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[Decisions of the Court of Appeals of the District of Columbia are indicated by one star (*) and of the Supreme Court of the United States by two stars (**).]

ERRATA.

1,461,471, page 346, in heading, assignment, domicile of assignee, for "Worcester, Massachusetts" read *Gardner, Massachusetts.*

1,462,503, page 692, in heading, line 2, Serial No., for "546,996" read *546,896.*

Patents Nos. 1,460,361 to 1,461,017.

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Issue of July 3, 1923.

Trade-Marks	197—No.	169,749 to No.	169,945, inclusive.
T. M. Renewals	1		
Reissues	4—No.	15,640 to No.	15,643, inclusive.
Designs	32—No.	62,598 to No.	62,629, inclusive.
Patents	657—No.	1,460,361 to No.	1,461,017, inclusive.
Total	891		

Reference to Prior Application.

(Order No. 2,822.)

U. S. Patent Office, *Washington, June 9, 1923.*

Order No. 2,071 is hereby abrogated and order No. 2,010 reinstated and amended to read as follows:

(Order No. 2,010.)

When an application is filed which in the opinion of the Examiner is a division of, a continuation of, or a substitute for a previously filed application, but which contains no reference *in the specification* to such prior application, the Examiner will require applicant to insert the proper reference to the prior application in the specification. If, when the case is otherwise in condition for allowance, this requirement has not been complied with, nor shown to have been improperly made, the proper reference to the prior application will be made by an Examiner's amendment, and the application passed to issue forthwith.

THOMAS E. ROBERTSON,
Commissioner.

Disclaimer.

1,307,812. *John V. Errickson*, Scranton, Pa. Method of and Apparatus for Making Phonograph Records. Patent dated June 24, 1919. Disclaimer filed June 6, 1923, by the assignee *Columbia Graphophone Manufacturing Company.*

Hereby enters this disclaimer to the claims in said specification, which are in the following words, to wit:

"7. The process of heating and cooling a die for hot plastic material which consists in passing heating and cooling fluids alternately and in multiple paths through the die close to the surface along well defined lines of flow of relatively small cross-section at substantially uniform distances apart.

"8. The process of facilitating heating and cooling of a hot plastic material into disks which consists in supplying the heating and cooling fluids each concurrently through separate paths distributed at substantially uniform distances close to the surface of the material.

"9. The process of heating and cooling a flat die for handling hot plastic phonograph record material which consists in forming a plurality of circularly arranged channels close to each other and to the die surface for the passage of the fluids and supplying each of the fluids thereto concurrently.

"15. A phonograph die for pressing hot plastic material comprising a die body and channel disk interfitting therewith provided with a plurality of annular channels in one of the parts on their facing side and inlet and outlet fluid supply and discharge provision connecting with all of the channels.

"16. In a phonograph die, a die body and channel disk interfitting therewith one of the parts being annularly channeled concentrically and the other providing inlet and outlet passages both connecting therewith at different distances from the center.

"18. A disk die for pressing hot plastic material divided into two parts along a plane parallel to the face of the die, having circular spaced channels formed in the facing side of one of the parts, separate inlet and outlet fluid connections for said channels, and a fluid tight seal between the parts."

ADJUDICATED PATENTS.

(U. S. D. C. N. Y.) Leonard patent, 1,122,774, *Held* infringed. *H. Ward Leonard, Inc.* v. *Maxwell Motor Sales Co.*, 288 Fed. Rep., 62.

(U. S. D. C. N. Y.) Leonard patent, 1,157,011, *Held* infringed. *H. Ward Leonard, Inc.* v. *Maxwell Motor Sales Co.*, 288 Fed. Rep., 62.

(U. S. C. C. A. N. Y.) Schleit patent, 1,174,525, claims 1, 3, 5, for draft regulator for hot-water heaters, *Held* valid and infringed. *W. A. Schleit Mfg. Co.* v. *Syracuse Radiator Co.*, 288 Fed. Rep., 52.

(U. S. D. C. Conn.) Foedisch patent, 1,180,124, claim 1, for automobile windshield visor, *Held* valid and infringed. *Acme Motor Shield Corp.* v. *Roberts Mfg. Co.*, 288 Fed. Rep., 127.

(U. S. D. C. N. Y.) Preliminary injunction against infringement of 1,244,197, for slippers, denied. *Gustin* v. *Paristyle Footwear Mfg. Co.*, 288 Fed. Rep., 78.

(U. S. C. C. A. Mass.) Cramer and Hodge patent, 1,331,981, for humidity regulator for mills, *Held* not infringed. *Parks-Cramer Co.* v. *American Moistening Co.*, 288 Fed. Rep., 33.

Condition of Applications Under Examination at Close of Business June 22, 1923.

(Total number of applications awaiting action, excluding Trade-Mark Division, 74,644; Trade-Mark Division, 3,857; Oldest new case, Aug. 10, 1922; oldest amended, Aug. 3, 1922. The dates given are 1922 except where * indicates 1923.)

Room No.	Divisions, Examiners, and subjects of inventions.	Oldest new application and oldest action by applicant awaiting office action. New	Amended	No. of applications awaiting action.
314	1. LOEFFLER, F. A., Closure Operators; Fences; Gates; Harrows and Diggers; Plows; Planting; Scattering Unloaders; Trees, Plants, and Flowers.	Sept. 25	Sept. 23	1,238
128	2. HADEN, C. F. (Acting), Bee Culture; Dairy; Preserving; Presses; Tents, Canopies, Umbrellas, and Canes; Tobacco.	Aug. 11	Sept. 12	1,573
175	3. RICH, WM. J., Electric Heating and Rheostats; Electrochemistry; Heating; Metal Founding; Metallurgical Apparatus; Metallurgy; Metal Treatment; Plastic Metal Working.	Aug. 1	Aug. 12	1,809
234	4. MERRITT, A. D., Conveyers, Chutes, Skids, Guides, and Ways; Conveyers, Fluid Current; Conveyers, Power Driven, Excavating; Handling—Hand and Hoist-Line Implements; Material or Article Handling; Pushing and Pulling Implements; Railway Mail Delivery; Traversing Hoists.	Sept. 14	*Feb. 12	1,485
167	5. MACNAB, J. F., Bookmaking; Books, Strips, and Leaves; Harvesters; Jewelry; Manifolding; Music; Printed Matter; Tying Cords or Strands.	Aug. 12	Sept. 1	1,412
318	6. LEWERS, A. M., Bleaching and Dyeing; Chemicals; Chemistry—Carbon Compounds; Explosive, Pyrotechnic, and Match Compositions; Fertilizers; Liquid Coating Compositions; Medicines; Plastic Compositions; Substance Preparation	Sept. 9	*Feb. 2	1,817
312	7. JARBOE, C. G., Games and Toys; Optics; Photography	Sept. 2	Nov. 23	2,071
133	8. CLIFT, J. W., Beds; Chairs and Seats; Furniture; Kitchen and Table Articles; Store Furniture; Supports.	*Jan. 2	*Mar. 14	1,507
221	9. TRYON, F. M., Air and Gas Pumps; Hydraulic Motors; Injectors and Ejectors; Motors, Fluid; Motors, Fluid Current; Pumps.	Oct. 2	*May 8	815
235	10. MITCHELL, T. H., Land Vehicles; Land Vehicles, Animal Draft Appliances; Land Vehicles—Bodies and Tops; Land Vehicles—Dumping; Land Vehicles, Wheel Substitutes; Motor Vehicles.	Aug. 29	Sept. 28	1,499
154	11. ARMSTRONG, H. C., Boot and Shoe Making; Boots, Shoes, and Leggings; Button, Eyelet, and Rivet Setting; Harness; Hides, Skins, and Leather; Leather Manufactures; Nailing and Stapling; Whips and Whip Apparatus.	Dec. 18	Dec. 15	1,101
322	12. PIERCE, P. P., Machine Elements	Oct. 30	Dec 23	1,475
329	13. NIXON, G. A., Bolt, Nail, Nut, Rivet, and Screw Making; Chain, Staple, and Horseshoe Making; Driven, Headed, and Screw-Threaded Fastenings; Gear Cutting, Milling, and Planing; Metal Drawing; Metal Forging and Welding; Metal Rolling; Metal Working; Needle and Pin Making; Turning.	Aug. 30	*Mar. 12	1,237
323	14. BRUMBAUGH, N. J., Compound Tools; Cutting and Punching Sheets and Bars; Farriery; Metal Bending; Metal Tools and Implements, Making; Sheet-Metal Ware, Making; Tools; Wire Fabrics and Structure; Wire Working.	Aug. 22	*Apr. 17	1,194
308	15. REDROW, W. L., Glass; Laminated Fabric and Analogous Manufactures; Paper Making and Fiber Liberation; Plastic Block and Earthenware Apparatus; Plastics.	Sept. 12	Oct. 12	2,101
112	16. BACKUS, C. D., Radiant Energy; Telegraphy; Telephony	Aug. 21	Aug. 17	2,478
307	17. RAFTER, G. S., Coating, Label Pasting, and Paper Hanging; Nut and Bolt Locks; Ornamentation; Paper Manufactures; Printing; Type Casting; Sheet-Material Associating or Folding; Sheet or Web Feeding or Delivering; Type Setting.	Aug. 28	Nov. 22	1,515
229	18. PORTER, M. E., Liquid Heaters and Vaporizers; Motors, Expansible-Chamber Type; Power Plants; Speed-Responsive Devices.	July 25	July 25	2,158
236	19. GLASCOCK, E. S., Automatic Temperature and Humidity Regulation; Furnaces; Heating Systems; Stoves and Furnaces; Thermostats and Humidostats.	Oct. 2	*Mar. 1	774
179	20. WRIGHT, H., Artificial Body Members; Miscellaneous Hardware; Closure Fasteners; Cutlery; Dentistry; Locks and Latches; Safes; Undertaking.	Oct. 30	Nov. 20	2,054
212	21. THURBER, W. L., Textiles; Textiles, Braiding, Netting, or Lace Making; Textiles, Cloth Finishing; Textiles, Fiber Preparation; Textiles, Knitting; Textiles, Spinning; Textiles, Twisting or Twining; Textiles, Weaving; Winding and Reeling.	Aug. 21	*Jan. 16	1,025
249	22. COLWELL, J. H., Aeronautics; Firearms; Ordnance; Ammunition and Explosive Devices; Ammunition and Explosive-Charge Making; Air Guns, Catapults, and Targets; Boats and Buoys; Ships; Marine Propulsion.	Oct. 4	Dec. 19	626
217	23. GROESBECK, W. D., Acoustics; Coin Handling; Recorders; Registers; Sound Recording and Reproducing.	Sept. 7	Aug. 3	879
144	24. DURAS, C. O., Apparel; Apparel Apparatus; Garment Supporters; Sewing Machines	Aug. 19	Nov. 21	1,453
315	25. LIGHTFOOT, J. H., Agitating; Butchering; Centrifugal-Bowl Separators; Mills; Threshing; Vegetable Cutters and Crushers; Gas Separation.	*Jan. 26	*Jan. 15	496
105	26. HODGES, J. S., Electricity, Generation; Motive Power; Prime-Mover Dynamo Plants	Aug. 14	Sept. 19	944
214	27. ANDERSON, L. S., Abrading; Brush, Broom, and Mop Making; Brushing, Scrubbing, and General Cleaning; Laundry; Washing Apparatus.	Aug. 22	Sept. 1	2,128
225	28. RENSON, A. R., Internal-Combustion Engines	Sept. 23	Nov. 10	1,499
147	29. MORRIS, B. N., Boring and Drilling; Button Making; Chucks or Sockets; Coopering; Tool-Handle Fastenings; Wheelwright Machines; Wood Sawing; Wood Turning; Woodworking; Woodworking Tools.	Sept. 16	Dec. 18	719
152	30. SULLIVAN, M. R., Illuminating Burners; Illumination; Liquid and Gaseous Fuel Burners; Typewriting Machines.	Sept. 1	*Jan. 2	2,045
172	31. HOLMES, W. N., Alcohol; Ammonia, Water, and Wood Distillation; Charcoal and Coke; Gas, Heating and Illuminating; Hydraulic Cement and Lime; Mineral Oils; Oils, Fats, and Glue; Sugar and Salt.	Sept. 1	Aug. 23	1,721
278	32. BANCROFT, J. F., Gas and Liquid Contact Apparatus; Heat Exchange	Sept. 2	Oct. 2	1,360
70	33. WYMAN, W. I., Bridges; Hydraulic and Earth Engineering; Masonry and Concrete Structures; Metallic Building Structures; Roads and Pavements; Roofs; Rod Joints or Couplings; Pipe Joints or Couplings; Valved Pipe Joints or Couplings.	Oct. 7	Oct. 13	1,630
304	34. SIMPSON, G. R., Electricity-Transmission to Vehicles; Pneumatic Dispatch; Railways; Railway Rolling Stock; Railway Switches and Signals; Railways, Surface Track; Railway Wheels and Axles; Store Service; Track Sanders; Vehicle Fenders.	Dec. 4	*Jan. 20	824
52	35. REYNOLDS, E. C., Buckles, Buttons, Clasps, Etc.; Card, Picture, and Sign Exhibiting; Signals and Indicators; Toilet.	*Jan. 25	*Mar. 15	1,124
204	36. MORTON, G. L., Automatic Weighers; Driers; Geometrical Instruments; Measuring Instruments; Force Measuring.	Dec. 18	Nov. 14	1,968
107	37. TAYLOR, E. C., Electricity, Circuit Makers and Breakers	Sept. 5	Aug. 23	1,945
378	38. IDE, G. R., Animal Husbandry; Earth Boring; Fishing, Trapping, and Vermin Destroying; Mining, Quarrying, and Ice Harvesting; Stationery; Stoneworking; Wells.	Aug. 28	Aug. 17	1,907
220	39. COWLES, A. W., Fluid-Pressure Regulators; Multiple Valves; Valves; Water Distribution	Aug. 10	Aug. 11	1,464
269	40. OBERLIN, J. J., Baggage; Bottles and Jars; Cloth, Leather, and Rubber Receptacles; Deposit and Collection Receptacles; Metallic Receptacles; Package and Article Carriers; Paper Receptacles; Special Receptacles and Packages; Woolen Receptacles.	Aug. 30	*Jan. 27	2,049
125	41. BROWN, J. L., Land Vehicles, Wheels and Axles; Resilient Tires and Wheels	Dec. 7	Oct. 24	951
114	42. CUTTING, H. O., Electrical Conduits and Housings; Electric Signaling; Electric Lamps	Oct. 5	Oct. 5	1,683
382	43. HOPKINS, F. M., Baths and Closets; Electricity, Medical and Surgical; Fire Extinguishers; Sewerage; Surgery; Liquid Separation or Purification.	Oct. 2	Sept 26	1,927
253	44. SHAFFER, C. H., Bread, Pastry, and Confection Making; Dispensing; Dispensing Beverages; Filling and Closing Portable Receptacles; Railway Draft Appliances; Refrigeration.	Aug. 18	*Jan. 17	1,234
379	45. GILES, A. H., Journal Boxes, Pulleys, and Shafting; Lubrication; Motors; Spring Devices	Aug. 10	Oct. 11	1,567
332	46. WOLCOTT, C. L., Curtains, Shades, and Screens; Educational Appliances; Fire Escapes; Ladders; Fluid Sprinkling, Spraying, and Diffusing; Paper Files and Binders; Wooden Buildings; Scaffolds.	Oct. 17	Oct. 31	1,422
264	47. BARKER, H., Brakes; Clutches and Power Stop Control; Elevators; Fluid-Pressure Brake and Analogous Systems; Horology; Time Controlling Mechanism.	Sept. 21	Jan. 8	1,241
118	48. ROEPKE, O. B., Electricity Conductors; Electricity, General Applications	Aug. 8	Aug. 9	2,358
383	49. EDINBURG, F. P., Check-Controlled Apparatus; Domestic Cooking Vessels; Fuel and Igniting Devices; Joint Packings; Packed Shaft or Rod Joints; Pneumatics; Velocipedes.	Oct. 11	Aug. 18	665
102	DESIGNS: C. O. MARKHAM (Acting)	Sept. 13	*Jan. 8	2,687
163	TRADE-MARKS, LABELS AND PRINTS: T. L. MEAD, JR. {Trade-Marks	*Feb. 10	*Mar. 28	3,804
	{Labels and Prints	*June 16	June 19	53

DECISIONS IN PATENT AND TRADE-MARK CASES.

Court of Appeals of the District of Columbia.

IN RE CURTIS.

No. 1,490. Decided January 2, 1923.

PATENTABILITY—CHANGE OF MATERIAL.

Where a speed governor controlled by the flow of a fluid or pulverulent material through an aperture is old and it is known that, other things being equal, the size of the device would depend on the specific gravity of the fluid or other material, the use of mercury in such a device is not patentable where the only advantage claimed is that, due to the high specific gravity of mercury, a smaller governor may be used, since this is obvious from the common knowledge that mercury has a high specific gravity and from its common use in horology.

Mr. Paul Carpenter and *Mr. H. H. Benjamin* for Curtis.

Mr. T. A. Hostetler for the Commissioner of Patents.

Before SMYTH, Chief Justice, and ROBB and VAN ORSDEL, Associate Justices.

ROBB, *J.*:

Appeal from a decision of the Patent Office rejecting five of the fourteen claims of appellant's application, those claims being the first four and the last. Claims 1 and 14 are here reproduced, as follows:

1. A chronometric regulating device, comprising in combination a source of power, a tubular member rotated thereby, and mercury within said member filling said member less than half its volume adapted to move under the action of gravity relatively to said member and in a direction opposite to the direction of rotation of said member, whereby the rotation of said member is checked with a force increasing with its speed of rotation, and substantially constant speed of rotation is obtained.

14. In an apparatus for regulating chronometrically the treatment of substances, a member adapted to hold the material to be treated, means for moving said member in one direction, a latch for holding said member after such movement a spring for moving said member in the opposite direction, and chronometric means for releasing said member from said latch after a predetermined period of time, said first-mentioned means being adapted to start said chronometric means simultaneously with the movement of said member.

In simple terms, this is a device for boiling eggs a predetermined length of time, with means for then lifting them from the water. The Examiner rejected the fourteen claims of the application, but on appeal the Examiners in Chief, after carefully considering the references, allowed nine of the claims. The Assistant Commissioner again reviewed the references and affirmed the decision of the Board.

An examination of the record fails to disclose error in the decision appealed from, and, since we can add nothing to the reasoning of the tribunals of the Patent Office, we affirm the decision without more.

Affirmed.

The decision of Assistant Commissioner MANN, rendered in this case December 18, 1920, reads as follows:

This is an appeal from the decision of the Examiners in Chief sustaining the Examiner in rejecting claims 1 to 5, inclusive, 10, and 14, of which 1 and 14 will serve as examples:

1. A chronometric regulating device comprising in combination, a source of power, a tubular member rotated thereby, and mercury within said member filling said member less than half its volume adapted to move under the action of gravity relatively to said member and in a direction opposite to the direction of rotation of said member, whereby the rotation of said member is checked with a force increasing with its speed of rotation, and substantially constant speed of rotation is obtained.

14. In an apparatus for regulating chronometrically the treatment of substances, a member adapted to hold the material to be treated, means for moving said member in one direction, a latch for holding said member after such movement a spring for moving said member in the opposite direction, and chronometric means for releasing said member from said latch after a predetermined period of time, said first mentioned means being adapted to start said chronometric means simultaneously with the movement of said member.

The references cited are: Smith, 192,946, July 10, 1877; Dittmar et al., 268,641, Dec. 5, 1882; Terlinden et al., 463,010, Nov. 10, 1891; Lamb, 1,096,250, May 12, 1914.

The subject matter involved in this appeal is a device for automatically regulating the length of time during which an object or substance is subjected to treatment—for example, as exposure to heat or a chemical reagent—the object being to provide an apparatus by which a substance to be treated may be immersed in the reagent and after the lapse of an appointed time be withdrawn without any further attention on the part of the operator.

The regulator includes a wheel mounted to turn about a horizontal axis and having a tubular periphery divided by partitions into a number of compartments connected only by ports or passages in the partitions and filled to less than half capacity with a suitable fluid, such as mercury. The wheel is geared to a rack which is impelled in one direction by a spring and upon reaching a predetermined position trips a latch holding the container for the material under treatment and allows it to be raised by the action of a second spring. The size of the wheel and the quantity of mercury are such that the rack spring cannot rotate the wheel and mercury together, so that the speed of the wheel is limited by the flow of the mercury through the passages in the partitions. Consequently by regulating the proportions of the parts the time required to move the rack a specified distance can be determined and maintained.

The patent to Dittmar et al. shows a device for regulating the speed of motors, which is briefly described by the inventors as follows:

The invention consists in a closed drum divided into compartments by radial partitions provided with slots or apertures which establish a communication between the compartments. The drum is partly filled with a liquid, or sand, or other granulated or pulverized material, which is raised when the drum is rotated, thereby checking the speed; but the said liquid or other matter flows back through the apertures, and this prevents the speed from being checked too much. By varying the size of the drum and the size of the slots or apertures, so that the liquid or other material can flow back more or less rapidly, the speed will be checked more or less. The device can be adjusted as desired.

If the said apertures are very small and the liquid can flow back but very slowly, the rotary movement of the

shaft will be checked much more than if the apertures b were larger and the liquid can flow back more rapidly. By varying the size of the drum and the size of the apertures the speed of a motor can be regulated at will.

Sand or other granulated or pulverized material can be used equally as well as liquids.

This appears to fully anticipate appellant's governor, for these patentees make it clear that by changing the size of the apertures or the size of the ring the retarding action can be made anything desired for the particular service, and it is clear that a fluid or pulverulent material having a certain specific gravity would require for the same retarding action a wheel of different size from that of a material having a higher or lower specific gravity, and also a material of a certain viscosity would require an aperture of different size from a material having a higher or lower viscosity.

It was argued at the hearing that appellant was entitled to broader claims than those presented on account of the discovery of the particular advantages flowing from the use of mercury in this device. The only advantage claimed is that, due to the high specific gravity of mercury, a smaller rotating device will give the desired retardation. This is believed to be obvious from the common knowledge that mercury has a high specific gravity and from its common use in horology.

However, no reference showing that others have recognized the particular utility in this same type of governor appears to be of record, and as documentary evidence is more convincing than mere opinions as to common knowledge and use attention is invited to the following patents: Alfred Wyss-Baumgartner, Swiss, 25,775, March 21, 1903; Peppe, British, 1,555, June 26, 1860.

Both of these patents show a similar governor in which mercury is the fluid to be used.

It may be well, also, to invite attention to the British patent to Morley, No. 1,325, July 22, 1782, as showing extremely early recognition of the advantages inherent to the use of mercury in similar devices.

The patent to Dittmar et al., viewed in the light of this showing as to the known properties and advantages of mercury, appears to fully anticipate claims 1 to 5 and 10.

Claim 14 relies on the difference in having a catch for holding the pan in the water secured to the frame instead of being secured to one of the other parts, which is regarded as a mechanical expedient well within the range of an ordinary person, and therefore not sufficient to support allowance.

The action of the Examiners in Chief is affirmed.

Court of Appeals of the District of Columbia.

WORDEN AND HOLZER, COPARTNERS TRADING AND DOING BUSINESS UNDER THE NAME AND STYLE OF UNITED BARBER SERVICE CO., *v.* CANNALIATO.

No. 1,519. Decided January 2, 1923.

1. TRADE-MARKS—X-RAY—HANDWRITTEN LABEL.
The use of a handwritten label is sufficient. It is not necessary to have it printed.

2. SAME—INTERSTATE USE.
Where a purchaser came to Baltimore, there received delivery of the goods from C., and then shipped them to himself in Richmond, *Held* that this was not a shipment by C. and has no tendency to establish interstate use of the mark.

3. SAME—SAME.
A single instance of use, with accompanying circumstances showing an intention to continue the use, satisfies the law. Where C. made a shipment from Baltimore to New York and was ready from that time on to supply any demand that might come to him for shipment between the States, this was enough to establish interstate use.

Mr. John E. Cross for Worden et al.

Mr. L. F. Randolph, Mr. J. F. Byrne, and *Mr. H. M. Sterling* for Cannaliato.

Before SMYTH, Chief Justice, and ROBB and VAN ORSDEL, Associate Justices.

SMYTH, *C. J.:*

Cannaliato had registered for him in the Patent Office a trade-mark for hair tonic, a predominant and essential feature of which was the name "X-Ray." He claimed to have used the mark on his goods continuously from May, 1913. Appellants claiming to have adopted the same mark for a like product in 1915, petitioned the Commissioner to cancel appellee's mark, on the ground that he was not entitled to it and that the registration of it caused them damage. Both tribunals of the Patent Office found against them and dismissed the application. They appeal, asserting (1) that they had adopted and used the mark before the appellee did, and (2) that he never made a sufficient use of it in interstate commerce to entitle him to have it registered.

Cannaliato established that he commenced the preparation of his hair tonic in 1912; that, at the instance of a person connected with a barber-supply company, for which Holzer, one of the appellants, was then working, he adopted the name "X-Ray" as a mark for his tonic; that at first he used handwritten labels, which were written by a friend, who corroborates him; that he kept the tonic for sale in his barber shop, and distributed it from there to those whom he could induce to purchase it; that he sold many bottles of it with the trade-mark attached during the year 1914, and continued to sell it wherever he could up to the time when he made application to have the mark registered; that a barber doing business in Richmond, Va., purchased a half gallon of the tonic from him in Baltimore and shipped it to his place of business in Richmond, that the container bore Cannaliato's trade-mark; that in the same year he sold two gallons of the tonic under the same label and shipped it to a person in New York, and that he used the mark uninterruptedly on his product up to the time the mark was registered. There is testimony which tends very strongly to show that Holzer had knowledge of the appellee's use of the mark long before it was adopted by Holzer and his partner. We are satisfied that the appellee has clearly established that he was the first to use the mark.

[1] The use of the handwritten label was sufficient. It was not necessary to have it printed. (*Regis* v. *Jaynes & Co.*, 185 Mass., 458.) The statute does not require it.

[2, 3] This brings us to consider whether or not Cannaliato's use of the mark in interstate commerce was sufficient to satisfy the statute. We do not think the shipment to Richmond helps him in that regard. It appears that the purchaser came to Baltimore, there received delivery of the goods, and then shipped them to himself in Richmond. This was not a shipment by Cannaliato, and we put it aside as having no tendency to establish interstate use of the mark. The shipment to New York, however, is in a different category. It was made by Cannaliato in 1914, and establishes the use of the mark in interstate commerce before the appellants came into the field. He was ready from that time on to supply any demand that might come to him for shipment between the States. We think this was enough to establish interstate use. No particular period of use is necessary. A single instance of use, with accompanying circumstances showing an intention to continue the use, satisfies the law. (*Kohler Manufacturing Co.* v. *Beshore*, 59 Fed., 572; 67 O. G., 678; *Kathreiner's Malzkaffee Fabriken, Etc.* v. *Pastor Kneipp Medicine Co.*, 82 Fed., 321; *Ritz Cycle Car Co.* v. *Driggs-Seabury Ordnance Corp.*, 237 Fed., 125; *Wallace & Co.* v. *Repetti, Inc.*, 266 Fed., 307.) Cannaliato's intention to continue the use of the mark is manifest.

Appellants bring to our attention a number of authorities, among which are *Menendez* v. *Holt* (128 U. S., 514; 46 O. G., 971), *Kohler Manufacturing Co.* v. *Beshore* (53 Fed., 262; 67 O. G., 678), *Richter* v. *Reynolds* (59 Fed., 577; 67 O. G., 404), and *Phillips* v. *Hudnut* (263 Fed., 643; 273 O. G., 629), to support their contention that the interstate use shown was not sufficient. Special stress is laid upon the Phillips case. The facts there, however, were entirely different from what they are here. Phillips had no established place of business, placed his mark upon some sample boxes of toilet powder, the article for which he claimed a trade-mark, forwarded them to three dealers without any request to do so, and charged for each box five cents, the usual price being fifty cents a box. No other use of the mark was made by him. It was held that the sales, if they could be called such, made by Phillips were not made in good faith, and did not constitute such a use of the mark as was required by the statute. The circumstances did not indicate an intention to continue the use. This was fatal. Nothing in the other cases helps the appellants. True, as Hopkins on Trade-Marks (3 Ed., p. 72) says—

the use of the mark by one claimant may be so transitory, spasmodic and inconsiderable as not to vest title in the user as against one whose use has been long continued and universally recognized.

The use by Cannaliato was not spasmodic or inconsiderable. (See also Paul on Trade-Marks, sec. 91, p. 151.)

We are satisfied that Cannaliato's mark was properly registered, and therefore that the decision of the Commissioner should be, and it is, affirmed.

Affirmed.

PATENT SUITS.

[Notices under section 4921, Revised Statutes, as amended February 18, 1922.]

843,926, P. Brasher, Protecting objects from wave action, suit filed Apr. 16, 1923, U. S. D. C., N. D. Calif., Doc. 16879, *Brasher Breakwater Co.* v. *Standard Oil Co. of Calif.*

874,986, C. A. Parsons, Vacuum-producing apparatus, suits filed May 1, 1923, U. S. D. C., W. D. N. Y., Doc. C-447, *Wheeler Condenser & Engineering Co.* v. *Ross Heater & Mfg. Co., Inc.* Same, S. D. N. Y., Doc. E 26/293, *Wheeler Condenser & Engineering Co.* v. *Croll-Reynolds Co., Inc.*

958,478. W. E. Davey, Process of reenforcing trees, suit filed May 21, 1922, U. S. D. C., S. D. N. Y., Doc. —, *The Davey Tree Expert Co.* v. *D. Kerrigan.* Decree that bill be taken pro confesso as to defendant. Same, suit filed Mar. 12, 1923, U. S. D. C., N. D. Ga., Doc. 232, *The Davey Tree Expert Co.* v. *R. Salisbury.* Decree pro confesso enjoining defendant.

1,004,505, A. V. L. Verneuil, Synthetic sapphire, decree sustaining patent, adjudging infringement, and granting injunction, U. S. D. C., S. D. N. Y., *L. Heller & Sons, Inc.* v. *Standard Calibre Co., Inc.*

1,009,502, B. Goldman, Skylight, discontinued May 1, 1923, U. S. D. C., W. D. N. Y., *Superior Sky-light Co., Inc.* v. *University of Rochester and Others.*

1,027,929, C. W. Stryker, Muffler cut-out; 1,102,432, C. S. Pelton, Combined foot rests and heaters; 1,437,910, same, Control valve for motor-car heaters, suit filed Apr. 17, 1923, U. S. D. C., N. D. Ill., Doc. 3465, *The Perfection Heater & Mfg. Co. and Others* v. *Bovey Automobile Heater Co.*

1,102,432. (See 1,027,929.)

1,113,304, C. T. Brown, Self-retrieving safety buoys for ships, suit filed Apr. 2, 1923, U. S. D. C., N. D. Ill., Doc. 3420, *C. T. Brown* v. *M. Nanni (alias M. Mani).*

1,126,379, A. A. Brown, Trousers, suit filed Jan. 22, 1923, U. S. D. C., S. D. N. Y., Doc. E 26/37, *Brown Method Co., Inc.* v. *J. Eisner & Co., Inc., and Others.* Order denying defendants motion to dismiss bill of complaint.

1,157,258. (See 1,318,116.)

1,201,270, L. de Forest, Oscillating-current generator; 1,377,405, same, Audion circuit, suit filed Mar. 23, 1923, U. S. D. C., S. D. N. Y., Doc. E 26/204, *De Forest Radio Telephone & Telegraph Co.* v. *Safety Fuse Handle Co.*

1,309,724. (See 1,405,773.)

1,318,116, O. A. Smith, Multiple-spindle lather; 1,157,258, Smith and Rindfleisch, Machines for

castellating nuts, suit filed Apr. 24, 1923, U. S. D. C., N. D. Ill., Doc. 3483, *The National Acme Co.* v. *The Hill Pump Valve Co.*

1,342,058, W. Miller, Door handles for automobiles, suit filed May 1, 1923, U. S. D. C., D. Conn., Doc. E 1657, *Hills & Biddle (Amesbury Brass & Foundry Co.)* v. *Rostand Mfg. Co.*

1,377,405. (See 1,201,270.)

1,398,372, R. F. Gowen, Coil mounting, judgment in favor of plaintiff, U. S. D. C., W. D. N. Y., *De Forest Radio Telephone & Telegraph Co.* v. *C. A. Branston Co.*

1,404,539, C. K. Nelson, Confection; T. M. 155,844, R. Stover Co., same, suit filed Apr. 12, 1923, U. S. D. C., N. D. Ill., Doc. 3460, *Eskimo Pie Corp.* v. *Supreme Ice Cream Co.*

1,405,773, 1,309,724, Re. 15,502, 1,438,229, W. M. Folberth, Windshield-cleaning apparatus, suit filed Apr. 9, 1923, U. S. D. C., N. D. Ill., Doc. 3426, *The Folberth Auto Specialty Co.* v. *Apex Electric Mfg. Co.*

1,406,498, G. A. Rymer, Processes for enameling wood or metal surfaces, suit filed Mar. 7, 1923, U. S. D. C., N. D. Calif., Doc. 16852, *Liberty Auto Co. and Others* v. *Gillig Bros.*

1,412,966, W. H. Richman, Containers, suit filed Apr. 25, 1923, U. S. D. C., N D. Ill., Doc. 3484, *J. Wood Mfg. Co. and Others* v. *Solar-Sturges Mfg. Co. and Others.*

1,418,203, T. E. Pennock, Bottle-filling machines, suit filed Apr. 30, 1923, U. S. D. C., S. D. N. Y., Doc. E 26/291, *Standard Automatic Machine Co.* v. *The Kerl Kiefer Machine Co.*

1,436,365, N. J. Steinau, Advertising display signs, suit filed Apr. 16, 1923, U. S. D. C., N. D. Ill., Doc. 3464, *The Steinau Co. and Others* v. *The Common Sense Novelty Co.*

1,437,910. (See 1,027,929.)

1,438,229. (See 1,405,773.)

1,439,792, O. S. Burman, Laundry-tray faucets, suit filed Apr. 27, 1923, U. S. D. C., E. D. Mich. (S. D.), Doc. 542, *O. S. Burman* v. *Capitol Brass Works.*

Re. 13,436, F. G. Perkins, Glue and method of making the same, suit filed June 13, 1921, U. S. D. C., W. D. N. Y., Doc. B 351, *Perkins Glue Co.* v. *Crandall Panel Co., Inc., and Others.* Order dismissing complaint Apr. 11, 1923.

Re. 15,502. (See 1,405,773.)

T. M. 150,610, The Stearns & Foster Co., Cotton batting, suit filed Apr. 9, 1923, U. S. D. C., N. D. Ill., Doc. 3425, *The Stearns & Foster Co.* v. *The Fair, Inc.*

T. M. 155,844. (See 1,404,539.)

ADVERSE DECISIONS IN INTERFERENCE.

In interferences involving the indicated claims of the following patents final decisions have been rendered that the respective patentees were not the first inventors with respect to the claims listed:

Pat. 1,342,209, T. P. Giblin, Electrical coil, decided Mar. 14, 1923, claims 1, 3, and 4.

Pat. 1,376,539, Henne and Preo, Machine for affixing heels to shoes, decided May 22, 1923, claims 1, 2, 3, and 15.

Notice of Cancellation.

U. S. PATENT OFFICE, *Washington, June 8, 1923.*

Reed, Walsh & Lange, its assigns or legal representatives, take notice:

A cancellation proceeding having been instituted by this Office upon the application of Duffy-Mott Company, Inc., of No. 502 West Twenty-fifth Street, New York, N. Y., to effect the cancellation of trade-mark registration No. 28,448, registered June 23, 1896, to Reed, Walsh & Lange, of Nos. 65 and 67 South Water Street, Chicago, Ill., and the notice of such proceeding sent by registered mail to said Reed, Walsh & Lange at the said address having been returned by the post office undeliverable, notice is hereby given that unless said Reed, Walsh & Lange, its assigns or legal representatives, shall enter an appearance therein within thirty days from the first publication of this order the cancellation will be proceeded with as in case of default.

This notice will be published in the OFFICIAL GAZETTE for three consecutive weeks.

WM. A. KINNAN,
Acting Commissioner.

Interference Notices.

U. S. PATENT OFFICE, *Washington, June 15, 1923.*

Adolf Bromberg, his assigns or legal representatives, take notice:

An interference having been declared by this Office between the application for patent filed by Adolf Bromberg, 167 Wooster Street, New York, N. Y., and an application for patent filed by Elmer S. Rutter, 510 Palisade Avenue, Weehawken Heights, N. J., and a notice of such declaration sent to said Bromberg at the said address having been returned by the post office undeliverable, notice is hereby given that unless said Bromberg, his assigns or legal representatives, shall enter an appearance therein within thirty days from the first publication of this order the interference will be proceeded with as in case of default.

This notice will be published in the OFFICIAL GAZETTE for three consecutive weeks.

THOMAS E. ROBERTSON,
Commissioner.

U. S. PATENT OFFICE, *Washington, June 21, 1923.*

Richard L. Clements, his assigns or legal representatives, take notice:

An interference having been declared by this Office between the patent granted December 26, 1922, No. 1,440,057, to Richard L. Clements, care of J. E. Regan Machine Works, 76 Seventh Street, Long Island City, N. Y., and an application for patent filed by Melchior Armato, 1284 Clybourn Avenue, Chicago, Ill., and a notice of such declaraton sent by registered mail to said Clements at the address of record and reforwarded to 4 Ketcham Place, Elmhurst, N. Y., the address furnished by his attorney, having been returned by the post office undeliverable, notice is hereby given that unless said Clements, his assigns or legal representatives, shall enter an appearance therein within thirty days from the first publication of this order the interference will be proceeded with as in case of default.

This notice will be published in the OFFICIAL GAZETTE for three consecutive weeks.

KARL FENNING,
Acting Commissioner.

TRADE-MARKS

OFFICIAL GAZETTE, JULY 3, 1923.

[VOL. 312. No. 1.]

The following trade-marks are published in compliance with section 6 of the act of February 20, 1905, as amended March 2, 1907. Notice of opposition must be filed within thirty days of this publication.

Marks applied for "under the ten-year proviso" are registrable under the provision in clause (b) of section 5 of said act as amended February 18, 1911.

As provided by section 14 of said act, a fee of ten dollars must accompany each notice of opposition.

Ser. No. 101,984. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) FRANKLIN-CARO COMPANY, INC., Richmond, Va. Filed Mar. 8, 1917.

VELVET

Particular description of goods.—Chewing Gum.
Claims use since Mar. 1, 1917.

Ser. No. 143,977. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) BRITISH AMERICA NICKEL CORP'N LTD., Ottawa, Ontario, Canada. Filed Feb. 24, 1921.

BANCO

Particular description of goods.—Nickel Sulphate.
Claims use since Jan. 1, 1920.

Ser. No. 143,978. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) BRITISH AMERICA NICKEL CORP'N LTD., Ottawa, Ontario, Canada. Filed Feb. 24, 1921.

BANCO

Particular description of goods.—Nickel Ammonium Sulphate.
Claims use since Jan. 1, 1920.

Ser. No. 149,621. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) AMERICAN CUTLERY COMPANY, Chicago, Ill. Filed June 25, 1921.

EVERBRITE

Particular description of goods.—Table Knives of Base Metal and Particularly of Incorrodible Iron Alloys.
Claims use since on or about Nov. 11, 1916.

Ser. No. 153,477. (CLASS 39. CLOTHING.) LEVI STRAUSS & CO., San Francisco, Calif. Filed Sept. 28, 1921.



In the accompanying drawing the colors indicated by that portion lined for color are as follows: Horizontal lines indicate blue; vertical lines indicate red.
Particular description of goods.—Men's, Youths', and Boys' Dress, Negligee, and Work Shirts.
Claims use since Aug. 31, 1921.

Ser. No. 154,654. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) N. KJAERGAARD JENSENS TEKN. KEM. FABRIK, Copenhagen, Denmark. Filed Oct. 27, 1921.

NKJ

Particular description of goods.—Rennet, Junket Tablets, and Lactic Ferment.
Claims use since June 21, 1920.

Ser. No. 154,810. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) NEW ENGLAND CONFECTIONERY COMPANY, Boston, Mass. Filed Oct. 31, 1921.

SCORCHER

Trade-mark consists of the word "Scorcher."
Particular description of goods.—Candy.
Claims use since 1890.

Ser. No. 155,253. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) RICHARD H. COBB, doing business as The Yeast-O-Mint Co., Cleveland, Ohio. Filed Nov. 10, 1921.

YEAST-O-MINT

Particular description of goods.—Chewing Gum.
Claims use since Sept. 28, 1921.

Ser. No. 155,737. (CLASS 13. HARDWARE AND PLUMBING AND STEAM-FITTING SUPPLIES.) CAMPFIRE MANUFACTURING COMPANY, St. Louis, Mo. Filed Nov. 22, 1921.

Campfire Grub Stake

Particular description of goods.—Devices for Supporting Cooking Utensils and Other Articles over an Open Fire.
Claims use since Aug. 1, 1921.

Ser. No. 157,431. (CLASS 39. CLOTHING.) KNITWEAR MANUFACTURING CO., INC., Brooklyn, N. Y. Filed Jan. 3, 1922.

FAREISLE

Particular description of goods.—Clothing—Namely, Knitted Sweaters and Knitted Dress Skirts.
Claims use since Sept. 1, 1921.

Ser. No. 157,491. (CLASS 32. FURNITURE AND UPHOLSTERY.) L. LOWENSTEIN & SON, doing business as National Feather & Pillow Company, Nashville, Tenn. Filed Jan. 4, 1922.

PRIDE OF SOUTH

Particular description of goods.—Pillows Containing Feathers.
Claims use since about 1907.

Ser. No. 157,701. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) THE UNITED FIG & DATE CO., Chicago, Ill. Filed Jan. 9, 1922.



No claim of exclusive rights is made as to the words "Nuts Every Kind from Everywhere" except in connection with the other features of the mark.
Particular description of goods.—Nuts and Nut Products—Namely, Nuts in the Shell, Shelled Nuts, Salted Nuts, Chopped Nuts, Nut Candy, Peanut Butter, and Mixtures of Nuts and Raisins.
Claims use since June 14, 1921.

Ser. No. 158,677. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) HUDSON MOTOR SPECIALTIES COMPANY, Philadelphia and Frankford, Pa. Filed Jan. 31, 1922.

SLIP-OUT

Particular description of goods.—Transmission or Crank Casing Parts.
Claims use since early fall of 1919.

Ser. No. 158,689. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) EDWARD V. STOCKHAM, INC., Havre de Grace, Md. Filed Jan. 31, 1922.



Particular description of goods.—Pork and Beans and Canned Concentrated Strained Tomatoes.
Claims use since March, 1915, on tomato paste; since July, 1920, on pork and beans.

Ser. No. 158,728. (CLASS 38. PRINTS AND PUBLICATIONS.) PHILADELPHIA QUARTZ COMPANY, Philadelphia, Pa. Filed Feb. 1, 1922.

QUARTZ-QUALITY
Silicate *Service*
Philadelphia Quartz Company . . - Philadelphia, Pa.
Manufacturers of Silicate of Soda in Its Various Forms

Without waiving any rights at common law, no claim is made to the exclusive use of the words "Silicate," "Service," "Philadelphia Quartz Company, Philadelphia, Pa.," and "Manufacturers of Silicate of Soda in Its Various Forms" apart from the mark shown in the drawing.
Particular description of goods.—Publications and Printed Literature, Comprising a Printed Paper Published from Time to Time and Containing Information About Silicate of Soda for Circulation Among Different Classes of Persons Interested in Its Use.
Claims use since on or about Apr. 25, 1921.

Ser. No. 159,521. (CLASS 4. ABRASIVE, DETERGENT, AND POLISHING MATERIALS.) JOHN METKE, doing business as Queen City Specialty Company, Buffalo, N. Y. Filed Feb. 18, 1922.

MAGIC

Particular description of goods.—Waterproof Dressing for Leather, Substitute Leather, Cloth, and the Like Used for Automobile Tops.
Claims use since Aug. 7, 1921.

Ser. No. 160,240. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) MELVIN HENRY BEVERIDGE, doing business as Fever Nox Company, Bayles, Calif. Filed Mar. 6, 1922.

FEVER NOX

Particular description of goods.—Ointments, Influenza Medicine, Laxative Tablets, Rubbing Oil, and Inhaling Compounds. The Ointment is Used for Healing and Allaying Fever. The Rubbing Oil is Used for Easing Rheumatic Tendencies. The Flu Drops are Used for Colds. The Inhaling Compound is for Coughs and Colds. The Laxative Tablets are a General Laxative of Candy Design.
Claims use since Jan. 1, 1910.

Ser. No. 160,604. (CLASS 34. HEATING, LIGHTING, AND VENTILATING APPARATUS, NOT INCLUDING ELECTRICAL APPARATUS.) HAMMER-BRAY COMPANY, Oakland, Calif. Filed Mar. 13, 1922.

ARTCRAFT

Particular description of goods.—Cookstoves, Ranges, and Heating Stoves, Exclusive of Those Heated by Electricity, But Including Gas Ranges, Gas Heaters, Gas Plates, Combination Ranges for Solid and Gaseous Fuel, and Portable Baking Ovens.
Claims use since Jan. 1, 1919.

Ser. No. 161,366. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) THE ELI LILLY & COMPANY, Indianapolis, Ind. Filed Mar. 28, 1922.

EPSAL

Trade-mark "Epsal."
Particular description of goods.—Medicinal Preparation to be Used as a Laxative and Cathartic.
Claims use since early in 1905.

Ser. No. 161,522. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) BUFFALO SPECIALTY COMPANY, Buffalo, N. Y. Filed Mar. 31, 1922.

NEVER-KNOCK

Particular description of goods.—Chemical Compositions for Removing Carbon from Internal-Combustion Engines and the Like.
Claims use since July 1, 1919.

Ser. No. 161,959. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) LLEWELLYN A. BANKS, doing business as Citrus Growers Cash Association, Los Angeles, Calif. Filed Apr. 10, 1922.

GLEN ROSA



Particular description of goods.—Fresh Citrous Fruits—viz, Oranges; and Fresh Deciduous Fruits—Namely, Apples.
Claims use since Nov. 7, 1913.

Ser. No. 162,092. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) N. AUTH PROV. CO., Washington, D. C. Filed Apr. 11, 1922.

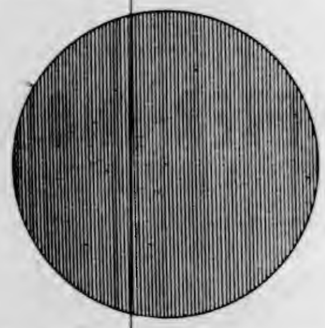


Mark consists of a red circle carrying the words "Ask for Auth's" shown in white letters.

Particular description of goods.—Bovine and Swinish and Mutton Meats, Hams, Sausages, Scrapple, Meat Loaf, Sausage Meat, Lard, Bacon, and Bovine and Swinish and Mutton Meat Products.

Claims use since February, 1902.

Ser. No. 162,093. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) N. AUTH PROV. CO., Washington, D. C. Filed Apr. 11, 1922.



Drawing consists of a red circle.

Particular description of goods.—Bovine and Swinish and Mutton Meats, Hams, Sausages, Scrapple, Meat Loaf, Sausage Meat; Lard, Bacon, and Bovine and Swinish and Mutton Meat Products.

Claims use since February, 1902.

Ser. No. 162,358. (CLASS 13. HARDWARE AND PLUMBING AND STEAM-FITTING SUPPLIES.) SHAPLEIGH HARDWARE COMPANY, St. Louis, Mo. Filed Apr. 15, 1922.



Particular description of goods.—Baby Baths, Coffee Boilers, Rice Boilers, Bowls, Washbasins, Chambers, Cabinets, Colanders, Cups and Saucers, Cuspidors, Dippers, Soap Dishes, Vegetable Dishes, Kettles, Ladles, Pans, Saucepans, Water Pitchers, Bowl and Pitcher Sets, Dinner Plates, Pie Plates, Soup Plates, Meat Platters, Teapots, Spittoons, Sink Strainers, and Soup Strainers.

Claims use since March, 1922.

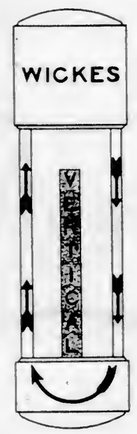
Ser. No. 162,532. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) CLINTON COPELAND CO., Burlington, Iowa. Filed Apr. 19, 1922.



Particular description of goods.—Chocolate Candies.

Claims use since Mar. 10, 1922.

Ser. No. 162,860. (CLASS 34. HEATING, LIGHTING, AND VENTILATING APPARATUS, NOT INCLUDING ELECTRICAL APPARATUS.) THE WICKES BOILER CO., Saginaw, Mich. Filed Apr. 24, 1922.



The word "Vertical" is disclaimed.

Particular description of goods.—Steel Boilers.

Claims use since Jan. 10, 1922.

Ser. No. 163,426. (CLASS 3. BAGGAGE, HORSE EQUIPMENTS, PORTFOLIOS, AND POCKETBOOKS.) M. WELLEN & SON, New York, N. Y. Filed May 5, 1922.



No claim being made to the exclusive use of the words "Built for Travel, Trunk" apart from the mark as shown on the drawing.

Particular description of goods.—Traveling Goods—viz, Trunks.

Claims use since April, 1915.

Ser. No. 163,595. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) THE QUEEN CITY EXTRACT COMPANY, Cincinnati, Ohio. Filed May 9, 1922.



Particular description of goods.—Grape Flavored Sirup for Food Purposes.

Claims use since Dec. 2, 1921.

Ser. No. 163,965. (CLASS 12. CONSTRUCTION MATERIALS.) THE BARBER ASPHALT PAVING COMPANY, Philadelphia, Pa. Filed May 17, 1922. Under ten-year proviso.



The vertical lines within the triangle of the drawing represent similar lines on the mark as used.

Particular description of goods.—Asphalt, Crude and Refined, and Paving Materials Containing Asphalt.

Claims use since Feb. 6, 1892.

Ser. No. 164,452. (CLASS 26. MEASURING AND SCIENTIFIC APPLIANCES.) PRATT & WHITNEY COMPANY, New York, N. Y. Filed May 24, 1922.



Particular description of goods.—Caliper Gauges, Such as Snap and Pin Gauges.

Claims use since May 13, 1922.

Ser. No. 164,498. (CLASS 19. VEHICLES, NOT INCLUDING ENGINES.) THE GOODYEAR TIRE & RUBBER COMPANY, Akron, Ohio. Filed May 25, 1922.



Exclusive right to the use of the words "Mfd. by Airships, Sphericals, Kites, Number, Type, Aeronautical Accessories, Akron, Ohio, U. S. A." and to the representation of a balloon is disclaimed except in the specific relation shown.

Particular description of goods.—Airships, Spherical Balloons, Kites, Aviation and Aeronautical Accessories—Namely, Cars, Bullet and Puncture Proof Casings for Gasoline Tanks on Balloons, Aeroplanes, Baskets, and Pontoons.

Claims use since Dec. 28, 1919.

Ser. No. 164,707. (CLASS 39. CLOTHING.) THE IRONALL FACTORIES CO., Cincinnati, Ohio. Filed May 31, 1922.



No claim is made to the exclusive use of the words "Genuine Fabric," which are disclaimed apart from the mark shown in the drawing.

Particular description of goods.—Overalls, Coats, Pants, Jumpers, Combination One-Piece Suits, and Pantaloons for Men, and Play Suits for Children.

Claims use since May, 1922.

Ser. No. 165,258. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) HARRY L. GOODWIN, doing business as The Coney-Cone Company, Kansas City, Mo., assignor to C. G. Rowan, Kansas City, Mo. Filed June 9, 1922.

Coney-Cone

No claim made to the word "Cone" except in connection with the drawing as shown.

Particular description of goods.—Ice-Cream Cones.

Claims use since Mar. 27, 1922.

Ser. No. 165,339. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) BAY SIDE CANNING COMPANY, Alviso, Calif. Filed June 12, 1922.

HANDY

Particular description of goods.—Tomato Hot Sauce; Canned Vegetables—viz, Tomatoes; Canned Fruits—viz, Peaches; and Canned Fish—viz, Sardines.

Claims use since Apr. 17, 1922.

Ser. No. 165,493. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) HUDSON MANUFACTURING COMPANY, Chicago, Ill. Filed June 14, 1922. Under ten-year proviso.

HUDSON'S

Particular description of goods.—Flavoring Extracts for Food.

Claims use since 1887.

Ser. No. 165,599. (CLASS 40. FANCY GOODS, FURNISHINGS, AND NOTIONS.) LEO F. PHILLIPS & CO., New York, N. Y. Filed June 16, 1922.

PHILTAN

Particular description of goods.—Beads and Bead Trimming.

Claims use since Mar. 1, 1922.

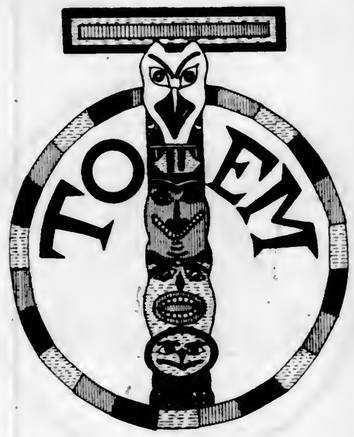
Ser. No. 165,668. (CLASS 19. VEHICLES, NOT INCLUDING ENGINES.) THE CHASE FOUNDRY AND MANUFACTURING COMPANY, Columbus, Ohio. Filed June 19, 1922.

THE CHASE

Particular description of goods.—Elevating and Conveying Trucks, Special Factory Trucks, Charging Trucks, Warehouse Trucks, Canners' and Packers' Trucks, Paper-Mill Trucks, Box Trucks, Charging Cars, Brick Cars, Stone-Quarry Cars, Contractors' Cars, Lumber Cars, Tramway Cars, Side and Bottom Dump Cars, and Factory Cars of All Kinds.

Claims use since 1902.

Ser. No. 165,697. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) FRANK E. MAYOL, Salt Lake City, Utah. Filed June 19, 1922.



Trade-mark consists of the word "Totem" written as disclosed, with the representation of a totem pole and a circle in black, yellow, red, and white colors.

Particular description of goods.—Ice Cream and Frozen Dainties.

Claims use since before May, 1920.

Ser. No. 165,760. (CLASS 12. CONSTRUCTION MATERIALS.) SECURITY CEMENT & LIME CO., Hagerstown, Md. Filed June 20, 1922.

SECURITY CEMENT AND LIME CO. BERKELEY BERKELEY W. VA.

No claim to the exclusive use of the words "Berkeley" and "Berkeley, W. Va." apart from the mark as shown in the drawing, but applicant waives none of its common-law rights in said mark or any element thereof.

Particular description of goods.—Ground Lime and Hydrated Lime.

Claims use since on or about June 1, 1910.

Ser. No. 166,020. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) W. C. STONE, Emmett, Idaho. Filed June 24, 1922.

SQUAW BUTTE ORCHARDS

Particular description of goods.—Fresh Prunes.

Claims use since Sept. 1, 1917.

Ser. No. 166,176. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) MAX ELB GESELLSCHAFT MIT BESCHRÄNKTER HAFTUNG, Dresden, Germany. Filed June 28, 1922.

Biox

Particular description of goods.—Perfumery; Toilet Preparations—That is to Say, Preparations for the Teeth, the Hair, the Finger Nails, and for the Complexion; Toilet Vinegar, Perfumed Soap, Toilet Water; Medicinal and Pharmaceutical Preparations for the Bath in Form of Powder, Salts, Extracts, Acids, Scented or Unscented.

Claims use since Feb. 26, 1909.

Ser. No. 166,457. (CLASS 4. ABRASIVE, DETERGENT, AND POLISHING MATERIALS.) LUCKEL, KING & CAKE SOAP COMPANY, Portland, Oreg. Filed July 3, 1922.

Royal White

Particular description of goods.—Laundry Soap.

Claims use since 1897.

Ser. No. 166,591. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) THE ADOLPH COORS COMPANY, Golden, Colo. Filed July 8, 1922.

RAISLITE

Particular description of goods.—Baker's Sirup Used in Making Bread and Similar Articles of Food Made from Malt and Corn.

Claims use since about May 1, 1922.

Ser. No. 166,657. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) DENNEY & CO., Yakima, Wash. Filed July 10, 1922.

SELAH

Particular description of goods.—Fresh Apples.

Claims use since Nov. 1, 1920.

Ser. No. 166,787. (CLASS 39. CLOTHING.) PRESIDENT SUSPENDER COMPANY, Shirley, Mass. Filed July 12, 1922.

President

Particular description of goods.—Garters.

Claims use since Feb. 17, 1922.

Ser. No. 166,825. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) FRANKLIN RAILWAY SUPPLY COMPANY, New York, N. Y. Filed July 13, 1922.

BOOSTER

Particular description of goods.—Auxiliary Engines for Locomotives.

Claims use since Feb. 5, 1919.

Ser. No. 167,411. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) OREGON GROWERS COOPERATIVE ASSOCIATION, Salem, Oreg. Filed July 26, 1922.

Richland

Particular description of goods.—Canned Fruits and Canned Vegetables.
Claims use since May 5, 1922.

Ser. No. 167,412. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) OREGON GROWERS COOPERATIVE ASSOCIATION, Salem, Oreg. Filed July 26, 1922.

Brookland

Particular description of goods.—Canned Fruits and Canned Vegetables.
Claims use since May 5, 1922.

Ser. No. 168,208. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) FRANCISCO COTERA, doing business as The Cotera Brothers, El Paso, Tex. Filed Aug. 14, 1922.



Particular description of goods.—Coffee.
Claims use since July, 1919.

Ser. No. 168,314. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) THE JOHNSON-LOCKE MERCANTILE CO., San Francisco, Calif. Filed Aug. 16, 1922.

FRANCISCAN

Particular description of goods.—Canned Fruits, Canned Vegetables, Dried Fruits, and Dried Vegetables.
Claims use since Nov. 23, 1911.

Ser. No. 168,387. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) SUNSET FRUIT CO., Lodi, Calif. Filed Aug. 17, 1922.

SUN-SET

Particular description of goods.—Fresh Grapes.
Claims use since May 17, 1922.

Ser. No. 168,481. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) A. B. MEWHINNEY CO., INC., Terre Haute, Ind. Filed Aug. 19, 1922.

SCRUMPTIOUS

Particular description of goods.—Candy.
Claims use since May, 1922.

Ser. No. 168,790. (CLASS 44. DENTAL, MEDICAL, AND SURGICAL APPLIANCES.) REID BROS., INC., San Francisco, Calif., and Seattle, Wash. Filed Aug. 28, 1922.

PORCELLO

Particular description of goods.—Metal and Wood Aseptic Furniture for Hospitals, Clinics, Health Centers, and Doctors' Offices—Namely, Operating, Examining, Treatment, Autopsy, Genito-Urinary, Dental, and Physicians' Cabinet Tables, Chairs, and Parts Therefor; Surgeons' Stools, Invalid Chairs, and Stretchers; Instrument and Supply Cases, Cabinets, Tables, Desks, and Stands; Dressing Cabinets, Stands, Carriages, and Tables; Steel Dressers, Nurses' Desks and Chart Files; File Cabinets for Storing Sterile Utensils, Dressings, Etc.; Blanket-Warmer Cabinets, Wardrobe Cabinets and Lockers; Bedside Cabinets, Stands, and Tables for Holding Bed Vessels, Medicines, Etc.; Food Trays for Holding Food on Patients' Beds, Observation Stands, Bottle Stands, Tray Racks, Sponge and Towel Racks, Bedpan and Urinal Racks, Bowl and Basin Stands, Immersion and Irrigator Stands, Commode Chairs, Patients' Steel Benches and Couches; Panel, Folding-Bed, and Ward Screens and Screen Brackets; Hospital Beds, Adjustable Mattress Bottoms, Traction Frames and Extension Attachments, Bed Trucks, Back Rests, Folding Bed Cradles, Bassinets, Infant Incubators, Food Tray and Dish Carriages, Food Conveyers and Trucks, Bedside Book Carts, Wheeled Crushed-Ice Conveyers, Operating Lights and Sterilizers.
Claims use since April, 1918.

Ser. No. 169,236. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) W. A. CALDWELL, Camino, Calif. Filed Sept. 9, 1922.

TOP O'THE WORLD

Particular description of goods.—Fresh Deciduous Fruits.
Claims use since July 29, 1922.

Ser. No. 169,279. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) C. C. BROWN CANDY CO., Los Angeles, Calif. Filed Sept. 11, 1922.

Rag Time

Particular description of goods.—Chocolate Candy.
Claims use since Nov. 11, 1908.

Ser. No. 169,929. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) SCHAFFNER BROTHERS COMPANY, Erie, Pa. Filed Sept. 25, 1922.

KEYSTONE

Trade-mark consists of the word "Keystone."
Particular description of goods.—Bacon, Ham, Breakfast Bacon Squares.
Claims use since Jan. 1, 1907.

Ser. No. 169,931. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) SCHAFFNER BROTHERS COMPANY, Erie, Pa. Filed Sept. 25, 1922.

SOVEREIGN

Trade-mark consists of the word "Sovereign."
Particular description of goods.—Sausage, Boiled Ham, Meat Loaf, Pressed Corn Beef, Jellied Tongue, and Cottage Butts.
Claims use since Sept. 1, 1921.

Ser. No. 169,984. (CLASS 26. MEASURING AND SCIENTIFIC APPLIANCES.) OPTISCHE ANSTALT C. P. GOERZ A. G., Berlin-Friedenau, Germany. Filed Sept. 27, 1922. Under ten-year proviso.

Goerz

Particular description of goods.—Photographic and Telescopic Objectives, Photographic Cameras, Enlarging Apparatus, Photographic Shutters; Stands for Photographic Cameras, Telescopes, Field Glasses, Prisms, Optical Lenses, Magnifying Glasses, Spectacle Glasses, Photographic Lenses, Telescopic Lenses, Projecting Lenses, Spirit Levels, Telescopes, Opera Glasses, Field Glasses, Telescopic Gun Sights and Bomb-Dropping Sights, Sights for Rifles and Cannon, Compasses, Eclimeters, Telemeters, Theodolites, Sextants, Surveying Instruments, Leveling Instruments, Spectroscopes, Barometers, Barographs, Altimeters, Speedometers, Optic Mirrors, Ordinary Aviators' and Other Goggles, Microscopes, Stereoscopes, Navigating Compasses, and Clinometers, Photometers, and View Finders.
Claims use since summer of 1888.

Ser. No. 170,148. (CLASS 12. CONSTRUCTION MATERIALS.) THE MASTER BUILDERS COMPANY, Cleveland, Ohio. Filed Sept. 30, 1922.

COLORMIX

Particular description of goods.—Preparations Intended to be Incorporated with or Applied to Mortar, Cement, Concrete, Artificial Stone, and the Like for the Purpose of Coloring, Tempering, Hardening, Densifying, Frostproofing, and Controlling the Setting.
Claims use since about Mar. 1, 1922.

Ser. No. 170,921. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) VALENTINO BALDACCI, doing business as Laboratorio Chimico Farmaceutico V. Baldacci, Pisa, Italy. Filed Oct. 18, 1922.

ABEKÔLO

Particular description of goods.—Pharmaceutical Preparations for the Treatment of Coughs, Whooping Cough, and Similar Diseases.
Claims use since July 29, 1921.

Ser. No. 171,029. (CLASS 39. CLOTHING.) NIAGARA SHOE COMPANY, INC., Buffalo, N. Y. Filed Oct. 21, 1922.



No claim made herein to the word "Longwear" apart from the mark illustrated.
Particular description of goods.—Shoes of Leather, Rubber, and Fabric.
Claims use since July 15, 1922.

Ser. No. 171,129. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) KING'S FOOD PRODUCTS CO., Portland, Oreg. Filed Oct. 24, 1922.

KING'S



Particular description of goods.—Canned and Dehydrated Fruits, Canned and Dehydrated Vegetables—Namely, Apricots, Prunes, and Spinach.
Claims use since June 1, 1922.

Ser. No. 171,205. (CLASS 39. CLOTHING.) CORSON SHOE MANUFACTURING COMPANY, LTD., Toronto, Ontario, Canada. Filed Oct. 26, 1922.

CORSON'S HIKERS THE SHOE WITH THE MILEAGE

Particular description of goods.—Boots and Shoes of Leather.
Claims use since July 1, 1922.

Ser. No. 171,312. (CLASS 50. MERCHANDISE NOT OTHERWISE CLASSIFIED.) GILLEN-COLE CO., Portland, Oreg. Filed Oct. 28, 1922.

"STOVE-WALL"

Particular description of goods.—Asbestos Mats.
Claims use since on or about Jan. 1, 1918.

Ser. No. 171,320. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) F. M. HOYT, doing business as F. M. Hoyt & Co., Amesbury, Mass. Filed Oct. 28, 1922.

PICKANINNY

Particular description of goods.—Salted Peanuts and Peanut Butter.
Claims use since March, 1912.

Ser. No. 171,422. (CLASS 39. CLOTHING.) KNOTHE BROTHERS CO., INC., New York, N. Y. Filed Oct. 31, 1922.

Bob-o-Link

Particular description of goods.—Pyjamas, Dress Shirts, Negligee Shirts, and Nightshirts and Men's Robes.
Claims use since Oct. 16, 1922.

Ser. No. 171,524. (CLASS 39. CLOTHING.) BLOOM SUBLYME SHOE CO., INC., New York and Brooklyn, N. Y. Filed Nov. 3, 1922.



No claim made to the representation of shoes and slippers illustrated in the drawing apart from the mark shown.
Particular description of goods.—Boots, Shoes, Slippers, and Sandals Made of Leather, Kid, Satin, Cloth, and Felt.
Claims use since August, 1904.

Ser. No. 171,586. (CLASS 12. CONSTRUCTION MATERIALS.) NILES ESPEASON, doing business as Mid-Continent Clay Company, Peru, Kans. Filed Nov. 4, 1922.

MIDCO

Particular description of goods.—Building Bricks and Roofing Tile.
Claims use since Apr. 10, 1922.

Ser. No. 171,623. (CLASS 22. GAMES, TOYS, AND SPORTING GOODS.) THE CRAWFORD, MCGREGOR & CANBY COMPANY, Dayton, Ohio. Filed Nov. 6, 1922.

Popular

Particular description of goods.—Golf Clubs.
Claims use since about 1909.

Ser. No. 171,910. (CLASS 39. CLOTHING.) EXCELSIOR UNDERWEAR CO. INC., New York, N. Y. Filed Nov. 13, 1922.

EMBASSY

Particular description of goods.—Athletic Underwear and Pyjamas of Knitted and Textile Fabrics for Men and Boys and Dress, Negligee, and Work Shirts for Men and Boys.
Claims use since Aug. 4, 1922.

Ser. No. 171,917. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) HOLLAND CANNING COMPANY, Holland, Mich. Filed Nov. 13, 1922.

Broadcast BRAND

The word "Brand" does not form a part of the registration sought apart from the mark shown in the drawing.
Particular description of goods.—Canned Fruits—Namely, Peaches, Raspberries, Cherries, and Apples; and Canned Vegetables—Namely, Green Beans and Wax Beans.
Claims use since Apr. 8, 1922.

Ser. No. 171,951. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) PLEASANT GROVE CANNING COMPANY, Pleasant Grove, Utah. Filed Nov. 13, 1922.

TIMPANOGOS

Particular description of goods.—Fresh Deciduous and Citrous Fruits, Fresh Vegetables; Canned Fruits—Namely, Apricots, Peaches, Pears, Strawberries, Raspberries, Cherries, and Apples; Fruit Jams; Canned Vegetables—Namely, Beans, Tomatoes, and Pumpkin; and Catchup.
Claims use since July 15, 1916.

Ser. No. 171,963. (CLASS 39. CLOTHING.) SHONINGER-HEINSHEIMER MANUFACTURING CO., Chicago, Ill. Filed Nov. 13, 1922.

Daintymaid

Particular description of goods.—Children's Cloaks and Capes.
Claims use since Feb. 1, 1919.

Ser. No. 171,964. (CLASS 39. CLOTHING.) SHONINGER-HEINSHEIMER MANUFACTURING CO., Chicago, Ill. Filed Nov. 13, 1922.

Youthmore

Particular description of goods.—Juniors' and Misses' Cloaks, Capes, and Suits.
Claims use since Feb. 1, 1919.

Ser. No. 172,001. (CLASS 39. CLOTHING.) A. & S. LEVY CO., New York, N. Y. Filed Nov. 14, 1922.



Bab

Particular description of goods.—Dresses, Women's Robes and Gowns, Suits, Coats, and Waists.
Claims use since Oct. 1, 1917.

Ser. No. 172,004. (CLASS 39. CLOTHING.) JACOB MILLER'S SONS CO., Philadelphia, Pa. Filed Nov. 14, 1922.

THE PLAYER

Particular description of goods.—Knitted and Textile Fabric Undergarments—Namely, Shirts, Drawers, and Combination Shirt and Drawers.
Claims use since May 27, 1922.

Ser. No. 172,834. (CLASS 2. RECEPTACLES.) CHARLES H. HAESELER, doing business as Alert Manufacturing Company, Philadelphia, Pa. Filed Dec. 2, 1922.

CUSS-LESS

Particular description of goods.—Condiment Containers Made of Metal, Glass, or Metal and Glass.
Claims use since about February, 1922.

Ser. No. 172,975. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) CHINOOK PACKING CO., Chinook, Wash. Filed Dec. 6, 1922.

Sno-kist

Particular description of goods.—Canned Salmon.
Claims use since Nov. 25, 1922.

Ser. No. 173,048. (CLASS 32. FURNITURE AND UPHOLSTERY.) ATLAS HAMMOCK CO., New York, N. Y. Filed Dec. 7, 1922.

ATLAS



Particular description of goods.—Couch Hammocks and Stands Therefor.
Claims use since about Nov. 1, 1922.

Ser. No. 173,061. (CLASS 39. CLOTHING.) WEINGARTEN BROS., New York, N. Y. Filed Dec. 7, 1922.

"Stylastic"

Particular description of goods.—Corsets.
Claims use since Nov. 15, 1922.

Ser. No. 173,261. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) WALKER BROS. Co., Boston, Mass., assignor to Za-Rex Food Products Inc., Boston, Mass., a Corporation of Massachusetts. Filed Dec. 12, 1922.

ZA-REX

The lining shown on the drawing does not represent color, but merely shading.
Particular description of goods.—Sirups and Extracts for Flavoring Food.
Claims use since Nov. 30, 1922.

Ser. No. 173,303. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) SEACOAST CANNING COMPANY, Eastport, Me. Filed Dec. 13, 1922.

NEPTUNE

Particular description of goods.—Canned Tunny Fish.
Claims use since Nov. 1, 1921.

Ser. No. 173,435. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) MILLER-CUMMINGS COMPANY, INC., New York, N. Y. Filed Dec. 16, 1922.



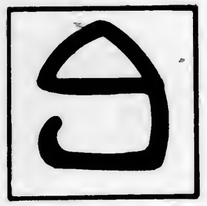
No claim is made to the word "Brand" apart from the mark shown in the drawing.
Particular description of goods.—Fresh Cantaloupes, Fresh Casaba Melons, Fresh Honey Dew Melons, Fresh Grapes, Fresh Lettuce, and Fresh Tomatoes.
Claims use since Jan. 1, 1898.

Ser. No. 173,436. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) MILLER-CUMMINGS COMPANY, INC., New York, N. Y. Filed Dec. 16, 1922.



No claim made to the word "Brand" apart from the mark shown in the drawing.
Particular description of goods.—Fresh Cantaloupes.
Claims use since Jan. 1, 1921.

Ser. No. 173,562. (CLASS 38. PRINTS AND PUBLICATIONS.) CALDWELL & COMPANY, Nashville, Tenn. Filed Dec. 19, 1922.



Particular description of goods.—Booklets and Bonds.
Claims use since Nov. 1, 1922.

Ser. No. 173,614. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) HARRY M. WAGNER, doing business as The H. M. Wagner Co., Inc., Baltimore, Md. Filed Dec. 20, 1922.



No claim made to the exclusive use of the word "Brand."
Particular description of goods.—Coffee.
Claims use since Sept. 25, 1922.

Ser. No. 173,813. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) MARION LEWIS CRAWFORD, Malvern, Ohio. Filed Dec. 26, 1922.

Marion Lewis Crawford.

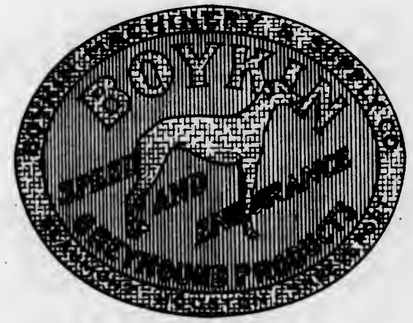
The signature shown in the accompanying drawing is the facsimile signature of the applicant.
Particular description of goods.—Screen Scratcher and Rubber for Use in Plants for Making Bricks and Tiles or Other Clay Products.
Claims use since Oct. 5, 1922.

Ser. No. 173,939. (CLASS 16. PAINTS AND PAINTERS' MATERIALS.) K. SMECKLER, doing business as French Mfg. Co., Los Angeles, Calif. Filed Dec. 28, 1922.

FCSM

Particular description of goods.—Automobile and Piano Polish.
Claims use since Nov. 1, 1911.

Ser. No. 174,062. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) BOYKIN MACHINERY & SUPPLY CO., Beaumont, Tex. Filed Jan. 2, 1923.



The drawing is lined to express the colors red and yellow, and no claim is made to the words, "Speed and Endurance," "Products," "Beaumont," "Houston," and "Shreveport" apart from the mark shown by the drawing.
Particular description of goods.—Oil-Well Machinery and Tools—Namely, Rotaries, Draw Work, Crown Blocks, Traveling Blocks, Tool Joints, Swivels, and Fittings.
Claims use since January, 1922.

Ser. No. 174,156. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) THE STAR FISH & OYSTER CO., Mobile, Ala. Filed Jan. 3, 1923.



The drawings are ruled to indicate the colors red and blue.
Particular description of goods.—Sea Food, Comprising Fresh and Dried Fish and Fresh Shell Fish, Including Crabs, Shrimp, and Oysters and Dried Shrimp.
Claims use since Jan. 1, 1902.

Ser. No. 174,221. (CLASS 39. CLOTHING.) SWEET-ORR & CO., INC., Wappingers Falls and New York, N. Y. Filed Jan. 5, 1923.

SPECIAL YELLOW TICKET

Particular description of goods.—Pants, Norfolk Jackets, Coats, and Vests.
Claims use since on or about May 1, 1897.

Ser. No. 174,265. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) SETHNESS COMPANY, Chicago, Ill. Filed Jan. 6, 1923.

Drinkmor

Particular description of goods.—Chocolate Malted Concentrate for the Making of a Food Drink.
Claims use since Dec. 11, 1922.

Ser. No. 174,370. (CLASS 4. ABRASIVE, DETERGENT, AND POLISHING MATERIALS.) TRIPLE S SERVICE CORPORATION, Denver, Colo. Filed Jan. 9, 1923.

Triple S

Particular description of goods.—Granular or Powdered Antiseptic Cleanser for the Toilet.
Claims use since on or about Dec. 9, 1922.

Ser. No. 174,379. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) ALLEN & LEWIS, Portland, Oreg. Filed Jan. 10, 1923.

BULLS EYE

Particular description of goods.—Canned Fruits, Canned Vegetables.
Claims use since August, 1922.

Ser. No. 174,405. (CLASS 45. BEVERAGES, NON-ALCOHOLIC.) MOUQUIN RT. & WINE CO. INC., New York, N. Y. Filed Jan. 10, 1923.

Vermouquin

Particular description of goods.—Nonalcoholic, Maltless Beverages Sold as a Soft Drink.
Claims use since Oct. 1, 1922.

Ser. No. 174,438. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) TH. GIOCALAS & V. COYIMZOGLU, New York, N. Y. Filed Jan. 11, 1923.

SHEIK

Particular description of goods.—Dates.
Claims use since Jan. 2, 1922.

Ser. No. 174,585. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) DANTE MICHELETTI, Lucca, Italy, and San Francisco, Calif. Filed Jan. 13, 1923.



Particular description of goods.—Olive Oil.
Claims use since September, 1919.

Ser. No. 174,615. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) A. W. FEESER, doing business as A. W. Feeser & Co., Westminster, Silver Run, and Taneytown, Md. Filed Jan. 15, 1923.

SILVER RUN

Particular description of goods.—Canned Vegetables.
Claims use since 1908.

Ser. No. 174,696. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) WILLIAM KLUG, Brooklyn, N. Y. Filed Jan. 17, 1923.

EASY CREAM

No claim is made to the word "Cream" apart from the mark shown in the drawing.
Particular description of goods.—Ice-Cream Preparation in Liquid Form.
Claims use since Oct. 15, 1921.

Ser. No. 174,851. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) OREGON GROWERS COOPERATIVE ASSOCIATION, Salem, Oreg. Filed Jan. 20, 1923.

WOODLAND

Particular description of goods.—Canned Fruits.
Claims use since July, 1922.

Ser. No. 174,908. (CLASS 13. HARDWARE AND PLUMBING AND STEAM-FITTING SUPPLIES.) NICKEL FABRICATING CORP., Philipsburg, Pa. Filed Jan. 22, 1923.

NINETY NINE % NICKEL

"Ninety-Nine % Nickel" is disclaimed apart from the mark shown in the drawing.
Particular description of goods.—Frying Pans, Saucepans, Stock Pots, Kettles, Roasting Pans, Baking Dishes, Ladles, Beating Bowls, Double Boilers, Pie Plates, Trays, Platters, Dish Pans, and Basins.
Claims use since Oct. 1, 1922.

Ser. No. 174,948. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) VAUGHN GROCERY COMPANY, Winston-Salem, N. C. Filed Jan. 22, 1923.

LADY ANNE



The picture of lady is fanciful.
Particular description of goods.—Coffee.
Claims use since January, 1923.

Ser. No. 175,015. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) MIYAKICHI KUMAMOTO, doing business as Kumamoto Fish Co., Seattle, Wash. Filed Jan. 24, 1923.



The Japanese character shown on the drawing is a combination letter of the alphabet, being the letters "K" and "N" combined.
Particular description of goods.—Fish Cakes and Canned Fish.
Claims use since 1911.

Ser. No. 175,077. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) ELMER CANDY CO., INC., New Orleans, La. Filed Jan. 25, 1923.

WAY DOWN SOUTH

Particular description of goods.—Candy.
Claims use since Oct. 15, 1922.

Ser. No. 175,078. (CLASS 6. CHEMICALS, MEDICINES AND PHARMACEUTICAL PREPARATIONS.) FARBWERKE VORM. MEISTER LUCIUS & BRUNING, Hochst-on-the-Main, Germany. Filed Jan. 25, 1923.

GARDAN

Particular description of goods.—Preparations for Internal and Parenteral Treatment of Fever, Polyarthritis, Muscular Rheumatism, Neuralgia, and the Like.
Claims use since Aug. 25, 1921.

Ser. No. 175,085. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) KEANE PROVISION CO., Washington, D. C. Filed Jan. 25, 1923. Under ten-year proviso.

MRS. C. FAUNCE

Particular description of goods.—Sausage and Sausage Meat.
Claims use since Sept. 15, 1871.

Ser. No. 175,136. (CLASS 26. MEASURING AND SCIENTIFIC APPLIANCES.) EUGENE DIETZGEN CO., Chicago, Ill. Filed Jan. 26, 1923.

EXCELLO

Particular description of goods.—Ruling Pens, Detail Ruling Pens, Railroad Pens, Curve Pens, Wedge Pens, Third-Blade Pens, Three-Tongue Pens, Double Pens, Pricker-Bow Dividers, Bow Pencils, Bow Pens, Bow Dividers, Self-Adjusting Drop-Spring Bow Pens, Plain Di-

viders, Hairspring Dividers, Drawing Compasses, Tubular Beam Compasses, Beam Compasses, Dotting Instruments, Pocketbook Cases Containing Combinations of the Foregoing Drawing Instruments.

Claims use since 1909.

Ser. No. 175,150. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) THE MERCIER BROS., Concord, N. H. Filed Jan. 26, 1923.



No claim is made to the words "Fancy Popcorn" apart from the other features of the mark shown.

Particular description of goods.—Candied Pop Corn.

Claims use since July 1, 1922.

Ser. No. 175,229. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) EMMER CANDY CO., INC., New Orleans, La. Filed Jan. 25, 1923.

VIEUX CARRÉ

Particular description of goods.—Candy.

Claims use since Oct. 15, 1922.

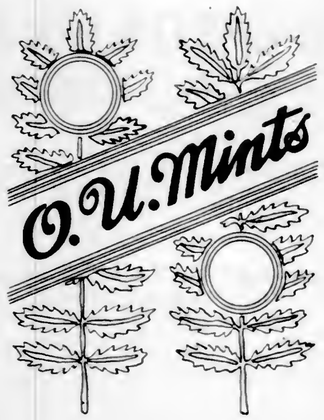
Ser. No. 175,253. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) JAMES HENRY LEWIS, doing business as Lewis Economic Co. Not Inc., Chicago, Ill. Filed Jan. 26, 1923.

Crème Fluff

Particular description of goods.—Vegetable and Mineral Compound for Neutralizing Lactic Acids to be Used in Whipping Ordinary Cream and Eggs.

Claims use since about September, 1917.

Ser. No. 175,260. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) MILLS NOVELTY COMPANY, Chicago, Ill. Filed Jan. 29, 1923.



The word "Mints" is disclaimed apart from the other features of the mark.

Particular description of goods.—Flavored Sugar Tablets.

Claims use since on or about Jan. 8, 1923.

Ser. No. 175,277. (CLASS 4. ABRASIVE, DETERGENT, AND POLISHING MATERIALS.) TAUNTON ELECTRO-CHEMICAL COMPANY, Taunton, Mass. Filed Jan. 29, 1923.



No claim is made to the exclusive use of the expressions "Hand 16 oz. Soap" and "Taunton, Mass., U. S. A." apart from the mark shown in the drawing. The drawing is lined to indicate the color blue.

Particular description of goods.—Soap.

Claims use since Dec. 1, 1922.

Ser. No. 175,297. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) D. V. BURRELL, doing business as The Rocky Ford Melon Growers Spray Manufacturing Co., Rocky Ford, Colo. Filed Jan. 30, 1923.

Aphicide

Particular description of goods.—Insecticide.

Claims use since October, 1922.

Ser. No. 175,324. (CLASS 4. ABRASIVE, DETERGENT, AND POLISHING MATERIALS.) GEORGE L. REISH, Mifflinburg, Pa., assignor to Robert V. Foster, Mifflinburg, Pa. Filed Jan. 30, 1923. Under ten-year proviso.



Particular description of goods.—Leather Preservatives.

Claims use since 1883.

Ser. No. 175,392. (CLASS 38. PRINTS AND PUBLICATIONS.) GUST HARMOUTH, Yale, Okla. Filed Feb. 1, 1923.

KODAK KITCHEN

Particular description of goods.—Photographic Prints.

Claims use since February, 1921.

Ser. No. 175,492. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) M. A. HASTY, Richmond, Ind. Filed Feb. 3, 1923.



The background of the trade-mark is yellow, as indicated by the lining on the drawing.

Particular description of goods.—Candy.

Claims use since Feb. 20, 1921.

Ser. No. 175,596. (CLASS 4. ABRASIVE, DETERGENT, AND POLISHING MATERIALS.) CHARLES F. BUTTERFIELD, doing business as Dinamite Cleaner Corporation, Salina, Kans. Filed Feb. 6, 1923.



The word "Cleaner" is hereby disclaimed apart from the mark shown.

Particular description of goods.—Cleaning Compound Used for Hand, Kitchen, Laundry, and General Household Purposes.

Claims use since Dec. 1, 1922.

Ser. No. 175,723. (CLASS 39. CLOTHING.) JOHN F. KOLKEBECK, New York, N. Y. Filed Feb. 8, 1923.

CRADLE ARCH

Particular description of goods.—Leather Shoes.

Claims use since Dec. 1, 1922.

Ser. No. 175,809. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) RAY-MALING CO., INC., Portland, Oreg. Filed Feb. 9, 1923.

RAYVALE

Particular description of goods.—Canned Fruits.

Claims use since June 1, 1922.

Ser. No. 175,810. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) RAY-MALING CO., INC., Portland, Oreg. Filed Feb. 9, 1923.

RAYCROFT

Particular description of goods.—Canned Fruits, Canned Berries, and Canned Vegetables.
Claims use since June 1, 1922.

Ser. No. 175,812. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) RAY-MALING CO., INC., Portland, Oreg. Filed Feb. 9, 1923.

RAYCREST

Particular description of goods.—Canned Fruits and Canned Berries.
Claims use since June 1, 1922.

Ser. No. 175,991. (CLASS 1. RAW OR PARTLY-PREPARED MATERIALS.) KISTLER LEATHER COMPANY, South Boston, Mass. Filed Feb. 13, 1923.

KISTLER 1840 BENCH BRAND

No claim made to the word "Brand" apart from the mark as shown in the drawing and without relinquishing any of applicant's common-law rights to the same.
Particular description of goods.—Leather.
Claims use since Jan. 24, 1923.

Ser. No. 176,127. (CLASS 14. METALS AND METAL CASTINGS AND FORGINGS.) ROY G. HIRD, doing business as Garley Steel Company, Chicago, Ill. Filed Feb. 16, 1923.

0.20%
COPPER ALLOY
LONG LIFE
RUST RESISTANT

No claim is made to the term "O. 20%" and the words appearing in the mark shown by the drawing.

Particular description of goods.—Steel Sheets, Black and Galvanized and Terne, Coated or Painted, Also Steel Bars, Plates, and Blue Annealed.
Claims use since Jan. 27, 1923.

Ser. No. 176,130. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) VICTOR P. KENNARD, Greenland, N. H. Filed Feb. 16, 1923.



Particular description of goods.—Jellies.
Claims use since Aug. 16, 1922.

Ser. No. 176,171. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) THE EUCLID CANDY CO., Cleveland, Ohio. Filed Feb. 17, 1923.

HOT LIPS

Particular description of goods.—Candy.
Claims use since Jan. 5, 1923.

Ser. No. 176,180. (CLASS 4. ABRASIVE, DETERGENT, AND POLISHING MATERIALS.) WILLIAM E. HARRIS, Asheville, N. C. Filed Feb. 17, 1923.

RADIO LEATHER CLEANER



No claim is made to the use of the words "Leather Cleaner" apart from the trade-mark shown on the drawing, applicant reserving all common-law rights thereto.
Particular description of goods.—Cleaning and Polishing Combination for Leather Goods.
Claims use since Feb. 6, 1923.

Ser. No. 176,221. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) BRUCE THURBER SHUTE, Sacramento, Calif. Filed Feb. 17, 1923.

SAFE

Particular description of goods.—Fresh Deciduous Fruits.
Claims use since July 26, 1921.

Ser. No. 176,238. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) JOHN G. WOODWARD & CO. (INC.), Council Bluffs, Iowa. Filed Feb. 17, 1923.

JACK HORNER

Particular description of goods.—Candy.
Claims use since Oct. 7, 1907.

Ser. No. 176,292. (CLASS 45. BEVERAGES, NON-ALCOHOLIC.) JESSE A. STEELE, doing business as Steele Bros., Oakland, Calif. Filed Feb. 19, 1923.

CALATONE

Particular description of goods.—Artificially-Prepared Mineral Water.
Claims use since December, 1917.

Ser. No. 176,293. (CLASS 39. CLOTHING.) E. E. TAYLOR CO., Boston, Mass. Filed Feb. 19, 1923.

O-SO-EZ-E

Trade-mark "O-So Ez-E."
Particular description of goods.—Boots and Shoes.
Claims use since Dec. 11, 1909.

Ser. No. 176,294. (CLASS 39. CLOTHING.) E. E. TAYLOR CO., Boston, Mass. Filed Feb. 19, 1923.

O-So-Snug

Trade-mark "O-So-Snug."
Particular description of goods.—Boots and Shoes Made Wholly or in Part of Leather.
Claims use since Dec. 26, 1922.

Ser. No. 176,298. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) THE UNITED FIG & DATE COMPANY, Chicago, Ill. Filed Feb. 19, 1923.

IVORY

Trade-mark consists of the word "Ivory."
Particular description of goods.—Brazil Nuts in Their Raw State.
Claims use since May 2, 1922.

Ser. No. 176,354. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) CHARLES MOLINELLI, doing business as Italian Macaroni Production Co., Rockaway Beach, N. Y. Filed Feb. 20, 1923.



No claim made to the word "Ready" apart from the other features of the mark.
Particular description of goods.—Pot Roast, Spaghetti, Potted Beef, Tripe Stew, Ravioli, and Noodles.
Claims use since Jan. 1, 1923.

Ser. No. 176,482. (CLASS 12. CONSTRUCTION MATERIALS.) THE KRIPPENDORF-TUTTLE WHITE CLIFFS PRODUCTS CO., Cincinnati, Ohio. Filed Feb. 23, 1923.

K-T

Particular description of goods.—Ground Limestone, Chalk Whiting, Chalk, Asphalt Filler, and Whiting.
Claims use since Oct. 13, 1922.

Ser. No. 176,520. (CLASS 26. MEASURING AND SCIENTIFIC APPLIANCES.) CARL M. WISEMAN, Louisville, Ky. Filed Feb. 23, 1923.

Optoring

Particular description of goods.—Finger Ring and Magnifying Glasses.
Claims use since Dec. 30, 1922.

Ser. No. 176,521. (CLASS 1. RAW OR PARTLY-PREPARED MATERIALS.) KEHOE PRESERVING COMPANY, Terre Haute, Ind. Filed Feb. 23, 1923.

ROSE APPLE

Particular description of goods.—Vegetable Seeds.
Claims use since Jan. 15, 1922.

Ser. No. 176,550. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) HYMAN KARLIN, doing business as H. Karlin Co., New York, N. Y. Filed Feb. 24, 1923.

BONANZA

Particular description of goods.—Pure Virgin Olive Oil.
Claims use since Jan. 1, 1922.

Ser. No. 176,567. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) PLANTERS NUT & CHOCOLATE COMPANY, Wilkes-Barre, Pa. Filed Feb. 24, 1923.

VINEYARD MAID

Particular description of goods.—Candy.
Claims use since Sept. 1, 1922.

Ser. No. 176,568. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) PLANTERS NUT & CHOCOLATE COMPANY, Wilkes-Barre, Pa. Filed Feb. 24, 1923.

WHISKAWAY

Particular description of goods.—Candy.
Claims use since Sept. 1, 1922.

Ser. No. 176,631. (CLASS 50. MERCHANDISE NOT OTHERWISE CLASSIFIED.) THE R. F. JOHNSTON PAINT COMPANY, Cincinnati, Ohio. Filed Feb. 26, 1923.

LINO-NU

Particular description of goods.—Decorating Outfits Comprising Varnishes, Coloring Matter, Brushes, and Sponges.
Claims use since Feb. 1, 1923.

Ser. No. 176,750. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) MILLER & PAINE, INC., Lincoln, Nebr. Filed Feb. 28, 1923.

WITCHING HOUR

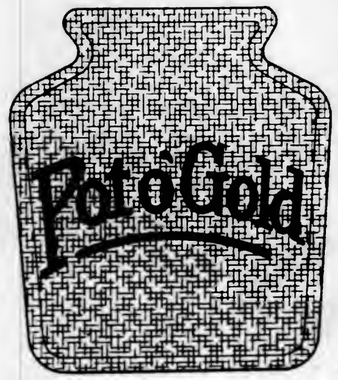
Particular description of goods.—Candies and Candied Fruit.
Claims use since Oct. 1, 1915.

Ser. No. 176,769. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) TAIYO TRADING CO., INC., New York, N. Y. Filed Feb. 28, 1923.



Particular description of goods.—Canned Crab Meat.
Claims use since about Feb. 1, 1922.

Ser. No. 176,850. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) THOMAS K. MOTT, Los Angeles, Calif. Filed Mar. 2, 1923.



The mark is lined for color to indicate yellow.
Particular description of goods.—Marmalade, Jams and Preserved Fruits.
Claims use since Feb. 1, 1922.

Ser. No. 176,913. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) C. PERCEVAL, New York, N. Y. Filed Mar. 3, 1923.

ROLLIN

Trade-mark consists of the word "Rollin."
Particular description of goods.—Olive Oil.
Claims use since about 1910.

Ser. No. 177,047. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) C. PERCEVAL, New York, N. Y. Filed Mar. 6, 1923.

CREOLE

Trade-mark consists of the word "Creole."
Particular description of goods.—Canned Okra.
Claims use since on or about June 1, 1920.

Ser. No. 177,140. (CLASS 31. FILTERS AND REFRIGERATORS.) NATIONAL ELECTRIC PRODUCTS CORPORATION, Chicago, Ill. Filed Mar. 8, 1923.

SERV-EL

Particular description of goods. Refrigerators, Refrigerator Parts, and Refrigerating Systems.
Claims use since July 15, 1922.

Ser. No. 177,145. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) SULLIVAN, HENSLEY & PONTO, Denver, Colo. Filed Mar. 8, 1923.



The trade-mark is printed in red and black, and the drawing has been lined to indicate the color.
Particular description of goods.—Ice-Cream Confections.
Claims use since Feb. 27, 1923.

Ser. No. 177,235. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) WALTER M. LOWNEY COMPANY, Boston, Mass. Filed Mar. 10, 1923.

HEY EDDIE

Particular description of goods.—Candy.
Claims use since Jan. 15, 1923.

Ser. No. 177,243. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) PHOEBE PHELPS CARAMEL CO., Boston, Mass. Filed Mar. 10, 1923.



Particular description of goods.—Caramels.
Claims use since January, 1913.

Ser. No. 177,274. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) CAESSE MANUFACTURING & IMPORTING CO., Bound Brook, N. J., and New York, N. Y. Filed Mar. 12, 1923.

TROPICAL BRAND



No claim is made to the word "Brand" apart from the other features of the mark as shown on the drawing.
Particular description of goods.—Pineapple Glacé, Glacé Assorted Fruits, and Crystallized Ginger.
Claims use since March, 1915.

Ser. No. 177,300. (CLASS 39. CLOTHING.) HENRY W. JAEDIKER, New York, N. Y. Filed Mar. 12, 1923.

Dolly Varden

Particular description of goods.—Ladies' Hats.
Claims use since Jan. 1, 1923.

Ser. No. 177,369. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) ESCONDIDO CITRUS UNION, Escondido, Calif. Filed Mar. 13, 1923.

HIDDENDALE

Particular description of goods.—Fresh Oranges and Lemons.
Claims use since Feb. 1, 1923.

Ser. No. 177,380. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) INDIANAPOLIS ABATTOIR COMPANY, Indianapolis, Ind. Filed Mar. 13, 1923.

ABAROLA

Particular description of goods.—Hams, Shoulders, Bacon, Sausage, Tongues, Dried Beef, Jowls, Butts, and Lard.
Claims use since 1912.

Ser. No. 177,410. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) WILLIAM G. ROE, Winter Haven, Fla. Filed Mar. 13, 1923.

TRUBLU
BRAND



The picture of the lady's head is fanciful. The design of the orange and the word "Brand" do not form a part of the registration sought apart from the mark shown in the drawing.
Particular description of goods.—Fresh Citrous Fruits.
Claims use since Dec. 29, 1922.

Ser. No. 177,484. (CLASS 39. CLOTHING.) HARRY W. GOLDMAN, doing business as The Harry W. Goldman Co., Baltimore, Md. Filed Mar. 15, 1923.

Bonnie Briar

Particular description of goods.—Middy Blouses, Ladies', Children's, and Misses' Dresses, Knickers, Boys' Suits, Bloomers, Overskirts, Waists, and Sport Coats.
Claims use since Feb. 26, 1923.

Ser. No. 177,515. (CLASS 4. ABRASIVE, DETERGENT, AND POLISHING MATERIALS.) POLYGON PRODUCTS CO., Boston, Mass. Filed Mar. 15, 1923.

KLENGON

Particular description of goods.—Preparation for Cleaning Fabric, Leather, and Woodwork, and for Dissolving and Removing Therefrom Tar, Grease, Oil, Gums, and Other Discolorations and Stains.
Claims use since August, 1922.

Ser. No. 177,544. (CLASS 50. MERCHANDISE NOT OTHERWISE CLASSIFIED.) A. BRUNS & SONS, Brooklyn, N. Y. Filed Mar. 16, 1923.

Bruns
MADERITE

Particular description of goods.—Furniture-moving Pads, Tents, Tarpaulins, and Awnings and Waterproof Phonograph, Casket, Truck, and Piano Covers.
Claims use since June 15, 1919.

Ser. No. 177,580. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) ABBOTT, HALL & CO., also doing business as John Braadland Ltd., and Venus Packing Co., Boston, Mass. Filed Mar. 17, 1923.

Soo

Particular description of goods.—Canned Fish.
Claims use since June 1, 1923.

Ser. No. 177,631. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) STANDARD SYRUP COMPANY, St. Louis, Mo. Filed Mar. 17, 1923.

Q

Particular description of goods.—Fruit Preserves, Honey, and Mincemeat.
Claims use since about Aug. 1, 1922.

Ser. No. 177,659. (CLASS 45. BEVERAGES, NON-ALCOHOLIC.) ELGOT AND GIUNTINI, New York, N. Y. Filed Mar. 19, 1923.

Come Again

Particular description of goods.—Maltless Soda-Fountain Sirups for Soft Drinks.
Claims use since November, 1922.

Ser. No. 177,760. (CLASS 35. BELTING, HOSE, MACHINERY PACKING, AND NONMETALLIC TIRES.) JACOB BACHMANN, doing business as J. Bachmann & Co., New York, N. Y. Filed Mar. 21, 1923.

GREEN FROG

Trade-mark consists of the word "Greenfrog."
Particular description of goods.—Leather Belting.
Claims use since Jan. 1, 1922.

Ser. No. 177,791. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) JAS. H. MATTHEWS & COMPANY, Pittsburgh, Pa. Filed Mar. 21, 1923.

J.H.M & Co.
TESTED

No claim is made to the exclusive rights in the word "Tested" apart from the mark shown by the drawing.
Particular description of goods.—Steel Marking Dies.
Claims use since Nov. 1, 1922.

Ser. No. 177,983. (CLASS 40. FANCY GOODS, FURNISHINGS, AND NOTIONS.) MORISSE LACE & EMBROIDERY CO., St. Louis, Mo. Filed Mar. 24, 1923.

MOLECO

Particular description of goods.—Braids, Tassels, Passementeries and Garnitures.
Claims use since August, 1912.

Ser. No. 177,984. (CLASS 40. FANCY GOODS, FURNISHINGS, AND NOTIONS.) MORISSE LACE & EMBROIDERY CO., St. Louis, Mo. Filed Mar. 24, 1923



Particular description of goods.—Braids, Tassels, Passementeries, and Garnitures.
Claims use since 1900.

Ser. No. 178,003. (CLASS 17. TOBACCO PRODUCTS.) R. J. SEIDENBERG CO., Buffalo, N. Y. Filed Mar. 24, 1923.

THE SEAL OF GUARANTEED QUALITY

SELECCION DE LUXE

Applicant disclaims the words "The Seal of Guaranteed Quality" and "Seleccion De Luxe."
Particular description of goods.—Cigars.
Claims use since Mar. 9, 1923.

Ser. No. 178,032. (CLASS 45. BEVERAGES, NONALCOHOLIC. FLORIDA PRODUCTS COMPANY, INC., New York, N. Y. Filed Mar. 26, 1923.

POM-ORA

Particular description of goods.—Maltless Carbonated Beverages Sold as Soft Drinks.
Claims use since Mar. 10, 1923.

Ser. No. 178,060. (CLASS 50. MERCHANDISE NOT OTHERWISE CLASSIFIED.) THE PAINE & WILLIAMS COMPANY, Cleveland, Ohio. Filed Mar. 26, 1923.

"RUNBO"

Particular description of goods.—Rubber Matting.
Claims use since on or about Aug. 1, 1922.

Ser. No. 178,069. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) THE STEEL PRODUCTS COMPANY, Cleveland, Ohio. Filed Mar. 26, 1923.

THOMPSON SILCROME

Particular description of goods.—Poppet Valves for Internal-Combustion Engines and Tools and Parts Thereof.
Claims use since Mar. 3, 1922.

Ser. No. 178,070. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) THE STEEL PRODUCTS COMPANY, Cleveland, Ohio. Filed Mar. 26, 1923.

SILCROME

Particular description of goods.—Poppet Valves for Internal-Combustion Engines and Tools and Parts Thereof.
Claims use since Sept. 7, 1921.

Ser. No. 178,105. (CLASS 40. FANCY GOODS, FURNISHINGS, AND NOTIONS.) JOHN JAMES & SONS LIMITED, Redditch, England. Filed Mar. 27, 1923.



No claim is made to the exclusive right to the use of the word "Sharps" or the word "Trade Mark" apart from the mark shown in the drawing.
Particular description of goods.—Needles for Hand Sewing.
Claims use since about 1884.

Ser. No. 178,162. (CLASS 38. PRINTS AND PUBLICATIONS.) A. GENEVIEVE CALKINS, doing business as South Norwalk Evening Sentinel, South Norwalk, Conn. Filed Mar. 28, 1923.

Jean Vernon.

Nom de plume "Jean Vernon."
Particular description of goods.—Newspaper and Magazine Articles, Prints, and Publications.
Claims use since May 19, 1922.

Ser. No. 178,182. (CLASS 4. ABRASIVE, DETERGENT, AND POLISHING MATERIALS.) HIRAM MERRITT, doing business as Diozone Company, Newburgh, N. Y. Filed Mar. 28, 1923.

DIOZONE

The drawing is lined for the purpose of shading only.
Particular description of goods.—Paste for Cleaning False Teeth.
Claims use since Feb. 28, 1921.

Ser. No. 178,213. (CLASS 17. TOBACCO PRODUCTS.) ISAAC BLUM, New York, N. Y. Filed Mar. 29, 1923.

MIRROR

Particular description of goods.—Cigarettes.
Claims use since Mar. 15, 1923.

Ser. No. 178,318. (CLASS 2. RECEPTACLES.) GEORGE N. WENDLING, San Francisco, Calif. Filed Mar. 29, 1923.



Particular description of goods.—Box Shooks.
Claims use since July, 1921.

Ser. No. 178,380. (CLASS 38. PRINTS AND PUBLICATIONS.) THE FOWLER & SLATER CO., Cleveland, Ohio. Filed Mar. 31, 1923.

Matto

Particular description of goods.—Photographic Prints.
Claims use since Feb. 1, 1923.

Ser. No. 178,434. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) THE EAGLE CARBURETOR COMPANY, Cleveland, Ohio. Filed Apr. 2, 1923.

SUPER-TUBE

Particular description of goods.—Carburetors and Structural Parts and Fittings Therefor.
Claims use since on or about Mar. 10, 1923.

Ser. No. 178,496. (CLASS 1. RAW OR PARTLY-PREPARED MATERIALS.) DELTA EXPORT LUMBER CORPORATION, Memphis, Tenn. Filed Apr. 3, 1923.

DELTA



Particular description of goods.—Logs.
Claims use since June 1, 1922.

Ser. No. 178,571. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) SANDVIKENS JERNVERKS AKTIEBOLAG, Sandviken, Sweden. Filed Apr. 4, 1923.



Particular description of goods.—Saws Handled and Not Handled, Hammers, Sledges, Wedges, Stone Picks, and Pickaxes.
Claims use since Jan. 25, 1888.

Ser. No. 178,699. (CLASS 22. GAMES, TOYS, AND SPORTING GOODS.) HENRY STORGAARD, doing business as Aut-O-Luk Card Co., Yakima, Wash. Filed Apr. 6, 1923.

AUT-O-LUK

Particular description of goods.—Card Game.
Claims use since Mar. 11, 1923.

Ser. No. 178,704. (CLASS 40. FANCY GOODS, FURNISHINGS, AND NOTIONS.) ASSOCIATED MERCHANDISING CORPORATION, Newark, N. J., and New York, N. Y. Filed Apr. 7, 1923.

TRI-RING BRAND



No rights to registration are claimed on the word "Brand" apart from the mark shown.
Particular description of goods.—Tape.
Claims use since October, 1922.

Ser. No. 178,705. (CLASS 40. FANCY GOODS, FURNISHINGS, AND NOTIONS.) ASSOCIATED MERCHANDISING CORPORATION, Newark, N. J., and New York, N. Y. Filed Apr. 7, 1923.

"ZEPHYR"

Particular description of goods.—Dress Shields.
Claims use since August, 1922.

Ser. No. 178,872. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) SANDVIKENS JERNVERKS AKTIEBOLAG, Sandviken, Sweden. Filed Apr. 9, 1923.

SANDVIK

Particular description of goods.—Saws Handled and Not Handled, Hammers, Sledges, Wedges, Stone Picks, Pickaxes.
Claims use since Oct. 13, 1868.

Ser. No. 178,984. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) FOAMITE-CHILDS CORPORATION, Utica, N. Y. Filed Apr. 11, 1923.

Foamite
SMOTHERS FIRE

Right to registration under the trade-mark act of Feb. 20, 1905, as amended, of the words "Smothers Fire" apart from the mark shown is not claimed.
Particular description of goods.—Hand-Operated, Portable, and Stationary Fire-Extinguishing Apparatus.
Claims use since on or about Sept. 1, 1914.

Ser. No. 179,030. (CLASS 35. BELTING, HOSE, MACHINERY PACKING, AND NONMETALLIC TIRES.) LEO L. CHADWIN, doing business as Protection Tire & Rubber Company, Philadelphia, Pa. Filed Apr. 12, 1923.

PROTECTION

Trade-mark consists of the word "Protection."
Particular description of goods.—Rubber Tires and Inner Tubes.
Claims use since Feb. 8, 1923.

Ser. No. 179,104. (CLASS 40. FANCY GOODS, FURNISHINGS, AND NOTIONS.) I. B. KLEINERT RUBBER COMPANY, New York, N. Y. Filed Apr. 13, 1923.

DAINTYWEIGHT

Particular description of goods.—Dress Shields.
Claims use since Apr. 2, 1923.

Ser. No. 179,224. (CLASS 37. PAPER AND STATIONERY.) RICHTER CARD & PAPER CO., INC., New York, N. Y. Filed Apr. 16, 1923.

R&P 90 INC
STERLING
Vellum Finish
Announcements

No claim made to the exclusive use of the words "Vellum Finish Announcements" apart from the mark as shown on the drawing.
Particular description of goods.—Announcements Consisting of a Card and Envelope and Folded Sheet and Envelope.
Claims use since September, 1920.

Ser. No. 179,325. (CLASS 16. PAINTS AND PAINTERS' MATERIALS.) JAMES B. SIPE & COMPANY, Pittsburgh, Pa. Filed Apr. 18, 1923.

ADHERO
RIVETED TO THE SURFACE

Particular description of goods.—Primer Paint for Metal Surfaces.
Claims use since Mar. 1, 1920.

Ser. No. 179,326. (CLASS 16. PAINTS AND PAINTERS' MATERIALS.) JAMES B. SIPE & COMPANY, Pittsburgh, Pa. Filed Apr. 18, 1923.

Dura Alba

Particular description of goods.—Paste Paint.
Claims use since Apr. 1, 1919.

Ser. No. 179,331. (CLASS 16. PAINTS AND PAINTERS' MATERIALS.) JAMES B. SIPE & COMPANY, Pittsburgh, Pa. Filed Apr. 18, 1923.

DRYFLEX

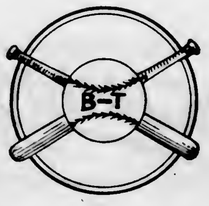
Particular description of goods.—Paint Oil to be Added to Paint.
Claims use since Jan. 3, 1912.

Ser. No. 179,377. (CLASS 37. PAPER AND STATIONERY.) MILLER'S BOOK STORE, INC., Atlanta, Ga. Filed Apr. 19, 1923.

MILLER'S ETERNAL

Particular description of goods.—Fountain Pens.
Claims use since Jan. 1, 1923.

Ser. No. 179,394. (CLASS 22. GAMES, TOYS, AND SPORTING GOODS.) THE BON-TOBER SPORTING GOODS CO., Hartford, Conn. Filed Apr. 20, 1923.



The representation of a baseball is disclaimed apart from the mark shown on the drawing.
Particular description of goods.—Baseballs and Baseball Gloves.
Claims use since June 1, 1921.

Ser. No. 179,424. (CLASS 2. RECEPTACLES.) PAGE & SHAW, INCORPORATED, Cambridge, Mass. Filed Apr. 20, 1923.

CELLUCLAIRE

Particular description of goods.—Transparent Containers for Food Products.
Claims use since Mar. 26, 1923.

Ser. No. 179,426. (CLASS 40. FANCY GOODS, FURNISHINGS, AND NOTIONS.) POWERS, FRIEND & LICHTMAN, New York, N. Y. Filed Apr. 20, 1923.

HOMECRAFT

Particular description of goods.—Fringes and Art Needlework Consisting of Stamped Linens and Cottons.
Claims use since Apr. 4, 1923.

Ser. No. 179,528. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) FRIEDMAN & KRIEGER, New York, N. Y. Filed Apr. 23, 1923.

VENESIA

Particular description of goods.—Cotton Fabrics.
Claims use since June 20, 1922.

Ser. No. 179,569. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) WALTHER MANUFACTURING CO., Philadelphia, Pa. Filed Apr. 23, 1923.

CREP-O-CORD

Particular description of goods.—Worsted Piece Goods, Woolen Piece Goods, Worsted and Cotton Piece Goods, Woolen and Cotton Piece Goods, and Worsted and Silk Piece Goods.
Claims use since about Apr. 16, 1923.

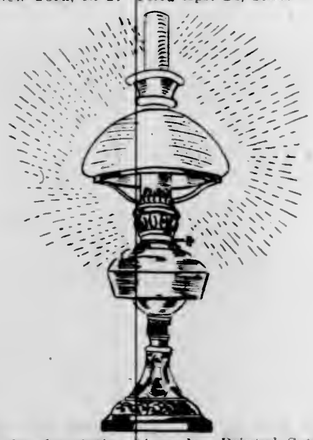
Ser. No. 179,608. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) KUMMER, UPMANN & CO., New York, N. Y. Filed Apr. 24, 1923.



LA MODA

Particular description of goods.—Cotton Piece Goods.
Claims use since 1920.

Ser. No. 179,620. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) NEUSS, HESSLEIN & CO., INC., New York, N. Y. Filed Apr. 24, 1923.



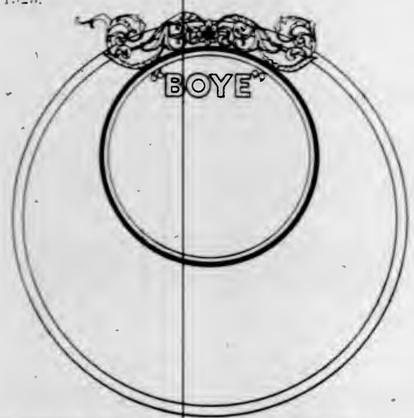
Particular description of goods.—Printed Cotton Piece Goods, Bleached and Gray Cotton Piece Goods, and Dyed in the Yarn Cotton Piece Goods.
Claims use since July, 1913.

Ser. No. 179,631. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) JAMES THOMPSON & CO., New York, N. Y. Filed Apr. 24, 1923.



Particular description of goods.—Netted or Wide-Mesh Fabrics.
Claims use since Jan. 1, 1921.

Ser. No. 179,773. (CLASS 13. HARDWARE AND PLUMBING AND STEAM-FITTING SUPPLIES.) THE BOYE NEEDLE CO., Chicago, Ill. Filed Apr. 27, 1923.



Particular description of goods.—Key Chains.
Claims use since Jan. 1, 1923.

Ser. No. 179,798. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) KNITTED TEXTILES CORPORATION, New York, N. Y., and Allentown, Pa. Filed Apr. 27, 1923.



Particular description of goods.—Woven and Knitted Textile Fabrics in the Piece and Cotton and Wool Piece Goods.
Claims use since Oct. 5, 1922.

Ser. No. 179,799. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) KNITTED TEXTILES CORPORATION, New York, N. Y., and Allentown, Pa. Filed Apr. 27, 1923.



Particular description of goods.—Woven and Knitted Textile Fabrics in the Piece and Cotton and Wool Piece Goods.
Claims use since Oct. 1, 1922.

Ser. No. 179,836. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) VARY KNIT CO., INC., Union Hill, N. J., and New York, N. Y. Filed Apr. 27, 1923.



Particular description of goods.—Knitted Wool and Cotton Goods in the Piece.
Claims use since Oct. 5, 1922.

Ser. No. 179,882. (CLASS 16. PAINTS AND PAINTERS' MATERIALS.) PEASLEE-GAULBERT CO., Louisville, Ky. Filed Apr. 28, 1923.

RE-NU-LAC

Particular description of goods.—Varnish Stains and Paint Enamel.
Claims use since Sept. 14, 1904.

Ser. No. 179,902. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) WALTHER MANUFACTURING CO., Philadelphia, Pa. Filed Apr. 28, 1923.

CREP-O-PLAID

Particular description of goods.—Worsted Piece Goods, Woolen Piece Goods, Worsted and Cotton Piece Goods, Woolen and Cotton Piece Goods, and Worsted and Silk Piece Goods.
Claims use since about Apr. 23, 1923.

Ser. No. 179,940. (CLASS 16. PAINTS AND PAINTERS' MATERIALS.) THE HOCKADAY COMPANY, Chicago, Ill. Filed Apr. 30, 1923.

HOCKADAY'S INTERIO

Particular description of goods.—Wall Finishes and Reducers.
Claims use since Jan. 1, 1911.

Ser. No. 179,994. (CLASS 31. FILTERS AND REFRIGERATORS.) D. EDDY AND SONS COMPANY, Boston, Mass. Filed May 1, 1923.

THE FATHER OF THEM ALL

The trade-mark consists of the words "The Father Of Them All."
Particular description of goods.—Refrigerating Apparatus.
Claims use since Apr. 1, 1920.

Ser. No. 180,038. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) WILTON MANUFACTURING COMPANY, INC., New York, N. Y. Filed May 1, 1923.



Particular description of goods.—Cotton Piece Goods.
Claims use since July 18, 1916.

Ser. No. 180,039. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) WILTON MANUFACTURING COMPANY, INC., New York, N. Y. Filed May 1, 1923.



Particular description of goods.—Cotton Piece Goods.
Claims use since Mar. 31, 1917.

Ser. No. 180,065. (CLASS 22. GAMES, TOYS, AND SPORTING GOODS.) A. G. HALL, doing business as Hall Rod Works, Highland Mills, N. Y. Filed May 2, 1923. Under ten-year proviso.

CELEBRATED

Particular description of goods.—Fishing Lines Both Braided and Twisted, Rods, Snelled Hooks, and Leaders.
Claims use since 1837.

Ser. No. 180,082. (CLASS 16. PAINTS AND PAINTERS' MATERIALS.) ARTHUR N. SANDERSON, West Springfield, Mass. Filed May 2, 1923.

SANDY'S AS PRIDE

Particular description of goods.—Automobile, Piano, and Furniture Polish.
Claims use since Apr. 13, 1923.

Ser. No. 180,097. (CLASS 16. PAINTS AND PAINTERS' MATERIALS.) COLONIAL WORKS, Brooklyn, N. Y. Filed May 3, 1923.



Particular description of goods.—Paste Paint and Ready-Mixed Paint.
Claims use since Feb. 1, 1923.

Ser. No. 180,139. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) PACIFIC MILLS, Lawrence and Boston, Mass. Filed May 3, 1923.

TRUTH

Particular description of goods.—Cotton Piece Goods.
Claims use since Mar. 24, 1923.

Ser. No. 180,145. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) THE SCHWARZENBACH HUBER COMPANY, West Hoboken N. J. Filed May 3, 1923.

DARBROOK

Particular description of goods.—Silk and Artificial-Silk Piece Goods and Cotton, Linen, and Woolen Piece Goods and Combinations of the Foregoing.
Claims use since Apr. 12, 1923.

Ser. No. 180,146. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) THE SCHWARZENBACH HUBER COMPANY, West Hoboken, N. J. Filed May 3, 1923.

MIDAS

Particular description of goods.—Cotton Back Satin in the Piece.
Claims use since 1917.

Ser. No. 180,161. (CLASS 37. PAPER AND STATIONERY.) WHITING PAPER COMPANY, Holyoke, Mass. Filed May 3, 1923.

LONDON WRITINGS

Particular description of goods.—Writing Papers and Mailing Envelopes, and Printing Papers.
Claims use since January, 1894.

Ser. No. 180,311. (CLASS 2. RECEPTACLES.) THE VORTEX MFG. CO., Chicago, Ill. Filed May 7, 1923.

Vortex

Particular description of goods.—Metal Holders for Paper Dishes and Dispensing Receptacles for Paper Dishes.
Claims use since October, 1913.

Ser. No. 180,313. (CLASS 40. FANCY GOODS, FURNISHINGS, AND NOTIONS.) WEST ELECTRIC HAIR CURLER COMPANY, Philadelphia, Pa. Filed May 7, 1923.

West "Midget" Hair Curlers

No claim made to the words "Hair Curlers" apart from the mark as shown.
Particular description of goods.—Hair Curlers.
Claims use since 1906.

Ser. No. 180,638. (CLASS 2. RECEPTACLES.) FRED A. WISH INCORPORATED, New York, N. Y. Filed May 14, 1923.

UNCLE WIGGILY

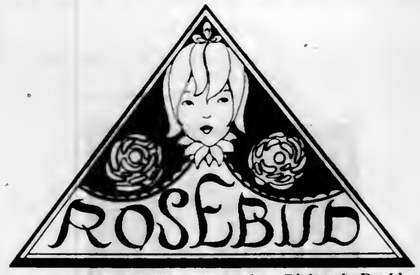
Particular description of goods.—Metal and Paper Fancy Containers and Boxes.
Claims use since Oct. 4, 1922.

Ser. No. 180,732. (CLASS 16. PAINTS AND PAINTERS' MATERIALS.) BRADLEY-WISE PAINT CO., Los Angeles, Calif. Filed May 17, 1923.

BRADOLIN

Particular description of goods.—Dry, Paste, and Ready-Mixed Paints, Varnishes, Paint Enamels, and Dry Pigment.
Claims use since Feb. 1, 1922.

Ser. No. 180,738. (CLASS 40. FANCY GOODS, FURNISHINGS, AND NOTIONS.) BARASH BROTHERS, INC., New York, N. Y. Filed May 17, 1923.



Particular description of goods.—Rickrack Braid and Shirred Ribbon Elastic.
Claims use since Apr. 1, 1923.

Ser. No. 180,762. (CLASS 50. MERCHANDISE NOT OTHERWISE CLASSIFIED.) GEORGE A. HAYNES, INC., Boston, Mass. Filed May 17, 1923.

SEZIT

Trade-mark consists of the word "Sezit."
Particular description of goods.—Caps or Closures for Receptacles Such as Bottles, Jars, and the Like.
Claims use since Nov. 27, 1922.

TRADE-MARK REGISTRATIONS GRANTED

[ACT OF FEBRUARY 20, 1905.]

JULY 3, 1923.

169,749. A FLY AND INSECT MIST. THE JOHNSTON UNITED CHEMICAL CO., INC., Clare, Mich.
Filed November 18, 1922. Serial No. 172,224. PUBLISHED MARCH 27, 1923.

169,750. LIQUID TONIC FOR TONING UP THE SYSTEM. SOUTHERN LABORATORIES, INC., Atlanta, Ga.
Filed November 15, 1922. Serial No. 172,064. PUBLISHED MARCH 27, 1923.

169,751. PHARMACEUTICAL PREPARATIONS FOR CERTAIN NAMED PURPOSES. ANNIE M. MALONE, doing business as Poro College, St. Louis, Mo.
Filed November 1, 1922. Serial No. 171,464. PUBLISHED MARCH 27, 1923.

169,752. WOOL YARN. WOLLGARNFABRIK FULDA G. m. b. H., Fulda, Germany.
Filed November 6, 1922. Serial No. 171,677. PUBLISHED MARCH 27, 1923.

169,753. COMPACT POWDERS AND COMPACT ROUGE. RICHARD HUDNUT, New York, N. Y.
Filed November 1, 1922. Serial No. 171,462. PUBLISHED MARCH 27, 1923.

169,754. COMPACT POWDERS AND COMPACT ROUGE. RICHARD HUDNUT, New York, N. Y.
Filed November 1, 1922. Serial No. 171,461. PUBLISHED MARCH 27, 1923.

169,755. SOAP AND SOAP PASTE AND SOAP POWDER. EMIL B. SKGERSTROM, Anaheim, Calif.
Filed October 30, 1922. Serial No. 171,390. PUBLISHED MARCH 27, 1923.

169,756. DENTIFRICES. SOCIÉTÉ ANONYME LA BIOTHERAPIE (SOCIETE ANONYME DE PRODUITS CHIMIQUES BIOLOGIQUES ET D'HYGIENE), Paris, France.
Filed October 27, 1922. Serial No. 171,289. PUBLISHED MARCH 27, 1923.

169,757. PERFUMES, PERFUME POWDERS, AND TOILET WATERS. COLGATE & COMPANY, Jersey City, N. J.
Filed October 26, 1922. Serial No. 171,201. PUBLISHED MARCH 27, 1923.

169,758. CANDY AND CONFECTIONS. HUYLER'S, New York, N. Y.
Filed August 3, 1920. Serial No. 135,754. PUBLISHED MARCH 27, 1923.

169,759. IMPREGNATING MATERIAL FOR USE AS A PRESERVATIVE. CHEMISCHE FABRIKEN VORM. WEILER-TER MEER, Uerdingen, Germany.
Filed September 30, 1922. Serial No. 170,126. PUBLISHED MARCH 6, 1923.

169,760. IMPREGNATING MATERIAL FOR USE AS A PRESERVATIVE. CHEMISCHE FABRIKEN VORM. WEILER-TER MEER, Uerdingen, Germany.
Filed September 30, 1922. Serial No. 170,125. PUBLISHED MARCH 6, 1923.

169,761. IMPREGNATING MATERIAL FOR USE AS A PRESERVATIVE. CHEMISCHE FABRIKEN VORM. WEILER-TER MEER, Uerdingen, Germany.
Filed September 30, 1922. Serial No. 170,124. PUBLISHED MARCH 6, 1923.

169,762. SWEET-PICKLED WATERMELON RIND. G. B. RAFFETTO, INC., New York, N. Y.
Filed September 16, 1922. Serial No. 169,561. PUBLISHED APRIL 3, 1923.

169,763. CERTAIN ARTICLES OF CLOTHING. JORDAN MARSH COMPANY, Boston, Mass.
Filed September 15, 1922. Serial No. 169,490. PUBLISHED APRIL 3, 1923.

169,764. GERMICIDE SCALP CLEANSER. GEORGE D. TIETJEN, doing business as Kleen Products Co., Hasbrouck Heights, N. J.
Filed September 14, 1922. Serial No. 169,459. PUBLISHED MARCH 6, 1923.

169,765. COATS FOR CHILDREN, JUNIORS, MISSES, AND LADIES. DORFMAN & MILLER, New York, N. Y.
Filed September 13, 1922. Serial No. 169,396. PUBLISHED APRIL 3, 1923.

169,766. CANDY. LOUIS L. LIPSCHULTZ, doing business as Lips Specialty Candy Co., Chicago, Ill.
Filed September 11, 1922. Serial No. 169,311. PUBLISHED APRIL 3, 1923.

169,767. MEDICINE FOR THE TREATMENT OF ULCERATIVE AND DISEASED CONDITIONS OF MOUTH AND THROAT. THE CLARKE CHEMICAL CO., Kansas City, Mo.
Filed September 11, 1922. Serial No. 169,283. PUBLISHED MARCH 13, 1923.

169,768. A PREPARATION FOR THE SCALP. ALICE R. MELLER, doing business as The Sani Scalp Co., Pittsburgh, Pa.
Filed September 9, 1922. Serial No. 169,253. PUBLISHED MARCH 13, 1923.

169,769. WOMEN'S BLOOMERS. THE L. N. GROSS COMPANY, Cleveland, Ohio.
Filed September 9, 1922. Serial No. 169,240. PUBLISHED APRIL 3, 1923.

169,770. LADIES', MISSES', AND CHILDREN'S DRESSES. NICKELS MANUFACTURING COMPANY, Bristol, Va.
Filed September 7, 1922. Serial No. 169,179. PUBLISHED APRIL 3, 1923.

169,771. MEDICINAL TABLETS FOR DISORDERS OF THE STOMACH AND BOWELS, FACE AND SKIN LOTIONS, SHAMPOO, AND HAIR ELIXIR. KALINA COMPANY, Buffalo, N. Y.
Filed September 7, 1922. Serial No. 169,169. PUBLISHED MARCH 6, 1923.

169,772. HOT BOTTLES FOR MEDICAL PURPOSES. B. H. DYER COMPANY, Philadelphia, Pa.
Filed September 5, 1922. Serial No. 169,053. PUBLISHED APRIL 3, 1923.

169,773. POTATO CHIPS. HARRY C. BLAKELY, New Britain, Conn.
Filed August 31, 1922. Serial No. 168,913. PUBLISHED APRIL 3, 1923.

169,774. LADIES,' WOMEN'S, AND MISSES' GOWNS, WRAPS, DRESSES, COATS, CLOAKS, CAPES, SKIRTS, AND SUITS. LOUSOLS PHILADELPHIA, Philadelphia, Pa.
Filed August 30, 1922. Serial No. 168,901. PUBLISHED APRIL 3, 1923.

169,775. SKIN LOTIONS AND CREAMS. JEAN JORDEAU INC., South Orange, N. J., and New York, N. Y.
Filed August 30, 1922. Serial No. 168,893. PUBLISHED MARCH 6, 1923.

169,776. LAXATIVE OR MILD PURGATIVE PILL PREPARATION. WILFORD HARRISON, doing business as Delta Chemical Company, Wichita Falls, Tex.
Filed August 28, 1922. Serial No. 168,865. PUBLISHED MARCH 6, 1923.

169,777. CHOCOLATE FRUIT BAR. GRUENHAGEN'S, San Francisco, Calif.
Filed August 28, 1922. Serial No. 168,766. PUBLISHED APRIL 3, 1923.

169,778. HAIR GLOSS AND HAIR GROWER. MAY E. SWAN, doing business as Madame J. E. Swan, New York, N. Y.
Filed August 26, 1922. Serial No. 168,737. PUBLISHED MARCH 13, 1923.

169,779. A MEDICINAL COMPOUND FOR DISEASES OF THE STOMACH. CHARLES F. DARE & SON, INC., Bridgeton, N. J.
Filed November 20, 1922. Serial No. 172,265. PUBLISHED MARCH 27, 1923.

169,780. COMPOUND FOR DISSOLVING AND REMOVING SCALE AND RUST FROM BOILERS, RADIATORS, AND WATER JACKETS. THE BOILER SCALE DISSOLVENT CORP., Buffalo, N. Y.
Filed November 21, 1922. Serial No. 172,318. PUBLISHED MARCH 27, 1923.

169,781. SOAP FOR TOILET, BATH, LAUNDRY, AND ALL DETERGENT PURPOSES. FRANK GAIUS BURKE, doing business as Manhattan Soap Company, New York, N. Y.
Filed November 25, 1922. Serial No. 172,508. PUBLISHED MARCH 27, 1923.

169,782. DYED COTTON PIECE GOODS. THE BRADFORD DYERS' ASSOCIATION, LIMITED, Bradford, England.
Filed September 13, 1919. Serial No. 122,624. PUBLISHED MARCH 20, 1923.

169,783. CERTAIN NAMED PIECE GOODS. THE BRADFORD DYERS' ASSOCIATION, LIMITED, Bradford, England.
Filed September 13, 1919. Serial No. 122,625. PUBLISHED MARCH 27, 1923.

169,784. TOOTH PASTE. UNITED RETAIL CHEMISTS CORPORATION, New York, N. Y.
Filed June 11, 1921. Serial No. 149,039. PUBLISHED MARCH 27, 1923.

169,785. A MEDICINE USED IN THE TREATMENT OF CANCER. WILLIAM E. MITCHELY, Williamsport, Pa.
Filed October 17, 1921. Serial No. 154,229. PUBLISHED MARCH 27, 1923.

169,786. FOOT POWDER. WILLIAM THOMAS SHAW, doing business as Shoemaco Mfg. Co., Bellevue, Ohio.
Filed November 21, 1921. Serial No. 155,709. PUBLISHED MARCH 20, 1923.

169,787. TOOTH PASTE, TOOTH POWDER, AND MOUTH WASH. OTTOMAR HEINSIUS v. MAYENBURG, doing business as Laboratorium Leo, Dresden, Germany.
Filed December 27, 1921. Serial No. 156,996. PUBLISHED MARCH 27, 1923.

169,788. PUBLICATION DEVOTED TO THE ELECTRICAL AND GENERAL TRADES OTHER THAN JEWELRY. GENERAL ELECTRIC COMPANY, Schenectady, N. Y.
Filed July 26, 1922. Serial No. 167,389. PUBLISHED MARCH 27, 1923.

169,789. COMPLETELY-PRINTED BOOKS. MORRIS J. HOENIG, Newark, N. J.
Filed August 19, 1922. Serial No. 168,470. PUBLISHED MARCH 27, 1923.

169,790. POWDERS ADAPTED TO BE USED IN THE BATH. PARFUMERIE PAVANE, New York, N. Y.
Filed August 30, 1922. Serial No. 168,900. PUBLISHED MARCH 20, 1923.

169,791. INSECTICIDES, BACTERICIDES, COMBINED INSECTICIDES AND FUNGICIDES, AND FUNGICIDES FOR PLANTS. BOBWHITE CHEMICAL CORPORATION, New York, N. Y.
Filed September 1, 1922. Serial No. 168,953. PUBLISHED MARCH 27, 1923.

169,792. INSECTICIDES, BACTERICIDES, COMBINED INSECTICIDES AND FUNGICIDES, AND FUNGICIDES FOR PLANTS. BOBWHITE CHEMICAL CORPORATION, New York, N. Y.
Filed September 1, 1922. Serial No. 168,954. PUBLISHED MARCH 27, 1923.

169,793. METAL POLISH, WORKING-BOARD POLISH, TILE AND MARBLE CLEANER, AND SOAP CHIPS. J. ELMER SMITH, doing business as Claresa Chemical Works, Irwin, Pa.
Filed September 2, 1922. Serial No. 169,036. PUBLISHED MARCH 27, 1923.

169,794. HEAVY CHEMICALS AND ACIDS—VIZ, HYDROFLUORIC ACID, IRON PERCHLORIDE, AND SOLDERING FLUID. WIARDA & HALL ACID WORKS INC., Brooklyn, N. Y.
Filed September 5, 1922. Serial No. 169,106. PUBLISHED MARCH 20, 1923.

169,795. PREPARATION FOR DISEASES OF THE MOUTH AND GUMS. HEROIC GUM REMEDY COMPANY, Atlanta, Ga.
Filed September 9, 1922. Serial No. 169,246. PUBLISHED MARCH 20, 1923.

169,796. PERIODICALLY-ISSUED LITERARY SUPPLEMENT. THE ASSOCIATED PUBLISHERS OF IOWA, Waterloo, Iowa.
Filed September 21, 1922. Serial No. 169,741. PUBLISHED MARCH 27, 1923.

169,797. THE NAME OF A MONTHLY MAGAZINE. RADIO WAVES PUBLISHING CO., Portland, Oreg.
Filed September 22, 1922. Serial No. 169,825. PUBLISHED MARCH 27, 1923.

169,798. TROPICAL WORSTED PIECE GOODS. TROPICAL WORSTED COMPANY, INC., New York, N. Y.
Filed September 22, 1922. Serial No. 169,836. PUBLISHED MARCH 27, 1923.

169,799. PREPARATIONS FOR PROTECTING ANIMAL SUBSTANCES AGAINST THE NOXIOUS EFFECT OF CHEMICALS, ESPECIALLY ALKALIES, DURING THE PROCESS OF REFINEMENT. AKTIEN-GESELLSCHAFT FÜR ANILIN-FABRIKATION, Berlin, Germany.
Filed October 3, 1922. Serial No. 170,232. PUBLISHED MARCH 27, 1923.

169,800. PIECE GOODS MADE OF SILK. GOLDING FABRICS CORPORATION, New York, N. Y.
Filed October 4, 1922. Serial No. 170,277. PUBLISHED MARCH 27, 1923.

169,801. BAKING POWDER. REQUA BROS., Cold Spring Harbor, N. Y.
Filed October 17, 1922. Serial No. 170,833. PUBLISHED MARCH 27, 1923.

169,802. HAIR RESTORER. JAMES RACHEL SMITH, Dayton, Ohio.
Filed August 24, 1922. Serial No. 168,652. PUBLISHED MARCH 13, 1923.

169,803. MALT EXTRACT. FALSTAFF CORPORATION, St. Louis, Mo.
Filed April 6, 1922. Serial No. 161,831. PUBLISHED APRIL 3, 1923.

169,804. PHOTOGRAPHIC, PROJECTING, AND OPTICAL LENSES. MARIUS H. TROMBA, doing business as Paramount Lens Corporation, Brooklyn, N. Y.
Filed April 14, 1922. Serial No. 162,327. PUBLISHED APRIL 10, 1923.

169,805. METAL PIPE NIPPLES. CHICAGO NIPPLE MANUFACTURING CO., Chicago, Ill.
Filed May 8, 1922. Serial No. 163,502. PUBLISHED APRIL 10, 1923.

169,806. CHEMICAL USED IN THE BRAZING AND WELDING OF METALS. HARDWICK-HUTCHINS MANUFACTURING COMPANY, Chattanooga, Tenn.
Filed May 20, 1922. Serial No. 164,163. PUBLISHED MARCH 13, 1923.

169,807. COAL. THE VICTOR-AMERICAN FUEL COMPANY, Portland, Me., and Denver, Colo.
Filed May 24, 1922. Serial No. 164,472. PUBLISHED APRIL 3, 1923.

169,808. COAL. THE VICTOR-AMERICAN FUEL COMPANY, Portland, Me., and Denver, Colo.
Filed May 24, 1922. Serial No. 164,476. PUBLISHED APRIL 3, 1923.

169,809. POMADE FOR THE SCALP AND HAIR. VAIL BROTHERS, Philadelphia, Pa.
Filed June 5, 1922. Serial No. 165,048. PUBLISHED MARCH 13, 1923.

169,810. INK ERADICATOR. GUILD PRODUCTS CORPORATION, Philadelphia, Pa.
Filed June 15, 1922. Serial No. 165,544. PUBLISHED MARCH 13, 1923.

169,811. PERFUMES. GEORGE YORITA, doing business as The Bela Company, Los Angeles, Calif.
Filed July 8, 1922. Serial No. 166,617. PUBLISHED MARCH 6, 1923.

169,812. ICE CREAM. PHILLIP SMOLINSKY, doing business as Parkview Pharmacy, Kansas City, Mo.
Filed July 10, 1922. Serial No. 166,725. PUBLISHED APRIL 3, 1923.

169,813. DECOLORIZING CHARCOAL FOR USE FOR MINERAL AND VEGETABLE OILS. VEREINEČR CHEMISCHE UND METALLURGISCHE PRODUKTION, Aussig, Czechoslovakia.
Filed July 25, 1922. Serial No. 167,372. PUBLISHED MARCH 13, 1923.

169,814. SOLE LEATHER IN THE SIDE, IN BACKS, IN BENDS, AND IN BEND HEARTS. C. G. FLECKENSTEIN CO., Muskegon, Mich.
Filed July 26, 1922. Serial No. 167,386. PUBLISHED APRIL 3, 1923.

169,815. LINK BELTS. VICTORY V BELT CO., Catasauqua, Pa.
Filed August 2, 1922. Serial No. 167,744. PUBLISHED APRIL 10, 1923.

169,816. COAL. KING COAL COMPANY, San Francisco, Calif.
Filed August 8, 1922. Serial No. 167,966. PUBLISHED APRIL 3, 1923.

169,817. ANTISEPTIC CAPSULES FOR WOMEN AND ANTISEPTIC LINIMENT FOR GENERAL PAINS. ARTHUR R. HIATT, Stockport, Iowa.
Filed August 9, 1922. Serial No. 167,982. PUBLISHED MARCH 6, 1923.

169,818. FRESH CITROUS FRUITS. REDLAND CITRUS GROWERS ASSOCIATION, Homestead, Fla.
Filed August 10, 1922. Serial No. 168,068. PUBLISHED APRIL 3, 1923.

169,819. CANNED PINEAPPLE. HAWAIIAN PINEAPPLE COMPANY, LTD., Honolulu, Territory of Hawaii, and San Francisco, Calif.
Filed August 11, 1922. Serial No. 168,109. PUBLISHED APRIL 3, 1923.

169,820. READY-PREPARED CERAMIC GLASSES AND ENAMELS. THE VITRO MANUFACTURING COMPANY, Pittsburgh, Pa.
Filed August 23, 1922. Serial No. 168,625. PUBLISHED APRIL 3, 1923.

169,821. FUEL INTENSIFIER AND CARBON REMOVER. CERTIFIED LABORATORIES, INC., Newark, N. J.
Filed August 24, 1922. Serial No. 168,632. PUBLISHED MARCH 13, 1923.

169,822. METAL-WORKING SMALL TOOLS. THE CLEVELAND TWIST DRILL COMPANY, Cleveland, Ohio.
Filed January 9, 1923. Serial No. 174,358. PUBLISHED APRIL 10, 1923.

169,823. WRAPPING PAPER. GEO. W. MILLAR & CO. INC., New York, N. Y.
Filed January 8, 1923. Serial No. 174,319. PUBLISHED MARCH 27, 1923.

169,824. FLOOR COVERINGS. SALEM MANUFACTURING COMPANY, Salem, N. J., and New York, N. Y., assignor to Congoleum Company, Inc., Philadelphia, Pa., a Corporation of New York.
Filed January 3, 1923. Serial No. 174,153. PUBLISHED APRIL 3, 1923.

169,825. READY-MIXED AND PASTE PAINTS, VARNISHES, AND PAINT ENAMELS. ENTERPRISE PAINT MFG. CO., Chicago, Ill.
Filed December 30, 1922. Serial No. 174,001. PUBLISHED APRIL 3, 1923.

169,826. CERTAIN NAMED MEDICAL AND SURGICAL APPLIANCES. EISELE & CO., Nashville, Tenn.
Filed December 29, 1922. Serial No. 173,959. PUBLISHED APRIL 3, 1923.

169,827. FOUNTAIN COMBS CAPABLE OF CONTAINING A LIQUID FOR PASSAGE THROUGH THE HAIR. CAPITOLA TONIC COMB CO., New York, N. Y.
Filed December 18, 1922. Serial No. 173,463. PUBLISHED APRIL 3, 1923.

169,828. MALT EXTRACTS. HENNING WENNERSTEN INCORPORATED, Chicago, Ill.
Filed December 16, 1922. Serial No. 173,422. PUBLISHED APRIL 3, 1923.

169,829. READY-MIXED PAINT AND PAINT THINNER. THE BARRETT COMPANY, New York, N. Y.
Filed December 13, 1922. Serial No. 173,269. PUBLISHED APRIL 3, 1923.

169,830. WALL SIZE IN DRY POWDER FORM. THE MURALO COMPANY, New York and New Brighton, N. Y.
Filed December 11, 1922. Serial No. 173,201. PUBLISHED APRIL 3, 1923.

169,831. PHARMACEUTICAL PREPARATIONS FOR NERVOUS DISEASES, SEXUAL APATHY, AND OBESITY. THE PHOSPHO-ALBUMEN COMPANY, INCORPORATED, Newburgh, N. Y.
Filed December 9, 1922. Serial No. 173,146. PUBLISHED MARCH 13, 1923.

169,832. PASTES AND POWDERS FOR BEAUTIFYING AND PRESERVING THE TEETH, SKIN, AND HAIR, AND PERFUMERY. PARFUMERIE ROGER ET GALLET, Paris, France.
Filed December 9, 1922. Serial No. 173,141. PUBLISHED MARCH 20, 1923.

169,833. BATING MATERIAL USED IN TANNING LEATHER. MOSER & CO., INC., New York, N. Y.
Filed December 8, 1922. Serial No. 173,101. PUBLISHED APRIL 3, 1923.

169,834. MEDICINAL PREPARATION ACTING AS A SYSTEM CLEANSER AND REGULATOR. ALEXANDER W. CHAPPELL, doing business as Dr. R. H. Kline Co., Red Bank, N. J.
Filed December 7, 1922. Serial No. 173,030. PUBLISHED MARCH 6, 1923.

169,835. PHARMACEUTICAL PREPARATION FOR CERTAIN PURPOSES. THE PHOSPHO-ALBUMEN COMPANY, INC., Newburgh, N. Y.
Filed December 6, 1922. Serial No. 173,005. PUBLISHED MARCH 6, 1923.

169,836. DISINFECTANT AND DEODORIZER. B. HELLER & COMPANY, Chicago, Ill.
Filed December 6, 1922. Serial No. 172,991. PUBLISHED MARCH 13, 1923.

169,837. CHEMICAL PREPARATION FOR CERTAIN NAMED PURPOSES. B. HELLER & COMPANY, Chicago, Ill.
Filed December 6, 1922. Serial No. 172,989. PUBLISHED MARCH 6, 1923.

169,838. DYES AND DYESTUFFS. THE GRASSELLI CHEMICAL COMPANY, Cleveland, Ohio.
Filed December 6, 1922. Serial No. 172,987. PUBLISHED MARCH 6, 1923.

169,839. DYES AND DYESTUFFS. THE GRASSELLI CHEMICAL COMPANY, Cleveland, Ohio.
Filed December 6, 1922. Serial No. 172,986. PUBLISHED APRIL 3, 1923.

169,840. COUGH MEDICINE. THE WYKOFF COMPANY, Wheeling, W. Va.
Filed December 5, 1922. Serial No. 172,964. PUBLISHED MARCH 13, 1923.

169,841. PHARMACEUTICAL AND MEDICINAL PREPARATIONS FOR TREATING ANIMALS. SHORES-MUELLER COMPANY, Cedar Rapids, Iowa.
Filed December 5, 1922. Serial No. 172,962. PUBLISHED MARCH 13, 1923.

169,842. CERTAIN NAMED TOILET PREPARATIONS. RE-AL-JO PRODUCTS COMPANY, Waterloo, Iowa.
Filed December 5, 1922. Serial No. 172,959. PUBLISHED MARCH 13, 1923.

169,843. CERTAIN NAMED TOILET PREPARATIONS. ALICE L. LYNCH, doing business as Alice-Louise Co., New York, N. Y.
Filed December 5, 1922. Serial No. 172,950. PUBLISHED MARCH 13, 1923.

169,844. TOILET PREPARATION FOR SOFTENING AND WHITENING CHAPPED AND ROUGH SKIN. KANDERS PHARMACAL CO., New York, N. Y.
Filed December 4, 1922. Serial No. 172,882. PUBLISHED MARCH 13, 1923.

169,845. CERTAIN NAMED TOILET PREPARATIONS. LIGHTFOOT SCHULTZ COMPANY, Hoboken, N. J.
Filed December 5, 1922. Serial No. 172,947. PUBLISHED MARCH 13, 1923.

169,846. JAR RUBBERS. JOANNES BROS. CO., Green Bay, Wis.
Filed December 4, 1922. Serial No. 172,880. PUBLISHED APRIL 3, 1923.

169,847. BLUING, LAUNDRY STARCH, BAKING POWDER, AND LYE. JOANNES BROS. CO., Green Bay, Wis.
Filed December 4, 1922. Serial No. 172,879. PUBLISHED MARCH 13, 1923.

169,848. CITRATE OF MAGNESIA. THE H. E. FREES CO., Chicago, Ill.
Filed December 4, 1922. Serial No. 172,871. PUBLISHED MARCH 13, 1923.

169,849. PNEUMATIC TIRE CASINGS MADE OF RUBBER COMBINED WITH FABRIC. THE B. F. GOODRICH COMPANY, New York, N. Y.
Filed November 24, 1922. Serial No. 172,472. PUBLISHED APRIL 3, 1923.

169,850. COFFEE-BAG SUPPORTS AS USED IN COFFEE URNS. JOHANNES TH. PEDERSEN, New York, N. Y.
Filed November 23, 1922. Serial No. 172,432. PUBLISHED APRIL 10, 1923.

169,851. RAILWAY TRACK MATERIAL AND MISCELLANEOUS CASTINGS AND FORGINGS. RAMAPO AJAX CORPORATION, New York, N. Y.
Filed November 22, 1922. Serial No. 172,395. PUBLISHED APRIL 10, 1923.

169,852. MEDICINAL HERB PREPARATION USED AS A GENERAL TONIC. WING LEE WAI COMPANY, San Francisco, Calif.
Filed November 20, 1922. Serial No. 172,304. PUBLISHED MARCH 6, 1923.

169,853. FUNGICIDE, SEED DISINFECTANT, AND GENERAL DISINFECTANT. E. I. DU PONT DE NEMOURS & COMPANY, Wilmington, Del.
Filed November 20, 1922. Serial No. 172,263. PUBLISHED MARCH 13, 1923.

169,854. PREPARATION FOR THE TREATMENT OF THE EYES. LYMAN A. STINSON, doing business as P. & S. Laboratories, Sandwich, Ill.
Filed November 18, 1922. Serial No. 172,243. PUBLISHED MARCH 6, 1923.

169,855. MEDICINAL PREPARATION FOR THE TREATMENT OF TOOTHACHE AND PYORRHEA. ALBERT A. SCHWERIN, Sr., Kingman, Ariz.
Filed November 16, 1922. Serial No. 172,124. PUBLISHED MARCH 6, 1923.

169,856. COMBINATION WOODWORKING MACHINES FOR SAWING, BORING, PLANING, JOINTING, AND OTHER OPERATIONS. HUTCHINSON MANUFACTURING CO., INC., Norristown, Pa.
Filed November 16, 1922. Serial No. 172,094. PUBLISHED APRIL 10, 1923.

169,857. A PURIFYING DEODORANT FOR MOUTH AND STOMACH. MAYBREATH COMPANY, Chicago, Ill.
Filed November 15, 1922. Serial No. 172,050. PUBLISHED MARCH 13, 1923.

169,858. HYDRAULIC GATES. ERNEST L. BROOME, New York, N. Y.
Filed November 15, 1922. Serial No. 172,028. PUBLISHED APRIL 10, 1923.

169,859. FUR SKINS. NORTH AMERICAN FUR DYEING CO., Newark, N. J.
Filed November 13, 1922. Serial No. 171,883. PUBLISHED APRIL 3, 1923.

169,860. A MEDICINE USED AS A CALMANT AND ANTISPASMODIC. SOCIETE DES PRODUITS CHIMIQUES SPECIAUX BREVETS LUMIERE, Lyon, France.
Filed November 10, 1922. Serial No. 171,821. PUBLISHED MARCH 20, 1923.

169,861. AN INSECTICIDE AND DISINFECTING DEODORANT. THEODORE MEYER, Philadelphia, Pa.
Filed November 8, 1922. Serial No. 171,738. PUBLISHED MARCH 20, 1923.

169,862. TABLE AND BED LINEN. M. G. GUERRA CO. INC., New York, N. Y.
Filed February 9, 1923. Serial No. 175,786. PUBLISHED APRIL 3, 1923.

169,863. DENTAL CEMENT, ETC. THE W. V-B. AMES COMPANY, Fremont, Ohio.
Filed February 8, 1923. Serial No. 175,696. PUBLISHED APRIL 3, 1923.

169,864. COTTON PIECE GOODS. PACIFIC MILLS, Lawrence and Boston, Mass.
Filed February 7, 1923. Serial No. 175,677. PUBLISHED APRIL 3, 1923.

169,865. NONMETALLIC PNEUMATIC TIRES AND INNER TUBES. GLOBE RUBBER TIRE MANUFACTURING CO., Trenton, N. J.
Filed February 5, 1923. Serial No. 175,589. PUBLISHED APRIL 3, 1923.

169,866. OPHTHALMIC MOUNTINGS AND PARTS THEREOF. STEVENS & COMPANY, INC., Providence, R. I.
Filed January 27, 1923. Serial No. 175,224. PUBLISHED APRIL 10, 1923.

169,867. POMADES FOR THE HAIR. STANDARD LABORATORIES, INC., Los Angeles, Calif.
Filed January 27, 1923. Serial No. 175,222. PUBLISHED MARCH 13, 1923.

169,868. TRACTORS. CLARK TRUCTRACTOR COMPANY, Buchanan, Mich.
Filed January 26, 1923. Serial No. 175,135. PUBLISHED APRIL 10, 1923.

169,869. PETROLEUM GREASE. THE ATLANTIC REFINING COMPANY, Philadelphia, Pa.
Filed January 20, 1923. Serial No. 174,814. PUBLISHED MARCH 20, 1923.

169,870. BEAKER TONGS. EIMER & AMEND, New York, N. Y.
Filed January 17, 1923. Serial No. 174,691. PUBLISHED APRIL 10, 1923.

169,871. TOY VEHICLES. ADVANCE MANUFACTURING CO., St. Louis, Mo.
Filed January 17, 1923. Serial No. 174,684. PUBLISHED APRIL 3, 1923.

169,872. PAINTS AND PAINTERS' MATERIALS. BAKER PAINT & VARNISH CO., Jersey City, N. J.
Filed January 15, 1923. Serial No. 174,605. PUBLISHED APRIL 3, 1923.

169,873. PAINT ENAMELS. BAKER PAINT & VARNISH CO., Jersey City, N. J.
Filed January 15, 1923. Serial No. 174,604. PUBLISHED APRIL 3, 1923.

169,874. CERTAIN NAMED TOOLS, KNIVES, AND MACHINES. SMITH & HEMENWAY COMPANY, INC., New York, N. Y., and Irvington, N. J.
Filed December 10, 1919. Serial No. 125,806. PUBLISHED NOVEMBER 9 1920.

169,875. FURNITURE AND UPHOLSTERY. WILLIAM LAWRENCE & CO., LIMITED, Colwick, England.
Filed July 14, 1920. Serial No. 134,969. PUBLISHED APRIL 3, 1923.

169,876. MEDICINAL TABLETS FOR USE AS A GENERAL TONIC. GERHARD FRIEDRICH SCHMIDT, doing business as Fabrik Pharmacia M. Schmidt & Co., Munich, Germany.
Filed September 10, 1920. Serial No. 137,033. PUBLISHED MARCH 6, 1923.

169,877. A LIQUOR OR LIQUID PREPARATION CONTAINING MALT. COLEMAN AND COMPANY LIMITED, Norwich, England.
Filed December 11, 1920. Serial No. 140,917. PUBLISHED APRIL 3, 1923.

169,878. LOCKING DEVICE FOR AUTOMOBILES THAT FUNCTIONS BY ENGAGING THE FLYWHEEL THROUGH THE TRANSMISSION. WRIGHT ACCESSORIES CORPORATION, Atlanta, Ga.
Filed October 5, 1920. Serial No. 137,984. PUBLISHED APRIL 12, 1921.

169,879. FACE POWDERS, FACE BLEACHES, AND LIQUID FACE ROUGE. CHARLES WEBB GODEFROY, St. Louis, Mo.
Filed January 27, 1921. Serial No. 142,840. PUBLISHED JUNE 14, 1921.

169,880. CERTAIN NAMED LINGERIE TRIMMING, FANCY BRAIDS, AND RICKRACK BRAID. MARSHALL FIELD & COMPANY, Chicago, Ill.
Filed April 22, 1921. Serial No. 146,534. PUBLISHED FEBRUARY 21, 1922.

169,881. NECKTIES, CRAVATS, AND SCARFS, HATS, AND CAPS. THE COLLEGIAN, Minneapolis, Minn.
Filed June 11, 1921. Serial No. 148,973. PUBLISHED APRIL 3, 1923.

169,882. TABLETS FOR CERTAIN NAMED DISEASES. SHIRO NAKAMURA, Los Angeles, Calif.
Filed October 3, 1921. Serial No. 153,686. PUBLISHED MARCH 13, 1923.

169,883. CERTAIN NAMED CHEMICAL AND PHARMACEUTICAL PREPARATIONS. JOHN SEXTON AND COMPANY, Chicago, Ill.
Filed October 3, 1921. Serial No. 153,696. PUBLISHED MARCH 6, 1923.

169,884. MEDICINAL OILS FOR USE AS AN INTESTINAL LUBRICANT. LISLE W. NEISWENDER, doing business as Creme-Petrol Company, Columbus, Ohio.
Filed October 28, 1921. Serial No. 154,700. PUBLISHED MARCH 13, 1923.

169,885. HAIR TONIC. DIXIE LABORATORIES, Atlanta, Ga.
Filed October 12, 1921. Serial No. 154,015. PUBLISHED NOVEMBER 28, 1922.

169,886. CERTAIN NAMED MEDICINAL PREPARATIONS. UNITED RETAIL CHEMISTS CORPORATION, New York, N. Y.
Filed October 29, 1921. Serial No. 154,773. PUBLISHED MARCH 13, 1923.

169,887. GREASELESS HAIR DRESSING AND TONIC. VIRGIL LEE, Toronto, Ontario, Canada.
Filed November 14, 1921. Serial No. 155,353. PUBLISHED MARCH 6, 1923.

169,888. PISTON PINS. LLOYD BISSELL, doing business as Star Piston Pin Co., Buffalo, N. Y.
Filed November 16, 1921. Serial No. 155,427. PUBLISHED MAY 16, 1922.

169,889. BITUMINOUS COAL. THE MAYNARD COAL COMPANY, Columbus, Ohio.
Filed January 20, 1922. Serial No. 158,191. PUBLISHED APRIL 3, 1923.

169,890. DRESS SHIELDS. EMPIRE SHIELD CO., New York, N. Y.
Filed February 14, 1922. Serial No. 159,308. PUBLISHED MARCH 27, 1923.

169,891. FURNITURE AND AUTOMOBILE POLISH. VILLER & PROST, Paris, France.
Filed February 16, 1922. Serial No. 159,449. PUBLISHED APRIL 3, 1923.

169,892. FLAVORINGS AND EXTRACTS USED FOR FOOD-FLAVORING PURPOSES ONLY. THE ARTHUR L. LEECH CO., Kennebunk, Me.
Filed March 18, 1922. Serial No. 160,889. PUBLISHED APRIL 3, 1923.

169,893. AN OUTFIT OF SURGICAL AND DENTAL APPLIANCES. WILL J. CAMERON, doing business as Cameron's Surgical Specialty Co., Chicago, Ill.
Filed March 20, 1922. Serial No. 160,928. PUBLISHED MARCH 27, 1923.

169,894. AN INSECTICIDE. THEODORE MEYER, Philadelphia, Pa.
Filed November 8, 1922. Serial No. 171,737. PUBLISHED MARCH 20, 1923.

169,895. AN INSECTICIDE. THEODORE MEYER, Philadelphia, Pa.
Filed November 8, 1922. Serial No. 171,736. PUBLISHED MARCH 20, 1923.

169,896. A PREPARATION FOR EXTERMINATING RODENTS AND VERMIN. THEODORE MEYER, Philadelphia, Pa.
Filed November 8, 1922. Serial No. 171,735. PUBLISHED MARCH 20, 1923.

169,897. AN ANT-POISONING COMPOUND. THEODORE MEYER, Philadelphia, Pa.
Filed November 8, 1922. Serial No. 171,734. PUBLISHED MARCH 20, 1923.

169,898. WOOL OIL. STANDARD OIL COMPANY, Whiting, Ind., and Chicago, Ill.
Filed November 6, 1922. Serial No. 171,665. PUBLISHED MARCH 13, 1923.

169,899. A GALLSTONE MEDICINE. WILLIAM E. MCALLISTER, doing business as Dewma Company, South Bend, Ind.
Filed November 4, 1922. Serial No. 171,585. PUBLISHED MARCH 13, 1923.

169,900. WATER-SOFTENING COMPOUND. JOHN J. BUCZKOWSKI, doing business as Hoosier Cleanser Mfg. Co., South Bend, Ind.
Filed November 4, 1922. Serial No. 171,571. PUBLISHED FEBRUARY 27, 1923.

169,901. LINIMENT. IRA CONNOLLY, doing business as Empire Chemical Co., Hanna, W. Va.
Filed November 2, 1922. Serial No. 171,485. PUBLISHED MARCH 13, 1923.

169,902. ACCELERATORS, FILLERS, PIGMENTS, SOFTENERS, SOLVENTS, AND LIKE MATERIALS USED IN THE COMPOUNDING OF RUBBER ARTICLES. THE RUBBER SERVICE LABORATORIES COMPANY, Akron, Ohio.
Filed November 1, 1922. Serial No. 171,469. PUBLISHED FEBRUARY 27, 1923.

169,903. LINIMENT. JAMES G. HARRIS, doing business as Harris Chemical Company, Duluth, Minn.
Filed October 30, 1922. Serial No. 171,358. PUBLISHED MARCH 6, 1923.

169,904. LOCKING DOOR HANDLES. BERSTED MANUFACTURING COMPANY, Chicago, Ill.
Filed October 23, 1922. Serial No. 171,060. PUBLISHED APRIL 3, 1923.

169,905. VOILE IN THE PIECE. MAX SCHWARZ TEXTILE CORPORATION, New York, N. Y.
Filed October 16, 1922. Serial No. 170,795. PUBLISHED MARCH 27, 1923.

169,906. PURE WHITE LEAD. THE EAGLE PICHER LEAD COMPANY, Cincinnati, Ohio.
Filed October 16, 1922. Serial No. 170,757. PUBLISHED APRIL 3, 1923.

169,907. FACE LOTION. JESSE W. MAYO, Osage City, Kans.
Filed October 14, 1922. Serial No. 170,722. PUBLISHED MARCH 6, 1923.

169,908. SHAMPOO POWDER. THE EVAN WILLIAMS COMPANY LIMITED, London, England
Filed October 14, 1922. Serial No. 170,715. PUBLISHED MARCH 6, 1923.

169,909. TOILET PREPARATIONS. JEAN BOSSARD, doing business as Institut de Beaute Castiglione, Paris, France.
Filed October 12, 1922. Serial No. 170,618. PUBLISHED MARCH 6, 1923.

169,910. A PERFUMED ADDITION FOR THE BATH. THE C. S. WELCH COMPANY, New York, N. Y.
Filed October 11, 1922. Serial No. 170,599. PUBLISHED MARCH 13, 1923.

169,911. PALLIATIVE FOR VENEREAL DISEASES. DOMINICK ROMEO, Paterson, N. J.
Filed October 7, 1922. Serial No. 170,449. PUBLISHED MARCH 6, 1923.

169,912. INSECTICIDES. SAMUEL C. SLATTERY, Port Angeles, Wash.
Filed October 6, 1922. Serial No. 170,408. PUBLISHED MARCH 6, 1923.

169,913. CHOCOLATES AND CANDIES. E. GREENFIELD'S SONS, New York and Brooklyn, N. Y.
Filed October 6, 1922. Serial No. 170,377. PUBLISHED APRIL 3, 1923.

[ACT OF MARCH 19, 1920, SEC. 1 (b)].

THESE REGISTRATIONS ARE NOT SUBJECT TO OPPOSITION.

169,914. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) LEO R. MCDEVITT, Pawtucket, R. I. Filed Sept. 12, 1921. Serial No. 152,854.

RIGHT OF WAY

Particular description of goods.—Visible Traffic Signals for Motor Vehicles.
Claims use since Jan. 1, 1921.

169,915. (CLASS 19. VEHICLES, NOT INCLUDING ENGINES.) ANTHONY COMPANY, Streator, Ill. Filed Nov. 18, 1921. Serial No. 165,538.



The lining on drawing has no significance and is not intended to denote color.
Particular description of goods.—Vehicle Bodies and Parts.
Claims use since Jan. 1, 1920.

169,916. (CLASS 15. OILS AND GREASES.) THE KANSAS-TEXAS PETROLEUM CO., Wichita, Kans. Filed Dec. 8, 1921. Serial No. 156,451.



Particular description of goods.—Lubricating and Heat, Light, and Power Producing Oils, and Gasoline.
Claims use since Nov. 1, 1921.

169,917. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) THE SCOTT & FETZER COMPANY, Cleveland, Ohio. Filed Jan. 9, 1922. Serial No. 157,693.

EVER-READY

Particular description of goods.—Carpet Sweepers.
Claims use since Nov. 19, 1921.

169,918. (CLASS 34. HEATING, LIGHTING, AND VENTILATING APPARATUS. NOT INCLUDING ELECTRICAL APPARATUS.) THE FOX FURNACE COMPANY, Elyria, Ohio. Filed Jan. 28, 1922. Serial No. 158,570.

SUNBEAM

Particular description of goods.—Coal Furnaces.
Claims use since Nov. 8, 1920.

169,919. (CLASS 34. HEATING, LIGHTING, AND VENTILATING APPARATUS, NOT INCLUDING ELECTRICAL APPARATUS.) HUNT-LASHER COMPANY, INC., Lynn, Mass. Filed Apr. 12, 1922. Serial No. 162,174.

SELFBLO

Particular description of goods.—Alcohol Torches.
Claims use since on or about Nov. 1, 1921.

169,920. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) NATIONAL TWIST DRILL & TOOL COMPANY, Detroit, Mich. Filed Apr. 29, 1922. Serial No. 163,104.

PARABOLIC

Particular description of goods.—Milling Cutters.
Claims use since Apr. 14, 1922.

169,921. (CLASS 26. MEASURING AND SCIENTIFIC APPLIANCES.) CHAS. CORY & SON, INC., New York, N. Y. Filed June 14, 1922. Serial No. 165,652.



Particular description of goods.—Ship's Mechanical Telegraph Transmitter-Indicator Equipment.
Claims use since January, 1919.

169,922. (CLASS 12. CONSTRUCTION MATERIALS.) THOMAS L. BENSON, doing business as Shreveport Chemical Company, Shreveport, La. Filed Nov. 2, 1922. Serial No. 171,483.

SET FAST

Particular description of goods.—Material Used to Hasten the Setting and Lower the Freezing Point of Cement.
Claims use since May 1, 1922.

169,923. (CLASS 9. EXPLOSIVES, FIREARMS, EQUIPMENTS, AND PROJECTILES.) THE FEDERAL CARTRIDGE CORPORATION, Minneapolis, Minn. Filed Nov. 16, 1922. Serial No. 172,087.

HI-POWER

Particular description of goods.—Shotgun Shells and Cartridges.
Claims use since on or about Sept. 1, 1915.

169,924. (CLASS 3. BAGGAGE, HORSE EQUIPMENTS, PORTFOLIOS, AND POCKETBOOKS.) HIRSCHFELDER & MEANEY, San Francisco, Calif. Filed Dec. 19, 1922. Serial No. 173,568.



Particular description of goods.—Baggage—Namely, Trunks; Suit, Brief, and Sample Cases; Hand and Traveling Bags, Grips, Automobile Trunks, and Suitcases.
Claims use since June, 1920.

169,925. (CLASS 35. BELTING, HOSE, MACHINERY PACKING, AND NONMETALLIC TIRES.) J. A. SENAUER MFG. CO. INC., New York, N. Y. Filed Dec. 30, 1922. Serial No. 174,035.

MAKE THE TIGHT LINE STAY

Particular description of goods.—Rubber Double-Seat Compression and Self-Closing Cushions; Rubber, Leather, Fiber, and All Nonmetallic Washers; All Packings, Rubber Fuller Balls, Rubber Ball-Cock Cushions and Washers, Leather Ball-Cock Cups, All Gaskets, Leather Hydrant Sets, Rubber Plunger Rings, Rubber Elbows and Straight Connections with and without Fixtures, Rubber Tubing, and Pump Leathers.
Claims use for not less than one year.

169,926. (CLASS 1. RAW OR PARTLY-PREPARED MATERIALS.) BROADUS J. HEAD, doing business as American Plant Company, Alma, Ga. Filed Feb. 27, 1923. Serial No. 176,679.

AMERICAN PLANT CO.

Particular description of goods.—Potato Plants, Cabbage Plants, Tomato Plants, Strawberry Plants, Asparagus Plants, and Sweet Potatoes.
Claims use since Feb. 1, 1921.

169,927. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) CECIL HOWARD LAMBERT, Buffalo, N. Y. Filed Feb. 5, 1923. Serial No. 175,561.

"SURE GRIP"

Particular description of goods.—Adjustable Device for Opening and Closing Fruit Jars and Containers.
Claims use since Aug. 29, 1916.

169,928. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) TUXEDO SHIRT CO., INC., New York, N. Y. Filed Feb. 28, 1923. Serial No. 176,770.

Duro

Particular description of goods.—Silk Piece Goods.
Claims use since Jan. 1, 1922.

169,929. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) INDIANAPOLIS ABATTOIR COMPANY, Indianapolis, Ind. Filed Mar. 13, 1923. Serial No. 177,382.

"INDIANAPOLIS"

Particular description of goods.—Ham, Shoulder, Sausage, Bacon, Tongues, Dried Beef, Jowls, Butts, and Lard.
Claims use since 1902.

169,930. (CLASS 25. LOCKS AND SAFES.) CHICAGO THRIFT COMPANY, Chicago, Ill. Filed Apr. 4, 1923. Serial No. 178,552.

MONEY BARREL

Particular description of goods.—Portable Banks.
Claims use since July 1, 1921.

169,931. (CLASS 12. CONSTRUCTION MATERIALS.) THE ACORN REFINING COMPANY, Cleveland, Ohio. Filed Apr. 6, 1923. Serial No. 178,653.

NUROOF

Particular description of goods.—Waterproofing Compound for Building Roofs.
Claims use since January, 1910.

169,932. (CLASS 2. RECEPTACLES.) ANDREW A. KRAMER, doing business as Columbian Steel Tank Company, Kansas City, Mo. Filed Apr. 13, 1923. Serial No. 179,106.

RED BOTTOM

Particular description of goods.—Sheet-Metal Tanks.
Claims use since Mar. 1, 1922.

169,933. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) MARSHALL FIELD & COMPANY, Chicago, Ill. Filed Apr. 23, 1923. Serial No. 179,525.

PHOENICIAN CLOTH

Particular description of goods.—Sateen in the Piece.
Claims use since Mar. 1, 1920.

169,934. (CLASS 4. ABRASIVE, DETERGENT, AND POLISHING MATERIALS.) THE OWL DRUG COMPANY, San Francisco, Calif. Filed Mar. 20, 1922. Serial No. 160,966.

Make-Nu

Particular description of goods.—Canvas-Shoe Dressing and Cleaner.
Claims use since about May 1, 1917.

169,935. (CLASS 22. GAMES, TOYS, AND SPORTING GOODS.) ASHAWAY LINE & TWINE MANUFACTURING COMPANY, Ashaway, R. I. Filed May 12, 1922. Serial No. 163,726.



Particular description of goods.—Fishing Lines.
Claims use since 1904.

169,936. (CLASS 4. ABRASIVE, DETERGENT, AND POLISHING MATERIALS.) LUCKEL, KING & CAKE SOAP COMPANY, Portland, Oreg. Filed July 3, 1922. Serial No. 166,458.

STEAM REFINED

Particular description of goods.—Laundry Soap.
Claims use since about Jan. 1, 1909.

169,937. (CLASS 39. CLOTHING.) SANBORN WEATHERWEAR COAT CO. INC., New York, N. Y. Filed July 28, 1922. Serial No. 167,537.

Sanborn's

Particular description of goods.—Coats, Capes, Mantles, and Raincoats Made of Cloth, Rubberized or Cravenetted Material.
Claims use since Jan. 1, 1912.

169,938. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) E. DALTROFF & CIE., doing business as Parfumerie Caron, Paris, France, assignor to Caron Corporation, a Corporation of New York. Filed Dec. 27, 1922. Serial No. 173,879.

le Narcisse Blanc

Particular description of goods.—Perfume, Toilet Water, Rouges, Face Powder, Talcum Powder, Brilliantine, Sachet Powder, and Dentifrices.
Claims use since Dec. 1, 1912.

169,939. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) TUXEDO SHIRT CO., INC., New York, N. Y. Filed Feb. 28, 1923. Serial No. 176,771.

Premier

Particular description of goods.—Silk Piece Goods and Crêpe Silk Piece Goods.
Claims use since Jan. 1, 1922.

169,940. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) C. PERCEVAL, New York, N. Y. Filed Mar. 3, 1923. Serial No. 176,915.

MILLERAND

Particular description of goods.—Canned Soups, Truffles, Cherries, and Turtle Meat.
Claims use since about 1910.

169,941. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) THE PINE BALM COMPANY, Shady Dale, Ga. Filed Mar. 7, 1923. Serial No. 177,105.

PINE BALM

Particular description of goods.—An Antiseptic Oil for All Pains, Old or New Sores, Cuts, Burns, Bruises, Sprains, Chapped Lips, Rheumatism, Backache, Influenza, Colds, Asthma, Pneumonia, Coughs, Suppressed Menstruation, Indigestion, Gallstone, Kidney Trouble, Piles, Toothache, Headache, Sore Throat, and Cramps.
Claims use since Mar. 1, 1922.

169,942. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) ALBERT W. KNOX, Los Angeles, Calif. Filed Mar. 10, 1923. Serial No. 177,345.

Citrus Salts

Particular description of goods.—Laxative Powders.
Claims use since on or about Jan. 1, 1918.

169,943. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) L. CHESTER HUNT, Orange, Mass. Filed Mar. 15, 1923. Serial No. 177,490.

Fernwood

Particular description of goods.—Candy.
Claims use since Dec. 15, 1921.

169,944. (CLASS 15. OILS AND GREASES.) DEALERS SUPPLY COMPANY, Indianapolis, Ind. Filed May 7, 1923. Serial No. 180,274.

Long Life

Particular description of goods.—Motor Oil.
Claims use since Dec. 10, 1920.

169,945. (CLASS 15. OILS AND GREASES.) SHELL COMPANY OF CALIFORNIA, San Francisco, Calif. Filed May 1, 1923. Serial No. 180,029.

PUENTE

Particular description of goods.—Gasoline.
Claims use since Jan. 1, 1913.

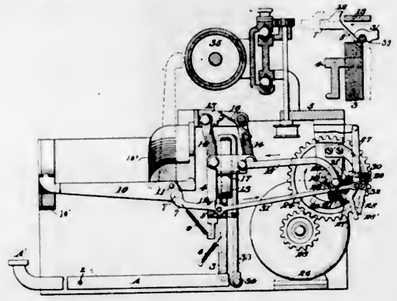
TRADE-MARK REGISTRATIONS RENEWED.

19,480. POCKET CUTLERY AND RAZORS. Registered May 12, 1891. THE CANTON CUTLERY CO. Renewed May 12, 1921, to The Canton Cutlery Company, Canton, Ohio, a Corporation of Ohio, assignee.

REISSUES.

JULY 3, 1923.

15,640. POWER TYPEWRITER. MANSFIELD C. CRAWLEY, Rutherford, N. J., assignor to Addograph Company, Los Angeles, Calif., a Corporation of California. Filed Sept. 25, 1917. Serial No. 193,212. Original application filed Oct. 28, 1911, Serial No. 657,311. Divided and application filed Dec. 17, 1912, Serial No. 737,225. Original No. 1,156,061, dated Oct. 12, 1915. 51 Claims. (Cl. 197—17.)



1. The combination with a series of type bars and a bank of key levers, of a reciprocating bar for actuating the type bars, spring means for advancing the bar, a rotary motor, and means operable by said motor to retract the bar.

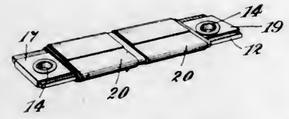
15,641. ARTIFICIAL FRUIT AND METHOD OF PRODUCING SAME. JAMES H. EMERY, Inwood Park, N. Y. Filed May 23, 1923. Serial No. 641,013. Original No. 1,436,024, dated Nov. 21, 1922, Serial No. 439,584, filed Jan. 24, 1921. 15 Claims. (Cl. 41—13.)



1. The method of producing a hollow imitation of an object which consists of charging a multiple part mold of the object with a temporarily-fluid composition, next imparting a gyratory movement to the mold until the composition has solidified, next removing the resultant casting from the mold, then applying color to the surface of the casting and thereafter dipping the colored casting in temporarily-fluid transparent wax whereby a thin protective coating adheres to the surface of the casting, and then abrading the protective coating with powdered pumice.

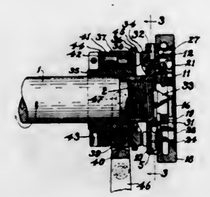
15,642. ELECTRIC CONDENSER. CHARLES F. SMITH and WILLIAM H. SMITH, Brooklyn, N. Y. Filed Oct. 13, 1922. Serial No. 594,391. Original No. 1,395,931, dated Nov. 1, 1921, Serial No. 382,090, filed May 17, 1920. 15 Claims. (Cl. 250—11.)

7. An electric condenser comprising a wrapping of metal foils and of flexible dielectric interposed between said foils, a relatively stiff body the ends of which project beyond said wrapping, conducting leads which extend from said foils adjacent to said ends of the body, and which are folded over said ends so that each



lead will have layers on opposite sides of the respective body end, and securing means extending through said body ends and through both layers of the respective folded leads.

15,643. LATHE CHUCK. JOHN J. THACHER, Wethersfield, Conn., assignor to Pratt & Whitney Company, New York, N. Y., a Corporation of New Jersey. Filed Apr. 6, 1923. Serial No. 630,410. Original No. 1,446,075, dated Feb. 20, 1923, Serial No. 473,373, filed May 28, 1921. 64 Claims. (Cl. 82—40.)



1. A work driving chuck comprising the combination of a plurality of work engaging jaws, an element adapted to engage the end surfaces of the jaws so that they may be oscillated substantially about such surfaces as a fulcrum, a driving element, and means operatively connecting the driving element to the jaws to drive the work.

30. A work driving chuck comprising the combination of a driving member, a plurality of work engaging jaws, means mounted on the driving member and operatively connected to the jaws, means for setting the jaws in any one of a plurality of definite positions radially of the chuck whereby to adapt the same to operate on work pieces of different diameters, means normally closing the jaws, means for opening the jaws against the action of the last mentioned means during the rotation of the chuck, and means holding the jaws entered relative to the chuck when the jaws are in either a closed or an open position but permitting the jaws to have a slight radial floating action when the jaws are in an intermediate position.

50. A work driving chuck comprising the combination of an outer element, an inner element therein, a plurality of work engaging jaws, the jaws being operatively connected to both elements, means for supporting and rotating the chuck, spring means normally operative to rotate the outer element in the forward direction relative to the inner element and thereby close the jaws inwardly to the work, means for retarding the rotation of the outer element to open the jaws, and means whereby the jaws may be adjusted radially for driving different sized work.

DESIGNS.

JULY 3, 1923.

62,598. WRIST-WATCH CASING. GUSTAVE BASTHEIM, Pittsburgh, Pa. Filed Feb. 16, 1922. Serial No. 735. Term of patent 3½ years.



The ornamental design for a wrist watch casing, as shown.

62,599. SHOE HEEL. FRANK BERENSTEIN, Chelsea, Mass., assignor to Panther Rubber Manufacturing Company, Stoughton, Mass., a Corporation of Massachusetts. Filed Dec. 23, 1922. Serial No. 4,701. Term of patent 14 years.



The ornamental design for a shoe heel as shown.

62,600. TEXTILE FABRIC. JOHN S. BOYD and THOMAS F. BOYD, Williamstown, Mass., assignors to John S. Boyd Co. Inc., Williamstown, Mass., a Corporation of Massachusetts. Filed Dec. 12, 1922. Serial No. 4,571. Term of patent 14 years.



The ornamental design for a textile fabric, as shown.

62,601. TEXTILE FABRIC. JOHN S. BOYD and THOMAS F. BOYD, Williamstown, Mass., assignors to John S. Boyd Co. Inc., Williamstown, Mass., a Corporation of Massachusetts. Filed Dec. 12, 1922. Serial No. 4,573. Term of patent 14 years.

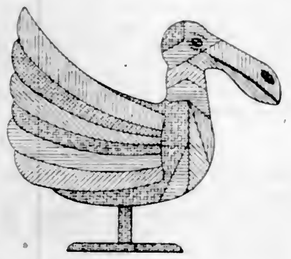


The ornamental design for a textile fabric, as shown.

62,602. TEXTILE FABRIC. JOHN S. BOYD and THOMAS F. BOYD, Williamstown, Mass., assignors to John S. Boyd Co. Inc., Williamstown, Mass., a Corporation of Massachusetts. Filed Jan. 9, 1923. Serial No. 4,842. Term of patent 14 years.

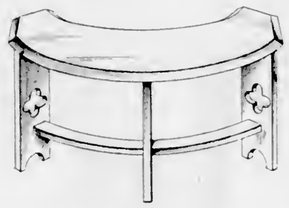
The ornamental design for a textile fabric, as shown.

62,603. TOY. HARRY P. BRAISTED, Woodmont, Conn., assignor to The John Hugo Manufacturing Company, New Haven, Conn., a Corporation of Connecticut. Filed Jan. 13, 1923. Serial No. 4,880. Term of patent 7 years.



The ornamental design for a toy, substantially as shown and described.

62,604. FOOT REST. JULIA WATSON DE SHIELDS, Riverdale-on-Hudson, N. Y. Filed Aug. 19, 1922. Serial No. 3,460. Term of patent 7 years.



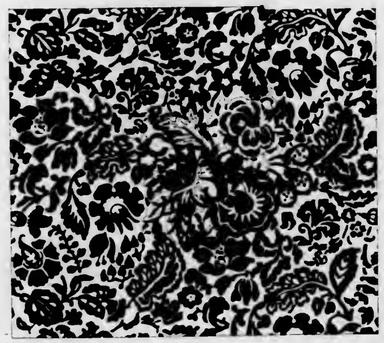
The ornamental design for a foot rest as shown.

62,605. RECEPTACLE FOR FLOWERS. CARRIE D. DUDLEY, Chicago, Ill. Filed Aug. 31, 1922. Serial No. 3,602. Term of patent 3½ years.



The ornamental design for a receptacle for flowers, as shown.

62,606. TEXTILE FABRIC. EMILE ERICSON, Pelham, and ROGER WEISS, New York, N. Y., assignors to The Pennsylvania Textile Mills Inc., Glenriddle, Pa., a Corporation of Pennsylvania. Filed Dec. 22, 1922. Serial No. 4,658. Term of patent 3½ years.



The ornamental design for a textile fabric, substantially as shown.

62,607. TEXTILE FABRIC. GUSTAVE M. FAUSER, Ardsley, N. Y., assignor to The Pennsylvania Textile Mills Inc., Glenriddle, Pa., a Corporation of Pennsylvania. Filed Dec. 22, 1922. Serial No. 4,683. Term of patent 3½ years.



The ornamental design for a textile fabric, substantially as shown.

62,608. TEXTILE FABRIC. GUSTAVE M. FAUSER, Ardsley, N. Y., assignor to The Pennsylvania Textile Mills Inc., Glenriddle, Pa., a Corporation of Pennsylvania. Filed Dec. 22, 1922. Serial No. 4,684. Term of patent 3½ years.



The ornamental design for a textile fabric, substantially as shown.

62,609. TEXTILE FABRIC. GUSTAVE M. FAUSER, Ardsley, N. Y., assignor to The Pennsylvania Textile Mills Inc., Glenriddle, Pa., a Corporation of Pennsylvania. Filed Dec. 22, 1922. Serial No. 4,686. Term of patent 3½ years.



The ornamental design for a textile fabric, substantially as shown.

62,610. TEXTILE FABRIC. GUSTAVE M. FAUSER, Ardsley, N. Y., assignor to The Pennsylvania Textile Mills Inc., Glenriddle, Pa., a Corporation of Pennsylvania. Filed Dec. 22, 1922. Serial No. 4,691. Term of patent 3½ years.



The ornamental design for a textile fabric, substantially as shown.

62,611. HARD CANDY CONFECTION. ALAN HOCHSTRASER, Denver, Colo. Filed Jan. 8, 1923. Serial No. 4,836. Term of patent 7 years.



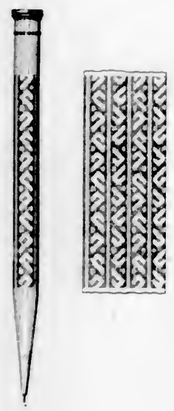
The ornamental design for hard candy confection as shown.

62,612. MESH BAG. JOHN FRANCES KILLION, Norfolk, Mass., assignor to Whiting Chain Company, a Corporation of Massachusetts. Filed Aug. 29, 1922. Serial No. 3,591. Term of patent 7 years.



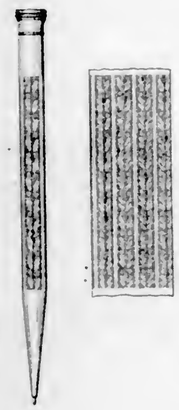
The ornamental design for a mesh bag as shown.

62,613. PEN OR PENCIL CASE. FRANK J. KRISTOFEK, St. Paul, Minn., assignor to Brown & Bigelow, St. Paul, Minn., a Corporation of Minnesota. Filed Jan. 30, 1922. Serial No. 447. Term of patent 14 years.



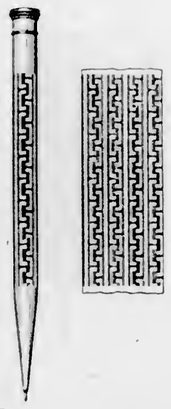
The ornamental design for a pen or pencil case as shown.

62,614. PEN OR PENCIL CASE. FRANK J. KRISTOFEK, St. Paul, Minn., assignor to Brown & Bigelow, St. Paul, Minn., a Corporation of Minnesota. Filed Jan. 30, 1922. Serial No. 448. Term of patent 14 years.



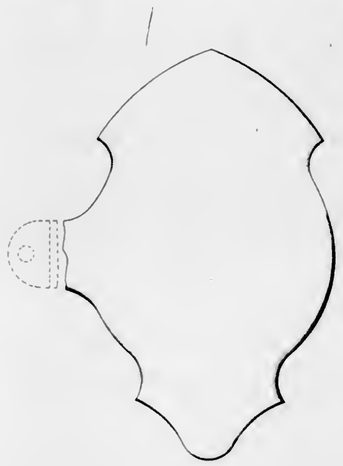
The ornamental design for a pen or pencil case as shown.

62,615. PEN OR PENCIL CASE. FRANK J. KRISTOFEK, St. Paul, Minn., assignor to Brown & Bigelow, St. Paul, Minn., a Corporation of Minnesota. Filed Jan. 30, 1922. Serial No. 449. Term of patent 14 years.



The ornamental design for a pen or pencil case as shown.

62,616. NAME PLATE FOR GASOLINE-DISPENSING APPARATUS. WILLIAM CLARE MACMILLEN, Rochester, Pa. Filed Jan. 4, 1922. Serial No. 35. Term of patent 3½ years.



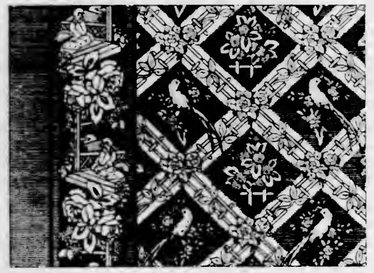
The ornamental design for a name plate for gasoline dispensing apparatus, as shown.

62,617. TEXTILE FABRIC. JAMES W. MCCREEDY, New York, N. Y., assignor to Max Kaufmann & Company, Inc., New York, N. Y., a Corporation of New York. Filed Jan. 20, 1923. Serial No. 4,955. Term of patent 14 years.



The ornamental design for a textile fabric, as shown.

62,618. TEXTILE FABRIC. JAMES W. MCCREEDY, New York, N. Y., assignor to Max Kaufmann & Company, Inc., New York, N. Y., a Corporation of New York. Filed Jan. 20, 1923. Serial No. 4,956. Term of patent 14 years.



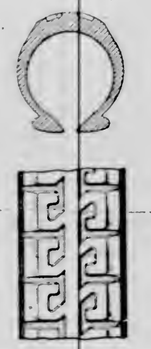
The ornamental design for a textile fabric, as shown.

62,619. TEXTILE FABRIC. JAMES W. MCCREEDY, New York, N. Y., assignor to Max Kaufmann & Company, Inc., New York, N. Y., a Corporation of New York. Filed Jan. 20, 1923. Serial No. 4,957. Term of patent 14 years.



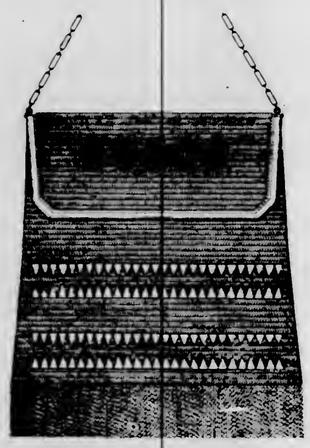
The ornamental design for a textile fabric, as shown.

62,620. TIRE. WALTER N. RAACH and CLINTON E. SHURTLIFFE, Greenville Borough, Pa., assignors to The Shenango Tire & Rubber Company, Greenville, Pa., a Corporation of Delaware. Filed Aug. 13, 1920. Serial No. 403,403. Term of patent 3½ years.



The ornamental design for a tire, substantially as shown.

62,621. MESH BAG. HARRY BRADLEY ROWAN, North Attleboro, Mass., assignor to Whiting & Davis Company, a Corporation of Massachusetts. Filed July 14, 1922. Serial No. 3,082. Term of patent 7 years.



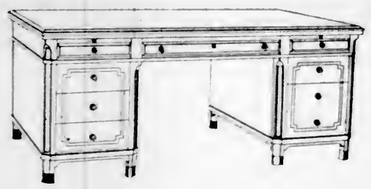
The ornamental design for a mesh bag as shown.

62,622. MESH BAG. HARRY BRADLEY ROWAN, North Attleboro, Mass., assignor to Whiting & Davis Company, a Corporation of Massachusetts. Filed July 28, 1922. Serial No. 3,228. Term of patent 7 years.



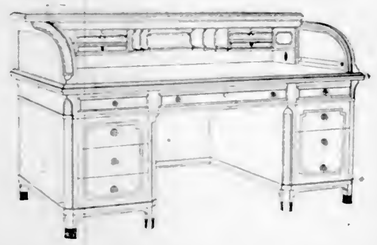
The ornamental design for a mesh bag as shown.

62,623. DESK. ALFRED H. STRINGE, Chicago, Ill., assignor to Commercial Furniture Company, Chicago, Ill. Filed Jan. 26, 1922. Serial No. 369. Term of patent 7 years.



The ornamental design for a desk, as shown.

62,624. DESK. ALFRED H. STRINGE, Chicago, Ill., assignor to Commercial Furniture Company, Chicago, Ill. Filed Jan. 26, 1922. Serial No. 370. Term of patent 7 years.



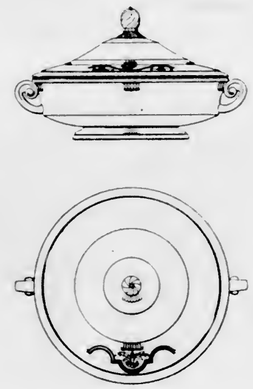
The ornamental design for a desk, as shown.

62,625. FIRE FAN. RICHARD CLIPSTON STURGIS, Boston, Mass. Filed Apr. 5, 1922. Serial No. 1,548. Term of patent 14 years.



The ornamental design for a fire fan, as shown.

62,626. DISH. JULES H. VENON, New York, N. Y. Filed Oct. 31, 1922. Serial No. 4,174. Term of patent 7 years.



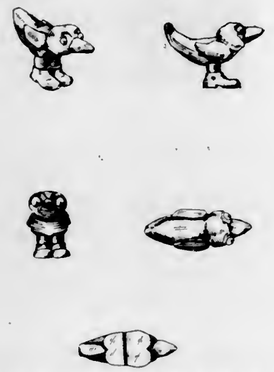
The ornamental design for a dish as shown.

62,627. CUP. JULES H. VENON, New York, N. Y. Filed Oct. 31, 1922. Serial No. 4,175. Term of patent 7 years.



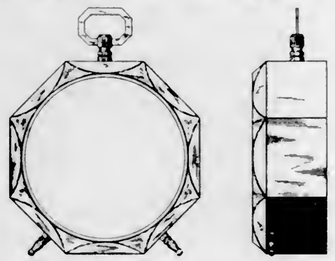
The ornamental design for a cup, as shown.

62,628. WATCH CHARM, PENDANT, OR SIMILAR ARTICLE. FRANK R. WENTWORTH, Russell, Kans. Filed Oct. 18, 1921. Serial No. 508,624. Term of patent 3½ years.



The ornamental design for a watch charm, pendant, or similar article as shown.

62,629. CLOCK CASE. RICHARD HENRY WHITEHEAD, New Haven, Conn., assignor to New Haven Clock Co., New Haven, Conn., a Corporation. Filed Mar. 7, 1923. Serial No. 5,388. Term of patent 14 years.

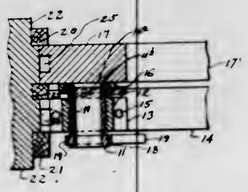


The ornamental design for a clock-case as shown.

PATENTS

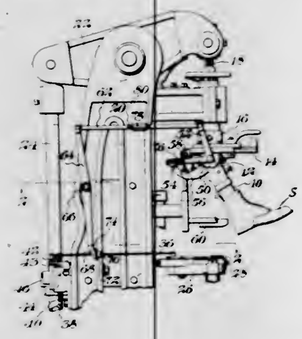
GRANTED JULY 3, 1923.

1,460,361. MEANS FOR SECURING WINDOW SASHES IN POSITION. ISRAEL BENJAMINS, Brooklyn, N. Y. Filed Mar. 15, 1921. Serial No. 452,457. 3 Claims. (Cl. 292—155.)



1. In a means for securing window sashes in position a tubular member terminating at the inner end thereof in a prism, a thread of a suitable pitch on the exterior of said member, a nut adapted to fit said thread, and to be secured to the inner sash a handle having therein a prismatic opening whereby it may be detachably connected to said member and adapted to turn the same through part of a revolution and to cooperate with said thread and nut to advance said member, by its motion through a part of a revolution, and to cause it to bear against the outer sash.

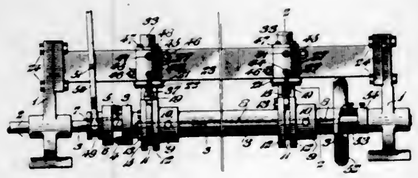
1,460,362. ACTUATING MECHANISM FOR WORK SUPPORTS. JOHN M. BENJAMIN, Beverly, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J., a Corporation of New Jersey. Filed Mar. 11, 1919. Serial No. 281,930. 27 Claims. (Cl. 1—32.)



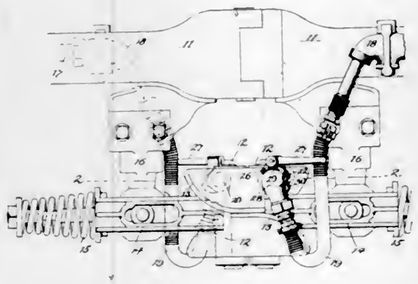
1. A machine of the class described comprising supports for the work movable in different directions, and means arranged to move one of the supports from another support in the movement of the latter and in one direction only.

1,460,363. VALVE MECHANISM FOR GLASS MACHINES. ALBERT R. BETHEL, Minotola, N. J., assignor to Illinois Glass Company, Bridgeton, N. J., a Corporation of Illinois. Filed Feb. 4, 1921. Serial No. 442,347. 2 Claims. (Cl. 137—144.)

2. A valve attachment comprising standards, a driven shaft journalled in said standards, an intake manifold for live motive fluid carried by said standards, a clutch sleeve loosely mounted on said shaft, a plurality of cam supports adjustable on said clutch sleeve, cam members circumferentially adjustable on said cam support, a manually actuated clutch collar carried by said shaft to control the rotation of said clutch sleeve, and a plurality of independent valve mechanisms in communication with said manifold and carried thereby and operatively connected with said cam members to be controlled by them.



1,460,364. TRAIN-PIPE CONNECTOR. HENRY F. BICKEL, Plainfield, N. J., assignor to The New York Air Brake Company, a Corporation of New York. Filed Feb. 2, 1921. Serial No. 441,861. 4 Claims. (Cl. 285—58.)

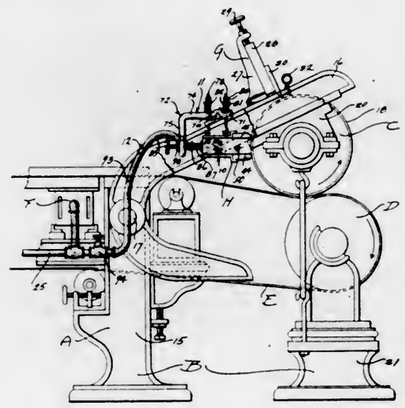


1. The combination of a train-pipe; a hose connected thereto at one of its ends; a train-pipe hose coupling connected to the other end of said hose; an automatic connector head; and swiveled clamping means on said head for releasably connecting said train pipe hose coupling thereto to establish communication between said head and pipe.

1,460,365. APPARATUS FOR CONDITIONING COUCH ROLLS. HUGH BOYLE, Brooklyn, N. Y. Filed May 6, 1922. Serial No. 558,910. 18 Claims. (Cl. 92—47.)

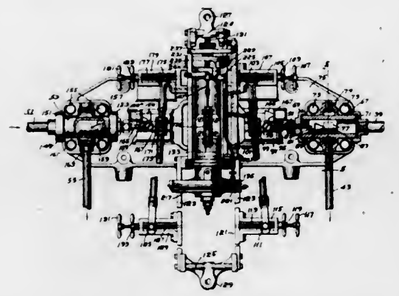
1. In a paper making machine, the combination with a couch roll having yieldable paper contacting material

thereon, of suction means exteriorly acting on the paper contacting surface of said material.



17. In a couch roll conditioning apparatus, the combination of liquid spray means for the pulp sheet contacting surface of said couch roll, scraping means for said surface, and pneumatic drying means for said surface.

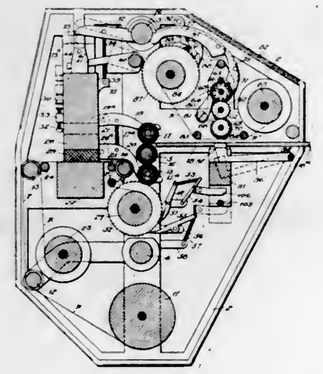
1,460,366. APPARATUS FOR REGULATING COMBUSTION. FRANCIS H. BROWN, Glen Olden, Pa., assignor to Petroleum Heat and Power Company, Boston, Mass., a Corporation of Delaware. Filed Mar. 8, 1920. Serial No. 364,048. 8 Claims. (Cl. 238—8.)



1. In a regulating apparatus, the combination of a burner, means to supply oil and steam thereto including valves, a support for said valves, a sliding frame upon said support, pressure controlled means for imparting sliding movement to said frame, bars adjustably mounted upon said frame one for connection with the oil valve and the other for connection with the steam valve, and means for adjusting said bars to different inclination upon the frame to vary the movement imparted to the valves upon sliding movement of the frame.

8. In a regulating apparatus, the combination of a burner, means to supply oil and steam thereto including valves, a sliding frame, an operating connection between the frame and oil valve, an operating connection between the frame and steam valve, a pressure controlled motor for imparting movement to the frame to actuate the valves, and means for indicating the adjustment of the valves comprising imitation valves actuated by the valve adjusting means to reproduce the valve adjustment.

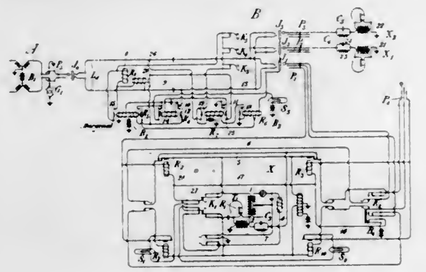
1,460,367. PUMP-CONTROLLED RECORDING APPARATUS. WESLEY T. COLLINS and CLAUDE B. ADAMS, Colorado Springs, Colo., assignors to The A. C. Gas Register Company, Colorado Springs, Colo., a Corporation of Colorado. Filed Jan. 19, 1917. Serial No. 143,340. 16 Claims. (Cl. 234—34.)



1. In a pump-controlled recording apparatus, the combination of a printing mechanism, mechanism for feeding a strip of material to said printing mechanism, and a main operating element adapted to be operatively connected with a pump and having operating connections with the printing and strip feeding mechanism, said operating element adapted, when the pump is operated to discharge a predetermined unit quantity of liquid, to operate the printing and strip feeding mechanisms, causing thereby feeding of the strip of material and printing of the same each time a measured unit quantity of liquid is discharged.

14. In a recording fluid dispensing apparatus the combination with the record strip thereof, of means for printing quantity denoting marks upon said strip only during the discharge of fluid therefrom.

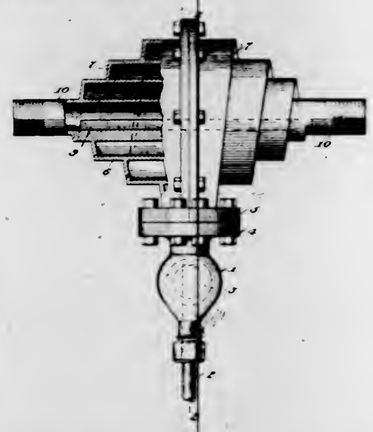
1,460,368. ELECTRIC SIGNALING SYSTEM. LEO H. DARROW, New York, N. Y., assignor to American Telephone and Telegraph Company, a Corporation of New York. Filed Jan. 30, 1920. Serial No. 355,173. 2 Claims. (Cl. 179—49.)



1. In a signaling system, the combination with a line circuit terminating in a plurality of multicontact jacks, of a marginal relay having one winding effectively connected with the sleeve contacts of the jacks at one end of said line circuit, a cord circuit having a supervisory signal and a source of current also connected with the sleeve contacts of the said jacks to which the said marginal relay is connected, whereby the said relay may be

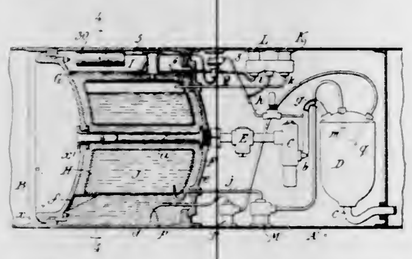
locked up, a plurality of other cord circuits having busy-test branches connected with the tip conductors thereof, the electrical constants of which branches are so proportioned as to prevent the release of the said marginal relay when a predetermined number of busy tests are simultaneously made.

1,460,369. MIXING CHAMBER FOR FLUID-FUEL BURNERS. GEORGES A. DE GUIRE, Montreal, Quebec, Canada. Filed Sept. 21, 1922. Serial No. 589,613. 9 Claims. (Cl. 48—180.)



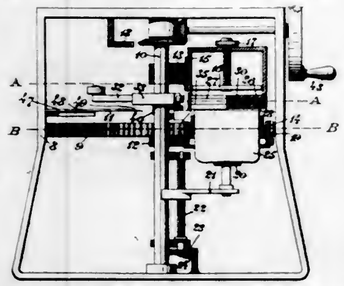
6. A gas mixing chamber comprising two elements each coiled concentrically and spirally upon itself to produce concentric chambers of the same radial depth throughout and each a continuation of the preceding one, those of one element being extended in an opposite direction longitudinally relatively to those of the other, means for connecting said elements so that the coils of one become continuations of the coils of the other, means for delivering fluid fuel to the outer coils of said chambers and means for delivering fluid fuel from the innermost coils thereof.

1,460,370. AIR-LEAK VENT FOR TORPEDOES. WILLIAM DIETER, Newark, N. J. Filed Aug. 4, 1922. Serial No. 579,667. 7 Claims. (Cl. 114—20.)



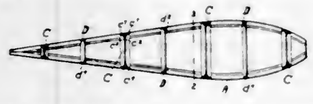
1. In a torpedo having a liquid compartment and means for venting gaseous pressure therefrom having a vent outlet at the normally upper part of such compartment, the combination therewith of means for excluding liquid from said outlet in case of such rolling of the torpedo as would submerge such outlet, comprising a chamber communicating with said outlet having restricted communication with the compartment.

1,460,371. MACHINE FOR PREPARING BUTTERED BREAD. LAUE FREDERIK JOHANNES DIXEN, Frederiksberg, near Copenhagen, Denmark. Filed May 27, 1920. Serial No. 384,674. 9 Claims. (Cl. 91—14.)



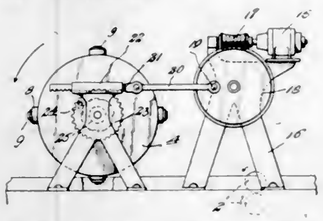
1. A machine for slicing and buttering bread, comprising a butter container, a butter discharging mechanism in the container, a bread holder beneath the container, means for advancing bread in the holder, a stationary slicing knife, and means for rotating the bread holder along the knife and simultaneously actuating the butter discharging mechanism.

1,460,372. HOLLOW SHEET-METAL STRUCTURE. CLAUDIUS DORNIER, Friedrichshafen, Germany, assignor of one-half to Dornier-Metallbauten, Gesellschaft mit beschränkter Haftung, Friedrichshafen, Germany. Filed June 28, 1920. Serial No. 392,541. 9 Claims. (Cl. 244—30.)



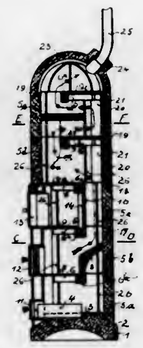
3. In a hollow metallic structure in combination, a sheet metal mantle and a plurality of longitudinal trusses formed of open channelled rods and annular cross-frames of substantially angular section connected with said mantle to form a plurality of coherent closed hollow sections.

1,460,373. FEEDING MECHANISM FOR TIN-PLATE-LITHOGRAPHING MACHINES. CHARLES FINIGAN, Gibsonia, Pa. Filed May 27, 1922. Serial No. 564,258. 3 Claims. (Cl. 271—36.)



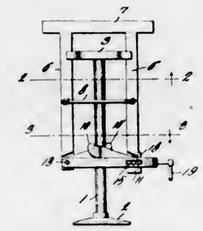
1. In feeding mechanism, the combination with a magazine and a stack of tin plates therein, of a drum rotatably mounted above said magazine, magnets radiating from said drum and spaced apart equal distances around the drum and adapted to be disposed above the plates successively in the rotation of the drum, means for rotating the drum, means for energizing each magnet as it reaches the position above the plates, so that the topmost plate may be drawn to the magnet and removed from the magazine in the rotation of the drum, said drum rotating means comprising a motor and connections between said motor and drum whereby the drum may be rotated in a step by step manner.

1,460,374. STOVE. HANS FUNKE, Zittau, Germany. Filed Nov. 13, 1922. Serial No. 600,712. 4 Claims. (Cl. 126—58.)



1. A stove for rooms and the like, comprising members, forming each an entire layer, having a horizontal wall and being adapted to be placed one upon the other or others and of which at least three have a lateral recess affording access to the ash-space, the fire-space, and at least one warming space, in combination with a water basin arranged in the top stove-member; a covering plate for said basin, said plate forming the bottom of a warming space located above the basin in an upper stove member, as set forth.

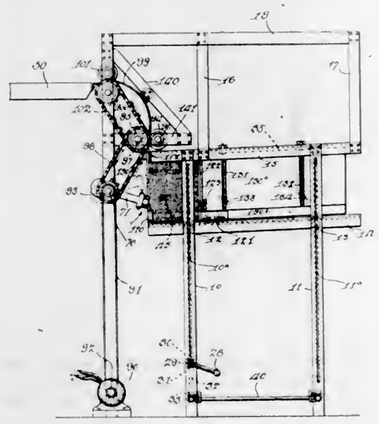
1,460,375. SELF-LOCKING SHORE. ARTHUR A. GRONROS, Pontiac, Mich. Filed Nov. 12, 1920. Serial No. 423,529. 1 Claim. (Cl. 248—3.)



In an adjustable shore including a column, a base secured to the lower end of the column, a top member slidably associated with the column toward and away from the base including a head block and depending hangers, and a grip means associated with the lower ends of the hangers for engaging the column, means for releasing the grip members including a U-shaped band having parallel legs pivotally connected to one hanger and a curved connecting portion embracing the other hanger, a slot and pin connection between said legs and the last mentioned hanger, and an adjustable member carried by the curved connecting portion for engaging the last mentioned hanger.

1,460,376. PAPER-SHEET-FEEDING MACHINE. FRANK R. HARTMAN, Chicago, Ill. Filed Sept. 30, 1920. Serial No. 413,859. 4 Claims. (Cl. 271—39.)

1. The combination in a paper feeding machine of a magazine adapted to receive a plurality of sheets in an approximately vertical position, the said mechanism comprising a fixed top member, a bottom member held in spaced relation and approximately parallel to said top member, means for adjusting the relation of said bottom member to said top member, a paper guide at the forward or delivery end of said magazine, a paper wiping or feeding device consisting of a resilient cushion carried at the free end of an arm moving at an angle to the plane of the foremost sheet in the magazine, a pair of impinging rolls located immediately above the sheet guiding means in the magazine whereby to receive a single sheet elevated by the feeding means from



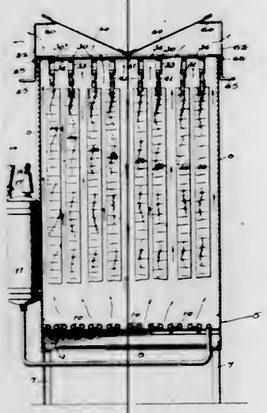
the delivery end of the magazine, a curved guide adjacent the said impinging feed rolls adapted to receive the forward edge of a sheet fed therefrom and to deflect the same from a substantially vertical to a substantially horizontal position, a second pair of impinging feed rolls adapted to receive the forward edge of a sheet from the delivery end of said curved guide member and to feed the same therefrom in a substantially horizontal position, and means for operating said impinging rolls and said paper feeding or wiping device in substantial synchronism.

1,460,377. AUTOMOBILE ALARM SYSTEM. HARRY C. HAY, Newport, Ky., assignor of one-half to William C. Buten, Newport, Ky. Filed Feb. 3, 1922. Serial No. 533,073. 16 Claims. (Cl. 116—33.)



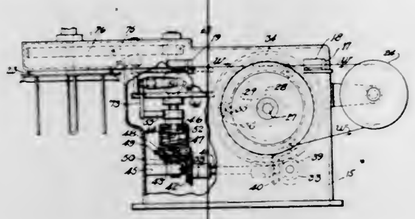
2. In an automobile alarm signal, a bell housing having perforations therein, a guard plate secured therein in spaced apart relation from the walls of said bell housing, a cover plate having sound perforations therein and a guard plate secured to said cover plate in spaced apart relation therefrom and from the walls of said housing, a bell within said housing, a lock casing having a recess therein, a slidable lock mounted therein and means connected to said lock and to said bell respectively, whereby said bell is held in non-alarm sounding position when the lock bolt is disengaged and in sound alarm position when the bolt is in locked engagement with said recess.

1,460,378. FILM DRIER. JOHN W. HICKS, Madison, Wis., and WALTER W. HICKS, Washington, D. C. Filed Nov. 9, 1921. Serial No. 514,002. 11 Claims. (Cl. 34—40.)



1. A drier for films comprising a casing, rods arranged therein, and racks slidable on said rods and having means for gripping articles, said article gripping means being slidably supported by said rods.

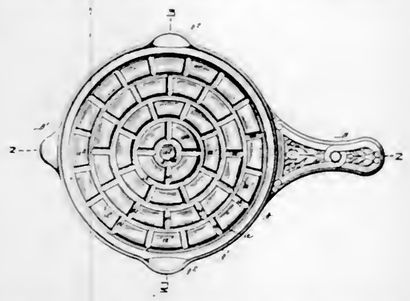
1,460,379. CONTINUOUS WIRE-DRAWING MACHINE. JAMES A. HORTON, Worcester, Mass. Filed Oct. 25, 1921. Serial No. 510,291. 16 Claims. (Cl. 205—14.)



1. In a continuous wire drawing machine, a source of power, two dies arranged in series, two drums each of which is arranged to draw wire through one of said dies, differential gearing connected with said two drums and the source of power, respectively, a third die, a third drum to draw the wire through said third die, a yielding connection between the source of power and said third drum, and means operated in consequence of the relative movement of said yielding connection for regulating the speed of said third drum, whereby to prevent slip of the wire on the first two drums.

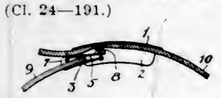
1,460,380. FRYING PAN. HIRAM C. HUGHES, Boston, Mass. Filed Feb. 20, 1922. Serial No. 537,775. 1 Claim. (Cl. 53—7.)

A frying pan having a continuous, imperforate flooring comprising supports having cooking sufraces of considerable extent and a series of gutters located between said supports to catch the drippings from the articles being cooked, the under sides of said supports being recessed whereby they will form pockets to hold the heat from the fire, and the upper or cooking surfaces of said supports being formed concave so as to be adapted to



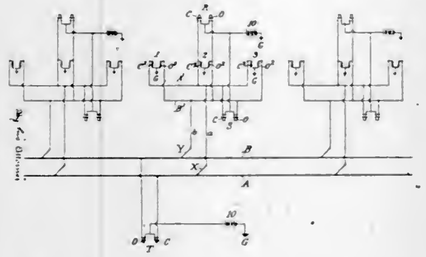
receive and hold small amounts of grease drippings to prevent articles which are being cooked from sticking to the extended cooking surfaces.

1,460,381. BUCKLE. ERNEST NELSON HUMPHREY, New Britain, Conn. Filed Sept. 1, 1922. Serial No. 585,607. 8 Claims. (Cl. 24—191.)



1. In a buckle, a front plate, a second plate pivotally connected to the back of the front plate and spaced apart therefrom, a third plate pivotally connected adjacent the free end of the second plate, with means co-acting with said second plate to secure the buckle fixedly to one end of a belt, a movable cam adjacent the free end of said third plate and carried thereby and located adjacent to the pivotal portion of said second plate when in operative position.

1,460,382. DOOR ENGINE CONTROL. LEE P. HYNES, Albany, N. Y., assignor to Consolidated Car-Heating Company, Albany, N. Y., a Corporation of West Virginia. Filed Feb. 28, 1920. Serial No. 362,163. 18 Claims. (Cl. 105—341.)

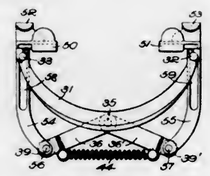


1. The combination with the door-operating circuits on two or more cars of a train, of a local external train line extending along the said two or more cars and contacts connecting the said train line with the said circuits.

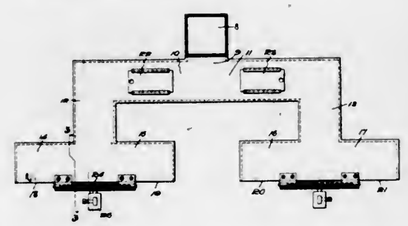
1,460,383. LUBRICATING SYSTEM AND APPARATUS. WALTER M. S. KILGOUR, Lexington, Mass. Filed May 28, 1921. Serial No. 473,449. 9 Claims. (Cl. 64—35.)

1. A support for a lubricating pad comprising a frame for holding the pad in contact with the shaft to be

lubricated, pivoted leg means extending below said frame for holding the pad in said frame against the shaft, and resilient means urging said leg means into frame-elevating position when below the pivot on which said legs are mounted and holding said legs in general conformity to the ends of said frame when above said pivot.

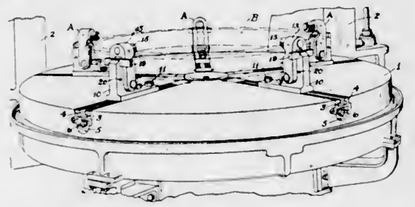


1,460,384. MATERIAL-HANDLING APPARATUS. WILLIAM S. KINSLEY, Reading, Mass., assignor to The Russell Company, Boston, Mass., a Corporation of Massachusetts. Filed Jan. 5, 1920. Serial No. 349,511. 7 Claims. (Cl. 302—11.)



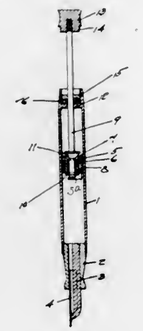
1. Apparatus adapted to feed wool stock to a feeder of the type used for a carding machine comprising, in combination, a conduit for carrying air blast driven stock, means for forcing a blast of air through said conduit and dischare means for said conduit providing a plurality of discharge openings substantially greater in combined area than the area of a cross-section of said conduit, whereby the stock is distributed in substantially uniform volume from the various openings with a final velocity very materially lower than its velocity through the conduit.

1,460,385. TIRE CLAMP. RAYMOND F. LACE, Columbus, Ohio, assignor to Niles-Bement-Pond Company, New York, N. Y., a Corporation of New Jersey. Filed July 8, 1920. Serial No. 394,613. 4 Claims. (Cl. 82—4.)



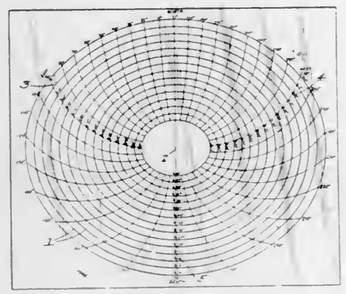
1. A tire clamp comprising in combination a main bracket adapted to be secured to a machine table or face plate, and a work-engaging toothed jaw carried by the bracket and eccentrically pivoted for movement about an axis normally parallel to the surface of the table or face plate and perpendicular to the line of movement of the table or face plate, the said pivoted jaw being positioned to engage the surface of the work opposite to the table or face plate.

1,460,386. SELF-FILLING PEN. HYMAN LEWINSON, Erie, Pa. Filed Apr. 13, 1922. Serial No. 552,236. 3 Claims. (Cl. 120—47.)



1. In a self-filling pen, the combination of a barrel; a plunger in the barrel; a valve acting on the plunger; a stem extending from the valve to without the plunger; and means co-acting with the stem for moving the valve to open position through either rotative or axial movement of the stem relatively to the plunger.

1,460,387. STAR IDENTIFICATION PROTRACTOR. JOHN JAMES MCCRACKEN, Norfolk, Va. Filed July 16, 1920. Serial No. 396,832. 4 Claims. (Cl. 33—1.)

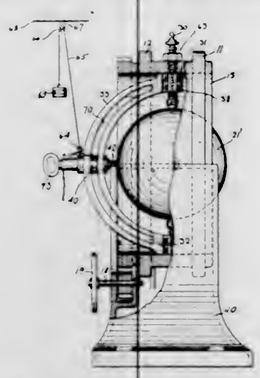


1. A star identification protractor for use in connection with star charts, comprising a transparent plate provided with ellipses and intersecting curves, said curves radiating from the center of the protractor, the ellipses and curves representing the shape and relative positions of the imaginary altitude circles and azimuth curves of the earth's sphere, stereographically projected on the plane of the Equator from any zenith.

1,460,388. STONE-SUSPENSION DEVICE. JOHN E. MALKIN, New York, N. Y. Filed Apr. 26, 1922. Serial No. 556,664. 5 Claims. (Cl. 125—10.)

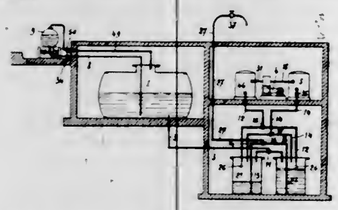
1. A machine of the character described, comprising a rotatable drum open on its sides, a tool holder at-

tached to said drum, means for rotating said drum, means for holding a tool in said holder, means for hold-



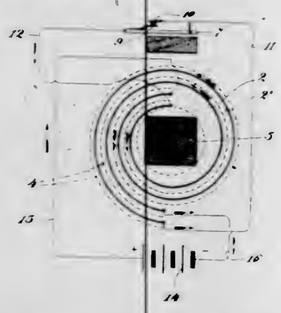
ing a work piece in said drum in position in front of the tool on said holder, and means for suspending the tool holder.

1,460,389. LIQUID-DISPENSING STATION. PIERRE ANDRÉ PAUL VICTOR MAUCLÈRE, Paris, France. Filed July 5, 1921. Serial No. 482,415. 10 Claims. (Cl. 221—67.)



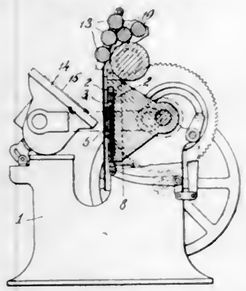
1. A low pressure pneumatic apparatus for the dispensing of liquids comprising: two combined receptacles; a closed circuit of a constant mass of gas; a compressor arranged in this closed circuit; means for starting said compressor and therefore moving the gas; a set of pipes for the liquid and the gas.

1,460,390. SOLENOID. WILLIAM J. O'LEARY, Montreal, Quebec, Canada. Filed May 21, 1920. Serial No. 383,123. 19 Claims. (Cl. 200—90.)



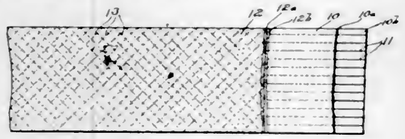
1. A solenoid comprising a pair of conductors separated in parallel relationship by a dielectric and coiled together in superimposed convolutions about an axis, means for supplying a current to said conductors, means electrically connecting said conductors in series whereby the flow of a normal energizing current is in the same direction in both about the axis of the coil, and means for interrupting the electrical connection between said conductors.

1,460,391. METHOD OF STAMPING BOOKBINDINGS AND THE LIKE. SIDNEY SATENSTEIN, New York, N. Y., assignor to Alchemic Gold Company, Inc., a Corporation of New York. Filed Mar. 29, 1922. Serial No. 547,715. 1 Claim. (Cl. 41—7.)



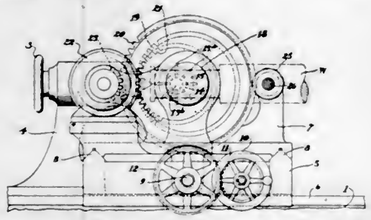
A method of stamping which comprises transferring a metallic pigment ink containing a solvent which is not volatile at atmospheric temperatures by pressure to a surface and drying the ink on the surface during the impression interval by the application of sufficient heat to ensure volatilization of the solvent.

1,460,392. MULTIPLY REENFORCED PAPER. ALBERT F. SCHENKELBERGER, Quincy, Mass., assignor to Safepack Mills, Boston, Mass., a Corporation of Massachusetts. Filed Apr. 6, 1920. Serial No. 371,680. 2 Claims. (Cl. 154—52.)



1. A multi-ply reenforced paper comprising two sheets cementitiously united with lengthwise filaments imbedded therebetween and two other sheets united thereto with criss-cross filaments diagonal of the length of the web imbedded therebetween.

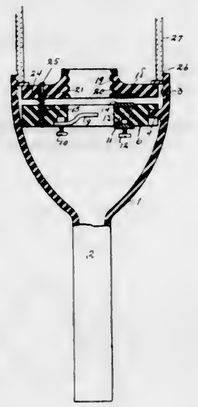
1,460,393. AXLE-MILLING MACHINE. WILLARD T. SEARS, Montclair, N. J., assignor to Niles-Bement-Pond Company, New York, N. Y., a Corporation of New Jersey. Filed Jan. 26, 1921. Serial No. 440,020. 10 Claims. (Cl. 90—15.)



1. A milling machine comprising in combination means for bodily moving and rotating a cutter spindle compris-

ing a support, a rotary bearing mounted on the support, a cutter spindle mounted eccentrically in the bearing, a gear on the spindle, a member having teeth on the interior thereof meshing with the teeth of the said gear, and means for rotating the said member and bearing.

1,460,394. ELECTRIC-INCANDESCENT-LAMP HOLDER. EDMUND FRANCIS TWEEDY, Glenbrook, Conn. Filed Jan. 3, 1919. Serial No. 269,462. 6 Claims. (Cl. 173—346.)



1. A lamp holder comprising a hollow body member, a base within said hollow body member and adapted to be removably secured therein, a lamp supporting receptacle within said body member and means between said base and said receptacle for forcing the same away from each other and independent means for forcing said receptacle toward the base.

1,460,395. PICKLING BATH AND PROCESS FOR PICKLING IRON AND STEEL. OTTO VOGEL, Dusseldorf-Oberkassel, Germany. Filed Aug. 27, 1921. Serial No. 495,954. 4 Claims. (Cl. 148—8.)

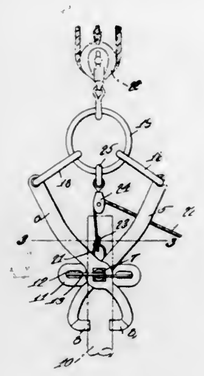
1. Pickling bath for iron consisting in acid substances dissolving iron oxides and aromatic compounds having a nucleus in which several carbon atoms are united with a nitrogen atom.

1,460,396. PLASTER AND PROCESS OF CONTROLLING THE SETTING OF PLASTER, AN ACCELERATOR THEREFOR, AND PROCESS OF MAKING SUCH ACCELERATOR. JOSEPH N. WIGGIN, East Orange, N. J., assignor to H. B. Wiggin's Sons Company, Bloomfield, N. J., a Corporation of New Jersey. Filed Apr. 29, 1920. Serial No. 377,707. 13 Claims. (Cl. 106—34.)

1. A plaster of Paris composition comprising a mass of powdered plaster of Paris substantially without water and a second mass of plaster of Paris having water mixed therewith, but in less proportion than would be sufficient to solidify said second mass.

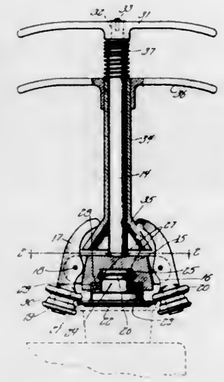
1,460,397. PIPE GRAPPLE. JOHN G. ZEHRER, Browns Valley, Minn. Filed Apr. 21, 1922. Serial No. 555,822. 2 Claims. (Cl. 294—118.)

1. In a grapple, a pair of pivotally connected arms, jaws forming a part of the arms, means having connection with the arms for moving the jaws, a transversely extending plate carried by the arms, a guard including a curved portion lying in spaced relation with the arms to accommodate an article therebetween, said plate



adapted to receive portions of the guard to secure the same to the arms, and means for guiding the grapple to its work.

1,460,398. CAN-CAP-SEAMING APPARATUS FOR VARNISH CANS, ETC. AUGUST M. AUGENSEN, Grand Junction, Colo. Filed Apr. 22, 1920. Serial No. 375,680. 7 Claims. (Cl. 113—24.)

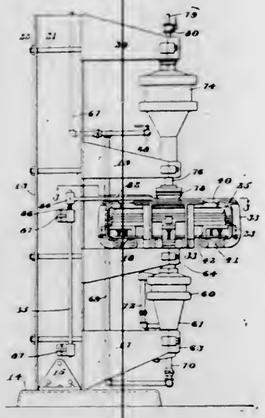


1. In a device of the class described, the combination with a frame, of a vertically movable supporting chuck upon which the can rests, an aligned clamping chuck to engage the seated cap free to rotate but held from vertical movement, crimping rolls associated with the clamping chuck, and manually controlled means for continuously rotating said rolls about the cap for any desired length of time.

1,460,399. ART OF UPHOLSTERY. FRANK H. BANCROFT, Gardner, Mass., assignor to P. Derby & Co., Inc., Gardner, Mass., a Corporation of Massachusetts. Filed May 4, 1922. Serial No. 558,395. 41 Claims. (Cl. 45—138.)

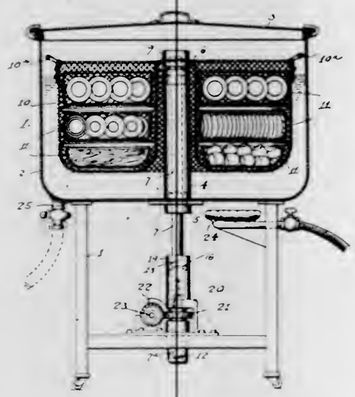
1. Apparatus for upholstering chair seats and the like comprising a die, rotatable means for supporting

the die, means for holding a cover on said die, and means for forcing a seat bottom into said die to stretch the cover and maintain the cover stretched while it is



being fastened to the seat bottom, said last named means acting on said seat bottom through a follower supported independently of said last named means.

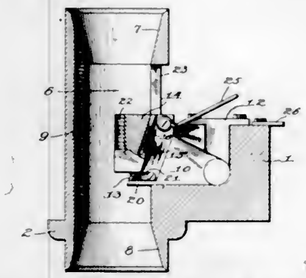
1,460,400. DISHWASHING APPARATUS. CHARLES B. BELKNAP, Detroit, Mich. Filed Nov. 6, 1920. Serial No. 422,136. 2 Claims. (Cl. 141—9.)



1. In a machine for washing dishes, the combination with a tank for holding a cleansing liquid mounted on a frame, of a vertical two part shaft carrying a rack adapted to hold utensils to be cleaned rotating in the tank, power means axially rotating the shaft, and roller bearings on the upper section of the two part shaft operating in a cam slot, causing vertical reciprocation of the rack within the tank with the axial rotation.

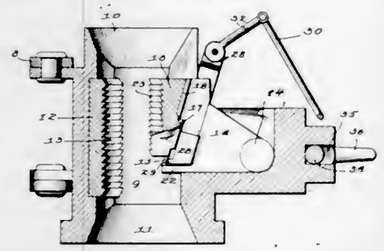
1,460,401. TUBING SPIDER. CHARLES H. BENCKENSTEIN, Vinton, La. Filed Mar. 22, 1921. Serial No. 454,445. 10 Claims. (Cl. 24—249.)

1. A spider including a body member provided with a substantially cylindrical passage extending therethrough, fixed gripping means arranged in a portion of the passage wall, an arm mounted on a pivot in the body and adapted



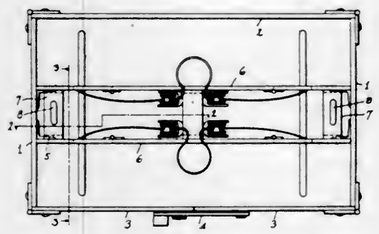
to project into the passage, and gripping means carried by said arm and adapted to swing about said pivot as a center.

1,460,402. TUBING SPIDER. CHARLES H. BENCKENSTEIN, Vinton, La. Filed Oct. 24, 1921. Serial No. 510,011. 8 Claims. (Cl. 24—249.)



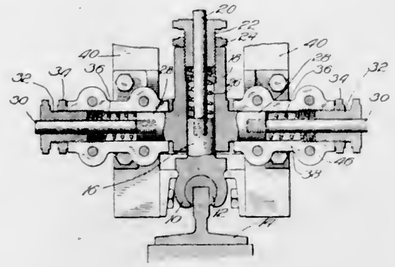
1. An apparatus of the character described composed of two sections, means for securing the two sections together, the two sections being so arranged as to form a substantially cylindrical passage therethrough when the two sections are together, a rocking arm carried by one of the sections, and a gripping jaw slidably mounted on said rocking arm.

1,460,403. MOLD FOR CEMENT BLOCKS. JAMES BONDI, Buffalo, N. Y. Filed Feb. 26, 1921. Serial No. 448,200. 3 Claims. (Cl. 25—121.)



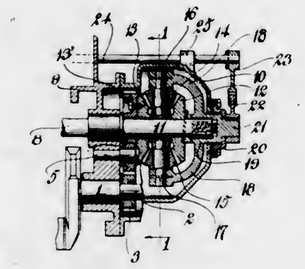
2. In a cement block mold, a removable core comprising connected parallel plates having recesses extending to their lower edges, panels normally closing said recesses and hinged to swing inward in opening, said panels having edge recesses to provide clearances for the connecting rods of the molded block elements, the walls of said edge recesses supporting said rods during the molding operation and means arranged within said core for opening said panels.

1,460,404. GUIDE SHOE FOR ELEVATORS. RICHARD BRENNE, Chicago, Ill., assignor to Kaestner & Hecht Company, Chicago, Ill., a Corporation of Illinois. Filed June 21, 1920. Serial No. 390,324. 6 Claims. (Cl. 187—95.)



6. In combination with an elevator car and a vertical guide rail, a guide shoe having operative engagement with said rail and mounting means supporting said guide shoe upon said car, said mounting means permitting rotation of said guide shoe around each of two mutually perpendicular horizontal axes and including resilient means permitting a limited displacement of said guide shoe in any direction in a horizontal plane, and additional positive means imposing a definite limit on horizontal displacement of said guide shoe.

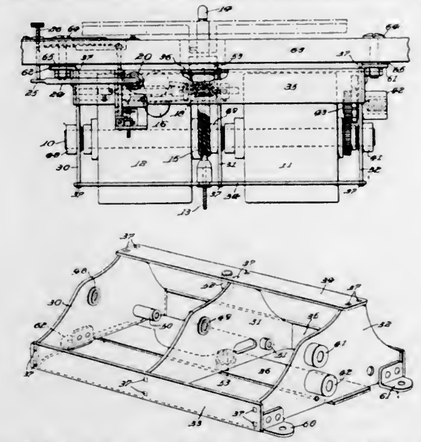
1,460,405. TIMING MECHANISM. OSCAR Z. BREWER, Spokane, Wash. Filed Dec. 4, 1919. Serial No. 342,484. 1 Claim. (Cl. 74—7.)



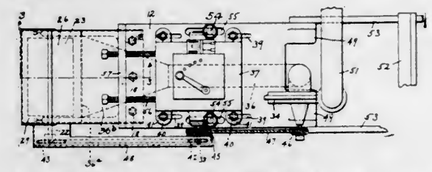
The combination in operating gearing including the driven shaft of a gear frame having a hub loose thereon and an axially alined resilient member between said shaft and hub, means for retaining the hub on the shaft, and means for revolving the hub, as described.

1,460,406. SUPPORTING FRAME FOR TALKING-MACHINE MOTORS. ISAAC FRANCIS BURTON, Philadelphia, Pa., assignor to Victor Talking Machine Company, a Corporation of New Jersey. Original application filed May 15, 1918, Serial No. 234,809. Renewed Nov. 16, 1922. 11 Claims. (Cl. 185—37.)

3. In a talking machine driving mechanism comprising a power element, a power shaft, a turntable spindle located at an angle relative to said power shaft and a governor, the combination of a supporting frame for said mechanism including a plurality of frame plates for supporting said power shaft and said governor and a tie plate for joining said frame plates and supporting said turntable spindle.

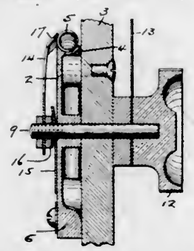


1,460,407. SURFACING MACHINE. JOHN A. CAMPBELL, Quincy, Mass. Filed Mar. 25, 1922. Serial No 546,586. 1 Claim. (Cl. 51—176.)



A surfacing machine comprising a platform, traction wheels, a surfacing roll, said roll and the traction wheels being arranged to support the platform raised above a floor, a hood enclosing the major portion of said roll, a centrifugal blower mounted on the platform, a conduit connecting the lower rear portion of the hood with the fan casing, and means carried by the platform for driving the roll and blower, the machine being characterized by angular arms bolted to the forward end of the platform and projecting forward and downward therefrom, said arms being provided with bearings for the roll shaft, and formed to operatively support the hood below the platform.

1,460,408. RHEOSTAT. ERNEST G. DANIELSON, San Francisco, Calif., assignor to E. T. Cunningham, San Francisco, Calif. Filed July 18, 1921. Serial No. 485,696. 3 Claims. (Cl. 219—56.)



1. In a rheostat, a circular disc having a peripheral groove, a conductor coiled in the form of a long helix

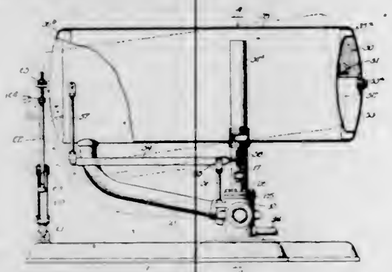
held within the groove, said groove being so shallow that the major portion of the helix is exposed, and a flat resilient contact arm of a single piece of metal, rotatable on an axis passing through the center of the disc, said arm having a surface contacting with the helix on a plane oblique to the axis.

1,460,409. BURIAL VAULT. MATHIAS DOCHNAL, St. Louis, Mo. Filed Oct. 9, 1919. Serial No. 329,529. 2 Claims. (Cl. 27—35.)



1. A burial vault comprising a casket receiving section having an external annular flange positioned a suitable distance below the top edge of the walls of the casket receiving section, upwardly extending spring catches anchored in the flange of said casket receiving section, a shoulder formed near the upper end of each spring catch terminating upwardly in a head having an inclined outer face, a cover section telescopically embracing the body of the casket receiving section above the annular flange, said casket receiving section being provided with an internal recess opposite each spring catch and said cover section being provided with a plurality of recesses to form locking shoulders for engagement with the shoulders of the spring catches when the cover section is positioned, a screw threaded member communicating with each cover section recess capable of releasing each spring catch shoulder with the lower shoulder of the cover recesses when the screw threaded members are moved inwardly thereby permitting the removal of the cover section from the casket receiving section.

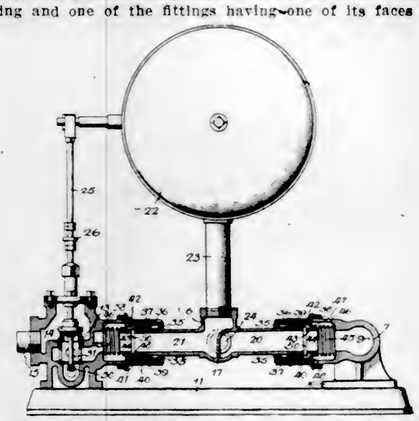
1,460,410. CONDENSATION TRAP. HUBERT C. ELLIS, Evanston, Ill., assignor to Ellis Drier & Elevator Company, Chicago, Ill., a Corporation of Wisconsin. Filed July 14, 1919. Serial No. 310,686. 6 Claims. (Cl. 137—103.)



1. In a condensation trap, the combination of a tiltable drum, an inlet for the condensate and an outlet for the condensation, a valve connected to be operated by the drum for admitting fluid under pressure to the drum to discharge the condensation, and a counterweight for the drum consisting of metal having a low melting point and secured to the drum.

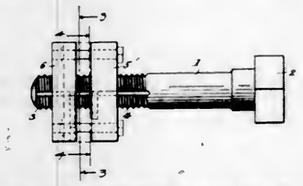
1,460,411. TILTING TRAP. HUBERT C. ELLIS, Evanston, Ill., assignor to Ellis Drier & Elevator Company, Chicago, Ill., a Corporation of Wisconsin. Filed Mar. 23, 1921. Serial No. 454,823. 8 Claims. (Cl. 285—96.)

1. The combination of a trunnion pipe, fittings to which the ends of the trunnion-pipe are connected and pivotal connections between the fittings and the trunnion-pipe, one of which connections comprises a bearing-ring fixed to the trunnion-pipe, a non-rotatable bearing-ring, and a flexible diaphragm between the non-rotatable ring and one of the fittings having one of its faces in



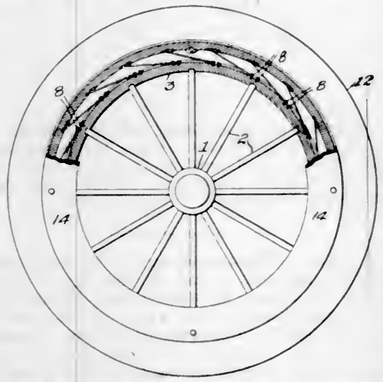
communication with and exposed to the pressure of the fluid in the pipe so that preponderating pressure will be applied to the diaphragm in that direction which will cause it to hold the rings in contact.

1,460,412. NUT LOCK. ANDY FTYKLO, Braznell, Pa. Filed Apr. 18, 1922. Serial No. 554,804. 1 Claim. (Cl. 151—11.)



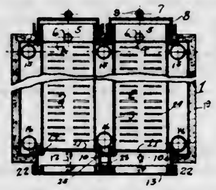
In a nut lock comprising a bolt having longitudinal grooves, a pair of nuts positioned on said bolt, means carried by each of the nuts for engagement with the longitudinal grooves of the bolt and means for locking the nuts in a spaced relation with each other on said bolt to prevent rotation of said nuts in either direction.

1,460,413. SPRING WHEEL. HENRY W. GAINES, Bowling Green, Ky. Filed Feb. 11, 1922. Serial No. 535,848. 4 Claims. (Cl. 152—37.)



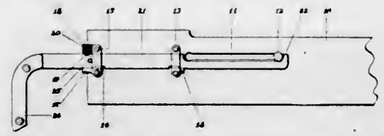
4. In a wheel of the class described, the combination of an inner rim, springs fastened to the inner rim, an outer rim provided in its inner face with transversely-extending dovetail sockets, each socket opening at one end upon a side-face of the outer rim, a spring plug in each socket and bearing tightly against a spring each spring plug comprising an outwardly-bowed body and with laterally-extending ears at each corner of the body, said ears fitting into the side-edges of the dove-tail socket, ring-like side plates fastened to the outer rim and overlapping the inner rim, and said side plates holding the spring plugs in the sockets tightly against the springs, substantially as shown and described.

1,460,414. APPARATUS FOR DEVOLATILIZING COAL, SHALE, ETC. CLAUDE M. GARLAND, Chicago, Ill. Filed Jan. 28, 1920. Serial No. 354,531. 10 Claims. (Cl. 202—9.)



10. In apparatus of the type described, a heating chamber, a plurality of rows of vertical retorts extending through the said heating chamber, perforations in the side walls of the said retorts, an upper header communicating with the upper ends of a plurality of the retorts in a row, a gas outlet connection communicating with the said upper header, a sealed cover for closing the said upper header, a lower header communicating with the lower ends of the above said plurality of retorts, a swinging fuel support within the said lower header, a sealed cover for closing the bottom of the said lower header, a pipe for the discharge of superheated steam extending along each side of each row of retorts and near the bottom thereof, and a pipe for the removal of the said superheated steam and other products extending along each side of each row of retorts and near the top thereof, substantially as described.

1,460,415. OPERATING SLIDE AND HANDLE FOR MACHINE GUNS. WALTER T. GORTON, U. S. Army. Filed July 12, 1922. Serial No. 574,555. 4 Claims. (Cl. 89—2.) (Filed under the act of Mar. 3, 1883, 22 Stat. L., 625.)



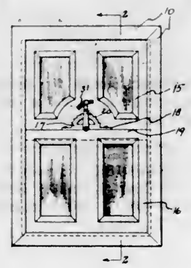
4. The combination with an automatic gun having a breech bolt, of a slide attached to the gun and connected to the bolt and operable to move the bolt to its rearmost position and means for detaining the slide to releasably hold the bolt in such rearmost position or to lock the bolt in a position just prior to the gripping of a cartridge in the cartridge belt by the extractor of the gun.

1,460,416. VEST. PHILIP E. HEIM, Sharon Hill, Pa. Filed Mar. 2, 1922. Serial No. 540,402. 1 Claim. (Cl. 2—97.)



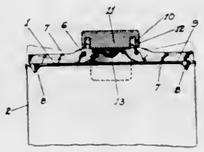
A vest comprising front and back portions, each of said portions including a lining, the front portion having its rear edges enclosed by piping, the back portion being stitched to said front portion in close proximity to the piping and forming a flap, the piped portion being deflected on the lining of the front portion and a flap of said back portion being folded over said piped portion and secured to said front portion whereby the size of the vest can be varied without altering the lining.

1,460,417. DUMB-WAITER LOCK. SIGURD JAHR HOFF, New York, N. Y. Filed June 6, 1922. Serial No. 566,339. 1 Claim. (Cl. 292—202.)



A lock for a vertically slidable door comprising a toothed sector mounted on said slide door, a locking lever pivoted centrally on said sector and having a stud member projecting therefrom, a curved plate secured to a wall above said door and engageable with said stud when in locked position, said curved plate secured so as to form a wedge cam surface for jamming the door in closed position, a pawl member pivoted on said lever and engageable with the toothed sector, a lug integral with said pawl, a pawl release plunger slidably mounted in said lever having a knurled head thereon, a conical head on said plunger engageable with the lug and adapted to release the pawl from the sector when depressed and a spring for returning the same to normal.

1,460,418. CAN PUNCH AND SEAL. AUDIFF JOHNSON, Stockton, Calif. Filed May 1, 1922. Serial No. 557,758. 3 Claims. (Cl. 220—51.)

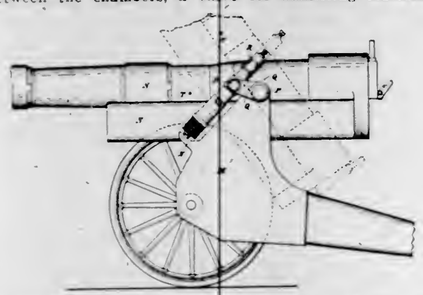


1. A can punch and seal comprising a plate adapted to be located on and clamped to a can, arms carrying punches on their undersides pivotally mounted on the plate in opposed relation, and rotatable means mounted above the arms for raising the outer ends thereof at will.

1,460,419. COUNTERPOISE. BRYAN P. JOYCE, Washington, D. C. Filed Oct. 10, 1921. Serial No. 506,920. 6 Claims. (Cl. 89—37.) (Filed under the act of Mar. 3, 1883, 22 Stat. L., 625.)

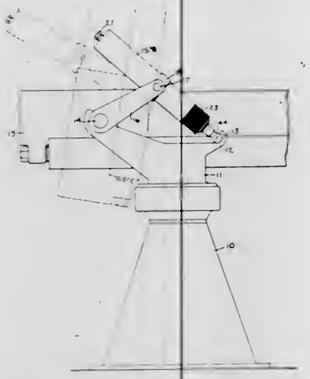
5. A counterpoise, embodying a plunger, a casing into which the plunger telescopes, a packing between plunger and casing, a sealing chamber adjacent the packing, an air chamber between the plunger and casing, a ring mov-

able in the sealing chamber for sealing the passage-way between the chambers, a valve for admitting lubricant



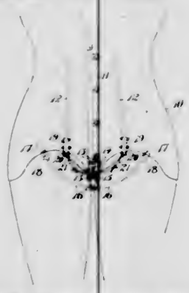
to the sealing chamber, means for preventing the ring from blocking the valve and a valve for admitting fluid under pressure to the air chamber.

1,460,420. COUNTERPOISE. BRYAN P. JOYCE, Davenport, Iowa. Filed May 7, 1923. Serial No. 637,244. 4 Claims. (Cl. 89—37.) (Filed under the act of Mar. 3, 1883, 22 Stat. L., 625.)



4. The combination with a gun carriage provided with a socket and a trunnion journaled in the carriage, of arms secured to the trunnion, a casing, trunnions carried by the casing and journaled in the arms, successively movable plungers within the casing and an end on one of the plungers seated in the socket for oscillatory movement therein.

1,460,421. ABDOMINAL SUPPORT. MAY A. KEELER, San Francisco, Calif. Filed Oct. 24, 1918. Serial No. 259,514. 3 Claims. (Cl. 2—188.)

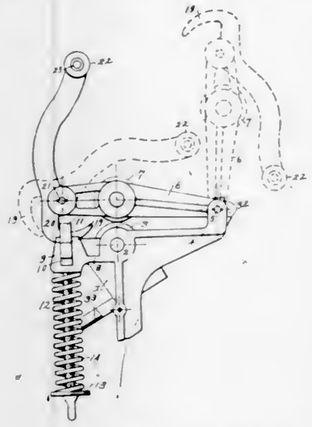


1. An abdominal supporter comprising a corset, straps secured to the front and back of said corset, at each side of a central line, elastic perineal straps, means upon the ends of the first named straps through which the ends of the perineal straps may be detachably and adjustably interwoven, and side connecting cords by which the downward pull of the perineal straps may be adjustably distributed to the corset.

1,460,422. SYNTHETIC TAN AND PROCESS OF MAKING SAME. SIEGFRIED KOHN, Philadelphia, Pa., assignor to Rohm & Haas Company, a Corporation of Delaware. Filed Jan. 30, 1922. Serial No. 532,912. 4 Claims. (Cl. 260—2.)

4. The process of producing a synthetic tan which comprises the steps of treating a carbohydrate with sulphuric acid under conditions adapted to produce a solution of hexose in sulphuric acid, and thereafter adding to such solution a quantity of phenol substantially less than that necessary to combine with sulphuric acid and with the hexose present to form a phenol sulphonyl hexose, and maintaining sulphonating conditions until a substantial quantity of penta-para-phenol-sulphonyl hexose is formed.

1,460,423. PRESSURE REGULATING AND RELEASING APPARATUS FOR WRINGERS. ALVIN W. KRAHN, Milwaukee, Wis. Filed Mar. 27, 1920. Serial No. 369,183. 7 Claims. (Cl. 68—32.)

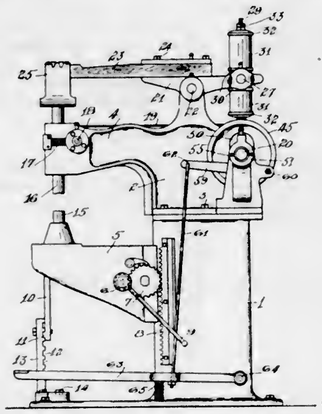


3. In a wringer the combination with a frame, a lower roller journaled in fixed bearings therein, a co-operating upper roller journaled in movable bearings adapted to be wholly removed from above the first mentioned roller, a set of springs in releasable connection with the movable roller, means for separately maintaining each of said springs under a desired degree of variable tension independently of their connection with the roller, and swinging devices connected to the movable bearings and having surfaces eccentric to their arc of movement and connectible with said springs and adapted when moved in one direction to progressively increase the tension of said springs and subject the movable roller to such tension to press the same upon its associated roller in said fixed bearings.

1,460,424. RIVETING HAMMER. PHILIP H. LECKINGER, Rochester, N. Y., assignor to High Speed Hammer Company, Inc., Rochester, N. Y., a Corporation of New York. Filed Mar. 17, 1921. Serial No. 452,910. 6 Claims. (Cl. 78—40.)

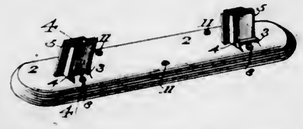
1. A riveting machine comprising an anvil, a hammer cooperating with said anvil, a helve for operating said hammer and having an opening therein, a bearing pin

mounted to turn in opposite walls of said opening and provided with a transverse opening, a mechanism for operating the helve comprising a rod extending through said



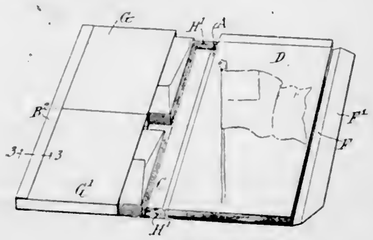
bearing pin, abutments separate from and engaging said bearing pin, and cushions on said pitman cooperating with said abutments.

1,460,425. FLOOR FASTENING FOR DESKS, SEATS, AND CHAIRS. LOUIS H. MCKEE, Trenton, N. J. Filed July 19, 1917, Serial No. 181,480. Renewed May 6, 1918. Serial No. 232,934. 6 Claims. (Cl. 45—137.)



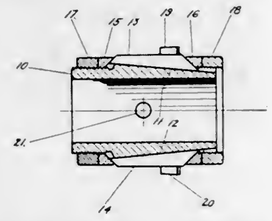
3. A fastening shoe for a desk, etc. formed of a floor plate having cheek pieces rising from the same forming a mortise which is adapted to receive the foot of a side standard of the desk, etc., and a tongue depending from said foot adapted to enter the shoe and be clamped by said cheek pieces and engage the inner face of the adjacent side portions of the shoe.

1,460,426. FOLDING PAPETERIE. BARTHOLOMEW E. MCSHEEHY, Huntingdon, Pa., assignor to J. C. Blair Company, Huntingdon, Pa., a Corporation of Pennsylvania. Filed Oct. 23, 1918. Serial No. 259,417. 3 Claims. (Cl. 281—31.)



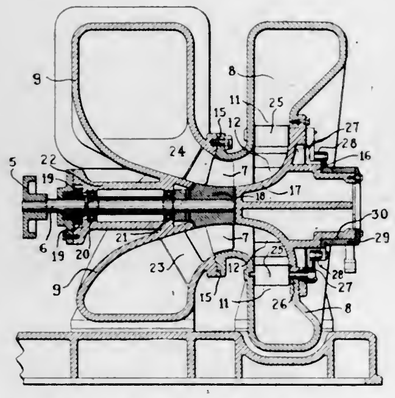
1. A foldable papeterie comprising an envelope containing section and a sheet-holding section connected thereto by a hinged portion, the envelope-containing section consisting of a back portion, a plurality of open-ended envelope pockets attached to the back portion, the inner open ends of the pockets being located near said hinge portion, and an extension on the back portion overlying the outer open ends and parts of the top faces of the envelope pockets and attached to said faces to close said outer open ends.

1,460,427. EXPANDING FLY CUTTER. JAMES P. MILLS, Detroit, Mich., assignor to Continental Motors Corporation, Detroit, Mich., a Corporation of Virginia. Filed Feb. 24, 1920. Serial No. 360,962. 2 Claims. (Cl. 77—58.)



1. A fly cutter comprising a cylindrical shell, a pair of longitudinally extending bars adustably secured at diametrically opposite sides of said shell, a cutting blade carried by and extending radially from one of said bars, and a gauging projection carried by and extending radially from the other of said bars, said gauging projection, when the cutter is ready for use, being reduced to slightly less radius than said cutting blade, whereby said projection clears the finished portion of the bore.

1,460,428. PUMP AND METHOD OF REGULATING THE SAME. LEWIS FERRY MOODY, Philadelphia, Pa. Filed July 3, 1919. Serial No. 308,607. 22 Claims. (Cl. 103—89.)

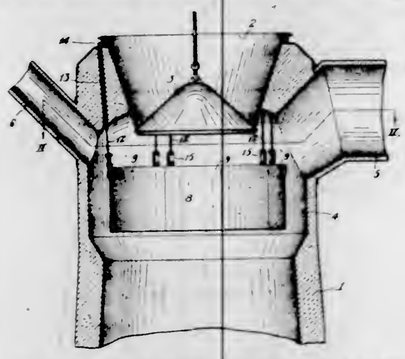


1. The method of regulating the flow through a rotary pump comprising increasing the velocity of the inflow in the direction of flow and simultaneously varying the angle of whirl thereof.

1,460,429. BLAST FURNACE. PATRICK J. MORAN, East Cleveland, Ohio. Filed Mar. 17, 1922. Serial No. 544,612. 13 Claims. (Cl. 266—27.)

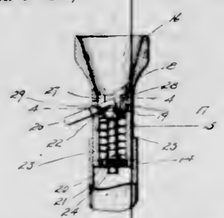
1. The combination with a blast furnace stack provided with a charging hopper at its upper end; of an

internal metallic shield cylindrical throughout within said stack adjacent said hopper, said shield conforming



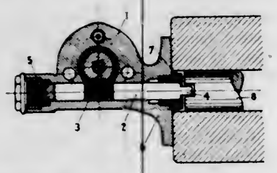
to the internal configuration of said wall and spaced therefrom.

1,460,430. LIFE BELT. FRED MORSE, New Haven, Conn. Filed July 7, 1922. Serial No. 573,263. 2 Claims. (Cl. 9—17.)



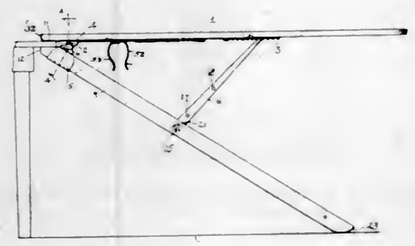
2. In a device of the character described, a life belt; and means for inflating said life belt when the same has been applied to the body and when both are in the water, comprising a flexible member connected with said life belt and a valve mechanism connected with said flexible member, said latter mechanism having a body with a mouth piece at one end thereof; a valve plug therein adjacent to the mouth piece and having a valve seat upon the inner face thereof, a stem plug closing the end of said body opposite to said mouth piece and having openings therethrough; a valve movably mounted within said body and supported in said stem plug; and a pivotally mounted lever projecting through the wall of said valve plug and body and having contact at its inner end with said valve, whereby the same may be moved off its seat by manipulation of that portion of said lever that projects outside of said body member to permit air to pass thereby from the mouth piece.

1,460,431. ARRANGEMENT OF OIL PUMPS. EUGEN LUDWIG MÜLLER, Munich, Germany. Filed Dec. 22, 1922. Serial No. 608,538. 1 Claim. (Cl. 103—205.)



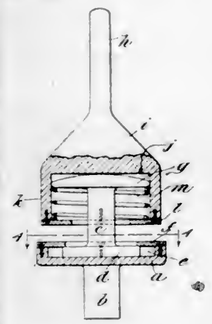
The combination of a machine bearing, a machine shaft journalled in the bore of the said bearing, an oil pump casing, a worm shaft journalled in the pump casing, a fixing flange connected with the pump casing and having a surface extending at right angles to the said worm shaft and abutting on the said machine bearing, a pump driving worm wheel engaging with the said worm and enclosed in the pump casing, a centering member associated with an end of the said worm shaft and projecting from the said flange into the bore of the machine bearing, and a connecting member at the end of the worm shaft and projecting into a slot in the machine shaft.

1,460,432. IRONING-BOARD CONSTRUCTION. ROBERT F. NADIG and WILLIAM D. SOMERS, Cleveland, Ohio. Filed Jan. 15, 1921. Serial No. 437,437. 4 Claims. (Cl. 68—10.)



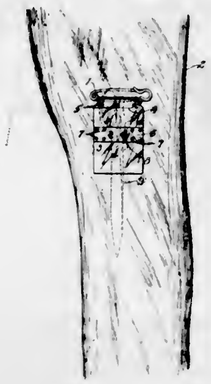
1. In apparatus of the class described, an ironing board, an adjustable supporting member secured to the under-side thereof, a pivoted leg clamping element mounted thereon, a supporting leg slidably engaged in said leg clamping element, a rack member secured to said adjustable supporting member, and a brace arm pivoted to said supporting member, its outer end engaging said rack member.

1,460,433. WORK SUPPORT. WALTER V. NEAL, Malden, Mass., assignor to The United Shoe Machinery Corporation, Paterson, N. J., a Corporation of New Jersey. Filed June 9, 1920. Serial No. 387,589. 18 Claims. (Cl. 12—126.)



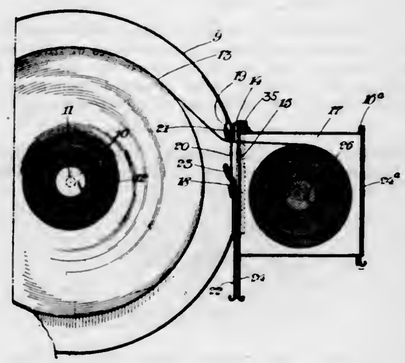
1. A machine element for sustaining or applying thrust comprising two members adapted to be placed with respect to one another either in a given alinement or at an inclination to such alinement in any direction and in various degrees; said members being in engagement with one another on tangent contact surfaces the degree of relative curvature being such that the line of thrust sustained by said element passes through the point of tangency of said surfaces at any inclination of the members, and means tending to move said members into alinement when the thrust is removed.

1,460,434. PAPERHANGER'S SHEARS HOLDER. GEORGE W. NEWBERRY, St. Louis, Mo. Filed Jan. 17, 1923. Serial No. 613,145. 1 Claim. (Cl. 24—13.)



A flexible shears-holder, comprising a leather base having at its upper end an integral flap adapted to be bent or looped around the main body portion of a safety-pin, and a strip of leather secured across the outer face of said leather base to provide a shears-holding loop at about the center of the length of said strip.

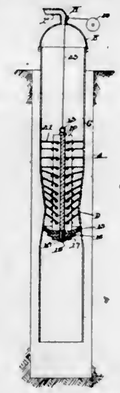
1,460,435. LOADING MEANS FOR FILM MAGAZINES FOR CAMERAS. HUGO NEWMAN, New York, N. Y. Filed Aug. 9, 1922. Serial No. 580,617. 14 Claims. (Cl. 242—55.)



1. The combination of a film storage container and a film box adapted to be connected thereto to form a light-tight passage from one to the other, and mechanism carried by said film box for transferring the film thereto from the container.

1,460,436. COMBINED INDICATOR AND GAUGE. TROY R. NICHOLS, Mexia, Tex. Filed June 21, 1922. Serial No. 569,795. 4 Claims. (Cl. 73—51.)

1. An indicator and gauge for wells comprising a frame, a measuring line connected with the frame and carried by a paying out spool for measuring the depth to which the device descends within a well casing, a flexible disk detachably connected with the lower end



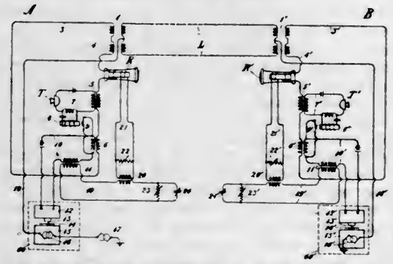
of the frame, and a plurality of bendable arms extending radially from the frame and engaging the inner periphery of the casing.

1,460,437. PACKAGE CONVEYING AND DISTRIBUTING DEVICE. SAMUEL OLSON, Chicago, Ill. Filed Dec. 15, 1916. Serial No. 137,086. 4 Claims. (Cl. 198—186.)



1. In combination with an elongated work table, means for distributing packages thereto, comprising a conveyer belt traveling parallel to said table, and a tripper, comprising a truck mounted to travel longitudinally of the belt and having a loose pulley over which the belt is fed for discharging its load, a laterally-discharging inclined plate on the truck in position to receive such load from the belt and deliver it to the table, said table being laterally spaced from the conveyer belt clear of the path of the tripper, with a longitudinally extended platform bridging such space and sloping downwardly from the side of such path to the table, a second pulley over which the belt is fed from the first and out forwardly from the tripper truck, and means for moving such tripper back and forth over the path of the belt at will, or arresting it at any point in such travel for distributing the material discharged from its plate over the table.

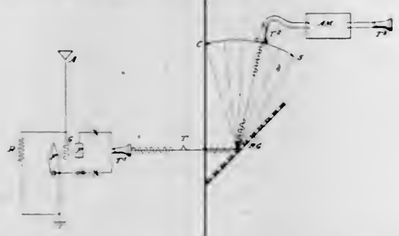
1,460,438. SECRET-COMMUNICATION SYSTEM. RALZEMOND D. PARKER, Brooklyn, N. Y., assignor to American Telephone and Telegraph Company, a Corporation of New York. Filed Dec. 26, 1919. Serial No. 347,305. 6 Claims. (Cl. 179—1.)



1. In a transmission system including a sending station and a receiving station the method of maintaining

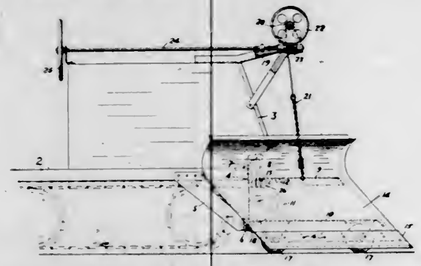
secrecy in the transmission of messages between stations which consists in mutilating and distorting the outgoing message currents by superimposing thereon at the sending station a current of continuously varying frequency, and in neutralizing the effect of said superimposed current at the receiving station.

1,460,439. INTERFERENCE PREVENTER. GREENLEAF WHITTIER PICKARD, Newton Center, Mass., assignor to Wireless Specialty Apparatus Company, Boston, Mass., a Corporation of New York. Filed Apr. 22, 1922. Serial No. 555,965. 13 Claims. (Cl. 250—20.)



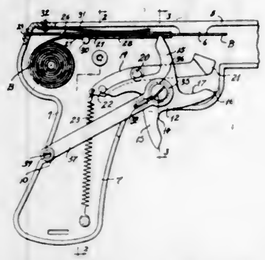
2. The method of segregating desired intelligence communicated by electric waves from interfering disturbances, which consist in converting the received waves into air-waves of high frequency, segregating the desired from the undesired air waves, converting the desired air waves into high frequency electric currents; and converting said current into intelligible indications of the desired communication.

1,460,440. SNOWPLOW. WILLIAM D. POLK, Kennett Square, Pa., assignor to American Road Machinery Company, Inc.: Kennett Square, Pa., a Corporation of Delaware. Filed Jan. 27, 1922. Serial No. 532,079. 1 Claim. (Cl. 37—44.)



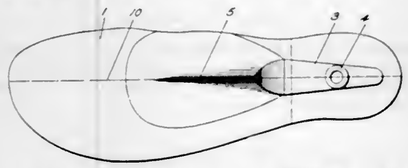
The combination of a push vehicle, vertical equalizing rods one at each side of the vehicle frame, a transverse bolster on the vehicle below and independent of the equalizing rods, coupling blocks, one for each equalizing rod and freely slidable thereon, a plow frame in advance of the vehicle and pivotally connected with said coupling blocks, plow shares connected to the plow frame, and a bolster on the plow frame immediately in front of the vehicle bolster, said bolsters being arranged substantially below the center of gravity of the plow and having unconfined capacity for lateral movement relatively to each other, whereby the maximum pushing force may be applied to the plow against resistance to forward movement, the specified connections of the plow with the equalizing rods and the bolster construction specified not only allowing the bolsters to advance to and recede from each other but also allowing relatively lateral swinging movements as well as vertical movements of the plow and push vehicle in traveling over uneven ground.

1,460,441. TOY PISTOL. JOSEPH POPPER, New York, N. Y., assignor, by direct and mesne assignments, of one-half to Baird-Daniels Company, Incorporated, New York, N. Y., a Corporation of New York, and one-half to Ruby H. Popper, Brooklyn, N. Y. Filed Sept. 9, 1921. Serial No. 499,552. 10 Claims. (Cl. 42—57.)



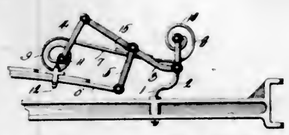
1. A toy gun comprising in combination, means for feeding detonators, a hammer for exploding the detonators, a trigger wheel adapted to drive the feeding means and operate the hammer, a crank which may be used at will to revolve the trigger wheel, and means for rendering inoperative the said crank when not in use.

1,460,442. LAST. LEWIS F. SMALL, Braintree, Mass., assignor to C. C. Blake, Incorporated, Boston, Mass., a Corporation of New York. Filed Mar. 29, 1918. Serial No. 225,552. 2 Claims. (Cl. 12—133.)



1. A last having an upper shaping surface and a bottom thereon constructed so that any series of lines formed in a series of parallel planes transverse the bottom of the last are concentric when projected upon a vertical plane with the last supported on a horizontal surface.

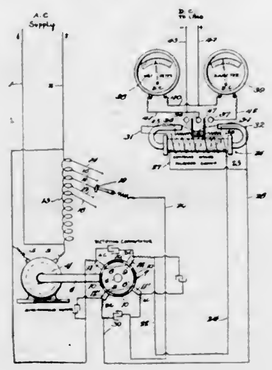
1,460,443. SHOCK ABSORBER. LINDEN H. RICE, Cincinnati, Ohio. Filed May 13, 1922. Serial No. 560,592. 3 Claims. (Cl. 267—17.)



1. A shock absorber comprising a bracket, a lever pivoted at one end to the bracket, a resilient member connected to the bracket at one end, a link connected to the lever at one end and to the resilient member at its other end, a link connected with an intermediate portion of the lever and adapted to be connected with the end of a vehicle spring, said resilient member disposed underneath and supporting an intermediate point of the lever and means for connecting a portion of the resilient member to a vehicle spring.

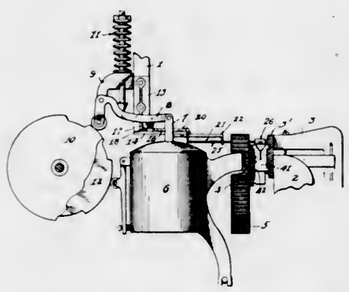
1,460,444. MECHANICAL RECTIFYING SYSTEM. JOHN W. ROBINSON, Macon, Ga. Filed Oct. 8, 1920. Serial No. 415,566. 1 Claim. (Cl. 175—364.)

In a system for producing a unidirectional current, the combination with a source of alternating current, of a load circuit, connections forming a circuit between the current source and the load circuit and including a rectifying commutator with a pair of oppositely positioned D. C. brushes and a pair of similarly positioned A. C. brushes between said D. C. brushes, an auto transformer provided with taps for selectively controlling the voltage of the rectified current, and condensers for



eliminating sparking, said condensers forming connections between each pair of said A. C. and D. C. brushes, the fixed terminal of said auto-transformer being connected to the junction of a condenser and an A. C. brush, and a movable terminal of the auto-transformer being similarly connected to the junction of the other A. C. brush and its condenser.

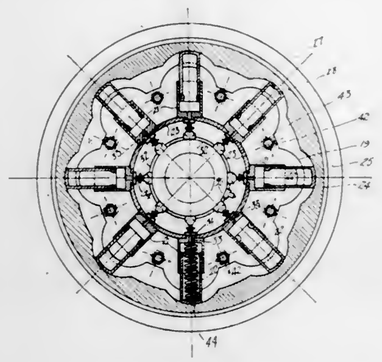
1,460,445. ATTACHMENT FOR LINE-CASTING MACHINES. LEON A. ROBINSON, Peoria, Ill. Filed Nov. 7, 1921. Serial No. 513,339. 15 Claims. (Cl. 199—53.)



1. A line casting machine including in combination with its mold-wheel and a freely movable vise-jaw, a part engaged and moved by the mold wheel, and a second part operated by the first said part adapted to elastically engage and operate said jaw for closing it elastically upon a line of matrices.

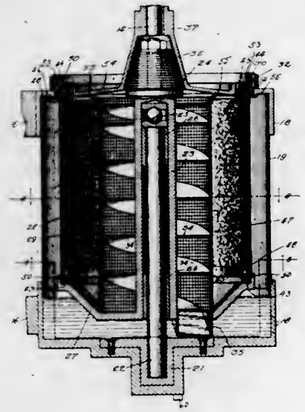
1,460,446. RESILIENT WHEEL. ERNEST SCHULTZ, East Melbourne, Victoria, Australia. Filed Dec. 21, 1920. Serial No. 432,284. 2 Claims. (Cl. 152—28.)

2. A resilient wheel comprising, in combination a concave surface formed on the inner surface of a ring supporting a tread, sleeve pistons having central extensions for operating against the tread surface, the pistons on each side being also arranged to operate against inner concave surfaces of rim rings said rim rings being supported by rigid side plates connected to the wheel hub,



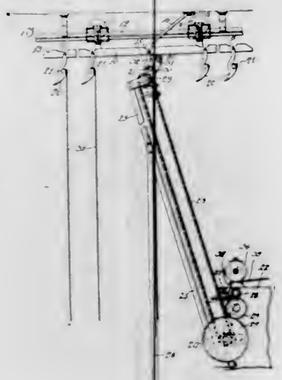
radial air cylinders receiving the pistons and disposed around a ring spaced from the hub, said cylinders providing an evenly distributed air pressure to the pistons around the wheel, and means for admitting air into the cylinders whereby to attain the required pressure, for the purposes specified.

1,460,447. CLEANING MACHINE. PASCAL J. SHAMPAY, Chicago, Ill. Filed Mar. 18, 1920. Serial No. 366,927. 12 Claims. (Cl. 68—18.)



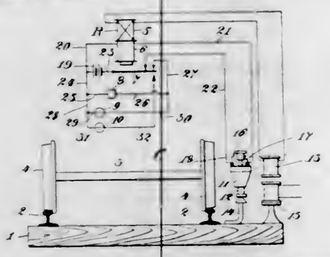
1. Cleaning apparatus comprising a receptacle; a cylinder rotatably mounted on a vertical axis in said receptacle and having openings in its walls; an article-to-be-cleaned holder adapted to hold an article in spread-out condition against the inner periphery of said cylinder; and means for raising a cleaning fluid from the bottom of said receptacle and discharging such cleaning fluid centrifugally toward said cylinder.

1,460,448. RUG-HANGING MACHINE. PASCAL J. SHAMPAY, Chicago, Ill. Filed Mar. 17, 1922. Serial No. 544,408. 20 Claims. (Cl. 198—20.)



1. Rug hanging mechanism comprising an elevated carriage, and means for automatically picking up a rug and automatically hanging the latter on said carriage.

1,460,449. AUTOMATIC TRAIN CONTROL. PAUL J. SIMMEN, Buffalo, N. Y. Filed Mar. 26, 1920. Serial No. 369,130. 4 Claims. (Cl. 246—63.)



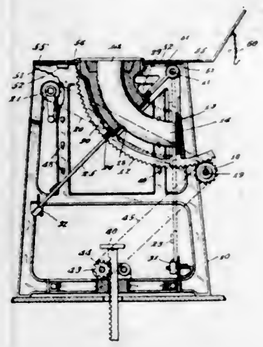
1. In a train controlling apparatus, in combination: a roadway; a car; a stick relay having a pick-up circuit and a stick-up circuit on the car; mechanical means on the road for breaking the stick-up circuit of said relay and electrical inductive means on the roadway for energizing the pick-up circuit of said relay.

1,460,450. LAST. LEWIS F. SMALL, Braintree, Mass., assignor to C. C. Blake, Incorporated, Boston, Mass., a Corporation of New York. Filed Mar. 29, 1918. Serial No. 225,551. 2 Claims. (Cl. 12—133.)



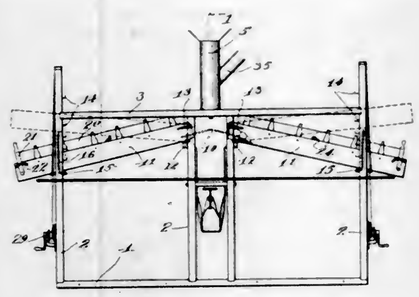
2. A last having an upper shaping surface and a bottom thereon, said bottom comprising a heel seat and a forepart, the effective tread surface of the heel seat lying in a plane parallel to the planes of any series of lines across the forepart of the last at right angles to the median line thereof.

1,460,451. CONCRETE-PIPE MACHINE. MICHAEL J. SMITH, Tacoma, Wash. Filed July 20, 1922. Serial No. 576,202. 10 Claims. (Cl. 25—30.)



1. A pipe molding machine comprising a main frame, a core carrier pivotally supported in said main frame, means for swinging said core carrier in the frame, comprising a segmental gear on the carrier and a pinion meshing with said gear, a curved core, means for detachably connecting said curved core to the carrier concentric with the axis of the carrier, a swinging mold support coaxial with the core carrier and means for holding said mold support in different positions of angular adjustment.

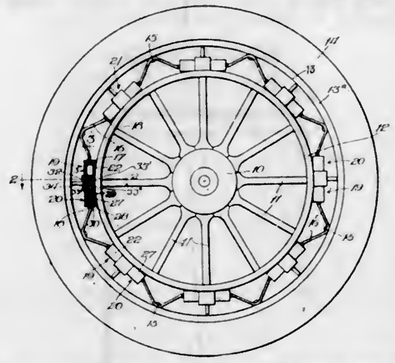
1,460,452. PRECIOUS-METALS CONCENTRATOR. HENRY F. SNAMISKA, Bremerton, Wash. Filed Jan. 24, 1923. Serial No. 614,624. 4 Claims. (Cl. 83—88.)



1. An ore concentrator comprising a frame, a centrally disposed receiving chute, a sloping sieve disposed under said chute, a dividing platform under said sieve, a vertical conduit beneath the platform, spaced pivoted flumes at either side of said platform adapted to be rocked to discharge either inwardly into the vertical conduit or outwardly, riffles in said flumes and means for rocking said flumes.

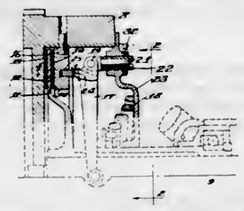
1,460,453. CUSHION WHEEL. MYER J. STEIN, Chicago, Ill. Filed May 19, 1920. Serial No. 382,632. 1 Claim. (Cl. 152—32.)

A cushion wheel comprising an inner and outer rim, a plurality of cylinders circumferentially arranged between said rims, alternately arranged pneumatic and spring cushioning means in said cylinders, spring cushioning members disposed between and closing the inner ends of said cylinders, springs secured to said outer rim, one end of each of said springs being connected to one of said pneumatic cushioning means and the other end be-



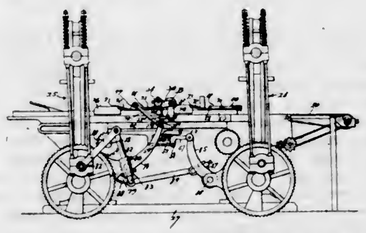
ing connected to one of said spring cushioning means to effect the cushioning of said pneumatic and spring cushioning means within said cylinders.

1,460,454. CLUTCH. CARL E. SWENSON, Rockford, Ill., assignor of one-fourth to Levin Faust, one-fourth to Eric S. Ekstrom, and one-fourth to Carl L. Anderson, all of Rockford, Ill. Filed May 2, 1921. Serial No. 466,031. 5 Claims. (Cl. 192—68.)



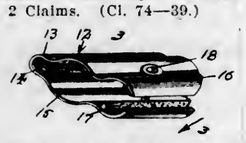
2. In a clutch of the character described, the combination of frictionally engageable members including a clutch plate having an annular groove, and means for imparting clutch-engaging pressure to said plate including segmental blocks disposed in said groove and having inclined abutting ends so arranged as to circumferentially equalize said clutch-engaging pressure.

1,460,455. BRICK MACHINE. JAMES R. TACKETT, Olive Hill, Ky. Filed Sept. 16, 1922. Serial No. 588,715. 9 Claims. (Cl. 25—45.)



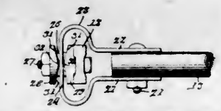
1. In a brick treating machine, a brick press, a brick re-press in spaced relation to each other, a brick support interposed between the presses on which bricks are transferred from one press to the other, horizontally reciprocating brick pushing elements for engaging bricks and pushing them over the support, vertically and longitudinally reciprocating brick carrying elements in operative relation to the support for lifting the bricks from the support and transferring them longitudinally thereof and re-depositing them thereon, and means for operating the brick pushing elements and brick carrying elements oppositely.

1,460,456. ANTIRATTLER. THOMAS W. TITUS, South Haven, Kans. Filed Sept. 8, 1922. Serial No 586,967. 2 Claims. (Cl. 74—39.)



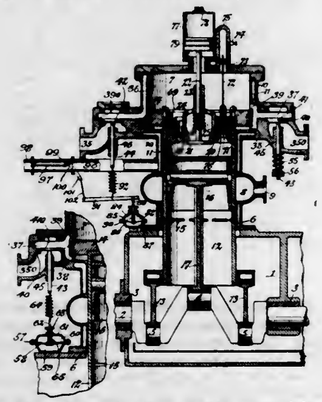
1. In combination with a steering column including spark and gas rods, an anti-rattler provided with felt portions to allow said spark and gas rods to rotate, but to guard against lateral movement thereof.

1,460,457. LANDMARKER FOR PLANTERS. HARRY R. TRAPHAGEN, Rockford, Ill., assignor to Emerson-Brantingham Company, Rockford, Ill., a Corporation of Illinois. Filed July 8, 1920. Serial No. 394,827. 4 Claims. (Cl. 97—230.)



1. A device of the character described, comprising in combination with a transverse supporting member, a marker bar, a yoke the arms of which embrace said supporting member and extend forwardly therefrom, the marker bar being interposed between the vertically spaced arms of said yoke and pivotally secured thereto by means of a bolt on a vertically disposed axis, whereby the marker bar is adapted to swing horizontally upon said bolt, and means connecting the medial portion of said yoke to said supporting member and permitting the yoke and marker bar to swing vertically about a transverse horizontal axis and to oscillate about a fore-and-aft horizontal axis, such oscillation being limited by contact of the yoke arms against the supporting member.

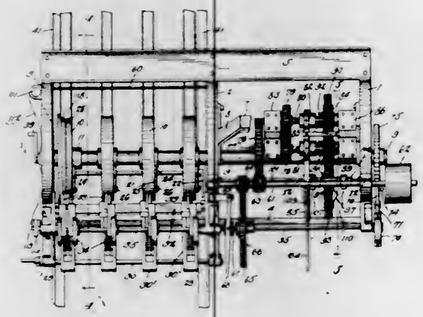
1,460,458. INTERNAL-COMBUSTION ENGINE. FRANK S. WAHL, North Tonawanda, N. Y. Original application filed Nov. 30, 1917, Serial No. 204,571. Divided and this application filed Mar. 27, 1920. Serial No. 369,412. 2 Claims. (Cl. 123—119.)



1. An internal combustion engine comprising a fuel supply conduit, a movable valve for controlling said

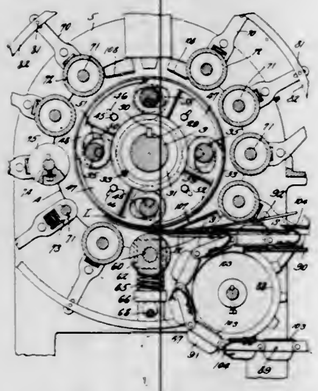
conduit, and means for adjusting the extent of opening of said valve, comprising a spring connected with said valve, a shell containing two chambers which are separated by a flexible diaphragm which is connected with said spring, one chamber being open to the atmosphere and the other closed to the atmosphere, and a thermostatic element responsive to changes in the temperature of the engine and operatively connected with said valve.

1,460,459. BARREL-MAKING MACHINE. JOSEPH L. WALKER, Baton Rouge, La., assignor to The K-D Barrel & Hamper Co., Baton Rouge, La. Filed Oct. 21, 1922. Serial No. 596,035. 18 Claims. (Cl. 147—1.)



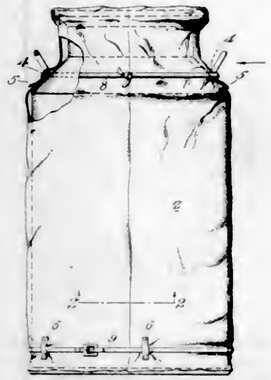
1. In a barrel making machine a former, a carriage, means cooperating with the former for gripping one end of a hoop strip, means on the carriage for gripping the other end of the hoop strip, means for rotating the former to wrap the hoop strip thereon and actuate the carriage, and means for automatically releasing the hoop strip from the carriage.

1,460,460. MACHINE FOR MAKING BARRELS. JOSEPH L. WALKER, Baton Rouge, La., assignor to The K-D Barrel & Hamper Co., Baton Rouge, La. Filed Dec. 19, 1922. Serial No. 607,828. 14 Claims. (Cl. 147—1.)



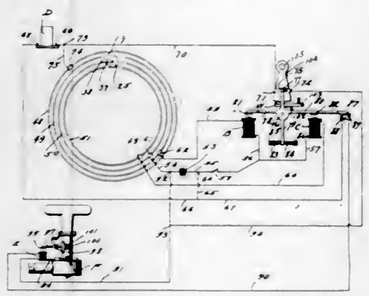
1. In a barrel making machine the combination with a former, of an endless carriage, means on the carriage for gripping hoop strips at one end, rotatable means cooperating with the former for gripping the hoop strips at the other end, and for causing it to conform to the former, and means for actuating the former and the rotatable means to bend the strips upon the former and actuate the carriage.

1,460,461. SANITARY AND TEMPERATURE-INSULATING JACKET FOR MILK CANS. WALTER A. WEST, Elkhorn, Wis. Filed Oct. 4, 1920. Serial No. 414,419. 2 Claims. (Cl. 220—9.)



1. A jacket adapted to enclose a milk can or the like, made of an inner and outer layer of waterproofed textile fabric and a loosely-interposed layer of paper, all the layers being secured together at marginal and seam lines; whereby air layers are retained between the waterproofed layers and the paper layer, the layers being all of such thinness and looseness of relation to each other as to render the jacket as a whole flexible and collapsible.

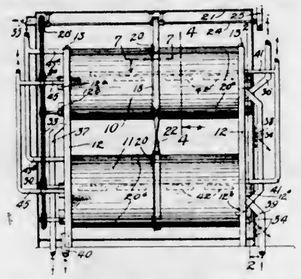
1,460,462. SYSTEM OF CONTROL FOR THE CARBURETING AND IGNITING DEVICES OF INTERNAL-COMBUSTION ENGINES. WILLIAM G. WILL, Fairview, Ill. Filed July 19, 1918. Serial No. 245,788. 6 Claims. (Cl. 123—102.)



1. A system for automatically controlling the ignition and fuel of an internal combustion engine, which comprises a fly wheel having a rotatable element mounted transversely thereof, a contact and a switch arm carried by said member, a plurality of spaced and insulated rings on said fly wheel and engageable by the switch arm, said contact engaging constantly with one of the rings, electric circuits including a source of electric energy connected with the rings, means for operating said member and therefrom the switch, and electro-magnetic devices for automatically controlling the ignition circuit and the valve of the carburetor.

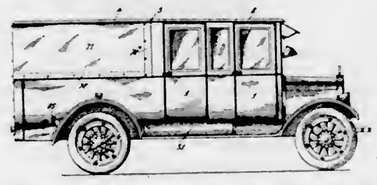
1,460,463. GRAIN SEPARATOR. ORA WOOD WILLIAMS, Minneapolis, Minn. Filed Oct. 31, 1921. Serial No. 511,727. 13 Claims. (Cl. 130—18.)

1. A separator of the kind described comprising a rotary drum provided with internal pockets, said pockets having perforated bottoms, and an air tube arranged to blow a downward blast against the interior of the drum



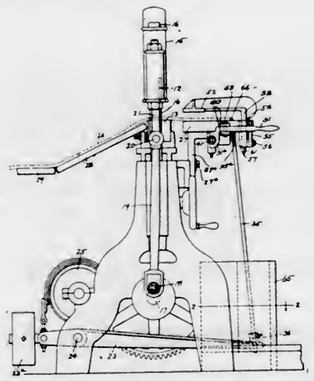
on the rising side thereof approximately parallel to the inner surface of the drum.

1,460,464. TOURING AND CAMPING CAR. ROLAND A. WILSON, Tampa, Fla. Filed Oct. 1, 1921. Serial No. 504,628. 12 Claims. (Cl. 296—23.)



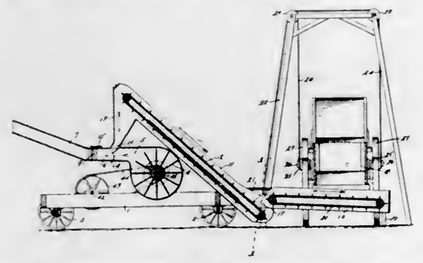
1. In mechanism of the class described, a berth comprising a frame formed of substantially rectangular inner and outer bent wood members in superposed relation, the inner surface of the inner member being substantially flush with the outer surface of the outer member, means for securing said members together, a fabric stretched across the lower face of the outer member and a webbing stitched to the fabric and secured to the upper face of the inner member.

1,460,465. SAFETY MEANS FOR CUTTING MACHINES. GEORGE H. WOOD and FRED L. CAPEN, Boston, Mass. Filed Sept. 11, 1920. Serial No. 409,677. 6 Claims. (Cl. 192—131.)



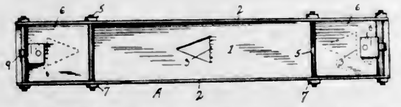
6. A cutting-machine comprising a movable cutter; a cutting bed; operating mechanism having provisions for depressing and raising the cutter; a cutter-starting element formed and arranged to be grasped by one hand of an operator; automatic means normally locking said starting element in an inoperative position, said automatic means including an unlocking element formed and arranged to be grasped and moved by the other hand of the operator to unlock the starting element, the arrangement being such that the use of both hands of the operator is required to cause the operation of the machine; a work-supporting table adjacent to the cutting bed; and a normally raised and inoperative clamping member adapted to confine the work on said table, means being provided whereby the operator may depress said member to render the same operative while both hands are employed in causing the operation of the machine.

1,460,466. LOADING AND UNLOADING APPARATUS. JAMES ALVIN WORSHAM, Maroa, Ill. Filed Mar. 6, 1920. Serial No. 363,660. 1 Claim. (Cl. 302—12.)



In a portable loading and unloading device, a movable supported frame, a blower mounted upon the frame, a pneumatic tube through which the blower discharges, said pneumatic tube being provided with an inlet through the upper side thereof a chute extending upwardly from the inlet, an inclined conveyor carried by the frame and communicating at its upper end with the chute, and a hopper swingingly supported at one end upon the frame with the attached end thereof in communication with the inclined conveyor, said hopper being adapted for movement from a position in which it is substantially horizontally disposed and in which the free end thereof is positioned rearwardly of the frame to a position in which th free end thereof is positioned above the frame.

1,460,467. RAILWAY TIE. ORAN YARNELL, Salt Lake City, Utah. Filed Jan. 15, 1923. Serial No. 612,789. 1 Claim. (Cl. 238—286.)

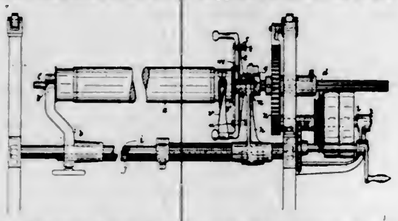


In a railway tie the combination of a channel made from sheet metal having portions struck from the general plane to form drain ports and soil engaging lugs; a cushion block in each end portion of said channel; angle straps bent to fit the upper face and end of each cushion block; bolts passed through the sides of said channel and said straps adjacent the ends of said cushion blocks to hold said blocks in place; and nuts screwed on said bolts to draw the sides of said channel against said blocks.

1,460,468. BEAM SUPPORT. GEORGE ADSIT, Paterson, N. J., assignor to Benjamin Eastwood Company, Paterson, N. J., a Corporation of New Jersey. Filed Feb. 27, 1922. Serial No. 539,431. 2 Claims. (Cl. 54—10.)

1. Beam supporting means including a bearing, a revoluble support therein having a laterally open recess extending to its end and within the bearing and adapted to receive the beam trunnion, the bearing having a slot

with which the recess is adapted to register on revolving the support, and a retaining member revoluble in and around the axis of the support and having a lateral



recess forming a seat for the beam and adapted on revolving said member to stand in or out of registry with the recess of the support.

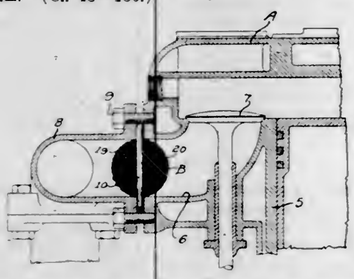
1,460,469. COMPUTING MACHINE. LOUIS L. ANSART, New York, N. Y., assignor to Underwood Computing Machine Company, New York, N. Y., a Corporation of New York. Filed Jan. 25, 1921. Serial No. 439,723. 22 Claims. (Cl. 235—60.)



1. In an algebraic computing machine, in combination, dials having figures to represent positive values, and other figures to represent negative values, each dial having one set of one kind of figures and two sets of the other kind, and means whereby attention may be directed to a row of figures of the first set to give a correct reading of a result corresponding to the kind of figures in said set, and whereby attention may be directed to a row of figures of the other two sets from which results of the corresponding kind may be read.

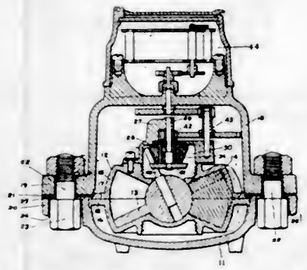
4. In an algebraic computing machine, in combination, a series of dials, each having a series of positive digits and two series of negative digits, said digits arranged one under another upon said dials, so that, on one side of each positive digit, there is a negative digit complementary to the base nine, and on the other a negative digit complementary to the base ten, and means to indicate a row of digits from which results may be read, a positive result or the complement of a negative result being read from the positive digits, and, in case of the latter, the correct negative result being read from the negative digits complementary to the base nine until the last significant figure of the complement of the negative result is reached, and then from the negative digits complementary to the base ten.

1,460,470. VAPORIZER AND MIXER FOR INTERNAL-COMBUSTION ENGINES. JOSEPH ASKINS, Lima, Ohio. Filed May 22, 1922. Serial No. 562,781. 1 Claim. (Cl. 48—180.)



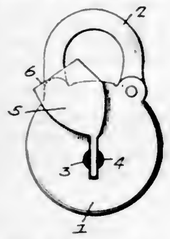
In an internal combustion engine, the combination with an engine including a cylinder having an intake port and an intake manifold communicating with the cylinder, of a fuel vaporizer comprising a supporting gasket disposed between the intake manifold and the intake port, a pair of foraminous semi-spherical bodies secured to said gasket, one of said bodies being formed of a finer wire mesh than the other body and disposed entirely within the intake portion, the other body being disposed entirely within the intake manifold.

1,460,471. LIQUID METER. ROBERT S. BASSETT, Buffalo, N. Y. Filed June 1, 1921. Serial No. 474,150. 4 Claims. (Cl. 73—98.)



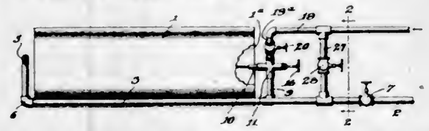
1. In a liquid meter, the combination with a gear plate, of a driven pinion shaft bushing engageable with and supported by the gear plate, and comprising a metallic shell, an internal insert supporting flange and a bearing insert supported by said flange substantially as and for the purpose described.

1,460,472. DETACHABLE KEYHOLE SEAL FOR PADLOCKS. THOMAS W. BENSON, Philadelphia, Pa., assignor to Miller Lock Company, Philadelphia, Pa., a Corporation of Pennsylvania. Filed May 13, 1921. Serial No. 469,232. 4 Claims. (Cl. 70—97.)



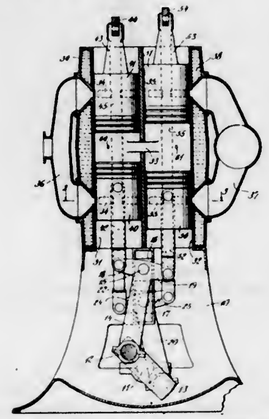
1. A plate for sealing the keyhole of a padlock, said plate having a portion engaging the lock casing and having a perforated portion through which one leg of the shackle is passed to hold the plate in position to prevent the insertion of a key in the keyhole.

1,460,473. FLUID-FUEL BURNER. JOHN A. BISHOP, Clearwater, Fla. Filed June 7, 1921. Serial No. 475,657. 9 Claims. (Cl. 158—53.)



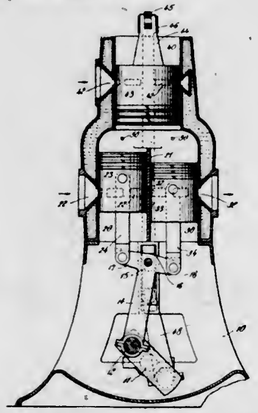
9. The combination of a fuel conductor having a heat absorbing surface, said conductor terminating in a nozzle arranged to direct its discharge adjacent said heat absorbing surface, a needle valve for controlling the flow of fuel from said nozzle, a pipe adapted to convey an atomizing fluid into said nozzle, means in said pipe for controlling the flow of said atomizing fluid to said nozzle, and a connection between said pipe and a point in said fuel conductor distant from said nozzle and adapted to divert from said pipe through said conductor for cleaning purposes.

1,460,474. INTERNAL-COMBUSTION ENGINE. WILHELM B. BRONANDER, Montclair, N. J. Filed Nov. 17, 1919. Serial No. 338,694. 22 Claims. (Cl. 123—51.)



12. An internal combustion engine comprising a pair of cylinders provided with ports, a passage interconnecting said cylinders intermediate the ends thereof, a pair of pistons in each cylinder, a shaft having crank pins of unlike angularity, guides transverse to the shaft, connecting rods between the crank pins and the guides, transverse projections from opposite sides of each connecting rod near its guided end, links between the pistons and said projections, said pistons being arranged to open and close the cylinder ports, and means for injecting oil into the cylinders between the pistons.

1,460,475. INTERNAL-COMBUSTION ENGINE. WILHELM B. BRONANDER, Montclair, N. J. Filed Sept. 16, 1920, Serial No. 410,624. Renewed Dec. 11, 1922. 12 Claims. (Cl. 123—53.)



1. An internal combustion engine comprising a pair of cylinders with like ends thereof connected, an inlet port in one cylinder, an outlet port in the other cylinder, pistons in the cylinders arranged to control said ports, a crank shaft, a connecting rod having a cross arm operatively connected with the pistons and arranged to cause said pistons to move out of step to open and close said ports in desired sequence, a third cylinder connected at one end with the connected ends of the first mentioned cylinders, a piston in the third cylinder and a connection between the third cylinder piston and the crank shaft.

1,460,476. WELDING COMPOUND. JAMES R. CAMPBELL and JAMES L. REYNOLDS, Scottdale, Pa. Filed Oct. 7, 1921. Serial No. 506,113. 3 Claims. (Cl. 148—25.)

3. A welding compound consisting of 5 to 10 per cent of oxide of iron, 15 to 30 per cent of black manganese dioxide, and 80 to 60 per cent of borax, all commingled and mixed together to form an even mixture.

1,460,477. SEAMLESS STOCKING AND METHOD OF MAKING SAME. WILLIAM H. CARTER, Needham Heights, Mass. Filed Feb. 3, 1922. Serial No. 533,834. 11 Claims. (Cl. 66—4.)



1. As a new article of manufacture, a seamless or circular knit stocking having the heel thereof narrowed and widened, the corresponding ends of the narrowing courses and the corresponding ends of the widening courses being connected by floated threads.

1,460,478. DEVICE FOR REPLACING FUSE WIRE AND FOR INDICATING BLOWN-OUT ELECTRIC CIRCUITS. PHIL DAVIES, Woollahra, New South Wales, Australia. Filed Dec. 9, 1919. Serial No. 343,588. 10 Claims. (Cl. 200—125.)

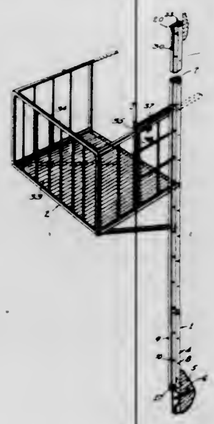


1. In a device for replacing fuse wire and for indicating blown out electric circuits, a spool and spool box adapted to carry a coil of fuse wire, two curved arms integral with the spool box, one of said arms being provided with a recess, a corresponding tooth to fit into the recess, and means on the arms through which the fuse wire may be threaded and held stretched from one arm to the other for the purpose herein described.

1,460,479. FOLDING LADDER. ALBERT S. DIXON, Los Angeles, Calif. Filed Apr. 18, 1922. Serial No. 555,317. 5 Claims. (Cl. 228—36.)

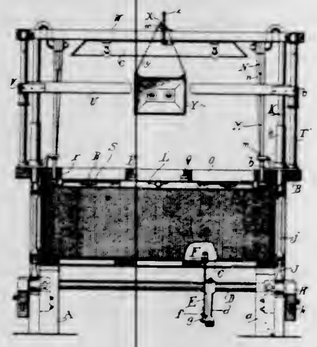
1. A second story landing having a floor and a railing extending upwardly from the floor, a folding ladder

extending downwardly from above the railing and against the outside of the railing, and a rigid ladder extending



from the floor to the top of the railing so that a person may climb up the rigid ladder over the railing to the folding ladder.

1,460,480. RADIATOR REPAIR MACHINE. MARTIN GERBER, Iowa City, Iowa. Filed Sept. 11, 1922. Serial No. 587,606. 5 Claims. (Cl. 73—51.)



1. In a radiator repair machine, the combination with a stand, of a tank carried by the stand, a frame constructed to enter the tank, means for raising and lowering the frame and for holding it in intermediate positions, and a turntable ring provided with cross-pieces and carried by the frame and movable with the said frame into and out of the tank.

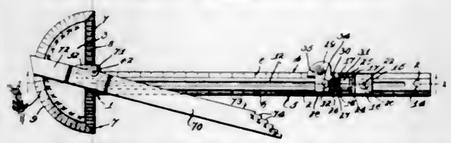
1,460,481. FOUNTAIN PEN. DAVID A. GLUSHAK, Washington, D. C. Filed Nov. 9, 1921. Serial No. 514,004. 2 Claims. (Cl. 120—47.)

1. In a fountain pen, the combination of an outer barrel having an annular shoulder projecting interiorly near its end, an inner barrel slidably mounted in the outer barrel, said inner barrel having an annular shoulder near its inner end projecting outwardly and adapted to abut against the shoulder of the outer barrel, means for the escape of air from the space between the barrels on the outward stroke of the inner barrel, a rod affixed



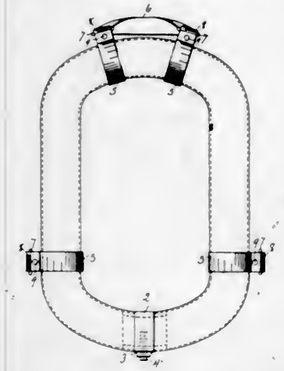
to the inner surface of the end of the inner barrel and extending longitudinally of said barrel for approximately the entire length and spaced from the walls of the barrel.

1,460,482. DRAFTING INSTRUMENT. CHARLES FREMONT GOLDEN, Denver, Ind. Filed Aug. 30, 1922. Serial No. 585,188. 1 Claim. (Cl. 33—75.)



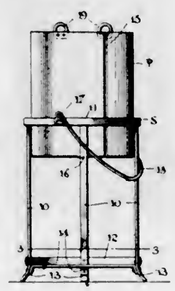
In an instrument of the class described, a main member comprising a body and a head, the head having a protractor scale and an arm pivoted to the main member and cooperating with the body to define angles, the arm being provided with laterally offset edges forming subdivisions of the unit of the protractor scale.

1,460,483. LIFE BUOY. GUSTAVE HAACK, Madison, Wis. Filed Jan. 21, 1922. Serial No. 530,953. 1 Claim. (Cl. 9—17.)



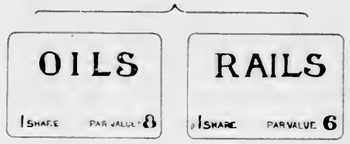
In a life buoy, a metal tubular air chamber of convenient form to be secured to a person across and in front of the body just below the neck, thence down both sides and across the waist and connected at the lower ends by a tubular coupling, in which is located an air admitting check valve, in combination with adjustable metal bands disposed around the outside of the air chamber for attaching neck, and waist straps, for securing the buoy to a person.

1,460,484. COMBINED PAIL AND STAND. ALBERT GEORGE HARRINGTON, Birmingham, Mich. Filed July 11, 1922. Serial No. 574,216. 1 Claim. (Cl. 248—41.)



In combination, a pail having a plurality of grooves or channels formed longitudinally thereof and in its outer surface, a stand comprising a frame, open at its upper end and adapted to telescopically receive the pail, cross members adjacent the bottom of the frame adapted to support the pail, studs carried by said frame one for each of the grooves, said studs being adapted to permit free upward and downward movement of the pail and when said pail is moved upwardly and above said studs and rotated to bring the same out of alignment with the grooves, said studs being adapted to engage the bottom of the pail and support the same in an elevated position and within the frame.

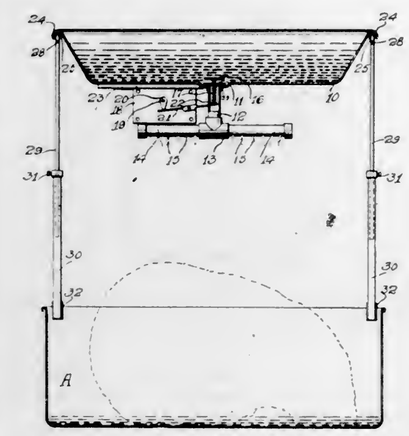
1,460,485. APPLIANCE FOR PLAYING AN IMPROVED CARD GAME. ALBERT EDWARD HARVEY, Streetley, England, assignor of one-half to George Edward Folkes, Birmingham, England. Filed Dec. 31, 1919. Serial No. 348,714. 1 Claim. (Cl. 46—25.)



A game set comprising two packs of cards, one pack consisting of a plurality of stock cards having designated thereon the par value of the stock, the other pack consisting of a plurality of quotation cards, said quotation cards determining the market value in play of the stock cards.

1,460,486. AUTOMATIC BASTER FOR COOKING. HELEN IRENE HARVEY, Butte, Mont. Filed June 19, 1922. Serial No. 569,206. 8 Claims. (Cl. 53—6.)

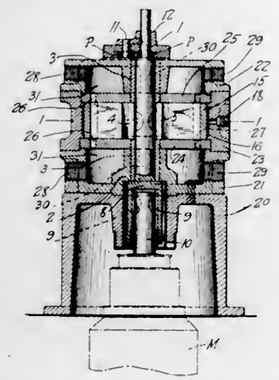
1. A basting attachment for roasting pans comprising a container having means whereby it may be supported above the roasting pan, a perforated outlet pipe operatively connected to the container and discharging upon



the material in the roasting pan, a valve controlling the discharge from said outlet pipe, and means automatically causing the opening of the valve at uniform intervals

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1,460,487. ROTARY COMPRESSOR, EXPANDER, MOTOR, AND PUMP. WILFORD J. HAWKINS, Montclair, N. J. Filed Sept. 16, 1921. Serial No. 501,073. 4 Claims. (Cl. 103—136.)

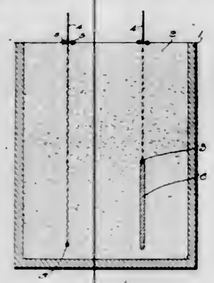


1. In a device of the character described, a rotor casing, an upper casing member, a lower casing member, a plate between said upper casing member and said rotor casing, a plate between said lower casing member and said rotor casing, intake ports and outlet ports in each of said plates, intake connections and outlet connections on each of said casing members, and a base member.

1,460,488. PROCESS OF AND APPARATUS FOR MAKING SHEET GLASS. WILLIAM E. HEAL, Washington, D. C. Filed Jan. 17, 1921. Serial No. 437,909. 7 Claims. (Cl. 49—3.)

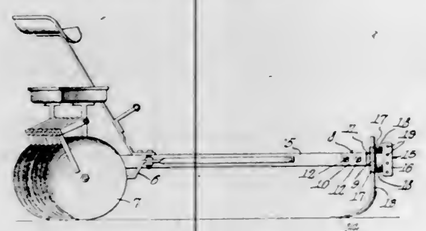
7. An apparatus for forming sheet glass comprising a receptacle adapted to receive a body of powdered, fu-

ished glass, a movable member arranged therein, means for heating said member, and a pair of spaced rods ar-



ranged at the top of said tank, said rods being capable of being heated for polishing the sheet glass formed.

1,460,489. SHOE FOR DISK HARROWS. CLARENCE M. JACOBS, Butler, Ky. Filed May 26, 1922. Serial No. 563,860. 5 Claims. (Cl. 278—87.)

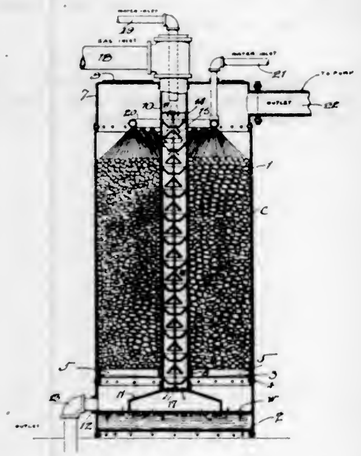


1. The rear clevis having a socket to be secured to the tongue of a disk harrow or the like, said rear clevis embodying a substantially vertical sleeve, a substantially vertical shaft pivotally mounted within the sleeve, a ground engaging shoe carried by the lower end of the shaft and being longitudinally curved and increasing in curvature forwardly, a front clevis embodying a substantially vertical plate having a pair of strap ears receiving the shaft above and below the rear clevis, said substantially vertical plate having vertically spaced means for connection with a draft appliance which may be attached to the plate at different elevations, and means for effecting a clamping engagement between the strap ears and the substantially vertical shaft whereby the shaft is held against turning movement under ordinary working conditions and may turn when the shoe is subjected to an abnormal force tending to shift it laterally.

1,460,490. GAS SCRUBBER. HORACE G. JOHNSTON, Corsicana, Tex., assignor to Genevieve Johnston, Corsicana, Tex. Filed July 16, 1920. Serial No. 396,665. 7 Claims. (Cl. 261—96.)

1. In a gas scrubber, a container adapted to inclose scrubbing material and having a gas outlet at one end, a gas inlet pipe entering said container at the outlet end continuing thereinto and opening adjacent at the opposite end, baffling means in the pipe, and means for discharging water onto said baffling means and into the container around said pipe.

7. In a gas scrubber adapted to remove oil, tar and other liquids from gas produced from coal or the like, a container, a drain pipe so disposed as to maintain a constant level water seal in said container, a gas washing and condensing conduit entering said container and extending downward therein, said conduit having an enlarged lower discharge end below the water level adapted to permit the issuing gas to pass upward in relatively small bubbles well distributed throughout the



water, a gas outlet, means for showering scrubbing water within the container around the inlet conduit and means for admitting water direct to said conduit.

1,460,491. CONVEYING AND SCREENING APPARATUS. EUGENE E. LANDAHL, Oak Park, Ill. Filed Nov. 22, 1920. Serial No. 425,881. 18 Claims. (Cl. 83—56.)

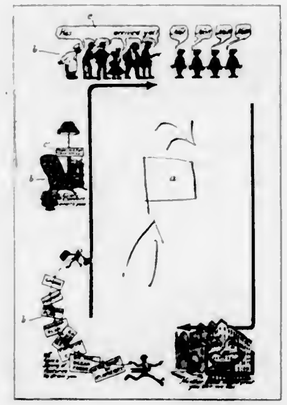


1. Conveying and screening apparatus comprising, means providing a traveling conveying and screening surface inclined upwardly and then downwardly between a point of feed and a point of discharge whereby material carried by said surface will be agitated and a conveyor-trough for screened material under said conveyor and screening surface and extending throughout the area of upward and downward inclination of said surface.

1,460,492. COMMUNICATION SHEET. HARRY L. LATZ, Atlantic City, N. J. Filed Mar. 31, 1920. Serial No. 370,140. 2 Claims. (Cl. 283—56.)

1. A communication sheet provided with a blank space adapted to receive a communication inscription, a border for said space initially produced upon said sheet and defining a major portion thereof, said border including a plurality of pictorial representations, at least one of which has associated therewith a blank form intended to be subsequently filled in, by the writer of the communication, with an inscription to complete the design of the representation and its associated form, said representation and the words of said form being of such a character as, together with the inserted inscription, to have a definite meaning with respect to the addressee,

and the matter initially produced upon said sheet being of a general appearance such as to facilitate the filling in of said blank form with said subsequent inscription in



a manner to bear a close similarity in appearance to said initial inscriptions, whereby the completed whole has the appearance of having been initially produced upon said sheet.

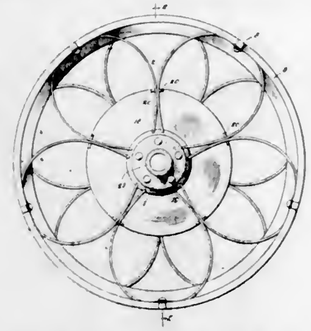
1,460,493. AGITATOR. EDWIN S. LEINAN, Fargo, N. Dak. Filed Sept. 5, 1922. Serial No. 586,234. 7 Claims. (Cl. 259—132.)



1. An agitator comprising a support, an inner plate shaped dasher, an outer loop shaped dasher, an intermediate loop shaped dasher, and operating means for said dashers.

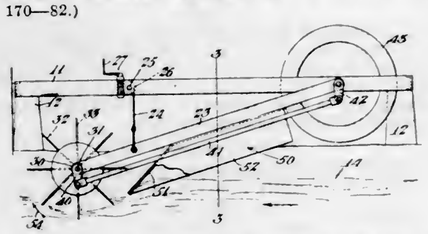
1,460,494. RESILIENT WHEEL. JAMES F. MILLER, Minden, La. Filed July 22, 1922. Serial No. 576,748. 5 Claims. (Cl. 152—30.)

1. In a wheel, the combination of a hub, a rim having a central annular rib upon its inner circumference, spokes consisting of bowed resilient bands having their ends secured in the hub and their outer intermediate bowed portions bearing against the inner circumference of the rim and against opposite sides of the central rib thereon, and clips fixed to the flanges of the rim and extending radially inward on the outer sides of said flanges and trans-



versely to the inner circumference of the rim and the bowed portions of the spokes and secured to the sides of the central rib upon the rim.

1,460,495. CURRENT MOTOR. HANS P. MOLANDER, Long Beach, Calif. Filed Aug. 11, 1921, Serial No. 491,395. Renewed May 16, 1923. 4 Claims. (Cl. 170—82.)



4. A current motor comprising: a frame adapted to be fixed over a moving stream of water; two bearings concentric about a single axis, one bearing fixed to one side of said frame and the other bearing fixed to the other side of said frame; two swinging arms, one pivoted on one of said bearings and the other pivoted on the other of said bearings; a shaft situated at the free end of said swinging arms; bearings carried on said swinging arms, in which said shaft is free to turn; a paddle wheel turning about the axis of said shaft; a curved imperforate current deflector carried between said arms and moving therewith and so shaped as to direct the force of said stream against the periphery of said wheel; and side wings so placed as to confine said force within definite channels, said deflector consisting of a sheet of material extending entirely across the face of the wheel and having any transverse lines therein parallel with the axis of the wheel.

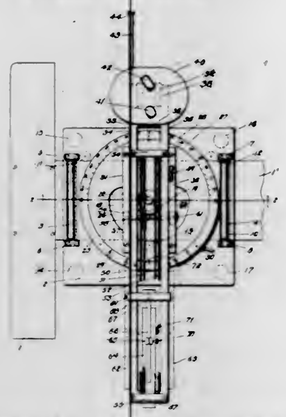
1,460,496. CAR ROOF. GEORGE C. MURRAY, Chicago, Ill. Filed Nov. 10, 1917. Serial No. 201,264. 6 Claims. (Cl. 108—5.4.)



1. In a car roof structure, a channelled member extending transversely of the car with its side walls directed upwardly and having flanges directed inwardly from the upper edges of said side walls, roof sheets overlapping said channelled member and seating on said

flanges, a cover plate mounted over said channelled member and overlapping said roof sheets, and means at intervals across the car for clamping said roof sheets between said cover plate and said flanges.

1,460,497. DRAFTING DEVICE. OLIVER E. NOBLE, Manhattan, Kans. Filed Apr. 14, 1922. Serial No. 552,697. 8 Claims. (Cl. 33—26.)



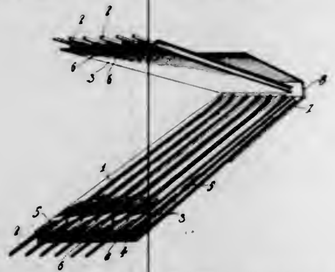
1. A device of the class described comprising a base, a rotatable plate on the base, a slidable frame carried by the rotatable plate, a slidable tool carrier on the slidable frame, means for fixing the rotatable plate rigid with respect to the base, and means for fixing the slidable frame rigid with respect to its plate.

1,460,498. COMBINED SHOCK ABSORBER AND OILING ATTACHMENT FOR VEHICLE SPRINGS. JOHN PEYREE, Salem, Oreg. Filed June 12, 1922. Serial No. 567,730. 3 Claims. (Cl. 267—50.)



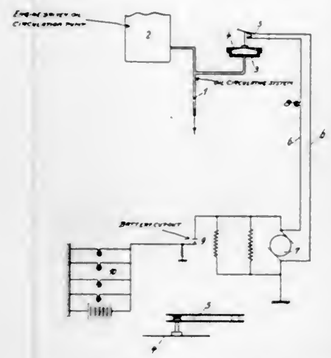
1. An oiling attachment for vehicle springs comprising a strip having oil supplying means on its inner face with its ends rolled to form attaching elements, and an open loop formed intermediate the ends of said strip to permit its longitudinal yielding to facilitate its attachment.

1,460,499. CONTAINER FOR FILES. FAYETTE RUMSEY PLUMB, Philadelphia, Pa. Filed May 28, 1921. Serial No. 473,299. 4 Claims. (Cl. 206—46.)



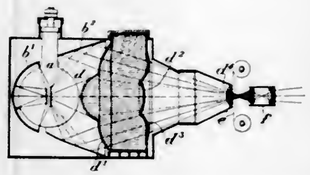
1. A package of files or the like, consisting of a plurality of plates each having a face provided with integrally formed parallel grooves and a plane back, said sheets being superposed face to back, files occupying said grooves, a folder enveloping one end of said plates and files, and an open-ended sheath surrounding the whole.

1,460,500. PLANT FOR THE SUPERVISION OF THE CIRCULATION LUBRICATION ON POWER CARS. MAX RALL, Stuttgart, Germany, assignor to Robert Bosch Aktiengesellschaft, Stuttgart, Germany. Filed May 26, 1922. Serial No. 563,992. 2 Claims. (Cl. 177—311.)



2. In a device of the class described, the combination, with an engine, an oil circulating system for said engine, and means driven by the engine for forcing oil under pressure through said system, of an electric lamp, a dynamo operated by said engine, an electric circuit connected directly to the terminals of said dynamo, said lamp being connected in said circuit, and means in said oil circulating system including a diaphragm for maintaining the electric circuit open when the oil in said system exceeds a certain pressure and to allow the circuit to close when the oil falls below a certain pressure.

1,460,501. LIGHT-PROJECTING APPARATUS. JAKOB RITTER, Basel, Switzerland. Filed June 3, 1921. Serial No. 474,704. 2 Claims. (Cl. 88—24.)



1. In a light projecting apparatus, the combination with a lamp of a catoptric light condenser and a dioptric light condenser, said dioptric light condenser comprising a liquid lens near to the lamp with a forward and rearward annular lenticular zone and a rear glass lens at a substantial distance beyond the liquid lens and being so arranged as to concentrate the rays from the catoptric light condenser through its annular lenticular zone to the said rear glass lens, substantially as and for the purpose described.

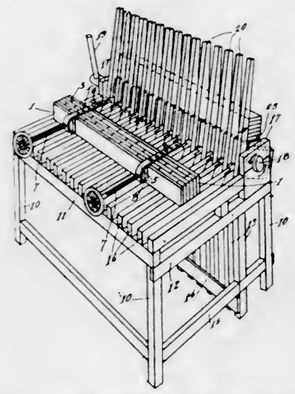
1,460,502. CHART HOLDER. THOMAS J. RUDESILL, Madison, Wis., assignor to Scanlon-Morris Co., Madison, Wis. Filed Oct. 7, 1922. Serial No. 593,157. 1 Claim. (Cl. 129—35.)

In a chart holder, a back and knuckles formed from sheet aluminum, a pin disposed through the knuckles, a torsion spring mounted on the pin between the knuckles, one end of the spring resting against the back, and the other disposed in a groove on the under side of a clip, in



combination with a clip so mounted on the pin that the weight of the holder when suspended from a hook in the wall, will force the front edge of the clip towards the back of the holder, as described and explained.

1,460,503. DOOR-CORE-ASSEMBLING DEVICE. EDWARD SATZGER, Sr., Cincinnati, Ohio. Filed Aug. 30, 1922. Serial No. 585,157. 3 Claims. (Cl. 144—281.)



1. In a device of the character described, a table formed of interspaced members, and a reel having interspaced arms thereon, set so as to pass between said members substantially for their full length and means for supporting the table members without interfering with the complete revolution of the reel, said interspaced arms having members thereon constituting lateral supports for a composite board structure at right angles to the arms.

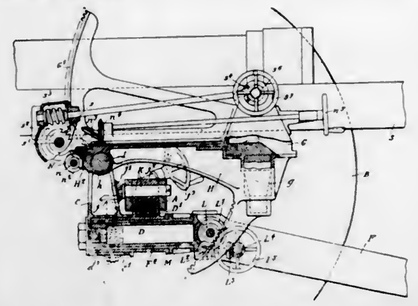
1,460,504. ANTISKID DEVICE. OTTO C. SCHAEFER, Hoboken, N. J. Filed Feb. 8, 1923. Serial No. 617,691. 1 Claim. (Cl. 152—14.)



An anti-skid device comprising articulated links, and ellipsoidal rollers bored longitudinally with semi-spherical cavities at their ends in which the eyes of the links are received to permit the rollers to lie in a curve conforming to the transverse curve of the tread.

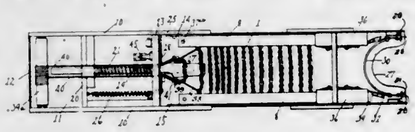
1,460,505. WHEELED GUN CARRIAGE HAVING DIVERGIBLE TRAILS. EUGÈNE SCHNEIDER, Paris, France, assignor to Schneider & Cie., Paris, France, a Limited Joint Stock Company of France. Filed Nov. 27, 1922. Serial No. 603,699. 5 Claims. (Cl. 89—40.)

1. A wheeled gun carriage comprising, in combination, an axle, a block pivotally secured thereto having a longitudinally extending bearing portion, a pair of divergible trails adapted to rock about said portion, a carriage head pivotally secured to said portion, a mount pivotally secured to said head, a pedestal having a pivot pin, means pivotally securing said pedestal to said mount, and means for moving said pivot pin to a vertical position from any inclined position.



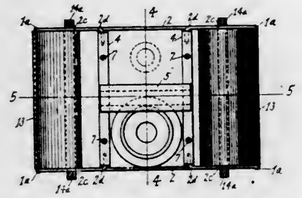
3. A wheeled gun carriage comprising, in combination, an axle, a transverse member having a longitudinally extending bearing portion, a bundle of leaf springs interposed between said member and axle, a pair of divergible trails adapted to rock about the longitudinal axis of said portion, a carriage head pivotally mounted on said portion, and means for moving said carriage in a vertical plane parallel to said axle about said portion.

1,460,506. TIRE-CHAIN-MOUNTING DEVICE. JOSEPH SCHNEIDER, Cincinnati, Ohio. Filed Jan. 4, 1921. Serial No. 434,949. 4 Claims. (Cl. 152—14.)



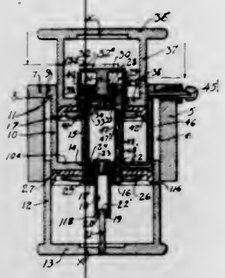
1. In a device of the character described the combination with a chain having a clamping element for engaging over a tire, of a container, and a slidable member therein for moving the chain, a rod on which the slidable member moves and a spring on the rod, a latch in the slidable member adapted to rest on the rod and a spring to retract the slidable member, and automatic means for lifting the latch from the rod in the outer position of the sliding member.

1,460,507. BLOTTING INKSTAND. JACOB GEORGE SCHWARTZ, Rockingham Township, Scott County, Iowa. Filed Feb. 2, 1922. Serial No. 533,511. 5 Claims. (Cl. 120—1.)



1. In a blotting inkstand, a pair of end braces having arc shaped bottoms, perpendicular ends, boxing means within the upper portion of their ends, other short brace means provided at upwardly disposed ends of the end braces, the last mentioned brace means being provided with vertical nib means suitable for securing the said end braces to the ends of a pair of sill members, which with said end brace members form a part of the frame work of said blotting-inkstand.

1,460,508. HYDRAULIC EXPANDING BAR. DAVY VANCE SICKMAN, Denver, Colo. Filed July 1, 1921. Serial No. 481,810. 7 Claims. (Cl. 138—10.)



3. In a hydraulic bar having a plurality of chambers arranged at spaced intervals, a cylindrical cup shaped wall member separating each chamber into two compartments, two oppositely arranged cup shaped main pistons telescopically connected with said wall member, a gasket connected to the bottom of said wall member and cooperating with the inside of one of said main pistons, a gasket carried by the other main piston and cooperating with the inside of said wall member, a tubular member secured to the bottom of said wall member and having one end extending into one compartment, the other end being provided with an inwardly directed flange, an auxiliary piston in said tubular member and lost motion connection between said auxiliary piston and one of said main pistons, a second auxiliary piston in said tubular member, a stem of non circular cross section attached to said last named auxiliary piston, a disc connected to the other end of said stem, a disc-like member slidably connected to said stem between said disc and piston, said disc-like member being firmly secured to the open end of said tubular member and lost motion connection between said disc and the other main piston whereby the latter will move the second named auxiliary piston as it approaches the end of its stroke.

1,460,509. VANITY BOX. RALPH WM. WILSON, New York, N. Y. Filed Oct. 6, 1922. Serial No. 592,706. 2 Claims. (Cl. 132—83.)



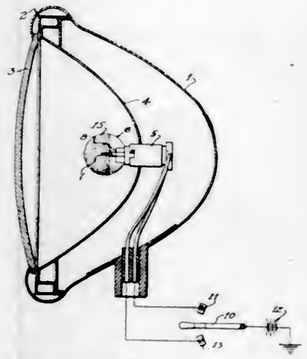
1. In a device of the character described, the combination with a box having an inner and outer cover hinged at opposite sides of the box, a powder compact in said box, a powder puff for said powder, a mirror mounted inside of the inner cover, a vertical wall on said cover, adapted to telescope inside the vertical wall of the powder compartment of the box, a flange on said inner cover adapted to engage and abut the upper edge of the side wall of the box, an outer cover having peripheral walls which telescope the outside of the side walls of the box and abut the shoulder formed thereon, the flange on the inner cover being fitted to the inside of the wall of said upper cover, a rouge compact on the inside of said outer cover.

1,460,510. PRESERVING COMPOUND FOR PISTACHIO NUTS. SALIM F. ZALOOM, New York, N. Y., assignor to Royal Nut Company, a Corporation of New York. Filed June 21, 1922. Serial No. 569,972. 4 Claims. (Cl. 99—1.)

3. A compound for application to pistachio nuts comprising the following ingredients in substantially the proportions specified, namely, 100 pounds sodium chloride, 2 pounds gum arabic and 40 gallons of water.

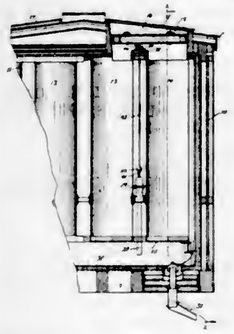
4. The method of treating pistachio nuts which consists of spraying them with an aqueous solution of sodium chloride and gum arabic while the nuts are passing through a roaster.

1,460,511. HEADLIGHT. JAMES M. RICHARDSON, Highland Park, Mich., assignor to Tulite Auto Bulb Company, New York, N. Y., a Corporation of Michigan. Filed Aug. 28, 1919. Serial No. 320,406. 2 Claims. (Cl. 240—48.6.)



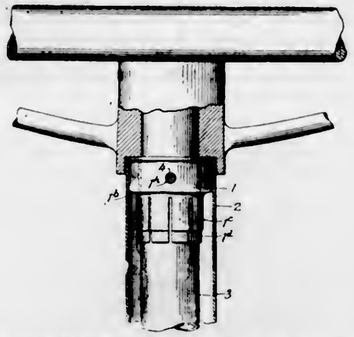
1. A vehicle head light comprising a reflector having a focal center, a bulb having two filaments, the first of which is located approximately at the focal center and the second a distance from the first but in approximately the same vertical plane, said bulb being frosted over its front surface and back sufficiently far to diffuse all direct rays visible from the front and all reflected rays except enough to make a small central concentrated beam of light.

1,460,512. REFRIGERATOR CAR. GEORGE T. ROHRBACK, Buffalo, N. Y. Filed Dec. 26, 1922. Serial No. 608,902. 3 Claims. (Cl. 62—19.)



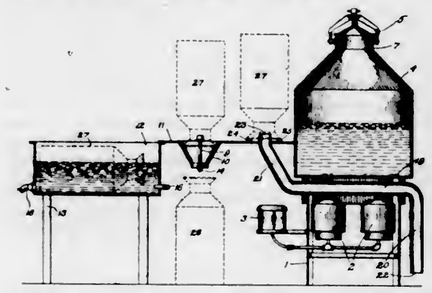
1. In a refrigerating car, the combination of a tank having an outlet, a valve controlling the outlet, and including an upright casing, a valve seat therein, a valve plug for said seat, a valve stem connecting with said plug and projecting upwardly through the casing, an overhead support, a fulcrum bracket on the support and having upwardly opening bearings with a passage between them, a lever bifurcated at one end, having integral trunnions mounted in the bearings and an integral pintle between the furcations, a hook rod for detachably connecting the pintle and the valve stem and resilient means for seating said valve and for preventing accidental disengagement of said hook rod.

1,460,513. ANTIRATTLING BUSHING. DAVID E. ROSS, La Fayette, Ind., assignor to Ross Gear & Tool Company, La Fayette, Ind., a Corporation of Indiana. Filed May 24, 1922. Serial No. 563,422. 19 Claims. (Cl. 74—39.)



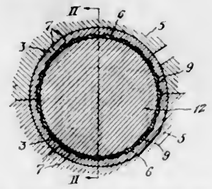
1. A bushing adapted to be mounted in the casing of a steering post and surround the steering shaft and having spring fingers adapted to engage the steering shaft, for the purpose specified.

1,460,514. CAN-STERILIZING APPARATUS. RICHARD SEGGERMAN, Fairbury, Nebr. Filed June 13, 1921. Serial No. 477,077. 3 Claims. (Cl. 141—7.)



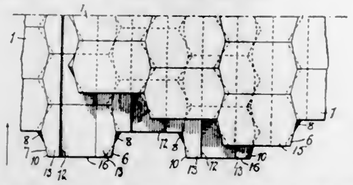
1. A device of the class described comprising a wash tank and a steam generator spaced one from the other, a table bridging the gap between them and supported by the wash tank and steam generator, a funnel-shaped can-receiving member in the table, a steam nozzle extending through the funnel shaped member and connected to the steam generator, and means for controlling the steam admitted to the steam nozzle.

1,460,515. BEARING AND METHOD OF MAKING SAME. HARRY SELKER, Cleveland, Ohio, assignor to The Buckeye Brass and Manufacturing Company, Cleveland, Ohio, a Corporation of Ohio. Filed Sept. 29, 1921. Serial No. 504,147. 4 Claims. (Cl. 29—149.5.)



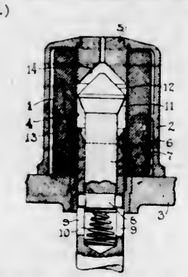
1. A method of manufacturing bearings consisting in, preparing the inner surface of a shell-like metallic supporting member for receiving and retaining a babbitt coating, by forming longitudinal slots therein, and covering with amalgamating material; and, then, locating the babbitt.

1,460,516. BUILDING CONSTRUCTION. MILTON ROY SHEEN, Philadelphia, Pa. Filed Apr. 30, 1920. Serial No. 377,756. 6 Claims. (Cl. 61—45.)



1. A building block having opposite end edge surface, converging side edge surfaces adjacent to each of said end surfaces, a tongue formed on each side edge surface extending throughout a portion of the length of the said side edge surface, and said block having a groove formed in each side edge surface extending throughout the portion thereof not occupied by the tongue, said blocks adapted to be forced endwise into a structure formed of similar blocks placed edge to edge.

1,460,517. ELECTROMAGNET. WILLIAM C. STEVENS, Milwaukee, Wis., assignor to The Cutler-Hammer Mfg. Co., Milwaukee, Wis., a Corporation of Wisconsin. Filed Apr. 22, 1918. Serial No. 230,014. 9 Claims. (Cl. 175—34.)

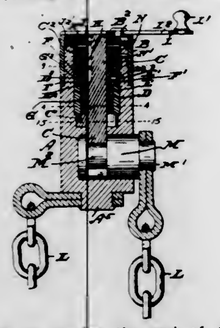


1. An electromagnet comprising a winding and relatively movable magnetic parts to be attracted thereby axially thereof, one of said parts having portions of different cross sectional areas adapted to provide in conjunction with the other of said parts a magnetic path for a portion of the magnetic flux of said winding including a plurality of air gaps bearing a series relation and to also provide a magnetic path for another portion of the magnetic flux of said winding exclusive of certain of said air gaps.

1,460,518. LOCK. PAUL SZYDLOWSKI, Detroit, Mich. Filed May 8, 1922. Serial No. 559,224. 11 Claims. (Cl. 70—19.)

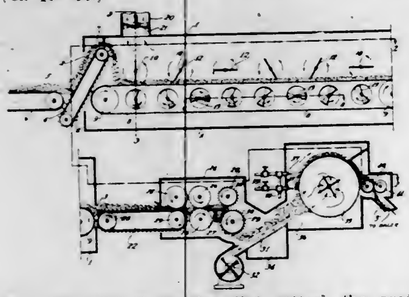
1. In a device of the character described; an enclosing case; a rotatable cap fitted to one end of the case provided with a plurality of graduations adapted to coordinate with indicating means on the enclosing case; a manually rotatable and longitudinally movable bolt secured to the cap having a laterally extending tongue; a washer keyed to the bolt having a lug adapted to engage any of a plurality of serrations formed in the wall of the enclosing case; a spring located between the rotatable cap and the washer; a plurality of rotatable coordinating tumblers housed in the case severally provided with slots adapted to be brought into registration with each other; means carried by the bolt adapted to rotate one of the tumblers and thereby the co-operating tumblers, whereby the slots of the respective tumblers may be

brought into registration with each other to receive the tongue projecting from the bolt, and a co-acting



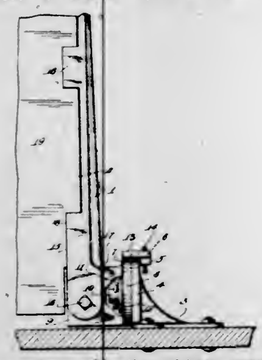
member adapted to receive the end of the bolt when longitudinally actuated, whereby a locked condition may be obtained.

1,460,519. PROCESS OF CLEANING AND CONDITIONING COTTON FOR SPINNING. PHILIP C. WADSWORTH, New York, N. Y., assignor to Cotono Corporation, New York, N. Y., a Corporation of New York. Filed June 6, 1921. Serial No. 475,212. 11 Claims. (Cl. 19—66.)



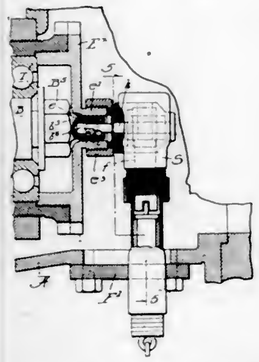
3. In the art of treating lint cotton, the process which consists in partially dehydrating the cotton of its natural moisture after it has been ginned, cleaning such cotton while in dehydrated condition, and subsequently restoring the natural moisture to the cleaned cotton.

1,460,520. SIGN AND ITS SUPPORT. WILLIAM J. WAAK, Columbus, Ohio. Filed Mar. 22, 1922. Serial No. 545,632. 4 Claims. (Cl. 40—125.)



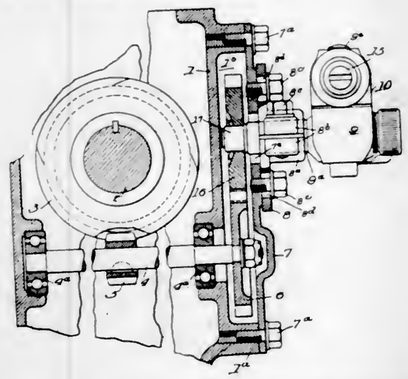
1. In a sign the combination of base members adapted to be rigidly secured in spaced relationship, sign holding standards movably connected with said base members, and means whereby said standards may be swung laterally or longitudinally to horizontal positions.

1,460,521. TRANSMISSION DRIVE FOR MOTOR-VEHICLE INSTRUMENTS. FREDERIK G. WHITTINGTON, Evanston, Ill., assignor to Stewart-Warner Speedometer Corporation, Chicago, Ill., a Corporation of Virginia. Filed Mar. 17, 1922. Serial No. 544,648. 4 Claims. (Cl. 74—7.)



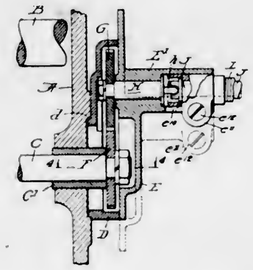
1. In a motor vehicle having a transmission casing at the rear of the motor, and a longitudinal propeller shaft of which the forward member is journaled in the transmission casing and is exposed at the forward side thereof; a supplemental housing member applied onto the forward side of the transmission casing around the exposed end of said propeller shaft member; a pair of intermeshed driving and driven spiral gears and a casing within which they intermesh, the margin of the opening in the supplemental housing and the spiral gear casing having the one a male and the other a female terminal adapted for engagement to close the opening in the supplemental housing, and means for engaging the driving gear of said pair with the propeller shaft when said terminals are engaged.

1,460,522. TRANSMISSION DRIVE FOR SPEEDOMETERS. FREDERIK G. WHITTINGTON, Evanston, Ill., assignor to Stewart-Warner Speedometer Corporation, Chicago, Ill., a Corporation of Virginia. Filed Apr. 3, 1922. Serial No. 549,192. 5 Claims. (Cl. 74—7.)



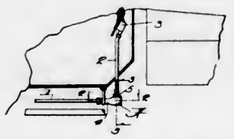
1. In an automobile vehicle in combination with a transmission casing, a transverse power driven shaft journaled therein and protruding therefrom; a gear demountably carried on the protruding end of said shaft; a supplemental housing member applied on the side of the casing through which said shaft protrudes enclosing said gear; a gear housing and intermeshing gears and their respective shafts therein demountably mounted on the supplemental housing with one of the shafts protruding thereinto, and a gear demountably carried by said last mentioned shaft meshing with the first mentioned gear in the supplemental housing.

1,460,523. TRANSMISSION DRIVE FOR SPEEDOMETERS AND THE LIKE. FREDERIK G. WHITTINGTON, Evanston, Ill., assignor to Stewart-Warner Speedometer Corporation, Chicago, Ill., a Corporation of Virginia. Filed Apr. 3, 1922. Serial No. 549,193. 4 Claims. (Cl. 74—7.)



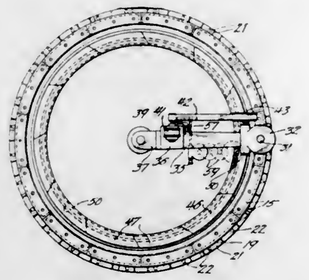
1. In combination with a transmission casing and a power shaft journaled therein and protruding at one end therefrom; a supplemental gear housing mounted against the outer side of the frame enclosing said protruded shaft; a cover plate for said housing mounted slidably on the supplemental housing; a driven shaft journaled in said cover plate intruding at one end into the housing chamber, and accessible at the other end for coupling, and a pair of intermeshing gears demountably mounted on said protruding and intruding shaft ends respectively.

1,460,524. ANGLE GEAR-HOUSING ADAPTER FOR FLEXIBLE SHAFTS. FREDERIK G. WHITTINGTON, Evanston, Ill., assignor to Stewart-Warner Speedometer Corporation, Chicago, Ill., a Corporation of Virginia. Filed Apr. 3, 1922. Serial No. 549,194. 2 Claims. (Cl. 74—7.)



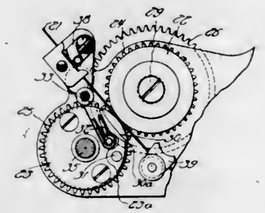
1. An angle-formed gear housing for interposing in a flexible shaft connection and the like, comprising an integral casing having its arms at an angle to each other, both axially chambered, said chambers intersecting and merging at the angle, one of said arms having a chamber extending throughout its full length and enlarged at the end outside the angle for admitting a gear onto the shaft therein, and being restricted in diameter at the further side of the intersection to form a shoulder for stopping said gear without journaling the shaft adjacent to the gear, said chamber being enlarged taperingly from said restriction toward the end of the arm, and provided with a journal bushing for the shaft in the end.

1,460,525. CIRCULAR-MILLING MACHINE. ALGOT A. WICKLAND, Chicago, Ill., assignor to Campbell, Wyant & Cannon Foundry Co., Muskegon, Mich., a Corporation of Michigan. Filed Mar. 25, 1922. Serial No. 546,601. 10 Claims. (Cl. 90—15.)



1. The combination in a surfacing machine of a vertical post imbedded in a concrete foundation, an arm revolvable about said post, a stationary annular support concentric with said post, said support comprising a plurality of segments anchored in a concrete foundation, means on said arm engaging said support, a stationary annular work table secured in a concrete foundation, a cutting tool on said arm adjacent said table, and means for revolving said arm.

1,460,526. WIRE STITCHER. JOHN WOLF, Cicero, and MARTIN BURGER, Chicago, Ill., assignors, by mesne assignments, to Ideal Stitcher & Mfg. Co., Chicago, Ill. Filed Sept. 13, 1919. Serial No. 323,658. 12 Claims. (Cl. 140—131.)

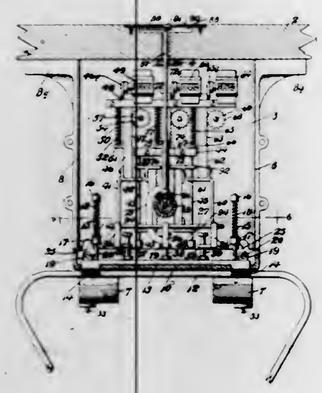


1. In a wire stitcher, wire feed mechanism comprising a pair of continually rotating feed rollers having opposed peripheral feed edges between which the wire is fed, with means for effecting an intermittent feeding of the wire by said rollers, said means including a metallic yieldingly mounted peripheral edge of one of the rollers.

1,460,527. POOL-TABLE REGISTER. CARL ABSMEIER, Grand Rapids, Mich. Filed Sept. 17, 1921. Serial No. 501,336. 6 Claims. (Cl. 235—91.)

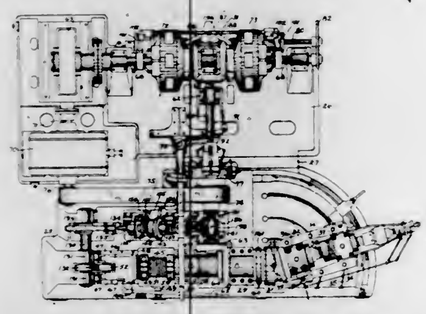
1. In combination, a casing, a plurality of registering counters located within the casing, said casing having openings to show the numbers on the counters, a plurality of vertically reciprocable bars mounted for vertical movements within the casing, one for each counter, means connecting the bars with the counters to operate the same on movements of said vertical bars, a latch bar located within the casing horizontally above the bottom of the casing, said latch bar having locking dogs projecting therefrom through the bottom of the casing,

means normally holding the latch bar in lower position, lugs located under the bottom of the casing on which a pool ball rack may be placed back of the locking dogs, means operatively connecting each of the vertical bars



with the latch bar to elevate the latch bar on upward movement of any one of the vertical bars, and means for individually elevating the vertical bars, substantially as described.

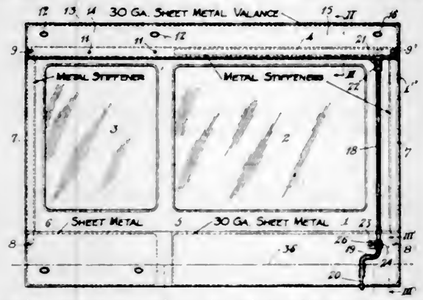
1,460,528. APPARATUS FOR ROLLING GEARS BY A NEW METHOD. HAROLD N. ANDERSON, Cleveland, Ohio. Filed Sept. 17, 1920. Serial No. 410,866. 35 Claims. (Cl. 80—16.)



12. In a machine for rolling gears, a gear blank holder, a shaft arranged to rotate in one direction, means driven by said shaft for rotating the holder alternately in both directions, means also driven by said shaft for rotating the holder continuously in one direction, a manually operable lever whereby one or the other of said means is put into operation and means whereby putting either into operation before operation of the other is suspended or prevented.

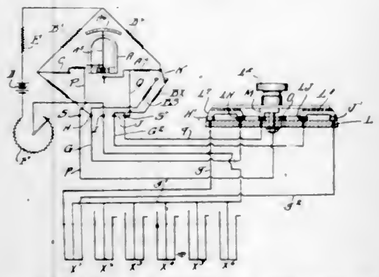
1,460,529. AUTOMOBILE INCLOSURE. GEORGE E. BISHOP, Cleveland, Ohio. Filed Jan. 20, 1922. Serial No. 530,574. 10 Claims. (Cl. 296—139.)

1. An automobile side inclosure adapted to be mounted upon the automobile door, comprising suitable curtain fabric; metallic strengthening means for said fabric; means for mounting the inclosure upon the door, said mounting means being connected to the fabric adjacent the upper edge of the latter; and mounting-receiving and



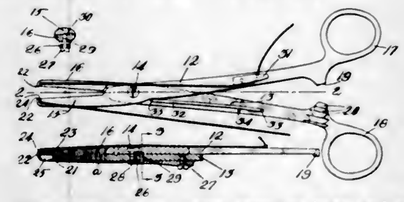
securing means secured to the fabric adjacent the lower edge of the latter, the mounting being turnable in said last-mentioned means.

1,460,530. METHOD OF AND APPARATUS FOR MEASURING ELECTRICAL RESISTANCES. RICHARD P. BROWN and CHARLES P. FREY, Philadelphia, Pa., assignors to Brown Instrument Company, Philadelphia, Pa., a Corporation of Pennsylvania. Filed Aug. 31, 1920. Serial No. 407,231. 4 Claims. (Cl. 175—183.)



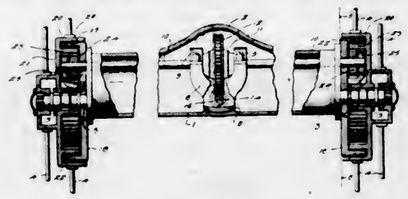
1. In apparatus for successively measuring the resistance of a plurality of resistance elements comprising a Wheatstone bridge circuit, means for establishing a potential difference between one pair of bridge leg junctions, a deflecting galvanometer connected between the other pair of bridge leg junctions, the improvement which consists in switch mechanism for successively cutting the different resistances into and out of the bridge circuit and including provisions for rendering the galvanometer inoperative during the period in which one resistance is being replaced by the other.

1,460,531. HEMOSTATIC FORCEPS. JOHN F. CALLAHAN, Brockton, Mass. Filed Feb. 18, 1921. Serial No. 445,949. 14 Claims. (Cl. 128—322.)



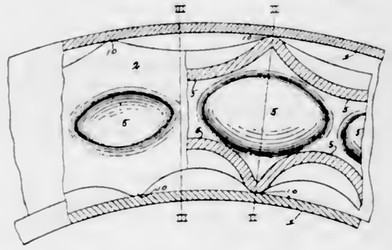
1. Hemostatic forceps having gripping jaws, and such jaws being provided with runways in their gripping faces adjacent to but back from the extremities of the jaws, said runways being adapted to contain a ligature cord and to guide a loop formed in such a cord to the substance gripped between the jaws.

1,460,532. DOUBLE-REDUCTION DRIVE FOR MOTOR VEHICLES. HARRY D. CLARKE, Plattsmouth, Nebr., assignor to The Ohio Tractor Company, Columbus, Ohio, a Corporation of Ohio. Filed Mar. 14, 1919. Serial No. 282,655. 2 Claims. (Cl. 74—7.)



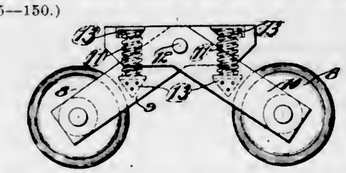
1. A differential including a housing, load carrying axles carried by said housing, wheels journaled on said axles, drive axles journaled in said housing and in a plane above and in vertical alinement with said load carrying axles, means connecting the drive axles to the wheels, and a power shaft driving said drive axles and located in a horizontal plane with the load carrying axles.

1,460,533. COMPRESSION INNER TUBE FOR TIRES. GEORGE R. COLBY, Portland, Oreg. Filed Sept. 17, 1921. Serial No. 501,303. 4 Claims. (Cl. 152—13.)



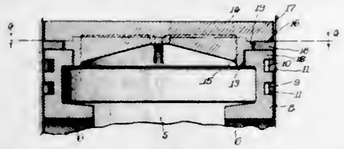
1. An inner tube for pneumatic tires having, in deflated condition, a contour to fit the inside of a shoe and provided throughout its entire area with a plurality of circumferentially extending series of indentations, which indentations, upon inflation of the tube within a tire, are forced outwardly by the filling air to compress the remainder of the tube mass, said series being separated by passive areas adapted normally to contact with the inside of the tire shoe, the passive areas being substantially continuous in straight lines circumferentially of the tube.

1,460,534. MONORAIL TRANSPORTATION SYSTEM. FREDERICK R. CORNWALL, St. Louis, Mo. Filed July 14, 1922. Serial No. 574,947. 5 Claims. (Cl. 105—150.)



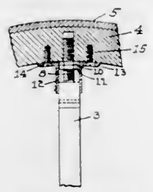
1. In a monorail carrier, a truck comprising tandem wheels, individual wheel pieces each journaled at one end on one of said wheels, crossing each other and having a pivotal interengagement at their crossing points, means supporting the opposite end of each wheel piece on the other wheel piece, and a load carrying member suspended from the point of interengagement of said wheel pieces.

1,460,535. PISTON. DAVID P. DAVIES, Racine, Wis., assignor to J. I. Case Threshing Machine Company, Racine, Wis., a Corporation. Filed Mar. 9, 1921. Serial No. 450,833. 2 Claims. (Cl. 74—108.)



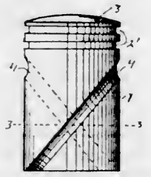
1. In a piston for motors, a skirt section having flanges at its upper end forming a piston ring retaining groove, and a follower-block secured to said skirt section and having a flange spaced from the top flange of said skirt section, said flanges forming a groove larger than said first-mentioned groove for the reception of an enlarged piston ring.

1,460,536. SPOKE. LYNDON DEAN, Taloga, Okla. Filed Apr. 10, 1922. Serial No. 551,114. 2 Claims. (Cl. 301—70.)



2. The combination with a vehicle wheel, of a means for compensating for irregularities between the rim band and felly of the wheel and for adjusting spokes with respect to the hub and felly of the wheel, comprising a wheel in which the spokes thereof terminate a distance from the felly, a ferrule on the end of each spoke having a bolt extension freely received in the felly, a binding nut and a locking nut on each bolt, the former in contact with the felly, and a socket removably secured to the felly surrounding the nuts and receiving therein a portion of the ferrule.

1,460,537. ENGINE PISTON. ROBERT L. DEWAR, Grand Rapids, Mich. Filed July 1, 1921. Serial No. 481,866. 1 Claim. (Cl. 74—108.)

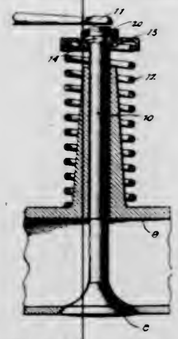


In an engine piston having an annular body with ring grooves formed in it near the upper end, and an annular wall extending downwardly therefrom, inwardly inclined concavo-convex offsets formed from a line below the ring grooves and extending partly around the wall of the piston to its open end forming concave grooves in the outer surface of the piston and rendering this end of the piston slightly compressible, and producing air compression for properly distributing the oil around the piston.

1,460,538. LOCKING DEVICE FOR MOTOR VALVES. LUCIAN F. EASTON, La Crosse, Wis. Filed Aug. 20, 1921. Serial No. 493,975. 4 Claims. (Cl. 251—134.)

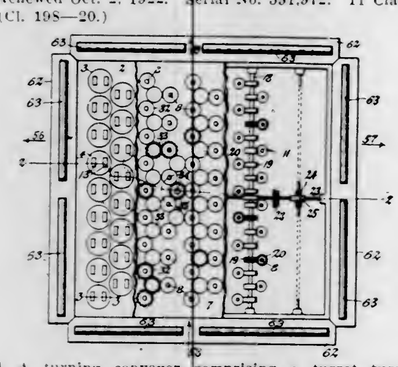
4. The combination with a valve having a stem provided with a groove, a casing, a spring held by the cas-

ing at one end applied to shift the valve in one direction and a head on the stem serving as an abutment for the other end of the spring, of a member on the outer end of said head, formed to interlock with the stem so as to be held against longitudinal movement thereon and



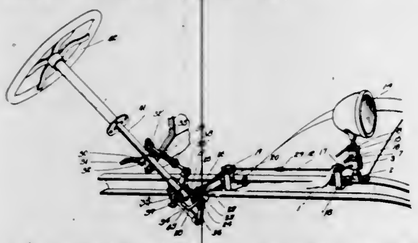
having an open-ended slot to permit it to be placed transversely around the stem and fitting in said groove, and a ring-member extending around the stem and formed to close said slot and secure said member against transverse displacement from the stem, one of said members having a recess in which the other is held.

1,460,539. CONVEYING APPARATUS. BRUCE V. EDWARDS, Newark, N. J., assignor to William L. Leary, Chicago, Ill. Filed May 8, 1919. Serial No. 295,575. Renewed Oct. 2, 1922. Serial No. 591,972. 11 Claims. (Cl. 198—20.)



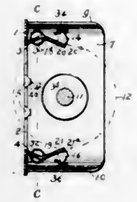
1. A turning conveyor comprising a turret turning about a vertical axis, and a supporting roller pivoted on said turret to turn about a horizontal axis, means for adjusting said turret, and means for rotating said roller.

1,460,540. DIRIGIBLE HEADLIGHT. PERCY J. ELDRIDGE, Cleveland, Mo. Filed Feb. 27, 1922. Serial No. 539,454. 6 Claims. (Cl. 240—62.)



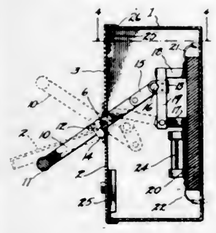
1. In combination with a motor vehicle, a dirigible headlight mechanism comprising a headlight turning spindle, a motor for operating it in one direction, a flexible cable for operating it in another direction, a shiftable link member on one end of the flexible cable, a shifter for said link member, and a member-engaging hook on the steering gear of the motor vehicle adapted to engage the member when it is in one position and to disengage therefrom when it is in another position.

1,460,541. SHEAVE-BEARING HOUSING. JAMES H. FOOTE, Cincinnati, Ohio. Filed Jan. 30, 1922. Serial No. 532,776. 6 Claims. (Cl. 16—211.)



1. A sheave bearing housing consisting of a sheave, a supporting element to which said sheave is journaled, adapted to fit into an aperture in a mounting frame, a face plate provided with a centrally disposed opening for the passage of the sheave and with means to engage the mounting frame, spacers for the side walls of the supporting element carried by and connecting said face plate to said supporting element, each of a plurality of said spacers being provided with a flexible extension, and means associated with said extension to releasably engage the mounting frame and, in cooperation with the face plate, lock the housing to said frame.

1,460,542. SWITCH. ANDREW E. GRISWOLD, Seattle, Wash. Filed Apr. 20, 1921. Serial No. 462,818. 4 Claims. (Cl. 200—50.)

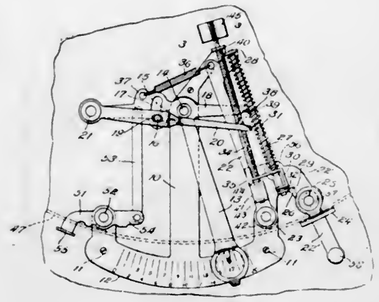


2. A safety switch of the character described comprising in combination, a switch housing provided at the front with an outwardly opening door, spaced apart hinges having the sections thereof fixed to said housing and to said door, a single hinge pin extended through and pivotally connecting the sections of both hinges, a switch mechanism within the housing and a handle operatively connected for operating the said switch mechanism, pivotally mounted on said hinge pin between the said hinges.

1,460,543. AUTOMATIC STOP FOR PHONOGRAPHS. MARIUS E. GRISWOLD, Burlington, Iowa. Filed Feb. 7, 1921. Serial No. 442,926. 15 Claims. (Cl. 192—122.)

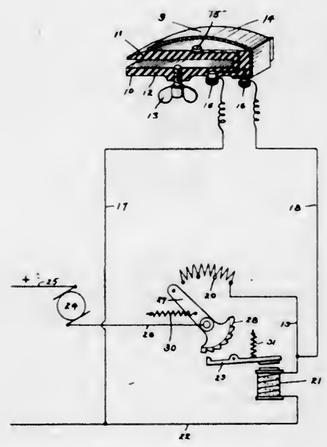
1. In a phonograph, the combination with a revoluble turn-table, of an automatic stop mechanism for said turn-table, means revoluble with said turn-table for actuating said mechanism, and adjustable means movable

independently of said mechanism to cause the same to stop said turn-table at the completion of a predetermined number of revolutions of said turn-table.



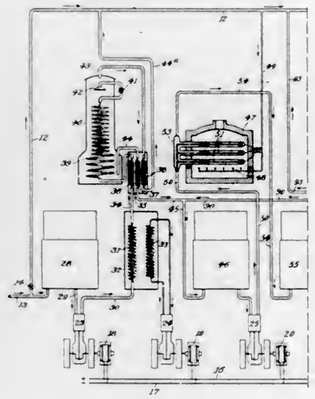
3. In a phonograph, the combination with a revoluble turn-table, of an index pointer, a dial, automatic stop mechanism controlled by said pointer and movable independently thereof to stop said turn-table at the completion of a number of revolutions determined by the relative position of said pointer and dial, and means revoluble with said turn-table for actuating said stop mechanism.

1,460,544. SWITCH ATTACHMENT FOR FOLDING MACHINES. LOAMMIE A. GUTRIDGE and FRANK M. MOSIER, Columbus, Ohio, assignors, by direct and mesne assignments, of one-third to said Gutridge and two thirds to G. N. Slonaker, Columbus, Ohio. Filed Jan. 20, 1921. Serial No. 438,547. 2 Claims. (Cl. 192—127.)



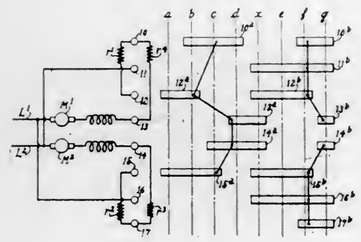
1. In a paper folding machine, in combination, a guide structure for directing paper through said machine, a switch attachment comprising inner and outer walls adapted to detachably engage therebetween a part of the guide structure, said attachment being positioned so that a circuit therethrough will be closed when paper is clogged within said guide structure, a motor for operating said machine, a starting switch for said motor, and circuit connections between said starting switch and said switch attachment, whereby upon the closing of the circuit governed by said switch attachment, said motor switch will be opened to arrest current flow through said motor.

1,460,545. PRODUCTION OF ETHYLENE. PIERRE E. HAYNES, Buffalo, N. Y., and GEORGE O. CURME, Jr., Pittsburgh, Pa., assignors to The Linde Air Products Company, Cleveland, Ohio, a Corporation of Ohio. Filed Mar. 9, 1918. Serial No. 221,407. 2 Claims. (Cl. 260—170.)



1. A process of forming ethylene from gaseous hydrocarbon mixtures containing ethane, which comprises the steps of isolating ethane from the mixture in a state of substantial purity and heat treating the ethane under substantially optimum conditions for the production of ethylene.

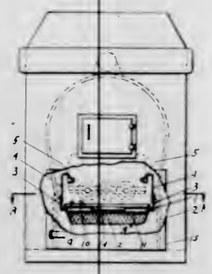
1,460,546. DRUM CONTROLLER. RICHARD B. HUNTER, Milwaukee, Wis., assignor to The Cutler Hammer Mfg. Co., Milwaukee, Wis., a Corporation of Wisconsin. Filed July 19, 1920. Serial No. 397,374. 8 Claims. (Cl. 172—179.)



2. A series parallel drum controller comprising a plurality of contacts and a plurality of segments, the latter being arranged in three electrically independent groups, two of said groups of segments being jointly co-operable with certain of said contacts to effect all the parallel circuit connections provided by the controller and the third set of segments being co-operable with certain of said contacts to effect all the series circuit connections,

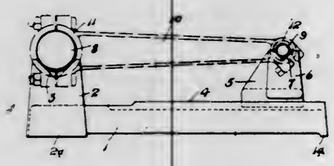
certain of said segments being arranged to maintain continuity of circuit during series parallel commutation, the number of said contacts being not greater than the number of operative positions of the controller.

1,460,547. FURNACE ASH-PIT SCREEN SIFTER. JOHN JIRASEK, Detroit, Mich. Filed Feb. 1, 1923. Serial No. 616,362. 3 Claims. (Cl. 83—60.)



1. An ash pit screen sifter of the character described, comprising a wire screen basket, angle slides for the sides of said basket, means for attaching said slides to the basket, a support slide frame for holding the basket in place beneath the fire grates of the furnace supports for attaching said frame permanently to the walls of the ash pit and means for operating said sifter for separating the coal from the burned ashes.

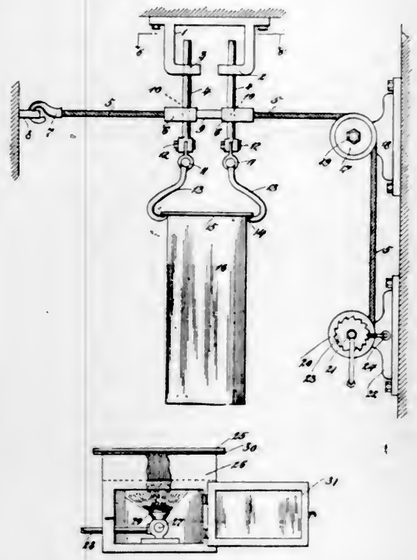
1,460,548. CONNECTING-ROD-TESTING APPLIANCE. ARTHUR J. KOON, JOHN HOOGERHYDE, and JAMES E. COLLINS, Grand Rapids, Mich.; said Koon assignor to said Hoogerhyde and said Collins. Filed Nov. 21, 1921. Serial No. 516,631. 3 Claims. (Cl. 33—180.)



1. An appliance of the class described, comprising an elongated base having parallel guide ways at one end portion extending longitudinally of the base and formed at its other end with two spaced apart, upwardly projecting posts having V-shaped recesses cut in the upper ends thereof, said recesses being in alignment and extending at right angles to said guide ways, and a block slidably mounted on said guide ways, said block having two spaced apart upwardly projecting posts formed therewith, said posts having V shaped aligned recesses cut in the upper ends thereof, said last-named V-shaped recesses being parallel to said first-named V-shaped recesses, substantially as and for the purposes described.

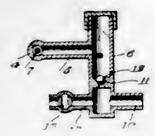
1,460,549. DEVICE FOR SOLDERING ICE CANS AND THE LIKE. WALTER W. LANGDON, Cincinnati, Ohio. Filed Dec. 26, 1921. Serial No. 524,813. 3 Claims. (Cl. 113—78.)

1. In a device for soldering ice-cans, a solder container, a pair of spaced apart arms each having an inturned ear provided with a vertical hole, a sliding rod mounted in each of said holes and guided thereby, a flexible member adapted to support said sliding rods, means for raising



and lowering said sliding rods and tongs pivotally attached to said rods to detachably support an ice can, for the purposes set forth.

1,460,550. AIR-INLET DEVICE. JOHN H. LOGGINS, Fordyce, Ark. Filed May 3, 1921. Serial No. 466,394. 1 Claim. (Cl. 48—180.)

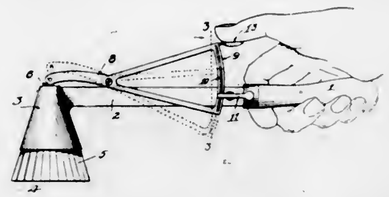


In an air inlet device for internal combustion engines, a nipple screwed in the intake manifold for the engine, a chamber connected to and communicating with the nipple, a needle valve controlling the passage through the nipple, a valve seat in the chamber adjacent to the bottom thereof, a ball valve for said seat, a branch pipe communicating with the chamber below the valve seat, a pipe connected thereto and connected with the exhaust manifold of the engine, a second short pipe arranged opposite said last mentioned short pipe, communicating with the chamber below its valve seat, and a valve controlling the passage through the last mentioned short pipe.

1,460,551. ICE-CREAM DIPPER. WILLIAM G. LYMAN, Peoria, Ill. Filed Dec. 15, 1921. Serial No. 522,515. 15 Claims. (Cl. 107—48.)

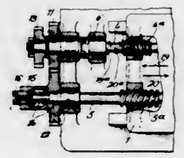
15. In a dipper of the type named, a dipping cup having walls adapted to expand and contract, a handle-portion including a head having a conical cavity to receive the cup, the latter adapted to expand and contract as it moves in contact with the walls of the cavity, a

lever fulcrumed on the handle, a portion connecting the lever with the cup within the head, a spring adapted to



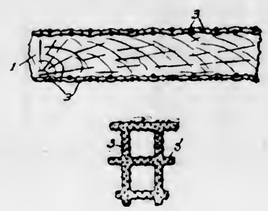
move the cup outwardly, and means on the handle to station the lever at a desired position against the tension of the spring and for releasing the same.

1,460,552. DRAG-SPINDLE GEAR. MAX MAAG, Zurich, Switzerland. Filed Dec. 31, 1918. Serial No. 269,081. 13 Claims. (Cl. 74—36.)



2. A drag spindle gear, comprising a driven feed spindle, means interposing said spindle to permit a small amount of idle movement, a drag spindle geared to said feed spindle and a slipping clutch for the drag spindle.

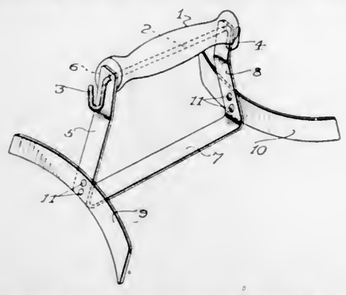
1,460,553. SURFACE FOR PICTORIAL DISPLAY AND THE LIKE. CHARLES E. A. MERROW, Boston, Mass. Filed Feb. 16, 1921. Serial No. 445,576. 8 Claims. (Cl. 40—135.)



2. An object of the class described having an extended display surface of fibrous material and a metallic inlay embedded therein to prevent distortion of said display surface and consisting of intersecting members extending continuously across said surface and dividing it into a plurality of isolated surface units bonded together in the whole.

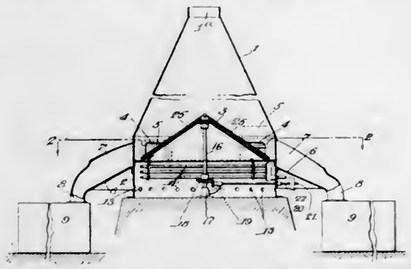
1,460,554. DEVICE FOR CARRYING BASKETS AND THE LIKE. MAX J. MOORE, Newark, N. J., assignor to Walter H. Collins, Summit, N. J. Filed Mar. 1, 1922. Serial No. 540,215. 9 Claims. (Cl. 224—45.)

1. A carrier for fruit baskets and the like including in combination a handle, a device at either end thereof adapted to engage with a basket and basket positioning and steadying members supported from the handle and



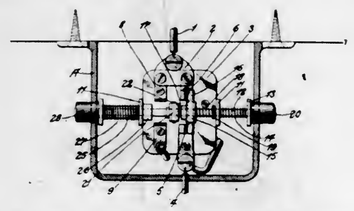
engaging the sides of the respective baskets at a lower level than said devices.

1,460,555. COTTON-BOLL-RIPENING APPARATUS. WENSEL MORAVA, Chicago, Ill. Filed July 19, 1920. Serial No. 397,527. 8 Claims. (Cl. 47—36.)



1. An apparatus for ripening cotton bolls, comprising a vertically-extended receptacle for containing a pile of the bolls; a heating means at the bottom of the receptacle; the receptacle having a charging opening at the top and a discharging opening at the bottom, and means for facilitating the discharge of the bolls from the bottom of the pile under the super-incumbent weight thereof.

1,460,556. OVERLOAD PROTECTIVE DEVICE FOR ELECTRIC MOTORS. EUGENE NEWNHAM, St. Louis, Mo. Filed Apr. 10, 1922. Serial No. 551,234. 12 Claims. (Cl. 172—179.)



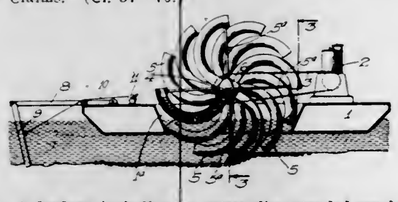
1. In a device of the class described, the combination of an electric circuit having a magnet coil therein, a second circuit leading directly to the apparatus to be operated, contact members for closing each of said circuits, an actuator for moving one of said contact members to close the circuit leading direct to the apparatus and for moving the other contact member to close the second circuit after the first named circuit is closed, and automatic means for releasing the first contact member after the circuit including the magnetic coil has been closed.

1,460,557. REINFORCED-THREAD EXPANSION SHIELD. JOHN EDWARD OGDEN, Mountainville, Cornwall, N. Y. Filed Jan. 11, 1921. Serial No. 436,492. 23 Claims. (Cl. 85—24.)



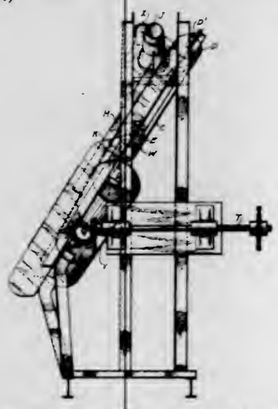
1. A tubular expansion shield having walls of substantially uniform thickness which are helically corrugated to form a threaded bore, said bore being gradually constricted in at least one plane which includes the axis of the shield, and reinforcing open bends in the metal near the plane of said constriction.

1,460,558. DREDGER. ARTHUR O. OLDEN, National City, Calif. Filed Nov. 22, 1920. Serial No. 425,738. 7 Claims. (Cl. 37—70.)



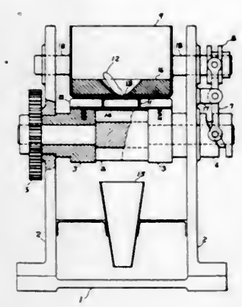
1. A dredger, including an outwardly extended revolubly mounted tubular axle positioned substantially above the ground to be removed, a plurality of curved digging and conducting members communicating with the interior of said axle and means for revolving said tubular axle together with said curved digging and conducting members.

1,460,559. PINEAPPLE-SHELL-FEEDING DEVICE. HUGH F. OPPERMAN, Honolulu, Territory of Hawaii, assignor to California Packing Corporation, San Francisco, Calif., a Corporation of New York. Filed May 31, 1922. Serial No. 564,683. 13 Claims. (Cl. 146—11.)



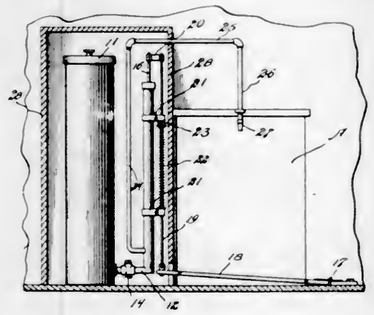
1. The combination with a rotary sizing head of a pineapple sizing machine and a pineapple meat eradicator, of means for automatically transferring pineapple shells from the periphery of the sizing head to the meat eradicator.

1,460,560. FEEDER FOR KERNEL-BLANCHING MACHINES. GEORGE PARK, Bayonne, N. J. Filed Dec. 23, 1921. Serial No. 524,548. 1 Claim. (Cl. 146—14.)



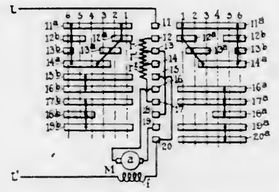
In a feeder for a blanching machine, the combination with a vibrating feeder having a hole therethrough, a filling block resting therein having a conical aperture therethrough, an escapement secured thereunder having a hole therethrough and members subtending therefrom for the controlling and regulating of the kernels, of a rotating cylindrical distributer having slots thereon, a bridge, having a slot therethrough and sides thereon, interposed between said vibrating feeder and said rotating cylindrical distributer for the reception of kernels passing from the one to the other.

1,460,561. HOG OILER. CLARENCE N. PETERSON, Polk, Nebr. Filed Oct. 11, 1921. Serial No. 506,958. 2 Claims. (Cl. 119—159.)



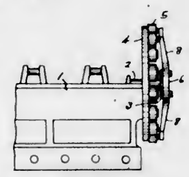
1. A hog treating device comprising a tank, a pipe communicating with the lower portion thereof and extending upwardly whereby to constitute a pump cylinder, an outwardly opening check valve at the juncture of said pipe with the tank, a piston removably mounted within the pipe and having a piston rod extending above the end of the latter, a treadle hinged within the doorway of a hog house, a rod pivotally connected with the free end of the treadle and extending upwardly above the end of said pipe and connected with said piston rod, and a spring normally holding said treadle elevated and a discharge pipe communicating with said first named pipe beyond the check valve therein and extending upwardly with its upper end laterally extended and then extended downwardly and terminating in a discharge nozzle located above said treadle.

1,460,562. MOTOR CONTROLLER. CHARLES W. YERGER, Milwaukee, Wis., assignor to The Cutler Hammer Mfg. Co., Milwaukee, Wis., a Corporation of Wisconsin. Filed June 23, 1919. Serial No. 305,966. 5 Claims. (Cl. 172—179.)



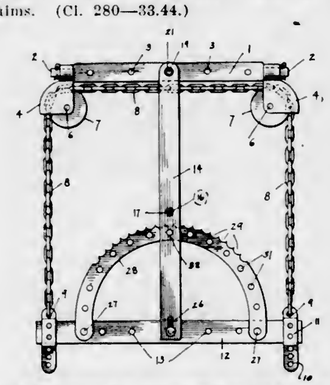
3. In a motor controller, in combination, a plurality of series connected resistance sections and a contact drum having co-operating contacts to effect reversals of the motor, to exclude certain of said resistance sections from circuit, and to thereafter parallel certain of said resistance sections, certain of said contacts functioning both for motor reversals and resistance control.

1,460,563. GAUGE. SIDNEY E. ALLWRIGHT, Houston, Tex. Filed Sept. 28, 1922. Serial No. 591,068. 1 Claim. (Cl. 33—180.)



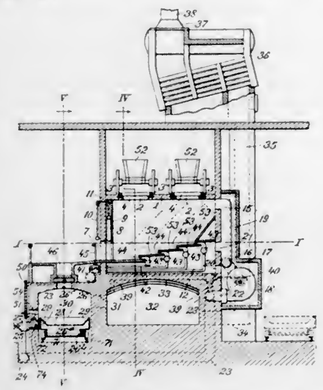
A one-piece gauge formed with a central plate having a circular socket and radiating arms carried by said plate the free ends of said arms being formed with smooth faces lying in a plane perpendicular to the axis of said circular socket.

1,460,564. DRAFT MEANS. RAYMOND T. ASHLEY, Reno, Nev. Filed Mar. 20, 1922. Serial No. 545,223. 3 Claims. (Cl. 280—33.44.)



1. A draft device for interposition between a tractor and an implement comprising a reach member disposed lengthwise with respect to the line of pull or draft, a pair of transverse bars pivoted to said reach, sheaves on one of said bars and positioned on opposite sides of said reach, and a substantially U-shaped flexible member reeved through said sheaves and secured at the ends thereof to the other of said bars and adapted, when one of said bars is rotated on its pivot, to rotate the other bar to a like degree in the opposite direction.

1,460,565. APPARATUS FOR THE DESTRUCTION OF REFUSE. ROBERT BALMER, Toronto, Ontario, Canada. Filed Oct. 18, 1919. Serial No. 331,669. 21 Claims. (Cl. 110—8.)

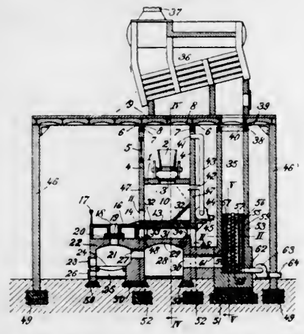


1. In a refuse destructor, a plurality of traveling units each comprising a grate and an enclosed ash pit integral therewith, a blower for supplying a preheated gaseous mixture to each ash pit during its periods of rest, and propelling means for moving said uits intermittently.

8. In a refuse destructor, a series of storage bins and a combustion chamber below said bins, the crown of said chamber being of decreased thickness underneath each successive bin.

21. In a refuse destructor, a series of storage bins, means for supplying air under pressure to said bins; heating chambers below said bins, valved intakes for supplying cold air to said heating chambers when desired; pipes from said air-compressor extending through said heating chambers to said bins; a primary combustion chamber below the level of said bins; a secondary combustion chamber beneath said heating chambers; a suction fan housed in a chamber communicating with said heating chambers, the said fan being flue-connected to each bin and to said combustion chambers, to withdraw gases from said bins and to deliver said gases to the combustion chambers as desired, and flues from said heating chambers to said fan.

1,460,566. REFUSE-DISPOSAL PLANT. ROBERT BALMER, Toronto, Ontario, Canada. Filed Dec. 24, 1921. Serial No. 524,794. 20 Claims. (Cl. 110—8.)



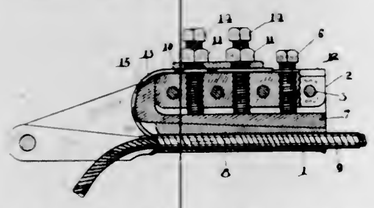
1. In a refuse destructor, a plurality of refuse-disposal elements comprising separate chambers disposed in vertical relation, within a common housing, the top of said

housing being supported independently of the supports for said chambers, and the supports for one of said chambers being independent of the supports for another of said chambers.

7. A refuse destructor having a plurality of floors, a refuse storage bin on an upper floor and a combustion chamber on a lower floor, an upwardly projecting partition upon one floor extending to an adjacent floor, and a downwardly projecting member depending from said adjacent floor adapted to engage in variable contact with said partition.

20. In a refuse destructor having a combustion chamber at a level below the dumping level, a tipping platform inclosed on two opposite sides by walls or partitions and by the overhead floor of a containing building and forming a passage, a joint between said walls and said floor affording a vibration-absorbing air-seal therebetween, and means adapted to control ventilation of the passage.

1,460,567. STRAIN CLAMP. THOMAS H. BARNARD, Toronto, Ontario, Canada. Filed Aug. 3, 1922. Serial No. 579,478. 12 Claims. (Cl. 24—135.)



1. In a strain clamp for cables, the combination of a channel-shaped casing; a bar lying between the sides of said casing; bolts passing through the sides of said casing and said bar to clamp the latter in position; a clamping bar below said first mentioned bar; and means engaging both sides of said bar for actuating said clamping bar to grip a cable.

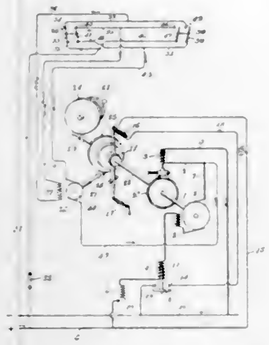
1,460,568. CAR ROOF. CHARLES DAVID BONSALL, Pittsburgh, Pa., assignor to P. H. Murphy Company, New Kensington, Pa., a Corporation of Pennsylvania. Filed Apr. 15, 1922. Serial No. 553,113. 20 Claims. (Cl. 105—5.4.)



1. A car roof comprising a plurality of roof sheets whose side margins are connected together to form hollow seams having side walls of double thickness at the ridge and of single thickness adjacent to the eaves.

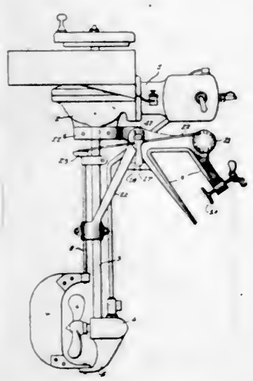
1,460,569. SYSTEM OF CONTROL FOR ELECTRIC ELEVATORS. PETER H. BRODESSER, Milwaukee, Wis. Filed Aug. 26, 1920. Serial No. 406,043. 14 Claims. (Cl. 172—152.)

1. In a control apparatus for electric elevators provided with traveling devices adapted to be intermittently raised and lowered, the combination of a hoisting drum, a main motor operatively connected therewith, an auxiliary motor means operable from the traveling devices for energizing the auxiliary motor intermittently, and a relatively stationary brake electrically energized to open upon the energization of either motor and to close after the deenergization of both motors and independently of either motor, whereby said motors may be repeatedly alternately connected to said hoisting drum.



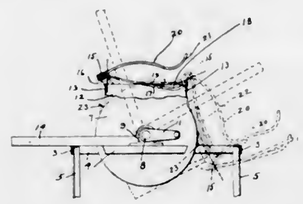
5. In combination, a hoisting drum, a main motor having its shaft operatively connected with said hoisting drum, an auxiliary motor having a loose connection with said main motor shaft, a clutch for operatively connecting the auxiliary motor to said shaft, electromagnetic means for controlling the operation of said clutch, and a contactor for controlling the operation of said electromagnetic means, said contactor having a control coil electrically connected in series with said main motor, whereby said electromagnetic means is placed directly under the control of said main motor and is thereby directly dependent upon the energization of said main motor.

1,460,570. OUTBOARD MOTOR. WILLIAM F. A. BUEHNER, Detroit, Mich. Filed Aug. 31, 1921, Serial No. 497,101. Renewed May 7, 1923. 6 Claims. (Cl. 115—18.)



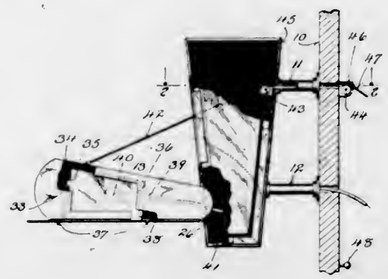
3. In an outboard motor wherein the motor is supported from a boat with the propeller in a position liable to encounter obstacles, means for supporting such motor so that it may yield when the propeller encounters an obstacle, said means including interlocking releasable members which hold the motor at any position to which it may be swung by its propeller encountering an obstacle, one of said interlocking members being fixed relative to the motor and adapted to rotate relative to the other member which is movable in a lateral direction from said rotatable member.

1,460,571. CONCRETE MIXER. BERT C. CAREY, Sioux City, Iowa, assignor of one-fourth to Frank P. Berger and one-fourth to Bayton F. Carey, both of Sioux City, Iowa. Filed Nov. 21, 1921. Serial No. 516,577. 5 Claims. (Cl. 83—73.)



1. A concrete mixer embodying a mixing receptacle having an upper opening and mounted to rock between normal and dumping positions, a guard grate normally extending across said opening and hinged to the receptacle to swing from the opening, and an element fixed, with respect to the receptacle, to be positively engaged by the grate when the receptacle is swung to dumping position, to swing the grate from the opening.

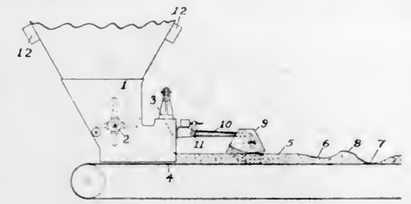
1,460,572. AUTOMOBILE SIGNAL. LEWIS H. CHARLING, Kenosha, Wis. Filed Mar. 14, 1922. Serial No. 543,559. 1 Claim. (Cl. 116—54.)



An automobile signal comprising a casing having an open side wall, a closure member pivoted to said casing for closing the opening, a signal carried by said member, a spring having one end secured to a wall of the casing and a free end adapted to urge said member outwardly, a cable secured adjacent said signal, a tubular support secured to the car body, said car body having an aperture therein, a ring on the other end of said cable, said cable extending thru said tubular support and said aperture, and a stud on said body adapted to receive said ring whereby on the release of said ring from said stud, said spring is operative to move said signal outwardly to a position limited by the length of said cable.

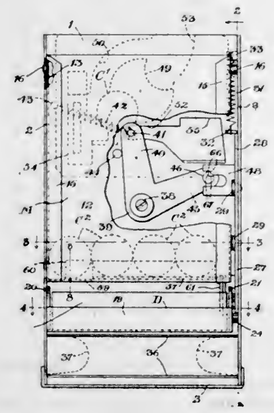
1,460,573. AUTOMATIC MEASURING DEVICE. EDGAR D. CHURCH, FRANK S. LASH, and JACKSON W. VAN BRUNT, Saginaw, Mich., assignors to Jackson & Church Company, Saginaw, Mich., a Corporation of Michigan. Filed May 10, 1922. Serial No. 559,929. 3 Claims. (Cl. 83—44.)

1. In combination, a hopper, electrically actuated vibrators on the walls of said hopper, a conveyor beneath said hopper, a rider vertically movable above said conveyor, contact devices electrically connected to said vibrators, means operatively connecting said rider and said contact devices adapted to actuate said contact devices in succession, one of said contact devices electrically



connected to a vibrator, a second contact device connected to another vibrator, and a third contact device adapted to actuate signals, for the purposes set forth.

1,460,574. COIN-CONTROLLED VENDING MACHINE. ANTHONY COSEGLIA, West Hoboken, N. J., assignor, by mesne assignments, to Autosales Corporation, a Corporation of New York. Filed Aug. 18, 1917. Serial No. 186,843. 2 Claims. (Cl. 211—8.)

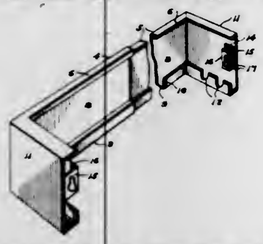


1. In a vending machine, a casing having a magazine for containing the vendable articles, a delivery cylinder pivoted below said magazine for ejecting the bottom article, a reciprocable slide connected with said cylinder for actuating the same into delivery position, said slide having a slot provided with a shoulder, a pivoted lever having a pin to engage said slot and thereby actuate said slide when the lever is operated, means for manually operating said lever from the outside of the casing, and a shoulder on said pin for interlocking with said first named shoulder to lock said slide against operative movement, when an attempt is made to operate said slide otherwise than through said lever.

1,460,575. CURTAIN AND DRAPERY SUPPORT. WILLIAM J. DONOVAN, Philadelphia, Pa. Filed May 1, 1922. Serial No. 557,770. 1 Claim. (Cl. 156—13.)

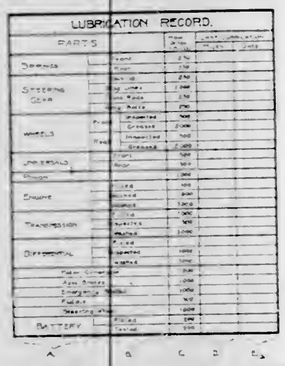
A curtain and drapery support comprising a plurality of channel-like telescopic sections, the upper edges whereof are bent at right angles thereto and inwardly folded upon themselves while the lower edges are similarly bent at right angles and upwardly turned in parallelism to the face of the support with the edges thereof folded upon themselves, opposed integral end portions of like cross section at right angles to the face of the support, a plurality of opposed notches in the walls of the in-

wardly and upwardly turned parts of the end lower portions for supporting a curtain pole at variable distances relative to the inner face of the support, and opposed



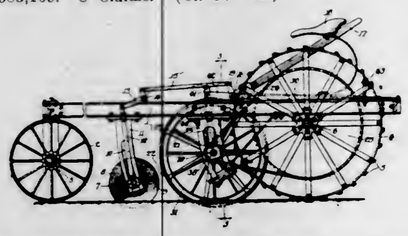
angle brackets secured to the inner faces of the end portions having inverted key-hole slots in their back and inner faces whereby the device may be supported on the face or outer edges of a window casement as desired.

1,460,576. LUBRICATION RECORD. SIDNEY S. EMERY, Denver, Colo. Filed Nov. 22, 1921. Serial No. 516,916. 3 Claims. (Cl. 283—48.)



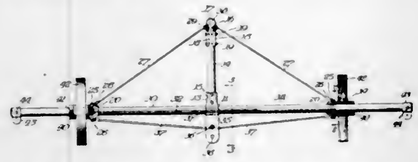
1. A lubrication record comprising a chart having a plurality of vertical columns and transversely ruled spaces, one of said columns containing a list of the parts to be lubricated, another column containing figures representing the number of miles that may properly elapse after each lubrication, and two parallel columns adapted to receive an entry of the date and the speedometer reading at the last lubrication.

1,460,577. CROWNING MACHINE. FRANK JOHN FALLADA, Chicago, Ill. Filed Aug. 21, 1922. Serial No. 583,109. 8 Claims. (Cl. 97—41.)



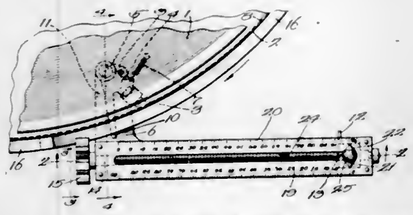
1. In a machine of the class described, a frame mounted on supporting wheels, one set of which are geared to furnish power for revolving a rotary cutter through tractive effort, a spiral rotary cutter mounted to be revolved and driven by a traction wheel of the machine and supported in its relationship to the ground by wheels rolling on the ground and connected to float upward and downward and carry rotary cutters with them over the uneven surfaces of the ground in combination with some disk cutters placed forward of the rotary cutters and adapted to slit the ground by the movement of the machine in advance of the rotary cutters and said rotary cutters provided with means for adjusting the depth on either end thereof more or less as relates to the transverse position of the revolving cutters.

1,460,578. TRACTOR HITCH. FELIX MICHEAL FISCHER, Kewanee, Ill. Filed Sept. 19, 1921. Serial No. 501,671. 2 Claims. (Cl. 97—233.)



1. In an appliance of the character described, the combination of a substantially-straight metal pipe constituting a draft-beam, a strut member fastened to the middle of said pipe and having a forwardly-extended socket, a forwardly-projecting draw-bar pipe secured in said socket, a pair of collars fastened to said pipe on opposite sides of and remote from said strut member, truss rods connected at their ends to said collars and coacting with the struts of said member, tie rods connecting said collars to the front end portion of said forwardly-extended draw-bar pipe, sleeves on said pipe outwardly beyond said collars but remote from the ends of the main pipe, carrying wheels revoluble about the axis of said draft-beam pipe on said sleeves, means permitting the attachment of a traction appliance to the front end of said draw-bar pipe, and means permitting the attachment of agricultural implements to said main-beam pipe.

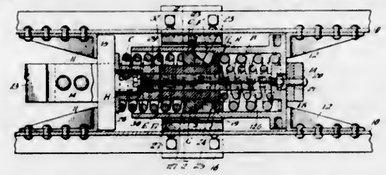
1,460,579. PHONOGRAPH. WILLIAM A. FRICKE, Chicago, Ill. Filed Dec. 5, 1919. Serial No. 342,605. 12 Claims. (Cl. 192—122.)



1. A phonograph including a turn table for supporting and rotating a disc record; means for stopping the turn table; a threaded shaft having a gear wheel for turning it, there being a threaded formation upon the periphery of the turn table in turning engagement with said gear wheel to turn said shaft; a rider in threaded engagement with the shaft and brought thereby into actuating relation with said means; and two reversely related scales placed along the line of travel of the rider for measuring the number of rotations of the turn table.

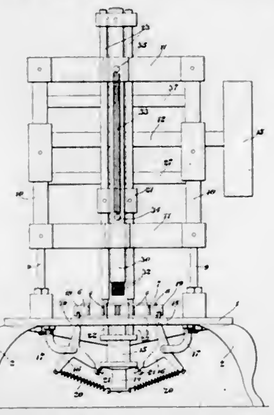
1,460,580. FRICTION SHOCK-ABSORBING MECHANISM. STACY B. HASELTINE, Chicago, Ill., assignor to William H. Miner, Chazy, N. Y. Filed Aug. 7, 1920. Serial No. 401,901. 8 Claims. (Cl. 213—36.)

1. In a friction shock absorbing mechanism, the combination with a central friction post; of a plurality of friction shoes having inner friction surfaces cooperable with said post and provided also with outer friction surfaces; wedging means disposed exteriorly of the shoes; wedge-shoes cooperable with said wedging means and the



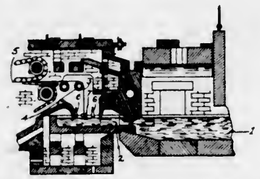
first named friction shoes, said wedge shoes and friction shoes sliding relatively during a compression stroke, and spring means encircling said post for restoring said friction shoes upon removal of the actuating force.

1,460,581. MACHINE FOR MAKING BOOK COVERS. THOMAS E. HEETER, St. Louis, Mo. Filed Jan. 17, 1921. Serial No. 437,941. Renewed Apr. 23, 1923. 10 Claims. (Cl. 154—41.)



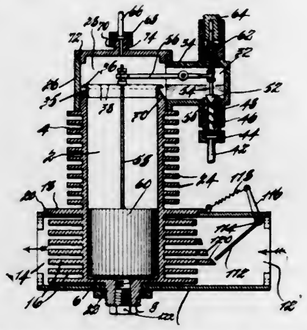
1. In a machine of the character described, a work support, a plunger adapted to reciprocate above said work support, a head carried by said plunger having radial grooves formed therein, a finger blade support arranged on said work support, a plurality of slidable finger blades mounted in said finger blade support, said blades being adapted to move into the slots in said plunger head, springs normally actuating said blades outwardly, mechanism for moving said finger blades inwardly, and mechanism for reciprocating said plunger.

1,460,582. METHOD OF AND APPARATUS FOR DRAWING SHEET GLASS. SETH B. HENSHAW, Charleston, W. Va., assignor to The Libbey-Owens Sheet Glass Company, Toledo, Ohio, a Corporation of Ohio. Filed June 19, 1920. Serial No. 390,062. 5 Claims. (Cl. 49—17.)



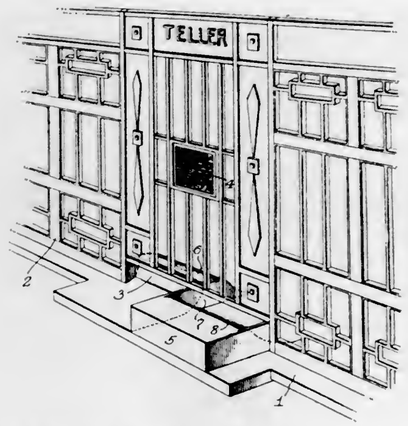
1. In a sheet glass drawing apparatus, means for drawing a flat sheet from the glass mass and rolling dies engaging the edges of the sheet near its source driven to have a peripheral speed of not to exceed one-half the speed at which the sheet is drawn.

1,460,583. KEROSENE VAPORIZER. WILLIAM H. HILL, Manati, Porto Rico. Filed July 3, 1918. Serial No. 243,172. 2 Claims. (Cl. 48—102.)



1. In apparatus of the class described, means for volatilizing a liquid fuel, comprising a heated surface, means for directing the fuel in a film over said surface, a chamber for receiving the volatilized fuel, a fuel supply and means whereby the operation of the fuel supply is governed by the amount of unvolatilized fuel in said chamber.

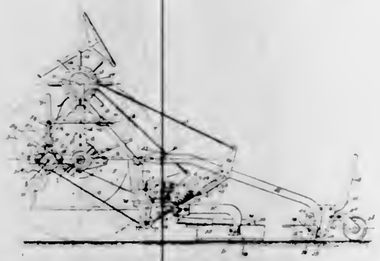
1,460,584. BANK SAFETY DEVICE. CHARLES A. HONSINGER, Detroit, Mich. Filed Feb. 9, 1920. Serial No. 357,191. 1 Claim. (Cl. 133—13.)



In a structure for the protection of tellers, a counter, a partition thereabove between teller and customer, a vertically-extending member positioned relative to the counter to provide a space for the passage of funds, etc., means operative to set up "one-way passage" conditions in opposite directions within such space, said means including a passageway formation having its exit end on the customer side of the member, the portion of the passageway on the opposite or entrance side of the member having its bottom wall contour curved upwardly, the plane of the entrance end of such passageway being above the bottom of the vertically-extending member, the curvature of the upwardly-curved wall and the distance between the wall and the vertically-extending mem-

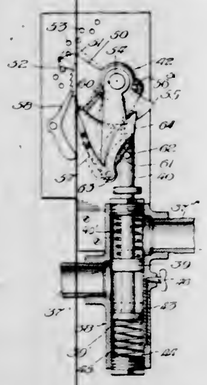
ber on the plane of the entrance end of the passageway being such that unimpeded discharge of a fire arm in said passageway is limited to a generally vertical direction.

1,460,585. GRADING AND SCARIFYING DEVICE FOR TRACTORS. CHARLES W. HOWE, Dayton, and JOSEPH L. GARVER, Hamilton, Ohio. Filed July 25, 1921. Serial No. 487,224. 3 Claims. (Cl. 37—145.)



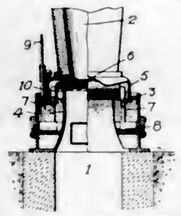
1. In a device of the type described, the combination with a rear axle of a tractor, of a casting secured thereto, an upwardly, a forwardly, and a rearwardly projecting arm on said casting, an upright member secured to the upwardly projecting arm on said casting, an angle member secured at its apex portion to the upright member and at its inner end to the forwardly projecting arm on said casting, a vertical connecting plate secured to the rear end of said angle member, a drag bar elevating member pivotally secured to said connecting plate, and means mounted upon the forwardly projecting arm of said casting for raising and lowering the drag bar elevating member.

1,460,586. HYDRAULIC DRIVE FOR STOKER RAMS. CURTES L. HOWSE, Detroit, Mich., assignor to The Underfeed Stoker Company of America, a Corporation of New Jersey. Filed Mar. 2, 1922. Serial No. 540,647. 14 Claims. (Cl. 110—103.)



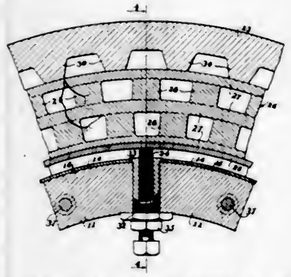
1. In a stoker-ram drive, the combination with a ram, of an engine therefor, pressure-impulse supply means for one end of said cylinder including a reciprocable, normally closed valve movable within its closed condition by the pressure impulses, and movable to open a pressure-transmitting connection to the engine cylinder when unrestrained, and means for normally restraining the movements of said valve operatable by the movement of said valve within its closed range, to remove the valve-restraint after a predetermined number of impulses.

1,460,587. VALVE. GEORGE H. ISLEY, Worcester, Mass., assignor to Morgan Construction Company, Worcester, Mass., a Corporation of Massachusetts. Filed Feb. 19, 1919. Serial No. 277,952. 6 Claims. (Cl. 251—18.)



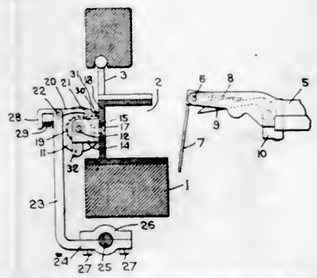
6. A conduit comprising two spaced registering sections, a water seal between said sections, a valve operable in the space between said sections, and means extending through said water seal for operating said valve.

1,460,588. TIRE. EDWARD A. JOHNSON, Brooklyn, N. Y. Filed May 13, 1919. Serial No. 296,808. 6 Claims. (Cl. 152—5.)



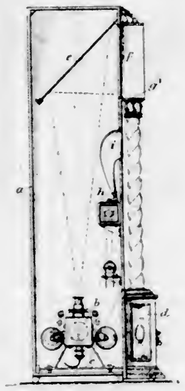
5. In combination, a tire shoe having on its inner face a plurality of spaced plugs; and a filler disposed in said shoe comprising outer, intermediate and inner layers, and provided with a plurality of spacing plugs between the outer and intermediate layers and between the intermediate and inner layers; the spaces between the plugs of the shoe, when the tire is viewed in longitudinal section, being in the line of the plugs located between the outer and intermediate layers of the filler, and the spaces between the plugs located between the outer and intermediate layers of the filler being in line of the plugs located between the intermediate and inner layers of the filler; said spaces of the shoe and filler providing air space for cushioning said shoe.

1,460,589. FILLING-FORK GRID FOR LOOMS. NEED KNIGHT, Lancaster, S. C., assignor to Draper Corporation, Hopedale, Mass., a Corporation of Maine. Filed Sept. 9, 1922. Serial No. 587,055. 9 Claims. (Cl. 139—379.)



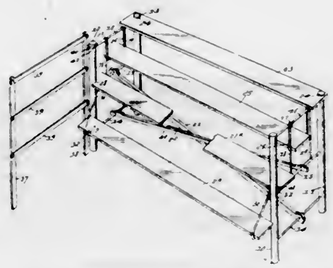
1. Filling detecting mechanism for looms comprising a filling fork, a grid carried by the lay comprising a plurality of movable members positioned to cooperate with said filling fork upon the beat-up of the lay, means for actuating said movable member to clear the grid of lint and other materials which would prevent a proper operation of the filling fork.

1,460,590. OPTICAL PICTURE CABINET. STANISLAUS KUCHARSKI, Charlottenburg, near Berlin, Germany, assignor to Richard A. Hansemann, Berlin, Germany. Filed Oct. 1, 1919. Serial No. 327,828. 1 Claim. (Cl. 88—24.)



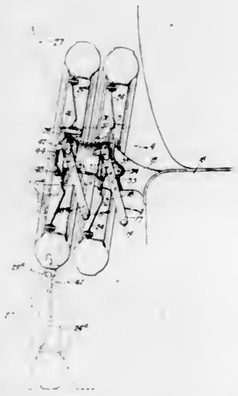
An optical picture cabinet comprising a cabinet, an inclined mirror in the upper part of the cabinet with its reflecting surface on the under side, a screen in the front wall of the said cabinet and opposite to the inclined mirror, a projecting peripheral border surrounding said screen, an optical lantern in the lower portion of the said cabinet adapted to project beams which are reflected by the said mirror onto the said screen, and a removable wheeled platform carrying the said optical lantern, said optical lantern being attached to the platform with its optical axis vertical and in such position thereon that when said platform is confined within the cabinet the projected picture will register substantially with said mirror.

1,460,591. COMBINATION FURNITURE. CHARLES E. KUHN, Harrisburg, Pa. Filed Feb. 18, 1922. Serial No. 537,567. 2 Claims. (Cl. 211—27.)



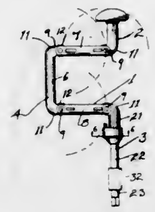
1. In combination furniture for household use, a frame comprising end posts arranged in pairs, braces connecting the posts of each pair, means for holding the pairs of end posts in spaced relation to each other, a series of shelves supported on the frame in successively advanced positions, and on different planes, slings having hooked ends embracing two of the end posts and suspended thereon, said slings having inwardly turned ends constituting shelf engaging elements, and a shelf resting on said inwardly turned ends and bearing against the posts whereby the inward movement of the slings is limited, as and for the purpose described.

1,460,592. CARRIER FOR SPARE WHEELS AND THE LIKE. FREDERICK K. LAWRENCE, Chicago, Ill., assignor, by direct and mesne assignments, to Self-Mounting Carrier Company, Wilmington, Del., a Corporation of Delaware. Filed May 12, 1921. Serial No. 468,885. 15 Claims. (Cl. 224—29.)



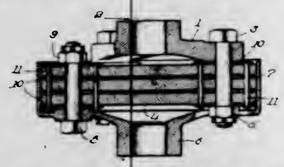
1. Lifting mechanism for spare tires and their mountings having a holder on the vehicle for supporting the tire mounting, an arm pivoted to the vehicle and adapted to raise the tire from the ground to the holder, and a seat for engaging the tire mounting, said seat being mounted directly on said arm and being adapted to prevent the tire mounting from shifting in either direction along the arm.

1,460,593. ADJUSTABLE BRACE. WILLIAM LEMOIGNE, Colusa, Calif., assignor of one-fourth to Edward Bogart and one-fourth to A. Weiss, both of Colusa, Calif. Filed May 16, 1922. Serial No. 561,366. 1 Claim. (Cl. 145—66.)



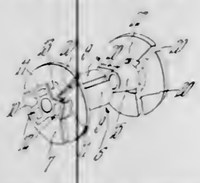
In a brace for turning a bit, a shank for receiving the bit bent at its upper end and terminating in a toothed disc, a handle turned at its lower end and terminating in a toothed disc, and a yoke interposed between the shank and the handle comprising a central member bent at either end and terminating in toothed discs and two connecting links pivotally engaging the discs having spring latches associated therewith for locking the links against pivotal motion.

1,460,594. FLEXIBLE COUPLING FOR DRIVE SHAFTS. AXEL R. LE MOON, Chicago, Ill., assignor to Nelson & Le Moon, Chicago, Ill., a Partnership. Filed Mar. 5, 1921. Serial No. 450,069. 2 Claims. (Cl. 64—96.)



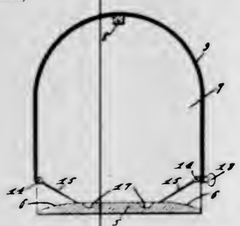
1. A flexible coupling comprising in combination two shaft receiving members and a laminated disk to which said members are secured at alternate points respectively spaced apart adjacent to the periphery of said disk, said disk including beveled edge radially positioned oblong washers secured adjacent to their ends to the adjacent laminations which are all flexible, and clamping means extending through said disk and through the washers whereby said members are respectively secured to said disk in flexible relation to each other.

1,460,595. WINDING SPOOL. WILLIAM R. MARSHALL, Holyoke, Mass., assignor to The Holyoke Company, Holyoke, Mass., a Corporation of New York. Filed Aug. 9, 1921. Serial No. 490,948. 8 Claims. (Cl. 242—124.)



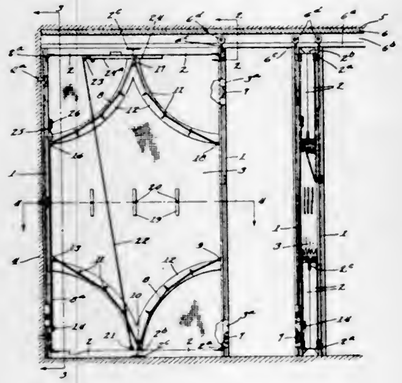
1. A winding spool having in combination a pair of spool heads, a collapsible core comprising a plurality of longitudinal sections severally pivoted to one of the spool heads for swinging adjustment in axial planes to contract or expand the core, said core sections being severally constructed and relatively arranged when the core is expanded to provide an approximately continuous cylindrical winding surface upon which a coil may be wound in true cylindrical shape, one of said spool heads being detachable from the core to permit the coil to be bodily removed from the core when the core is collapsed, and means on the detachable spool head for limiting the expansion of the core.

1,460,596. TRAP. MILES L. MARTIN, Bainbridge, Ga. Filed Oct. 18, 1922. Serial No. 595,315. 2 Claims. (Cl. 43—121.)



1. In a trap, a base, end sections secured to the base, a body portion formed of wire mesh material supported by the end sections, the edges of the wire mesh material being disposed in spaced relation with the base to provide entrance openings, an adjustable wire supported adjacent to the lower edges of the wire mesh material, and pivoted fingers supported by the adjustable wire to normally close the entrance openings.

1,460,597. COLLAPSIBLE WALL. HERMAN W. MAURER, Cleveland, Ohio. Filed Aug. 16, 1921. Serial No. 492,661. 13 Claims. (Cl. 20—20.)



1. A collapsible wall, comprising a collapsible frame section carrying spaced flexible covering walls, means for connecting and initially breaking opposite portions of said frame section, and cooperating means for drawing the remaining opposite portions of said frame section toward each other and gathering said flexible covering walls thereover.

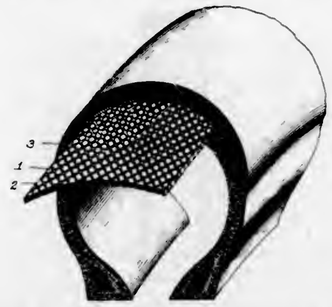
1,460,598. TRACTOR CLUTCH CONTROL. CLARENCE D. METZGER, Shelby, Ohio. Filed Aug. 28, 1922. Serial No. 584,740. 3 Claims. (Cl. 74—39.)



1. A clutch control for tractors comprising a pair of spaced collars each formed of upper and lower halves adapted to be bolted together around the rear axle of a tractor, the upper sides of said collars having horizontal seats, a segmental rack having a horizontal foot secured upon said seats and tying the upper portions of the collars rigidly together, an upstanding lever fulcrumed on said rack and having a dog engaging the same, and a rigid clutch operating arm extending forwardly from said lever.

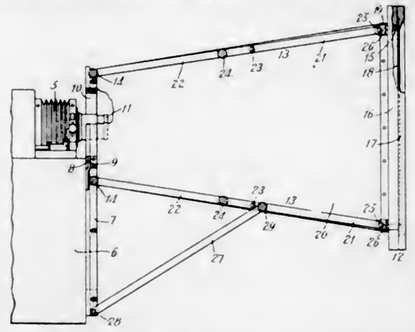
1,460,599. REENFORCED PNEUMATIC-TIRE CASING. HERBERT NICHOLSON, Chicago, Ill. Filed Apr. 8, 1922. Serial No. 550,614. 1 Claim. (Cl. 152—18.)

A reinforcing insert for pneumatic tire casings comprising, a sheet of vulcanized fiber formed on both faces with a series of closely arranged shallow depressions of an undercut form adapted to provide an effective bond-



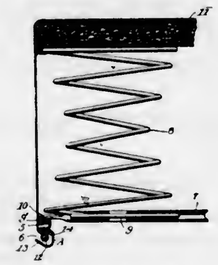
ing connection with the rubber constituent of the tire casing in which it is embedded.

1,460,600. FOLDING HOOD AND SCREEN. GEORGE L. W. PALMER, Plainfield, N. J. Filed Nov. 19, 1920. Serial No. 425,235. 9 Claims. (Cl. 88—24.)



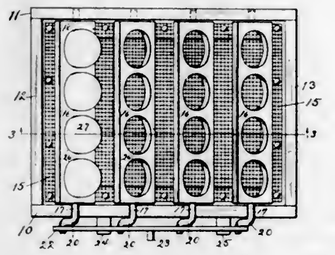
1. A device of the character described having, in combination, a collapsible hood, a frame located at one end of said hood, a screen located in said frame, and a plurality of collapsible members adapted to simultaneously support said frame and hold said hood against collapse and in its extended position.

1,460,601. SPRING STRUCTURE. HARRY A. PALMER, Jackson, Mich., assignor to Reynolds Spring Company, Jackson, Mich. Filed Jan. 18, 1922. Serial No. 530,045. 2 Claims. (Cl. 155—180.)



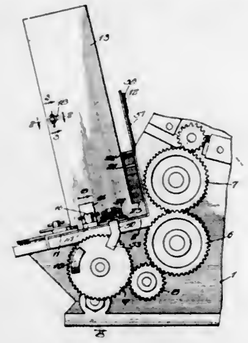
1. In a spring structure a base frame composed of a strip of sheet metal folded upon itself to form superimposed outwardly opening grooves, pairs of U-shaped spring supporting bars having the opposite walls at the ends thereof brought together and bent to form hooks of double thickness adapted to rest upon the top of the base frame and hook into the uppermost groove, springs mounted on said bars, and an upholstering covering including a skirt having its marginal edge secured in the lowermost groove of the base frame.

1,460,602. EGG-TURNING ATTACHMENT FOR INCUBATORS. SOLOMON PETERMAN, Nevada, Iowa. Filed Apr. 18, 1922. Serial No. 555,336. 2 Claims. (Cl. 119—44.)



1. An egg-turning attachment for incubators, comprising a tray having a screen bottom, slats mounted for oscillation in said tray and adapted to engage said bottom alternately by their side margins, each tray being formed with egg-carrying seats adapted to hold eggs with their longest diameters at angles to said bottom.

1,460,603. ENVELOPE-FEEDING MECHANISM. CLAUDE L. POST, Chicago, Ill. Filed Aug. 31, 1921. Serial No. 497,220. 15 Claims. (Cl. 271—2.)

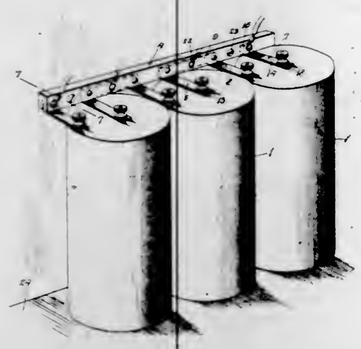


1. In an envelope handling device of the kind described and in combination, an envelope magazine, printing rolls, means for turning the flaps of successive envelopes on their line of fold and extending them in the direction of said rolls, and means for intermittently jogging said envelopes.

1,460,604. BATTERY CONNECTOR. CLARENCE E. POTTER, Baltimore, Md. Filed Feb. 17, 1921. Serial No. 445,652. 2 Claims. (Cl. 173—324.)

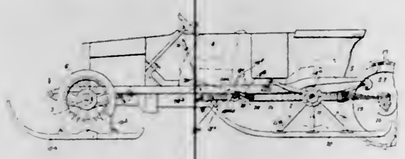
1. In a battery connector, an insulating body to extend across a plurality of battery cells, conductor elements extending laterally from said body and having their

inner ends embedded therein and their outer ends constructed to engage battery-cell binding posts, bridging members of conducting material embedded in the insulating body and connecting the inner ends of some



conductor elements, and means extending through the insulating body to secure the bridging members and the inner ends of conductor elements within said body, said means serving also to connect circuit conductors to said elements.

1,460,605. AUTOMOBILE SLEIGH ATTACHMENT. JAKOB RANTASÄ, Vienna, Austria. Filed Apr. 3, 1920. Serial No. 371,135. 6 Claims. (Cl. 180—5.) (Granted under the provisions of the act of Mar. 3, 1921, 41 Stat. L., 1313.)



1. A sleigh attachment for motor vehicles, comprising a pair of levers each pivotally mounted at a point intermediate its ends, a traction unit mounted between said levers near one end thereof, means for raising and lowering the opposite end of the levers and thereby raising or lowering the traction unit, and runners pivotally mounted on the pivotal axis of said levers.

1,460,606. PROCESS FOR MANUFACTURING CONDENSATION PRODUCTS. KURT RIPPER, Vienna, Austria, assignor to Fritz Pollak, Vienna, Austria. Filed Sept. 9, 1922. Serial No. 587,221. 13 Claims. (Cl. 260—3.)

1. The process for manufacturing condensation products from an urea with formaldehyde which consists in retarding the gelatinization of the initial condensation products soluble in water by the addition of salts showing alkaline reaction on hydrolysis.

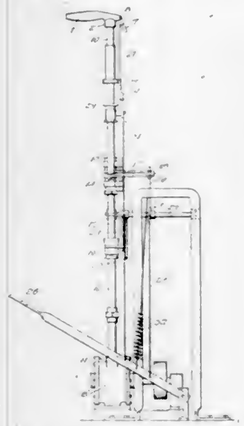
1,460,607. CLEANING STICK. HOWARD W. ROUTSON, Oakland, Calif. Filed Mar. 2, 1922. Serial No. 540,620. 4 Claims. (Cl. 15—209.)

1. A cleaning stick comprising a tube, and a body of cleaning material frictionally held in said tube and adapted to be protected from one end thereof, said cleaning body comprising a soap stick, steel wool wound on said soap stick, and a fabric binder over said steel wool.



3. A cleaning stick comprising a tube and a body of cleaning material frictionally held in said tube and adapted to be projected from one end thereof, said cleaning material comprising a body of spirally wound steel wool and a fabric binder over said steel wool.

1,460,608. SHOE LINER. CHARLES A. L. SAUNDERS, Elgin, Ill. Filed Dec. 9, 1921. Serial No. 521,167. 16 Claims. (Cl. 12—39.)



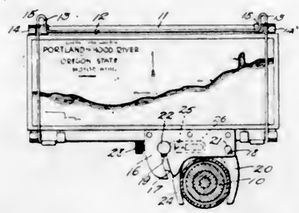
1. In a device of the kind described and in combination, a jack, suction means for holding a shoe lining thereon, and means for releasing said lining when the sheet is properly positioned on the jack.

1,460,609. DOOR LOCK. LUIGI SCOLA, Newcastle, Wash. Filed Feb. 13, 1922. Serial No. 536,129. 2 Claims. (Cl. 292—144.)



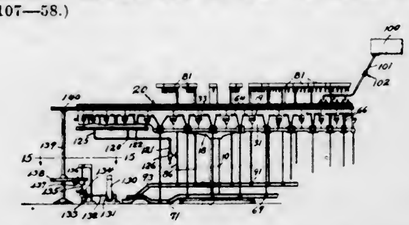
1. A door lock, comprising a plate, a guide mounted on the plate, a bolt slidable between the guide and plate, a cylinder mounted on the plate, a piston mounted for reciprocating movement in the cylinder, and a rod rigidly connecting the piston and the bolt, and means remote from the cylinder for exerting a pressure on the piston for projecting the bolt and creating a suction thereon for retracting the bolt.

1,460,610. MAP AND RECORD HOLDER. CHARLES H. SEGREE and GEORGE C. BEHLIN, Caldwell, Idaho. Filed Sept. 14, 1922. Serial No. 588,197. 3 Claims. (Cl. 40—13.)



1. A map or the like holder comprising a supporting base, map retaining means on the base, a jaw member movably supported on the base, a second jaw movably carried by the first jaw, means for adjusting the jaws toward and away from each other, and means for adjusting the jaws toward and away from the base.

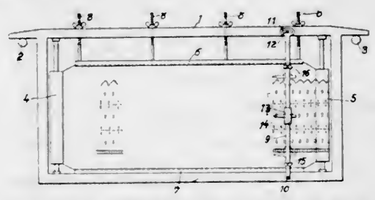
1,460,611. CONE-MAKING MACHINE. JOSEPH SHAPIRO, Baltimore, Md. Filed Aug. 29, 1919, Serial No. 320,620. Renewed May 18, 1923. 4 Claims. (Cl. 107—58.)



1. In a cone making machine, a support, a plurality of cores thereon, a slide rigidly secured to said support at right angles thereto, a plurality of guideways for said slide, a roller pivotally mounted on said slide below said guideways, and means for engaging said roller to raise said support and cores.

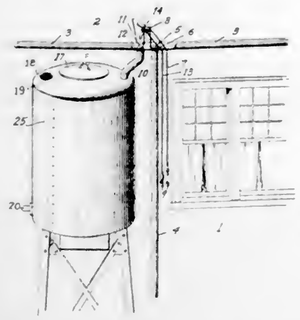
4. In a molding machine, a pair of vertically disposed horizontally slidable cooperating mold sections, a pair of cranks mounted on opposite sides of said sections substantially central of their top and bottom faces, a plurality of straight fingers on each crank having slightly rounded ends to engage the body of each section to force them into contact with each other, said fingers, when the molds are closed, each pointing toward the axis of the opposite crank.

1,460,612. EMBROIDERY MACHINE. GOTTWALT SIEBER, Plauen, Germany. Filed Jan. 27, 1923. Serial No. 615,293. 5 Claims. (Cl. 112—90.)



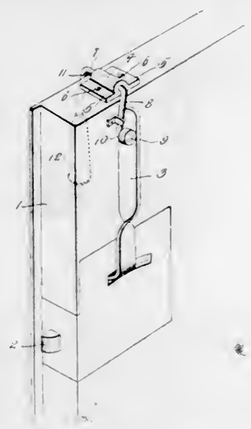
1. In a device for exchanging portions of fabric upon embroidery machines in the manufacture of long embroideries in steps, the combination, with the movable frame of the embroidery machine, of an adjusting bar provided at said frame, and a directive hand provided at said bar, substantially as described.

1,460,613. WATER-SUPPLY SYSTEM FOR DWELLINGS AND THE LIKE. CAROLINE A. SILL, Oklahoma, Okla. Filed Feb. 20, 1922. Serial No. 537,685. 5 Claims. (Cl. 137—9.)



1. Means for supplying water to the plumbing system of a house, comprising an elevated tank connected to said plumbing system and located in proximity to the eaves-trough or gutter of the house, said eaves-trough being provided with the usual down-take conductor, a pipe leading from the eaves-trough to the tank, said pipe being provided with an inlet valve normally cutting off the passage of water therethrough to the tank, and a valve for the downtake conductor; whereby, on the occurrence of rainfall, the valve of the downtake conductor may be opened to permit the discharge of the initial body of rain water to waste together with the impurities which accompany it from the roof and eaves-trough, and whereby on closing said valve and opening the valve governing the supply to the tank, the tank will receive the secondary supply of rain water uncontaminated by said impurities; substantially as described.

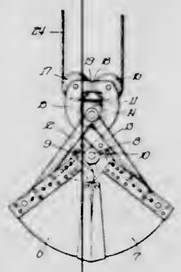
1,460,614. AUTOMOBILE DOOR OPENER. CHARLIE J. SMITH, Jr., Henderson, N. C. Filed May 19, 1921. Serial No. 471,006. 1 Claim. (Cl. 292—164.)



The combination with an automobile door having a latch provided with an upstanding releasing lever at the inner side of the door, of an abutment secured upon the inner face of the door adjacent the upper end of said lever, a bearing secured upon the upper edge of the door

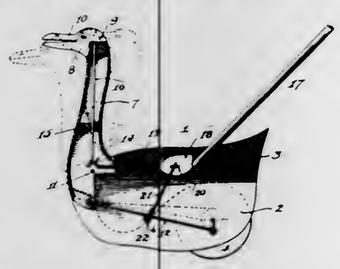
and extending transversely thereof, a rod extending through the bearing and having its end portions bent to provide a rocker shaft journaled in the bearing and extending beyond the inner and outer sides of the door and arms extending in depending relation from the ends of the rocker shaft, the inner arm extending between the abutment and the upper end portion of said lever and having its free end portion bent to extend transversely of the lever, a roller upon the bent end portion of the inner arm and engaging said lever, the outer arm of said rocker shaft constituting an actuating arm for turning the rocker shaft and swinging the inner arm to move the lever to a latch-releasing position.

1,460,615. RECLAIMING BUCKET. DANIEL E. STAIB, Elkhart, Ind. Filed Aug. 17, 1922. Serial No. 582,482. 11 Claims. (Cl. 37—184.)



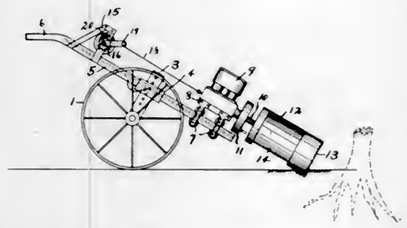
1. In a clam-shell bucket, a pair of coacting bucket members hingedly connected together, a lever arm connected to each bucket member, and means carried by the lever arms adapted to detachably engage the bucket above its center of gravity whereby when supported by said means, the bucket is closed by gravity, said means being adapted to disengage the bucket to permit the bucket to open when the weight of the bucket is taken from said means.

1,460,616. FIGURE WHEELED TOY. ERNEST STARBUCK, Peoria, Ill. Filed May 9, 1921. Serial No. 468,104. 4 Claims. (Cl. 46—45.)



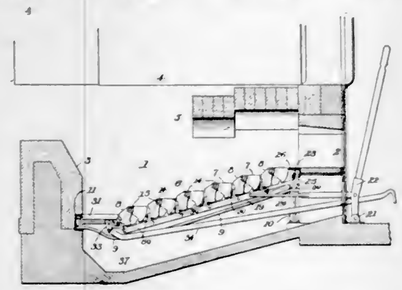
1. The combination, in a toy, of a body simulating a fowl and including supporting wheels, a neck portion pivoted to the body including a head portion, a bill portion pivoted to the head portion, a pitman operatively connected at one end with the wheels and at its other end attached to the neck for imparting movement to the latter, a member disposed within the neck portion and adapted to have endwise movement therein and at one end adapted to engage the pivoted bill portion, and a member secured to the body having a curved surface disposed adjacent the pivot of the neck portion, the other end of the first named member engaging the said curved surface.

1,460,617. STUMP REMOVER. BUFORD J. STEEN and WILLIAM O. MARTIN, Christine, Tex. Filed Feb. 13, 1922. Serial No. 536,303. 1 Claim. (Cl. 143—85.)



A device of the character described including an axle, carrier wheels supporting the same, standards adjacent said wheels and upstanding from said axle, a vertically adjustable bearing on each standard, tracks secured to said bearings forming a supporting framework, and whose rear ends are formed into handles, a motor frame mounted to move on said tracks, a motor carried by said frame having a forwardly projecting drive shaft, a fly wheel fixed on said shaft, a tubular saw fastened to the forward end of said shaft, a cut away portion in one side of said saw, frames fixed on said tracks near their rear ends, a rotatable drum shaft mounted in suitable bearings carried by said frame, a drum fixed on the drum shaft between said tracks, a cable attached at one end to the motor and whose other end is wound around the drum, means for rotating the drum in one direction, and means for locking said drum against rotation in the other direction.

1,460,618. HAND STOKER. FREDERICK C. STIMMEL, Chattanooga, Tenn., assignor to The Casey-Hedges Co., a Corporation of Ohio. Filed Apr. 5, 1922. Serial No. 549,913. 11 Claims. (Cl. 110—39.)

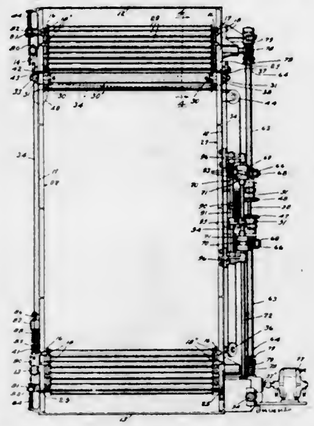


9. In a stoker, a progressive feed grate having alternating stationary and rocking transverse grate bars, the latter bars being normally arranged as a series of horizontal steps, the stationary bars being inclined, and both kinds of bars being slotted for the purpose specified.

1,460,619. ADVERTISING DEVICE. HENRY W. SEMNER, Seattle, Wash. Filed Mar. 19, 1921. Serial No. 453,648. Renewed Mar. 1, 1923. 11 Claims. (Cl. 40—30.)

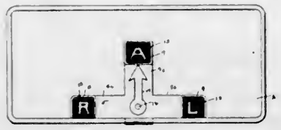
1. A device of the class described comprising an upright frame, a roller receiving magazine at each end of said frame, spring rollers arranged to be removably held by said magazines, a display curtain arranged to wind on each of said spring rollers, one end of each display curtain being secured to its roller and the other end being secured to the magazine, a traveler bar disposed transversely of said frame and movable lengthwise thereof and

arranged to successively pick up the rollers and display the curtains by moving the rollers away from the magazines



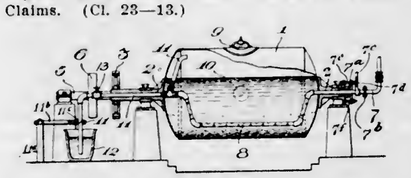
and then returning the said rollers to the magazines, and an endless driven cable connected with both ends of said traveler bar for moving the same.

1,460,620. AUTOMOBILE SIGNAL. RICHARD TAEUBERT, Holyoke, Mass. Filed May 29, 1919. Serial No. 300,793. 3 Claims. (Cl. 116—47.)



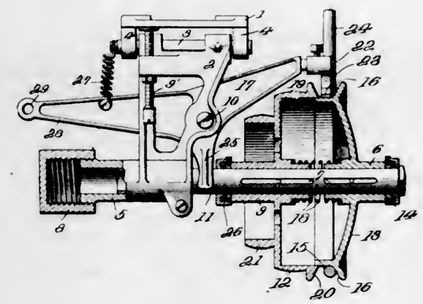
1. A traffic signal consisting of a frame adapted to be secured to wind-shield or vehicle part and provided with a non-rotatable member having notches in its edge radially spaced from each other, a pivot extending through said member, an indicator carried by said pivot and provided with a pin to engage either one of said notches, a spring for holding the pin engaged with either notch to retain the indicator in selected position.

1,460,621. APPARATUS FOR MANUFACTURING LIME SULPHUR. ROKUJIRO TAKI, Abe-Gun, Shizuoka-Ken, Japan. Filed Feb. 18, 1921. Serial No. 446,111. 2 Claims. (Cl. 23—13.)



1. An apparatus for manufacturing lime sulphur comprising a horizontally disposed pressure-proof rotatable tank provided with a filling opening, a cover for said opening, trunnions fixed at both ends of said tank, means for supporting said trunnions, means for rotating said tank, a steam pipe extending through one of said trunnions and having a normally stationary U-shaped perforated portion normally arranged in the lower portion of said tank in order to discharge steam into the material beneath the level of said material, said U-shaped portion being pivotally mounted in said tank to permit said U-shaped portion to be moved to and maintained in a position at the upper portion of the tank during the rotation of the tank for cooling the contents, and a gas discharge pipe having its inner end opening into the upper portions of the interior of the tank and its outer end arranged exteriorly of the tank.

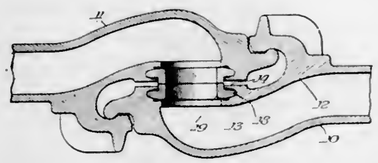
1,460,622. POWER-TRANSMITTING DEVICE. ARTHUR E. THOMPSON, Utica, N. Y., assignor to Union Special Machine Company, Chicago, Ill., a Corporation of Illinois. Filed Apr. 2, 1921. Serial No. 458,008. 6 Claims. (Cl. 192—11.)



1. A power transmitter including in combination, a support, a driving pulley mounted thereon and having belt gripping devices, and manually operated means for causing said belt gripping devices to engage and drive the belt.

5. A power transmitter including in combination, a supporting shaft, a member mounted to rotate freely on said shaft and held from endwise movement thereon, said member having an outwardly projecting flange, a cylindrical laterally projecting portion, a driving pulley freely mounted on said shaft and capable of endwise movement thereon, said driving pulley having a cylindrical recess adapted to freely receive the cylindrical projection on said rotatable member, a spring for normally separating the driving pulley and rotatable member, said driving pulley and rotatable member having projecting flanges with faces inclining outwardly and away from each other between which the belt to be driven runs, and manually controlled means for moving the driving pulley so that the belt may rest freely on the cylindrical projection when the belt is idle and so that said belt may be gripped and driven by the inclined flanges when desired.

1,460,623. COUPLING HEAD AND METHOD OF MAKING SAME. VICTOR T. TOBOLLA, Chicago, Ill., assignor to William L. Read and Charles F. Read, both of Chicago, Ill. Filed Nov. 11, 1920. Serial No. 423,346. 12 Claims. (Cl. 285—63.)



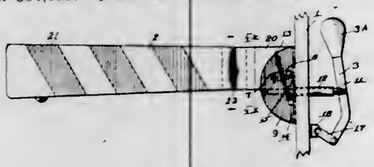
1. A coupling head, comprising a body having a port extending therethrough and surrounded by an annular gasket seat, said seat including a ring of non-corrodible metal embedded in and having its inner and outer circumference embraced by the metal of said body.

1,460,624. INSULATING CAP FOR ELECTRICAL-CABLE JOINTS. FREDERIK MARINUS VAN GELDEREN, Enschede, Netherlands. Filed Mar. 3, 1923. Serial No. 622,641. 9 Claims. (Cl. 173—268.)



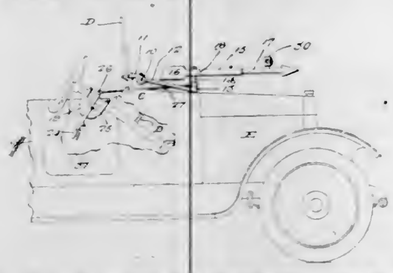
9. The combination with a hollow insulating cap for the bare ends of electrical conductors, said cap being internally screw-threaded, a coil of wire within said cap, said coil comprising two substantially conical sections apex to apex, the widest turn of one of said sections being in engagement with the threads of the cap adjacent the bottom of the same, the remaining portions of the coil being out of contact with the wall of the cap before application of the cap to the conductor, but expandible into engagement with the threads of the cap when the latter is applied to the conductor, the force of the engagement between the coil and the conductor being greater than the force of the engagement between the coil and the cap, whereby when the cap is unscrewed from the conductor the coil remains on the latter.

1,460,625. AUTOMOBILE SIGNAL. JOSEPH R. VILLARD, Rochester, N. Y. Filed Aug. 28, 1922. Serial No. 584,629. 4 Claims. (Cl. 116—52.)



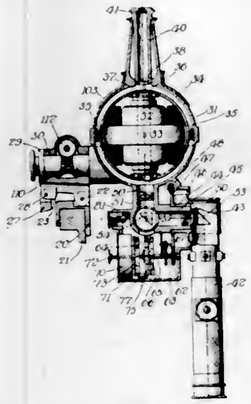
1. In an automobile signal, the combination of a base, a pair of toggle levers mounted to swing on said base, a signal arm pivoted between said toggle levers and intermediate thereof, a push rod pivoted to the free end of said toggle levers and making contact with the inner or under edge of said signal arm, said push rod being adapted to be moved to swing said toggle levers with said signal arm on said base until said push rod slides under the end of said signal arm and allows said signal arm to rest on top of said push rod which then forms a supporting bracket for said signal arm to hold it in a horizontal position.

1,460,626. VEHICLE SIGNAL. GEORGE F. WARNER, Ennis, Tex. Filed June 10, 1922. Serial No. 567,357. 4 Claims. (Cl. 116—47.)



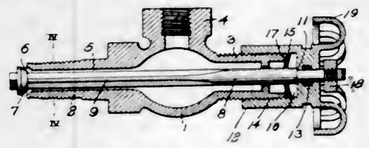
1. A signaling device for vehicles comprising an indicator pivoted for horizontal swinging movement above the hood of a vehicle, a support carried by the windshield and having a bearing for said indicator, a control lever mounted within the vehicle and having an operative connection with said indicator whereby to swing the latter, said indicator being formed of sections hingedly connected by a rule joint whereby the foremost section may be swung upwardly into vertical position out of obstructing relation to the hood to permit opening of the latter.

1,460,627. PRECISION INSTRUMENT FOR AIRPLANES, ETC. IRA A. WEAVER, Springfield, Ill. Filed Aug. 2, 1918. Serial No. 248,182. 29 Claims. (Cl. 88—1.)



1. In an appliance of the character described, the combination of a gyroscopically controlled sight, an adjustable sight-piece adapted to be brought into register with said gyroscopic-sight, and a telescope angularly adjustable relatively to said sight-piece, substantially as described.

1,460,628. SAFETY LOCOMOTIVE-CAB VALVE. PETER WERTZ, Pittsburgh, Pa. Filed Nov. 16, 1921. Serial No 515,649. 4 Claims. (Cl. 251—45.)



1. A valve comprising a casing provided with a passage therethrough, oppositely extending threaded nipples thereon, a valve seat formed at the extremity of one of said nipples, a rod having cleaning wings fitting the said passage and formed with a valve head at one end cooperating with the seat and projecting beyond and through an opening in a cap threaded on the other nipple, said rod having a shoulder against which the cap abuts to open the valve, and a head on the rod beyond the cap with which the cap contacts to lock the valve to its seat, the distance between said shoulder and head being greater than the thickness of the cap to provide a lost motion connection between the cap and rod.

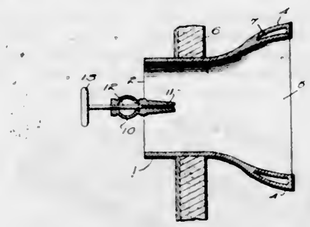
1,460,629. SWITCH. MERLE J. WEST, Milwaukee, Wis., assignor, by mesne assignments, to H. W. Le Mahieu, Oostburg, Wis. Filed Mar. 10, 1921. Serial No 451,153. 2 Claims. (Cl. 200—159.)

2. In a circuit closer, the combination of a metal base member having a recess, binding posts for securing the ends of the conductor wires within said recess, one of said posts being insulated from said member, a resilient plate within the recess and detachably secured at one end to said base member and having its free end movable into



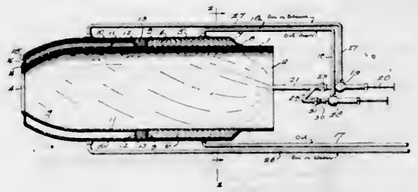
contact with said insulated binding post, an actuating pad having its base fitting in said recess, and a detachable slip-on interlocking connection between said pad and plate.

1,460,630. OIL BURNER. ROBERT W. WIEDERWAX, Atlantic City, N. J., assignor to Geist Manufacturing Company, Atlantic City, N. J., a Corporation of Delaware. Original application filed July 25, 1921, Serial No. 487,534. Divided and this application filed Apr. 13, 1922. Serial No. 552,268. 4 Claims. (Cl. 158—53.)



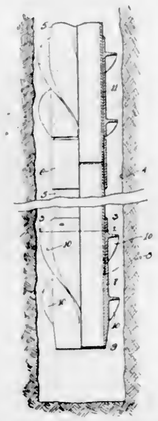
4. A burner comprising a casing forming a combustion chamber, a nozzle arranged adjacent the rear of said combustion chamber, the walls of said casing converging vertically forwardly of said nozzle and diverging horizontally to provide a broad outlet of restricted height, a vaporizing retort surrounding the forward end of said casing, said retort terminating at substantially the point where the flame from said nozzle strikes the wall of the combustion chamber, means for conveying fuel to said retort, and means for conveying vaporized fuel from said retort to said nozzle.

1,460,631. BURNER. ROBERT W. WIEDERWAX, Atlantic City, N. J., assignor to Geist Manufacturing Company, Atlantic City, N. J., a Corporation of Delaware. Filed June 2, 1922. Serial No. 565,339. 6 Claims. (Cl. 158—56.)



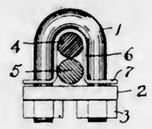
6. A burner for liquid fuels comprising a substantially tubular burner casing having open ends, a retort surrounding the rear of said casing, a preheater surrounding said casing forwardly of said retort, a burner pipe arranged adjacent the rear of said casing, a jet arranged in said burner pipe, a pipe connecting said jet to said preheater to deliver heated fluid to said jet, a branch pipe extending from said burner pipe intermediate the ends of said jet, and a pipe connecting said branch pipe to said retort.

1,460,632. CENTERING CEMENTING SHOE. WILSON B. WIGLE and WALTER HUGHES, Long Beach, Calif. Filed June 28, 1922. Serial No. 571,516. 6 Claims. (Cl. 166—9.)



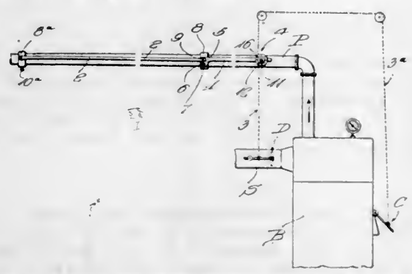
1. A cement centering fitting for casing comprising a tubular body adapted to be mounted on the casing, said body being provided with spacing vanes projecting therefrom.

1,460,633. ROPE CLAMP. JOHN B. WOODBURY, South Portland, and GEORGE C. SOULE, Portland, Me. Filed Mar. 22, 1922. Serial No. 545,847. 1 Claim. (Cl. 24—135.)



In a rope clamp, the combination of a U-shaped bolt, a base plate, a U-shaped bearing plate embraced by said bolt and bent outward at its lower ends to form retaining flanges, said base plate and flanges having openings for the passage of said bolt and tightening means for said bolt.

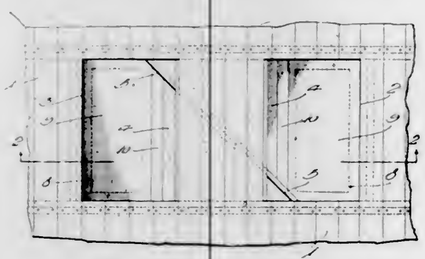
1,460,634. DRAFT REGULATOR. CLAUDE H. ABBOTT, Lisbon, N. Dak. Filed Jan. 24, 1921. Serial No. 439,581. 5 Claims. (Cl. 236—103.)



5. In a draft regulator, a lever provided at its free end with a lateral extension providing an axle, a drum

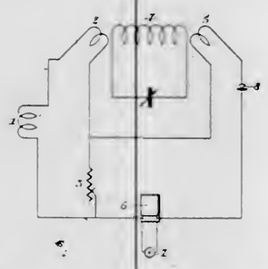
rotatable on the axle, a stop on the free end of the axle, a dial surrounding the inner end of the axle, a pointer carried by the drum and co-operable with the gradnations on the dial, and a coiled spring surrounding the axle between the drum and the dial to hold the drum in various set positions.

1,460,635. ELEVATOR DUMP. ISAAC S. ALTON, Oxford, Kans. Filed Sept. 25, 1922. Serial No. 590,502. 3 Claims. (Cl. 193—31.)



1. A distributing dump comprising a platform having spaced openings, a partition beneath said platform and between said openings, chutes extending from said openings in opposite directions and extending across said partition for depositing material upon the opposite sides of the partition, each chute having an opening beneath the opening in the platform from which the chute extends, and a cover movable from a lowered position closing the opening to an elevated position forming a barrier extending across the chute for directing material through the opening in the chute.

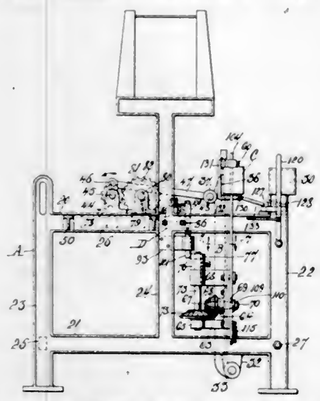
1,460,636. WAVEMETER. PIERRE JULES ARMAGNAT, Paris, France. Filed Aug. 9, 1920. Serial No. 402,396. 1 Claim. (Cl. 250—39.)



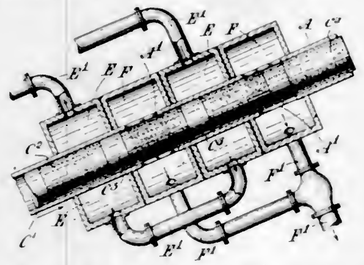
Apparatus for use in measuring the lengths of continuous electric waves, said apparatus comprising a circuit containing a coil, a second coil and an adjustable non-inductive resistance, a calibrated oscillating circuit having a condenser and a coil in inductive relation with the coil, and a circuit containing a coil in inductive relation to the coil, a buzzer, detector, telephone and the non-inductive resistance.

1,460,637. SHUTTLE-OPERATING MECHANISM. ALFRED AULETTA, Bayonne, N. J., assignor of one-third to Peter Paris, Bayonne, N. J. Filed May 27, 1922. Serial No. 564,089. 8 Claims. (Cl. 139—146.)

2. In a shuttle operating mechanism the combination of a bracket plate, means to swing the plate, a picker stick pivoted to the plate, a shaft journaled to the plate, a gear fastened to the shaft, a contact arm extending from the shaft, a stop plug, means to locate the stop plug in the path of the contact arm.

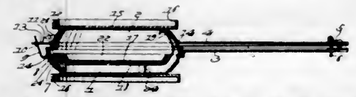


1,460,638. PROCESS AND APPARATUS FOR COKING THE DISCHARGED MATERIAL FROM LOW-TEMPERATURE DISTILLATION APPARATUS. EDWARD BARRS, London, England. Filed Dec. 22, 1921. Serial No. 524,155. 7 Claims. (Cl. 202—8.)



1. In apparatus for coking fuel and for the production of gas, the combination with a tubular retort in the form of a conduit through which fuel can be fed continuously, at least one heating jacket surrounding a portion of said conduit, and means for supplying a heating medium to the heating jacket, of at least one gas-withdrawing jacket that surrounds another portion of said conduit, which latter portion has in its wall a plurality of ports that put the gas-withdrawing jacket into open communication with the interior of said conduit, and means for conducting gas away from the gas-withdrawing jacket.

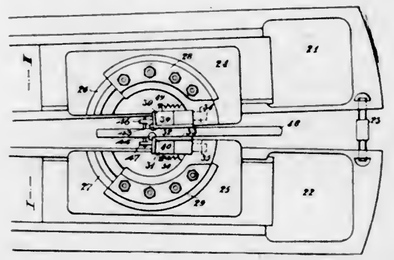
1,460,639. COMBINED FIELD OVEN AND COOKING UTENSIL. BERNARD L. BRADDICK, Washington, D. C. Filed July 15, 1922. Serial No. 575,316. 2 Claims. (Cl. 53—6.)



1. In a combined field oven and cooking utensil, the combination with a pair of complemental pan sections, one being inverted over and engaging the other, means for latching said pan sections together, each pan section having its marginal flange provided with a cylindrical portion, a perforated steamer plate, bracket plates

secured to the under face of the steamer plate and having lateral arms to engage the cylindrical portion of one of the pan sections, and provided with downwardly extending legs to engage the bottom of one of the pan sections, to support the steamer plate.

1,460,640. METHOD AND MACHINE FOR PLANING HELICAL TEETH, MORE PARTICULARLY FOR BEVEL GEARS. HEINRICH BRANDENBERGER, Vienna, Austria. Filed Jan. 5, 1921. Serial No. 435,268. 4 Claims. (Cl. 90—9.)



1. The method of planing helical teeth, consisting in proportioning the ratio of the number of strokes of the cutting tool to the number of revolutions of the constantly rotating work so that the cutting tool misses a number of pitch intervals.

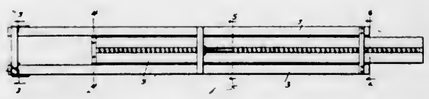
3. In a planing machine for making bevel gear wheels with helical teeth, tool slide guides, tools and tool receiving heads adjustable in a circular arc about an axis perpendicular to their line of motion in such a manner that the direction of the tools to the line of motion of the tool heads may be altered without changing the cutting edges of the tools from their positions substantially centrally of the arc.

1,460,641. DETACHABLE CIGAR BAND. ERNEST L. BROOME, Tarrytown, N. Y. Filed May 25, 1922. Serial No. 563,639. 4 Claims. (Cl. 40—21.)



1. The combination with a cigar, of a band, and a substance sensitive to heat at a low temperature for fastening the band upon the cigar, said substance being melted when subjected to heat from the cigar when lighted.

1,460,642. BOOKRACK. LUTHER DOYLE CADENHEAD, McKinney, Tex. Filed July 17, 1922. Serial No. 575,731. 1 Claim. (Cl. 45—53.)

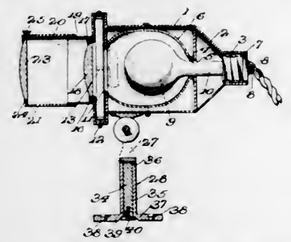


An adjustable book rack comprising a base composed of two sections, slidably connected, and two end walls, one end wall being rigidly connected to an end of one of the sections, the other end wall being slidably connected to the other section for adjustment therealong and means for holding the said end wall against adjustment on the said section.

1,460,643. CEMENTITIOUS COMPOSITIONS SUITABLE FOR FLOORING, PAVING, AND SO FORTH. CHARLES F. CURTIS, London, England. Filed Aug. 22, 1921. Serial No. 494,370. 4 Claims. (Cl. 106—24.)

4. A cementitious composition comprising a mixture of coke breeze, sand, wood dust in substantially equal proportions, about one-third the quantity of plaster of Paris, about double the quantity of Portland cement, and water in which a small quantity of alum has been dissolved.

1,460,644. CHANGEABLE-COLOR SPOTLIGHT. JAMES MARTIN DOLLISON and CLAUDE EUGENE SMITH, Columbus, Ohio. Filed June 8, 1922. Serial No. 566,737. 3 Claims. (Cl. 240—3.)



1. In a device of the character described, a casing having an opening at one end and being adapted to support a light emitting element therein, means within the casing for projecting rays of light from the light emitting element through the opening, a color disk rotatably supported in eccentric relation to the opening in the casing and having a plurality of translucent portions of different colors arranged in an annular series between its axis of rotation and its periphery, in position to be successively interposed between the light emitting element and the opening as the color disk is rotated, a lamp stand supporting the casing in vertical position with the end having the opening therein uppermost, a lamp shade encompassing the casing, and an inverted conical reflector within the lamp shade above the casing having the opening for reflecting rays of light upon the lining of the lamp shade.

1,460,645. WINDOW PROTECTOR. LEE W. DUNCAN, Fort Wayne, Ind. Filed May 22, 1922. Serial No. 562,664. 2 Claims. (Cl. 20—40.)



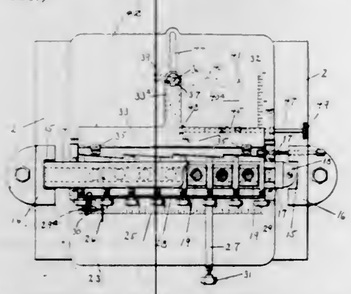
1. A window protector comprising a support formed with an opening in one of its ends, a shank adapted

for slidable and removable engagement within the opening, resilient means for engaging a pane of glass carried by the shank, and means arranged on the shank between the end of the support and the resilient pane engaging means for adjusting the position of the shank with respect to the support whereby to adjust the pressure of the resilient means upon the pane of glass.

1,460,646. ICE MANUFACTURE. RIDSDALE ELLIS, Oak Park, Ill. Filed Jan. 20, 1919. Serial No. 272,212. 12 Claims. (Cl. 62—172.)

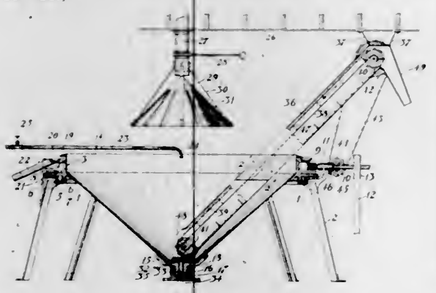
1. The process of making raw water ice which includes subjecting the water to softening treatment to eliminate calcium and magnesium salts then adding a substance adapted to increase materially the solubility of the calcium and magnesium compounds remaining in the water after the softening treatment and then freezing the water so treated.

1,460,647. DEVICE FOR PERFORATING PAPER. ISRAEL H. FRUCHTER, New York, N. Y. Filed Sept. 21, 1921. Serial No. 502,105. 2 Claims. (Cl 164—118.)



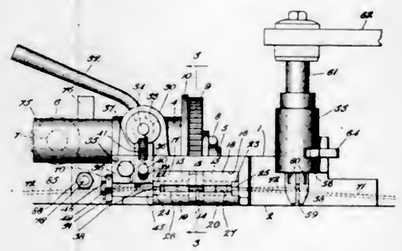
1. In a perforating device, a plurality of reciprocative plunger-dies adapted to be vertically moved by pressure, and a follower for holding said dies, adjustable sleeve-bearings for said dies, means for mounting said bearings and means for fixing said bearings in spaced relation, and a plurality of pierced die-plates having their openings in register beneath said plunger-dies, and a table for carrying a plurality of sheets to be perforated by said plunger-dies, and means for fixing said sheets over said die-plates, and means for guiding and gaging said sheets comprising a reciprocating slide, and means for actuating said slide and means for mounting and supporting the said parts.

1,460,648. METHOD OF PURIFYING GARLICKY WHEAT. JOHN E. GASKILL, St. Louis, Mo. Filed May 23, 1919. Serial No. 299,289. 7 Claims. (Cl. 83—28.)



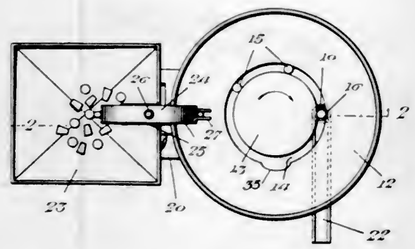
1. The method of purifying normal wheat of its associated green garlic, comprising, immersing the grain and its garlic impurity in their normal states in a liquid of a suitable specific gravity so as to cause the impurity to separate from the grain by flotation, and separately withdrawing the grain and impurity so separated.

1,460,649. WIRE STRETCHING AND TYING MACHINE. ALEC J. GERRARD, Chicago, Ill. Continuation of application Serial No. 282,390, filed Mar. 13, 1919. This application filed May 13, 1920. Serial No. 381,165. 17 Claims. (Cl. 140—93.)



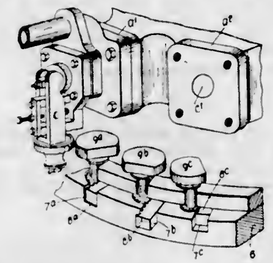
1. In a portable wire twisting machine, the combination of a frame provided with a slot; rearwardly extending means rigid wth said frame; forwardly extending means rigid with said frame; a wire twisting means having a slot adapted to register with the slot of said frame and disposed between said first and second named means, said first and second named means having dimensions adapted to prevent the machine from tilting during its operation and said second named means being provided with a tapered surface forming a continuation of one side of the slot with which said frame is provided and adapted to facilitate the placing of the wires to be twisted in said first and second named slots, substantially as described.

1,460,650. CORKING MACHINE. SCOTT GILLESPIE and FREDERICK L. SHELOR, Salem, Va.; said Shelor assignor to International Filler Corporation, Petersburg, Va., a Corporation of Virginia. Filed June 15, 1920. Serial No. 389,254. 12 Claims. (Cl. 83—92.)



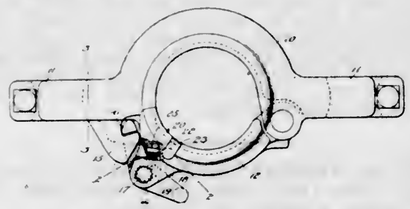
1. In a mechanism of the character described, a stationary member, and a cooperable movable member, said members having adjacent edges spaced apart horizontally to provide a slot of a uniform width, said edges being so arranged relatively to one another and the slot being of such a width that the smaller ends of tapered articles disposed between said members will pass down through said slot with the larger ends of the articles uppermost and supported by said edges and with the articles in rolling abutment against said edges, in order that such articles will be given a rolling motion about their axes between said edges with the axes of the articles disposed vertically, the stationary member having a notch in said edge thereof for releasing the articles to drop downwardly.

1,460,651. CAM. ROBERT FREDERICK HALL, Moseley, near Birmingham, England. Filed Nov. 5, 1920. Serial No. 422,048. 11 Claims. (Cl. 74—1.)



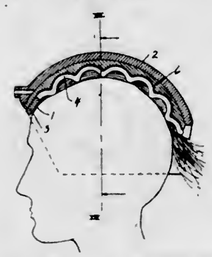
1. A cam mechanism including a supporting structure, means forming an operating surface for a cam comprising a series of eccentrically pivoted tappets, and operating means for rotating the tappets to vary the operating surface.

1,460,652. WELL ELEVATOR. HU M. HARRIS, Chattanooga, Tenn., assignor to Lucey Manufacturing Corporation, Chattanooga, Tenn., a Corporation of Tennessee. Filed Jan. 11, 1921. Serial No. 436,468. 8 Claims. (Cl. 294—90.)



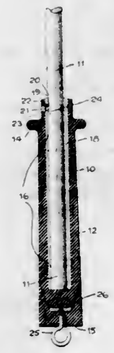
1. In a well elevator comprising a body and a gate hinged at one end to the body, the combination of a catch, a latch adapted to engage said catch when the gate is closed, and means for locking said latch in closed position, said locking means being spaced from said latching mechanism and operable by the load imposed on the elevator.

1,460,653. HAIR-WAVING MACHINE. JOHN MARTIN HIGGINS, Sacramento, Calif. Filed Nov. 20, 1922. Serial No. 602,195. 5 Claims. (Cl. 132—31.)



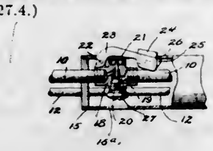
5. Means for producing a Marcel wave or the like comprising a comb consisting of a curved band adapted to transversely lie on the front portion of the head and a plurality of waved teeth extending rearwardly therefrom, said teeth being curved to follow the outline of the head, and a heating element hingedly secured to the comb having a waved bottom surface registering with the waves of the teeth.

1,460,654. INSULATED HANDLE FOR TOOLS. CHARLES P. L. HUSTON, Plainfield, N. J. Filed Apr. 2, 1919, Serial No. 286,917. Renewed Aug. 4, 1922. Serial No. 579,772. 12 Claims. (Cl. 16—116.)



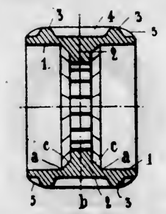
1. In a device of the class described, in combination, an insulated handle adapted to be used in connection with the shank of a tool, and resilient means associated with and mounted within said handle for gripping said shank.

1,460,655. COMBINATION CUTTING AND WELDING TORCH. ALEXANDER F. JENKINS, Baltimore, Md. Filed Aug. 11, 1919. Serial No. 316,640. 3 Claims. (Cl. 158—27.4.)



1. In a torch of the class described, conduits for gases including a conduit for cutting oxygen, a valve movable transversely of the handle for controlling the passage of fluid through said conduit, said valve having a projecting stem, a spring normally tending to close the valve, a pivoted lever adapted to be forced against the valve stem, to open the valve, a button slidably secured to the pivoted lever and provided with a latch, said valve stem bearing against the lever at a point intermediate its pivotal axis and said button and a tubular handle surrounding the gas conduits and said valve, the handle being slotted for the pivoted lever and the end wall of the slot serving as a catch for the latch secured to the button.

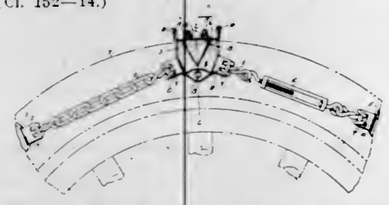
1,460,656. TRACK BELT FOR MOTOR VEHICLES. ADOLPHE KEGRESSE, Paris, France. Filed Mar. 30, 1921. Serial No. 457,110. 2 Claims. (Cl. 305—10.)



1. A track belt for automobiles, comprising an endless band of rubberized fabric having on its inner surface an

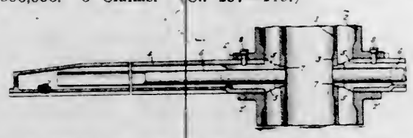
endless line of integral blocks spaced midway between the edges thereof and adapted to engage the peripheral surfaces of the driving wheels around which the belt is to pass, so as to guide the belt in its movements; said belt having on each side of said line of blocks a continuous, plane portion for engagement by the guide rollers which distribute the load over the driving stretch of the belt, and having on its outer surface continuous, integral tread projections forming track rails and integral ground-gripping projections, the rail-forming projections on the outer surface of the belt being located opposite the plane portions of the inner surface.

1,460,657. ANTISLIPPING ATTACHMENT FOR VEHICLE TIRES. ROBERT R. KINTZ, Meriden, Conn. Filed Mar. 24, 1922. Serial No. 546,386. 3 Claims. (Cl. 152—14.)



3. An anti-slipping device for vehicle tires, comprising a saddle, including a plate, and inwardly-projecting arms, means for connecting a series of saddles, said plates formed at opposite ends with angular flanges and with centrally-arranged angular flanges, said plates also formed with a series of threaded openings for the reception of calks.

1,460,658. RABBLING ARM FOR ROASTING FURNACES. DUDLEY BAIRD, Berkeley, Calif., assignor to General Chemical Company, New York, N. Y., a Corporation of New York. Filed Feb. 5, 1920. Serial No. 356,553. 3 Claims. (Cl. 257—119.)



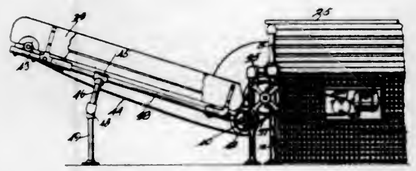
2. A rabble arm construction of the type described comprising an external tubular member, an internal tubular member projecting beyond the inner end of said external member, radially-extending devices spaced from each other on one of said members near the inner end thereof for supporting said internal member within the external member and spaced from the walls thereof, said devices projecting beyond the inner end of said external member, and a joint-forming member carried by the outer ends of said devices.

1,460,659. BOOT AND LINER FOR AUTOMOBILE AND SIMILAR CASINGS. JAMES L. D. BLEVANS, Dallas, Tex. Filed Nov. 30, 1920. Serial No. 427,447. 1 Claim. (Cl. 152—24.)



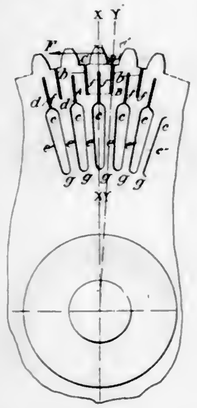
A boot for a tire casing having beads, metal hooks arranged upon the outer faces of the boot near its edges, each hook comprising an inner portion to engage the inner face of the bead, a base carried by the inner portion engaging the bottom wall of the bead, and an outer flange projecting upwardly from the base to engage the outer face of the bead, said hooks having interlocking engagement with the beads whereby the boot is held securely connected to the beads when the beads are spread during the insertion of the inner tube.

1,460,660. CONVEYER DEVICE FOR LAUNDRY ASSORTING AND MARKING BOOTHS. CHESTER W. CANINE, Cincinnati, Ohio. Filed Feb. 14, 1921. Serial No. 444,856. 10 Claims. (Cl. 186—14.)



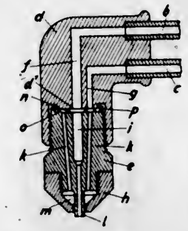
1. The combination with a series of laundry marking and assorting booths having frames, of a conveyer frame attached to and forming part of the adjacent booth constructions, an endless conveyer mounted therein, a top member supported on the frame above the conveyer, and a side wall supported on the frame above the conveyer, the side wall adjacent to the booths being provided with a series of openings, one for each booth, through which material may be passed from the boots upon the conveyer, for the purposes stated.

1,460,661. FLEXIBLE GEARING. MARCEL DE CONINCK, Le Havre, France. Filed June 8, 1920. Serial No. 387,384. 4 Claims. (Cl. 74—29.)



1. A gear wheel formed of a plurality of toothed disks keyed to the same shaft, the teeth of these disks being flexibly mounted with respect to the body of said disk and having also an elastic connection with neighboring teeth of the same disk so as to be capable of a peripheral displacement of the same order of magnitude as that due to the torsion or flexion of the wheel for small differences in the value of the tangential force on the different disks.

1,460,662. BURNER FOR THE AUTOGENOUS CUTTING OF METALS. ALEXANDER BERNHARD DRÄGER, HANS WILHELM CHRISTIAN SCHRÖDER, and ERNST WILHELM KUNZMANN, Lubeck, Germany; said Schröder and said Kunzmann assignors to said Dräger. Filed Aug. 18, 1921. Serial No. 493,413. 6 Claims. (Cl. 158—27.4.)



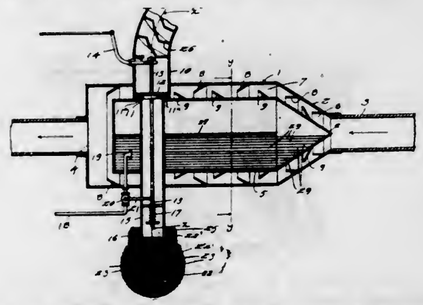
1. In a burner for the autogenous cutting of metals with a central oxygen cutting jet and an annular concentric heating flame, the combination of a burner head, a nozzle detachably connected therewith and provided with a concentric oxygen passage and a passage for a heating gas, means on said nozzle co-operating with said head to provide a packing whereby said oxygen and gas passages are sealed against communication with each other at this point, a nozzle-tip carried by said nozzle and constituting an outlet for the oxygen and a nozzle-cap carried by said nozzle and forming therewith a gas connecting chamber communicating with said gas passage, said nozzle-cap being provided with a central opening through which said nozzle-tip projects and of larger diameter than said nozzle-tip to form therewith an annular outlet slit for said heating gas.

1,460,663. LOOSE-LEAF BINDER. HOWARD A. DUDLEY, Hagerstown, Md. Filed Nov. 17, 1921. Serial No. 515,846. 8 Claims. (Cl. 129—8.)



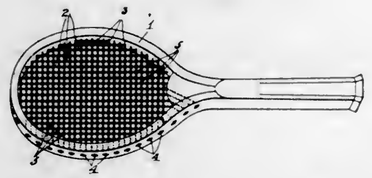
5. In a loose-leaf binder, a pair of headed pins oppositely arranged, each having a flat face slidably engaging the flat face of the other, the inner end portion of each of said pins being tapered at one side in a plane parallel to the plane embracing their flat faces.

1,460,664. COMBINED MUFFLER AND VAPORIZER. PAUL DUNLAP, Richmond, Calif. Filed July 11, 1921. Serial No. 483,988. 5 Claims. (Cl. 48—107.)



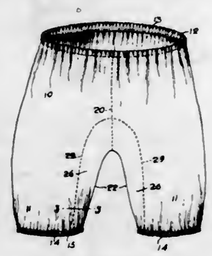
5. A combined muffler and vaporizer comprising spaced outer and inner drums, means for circulating the exhaust from the engine through the space between the two drums, means for supplying fuel to the inner drum and an air pipe extending through the two drums and across the space formed between them, said pipe having an opening communication with the inner drum to receive the vaporized fuel therefrom, a valve for controlling the passage of air and vaporized fuel through said pipe and into the mixing chamber connected therewith, and a fuel regulating valve operatively connected with the aforementioned valve to insure simultaneous operation of both valves.

1,460,665. TENNIS RACKET AND THE LIKE. EDSON F. GALLAUDET, East Greenwich, R. I. Filed Nov. 7, 1922. Serial No. 599,495. 19 Claims. (Cl. 46—24.)



1. The method of preparing strings of a fiber having properties of silk for the stringing of tennis and similar rackets which comprises thoroughly stretching the strings to remove the looseness of their particles and permanently stringing them in the racket in such stretched condition.

1,460,666. REENFORCED BLOOMERS. SAUL GELARIE, Brooklyn, N. Y. Filed Feb. 16, 1921. Serial No. 445,424. 7 Claims. (Cl. 2—126.)

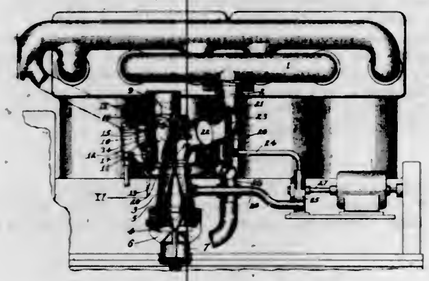


1. Reenforced bloomers or pantalets, comprising a body, legs and reinforcing front and back pieces overlying portions of the body and legs, the body having front and rear seams coinciding with the front and rear median lines and joined at the crotch, and the legs having seams at the inner sides joining the said front and rear seams at the crotch, the said reinforcing pieces being joined at their inner edges with the said seams, and stitches fastening the outer edges of the said reinforcing pieces to the said legs and body.

1,460,667. COMBUSTION-ENGINE CHARGE-FORMING DEVICE. JOHN GOOD, Brooklyn, N. Y., assignor to Good Inventions Co., New York, N. Y., a Corporation of New York. Filed Apr. 24, 1918. Serial No. 230,402. 9 Claims. (Cl. 123—119.)

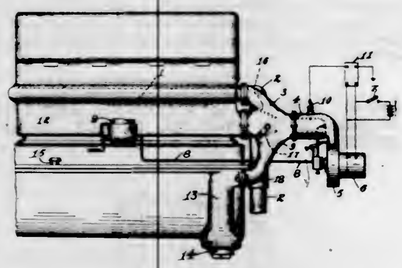
1. Charge-forming apparatus for combustion engines, comprising a suction intake, a fuel supply subject to the suction therein and delivering liquid fuel at a predetermined ratio to the flow of air through the intake, a

transfer pipe receiving said liquid after measurement and delivering the same into mixing relation to the air flow



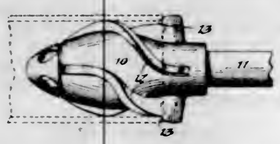
in said intake and means independent of the engine suction for forcibly atomizing the liquid delivery from said pipe.

1,460,668. INTERNAL-COMBUSTION ENGINE. JOHN GOOD, Brooklyn, N. Y., assignor to Good Inventions Co., New York, N. Y., a Corporation of New York. Filed May 9, 1919. Serial No. 295,952. 4 Claims. (Cl. 123—196.)



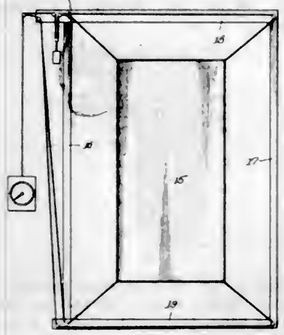
1. In an internal combustion engine, a water-jacket or water jackets surrounding the cylinder combustion space or spaces, a passage alongside the cylinder or cylinders between the water-jacket and the crank case, and means independent of the combustion in the engine for passing a heating medium through said passage.

1,460,669. BOILER-TUBE CLEANER. JOHN H. GOODFELLOW, Buffalo, N. Y. Filed Nov. 3, 1919. Serial No. 335,266. 5 Claims. (Cl. 122—390.)



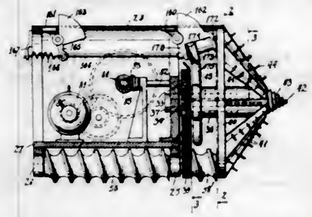
1. A boiler tube cleaner comprising a hollow body, spiral flanges arranged in spaced relation on the outer face of said body, and a nozzle arranged at the front end of said body and provided with a plurality of forwardly diverging jet openings for the passage of the cleaning medium therethrough, the outlet ends of said openings being flared and located in the sides of said nozzle and immediately in front of the spaces between said flanges.

1,460,670. GAME APPARATUS. NOAH S. HARTER, Waukegan, Ill., assignor of one-third to George F. Rummel and one-third to A. T. Weaver, both of Chicago, Ill. Filed May 18, 1921. Serial No. 470,569. 4 Claims. (Cl. 46—4.)



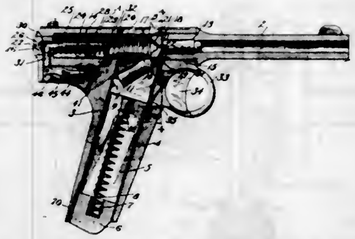
1. A device of the character described comprising a frame; an impact indicator; an inertia weight and a fabric target tensioned by the inertia weight and the indicator and supported on the frame.

1,460,671. EXCAVATING MACHINE. WILHELM HEBSACKER, Heilbronn, Germany. Original application filed June 17, 1920, Serial No. 389,780. Divided and this application filed May 17, 1921. Serial No. 470,313. 15 Claims. (Cl. 262—7.)



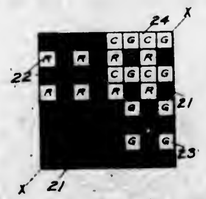
1. An excavating machine comprising a non-rotatable body, a rotary cutter head in front of said body, a propelling device projecting laterally from the body to engage the bore of the excavation and movable forward and rearward relatively to said body, and means for moving said device alternately in opposite directions.

1,460,672. AUTOMATIC PISTOL. JOSEPH H. HINES, Auburn, Calif. Filed Jan. 11, 1922. Serial No. 528,474. 10 Claims. (Cl. 42—3.)



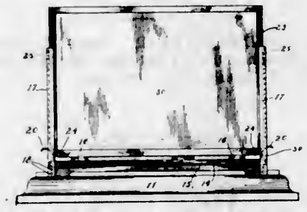
1. In a pistol of the character described a breech, a stationary barrel carried thereby, a chamber formed within the breech and in alignment with the barrel, a hollow breech block slidably mounted in said chamber, a firing pin in said chamber guided and slidable independently of the breech block, separate springs arranged interiorly of the breech block and exteriorly of the firing pin for actuating the said parts, and a stationary guide common to both springs.

1,460,673. METHOD OF COLOR PHOTOGRAPHY AND PHOTOGRAPHIC ELEMENTS. MARCUS C. HOPKINS, Rochester, N. Y., assignor to Eastman Kodak Company, Rochester, N. Y., a Corporation of New York. Filed May 6, 1916. Serial No. 95,967. 15 Claims. (Cl. 95—2.)



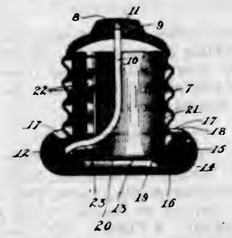
1. In a photographic element for use in color photography, the combination with a transiucid support of filter elements thereon, there being windows separating said filter elements, and light sensitive emulsion opposite said windows to receive light therethrough, each separated filter element being of one color throughout its entire area.

1,460,674. SIGN BOX. GEORGE B. HUTCHINGS, Richmond, Va. Filed Mar. 20, 1920, Serial No. 367,516. Renewed Nov. 21, 1922. 6 Claims. (Cl. 40—65.)



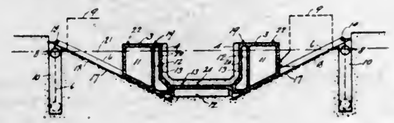
1. A display device comprising a casing, provided with lighting means and power means, a reciprocating support moved by the power means and an interchangeable unit carrying a screen member and a picture member capable of being moved one in relation to the other to give an animated action, said unit being adapted to be inserted into the casing upon the reciprocating member, which gives effective action to the moving member within the unit.

1,460,675. ELECTRIC FUSE PLUG. WILLIAM ILE, Lynbrook, N. Y., assignor to Hemco Electric Manufacturing Company, Inc., New York, N. Y., a Corporation of New York. Filed May 21, 1919. Serial No. 298,820. 3 Claims. (Cl. 200—130.)



1. In a fuse plug, a threaded metallic shell contact, an end contact, an insulating closure for one end of the shell molded in embedded relation to and insulating the shell and end contacts from each other and having a central perforation, a fuse wire within the shell in electrical connection with the shell and the end contact through the perforation in the insulating material, a transparent disk of insulating material to close the end of the shell opposite to the end contact, and an annular member having threaded connection with the end of the shell for clamping the transparent closure disk and arranged to serve as a fingerpiece to manipulate the plug.

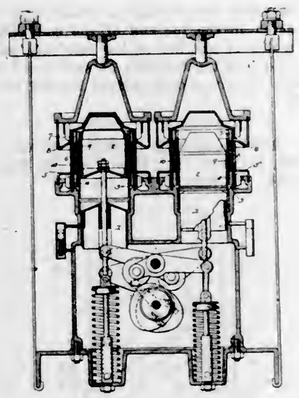
1,460,676. MOLD FOR MAKING SHIP HULLS AND LIKE FLOATABLE STRUCTURES. EDWARD A. LARSEN, Larkspur, Calif. Filed June 30, 1921, Serial No. 481,563. Renewed May 14, 1923. 10 Claims. (Cl. 25—130.)



2. A mold adapted to be brought successively into positions for molding and also for releasing the product of the mold by lowering or raising the water in which the mold is inundated and means for operating the mold in such manner and means for enclosing and controlling the water for raising or lowering the level of same to accomplish this purpose.

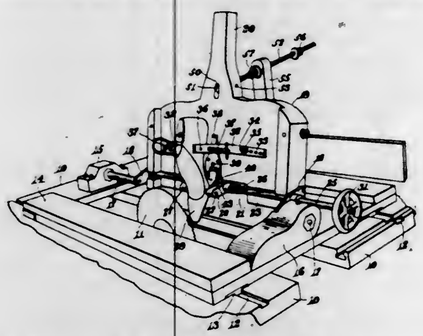
9. In the combination with a floatable submersible dry dock, a mold adapted to be assembled and disassembled by varying the water level relative to the keel of the mold and means to cause the mold to operate as the water level varies.

1,460,677. AIR-REFRIGERATING MACHINE. IVAR LUNDGAARD, Hartford, Conn., assignor to The Automatic Refrigerating Company, Hartford, Conn., a Corporation of New Jersey. Filed May 22, 1922. Serial No. 562,907. 7 Claims. (Cl. 62—136.)



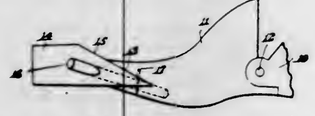
1. A closed cycle refrigerating system operating with gaseous mediating fluid, comprising in combination a plurality of heat absorbing and delivering units, arranged successively in the path of the mediating gas and in non-conductive relation to each other, means for insulating said units from the outside environment, and means for causing the mediating gas to move past said units in succession.

1,460,678. MACHINE FOR SAWING LASTS. THEODORE W. MCNICHOL, Swampscott, Mass. Filed July 26, 1920. Serial No. 398,935. 12 Claims. (Cl. 143—59.)



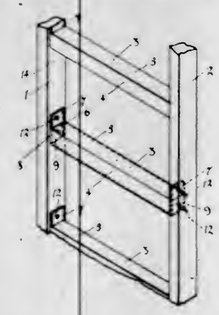
1. The combination with a circular saw and rotating means therefor; a work support comprising a slidable frame movable in a path parallel with the sides of said saw and having an opening through which the upper part of the saw extends; a pivoted last-clamping member movable with said carriage and adjustable to present different parts of the last to said saw in different movements of the clamping means toward said saw; a means carried by said member adapted to bear against the bottom of the last whereby the last may be adjusted to various horizontal and vertical angles.

1,460,679. LAST AND METHOD OF MAKING SAME. THEODORE W. MCNICHOL, Swampscott, Mass. Filed July 26, 1920. Serial No. 398,936. 6 Claims. (Cl. 12—133.)



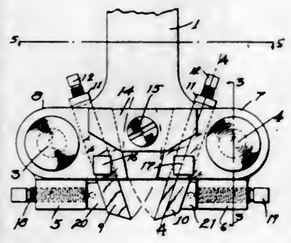
1. A remodelled last having a transversely extending V-shaped notch in the toe end of the body thereof, the vertex of which is parallel to the sole face and perpendicular to the longitudinal axis of said last; and a toe piece secured therein and projecting beyond the walls of said notch.

1,460,680. REPLACEABLE LADDER RUNG. FRANCIS T. PETERS, Decatur, Ill. Filed Jan. 30, 1922. Serial No. 532,544. 1 Claim. (Cl. 228—58.)



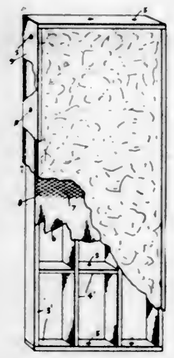
A device of the character described comprising an angle iron having laterally bent portions of its two respective sides at each end thereof, the laterally bent portions of the two respective ends being disposed in a single plane transverse to the body portion of the angle iron, the laterally bent portions at one side being bent away from said angle iron and the laterally bent portions of the other side being bent to provide a web between the sides of the angle iron, each of said bent portions being provided with an opening therethrough to receive a wood screw or the like.

1,460,681. PLANER-TOOL HOLDER. OSCAR J. SARLANDT, San Francisco, Calif. Filed Jan. 24, 1921. Serial No. 439,383. 5 Claims. (Cl. 90—53.)



1. A tool holder for planers and shapers comprising a a shank, a pair of tool holders pivotally mounted thereon, oppositely projecting lugs for supporting said tool holders, tools carried by each tool holder between the pivots of the two tool holders, and means to prevent each tool holder from twisting laterally.

1,460,682. BUILDING SLAB. JOHN C. SCHLEICHER, Mount Vernon, N. Y. Filed Sept. 13, 1919. Serial No. 323,560. 3 Claims. (Cl. 72—40.)

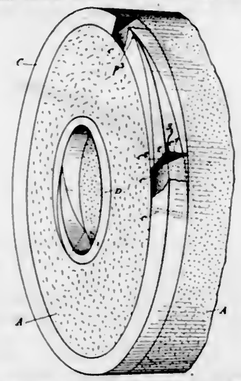


1. A slab of the class described comprising an interior framework providing air spaces, an outer framework extending slightly beyond said interior framework, and a filling on each side of said framework and between the same forming cement faces.

1,460,683. PLASTIC OBTURATOR FOR GUN BREECHES. EUGENE SCHNEIDER, Paris, France, assignor to Schneider & Cie., Paris, France, a Limited Joint-Stock Company of France. Filed June 9, 1921. Serial No. 476,301. 8 Claims. (Cl. 89—26.)

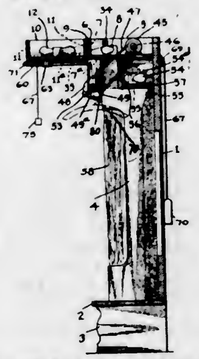
7. An obturator comprising a plastic pad and diagonally split rings triangular in cross section the base

sides of which bear against opposed edge portions of said pad, the inner end of each ring terminating in a



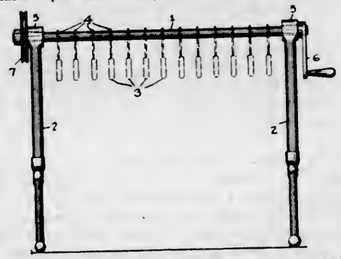
straight edge contacting with the pad and disposed substantially at right angles to the edges of the hypotenuse side.

1,460,684. DISPLAY FIXTURE. DAVID J. SEAMAN, Saginaw, Mich. Filed Oct. 5, 1921. Serial No. 505,607. 31 Claims. (Cl. 211—16.)



2. A garment display fixture having a back, and a top, a transverse rod supported beneath the top in position to receive garment hangers at right angles to the back, and curtains to cover the open sides and front, said top comprising fixed and movable sections, the movable section being adapted to fold back on the fixed section or to extend forwardly therefrom at will, and lighting means carried by both sections.

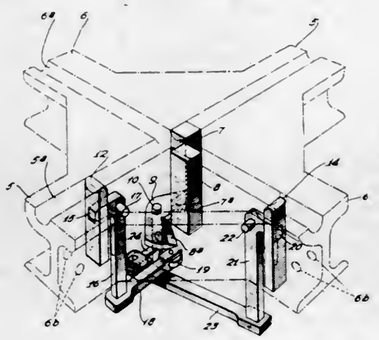
1,460,685. GARMENT RACK. DAVID J. SEAMAN, Saginaw, Mich. Filed Oct. 5, 1921. Serial No. 505,608. 6 Claims. (Cl. 211—14.)



2. A garment-rack comprising supports, a hanger-bar journaled to rotate therein, and means for rapidly rotating the bar about its axis.

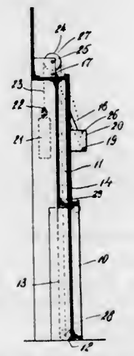
4. The method of spacing and shaping garments suspended by hangers from a common bar, which comprises rapidly rotating the bar about its axis.

1,460,686. RAIL CROSSING. MARTIN SVALLAND, New York, N. Y. Filed June 18, 1921. Serial No. 478,523. 9 Claims. (Cl. 246—273.)



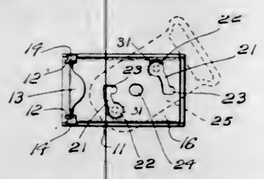
1. A rail crossover, embodying two intersecting rails, each of which is provided with a gap to permit the passage of the flange of a wheel on the other, a wheel supporting member for bridging each gap, a rotary operating member adapted to move one supporting member into supporting position and to simultaneously permit the retraction of the other supporting member, and controlling means associated with each rail for rotating the operating member, said operating member being constituted to remain in the position it is placed by the controlling means of one rail until it is positively rotated to another position by the controlling means of the other rail.

1,460,687. DOOR. CHARLES C. TOMKINSON, Plainfield, N. J., assignor to J. Edward Ogden, Mountainville, N. Y. Filed Mar. 22, 1922. Serial No. 545,636. 10 Claims. (Cl. 20—19.)



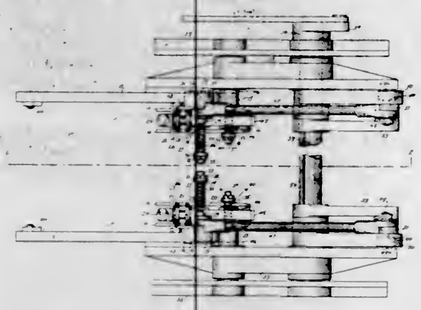
1. In combination, a door casing, a door having horizontally opposite parts arranged to move vertically, means for swinging the door inwardly as the vertically movable parts are raised, sheaves mounted substantially vertically above the door, and counter balancing means including cables extending over said sheaves and connected to said door in a plane offset from the plane of the door when the door is closed whereby the portions of the cables between the sheaves and door connection will be inclined to the vertical and said counterbalancing means will exert a horizontal force against the door to force the door against the door casing.

1,460,688. BELT BUCKLE. HARRY L. TOOKER, Taunton, Mass., assignor to Taunton Pearl Works, Incorporated, Taunton, Mass., a Corporation of Maine. Filed Feb. 1, 1922. Serial No. 533,294. 6 Claims. (Cl. 24—78.)



1. A belt buckle comprising a body member having spaced apart front and back plates, means for securing one end of the belt between said plates, said back plates being provided with a laterally-extending lock stud receiving opening enlarged at its outer end and extending longitudinally of the buckle at its inner end, a detachable member to which the opposite end of the belt is adapted to be secured, said member having a locking stud adapted to engage the opening in said back plate and be moved both laterally and longitudinally to locked position therein.

1,460,689. SHEET-FEEDING MECHANISM. CHARLES W. TREMPER, New Haven, Conn., assignor to The Fuller Mfg. Co., New Haven, Conn., a Corporation. Filed Aug. 17, 1922. Serial No. 582,373. 8 Claims. (Cl. 271—46.)



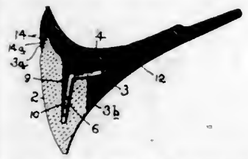
1. In a sheet-feeding mechanism, the combination with sheet-checking mechanism, including a slotted driving-arm, of means traveling in said slot, and links connected with said traveling means, the opposite end of one of the said links being relatively fixed and the other link connected with a sheet-checking mechanism.

1,460,690. CELLULOSE-ETHER COMPOSITION. WILLIAM R. WEBB, Rochester, N. Y., assignor to Eastman Kodak Company, Rochester, N. Y., a Corporation of New York. Filed Apr. 30, 1921. Serial No. 465,931. 14 Claims. (Cl. 106—40.)

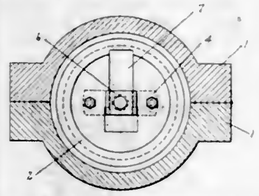
1. A composition of matter comprising cellulose ether and an aromatic side chain alcohol.

1,460,691. ARTIFICIAL TOOTH. JAMES LEON WILLIAMS, New York, N. Y., assignor to The Dentists' Supply Company, a Corporation of New York. Filed Jan. 29, 1920. Serial No. 354,978. 9 Claims. (Cl. 32—9.)

1. An artificial tooth and an anchor therefor adapted for use in dentures wherein the tooth has its upper part provided with a deep hole of greater width transversely than in a lingual-buccal direction, and said hole at the lingual side terminating in a rearwardly directed deep notch extending to the rear wall of the tooth, and in which the anchor has a vertical part of greater width than thickness extending down into the hole of the tooth and cemented therein and also provided with a rearwardly and upwardly projecting shank extending through and cemented in the deep notch of the tooth, and wherein further the side walls of the notch of the tooth are undercut for firmly holding the cement in which the rearwardly extending part of the anchor shank is embedded.

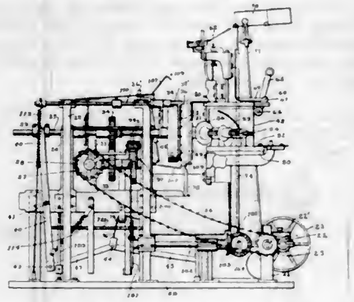


1,460,692. ADJUSTABLE CRANK PIN. ROBERT E. WINTERS, Coraopolis, Pa., assignor of one-half to Anthony C. Dean, Pittsburgh, Pa. Filed Apr. 22, 1921, Serial No. 463,547. Renewed Nov. 21, 1922. 9 Claims. (Cl. 74—38.)



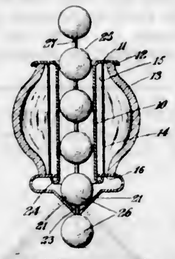
1. An adjustable crank pin comprising a driving shaft, a driven wheel, a reciprocable member, a pin adjustably mounted in said wheel and extending into a slot in said reciprocable member, a vane mounted on said driven shaft and arranged to creep outwardly thereon, means arranged to be operated by said vane to move the pin away from the center of said wheel, and resilient means exerting a force tending to move said pin toward the center of said wheel.

1,460,693. BOX-MAKING MACHINE. JOHN ALBRECHT, Kewaunee, Wis. Filed Feb. 20, 1922. Serial No. 538,075. 21 Claims. (Cl. 144—2.)



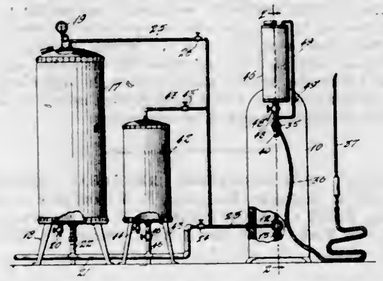
1. In a device of the class described the combination of means for holding a piece of box forming material; means for cutting a substantially circular box end from said material; means for positioning another piece of material in co-operative relation with said first piece while so held to form the side walls of a box; means for securing said pieces of material together; and means for moving said pieces of material to present successive portions thereof to said securing means.

1,460,694. LUMINOUS PENDANT. WILLIAM F. ARZINGER, Jersey City, N. J. Filed Aug. 5, 1921. Serial No. 489,996. 4 Claims. (Cl. 240—1.)



1. A pendant adapted for connection with a pull chain comprising a tubular member adapted to receive the pull chain, a tubular shell surrounding said tubular member, a carrying sheet having luminous material thereon, the carrying sheet being interposed between said tubular member and shell, and yieldable means for engaging one end of the pull chain for securing the pendant to the same.

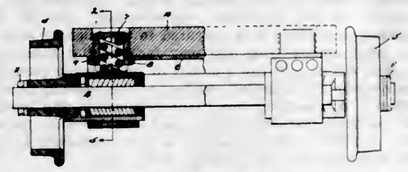
1,460,695. LUBRICATING, CLEANING, AND PAINTING APPARATUS. FRANK A. BANNON, Dallas, Tex., assignor, by direct and mesne assignments, of two-thirds to Ridgell Keller and one-third to W. A. Thornton, both of Dallas, Tex. Filed Dec. 2, 1921. Serial No. 519,567. 2 Claims. (Cl. 299—84.)



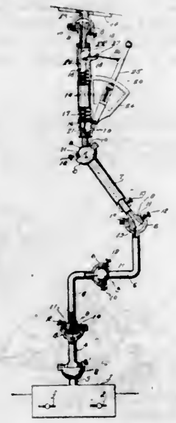
1. In a device of the type set forth, a fluid receptacle, a water service pipe, means to connect the bottom of the receptacle to the pipe so as to force fluid in the receptacle out of the top of the latter, a valved pipe connected to the top of the receptacle and to the water pipe to conduct the fluid into the water pipe, heating means connected to the water pipe, means to conduct fluid from the heating means, a valve in the water pipe to enable the supply of water to the heating means to be cut-off and to allow fluid from the receptacle to enter the heating means to be vaporized to the exclusion of the water, a second fluid receptacle connected at its bottom to the water service pipe, and a valved pipe connected to the top of the second receptacle and to the valved pipe of the first receptacle whereby upon closing of the valve of the valved pipe of the first receptacle and closing of the water pipe valve and opening of the valve of the valved pipe of the second receptacle fluid from the latter may enter the heating element to be vaporized to the exclusion of the water and of the fluid from the first receptacle.

1,460,696. MINE CAR. FRANK S. BARKS, St. Louis, Mo., assignor to Lincoln Steel and Forge Company, St. Louis, Mo., a Corporation of Missouri. Filed Apr. 17, 1922. Serial No. 553,950. 4 Claims. (Cl. 295—42.)

4. In a mine car, spaced axles, journal boxes on said axles, flat bars extending lengthwise of the car at the sides of the latter and bent semi-cylindrically about each of said journal boxes, channel irons extending longitudinally of said axles with their flanges turned downwardly and secured to the bent portions of said bars.

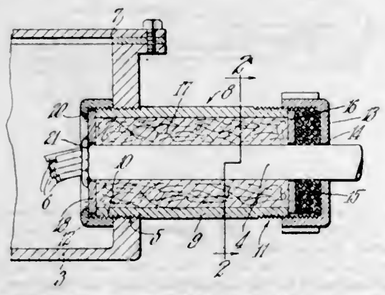


1,460,697. ADJUSTABLE BRACKET. ALFRED W. BENDLIN, Milwaukee, Wis. Filed Mar. 28, 1922. Serial No. 547,377. 1 Claim. (Cl. 45—82.)



An adjustable bracket comprising a base, a plurality of hollow arms arranged in series and connected to each other and to the base by universal joints, a quadrant and lever secured to one of the arms and flexible elements extending thru said arms and joints and connecting the lever to the respective ends of the bracket, said lever being adjustable on the quadrant to tension the flexible elements, whereby the joints are caused to bind and lock the bracket in any desired position.

1,460,698. DISTRIBUTING-BOX CONNECTION FOR ELECTRICAL CONDUCTORS. HERBERT H. BERRY, Springfield, Mass. Filed Sept. 23, 1922. Serial No. 590,183. 5 Claims. (Cl. 247—18.)



1. A device for connecting an electrical conductor with a distributing box or the like, comprising a bushing

adapted to loosely surround the conductor and to be removably secured at one end to the box, closures for the opposite ends of the bushing having apertures for the passage of the conductor therethrough, one of said closures comprising a cap secured to the bushing with its end wall spaced from the end face of the bushing, a washer within said cap adapted to encircle the conductor and overlap the adjacent end face of the bushing, packing material surrounding the conductor within the bushing and packing material within said cap between its end wall and the washer adapted to be compressed to grip the conductor by the turning of the cap.

1,460,699. PIGMENT AND PAINT. HENRY SPENCER BLACKMORE, Mount Vernon, N. Y.; ISABELLE BLACKMORE and STEPHEN L. TINGLEY administrators of said Henry Spencer Blackmore, deceased. Filed May 20, 1918. Serial No. 235,459. 11 Claims. (Cl. 134—58.)

8. The process of making a paint pigment, which comprises performing a reaction between a water soluble metal aluminate and a water soluble metal sulphate, the product of which will comprise a water-insoluble aluminate mixed with a water-insoluble sulphate.

1,460,700. COMBINED PICTURE BOOK AND PUZZLE. ELIZA BUFFINGTON, Madison, N. J. Filed Apr. 15, 1922. Serial No. 552,837. 5 Claims. (Cl. 40—41.)



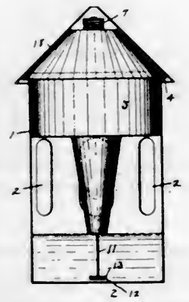
1. A puzzle device comprising a figurine or figurines in the round in statuette form and consisting in separable sections, said sections having contacting faces fitting together, said sections further having their outer surfaces merging inconspicuously into each other when assembled, thereby forming the complete statuette.

1,460,701. DIRECTION INDICATOR. ADOLF BUTTER, Clifton, N. Y. Filed July 20, 1922. Serial No. 576,353. 2 Claims. (Cl. 177—329.)



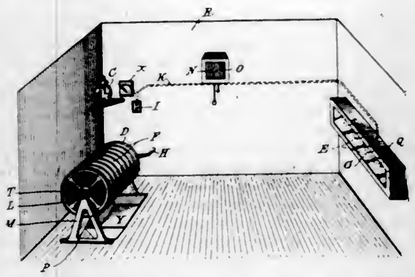
1. An automobile signal of the class described comprising a plurality of shell members having external and internal flanges formed at their ends and adapted to telescope one within the other, the largest shell being adapted to be anchored to the automobile-body, the smallest shell having a casing and a pair of convex lenses and a filament lamp secured thereto, a plurality of telescoping tube members secured to the largest and smallest shell member and adapted to telescope in unison with the shell members, an expansion coil spring retained in the chamber formed by the shell and tube members and adapted to yieldably keep the shells in extended position, means for releasably telescoping the shells one within the other, and means for energizing the filament lamp.

1,460,702. POULTRY FOUNTAIN. SAMUEL P. CALTRIDER and PETER P. SAUBLE, Westminster, Md. Filed Feb. 28, 1922. Serial No. 540,001. 2 Claims. (Cl. 119—77.)



1. A poultry fountain comprising an outer receptacle having a number of openings in its side wall, a removable fountain within said outer receptacle and having an intake opening in its upper end and a discharge opening in its lower end, a cap to close the intake opening, means connected with said cap to close the discharge opening of said fountain, arms projecting from the upper edge of the outer receptacle, and a hood resting upon said arms and above the inner and outer receptacles.

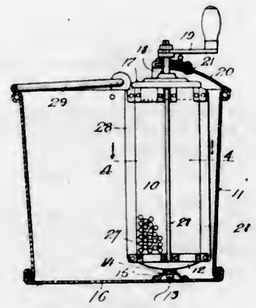
1,460,703. PHOTOGRAPHIC REVERSAL PROCESS. JOHN G. CAPSTAFF, Rochester, N. Y., assignor to Eastman Kodak Company, Rochester, N. Y., a Corporation of New York. Filed Mar. 2, 1921. Serial No. 449,249. 27 Claims. (Cl. 95—5.)



1. In a process of making photographic images by reversal from a photographic light sensitive element, containing an image, the steps of submitting the element to a printing light controlled in accordance with the printing value of the element, and then developing an image in said element.

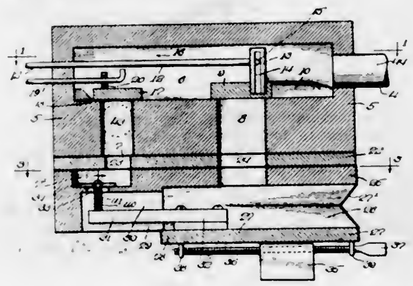
1,460,704. SOAP DISSOLVER AND AGITATOR. ARTHUR CELLER, Brooklyn, N. Y. Filed June 17, 1922. Serial No. 568,987. 7 Claims. (Cl. 259—50.)

1. In a soap dissolver and agitator, a liquid receptacle, an anchor device on the bottom thereof, a hood extending partly over the top thereof, said anchor device and hood being placed off center, and a soap container held in



said anchor device and said hood and means to rotate said soap container to charge the liquid in said receptacle with dissolved soap to any desired degree.

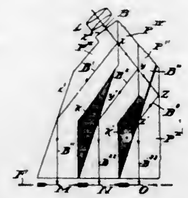
1,460,705. SPEED GOVERNOR FOR PNEUMATIC MOTORS. WILLIAM C. COLLIGNON, Chicago, Ill. Filed Feb. 14, 1921. Serial No. 444,686. 1 Claim. (Cl. 230—36.)



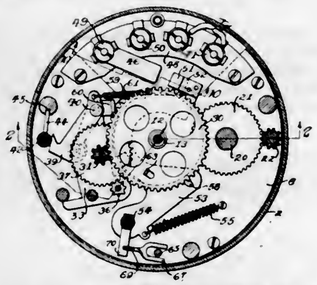
A device of the character described comprising a casing providing an elongated, horizontal air chamber of which a bellows chamber forms an aligning part, and two parallel vertical air passageways normally connecting said elongated horizontal air chambers; manual valves controlling said vertical passageways; in combination with a bellows enclosing a chamber constituting one part of one of said horizontal air chambers; a lever extending into the other aligning part of said air chamber and secured to the motive part of said bellows; a poppet valve operable thereby for controlling one of said vertical air passageways whereby said lever lifts said valve when the bellows is extended and closes the valve when it is collapsed and a weight adjustable longitudinally of the movable part of the bellows structure.

1,460,706. PRODUCTION OF COMPLEMENTAL IMAGES. DANIEL F. COMSTOCK, Cambridge, Mass., assignor to Kalmus, Comstock & Wescott, Inc., Boston, Mass., a Corporation of Massachusetts. Filed Oct. 6, 1920. Serial No. 415,073. 26 Claims. (Cl. 88—1.)

1. In a photographic apparatus, a plural image forming optical train, embodying a single objective for the incident rays, and a reflecting prism unit having a single plane incident ray receiving face and proximate emergent ray faces in a single plane at an angle to the plane of the incident ray receiving face, other faces of the prisms forming a light dividing reflector in the path of the incident rays, a single total reflector in the path of the rays of one division and two reflectors in the path of the rays of another division, said reflectors being arranged at angles to bring the emergent rays of both divisions into parallelism to form two images in the same plane and in proximity to each other.



1,460,707. TIMING APPARATUS. CHARLES M. CROOK, Chicago, Ill. Filed Oct. 2, 1919. Serial No. 327,980. 17 Claims. (Cl. 200—39.)



5. In a device of the character described, the combination with a rotatable shaft, of a tripping means operated when said shaft has made a predetermined movement of rotation, a motor having a rotating armature, a movable member having a driving gear for said shaft connected with said armature, and means for moving said member to disconnect said driving gear from the shaft.

1,460,708. PROCESS OF MANUFACTURING DIAZODINITROPHENOL. WILLIAM M. DEHN, Seattle, Wash. Filed Dec. 9, 1919. Serial No. 343,592. 15 Claims. (Cl. 260—69.)

4. The process of making diazodinitrophenol, which comprises reacting on ammonium picramate with nitric acid of substantially the highest concentration in the presence of alcohol as a reducing agent for nitric acid, and covering the reacting materials with a layer of neutral oil to prevent combustion and explosion.

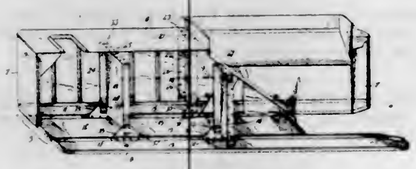
1,460,709. AUTOMOBILE SIGNAL. JOHN F. WILLIAM DIEGEL, Manitowoc, Wis. Filed Aug. 7, 1922. Serial No. 580,251. 1 Claim. (Cl. 116—45.)



The combination of a reflectoor, a lamp therein, a glass plate carried by said reflector, a cover normally overlying said glass plate and pivoted to the lower end of said re-

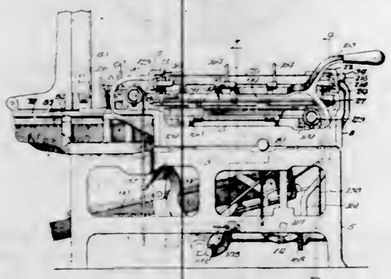
flector, said plate having a visible symbol exhibited on its upper portion, and words of warning below said symbol, and an arm rigid with said cover actuable to rotate said cover, whereby said cover may be moved outwardly slightly to permit the upward emission of light, and further outward to exhibit said visible symbol and still further to reveal said words of warning.

1,460,710. TENDER TANK. CHARLES DUCAS, New York, N. Y., assignor to Charles Ducas, Alexander W. Whiteford, and David Walter Pye, trustees, all of New York, N. Y. Filed Jan. 6, 1922. Serial No. 527,377. 8 Claims. (Cl. 105—236.)



1. A locomotive tender tank construction comprising a tank having top and sides, and also a bottom plate with an upstanding flange in combination with a gusset plate secured to said flange, and a dash plate secured to said gusset plate and to the top of the tank.

1,460,711. PRINTING AND ADDRESSING MACHINE. JOSEPH S. DUNCAN, Chicago, Ill. Filed Oct. 2, 1916. Serial No. 123,233. 76 Claims. (Cl. 101—56.)



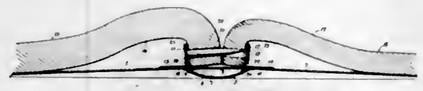
28. In a printing machine, the combination of a frame, a platen carriage movable across said frame, a feed table and means on said carriage to pick up a sheet of paper from said table including a ledge fixedly connected and held from movement relative to said carriage and fingers cooperating with said ledge, and means for lifting said fingers as said carriage approaches said table.

73. In a printing machine, the combination of a frame, a printing form, an inking ribbon, and means whereby said ribbon may be slidably moved to one side of the printing form to uncover and expose the latter.

75. In a printing machine of the class described, the combination of a form of type and a roller platen mounted to reciprocate transversely across the form of type in the general direction of the lines of type with the axis of the platen at slightly less than a right angle to the lines of type.

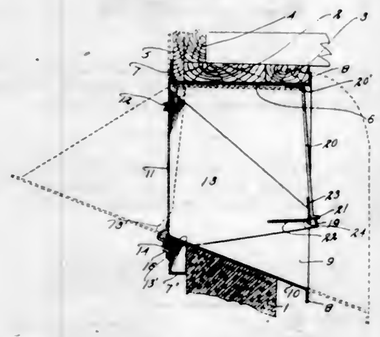
1,460,712. LOOSE-LEAF BINDER. HOWARD A. DUDLEY, Hagerstown, Md. Filed Nov. 30, 1921. Serial No. 518,954. 8 Claims. (Cl. 129—8.)

1. A loose-leaf binder comprising front and rear cover portions provided with spaced hinged flaps, each flap being apertured, a core of leaves inserted between said flaps and provided with cylindrical apertures in alignment with



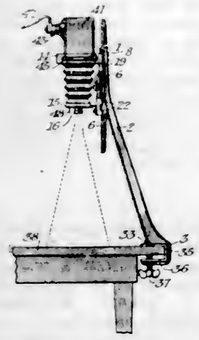
the apertures in said flaps, and pins inserted through opposite sides, one through each of said flap apertures and its aligned core aperture.

1,460,713. FUEL CHUTE. JOHN L. FALK, Spokane, Wash. Filed Mar. 19, 1921. Serial No. 453,626. 3 Claims. (Cl. 193—34.)



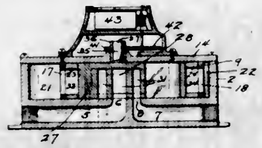
1. The combination with a chute, hinge straps co-acting therewith to form upper recesses and lower sockets, and a hopper, of a hinge bar on the lower edge of said hopper, said bar having angular ends adapted to swing in said recesses but adapted to be fixed in said sockets, whereby the hopper may be lifted from locked engagement of the hinge bar in said sockets, and said hopper tilted outwardly and downwardly with said ends in said recesses.

1,460,714. ENLARGING CAMERA. EDWIN C. FRITTS, Urbana, Ill., assignor to Eastman Kodak Company, Rochester, N. Y., a Corporation of New York. Filed May 12, 1921. Serial No. 469,077. 23 Claims. (Cl. 88—24.)



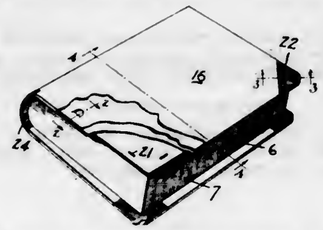
1. Photographic apparatus comprising a rigid support having a fixed cam surface, two camera parts slidable on said support, and a member pivotally connected to one holder and having a slidable relation with the cam and an operative relation with the other holder.

1,460,715. LIQUID METER. ALBERT J. GRANBERG, San Francisco, Calif., assignor to The Granberg Meter Company, San Francisco, Calif., a Corporation of California. Filed Apr. 14, 1919. Serial No. 289,962. 20 Claims. (Cl. 73—37.)



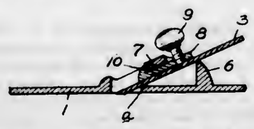
1. A liquid meter comprising a casing having inlet and outlet ports, a reciprocating frame in the casing adapted to be reciprocated by the passage of liquid, a meter head adapted to be rotated about an axis eccentric to its axis of figure, operatively connected with said frame so that reciprocation of said frame causes rotation of said head about said eccentric axis and means for varying the distance between the axis of rotation and the axis of figure.

1,460,716. BOOK-FORM SAVINGS BANK. BUTLER F. GREER, San Francisco, Calif. Filed Apr. 13, 1921. Serial No. 461,154. 7 Claims. (Cl. 232—4.)



1. A book form savings bank comprising a case simulating the proportions of a book, and an envelope covering simulating the binding of the book detachably interlocked with said case.

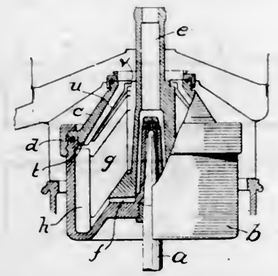
1,460,717. COOPER'S SUN PLANE. CHARLES H. GROTH, Rochester, Pa. Filed Jan. 14, 1922. Serial No. 529,182. 1 Claim. (Cl. 147—24.)



A cooper's sun plane including a plate-like body, a bit, an orifice for the bit, a bridge arranged rearward of the orifice, a block arranged rearward of the bridge, a shouldered pressure plate adapted to extend beneath the bridge and by its shoulder to engage the forward edge of the bridge, and a screw extensible from said pressure plate, said pressure plate and screw adapted to engage at intermediate points and from above the bit introduced and resting terminally upon the rim of the orifice and the block, substantially as described.

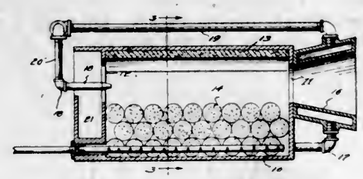
1,460,718. PROCESS OF PURIFYING AND DEHYDRATING SWITCH OIL. CYRUS HOWARD HAPGOOD, Nutley, N. J., assignor to The De Laval Separator Company, New York, N. Y., a Corporation of New Jersey. Filed May 3, 1921. Serial No. 466,496. 4 Claims. (Cl. 196—26.)

1. The process of purifying and dehydrating oil containing carbon and water, such as switch oil, which comprises forming a mixture of the oil with soap, subjecting the mixture to centrifugal force to eliminate the



carbon, dirt, soap and a large part of the water and subjecting the thus partially purified but imperfectly dehydrated oil to centrifugal dehydration.

1,460,719. FUEL-OIL BURNER. WILLIAM M. HOFFMAN, Buffalo, N. Y., assignor, by mesne assignments, to Oil Fuel Engineering Corporation, a Corporation of New York. Filed Mar. 13, 1922. Serial No. 543,182. 7 Claims. (Cl. 158—92.)

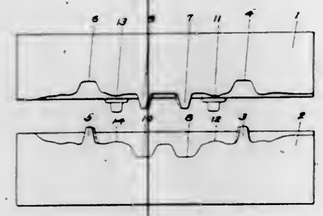


6. In a fuel oil burner, a combustion chamber consisting of a hollow metal casing, the interior of which is lined with a porous refractory material and the bottom of which is covered with loosely associated porous refractory balls in communicating contact with the porous refractory lining of the casing, said casing provided with an outlet for the discharge of products of combustion, and a jacketed discharge mouth extending outwardly from such outlet, a nozzle so disposed as to project a jet into and through said combustion chamber toward the outlet therefrom, vapor communicating means leading from said jacketed discharge mouth to said nozzle, and fuel communicating means leading to the lower portion of said casing.

1,460,720. MEANS AND DIES FOR DROP-FORGING CRANK SHAFTS AND PROCESS OF FORMING CRANK SHAFTS. HARRY H. KEEPORTS, Detroit, Mich. Filed Sept. 5, 1919. Serial No. 321,933. 11 Claims. (Cl. 29—6.)

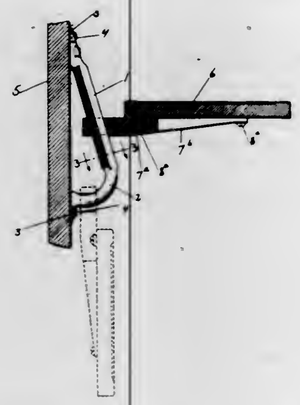
1. The process of forming and drop forging a six-throw crank shaft with end and central bearing parts consisting in first deflecting in vertical planes and forming the first and sixth crank throws by upward deflection, and simultaneously the third and fourth crank throws by downward deflection of the metal and rough forming the bearing pins and arms of second and fifth crank throws, then turning the partially formed bar so that the first and sixth, and third and fourth crank throws are in a horizontal plane, and thereafter simultaneously deflecting the shaft to form the second and fifth crank pins and arms to their proper position and simultaneously bending the first and sixth crank throws to deflect them relatively upward thirty degrees to a point sixty degrees to one side of the vertical and the

third and fourth crank throws relatively upward thirty degrees to a point sixty degrees to the opposite side of the vertical, as specified.



6. Dies for the forming of a crank shaft comprising depressions and projections with obliquely arranged surfaces for deflecting the first and sixth crank throws in one direction and the third and fourth crank throws in an opposite direction in the same plane, and a finishing die conformed to the form of the shaft and arranged to deflect the second and fifth crank pins, throws and arms to their proper position and force all crank arms and pins, as specified.

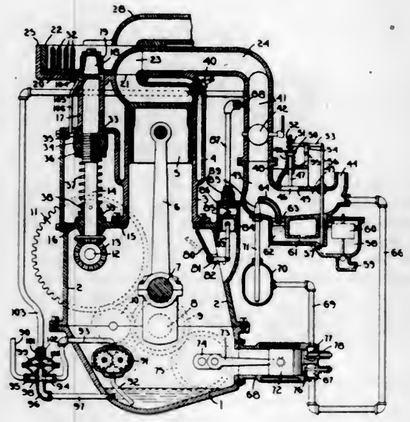
1,460,721. ADJUSTABLE SEAT. WILLIAM COATES LISTER, Toronto, Ontario, Canada. Filed Apr. 7, 1922, Serial No. 550,479. Renewed May 11, 1923. 1 Claim. (Cl. 155—81.)



An adjustable seat comprising a seat element, a forked supporting arm therefor projecting beyond the seat element formed with a through-aperture at approximately right angles to its plane and a supporting bracket consisting of a stanchion loosely inserted through said aperture and binding against its diagonally opposite edges for supporting the seat element when extended at an angle to the stanchion, and a curved base member for holding the seat element suspended when moved out of engagement with the stanchion.

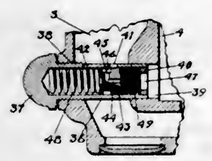
1,460,722. INTERNAL-COMBUSTION ENGINE. RALPH M. LOVEJOY, Meredith, N. H. Filed Nov. 14, 1916. Serial No. 131,335. 15 Claims. (Cl. 123—75.)

1. In combination with an internal combustion engine having a combustion chamber, an intake conduit leading to said combustion chamber and having an air intake port; means for supplying liquid fuel to said



conduit and means for vaporizing said liquid fuel by air taken from said conduit and caused to impinge at high velocity upon the liquid fuel within said conduit.

1,460,723. SHOCK ABSORBER. RALPH M. LOVEJOY, Meredith, N. H. Filed Nov. 17, 1921. Serial No. 515,801. 10 Claims. (Cl. 188—100.)

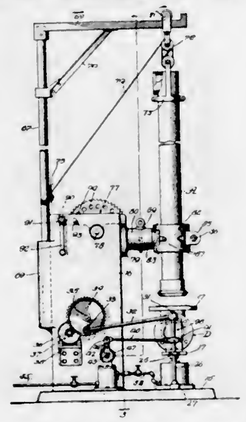


1. A shock absorber for cushioning the movement of two relatively movable members comprising a casing adapted to be secured to one of said members presenting a reservoir, a cylinder, a piston reciprocable in the cylinder and means for causing said piston to act upon the other relatively movable member, a tubular conduit communicating with said cylinder and reservoir having a port, valve mechanism mounted in said tubular member in co-operative relation to said port, oppositely disposed light and heavy springs controlling the movement of said valve mechanism acting normally to provide a small opening of said port when controlled by the light spring to cushion slight movements of the piston produced by slight shocks and acting to produce a greater opening of said port when controlled by said heavy spring to cushion the more extended movements of said piston caused by heavier shocks.

1,460,724. GRINDING MACHINE. JOHN THOS. MCGRATH, Bloomington, Ill. Filed Jan. 15, 1921. Serial No. 437,541. 22 Claims. (Cl. 51—55.)

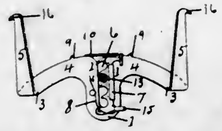
1. A grinding machine for the purpose set forth comprising a table capable of horizontal rotative oscillation and adapted to support a grinding element, means to support the work in line with the grinding element,

freely tiltable supporting means for said table at the axis of oscillation thereof, means to lift the table to



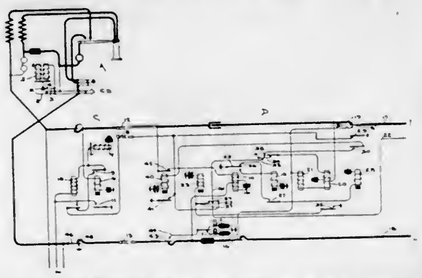
bring the grinding element into operative relation to the work, and means for imparting to and fro oscillatory grinding movement to said table in a horizontal plane.

1,460,725. NECKTIE HOLDER. PETER L. MARKEY, Chicago, Ill. Filed Apr. 17, 1922. Serial No. 554,212. 6 Claims. (Cl. 24—59.)



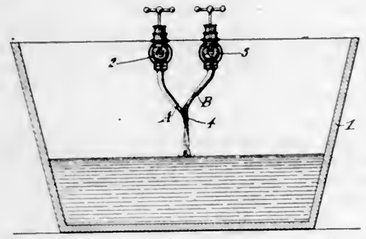
1. In a necktie holder, a base, curved arms extending laterally from said base, oppositely disposed prongs connected to said arms, means for detachably securing a tie to said prongs and means for adjustably securing said necktie holder on a collar.

1,460,726. MEASURED-SERVICE TELEPHONE SYSTEM. TALBOT G. MARTIN, Chicago, Ill., assignor to Automatic Electric Company, Chicago, Ill., a Corporation of Illinois. Filed June 14, 1919. Serial No. 304,184. 32 Claims. (Cl. 179—6.3.)



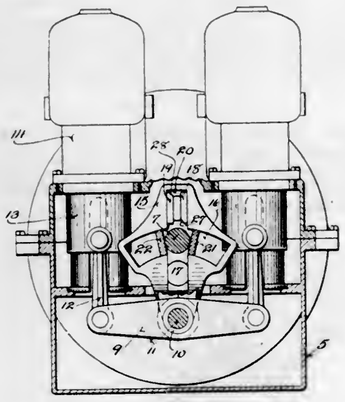
1. In a telephone system, a line, a calling device for said line, an impulse repeating device for said line responsive to impulses from said calling device, an automatic switch controlled by said repeating device to extend a connection to a called subscriber, a coin collector on said line, a relay in said repeating device controlled by the completion or noncompletion of the said connection for determining whether the coin is to be collected or refunded, and another relay in said repeating device for operating the coin collector in the manner determined when the release of the connection is initiated.

1,460,727. FAUCET. HUGO MOCK, New York, N. Y. Filed Apr. 20, 1922. Serial No. 555,741. 4 Claims. (Cl. 277—57.)



1. The combination of a basin, independent hot and cold water faucets placed at the upper rim of the basin adjacent each other, the outlets of said faucets being on different horizontal planes, and shaped and positioned relative to each other so as to deliver a single stream of water into the bottom of said basin when both faucets are open.

1,460,728. INTERNAL-COMBUSTION ENGINE. EDWARD E. NELDNER, Milwaukee, Wis. Filed July 15, 1922. Serial No. 575,360. 4 Claims. (Cl. 74—14.)

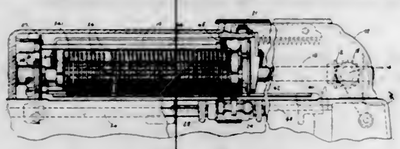


1. In a device of the character described, a rotatable shaft having a drive member secured thereto, a wrist pin carried by the drive member, a walking beam mounted on an axis parallel to said shaft and having a yoke provided with an arcuate slot in which said shaft rides when the walking beam is oscillated, and a radial slot in which said wrist pin is guided about the shaft, and a pair of pistons operable to oscillate said beam.

1,460,729. CHECK WRITER. WALTER B. PAYNE, Rochester, N. Y., assignor to Todd Protectograph Company, Inc., Rochester, N. Y. Filed Sept. 22, 1920. Serial No. 411,911. 14 Claims. (Cl. 197—6.2.)

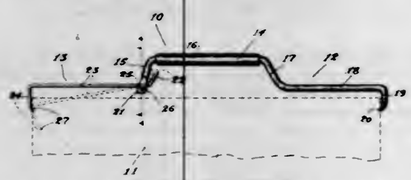
1. In a machine of the class described, the combination with a printing couple, of mechanism comprising a

prime mover for actuating the printing couple, devices comprising a pair of rotary elements, one above and one below the work, for breaking the work and feeding it to



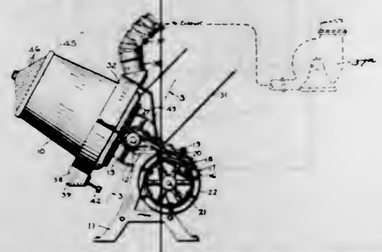
the printing couple, differential mechanism driven by the prime mover for differentially rotating one of said elements, and manipulative devices controlling the differential mechanism.

1,460,730. BOX TONGS. BYRON PHELPS, Seattle, Wash., assignor of one-half to Adolph L. Brand, Seattle, Wash. Filed Jan. 5, 1922. Serial No. 527,101. 1 Claim. (Cl. 294—62.)



Box tongs comprising a relatively rigid gripping member, a downwardly extending claw portion formed upon the outer end of said member, a hand hold formed upon said member adjacent the inner end thereof, a movable gripping member hingedly mounted at the inner end thereof, a downwardly extending claw portion formed upon the outer end of said last named member, means to retain said last named member upon said first named member, and means to limit the closing movement of said movable gripping member upon said rigid gripping member.

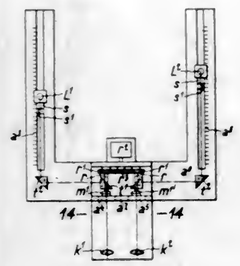
1,460,731. TUMBLING BARREL. GEORGE B. PICKOP, New Haven, Conn., assignor to The Malleable Iron Fittings Company, Branford, Conn., a Corporation of Connecticut. Filed Apr. 26, 1920. Serial No. 376,595. 12 Claims. (Cl. 51—164.)



1. In a tumbling barrel, a frame, a rotatably mounted drum supported thereon to tilt through a large angle, a source of exhaust, means affording communication between said drum and source of exhaust, and means for rotating said drum in various tilted positions.

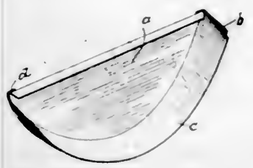
1,460,732. PHOTOMETRIC DEVICE. CARL PULFRICH, Jena, Germany, assignor to the Firm Carl Zeiss, Jena, Germany. Filed Mar. 1, 1922. Serial No. 540,300. 5 Claims. (Cl. 88—23.)

1. In a device for comparing the luminosities presented to both eyes of an observer two mark-systems, admitting of binocular observation and being movable relatively to each other in parallel planes, and a darkening device, ad-



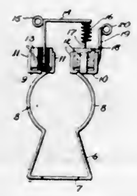
mitting of changing the luminosity presented at least to the one eye of the observer.

1,460,733. GUTTER END PIECE. THOMAS RIGBY, Philadelphia, Pa., assignor to Berger Bros. Company, Philadelphia, Pa., a Corporation of Pennsylvania. Filed May 25, 1922. Serial No. 563,626. 4 Claims. (Cl. 108—28.)



3. A gutter end having an end member, a flared flange extending therefrom, and a second flange extending from the end member within the first flange and substantially normal to the end member, said second flange being of greater depth than the first flange.

1,460,734. WIRELESS DETECTOR. WILLIAM HARRY RUF, Roselle Park, N. J. Filed Apr. 27, 1922. Serial No. 556,916. 12 Claims. (Cl. 250—31.)



1. A wireless detector comprising a frame provided with means for fitting it upon the human finger after the manner of a finger ring, and detector mechanism carried by said frame for the reception of wireless signals.

1,460,735. WELL-PIPE SCREEN. SPENCER H. ST. JOHN, Long Beach, Calif. Filed Dec. 21, 1921. Serial No. 524,004. 3 Claims. (Cl. 166—6.)



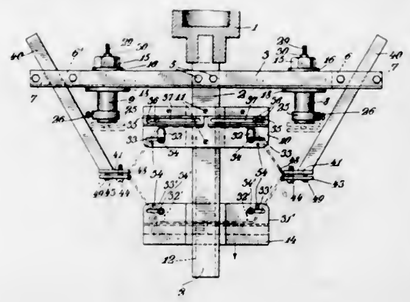
1. A screen for well-tubing provided with narrow slots, and bent transversely of the slots for seating in the tubing, the screen being flattened as inserted whereby the slots are spread on the inner side.

1,460,736. ENZYMIC SUBSTANCE AND PROCESS OF MAKING THE SAME. JOKICHI TAKAMINE, New York, N. Y., and JOKICHI TAKAMINE, Jr., Clifton, N. J. Filed July 30, 1921. Serial No. 488,692. 21 Claims. (Cl. 99—11.)

1. The process which consists in propagating a fungus upon a suitable culture medium, then extracting the soluble content of the culture medium having the fungus growth thereon, then adding a phenol to the extract.

16. As a new article of manufacture, a stable enzymic solution, which is clear and transparent, and free from decomposing or fermenting bacteria, of slightly nutty taste and musty odor, possessing strongly diastatic and other enzymic properties, gives no coloration when an alcoholic solution of gum guaiacol and hydrogen peroxide is added thereto, and contains a large amount of phosphate as a mineral constituent, a comparatively small amount of sugar and a fairly large amount of proteid organic matter, and a phenol.

1,460,737. DEVICE FOR MAKING ARMATURE COILS. GEORGE W. TOWNSEND, St. Albans, N. Y. Filed July 12, 1921. Serial No. 484,067. 10 Claims. (Cl. 140—92.2.)



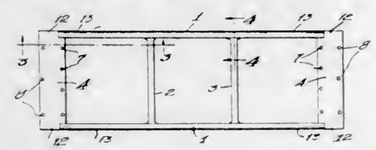
1. In an armature coil winding device, a rotatable member for winding a plane coil, and individual means for clamping and holding the ends of the plane coil after removing it from said rotatable member and preparatory to opening the coil.

1,460,738. CORRUGATED-METAL CAR END. WILLIAM E. VAN DORN, Chicago, Ill. Filed Nov. 19, 1920. Serial No. 425,040. 19 Claims. (Cl. 105—410.)



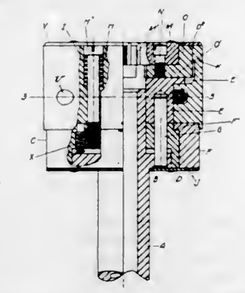
1. A flat metal sheet having therein elongated stiffening corrugations so shaped that the tops of the ridges and the bottoms of the valleys are bent lengthwise in a plane at right angles to the plane of the sheet.

1,460,739. VISOR FRAME FOR AUTOMOBILE WIND SHIELDS. WILLIAM C. WEISKE and HARLEY A. DORMAN, Detroit, Mich. Filed July 26, 1920. Serial No. 399,141. 3 Claims. (Cl. 296—95.)



1. In a visor frame for windshields, in combination with the windshield frame, a pair of side members in parallel relation, said members being formed of a sheet of metal folded upon itself to form a longitudinal tubular portion with the edges of the blank extending laterally therefrom in parallel spaced relation, the opening of one member facing that of the other, cross members extending from between the parallel portions of one side member into and between that of the other side member, an opaque covering for the frame, and a bracket fixedly attached to the covered frame concealing the cover ends, and means pivotally connecting the brackets to the windshield frame.

1,460,740. THREADING TOOL FOR AUTOMATIC MACHINES. HARRY T. WHITE, Highland Park, Mich. Filed Dec. 11, 1920. Serial No. 429,865. 16 Claims. (Cl 10—96.)

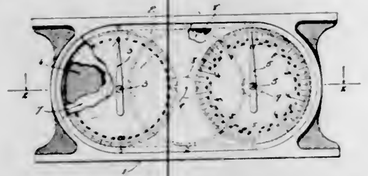


3. In a thread-cutting tool, the combination with a head and chasers radially adjustable in relation thereto, of a member rotatable upon said head for actuating said chasers radially, said head and rotatable member being constructed to form an annular recess therebetween with a tangential entrance port to said recess, a spring insertable into said recess through said tangential port, and a plug for closing said port and forming an abutment for said spring.

11. A thread-cutting tool comprising a shank, a head sleeved upon said shank and provided with radially extending guideways, chasers slidably secured in said guide-

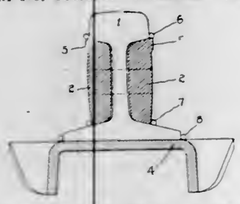
ways, a rotatable member surrounding said head and provided with cams for actuating said chasers in said guideways, a non-rotatable head sleeved on said shank adjacent to said first-mentioned head, a latch for locking said rotatable head in fixed relation to said non-rotatable head, resilient means for holding said heads in contact with each other, permitting the longitudinal adjustment of said rotatable head to disengage the latch therefrom, and means for cushioning the non-rotatable head upon said shank permitting a limited longitudinal movement thereof.

1,460,741. PLUMB AND LEVEL. HARRY W. YOUNG, Milwaukee, Wis., assignor of one-half to Walter Fischer, Milwaukee, Wis. Filed Dec. 21, 1920. Serial No. 432,209. 1 Claim. (Cl. 33—215.)



The combination of a base member having a closed wall and an open front, a plate closing said open front, an arbor journalled in said rear wall and said plate, a gear wheel rigid with said arbor, a pointer carried by said arbor exterior to said plate, a weight on said arbor for holding the pointer in a plumb line, a second arbor journalled in said rear wall and said plate, a pinion on said second arbor, and meshing with said gear wheel, a second gear wheel on said second arbor, a third arbor journalled in said rear wall and said plate, a third gear on said third arbor, meshing with said second gear wheel, a pointer on said third arbor exterior of said plate, said plate being marked circularly with gradations about said first mentioned arbor to give readings in degrees, and being marked with gradations about said third arbor to give readings in minutes.

1,460,742. SPLICE BAR FOR RAIL JOINTS. FRANKLIN E. ABBOTT, Buffalo, N. Y., assignor, by mesne assignments, to Bethlehem Steel Company, New York, Inc., a Corporation of New York. Filed Nov. 26, 1920. Serial No. 426,426. 5 Claims. (Cl. 238—164.)



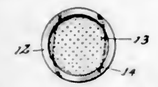
1. A splice-bar for rail joints of standard section formed with a shoulder extension projecting slightly beyond the lower edge of the rail head to provide support for a welding rod, said shoulder being of a size to provide normal clearance for the wheel flange.

1,460,743. HOLDER. EDWARD H. BINNS and RALPH H. BINNS, Pittsburgh, Pa. Filed Apr. 29, 1922. Serial No. 557,332. Renewed Mar. 15, 1923. 6 Claims. (Cl. 24—119.)



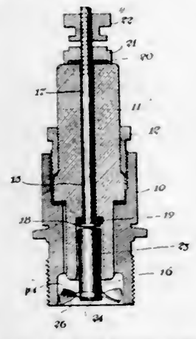
1. As an article of manufacture, a holder including a chambered receptacle, a flexible member attached to said receptacle, and means at the ends of said flexible member whereby the same may be detachably connected with a support affixed to the member with which the holder is to be associated.

1,460,744. METHOD OF TAKING PICTURES. IWER BOYSEN, New York, N. Y. Filed Mar. 15, 1921. Serial No. 452,519. 2 Claims. (Cl. 95—81.)



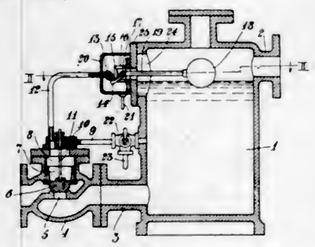
1. The herein described method of taking photographs which consists in interposing between the object and the lens, a transparent screen having upon its surface a field of very small semi-opaque dots.

1,460,745. SPARK PLUG. JAMES L. BROCKNEY and CHARLES E. GEORGE, Detroit, Mich. Filed Apr. 6, 1922. Serial No. 550,057. 2 Claims. (Cl. 123—169.)



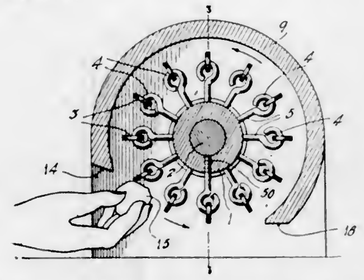
1. In a spark plug, a shell forming the outer electrode, a central electrode within the shell and insulated therefrom, a sleeve revolubly mounted on the lower end of the central electrode, and a propeller mounted on said sleeve, said propeller being freely revoluble with respect to the sleeve and having its blade ends spaced from the shell to form spark gaps.

1,460,746. STEAM TRAP. RAGNAR CARLSTEDT, Stockholm, Sweden, assignor to Aktiebolaget Arca Regulatorer, Stockholm, Sweden, a Company of Sweden. Filed Jan. 2, 1920. Serial No. 349,025. 3 Claims. (Cl. 137—103.)



1. In a steam trap, the combination of a vessel, a drain-valve from said vessel, a conduit for a flowing liquid under pressure, a member connected with said valve and inserted in said conduit so as to be actuated in one direction by the liquid in the same, an outflow opening on said conduit, a plate located in front of said outflow opening and movable towards and away from the same, and a float in said vessel connected with said plate in such manner as to impart motion to the same.

1,460,747. MACHINE FOR SHUCKING VEGETABLE IVORY NUTS. HENRY W. CROWELL, Glen Ridge, N. J. Filed Oct. 28, 1921. Serial No. 511,124. 15 Claims. (Cl. 146—14.)



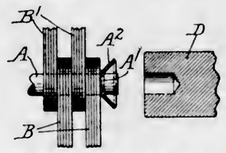
7. A rotary cutter including a revoluble body portion, a plurality of eyes secured in the periphery of said body portion, and washer-like cutting elements loosely mounted in said eyes.

1,460,748. MEANS FOR PREVENTING FOWL FROM ESCAPING. HUGO DORNSEIF, Bergerhof, Germany. Filed June 9, 1922. Serial No. 567,215. 5 Claims. (Cl. 119—97.)



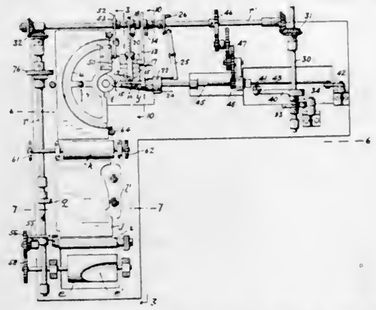
1. A fowl fetter comprising in combination, a two-legged sheet metal clamp, the legs being connected at one end, means for connecting and fixing the free ends of said legs and a row of serrations on the inner side of a leg, each adapted to hold a single quill.

1,460,749. PROCESS FOR SECURING WRIST PINS FOR CHAIN LINKS. RAYMOND W. DULL, Chicago, Ill., assignor to Link Belt Company, Chicago, Ill., a Corporation of Illinois. Filed Mar. 23, 1921. Serial No. 454,974. 2 Claims. (Cl. 59—8.)



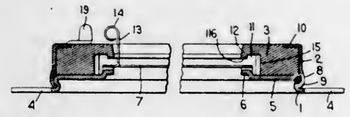
1. The process of securing chain links together, which consists in threading through such links a circumferentially channeled pin and placing a cupped washer thereabout with the central aperture of said washer in line with the channel, and in exerting force against the periphery of such washer to align it in the plane of such channel.

1,460,750. MACHINE FOR MAKING PAPER CONES. JOHN EPPLER, Philadelphia, Pa. Filed Aug. 4, 1921. Serial No. 489,669. 17 Claims. (Cl. 93—79.)



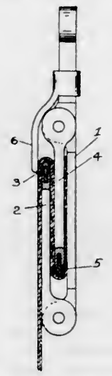
1. In a machine for making paper cones, a conically-shaped mandrel provided with a longitudinal slot relatively narrow toward the wide end of the mandrel and substantially wider toward its narrow end, the wider portion affording a ready means of entering the blank and the narrow portion enabling the mandrel to grip a narrow inserted edge of the blank preparatory to wrapping.

1,460,751. SPINNING RING. SUMNER FORBES, Brookline, Mass., assignor to Union Industrial Company, Boston, Mass., a Corporation of Maine. Filed June 8, 1921. Serial No. 476,071. 3 Claims. (Cl. 118—56.)



1. In a spinning ring, the combination with a shell, of a lining of self-lubricating material within the shell and provided with a traveller-receiving recess and an annular traveller, the outer wall of said recess being scalloped thereby to reduce friction on the traveller when the spinning ring is started up.

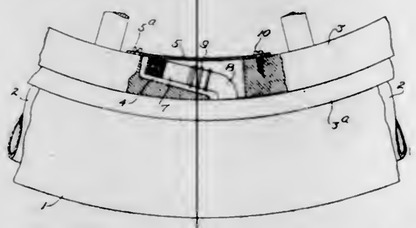
1,460,752. SUPPORTER. FREDERICK JAMES FULTON, Saginaw, Mich. Filed Sept. 6, 1921. Serial No 498,666. 2 Claims. (Cl. 24—251.)



1. In a garment supporter, a body, a leaf hinged to the lower part of said body, a second leaf pivoted to

said body above the point of attachment of said lower leaf, said leaves adapted when closed to overlap each other with the upper leaf between the lower leaf and the body and a fastening device adapted to releasably secure said leaves in closed position.

1,460,753. PNEUMATIC-TIRE WHEEL. PATRICK J. GRIFFIN, Dorchester, Mass. Filed Dec. 1, 1921. Serial No. 519,260. 4 Claims. (Cl. 152—13.)



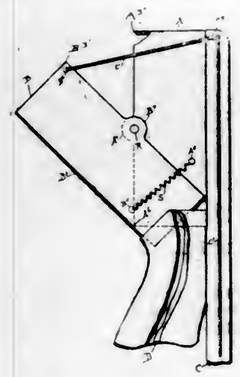
4. The combination with an inflatable tire-member having an air-valve flexibly combined therewith, and a wheel-felloe through which the said valve projects, having a chamber therein into which the valve may be turned down, a cover for said chamber pivotally connected to the wheel-felloe with capacity to be swung transversely into opened and closed positions respectively, said cover having an open slot in its swinging end, and a retainer pin on the wheel-felloe positioned to enter the said slot as the cover swings into closed position.

1,460,754. EXTENSION TABLE. JOSEPH HLOZEK, Cleveland, Ohio. Filed June 15, 1921. Serial No. 477,790. 2 Claims. (Cl. 45—113.)



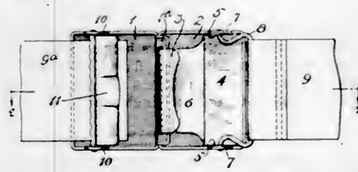
1. An extension table comprising a supporting frame, a table top carried thereby but having vertical and tilting movement, a tarnsverse member mounted upon the supporting frame at the middle thereof and upon which the middle of the table top normally rests, fixed upwardly inclined guides carried by the frame below said member, movable upwardly inclined slides slidingly engaging said guides and movable outward therefrom, a leaf hinged at its inner edge to said slides and hingedly supported with its inner edge in spaced relation to the upper edges of the slides, said leaf being normally disposed beneath the table top, a second set of upwardly inclined slides connected to the first named set of slides and having sliding engagement therewith, the outer end portions of said second set of slides being horizontal, a second leaf carried upon the horizontal outer end portions of said last named slides and movable into position beyond the first named leaf, the table top and the first named leaf dropping down into position behind the second named leaf and flush therewith, and means operatively carried by the second named leaf and projecting beyond the inner edge thereof whereby the first named leaf may be raised to permit the second named leaf to be slid beneath the first named leaf and means whereby the table top may be raised to permit the superimposed leaves to be shifted beneath the table top.

1,460,755. FRUIT PICKER. ROY A. HOWE and JOHN F. IRISH, Bantam, Conn. Filed Jan. 21, 1922. Serial No. 530,835. 1 Claim. (Cl. 56—834.)



In a fruit picker cutting head, the combination of a receptacle provided with two side walls; an outwardly projecting semicircular ear located at the middle of one edge of each of said side walls; a second receptacle provided with two side walls; an outwardly projecting semi-circular ear located at the middle of one edge of each of said side walls, the two ears on the first receptacle being adapted to lie adjacent the inner surfaces of the side walls of the second receptacle, and the two ears on the second receptacle being adapted to lie adjacent the outer surfaces of the side walls of the first receptacle; and a rivet concentrically located relative to the two adjacent ears on each side of the head, said rivets being adapted to hingedly connect the said receptacles.

1,460,756. BUCKLE. ERNEST N. HUMPHREY, New Britain, Conn., assignor to The Traut & Hine Mfg. Company, New Britain, Conn., a Corporation of Connecticut. Filed Sept. 1, 1922. Serial No. 585,608. 2 Claims. (Cl. 24—78.)



1. In a buckle of the character described, two sheet metal members, one of said members having an elongated slot forming a hook passage, a hook on the other member, a yielding barrier carried by the hook member, and means for attaching one end of a belt to the hook member, said yielding barrier carried by said hook member being held in place by said belt-attaching means, said barrier being formed of sheet metal and having perforated ears at opposite edges through which said belt-attaching means extend, means for attaching the other end of said belt to the slotted member.

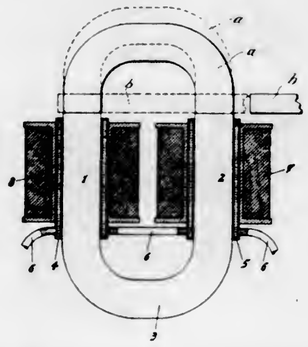
1,460,757. ADHESIVE. OTIS JOHNSON, San Diego, Calif. Filed Aug. 14, 1922. Serial No. 581,895. 7 Claims. (Cl. 87—17.)

3. An adhesive composition comprising the tacky substance of the soya bean, hydrated lime, and sodium fluoride.

1,460,758. PROCESS FOR DYEING SKINS, HAIRS, AND THE LIKE. OSKAR KALTWASSER and LEOPOLD KIRBERGER, Berlin and Berlin-Charlottenburg, Germany, assignors to Actien Gesellschaft für Anilin Fabrikation, Berlin, Germany. Filed Jan. 25, 1922. Serial No. 531,778. 2 Claims. (Cl. 8—5.)

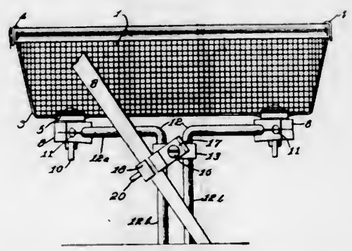
1. The herein-described process for dyeing furs, feathers, hairs and the like material, consisting in acting on the material to be dyed with a solution of 2.7-dioxynaphthalene in the presence of an oxidizing agent.

1,460,759. PROCESS FOR MAGNETIZING BODIES. EMIL KUHN-FREI, Zurich, Switzerland, assignor to Arnold Weinman, Zurich, Switzerland. Filed Nov. 20, 1919. Serial No. 339,309. 1 Claim. (Cl. 175—4.)



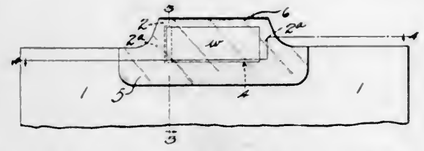
The herein described process of magnetizing bodies by means of an electro-magnet, consisting in reducing the temperature of the electro-magnet, placing the body to be magnetized with its poles on the poles of the electro-magnet, energizing the latter with a strong electric current for a sufficient period, then progressively decreasing the strength of the current, removing the poles of the body from those of the electro-magnet while the strength of the current is being decreased and simultaneously bridging the poles of the said body.

1,460,760. BASKET-SUPPORTING MEANS. JESSE E. MCGEE, Guntown, Miss. Filed Aug. 29, 1922. Serial No. 585,008. 3 Claims. (Cl. 224—29.)



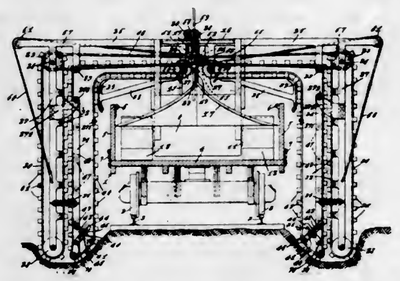
1. A basket supporting means comprising a pair of spaced basket engaging rods, a pair of basket engaging clamps connected with said rods, a pair of substantially L-shaped rods slidably adjustable in said clamps, and means associated therewith for securement to a support.

1,460,761. CARD-INDEX TAB. HAROLD CURTIS MCPIKE and FRED A. SCHMITZ, Youngstown, Ohio, assignors to The General Fireproofing Company, Youngstown, Ohio, a Corporation of Ohio. Filed Feb. 16, 1922. Serial No. 537,018. 1 Claim. (Cl. 129—16.8.)



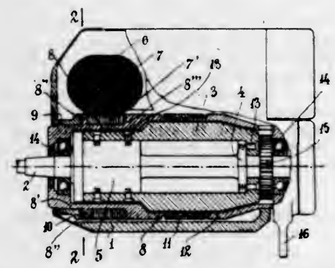
A tab for guide cards including a card body having a tab extension provided with a recess lying within the extension and also extending into the card body, a sheath of transparent material folded to embrace the tab projection so that the wings thereof cover opposite sides of the recess to provide a label-receiving compartment, and a vertical slot in one of the wings of the sheath located adjacent one of the vertical edges of the recess.

1,460,762. RAILROAD DITCHER. JEROME J. MILLER, Chadron, Nebr. Filed Nov. 21, 1922. Serial No. 602,445. 10 Claims. (Cl. 37—107.)



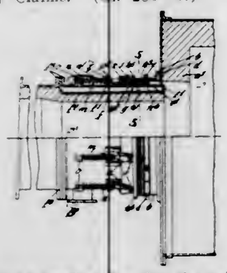
1. In a device of the class described, a car; a tractor movable along the car; depending digging conveyors carried by the tractor and located on opposite sides of the car, the conveyors discharging on the car; and a plow carried on one end of the tractor and adapted to traverse the car.

1,460,763. MAGNETO. GIUSEPPE NATOLI, Turin, Italy. Filed Feb. 7, 1922. Serial No. 534,741. 8 Claims. (Cl. 123—149.)



1. In a magneto, a continuous shaft, shaped to provide an integral flange and an enlarged portion; means for rotatably supporting said shaft, a magnet fastened on said shaft, to said flange and enlarged portion, and a core having a winding thereon, said core being fastened to said shaft supporting means and having shoes embracing the poles of said magnet.

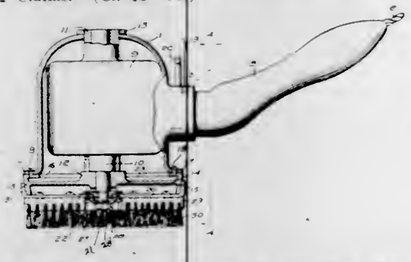
1,460,764. STUFFING BOX FOR ROTARY DRIERS, KILNS, CALCINING FURNACES, RETORTS, OR THE LIKE. HARALD NIELSEN, London, and BRYAN LAING, Hatfield, England. Filed Dec. 8, 1922. Serial No. 605,725. 7 Claims. (Cl. 286—7.)



1. A gas tight stuffing box for the relatively moving parts of a rotary heating apparatus comprising a multiplicity of resilient packing rings surrounding one of said relatively moving parts and spring controlled members resiliently maintaining one of said resilient packing rings in contact with the other of said relatively movable parts in such manner that said resilient gland rings are capable of rotary movement and longitudinal sliding movement relative to the other of said relatively moving parts.

3. A rotary heating apparatus having in combination, a stationary pipe, a sleeve surrounding said pipe and spaced radially therefrom, a series of rings on said sleeve, a rotary retort, resilient means on said pipe and contacting with the outer of said rings for maintaining the inner of said rings in contact with said retort.

1,460,765. ROTARY BRUSH. ALBERT L. NORRIS, Jacksonville, Fla. Filed May 9, 1921. Serial No. 467,988. 2 Claims. (Cl. 15—28.)



1. A rotary brush comprising a supporting plate, a motor mounted thereon, a motor shaft extending below said plate and provided with a reduced end, a supporting plate mounted on the reduced end of said shaft, said supporting plate being provided with an enlarged central portion, a base plate mounted on said supporting plate, said base plate being provided with an enlarged opening for the reception of the enlarged portion of the supporting plate, bristles secured to said base plate, and a cap mounted on the end of said shaft and secured to said base plate and said supporting plate.

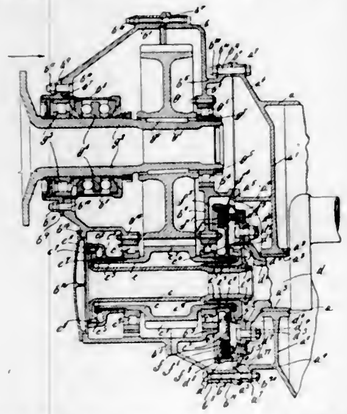
1,460,766. RECOVERING ZIRCONIUM OXIDE. MALCOLM N. RICH, Cleveland, Ohio. Filed Sept. 8, 1919, Serial No. 322,415. Renewed Nov. 21, 1922. 5 Claims. (Cl. 23—13.)

1. In the recovery of zirconia, the process which comprises producing a solution of normal zirconium sulfate in water substantially free from sulfates of alkalis and alkaline earths and of slightly acid nature, allowing said solution to stand with frequent agitation for about four days, and separating the mother liquor from the deposited basic zirconium sulfate.

1,460,767. MOTOR FUEL. FREDERICK W. ROHRS, Baltimore, Md. Filed Dec. 17, 1921. Serial No. 523,193. 5 Claims. (Cl. 44—9.)

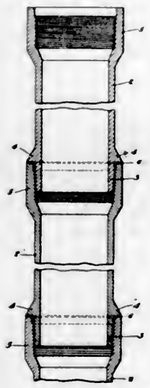
1. A motor fuel comprising from 1 to 3 parts of acetone, 25 to 35 parts of petroleum distillate, and 50 to 80 parts benzol, said parts of benzol varying from the minimum to the maximum above set forth in direct variation to the increase in temperature.

1,460,768. MOUNTING AND DRIVING OF GEAR WHEELS. FREDERICK HENRY ROYCE, Derby, England, assignor to Rolls Royce Limited, Derby, England, a Company of Great Britain. Filed Dec. 13, 1922. Serial No. 606,684. 10 Claims. (Cl. 74—7.)



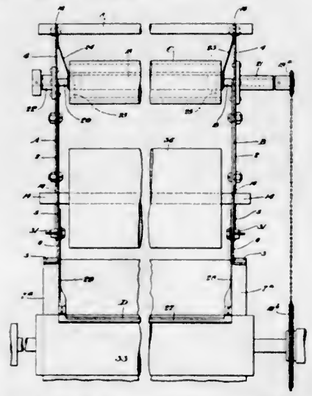
1. In a gear mounting, the combination of a driving shaft, a driven shaft coaxial therewith, the latter shaft being hollow, a connecting shaft located within said driven shaft, connecting means between one end of the connecting shaft and the adjacent end of said driving shaft, other connecting means between the opposite end of said connecting shaft and the driven shaft, and a slipping driving connection between adjacent ends of the driven shaft and driving shaft.

1,460,769. PIPE. AUGUSTUS M. SAUNDERS, McKeesport, Pa., assignor to National Tube Company, Pittsburgh, Pa., a Corporation of New Jersey. Filed July 7, 1921. Serial No. 483,023. 1 Claim. (Cl. 137—75.)



A wrought metal pipe having a male thread on one end, an integral flat faced shoulder flange formed at the rear end of said male thread by upsetting the wall of the pipe outwardly only, said flange being adapted to form a bearing for a gasket, and an integral threaded coupling portion formed on the opposite end of said pipe, said coupling portion being formed by upsetting and expanding the pipe wall outwardly until said coupling portion has a substantially thicker wall than said pipe and an inner diameter equal to the outer diameter of said male threaded end, said male end being of shorter length than said coupling member, and said pipe being of the same internal diameter throughout its length with the exception of the expanded coupling portion, substantially as and for the purpose described.

1,460,770. TYPEWRITER ATTACHMENT. HAYES C. STEVENS, Pittsburgh, Pa. Filed Apr. 6, 1921. Serial No. 458,899. 1 Claim. (Cl. 197—133.)



In a typewriter attachment the combination of a supporting frame having a pair of side members spaced apart, means on said attachment for supporting rolls of paper, a transversely extending reel mounted on stub shafts journaled in suitable bearings secured to said side members, said reel comprising a transversely extending roller member, a plurality of radially extending spring fingers mounted on said roller member, and an outer surrounding cylindrical core member supported on said spring finger members and adapted to receive paper to be reeled thereon.

1,460,771. SHOCK ABSORBER. GEORGE H. STONER, East Boston, Mass. Filed Aug. 13, 1917. Serial No. 185,807. 7 Claims. (Cl. 267—60.)



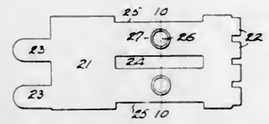
1. In a shock absorber, a pair of oppositely faced relatively movable members, a headed stem on one member and disposed towards the other member, a bearing piece slidably mounted on said stem and confined by said head, a spring interposed between said stem carrying member and said bearing piece, and a second spring disposed between said piece and the other member.

1,460,772. RADIATOR CORE. FRANK TODD, Minneapolis, Minn. Filed July 26, 1920. Serial No. 399,176. 1 Claim. (Cl. 257—129.)



A fin strip formed of a single piece of material and comprising two substantially similar portions, each of said portions being formed of a plurality of fin portions, the inner edge of one of said fin portions extending downwardly and joining the inner edge of the adjacent fin portion from which it is spaced, the outer edge of said last named portion extending downwardly and joining the outer edge of the next adjacent fin portion from which it is likewise spaced, said two similar portions being joined together by lips extending transversely from adjacent extensions from said inner edges of adjacent fin portions, each of said fin portions being cut away semi-circularly at the center of one side so that when said two similar portions are brought together a tubular aperture extends axially through the structure so formed.

1,460,773. FORGED BRAKE-BEAM FULCRUM AND PROCESS OF MAKING SAME. ERNEST R. VIBERG, Montreal, Quebec, Canada. Filed Oct. 24, 1921. Serial No. 509,999. 7 Claims. (Cl. 29—164.)



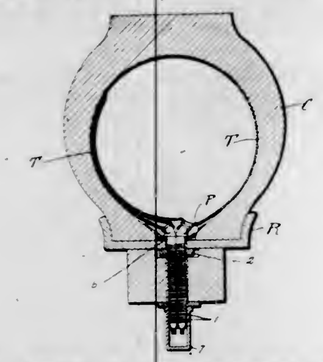
1. A brake beam fulcrum comprising a flat sheet bent to substantially cylindrical form, projections from one end of said sheet turned inwardly, and forming a tension member seat and tension member retaining lugs, and outwardly directed feet at the opposite end of the fulcrum.

1,460,774. MANUFACTURE OF 2-OXY-1-ARYLNAPHTHYLAMINES. ANDRÉ WAHL, Enghien, and ROBERT LANTZ, Paris, France, assignors of nine-tenths to Societe Anonyme des Matières Colorantes & Produits Chimiques de Saint-Denis, Paris, France. Filed Feb. 14, 1922. Serial No. 536,507. 4 Claims. (Cl. 260—128.)

1. The herein described manufacture of 2-oxy-1-arylnaphthylamines by causing primary amines to react with α-halogen-β-naphthols.

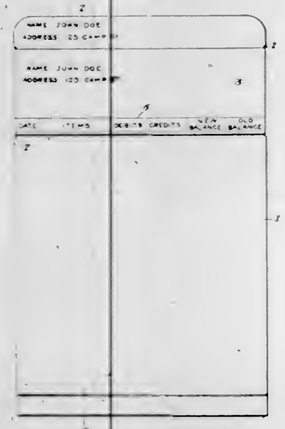
2. As a new manufactured product, the 2-oxy-1-arylnaphthylamines having at the ordinary temperature the form of crystals which are insoluble in water but soluble in the caustic alkalies and are precipitated from their solution in the caustic alkalies by the acids.

1,460,775. TIRE STRUCTURE. WILLIAM A. WALSH, Avoca, Pa. Filed Feb. 28, 1923. Serial No. 621,797. 2 Claims. (Cl. 152—22.)



2. An inflatable tire comprising a casing, independent tubes arranged therein, each of said tubes having individual valve stems, and a holding member common to both of the stems, said stems being positioned one adjacent to the other and having opposed flat surfaces substantially in contact, said flat faces having coacting means maintaining the stems in assembled relation.

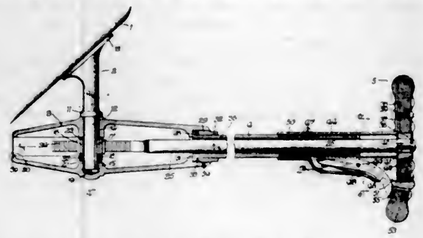
1,460,776. RECORD SHEET OR CARD. JOHN ASHLAND WHERRY, New Orleans, La. Filed June 14, 1922. Serial No. 568,193. 6 Claims. (Cl. 283—61.)



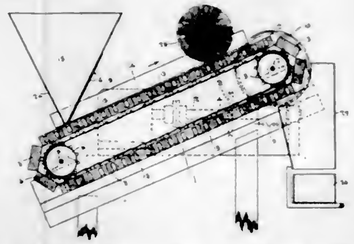
1. The combination of a record sheet, a removable band of paper or the like transversely surrounding the upper portion of said sheet, and self-contained means for effecting interlocking engagement between said sheet and band to prevent movement of the band longitudinally of the sheet.

1,460,777. SPOTLAMP. CAMERON A. WHITSETT, Chicago, Ill. Filed May 14, 1920. Serial No. 381,370. 24 Claims. (Cl. 240—7.)

1. In combination, a supporting member for mounting on or adjacent the windshield of an automobile, a shaft extending through said supporting member, a housing at one end of said shaft and rotatable therewith concentrically about the axis of said shaft, a stem projecting from said housing and adapted to support a spot lamp, a control handle at the other end of said shaft, said control handle and said shaft having joint reciprocatory motion along the axis of said shaft or rotational motion concentric with the axis of said shaft, and gearing connecting said shaft with said stem whereby the reciprocatory motion of said handle rotates said stem about its individual axis and rotational motion of said handle throws said stem and said lamp laterally to either side of the axis of said shaft.



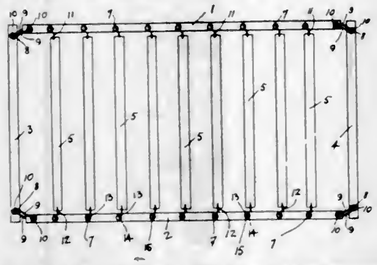
1,460,778. CAPSULE-COUNTING MACHINE. WARREN WILKIE, Detroit, Mich., assignor to Parke, Davis & Company, Detroit, Mich., a Corporation of Michigan. Filed May 15, 1922. Serial No. 561,115. 12 Claims. (Cl. 211—8.)



7. In a machine for counting articles, the combination with an endless conveyor comprising a series of laterally extending slats having recesses in their outer faces each adapted to receive a predetermined number of the articles, said conveyor having an upwardly inclined portion, means for feeding the articles in excess upon said conveyor, and means near the upper end of said upwardly inclined portion of said conveyor for removing the excess articles from successive portions of said conveyor.

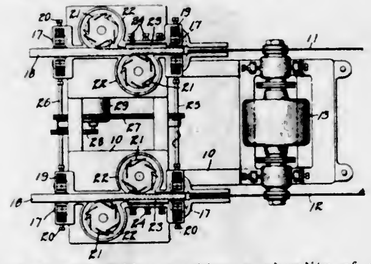
9. In a machine for counting articles, an endless conveyor comprising alternate series of blank and apertured slats, said apertured slats having laterally spaced groups of recesses each adapted to receive a predetermined number of the articles.

1,460,779. LOG RAFT. STANLEY WOOD, Victoria, British Columbia, Canada. Filed July 22, 1921. Serial No. 486,831. 3 Claims. (Cl. 9—15.)



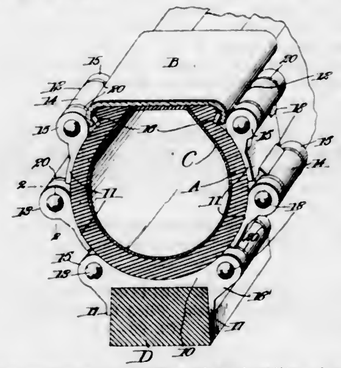
1. A log raft comprising side booms, a log supporting floor suspended between said booms, and means for raising or lowering said floor.

1,460,780. WOODWORKING MACHINERY. ERLE G. ASHLEY, Memphis, Tenn., assignor of one-third to Harry B. Anderson and one-third to Dwight R. Thomas, both of Memphis, Tenn. Filed Aug. 31, 1921. Serial No. 497,256. 4 Claims. (Cl. 144—3.)



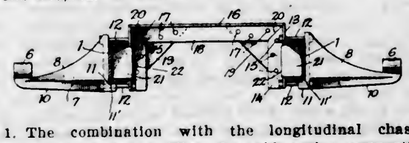
1. In a woodworking machine, a plurality of cutter-heads arranged in opposed pairs, individual driving means for the cutter-heads, a plurality of spring-pressed feed rollers for feeding a strip of wood to each cutter-head, a saw in advance of each pair of cutter-heads and lying in a plane passing between them, a plurality of spring-pressed feed rollers acting on each strip between the cutter-heads and the saw, and common driving means for all said feed rollers, substantially as set forth.

1,460,781. PNEUMATIC-TIRE PROTECTOR. CHARLES W. BAIN, Indianapolis, Ind. Filed Mar. 17, 1922. Serial No. 544,593. 1 Claim. (Cl. 152—16.)



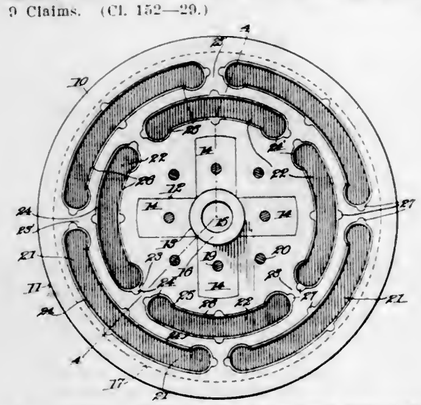
A tire protector consisting of a plurality of plates to surround the tire, anchoring hook flanges extending from two of said plates, certain of said plates having lugs, certain of said plates having barrels to fit intermediate said lugs, disks intermediate said lugs and barrels, pivot rods passing through said lugs, barrels and disks, and bearing members in said barrels to abut said disks at the ends of the bearing members.

1,460,782. AUTOMOBILE SPRING-SUPPORTING MECHANISM. ANDREW J. BARRON, Cincinnati, Ohio, assignor to Cincinnati Horse Shoe & Iron Company, a Corporation of Ohio. Filed May 11, 1922. Serial No. 560,062. 2 Claims. (Cl. 267—54.)



1. The combination with the longitudinal chassis-channel of an automobile, of a side-spring supporting-hanger disposed on one side of said chassis-channel and bearing thereagainst, hanger-supporting means disposed on the other side of said chassis-channel, fastening connections between said hanger and said hanger-supporting means, and a filler-member disposed in said chassis-channel and comprising a top and bottom and two ends, the latter projecting beyond the top and bottom, at one side thereof, to form lips bearing against said hanger-supporting means.

1,460,783. RESILIENT WHEEL. ARTHUR E. BAUMAN, Akron, Ohio. Filed Nov. 26, 1921. Serial No. 517,928. 9 Claims. (Cl. 152—29.)



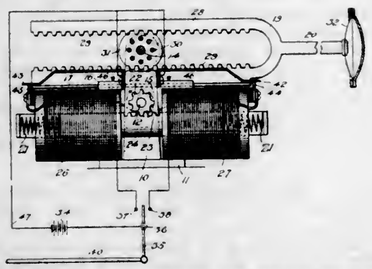
1. A resilient wheel having a resilient body having substantially transverse recesses, therein, spring means in said recesses, said spring means substantially throughout their margins, intimately contacting with the walls of the recesses, and retaining lugs on said spring means disposed at an angle to said walls and overlapping said body.

1,460,784. FOLDING RULE. FRED BUCK, Saginaw, Mich., assignor to The Lufkin Rule Company, Saginaw, Mich., a Corporation of Michigan. Filed Nov. 7, 1921. Serial No. 513,247. 8 Claims. (Cl. 33—106.)



1. In a folding rule, a plurality of pivotally connected sections, one of said sections having a pair of spaced longitudinal scales, another section having a base indication thereon, an extension member extending longitudinally of and slidably secured to said last-mentioned section between said scales and provided with means adapted to designate a figure of said scales for co-operation with said base indication.

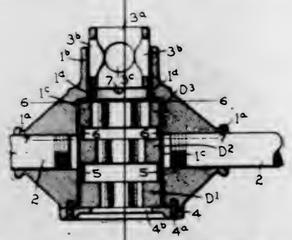
1,460,785. CONTROL MECHANISM. JOHN BUCKLEY, Mattapan, Mass. Filed Mar. 25, 1921. Serial No. 455,425. 5 Claims. (Cl. 74—27.)



1. In a device for connecting a governing mechanism with a mechanism controlled thereby, a yoke including

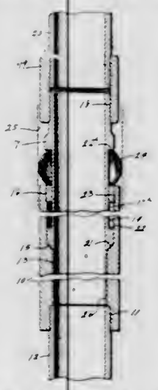
two substantially parallel arms provided with rack teeth, a pinion adapted to mesh with either of said racks to drive said yoke, a member having a groove and slot connection with said yoke, and electro-magnetic means responsive to movement of the governing mechanism for moving said member so as to bring either of said racks into engagement with said pinion.

1,460,786. DIESTOCK. WILLIAM V. BULMAN, Philadelphia, Pa. Filed Nov. 2, 1921. Serial No. 512,298. 16 Claims. (Cl. 10—114.)



1. A die stock comprising a body having an axial bore; a plurality of superposed cutting dies arranged within the bore; means for removably securing each of the dies in the body, and a changeable guide in the upper end of the body having a plurality of intersecting bores respectively corresponding to the respective cutting dies whereby by properly setting the guide a rod or pipe of any desired size may be directed by the guide to the related cutting die.

1,460,787. JAR COUPLING FOR OIL WELL CASINGS. JULIUS GORDON BURCH, Bartlesville, Okla. Filed Feb. 26, 1921. Serial No. 448,254. 6 Claims. (Cl. 166—10.)

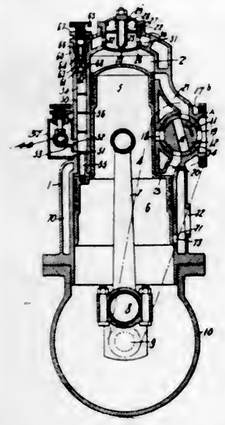


1. A well casing jar coupling comprising a pair of telescoping sleeves each adapted for connection with a casing section, one of said sleeves embodying a pair of spaced shoulders, an enlargement formed on the other of said sleeves and freely operable intermediate said shoulders and engageable with either thereof and means carried by one of said sleeves and coacting with the other of said sleeves for maintaining continuity of the casing bore during relative movement of the sleeves.

1,460,788. DRILLING WELLS. FRANK J. CARMAN, San Francisco, Calif. Filed Mar. 21, 1922. Serial No. 545,574. 2 Claims. (Cl. 255—1.)

1. In the drilling of oil and gas wells with the aid of a mud circulation, the process which comprises adding to such a circulation material having a flocculating effect upon clay.

1,460,789. INTERNAL-COMBUSTION ENGINE. WALTER R. CRIDER, Indianapolis, Ind., assignor of one-half to Henry R. Carroll, Evansville, Ind. Filed Aug. 4, 1920. Serial No. 401,230. 26 Claims. (Cl. 123—71.)

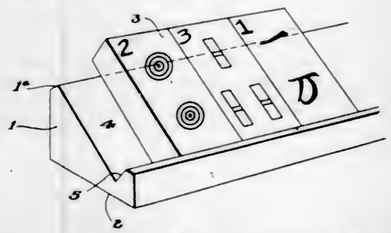


1. In an internal combustion engine, the combination of a cylinder having a combustion chamber, a piston movable in said chamber, means for admitting fuel to said chamber, a single valve for controlling the exhaust of the spent gases form said chamber and the supply of air thereto, operating connections for said valve whereby it opens the air supply to the combustion chamber during the compression stroke of the piston and a valve at the opposite side of the chamber to control the supply of fuel thereto, substantially as set forth.

1,460,790. WELDING ROD. JAMES H. CRITCHETT, Niagara Falls, N. Y., assignor to Union Carbide & Carbon Research Laboratories, Inc., a Corporation of New York. Filed June 24, 1921. Serial No. 480,231. 7 Claims. (Cl. 219—12.)

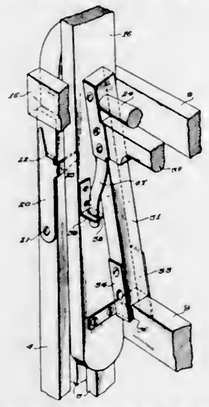
1. A welding rod or the like consisting of an iron alloy containing carbon and a substantial amount of chromium.

1,460,791. GAME-PIECE SUPPORT. RALPH C. CUNNINGHAM, Tacoma, Wash. Filed Dec. 29, 1922. Serial No. 609,730. 1 Claim. (Cl. 99—11.)



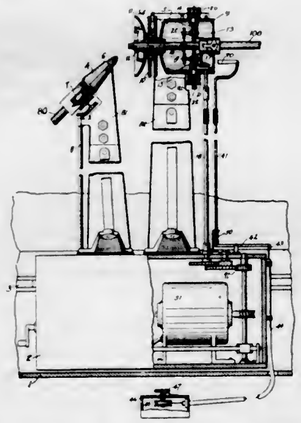
In combination a plurality of block like game pieces and a support for the same comprising an elongated strip having a horizontal bottom, a substantially vertical rear wall, a supporting ledge along the forward edge of said strip and a supporting surface inclined rearwardly and upwardly from said ledge toward the rear side of the strip, the upper rear edge of the strip being beveled off and the length of the game pieces being such with respect to the width of the inclined supporting surface that the upper ends of said game pieces project beyond said supporting surface but lie within the vertical plane of the rear wall of the strip, whereby the projecting portions of a plurality of the game pieces may be simultaneously grasped to lift and play them and whereby the elongated strip may be tipped over rearwardly without interference by the said game pieces, to expose the said game pieces to the view of other players.

1,460,792. COMBINATION LADDER. EUGENE DARNELL and LOUIS G. CASSIDY, Wichita, Kans. Filed Apr. 17, 1922. Serial No. 553,707. 11 Claims. (Cl. 228—18.)



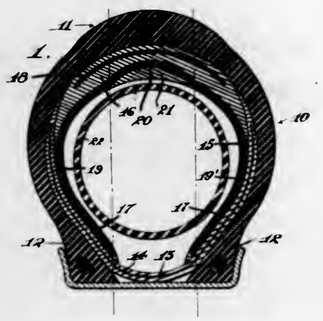
1. A ladder comprising a major section consisting of side bars and rungs extending between the side bars, a minor section consisting of side bars and rungs extending between the side bars, the minor section being adapted to fit between the side bars of the major section, locking feet pivotally mounted on a rung of the minor section and provided at their lower ends with means to engage a rung on the major section, a cross bar connecting the locking feet just below their pivotal mounting, resilient connections between the locking feet and the minor section holding the locking feet normally away from the major section, and means for limiting the pivotal movement of the locking feet in a direction away from the major section.

1,460,793. FEEDING AND ROTATING MEANS FOR ELECTRODES. ARTHUR P. DAVIS, Brooklyn, N. Y., assignor to Elmer A. Sperry, Brooklyn, N. Y. Filed Mar. 27, 1917. Serial No. 157,608. 8 Claims. (Cl. 176—51.)



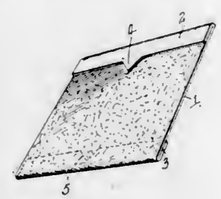
1. The combination with an electrode holder, of mechanism for feeding the electrode therethrough including a plurality of feed rollers, means for mounting the same to engage at substantially opposite points the electrode, means for oppositely altering the planes of rotation of each roller to vary the rate of feeding during the operation of the lamp and means for driving the rollers.

1,460,794. TUBE CASING. JOHN H. GAUBE, Los Angeles, Calif., assignor to Grube Auto & Tire Specialties Corp'n, Phoenix, Ariz., a Corporation of Arizona. Filed July 22, 1921. Serial No. 486,698. 10 Claims. (Cl. 152—13.)



9. In a pneumatic tire, a tubular outer casing having its inner periphery divided and adapted to be attached to a wheel rim, a rubber inner sheath member arranged within the outer casing and spanning the divided inner periphery of the latter and having side portions extending over the inner surface of each of the side portions of the casing, a second rubber sheath member of tubular form and divided on its inner periphery and formed with a thickened tread portion to lie against the inner surface of the outer casing opposite the tread surface of the latter, the side portions of said second sheath member extending over the inner surface of the side portions of the other sheath member and having soft rubber edges, an inflatable inner tube arranged within the second sheath member, and a cord fabric reinforcement embedded in said second sheath member and extending throughout the side portions thereof and across the thickened tread portion with a slack in the tread portion whereby said tread portion may have free elastic action, and with the fabric in the side portions arranged to have a stiffening effect to confine active elastic movement to the tread portion.

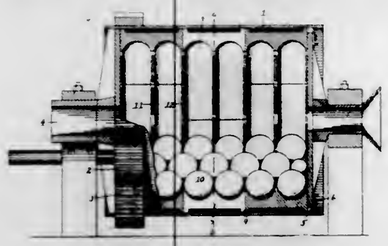
1,460,795. SHINGLE. NORMAN P. HARSHBERGER, Chicago, Ill., assignor to Tee-Lok Shingle Company, Chicago, Ill., a Corporation of Illinois. Filed Dec. 14, 1921. Serial No. 522,223. 7 Claims. (Cl. 108—7.)



1. A plurality of shingles laid in a row, each shingle having a flat body portion with two of its opposite end margins folded back on themselves on opposite sides of the shingle body to provide a double thickness of material along each of such margins, said shingles being laid

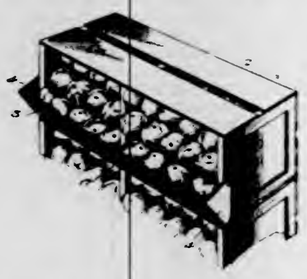
with the folded portion on the under side of one shingle having an abut joint with the folded portion on the upper side of the adjacent shingle and with said folded portions overlapping the body portions of said shingles.

1,460,796. LINING FOR BALL MILLS. ERIC HEDBERG, Kingman, Ariz. Filed Apr. 5, 1920. Serial No. 371,291. 1 Claim. (Cl. 83—9.)



In a mill lining a section in the form of a segment of a circle and having grooves at its inner side and feet at its outer side and having slots passing transversely through the same, some of the slots being located between the grooves and other of the slots being located at the side edge portions of the segment.

1,460,797. ATTACHMENT FOR FRUIT CRATES. RICHARD W. HICKS, Akron, Ohio. Filed Mar. 11, 1922. Serial No. 542,824. 5 Claims. (Cl. 217—58.)



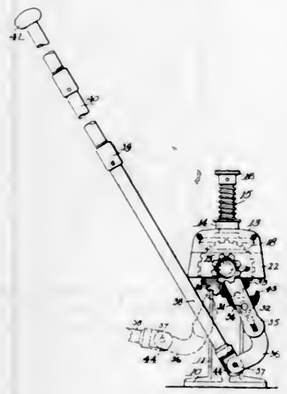
1. A device adapted to be attached at the open side of a crate comprising, a guard of substantially the length of the crate, and hinged end members constructed to secure the guard to the crate in an inclined position relative to one edge of the open side thereof with one edge of the guard resting upon said edge of the crate.

1,460,798. FINGER RING. CARLTON W. HOLMES, Long Beach, Calif., assignor of one-half to Zebulon S. Skinner, Los Angeles, Calif. Filed June 7, 1921. Serial No. 475,611. 1 Claim. (Cl. 63—15.)



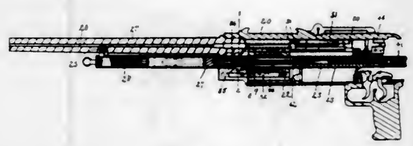
A ring of the character shown having a ring body with a setting therein, said ring body increasing in thickness as it approaches the opposite sides of said setting and having circumferentially extending grooves in its top side at opposite sides of said setting, a series of jewels seated in said grooves, at each side of said setting, and securing wires for each set extending from the setting, through said jewels and at its end secured through an opening in the body of the ring, as shown and described.

1,460,799. SCREW JACK. ALVIN L. JOHNSON, Worcester, Mass., assignor of forty-eight per cent to W. Goulding Warren, Holden, Mass., and four per cent to Albert E. Fay, Worcester, Mass. Filed Feb. 3, 1922. Serial No. 533,971. 17 Claims. (Cl. 254—103.)



1. In a jack, the combination with a work rest, of a depending oscillatory arm, means comprising a pawl for causing the oscillation of said arm to raise or lower the rest, and means whereby the swinging of the arm to its limiting position will shift the pawl.

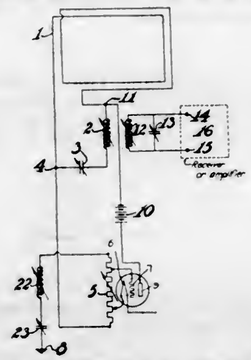
1,460,800. CARTRIDGE-FEEDING MECHANISM FOR MACHINE GUNS. MILLARD L. JOHNSTON, Utica, N. Y. Filed Sept. 16, 1918. Serial No. 254,217. 4 Claims. (Cl. 89—33.)



2. In a machine gun having a cartridge carrier, a latch carrier, a demountable latch mounted in said carrier, automatic means for actuating said latch laterally, and means for impinging against said latch carrier, whereby to actuate said latch in a longitudinal manner to revolve the cartridge carrier to bring the cartridges into loading position.

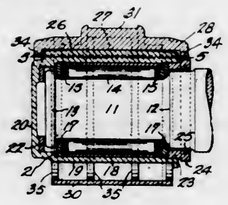
1,460,801. DIRECTIONAL RADIO RECEIVING SYSTEM. ROBERT H. MARRIOTT, Bremerton, Wash. Filed June 20, 1921. Serial No. 478,960½. 1 Claim. (Cl. 250—11.) (Filed under the act of Mar. 3, 1883, 22 Stat. L., 625.)

In a radio receiving system, a loop antenna circuit, an earth connection therefor, a thermiomic repeater having its grid and filament connected with said ground connection and a connection from the plate circuit of



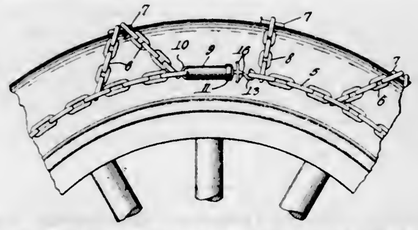
said thermionic repeater to loop circuit, whereby the loop-to-ground potentials are repeated and impressed upon the loop antenna circuit.

1,460,802. RAILWAY-CAR-JOURNAL ROLLER BEARING. KARL F. NYSTROM, Montreal, Quebec, Canada. Filed June 11, 1921. Serial No. 476,775. 7 Claims. (Cl. 64—62.)



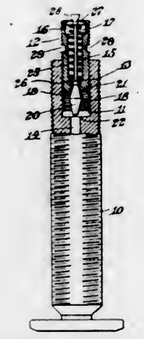
6. In a railroad journal bearing, a split rolling element carrying cage, a sleeve surrounding the cage and holding the same in assembled position around a journal and forming a rolling element raceway, a casing surrounding the sleeve, a seat at the outer end of said casing to limit outward movement of the sleeve, an adjustable ring at the inner end of the case to urge said sleeve toward the seat and thrust rings at the ends of the cage held rigidly between the seat and adjustable ring, and adapted to engage the end shoulders of a journal.

1,460,803. ANTISKID CHAIN. EDWARD A. PORTZER, St. Marys, Pa. Filed Apr. 2, 1921. Serial No. 458,161. 1 Claim. (Cl. 267—74.)



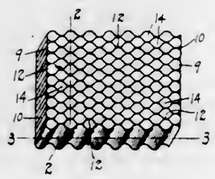
The combination with an anti-skid device including parallel side chains, of a cylinder carried by one end of each chain, a cap arranged upon one end thereof, a hook for engagement with the opposite end of each chain extending within each cylinder, a coil spring in each cylinder and normally urging said hooks toward the cylinder, and a finger engaging element carried by each hook, said element interposed between the hook and the cylinder and in the same plane as the hook, whereby said finger engaging element is moved against tension of the spring for the purpose of engaging or disengaging the hook from the chain.

1,460,804. VALVE STEM FOR PNEUMATIC TIRES. AI B. SHAW, Medford, Mass., assignor to Shaw Specialty Co. Inc., Boston, Mass., a Corporation of Massachusetts. Filed July 18, 1922. Serial No. 575,801. 5 Claims. (Cl. 152—12.)



1. A valve stem having a valve seat in its upper end; a tubular member adjustable lengthwise of said stem and having a valve seat in its inner end; a spring-pressed rod within said tubular member having a ball formed upon its inner end; and a valve having a socket to receive said ball.

1,460,805. RADIATOR CORE. HENRY SWAY, Cincinnati, Ohio. Filed Sept. 22, 1920. Serial No. 411,962. 2 Claims. (Cl. 257—130.)

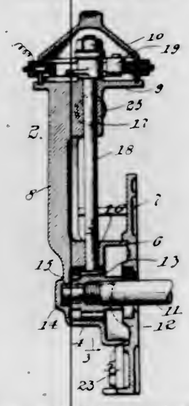


1. A radiator section including a transversely corrugated strip of sheet metal, the peaks of the ridges of said corrugations and the bottoms of the cavities of said corrugations being gradually curved towards their outer ends, said strip being folded intermediate its ends to form air passageways and the peaks of said ridges on the opposite sides of said fold abutting against each other, the portions of the folded strip between said abutting ridges forming substantially frustro-conical tubular portions at the ends of the air passageways, and the ends of said strip being connected together.

1,460,806. TIMER ELEVATOR FOR FORD CARS. VICTOR W. THOMAS, Waukegan, Ill. Filed Feb. 21, 1921. Serial No. 446,641. 3 Claims. (Cl. 123—146.5.)

3. Means for mounting and actuating a timer for ignition system of an internal combustion engine comprising a spiral gear adapted to be mounted upon the end of the cam-shaft of the engine and having an axial extension, a casing having a socket for journalling the extension of

said gear whereby said casing is located and a bearing is provided for the outer end of the cam-shaft, a shaft journaled in said casing, a second spiral gear mounted upon said shaft and meshing with said first-mentioned gear,



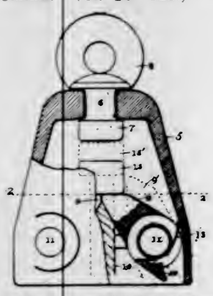
an extension from said casing terminating in a platform through which said shaft extends, and arms extending from said casing to secure said casing as positioned through the interfitting of said first-mentioned gear therewith.

1,460,807. SELF-LOADING FIREARM. FRITZ WALTHER and GEORG WALTHER, Zelle-Mehlis, Germany. Filed Aug. 29, 1921. Serial No. 496,757. 3 Claims. (Cl. 42—49.) (Granted under the provisions of the act of Mar. 3, 1921, 41 Stat. L., 1313.)



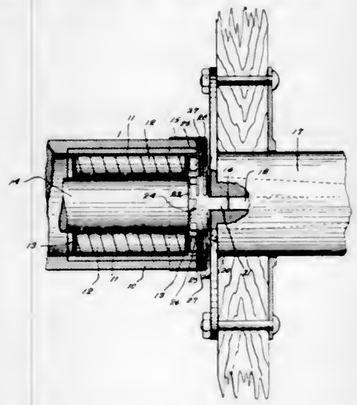
1. Self-loading fire arm comprising in combination with the barrel a forestock hingedly connected with the barrel, a locking device for securing said forestock in its normal position and for releasing the same so that it can swing to an angular position with regard to the barrel, a second locking device for locking said fore end of the stock in this angular position and for releasing the same so that it can be swung to a position at approximately right angles to the barrel to serve as handle for screwing the barrel in or out of the breech.

1,460,808. LOGGING BULL HOOK. OSCAR A. WIRKKALA, Kent, Wash. Filed Aug. 10, 1922. Serial No. 581,036. 5 Claims. (Cl. 24—123.)



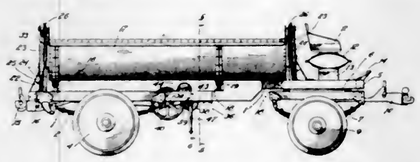
1. In a bull hook in combination, a hook body, and a pair of dogs mounted for oscillation on bearings in said hook body adapted for the passage of a knobbed cable between them and further adapted to have their free ends bear on each other on one side of a line drawn through said mounted ends.

1,460,809. OIL RETAINER FOR JOURNAL BOXES. ADAM BOOMERSHINE, Dayton, Ohio, assignor of one-half to John C. Slager, Dayton, Ohio. Filed Jan. 30, 1919. Serial No. 273,938. 18 Claims. (Cl. 64—22.)



11. An oil retainer for journal boxes, comprising a bulkhead fixed against lateral motion and oil tight with reference to the journal box through which the journal shaft passes, said bulkhead having an aperture larger than the journal, a bulkhead on the journal, and means independent of the journal and indifferent to the position of the journal in the journal box, for maintaining face to face contact between said bulkheads.

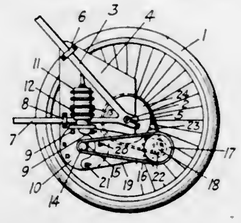
1,460,810. DUMPING VEHICLE. ADDI BENJAMIN CADMAN, Beloit, Wis., assignor to Warner Manufacturing Company, Beloit, Wis., a Corporation of Wisconsin. Filed Mar. 26, 1921. Serial No. 455,841. 10 Claims. (Cl. 298—10.)



1. A dump truck having a frame mounted on wheels, a body supported on said frame to be tilted sidewise for unloading, mechanical operating gearing for tilting said body, an operating shaft having driving connections with said gearing and extending out on the side of said truck, and an operating crank for said shaft having means for engaging the same to turn only in such a way as to operate the gearing to dump the truck load on the opposite side of the truck.

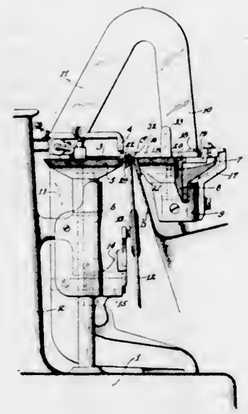
1,460,811. EXPLOSIVE-ENGINE ATTACHMENT FOR BICYCLES. ERNEST S. CALENO, Dayton, Ohio. Filed May 27, 1921. Serial No. 473,074. 2 Claims. (Cl. 180—33.)

2. The combination with a bicycle, of an explosive engine detachably secured thereto, a crank shaft propelled by said engine, a sprocket on said shaft, a rear sprocket, a shaft on which the latter is mounted, a sprocket chain transmitting power from the front to the rear sprocket,



and a pair of longitudinally adjustable side plates secured to the bicycle, in which the rear sprocket shaft is journaled, for the purpose specified.

1,460,812. GUIDE FOR SEWING MACHINES. JOHN J. DRAKE, Elizabeth, N. J., assignor to The Singer Manufacturing Company, Elizabeth, N. J., a Corporation of New Jersey. Filed Jan. 20, 1920. Serial No. 352,871. 11 Claims. (Cl. 112—15.)

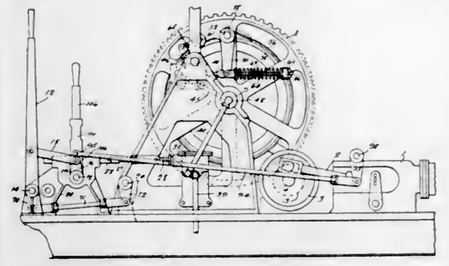


4. A guide for hat sewing machines comprising, opposed depending rests defining an inverted trough, said guide being formed within the trough with a shoulder and with a groove at one side of and above the level of said shoulder, substantially as and for the purpose specified.

5. In a hat sewing machine, the combination with stitch-forming mehcanism including a horizontally reciprocating needle and feeding mechanism including opposed feeding and presser-wheels, of means in advance of said stitch-forming and feeding mechanisms and between said wheels for reversely folding the marginal portion of a hat brim adjacent the inwardly disposed free edge of a pre-formed edge fold and presenting said free edge and reversely folded portion to the stitch-forming and feeding mechanisms.

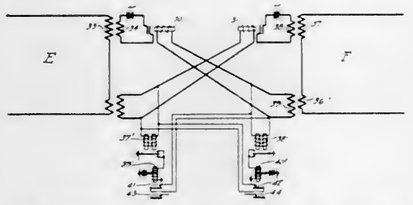
1,460,813. CONTROL MECHANISM OF EXCAVATING MACHINES OR THE LIKE. HOLLIS H. HARRIS, Lorain, Ohio, assignor to The Thew Shovel Company, Lorain, Ohio, a Corporation of Ohio. Filed Mar. 21, 1919. Serial No. 284,109. 25 Claims. (Cl. 192—3.)

1. The combinations with a throttle controlled engine of an operating member driven thereby, a friction clutch between the engine and the operating member, means for controlling the clutch, throttle operating means, a single manually operable controlling member connected with



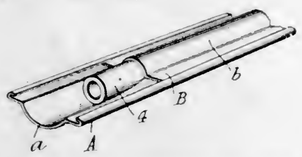
both said means and determining the operation of said means by its position, and means for separating the throttle control means from said member.

1,460,814. VOICE-CURRENT TELEPHONE REPEATER. JOHN H. HOMRIGHOUS, Oak Park, Ill., assignor to Automatic Electric Company, Chicago, Ill., a Corporation of Illinois. Filed Mar. 27, 1919. Serial No. 285,586. 19 Claims. (Cl. 179—170.)



1. In a telephone system, a pair of lines joined by a two-way repeating apparatus, said apparatus consisting of two repeaters each normally in full repeating relation to one of said lines, and a voice current controlled circuit changing device included in the energizing circuit of each repeater and operating with its associated repeater to render the other repeater inoperative.

1,460,815. ELECTRIC HEATER. LEE P. HYNES, Albany, N. Y., assignor to Consolidated Car-Heating Company, Albany, N. Y., a Corporation of West Virginia. Filed Feb. 10, 1922. Serial No. 535,584. 22 Claims. (Cl. 219—63.)

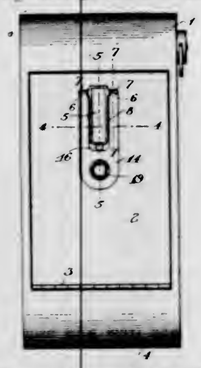


1. An electric heater comprising a metal shell made in separable parts suitably secured together, a refractory insulating duct fitted into the shell, and a heating coil extending loosely through the said duct.

1,460,816. CAMERA SUPPORT. ROBERT KROEDEL, Rochester, N. Y., assignor to Eastman Kodak Company, Rochester, N. Y., a Corporation of New York. Filed Sept. 8, 1922. Serial No. 586,994. 2 Claims. (Cl. 95—86.)

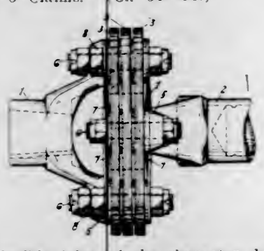
1. In a folding camera, the combination with a body and a bed hinged thereto, of a folding pivoted leg for

supporting the bed when extended, a plate on the bed supporting the leg bearings and a threaded nut adapted



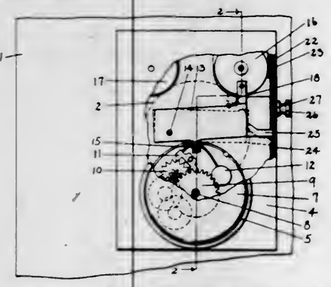
for the connection of a camera supporting tripod, said nut being arranged to secure the plate to the bed.

1,460,817. FLEXIBLE JOINT. BENJAMIN LIEBOWITZ, New Rochelle, N. Y. Filed Nov. 26, 1921. Serial No. 517,942. 6 Claims. (Cl. 64—96.)



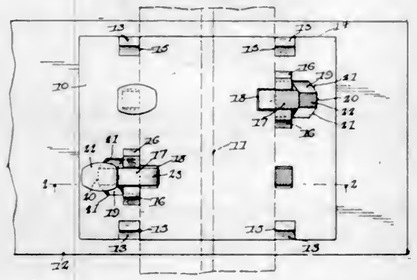
1. In a flexible joint of the character described, the combination with a flexible member and a pair of yoke members fastened thereto, of strut members fastened to said flexible member at points intermediate the points of attachment of said yoke members.

1,460,818. BURGLAR ALARM. JOHN W. LONGWORTH, Grand Rapids, Mich., assignor to Aben E. Johnson, Hastings, Mich. Filed Dec. 8, 1921. Serial No. 520,795. 10 Claims. (Cl. 116—79.)



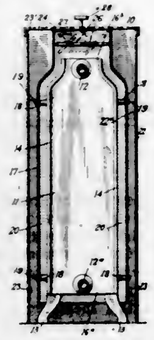
2. In a burglar alarm, the combination of a housing adapted to receive a door knob, an alarm, an alarm control member, means for supporting said housing upon a door knob comprising a roller mounted in said housing to be engaged with a knob, a dog on said roller coacting with said alarm control member for holding said member in alarm locking position, said dog being disengaged by the rotative movement of said roller, a setting and locking member having cam slots therein, a pin on said roller coacting with one of said cam slots, and an arm on said alarm control member coacting with the other of said cam slots so that the roller and the alarm control member are set and retained in set position.

1,460,819. RAIL FASTENER. EMERY M. MCVICKER, Milwaukee, Wis., assignor to J. F. McVicker, Milwaukee, Wis. Filed May 22, 1922. Serial No. 562,599. 6 Claims. (Cl. 238—304.)



3. A rail fastener including a tie plate having an opening therethrough and an undercut wall, a rail clip having upper and lower jaws for embracing an edge of the rail and a portion engageable beneath said wall, a spike in said opening behind said clip to retain said clip in rail securing position, and a recess in the rear wall of said opening for retaining said spike in clip engaging position.

1,460,820. HEATING APPARATUS. ANDRÉ M. MERTZANOFF, New York, N. Y., assignor to American Radiator Company, Chicago, Ill., a Corporation of New Jersey. Filed Jan. 20, 1919. Serial No. 272,019. 10 Claims. (Cl. 257—136.)

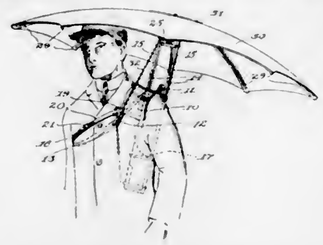


3. An apparatus comprising a heat emitting-element having a plurality of independent air passages therein provided with constricted outlet openings, a member surrounding said element and spaced therefrom to form an air passage, a housing enclosing said element and said member, and a damper for controlling the flow of air through the air passages in said element and the passages between said element and the member surrounding the same, substantially as specified.

1,460,821. UMBRELLA. THOMAS J. MORAIS, Richmond, Va. Filed Feb. 14, 1922. Serial No. 536,451. 13 Claims. (Cl. 135—20.)

1. In a device of the kind described, a housing frame open at the top, an umbrella in said housing frame and

having its central portion within the frame and ribs projecting upwardly from said central portion, and mecha-



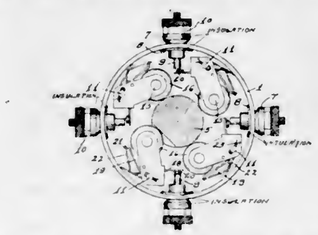
nism attached to the umbrella and housing frame and arranged to raise the central portion of the umbrella frame and expand the ribs outwardly.

1,460,822. ANTISLIPPING ATTACHMENT FOR VEHICLE WHEELS. CHARLES MOSS, New York, N. Y. Filed Mar. 5, 1920. Serial No. 363,471. 3 Claims. (Cl. 152—14.)



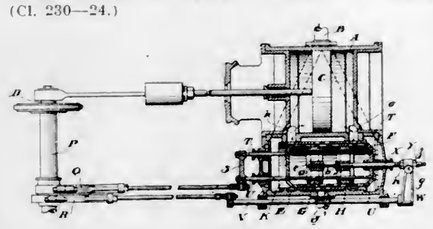
1. In a device of the character described, an antislipping attachment comprising a tire-engaging member provided along its longitudinal edges with outwardly bent flanges, said member having apertures therein, and being pressed outwardly about said apertures to form recesses on the inner face of said tire-engaging member, and annuli on the outer face thereof, and tread means mounted upon said tire-engaging member between said flanges provided with apertures reamed at their ends and in alignment with said apertures of said tire engaging member, the reamed portions at one end being engaged by said annuli and rivet members engaged through said apertures to secure said tread means to said tire-engaging member, the heads at one end of said rivet members being countersunk in said recesses on the inner side of said tire-engaging member, the heads at the other ends thereof being countersunk in said reamed portions at the exposed side of said tread means.

1,460,823. TIMER. JESSE C. OSBORN, Chicago, Ill., assignor to J. W. Duntley, Chicago, Ill. Filed Apr. 3, 1920. Serial No. 370,987. 1 Claim. (Cl. 200—27.)



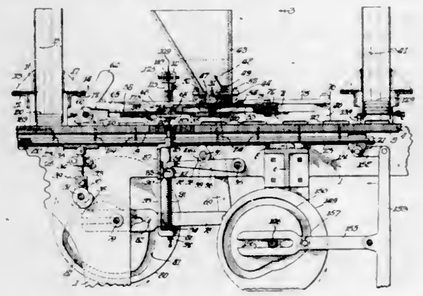
In a timer the combination with a casing having a plurality of equally spaced apertures in the periphery thereof, of electric terminals engaged in said apertures and insulated therefrom, a stub shaft secured in the casing adjacent each of said terminals, a bracket pivoted on each of said shafts, a roller pivoted in each bracket, a lever also pivoted in each bracket on a different center than the roller, a contact member on the lever adapter to engage the electric terminal, a spring engaged around the shaft and having its extremities secured to the lever and to the inside of the casing tending to hold the contact member on the lever in contact with the electric terminal in the casing, and a rotatable cam in the casing for normally holding the contact members separated and allowing said members to successively contact.

1,460,824. COMPRESSOR VALVE. FREDERICK W. PARSONS, Elmira, N. Y., assignor to Ingersoll-Rand Company, Jersey City, N. J., a Corporation of New Jersey. Filed Jan. 14, 1922. Serial No. 529,283. 5 Claims. (Cl. 230—24.)



1. In a compressor, the combination with the cylinder and piston, of a mechanically operated combined inlet and discharge valve for the cylinder, comprising a main valve member controlling the closing of the discharge at the end of the piston stroke and having closed ends, which control the opening and closing of the intake, an auxiliary valve member carried by the main valve member and controlling the opening point of discharge from the cylinder, and means for adjusting said auxiliary valve member to vary the opening point of discharge.

1,460,825. FLAT-ICING MACHINE. FRANK M. PETERS and WARREN H. HUNGERFORD, Chicago, Ill., assignors to Peters Machinery Company, Chicago, Ill., a Corporation of Illinois. Filed July 1, 1920. Serial No. 393,364. 9 Claims. (Cl. 107—1.)



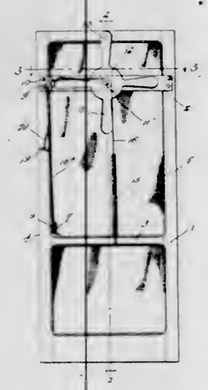
1. In a cake machine, the combination of a frame having a supporting surface along which cakes are adapted to be moved, means adjacent the supporting surface for coating the surface of the cakes with a material, a magazine adapted to contain a supply of cakes, and a plurality of vertically movable pushers, adapted to reciprocate lengthwise of the supporting surface for withdrawing cakes from the magazine and advancing same to the coating means.

3. In a cake machine, the combination of a frame having a supporting surface composed of a plurality of slats spaced apart to afford slots therebetween, a cake magazine at one end of the supporting surface, a reciprocal frame with pushers adapted to be projected through the slots between the slats, above the surface of the latter, for withdrawing cakes from the magazine and moving same, step by step, along the supporting surface, a hopper for material to be applied to the

surface of the cakes, and means for successively coating the cakes withdraw nfrom the magazine with the material contained in the hopper.

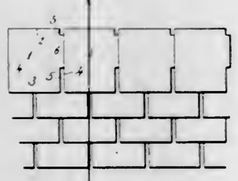
8. In a cake machine, the combination of a stencil plate having an opening therethrough, means for applying a cake to the opening, a hopper for coating material and a member adapted to be projected from and returned under the hopper while the cake is applied to said opening, said member having opposed inclined surfaces, adapted to spread the coating material in both directions of its reciprocation over the surface of each cake.

1,460,826. FLY-CHASING SCREEN-DOOR ATTACHMENT. HERBERT PILGER, Plainview, Nebr. Filed Mar. 11, 1922. Serial No. 542,910. 2 Claims. (Cl. 230—7.)



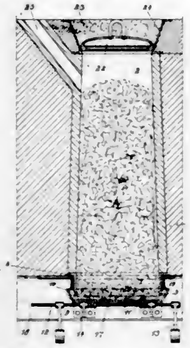
1. The combination with a screen door, a fly frightening wheel mounted at the outer side thereof, a cable having one end engaging around the hub of the wheel and secured thereto, a retractile spring connected with the door and the opposite end of the cable, a further cable also having one end engaging around the hub of the wheel and secured thereto, and handles connected with the last mentioned cable, one of the handles being arranged at the outer side of the door and the other handle being arranged at the inner side of the door, the opposite end of the last mentioned cable extending through an opening within the screen door.

1,460,827. PREPARED ROOFING ELEMENT. ASA R. PURDY, Boundbrook, N. J., assignor to Ruberoid Co., a Corporation of New Jersey. Filed Dec. 3, 1921. Serial No. 519,681. 3 Claims. (Cl. 108—8.)



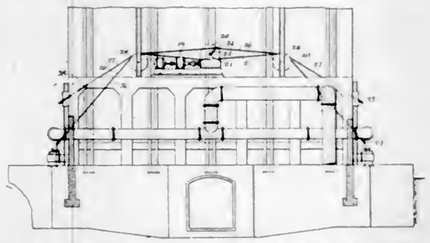
2. A self-spacing prepared roofing element having substantially parallel straight sides with a shoulder projecting from one side intermediate the ends, the shoulder being spaced from the lower end a distance defining the length to be exposed when the element is laid, the length of the shoulder being one-half the length of the element.

1,460,828. PROCESS OF SEALING VERTICAL COKING CHAMBERS. JOSEF SCHÄFER, Dortmund, Germany. Filed Dec. 3, 1920. Serial No. 428,171. 5 Claims. (Cl. 202—9.) (Granted under the provisions of the act of Mar. 3, 1921, 41 Stat. L., 1313.)



1. The process of sealing vertical coking-chambers and the like by first, closing the discharge-opening thereof by a granular sealing-agent; second, keeping a liquid in contact with said sealing-agent for forming a moist-seal adapted to draw said liquid up by capillary action and to hold it in readiness for evaporation as demanded by the profess of dry-distillation; third, sealing the charging mouth of said coking-chambers by a dry-seal consisting of a granular sealing-agent of the same nature as utilized in said moist-seal; fourth, removing said moist-seal by opening the discharge-opening and discharging the carbonaceous product of dry-distillation; fifth, closing said discharge-opening and sixth, automatically transferring the granular sealing-agent of said dry-seal to said closed discharge opening for utilizing it as a sealing-agent in the building up of the subsequent moist-seal when said dry-seal is being broken up for the admission of a new charge, substantially as specified.

1,460,829. REVERSING MECHANISM FOR BY-PRODUCT COKE OVENS. LLOYD F. SCHRADER, New York, N. Y., assignor to Foundation Oven Corporation, New York, N. Y., a Corporation of New York. Filed Sept. 22, 1919, Serial No. 325,570. 4 Claims. (Cl. 137—148.)

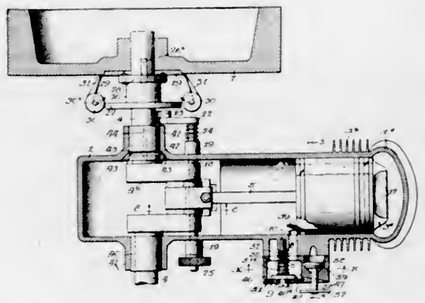


1. Mechanism for operating the air and gas valves of a coke oven, said mechanism including in combination actuating devices for said valves and a common motor for reversing at the same time the actuating devices for both sets of valves.

1,460,830. METALLURGICAL PROCESS. HERMAN G. C. THOFEHRN, Roselle Park, N. J.; Donald H. McLean administrator of said Herman G. C. Thofehrn, deceased. Filed Oct. 4, 1918. Serial No. 256,868. 4 Claims. (Cl. 75—27.)

1. A metal scavenging process consisting in introducing in the molten metal to be treated, during the pouring of the molten metal into the ladle, an alloy of aluminum and magnesium in the proportions to said molten metal substantially as specified.

1,460,831. INTERNAL-COMBUSTION ENGINE. HERBERT L. THOMPSON, Elgin, Ill., assignor to Burgess-Norton Manufacturing Company, Geneva, Ill., a Corporation of Illinois. Filed May 27, 1921. Serial No. 472,944. 8 Claims. (Cl. 123—73.)



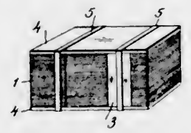
7. In a valve operating mechanism, the combination of a drive shaft, a rock shaft parallel with said shaft, a valve member mounted on said rock shaft and adapted to open and close a valve, an arm fixed to said rock shaft and extending radially toward the drive shaft, and a governor comprising a friction disc slidably mounted on said drive shaft and adapted to frictionally engage the end of said radial arm, yieldable arms mounted on said disc, and weights at the ends thereof, said arms and weights being actuated by centrifugal force to flex said arms and to effect the axial movement of said disc along said drive shaft.

1,460,832. PROCESS FOR THE RECOVERY OF THE ACTIVE PRINCIPLE OF THE SUPRARENAL GLANDS. KEIZO WOOYENAKA, Tokyo, Japan, assignor to Jokichi Takamine, New York, N. Y. Filed Dec. 27, 1920. Serial No. 433,259. 10 Claims. (Cl. 167—7.)

1. The improvement in the process of extracting the active principle of the suprarenal gland, which consists in subjecting the gland to the action of a proteolytic enzyme before separation of the solution containing the active principle.

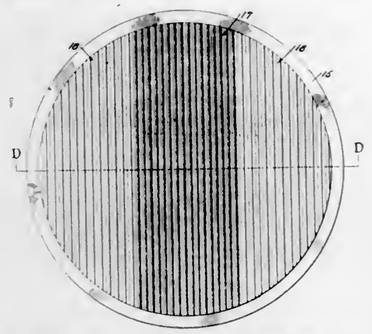
3. A process of purifying the crude active principle of the suprarenal gland, which consists in dissolving the same in an acid in quantity in excess of double the combining weight of the said acid with said product, and precipitating impure matter from said solution with alcohol.

1,460,833. PACKAGING SHINGLES. HERBERT ABRAHAM, New York, N. Y., assignor to The Ruberoid Company, a Corporation of New Jersey. Filed Mar. 10, 1922. Serial No. 542,564. 5 Claims. (Cl. 206—47.)



1. A package comprising a plurality of similarly recessed roofing elements arranged with the recesses in registration to form a groove, a nail-container of a shape complementary to that of the groove fitting in the groove, and fastening means binding said parts together.

1,460,834. HEADLIGHT CONSTRUCTION. SAMUEL F. ARBUCKLE, Connersville, Ind., assignor to Monogram Lens Corporation, New York, N. Y., a Corporation of Delaware. Filed Feb. 13, 1922. Serial No. 536,024. 2 Claims. (Cl. 240—48.4.)



1. A cover front for use with a headlight having a source of light and a reflecting surface, said cover front having means whereby rays of light reflected from the reflecting surface are deflected laterally to provide a horizontally wide spread driving light, said means comprising a plurality of vertical zones, each zone composed of vertical convex ribs, the central portion of the ribs of some of the zones being relatively flat, the curvature of the ribs of one zone being different from the curvature of the ribs of an adjacent zone, the relatively flat portion of said ribs having such common deflecting power as to overlap horizontally the projected light illuminating a central portion and a side area varying in intensity from the center to the side thereof.

1,460,835. PROCESS OF MAKING LIGHT DISTRIBUTORS AND MANUFACTURING THE SAME UNIFORMLY IN QUANTITIES. SAMUEL F. ARBUCKLE, Detroit, Mich., assignor to Monogram Lens Corporation, New York, N. Y., a Corporation of Delaware. Filed Apr. 11, 1922. Serial No. 551,645. 6 Claims. (Cl. 76—107.)



1. A process of making a mould for moulding a head light glass having a light refractive means extending across said glass, said process comprising providing a matrix material, predetermining the contour and relation of the refractive means to be produced in the glass, making a shaping tool with a cutting edge provided with a contour to form an impression on said matrix from which said light refractive means can be produced in said glass, and cutting the matrix with said tool to form a plurality of ribs or grooves in a reverse replica of said tool and arranging the same to have the predetermined relation, one with the other to make a complete mould.

1,460,836. GLASS-MOLD BURNISHING PROCESS AND APPARATUS. SAMUEL F. ARBUCKLE, Detroit, Mich., assignor to Monogram Lens Corporation, New York, N. Y., a Corporation of Delaware. Filed Nov. 15, 1922. Serial No. 601,002. 6 Claims. (Cl. 76—101.)

1. The process of making a mold for producing a glass article which consists in providing a tool whose cutting

edge conforms exactly to the positive shape of the surface configuration to be produced in glass, cutting a mold blank to form the reverse replica of said tool in



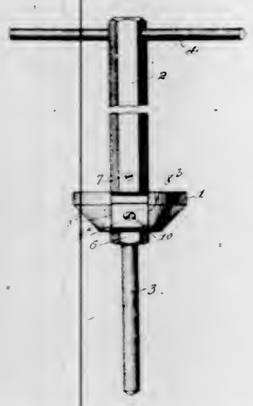
said blank and finishing said blank with a finishing tool whose cutting edge is in exact configuration of a surface to be produced in glass.

1,460,837. WRENCH. ADOLPH BANGERT and FREDERICK MAY, New York, N. Y.; said Frederick May assignor of his entire right to Charles May, Jersey City, N. J. Filed July 18, 1921. Serial No. 485,611. 1 Claim. (Cl. 7—4.)



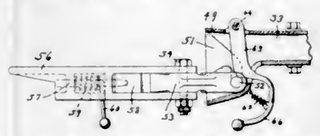
The combination, in a combination wrench, of two crossed and pivoted members, pipe-wrench jaws formed at one end of said members, nut-wrench jaws formed at the opposite end of said members, the pivotal point of said members being near said pipe-wrench jaws, an arcuate surface formed on the outer edge of one of said members near the nut-wrench jaws, and provided with notches on said surface, a bail pivotally secured to the other of said members at a point eccentric to said arcuate surface and extending thereover and having a plurality of notches formed on said bail and arranged to engage the notches on said arcuate surface, and a spring normally tending to separate said pipe and nut wrench jaws.

1,460,838. REFACING TOOL. ROSCOE BEAN, Berea, Ohio. Filed Oct. 7, 1920. Serial No. 415,371. 4 Claims. (Cl. 90—12.5.)



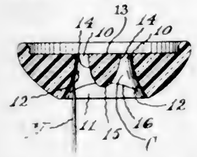
1. In a bearing surface reclaiming tool, a rotatable cutter carrier provided with a removable pilot or guide spindle, and a plurality of interchangeable multiple faced reversible cutters mounted thereon whereby the active cutting faces conjointly form cutting edges for rotation of the cutter carrier in either direction and clearance at the rear of the cutting edge being used.

1,460,839. TRAILER COUPLING. HARRY F. BIGGAM, Milwaukee, Wis., assignor to The Biggam Trailer Co., Milwaukee, Wis., a Corporation of Wisconsin. Original application filed Jan. 5, 1917, Serial No. 140,827. Divided and this application filed Apr. 9, 1921. Serial No. 460,015. 8 Claims. (Cl. 280—33.15.)



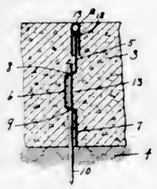
1. In a vehicle, the combination of a draw bar mounted to swing in a horizontal plane and having an open end, a coupling member detachably connected to the front end of the draw bar embodying a body portion, a horizontal pin at one end of the body portion and adapted to enter the open end of the draw bar, a vertical pin mounted in said coupling member, and a link connected to the vertical pin.

1,460,840. BUTTON. JOSEPH P. BOWLES, West New Brighton, N. Y. Filed Aug. 24, 1921. Serial No. 494,938. 4 Claims. (Cl. 24—90.)



1. A button comprising, a front side with thread holes therethrough, a rear side, an interior chamber having an outwardly flaring mouth on the rear side of the button with deflecting side faces extending into said chamber and merging in the thread holes, and a teat surrounded by said chamber having its base at the front side of the button and its stem extending into said chamber and having deflecting side faces terminating in a deflecting point; the thread holes being off-set radially from the base of said teat; the deflecting side faces of said bell mouth and chamber and the deflecting point and deflecting side faces of the teat serving to direct the needle to a thread hole.

1,460,841. CONTRACTION JOINT FOR ROADWAYS. BERNARD BRIODY, Chicago, Ill., assignor to Truscon Steel Company, Youngstown, Ohio, a Corporation of Michigan. Filed Aug. 7, 1922. Serial No. 580,299. 6 Claims. (Cl. 94—18.)

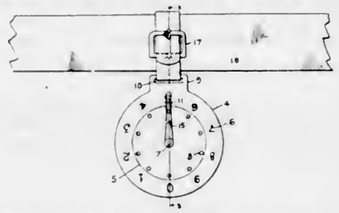


1. A dividing member for separating adjacent slabs of concrete roadways and the like consisting of a permanent strip extending upward from the lower face of the concrete roadway and a removable part extending from the upper surface of the roadway downward to the permanent part.

1,460,842. GOLF-STROKE COUNTER. HOWARD K. BROOKS, New York, N. Y. Filed Apr. 7, 1922. Serial No. 550,401. 1 Claim. (Cl. 235—121.)

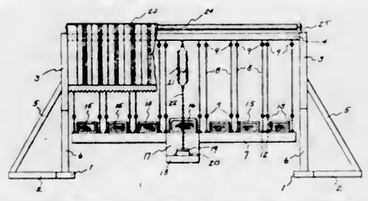
In a golf stroke counter the combination of a dial having a series of numbers arranged on the face and near the

edge thereof, and a hand pivotally mounted on the dial adapted to be moved into registration with any of the numbers on the face of the dial, said hand intermediate



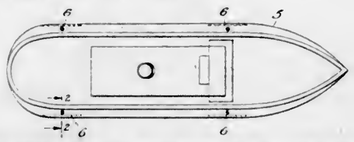
of its length having an upwardly bowed portion to facilitate the turning of said hand over the dial, said bowed portion constituting in effect a spring to maintain the free end of the hand in contact with the face of the dial.

1,460,843. SWING. JEREMIAH E. BROWN, Brooklyn, N. Y. Filed Apr. 28, 1922. Serial No. 557,207. 1 Claim. (Cl. 155—63.)



A portable swing comprising a pair of supports movable upon a foundation, said supports including rigid uprights, a beam fixed between said uprights, an open frame disposed longitudinally between said uprights, a plurality of linked rod connections between said frame and beam, seats interposed between adjacent pairs of said connections, a forwardly extending platform rigid with the center seat, a pedal hingedly engaged on said platform, flexible connections from the free end of said pedal to said beam, and springs interposed in the length of said flexible connections.

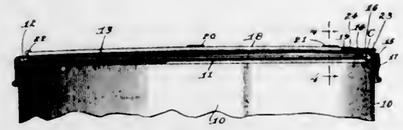
1,460,844. WAVE TURNER. FRANKLIN H. BULLIS, Brooklyn, N. Y. Filed May 1, 1922. Serial No. 557,650. 7 Claims. (Cl. 114—126.)



1. A wave turning apparatus of the class described comprising a wave turning element, means for movably mounting said element in connection with a ship or the like, and into operative and inoperative positions, said wave turning element being curved concavely upwardly and inwardly on the inner face thereof to turn waves produced by said ship inwardly in the direction of the ship.

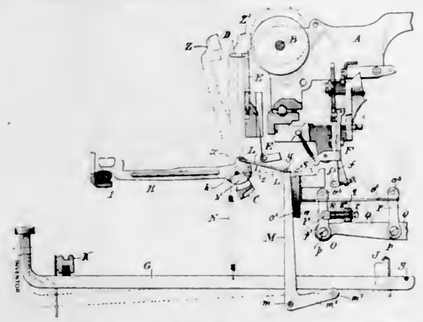
1,460,845. LOOSE COVER AND CUTTER FOR HERMETICALLY-SEALED TINS. HENRY HERMANI, Baltimore, Md., assignor to The Tin Decorating Company of Baltimore, Baltimore, Md., a Corporation of New Jersey. Filed July 14, 1922. Serial No. 574,924. 6 Claims. (Cl. 220—48.)

1. In combination, a loose or supplemental cover for hermetically sealed tins or cans, a cutter carried by the cover for removing or cutting away the sealed or tagger-tin top of the can when the cover is rotated on the same, and a handle carried by the cover normally lying in an inoperative position within the confines of the cover



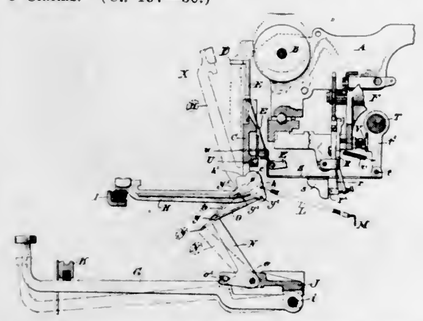
and movable from such position to an operative position with the handle extending beyond the periphery of the cover for being grasped to rotate the same.

1,460,846. TYPEWRITING MACHINE. EDWARD B. HESS, Manhattan Beach, N. Y., assignor to Royal Typewriter Company, Inc., New York, N. Y., a Corporation of New York. Filed Sept. 12, 1921. Serial No. 500,184. 6 Claims. (Cl. 197—30.)



1. In a typewriting machine, the combination with the key levers and type bars of levers in rear of the type bars which have arms operatively related with the key levers, and arms having their upper ends link-connected to the heels of the type bars above their pivots, the points of connection of each link with its type bar and associated lever arm being so related that a full depression of the key lever moves them into a straight line with the type bar pivot, the type bar then being at a considerable distance from the platen and completing its movement by its own momentum.

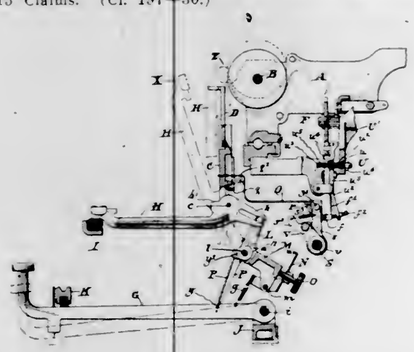
1,460,847. TYPEWRITING MACHINE. EDWARD B. HESS, Manhattan Beach, N. Y., assignor to Royal Typewriter Company, Inc., New York, N. Y., a Corporation of New York. Filed Sept. 20, 1921. Serial No. 501,893. 9 Claims. (Cl. 197—30.)



1. In a typewriting machine the combination with the key levers and type bars of levers interposed between the rear portions of the key levers and the rear portions

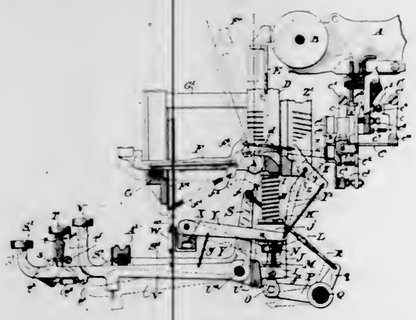
of the type bars which are operatively connected with the key levers and have link connections with the type bars in the rear of their pivots, the points of connections of each link with its type bar and interposed lever being so related that a full depression of the key lever moves them into a straight line with the type bar pivot, the type bar then being at a considerable distance from the platen and completing its movement by its own momentum.

1,460,848. TYPEWRITING MACHINE. EDWARD B. HESS, Manhattan Beach, N. Y., assignor to Royal Typewriter Company, Inc., New York, N. Y., a Corporation of New York. Filed Sept. 21, 1921. Serial No. 502,218. 15 Claims. (Cl. 197—30.)



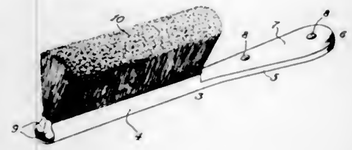
1. In a typewriting machine, the combination with the key levers and the type bars, of connections interposed between the rear portions of the key levers and the rear portions of the type bars, said connections each comprising a sub lever operatively connected with a rearwardly extending portion of the type bar, said sublever being mounted to move about an axis in the rear of the type bar pivot and having a toggle link connection with the rear portion of a key lever which is moved into toggle locking connection by the full depression of a key lever, the type bar then being at a distance from the platen and completing its movement by its own momentum.

1,460,849. TYPEWRITING MACHINE. EDWARD B. HESS, Manhattan Beach, N. Y., assignor to Royal Typewriter Company, Inc., New York, N. Y., a Corporation of New York. Filed Nov. 2, 1921. Serial No. 512,352. 12 Claims. (Cl. 197—30.)



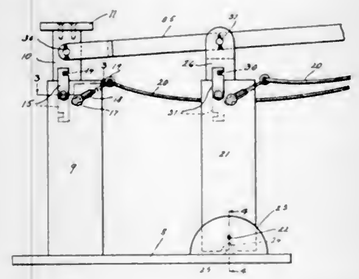
1. In a typewriting machine, the combination with the key levers and the type bars, of a vertically movable segment to which the type bars are pivoted, posts depending from the segment, brackets through which the posts extend, springs surrounding the posts for normally holding the segment in its upper position, nuts engaging the brackets for adjusting the tension of the springs and means for depressing the segment to its lower position.

1,460,850. BRUSH. ALEXANDER HOKANSON, Burnside, Conn., assignor to The Carling Tool & Machine Company, Hartford, Conn., a Corporation of Connecticut. Filed Dec. 17, 1921. Serial No. 523,159. 2 Claims. (Cl. 15—206.)



1. A holder for a brush including two concave members united with their edges in substantial coincidence to form a rounded handle, one of the members being extended beyond the handle portion and provided with lateral flanges for engaging a brush element of the character described, said flanges converging above a plane defined by the mating edges of the handle portion and then diverging to form convexly curved opposed surfaces for gripping the brush therebetween substantially in the manner set forth.

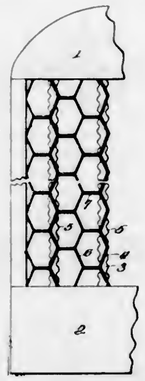
1,460,851. LIFTING JACK. JOSEPH KAUPERT, Chicago, Ill. Filed Sept. 24, 1921. Serial No. 502,934. 7 Claims. (Cl. 284—119.)



1. A device of the class described comprising a vertically movable lifting member; means for automatically locking said lifting member in various positions of vertical adjustment; a vertically movable fulcrum member; means for automatically locking said fulcrum member in various positions of vertical adjustment; and a lever pivotally connected with both members, substantially as described.

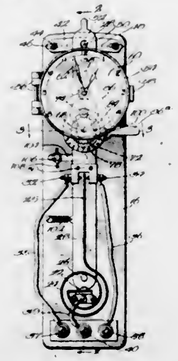
1,460,852. AUTOMOBILE RADIATOR. NATHAN KRAMER and BENJAMIN KRAMER, Trenton, N. J., assignors to Trenton Auto Radiator Works, Trenton, N. J., a Firm. Filed Sept. 18, 1917. Serial No. 191,961. 3 Claims. (Cl. 257—130.)

1. A radiator having upper and lower water chambers connected together by vertically disposed water passages formed of duplicate strips having corrugated central portions and zig-zag marginal edge portions, the central corrugations being greater in number than the zig-zag edge portions, said zig-zag edge portions being in contact with one another to form closures for the vertically disposed



water passages, said water passages being separated by fins forming horizontally disposed substantially hexagonal shaped air passages.

1,460,853. THERMOSTAT. WILLIAM A. LACKE, Chicago, Ill. Filed May 6, 1920. Serial No. 379,255. 4 Claims. (Cl. 236—47.)

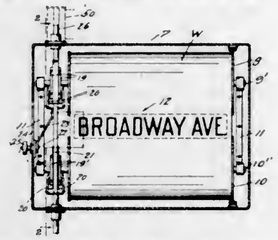


1. A thermostat including a thermally movable arm, a member adjustable to different normal operative positions with respect to said arm and having two movements in all said positions, contacts carried by said member and engageable by said arm, clock controlled mechanism for effecting said movements when the member is in any normal position, said mechanism including a cam operable to effect one of said movements, and means to maintain the movements of the member imparted by said cam equal in extent in all normal positions of the member.

1,460,854. STREET INDICATOR. ANNA LEBRETON and ERNEST TALBOT, Seattle, Wash. Filed Nov. 21, 1921. Serial No. 516,790. 3 Claims. (Cl. 40—47.)

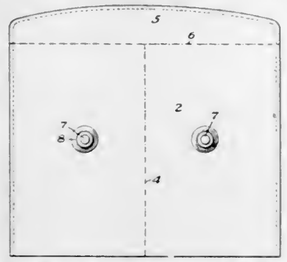
1. In a railway car, the combination with a web having street indicating names thereon, spools for said web, shafts for said spools, a reciprocatory rod, operative connections between said rod and the respective shafts and actuated by the alternate strokes of said rod for turning the spools in opposite rotary directions, and regulating devices to render said connections temporarily inoperative with respect to either of said spools selectively, of means

for effecting the reciprocation of said rod, said means comprising a frame secured to the car body and provided with a guideway, a bar movable axially in said guideway and arranged to normally support said rod, levers operatively connecting said bar to the rod, a lever provided on



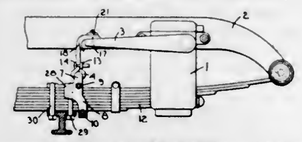
the railway track and arranged to be influenced by the car wheels whereby said last named lever is influenced to cause said bar to elevate the rod through the instrumentality of the first named levers, and a spring to return the bar and rod to their lowermost positions.

1,460,855. ANNEALING BOX. IRVIN F. LEHMAN, Pittsburgh, Pa., assignor to Blaw-Knox Company, Pittsburgh, Pa., a Corporation of New Jersey. Filed Dec. 4, 1920. Serial No. 428,265. 5 Claims. (Cl. 263—49.)



2. As a new article of manufacture, an annealing box comprising a sheet metal body, and a sheet metal top portion, said body and top portions being united by a continuous weld, the outer surface of which is substantially flush with the general surface of the box whereby the box is free from any external shoulder at the junction of the body and top, said body being formed from a single bent sheet or plate having its vertical edges brought together and united by a weld, the outer surface of which is also substantially flush with the general surface of the box, substantially as described.

1,460,856. SHOCK-ABSORBER CONNECTION. RALPH M. LOVEJOY, Meredith, N. H. Filed Feb. 11, 1920. Serial No. 357,996. 9 Claims. (Cl. 267—10.)



4. A connection for shock absorbers having force-resisting means including a pivotally mounted arm, a curved guide upon the free end of said arm, a flexible member, substantially cylindrical in form, presenting a loop adapted to embrace a part of the mechanism which is movable relatively to said shock absorber with the limbs of the loop of said flexible member passing over said guide and a clamping saddle formed to fit the limbs of said loop, securing the ends of said flexible member to said arm.

1,460,857. CURTAIN GLIDE. FRANK MCLESKY and WILLIAM P. W. JOHNSON, Chicago, Ill. Filed Oct. 31, 1921. Serial No. 511,552. 1 Claim. (Cl. 156—29.)

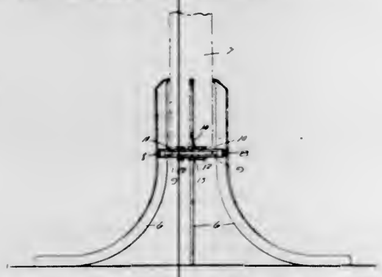


In combination with a shade having a roller provided with a circumferentially reduced portion at one end and the usual flat pin and pawls at the other end, a cup-shaped member glued over said reduced portion, a pin driven through said cup-shaped member and into said reduced end portion, and a cup-shaped member fastened over the opposite end of said roller and having an enlarged opening to receive said pin and pawls, said members being provided with radially extending flanges for guiding said shade.

1,460,858. BEETLING AND TREATMENT OF FABRICS. ROBERT W. R. MACKENZIE, Earlsholl, Fife, ERNEST H. ROBINSON, Perth, MORRIS FORT, Almondbank, and JAMES DAVID LUMSDEN, deceased, late of Almondbank, Scotland, by Susan A. R. F. Lumsden, Huntingtowerfield, Almondbank, Scotland; Robert W. R. Mackenzie, Earlsholl, Fife, Scotland; John G. Miller, Perth, Scotland; Robert O. Lumsden, Almondbank, Scotland; and Alexander P. Melville, Edinburgh, Scotland, executors of said James David Lumsden. Filed Dec. 28, 1920. Serial No. 433,745. 3 Claims. (Cl. 26—10.) (Granted under the provisions of the act of Mar. 3, 1921, 41 Stat. L., 1313.)

1. The process of beetling piece fabrics composed of vegetable fibres, which comprises treating the fabrics to remove the oil, fat, wax and resin content, and thereafter subjecting the fabrics to a beetling operation.

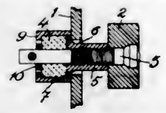
1,460,859. STAND OR HOLDER FOR CHRISTMAS TREES, FLOWERPOTS, ETC. MATHEW MAYER, Euclid, Ohio, assignor of one-half to Marie Mayer, Euclid, Ohio; I. R. Winsper administrator of the estates of said Mathew Mayer and Marie Mayer, both deceased. Filed Jan. 28, 1922, Serial No. 532,369. Renewed Jan. 8, 1923. 2 Claims. (Cl. 248—38.)



1. A stand comprising a triangular central plate, three legs and connecting members between the legs and the plate, said legs being pivoted to the connecting members by horizontal pivots, and two of said connecting members being pivoted to corresponding corners of the plate by vertical pivots, whereby the legs may be folded beside each other.

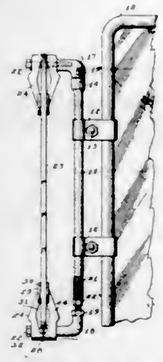
1,460,860. DEVICE FOR RESILIENTLY SUPPORTING TARGET DISKS AND THE LIKE. ARNOLD MICHOUD, Yverdon, Switzerland, assignor to Cibles Automatiques Michoud Société Anonyme, Neuchatel, Switzerland. Filed Mar. 31, 1923. Serial No. 628,996. 5 Claims. (Cl. 124—15.)

1. A device for resiliently supporting target disks and the like comprising a supporting member, a disk or disk sections, stay bolts on which said disk or disk sections are secured, the said stay bolts passing freely through said supporting member, and means associated with the



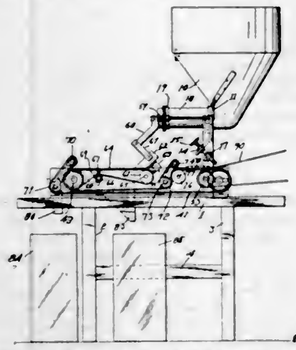
supporting member for yieldingly engaging the stay bolts to normally maintain the same and the disk or disks in position and when the disk or disks are struck to permit the stay bolts to move radially as well as axially.

1,460,861. ADJUSTABLE WING FOR WINDSHIELDS. FREDERICK L. MILLER, Des Moines, Iowa. Filed May 18, 1921. Serial No. 470,662. 2 Claims. (Cl. 296—84.)



1. In a device of the class described, a tube having one end serrated, a shaft slidably and rotatively mounted within said tube having its ends projecting beyond the ends of said tube, an elbow member on each end of said shaft, one end of one of said elbows being serrated to coact with the serrated end of said tube, a spring on the opposite end of said shaft between the corresponding ends of said tube and said elbow, a nut for adjusting said spring, a wing member and means for securing said wing member to said elbows, and means for clamping said tube to a support.

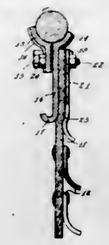
1,460,862. SORTING TABLE. GIORGIO PIERETTI, San Francisco, Calif. Filed Nov. 21, 1921. Serial No. 516,569. 3 Claims. (Cl. 198—33.)



1. A sorting table of the character described, comprising a pair of traveling belts running side by side, means

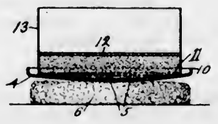
to deliver objects to one of said belts, means to reverse the position of the said objects and to deliver them to the other belt whereby both sides of a series of objects may be inspected at one place by the operator.

1,460,863. BEATER DEVICE FOR HOG-SCRAPING MACHINES. WILLIAM PRATT, Des Moines, Iowa. Filed Sept. 13, 1921. Serial No. 500,423. 6 Claims. (Cl. 17—11.)



1. The combination of a rotary shaft, a supporting bracket thereon provided with a series of radial supporting plates, a beater belt secured to the forward face of each of said supporting plates, an auxiliary plate adjacent to the forward face of said belt, means for securing said supporting plate, said belt and said auxiliary plates together, the last said plate being of a length slightly greater than the length of the first said plate and provided with a forwardly extending curved portion at its outer end.

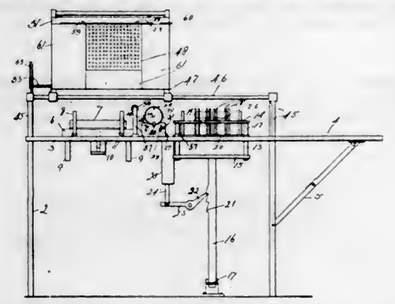
1,460,864. POWDER BOX. LE ROY ROOT, New York, N. Y., assignor to Scovill Manufacturing Company, a Corporation of Connecticut. Filed Feb. 28, 1922. Serial No. 539,918. 3 Claims. (Cl. 132—82.)



1. A vanity box for containing loose powder having a bottom compartment and a cover, a powder container positioned in the bottom of the box and bodily removable therefrom, said container comprising a flexible plate formed with a downwardly extending flange and having powder distributing orifices, a pocket open against the plate and secured to the plate under its outer edge the other end of the pocket being of flexible material and a thin disk closing the end of the pocket, the material of the pocket being removably inturned under the lower edge of the disk, and a spring arranged outside the container and bearing against the under side of the flange.

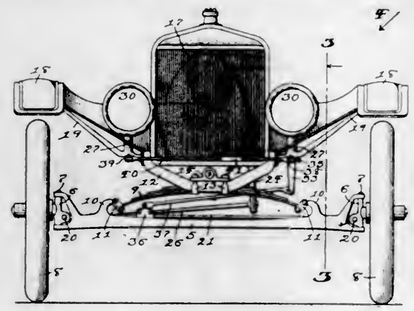
1,460,865. COLOR-CHIP-PASTING MACHINE. CLARENCE E. SHARP, Gibbsboro, N. J. Filed Apr. 14, 1922. Serial No. 552,560. 9 Claims. (Cl. 216—14.)

1. In a color chip pasting machine, a rotatable and slidable folder sheet holding means, means for applying an adhesive to said sheet in spots in different localities of the folder sheet during the sliding movement of said holding means in one direction and means for supporting



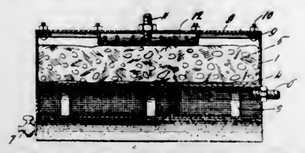
color chips in stacks, and means for elevating said chips to cause them to contact with the folder sheet in the regions of the adhesive thereon.

1,460,866. DIRIGIBLE LIGHT FOR AUTOMOBILES. WILLIAM E. STONE, Oklahoma, Okla. Filed Mar. 7, 1921. Serial No. 450,262. 1 Claim. (Cl. 240—62.)



In a dirigible light mechanism for automobiles, a vehicle body, fenders, upwardly inclined fender-supporting arms attached to the front ends of the side rails of said body and each provided with a vertical tubular standard extended tightly through the adjacent fender above its supporting arm and connecting said arm, fender and side rails solidly together, a vertical shaft journaled through each standard and having curved upper end, a spider on the end of said curved portion, a crank on the lower end of each of said shafts, a tie rod and arms connecting the knuckles of the steering mechanism, a rod connecting the rear ends of said cranks, and a steering rod for actuating said tie rod.

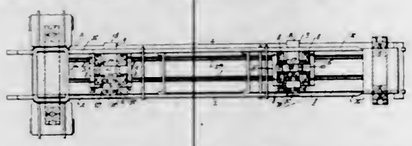
1,460,867. GASOLINE FILTER. WILLIAM C. STROWBRIDGE, Hartford City, Ind., assignor of one-half to L. E. Werry, Hartford, Ind. Filed Jan. 19, 1921. Serial No. 438,401. 1 Claim. (Cl. 210—164.)



In a filter, a hollow body, a series of spaced semicircular staves situated in the hollow body, a foraminous partition supported on said staves so as to divide the hollow body into an upper and a lower chamber, a sponge

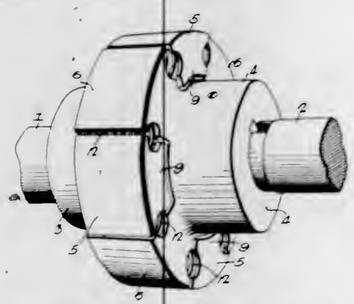
or other absorbent material situated in the upper chamber, a distributer situated in the upper chamber, said upper chamber provided with an inlet and said lower chamber provided with an outlet.

1,460,868. JIG FOR ASSEMBLING LOCOMOTIVE FRAMES. JOHN P. STEES, Wallingford, and Harmon E. Stover, Philadelphia, Pa. Filed July 26, 1922. Serial No. 577,617. 7 Claims. (Cl. 29—89.)



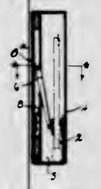
1. The combination in a jig, of a foundation plate; a saddle structure consisting of a base plate and two sections secured thereto, each section having a bracket to support a frame of a locomotive; spacing plates between the sections of the saddle; and bolts connecting the sections.

1,460,869. FLEXIBLE COUPLING. JOSEPH W. THROPP, Trenton, N. J. Filed Dec. 12, 1921. Serial No. 521,854. 3 Claims. (Cl. 64—96.)



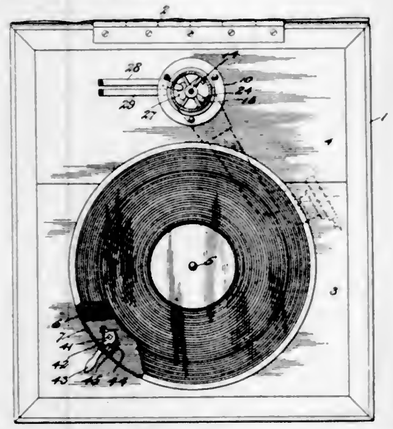
1. The combination in a flexible coupling, of two hubs, each having a series of jaws, the jaws of one hub alternating with those of the other hub, the bearing faces of each jaw having longitudinal recesses therein; coiled springs located in the recesses between the jaws; removably positioned means for retaining the springs in the recesses, the longitudinal center of the spring being so related to the center line of the coupling that the springs, when pressure is applied, will be compressed on lines at right angles to the longitudinal line of the springs.

1,460,870. SELF-IGNITING-MATCH CONTAINER. JENNY TIMMEL, Ridgefield, N. J. Filed May 3, 1922. Serial No. 558,141. 2 Claims. (Cl. 206—32.)



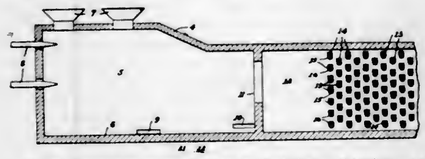
1. A device of the class described comprising a hollow back member having its lower edge bent into substantially the form of a U in cross-section, so as to provide a match-holding compartment, said compartment being insertable into a match safe, a substantially wedge-shaped tongue having an exposed, roughened edge, said tongue being secured to said lower edge of the back member, and resilient means in the hollow back for normally urging said matches against said roughened edge.

1,460,871. AUTOMATIC STOP FOR PHONOGRAPHS. GEORGE C. TROTTER, Chicago, Ill., assignor to Plymouth Phonograph Parts Co., Plymouth, Wis., a Corporation of Wisconsin. Filed Oct. 20, 1919. Serial No. 332,032. 14 Claims. (Cl. 192—123.)



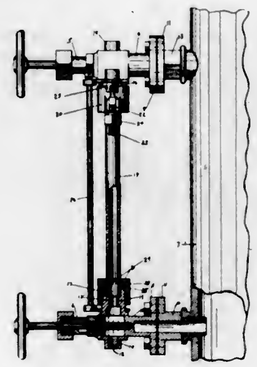
1. In a phonograph, the combination of a rotary record-supporting means, a brake adapted when released to automatically brake upon and arrest the movement of said record-supporting means, an electro-magnet, the armature of which when deenergized engages the brake and holds it in its inoperative position, a source of electrical supply, a swiveled tone-arm, a contact below and insulated therefrom, a contact carried by and within the tone-arm and adapted to contact with the first mentioned contact when the tone-arm is at a certain point of its travel, and electrical connections between the electrical supply, the electro-magnet and the two contacts, whereby when the circuit is completed by the contacts the electro-magnet is energized and its armature magnetized to release the said brake.

1,460,872. SYSTEM FOR COOLING FLUE GASES. HOWARD H. UTLEY, Florence, Colo., assignor to River Smelting & Refining Company, St. Louis, Mo., a Corporation of Maine. Filed Jan. 6, 1921. Serial No. 435,413. 8 Claims. (Cl. 266—15.)



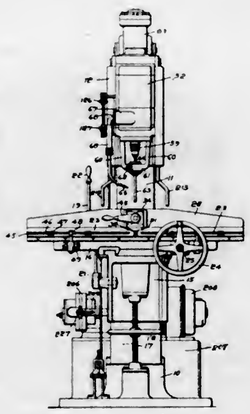
1. In a furnace comprising a heating chamber and a flue leading therefrom, a cooling system for said flue comprising a plurality of separate cooling units, a supply of cooling medium and an overflow for said units, and means whereby said units are permitted to expand and contract and are capable of being moved bodily without interrupting the flow of cooling medium to and from the same, each unit consisting of a cylindrical shell closed at its ends and a pipe connected to said supply and extending through one end of said shell and terminating therein close to the other end thereof.

1,460,873. FLUID GAUGE. WALTER G. WERBECK, deceased, late of Chicago, Ill., by Carl W. Hagemann, administrator, Chicago, Ill., assignor to S. S. P. Manufacturing Co., Chicago, Ill. Filed Mar. 26, 1921. Serial No. 455,909. 10 Claims. (Cl. 73—54.)



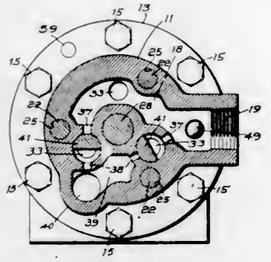
1. In a fluid gauge, the combination with a pair of oppositely disposed valve casings having centrally aligned bores; a removable transparent tube arranged to engage said bores; movable packing boxes associated with said valve casings; and means pivotally mounted on said valve casings for engagement with said packing boxes for holding said boxes in operative position.

1,460,874. WOODCUTTING MACHINE. ALPHONZO WHITE, Winchendon, Mass., assignor to Baxter D. Whitney & Son, Inc., Winchendon, Mass., a Corporation of Massachusetts. Filed Sept. 6, 1921. Serial No. 498,811. 34 Claims. (Cl. 144—78.)



1. In a wood working machine for operating a bit and hollow mortising chisel, in combination, means for non-rotatably supporting a hollow mortising chisel, means for rotating a bit within the hollow chisel, and hydraulically operated means for exerting a predetermined feeding pressure upon the bit and chisel so that if either the bit or chisel strikes a hard spot in the work the feeding movement of both will be arrested.

1,460,875. ROTARY GEAR PUMP. ALPHONZO WHITE, Winchendon, Mass., assignor to Baxter D. Whitney & Son, Inc., Winchendon, Mass., a Corporation of Massachusetts. Filed Sept. 27, 1921. Serial No. 503,554. 9 Claims. (Cl. 103—126.)

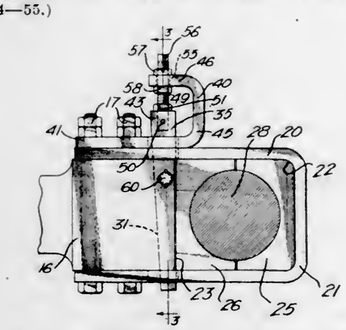


5. In a rotary gear pump, in combination, a casing having a high pressure chamber, a plurality of gears for forcing liquid into said chamber, means for supplying liquid to the low pressure side of said gears, means for rotating said gears, communications between the high pressure chamber and the respective gears, an adjustable relief valve for controlling the maximum pressure in the high pressure chamber, and valves operable selectively to close one or more of said communications and by-pass the liquid back to the liquid supply means without being subjected to the pressure of the high pressure chamber.

1,460,876. PROCESS FOR THE MANUFACTURE OF KETONES. ROBERT R. WILLIAMS, Chicago, Ill., and DONALD H. WHITE, Berlin, N. H., assignors, by mesne assignments, to Seth B. Hunt, trustee, Mount Kisco, N. Y. Filed Apr. 3, 1919. Serial No. 287,285. 7 Claims. (Cl. 260—134.)

1. A process for the manufacture of ketones, which process consists in subjecting vapors of secondary alcohols to the action of brass heated to temperatures ranging from 500° C. to 800° C.

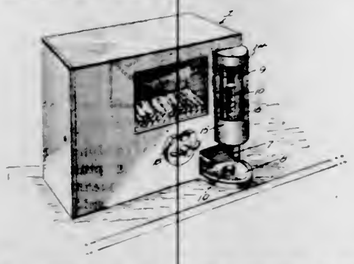
1,460,877. KEY ADJUSTER FOR CONNECTING-ROD BEARINGS. VICTOR YORK, Los Angeles, Calif. Filed Aug. 28, 1922. Serial No. 584,920. 3 Claims. (Cl. 64—55.)



1. In an adjustable bearing of the class described, the combination of: a body forming a head; a strap so bent that the ends thereof fit over said head; bolts securing said strap to said head in a position providing a space between said strap and said head; bearing blocks in said space; a tapered key operating between said head and the innermost of said blocks for forcing said blocks together, said key extending through an opening in said strap; a bracket secured against said strap by said bolts, said bracket extending outwardly along said strap,

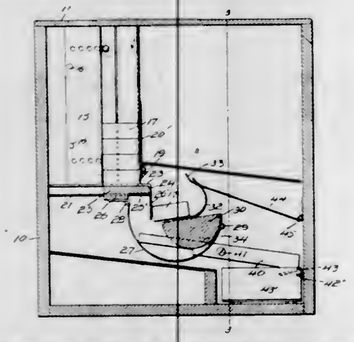
there being an opening in said bracket through which said key may extend, the outer end of said bracket being bent back over the end of said key and having a hole therein; a screw extending from the end of said key and passing through said hole in said bracket; and an adjustment nut upon said screw on each side of said over-extending end of said bracket, for adjusting the position of said screw relative to said bracket.

1,460,878. COIN-CHANGING MECHANISM. DAVID ALLEN, New York, N. Y. Filed Dec. 6, 1921. Serial No. 520,304. 2 Claims. (Cl. 133—5.)



1. The combination of a movable member, a lever, a change container having separate packages of coins stacked therein and provided with a discharge opening, a coin ejector pivoted intermediately of the ends, one end movable through said opening and a link connected with the other end of said lever and positioned in the path of said movable member whereby when said member is actuated in one direction, said lever will be swung to eject a coin.

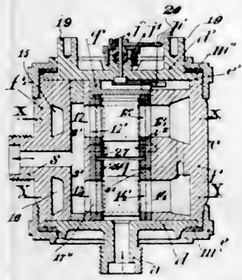
1,460,879. VENDING MACHINE. DAVID ALLEN, New York, N. Y. Filed Aug. 19, 1922. Serial No. 582,965. 13 Claims. (Cl. 211—8.)



1. A vending machine comprising a delivery mechanism including a rotatable support provided with a curved element for receiving, supporting and delivering an article of merchandise during the delivery operation of said mechanism, and a pivoted stop element extended over said element and deflected to an inoperative position by the article carried by said element and further automatically movable to operative position to engage and arrest the operation of said support when said element is in normal position and empty.

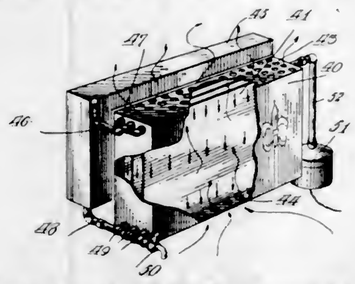
2. A vending machine comprising an article delivery mechanism including a rotatable member provided with a retaining element for receiving, supporting and delivering an article of merchandise during the operation of said mechanism, and a pivoted stop bar, the pivot for said bar being disposed at one end thereof and said bar extending transversely of said element and deflected to inoperative position with respect to said member by the article carried by and to be delivered from said member, the free end of said bar automatically movable to engage said member when said element is in normal position and empty of an article of merchandise thereby arresting the operation of said mechanism.

1,460,880. WATER METER. BENJAMIN ADOLPHE ARNAUD, Lyon, France, assignor to Société Lyonnaise De Compteurs D'Eau, Lyon, France. Filed Aug. 31, 1920. Serial No. 407,090. 1 Claim. (Cl. 73—28.)



A volumetric meter for liquids comprising a cylindrical casing, an inlet tube and an outlet tube for the liquid connected to said casing, two members each having the shape of a sector of a cylinder and comprising passages and channels for the flow of the liquid, fitted closely in said casing while leaving a cylindrical space between them co-axial with said casing, a sleeve provided with longitudinal openings and transverse apertures mounted centrally in said casing valves carried by said sleeve, plates adapted to be oscillated by the movement of the liquid, tappets carried by said valves and actuated by said plates to oscillate said valves, and lever mechanism actuated by one of said plates.

1,460,881. RADIATOR. PIERRE J. H. BERNARD, Montreal, Quebec, Canada. Filed Aug. 22, 1921. Serial No. 494,202. 3 Claims. (Cl. 257—141.)

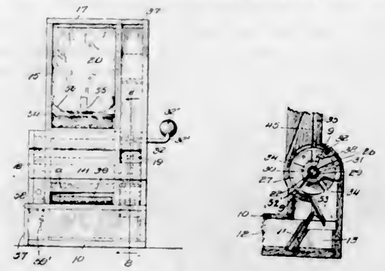


3. The herein described radiator comprising a rectangular casing, hollow partitions within said casing, means for circulating hot water therethrough, the top and bottom ends of the casing having perforations therein providing air passages between the partitions of the casing, and a water supply tank for supplying water to the hollow partitions of the casing.

1,460,882. VENDING MACHINE. WILLIAM BETTS, Johnson City, N. Y. Filed Dec. 9, 1921. Serial No. 521,142. 2 Claims. (Cl. 133—1.)

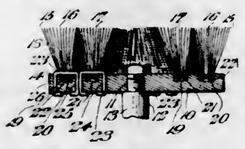
1. In a vending mechanism, a receptacle provided with a partition forming a pair of coin receiving compartments, a spring controlled element pivotally connected

to said partition and normally positioned to deposit coins into one of said compartments during a predetermined number of operations of the vending mechanism of the machine, and means engaging with said ele-



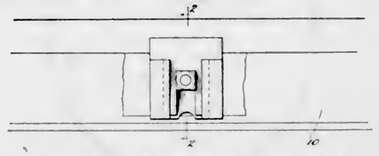
ment for shifting the same from normal position to cause the depositing of a single coin into the other of said compartments after each predetermined number of operations of said delivery mechanism.

1,460,883. ROTARY BRUSH. SAMUEL C. BOUGHER, Philadelphia, Pa. Filed Mar. 13, 1922. Serial No. 543,185. 2 Claims. (Cl. 15—180.)



1. As a new article of manufacture, a base having a plurality of concentrically arranged grooves and sets of through openings, the openings of each set being spaced by said grooves, brush units comprising circularly formed twisted body wires carrying projecting metal brush strands, said units seating respectively in said grooves, and fastening staples passing through said through openings to clamp said units to said base.

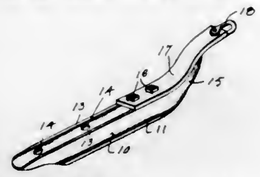
1,460,884. NUT LOCK. OCTAVE JOHN BOUTTE, Beaumont, Tex., assignor of one-half to John D. McCall, Beaumont, Tex. Filed Apr. 12, 1922. Serial No. 551,948. 4 Claims. (Cl. 151—62.)



1. A nut lock comprising a base having an aperture for a bolt, parallel flanges on the base and a slide having finger elements engaging with said flanges on both sides thereof, a recess being formed between said elements corresponding to the width of the nut to be locked.

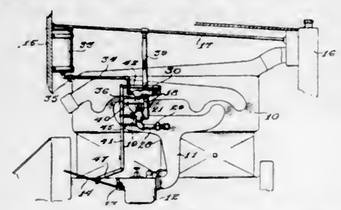
1,460,885. MINE-CAR SKID. THOMAS L. CAMPBELL, Berlin, Pa. Filed Aug. 4, 1920. Serial No. 401,159. 1 Claim. (Cl. 188—36.)

A skid for insertion intermediate a car wheel and track having its upper surface substantially parallel with the tread of the track, a tongue integral with the skid and extending upwardly and above said surface at the forward end of the skid, an attaching strip member on said skid in contact with the upper surface of said tongue and extending rearwardly to said surface, and the rear end of the strip terminating in ad-



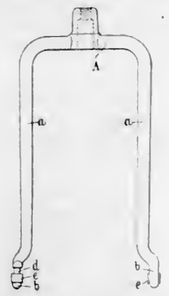
vance of the rear end of the skid and constituting an abutment rising from said surface and in the path of travel of the car wheel.

1,460,886. PRIMING DEVICE FOR INTERNAL-COMBUSTION ENGINES. CHARLES E. CHAPMAN, Fort Edward, N. Y., assignor of one-half to Joseph Goodfellow, Fort Edward, N. Y. Filed July 8, 1922. Serial No. 573,641. 13 Claims. (Cl. 123—180.)



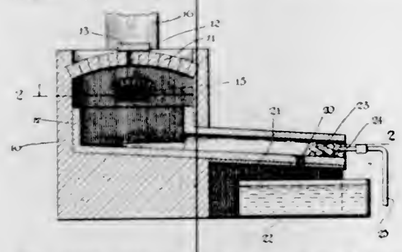
1. A priming device for internal combustion engines including a body bar, a fuel valve carried by said bar and provided with a depending drip nozzle, a throttle valve upon the bar provided with an upstanding mixing tube having its upper end disposed to receive fuel dripping from said nozzle, an arm extending from the bar, a lever pivoted upon said arm, and links extending between the lever and said valves, the lever being operable for simultaneously opening or closing the valves.

1,460,887. FLIER FOR SPINNING, TWISTING, DOUBLING, AND ANALOGOUS MACHINES. PERCY CLOUGH, Keighley, England. Filed Aug. 14, 1922. Serial No. 581,713. 3 Claims. (Cl. 118—57.)



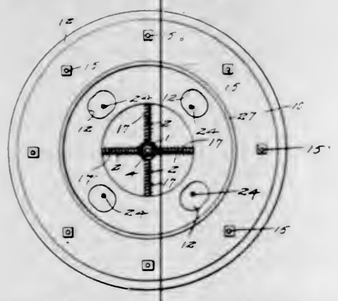
1. A flier for a spinning, twisting, doubling and analogous machine, comprising a horizontal member for attachment to a spindle, two legs depending from said horizontal member, a gapped ring at the foot of each leg for the reception of thread to be laid on to a bobbin, each gapped ring being offset from the vertical plane of each leg, and movable means on each gapped ring to trap the thread therein to impede same from escaping accidentally therefrom.

1,460,888. METHOD OF CONTINUOUSLY MELTING VITREOUS ENAMELS. FREDERICK D. COOK, Fairmont, W. Va. Filed Dec. 10, 1920. Serial No. 429,658. 3 Claims. (Cl. 49—77.)



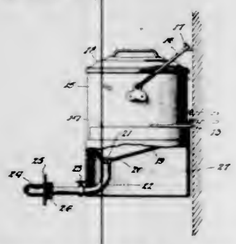
1. The herein described method of forming vitreous enamels which consists in utilizing a melting chamber formed to prevent collection of melted enamel in a pool and permit the enamel to run continuously from the chamber as it melts, in continuously withdrawing and quenching the melted enamel and in controlling the temperature of the enamel during its withdrawal and prior to quenching.

1,460,889. SPRING WHEEL. WILLIAM E. CRAWFORD, Havre, Mont. Filed Jan. 11, 1923. Serial No. 612,061. 5 Claims. (Cl. 152—45.)



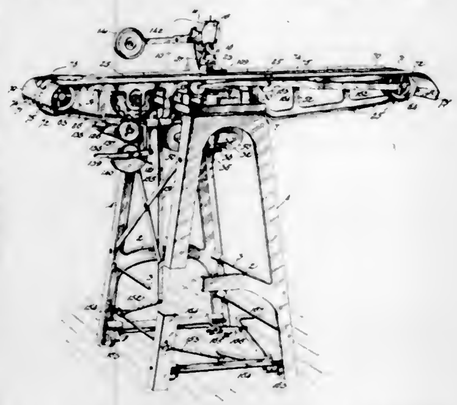
1. A spring wheel comprising main side discs or plates having central openings, a hub positioned in said central openings, spokes carried by said hub, blocks slidably mounted on said spokes, means to resiliently retain said blocks in normal position upon said spokes, means carried by the discs to resiliently retain said blocks in central position, and side central closing plates mounted on said hub and secured against said first mentioned central plates.

1,460,890. CALF FEEDER. JERE L. CROOK, Jr., Jackson, Tenn. Filed Aug. 24, 1921. Serial No. 494,910. 1 Claim. (Cl. 119—17.)



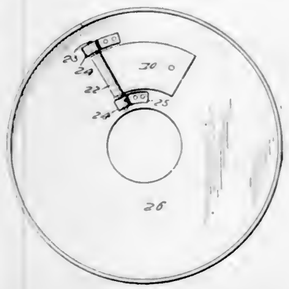
An animal feeder comprising a container having a dished bottom and an annular wall depending around the said bottom, a feeding tube leading from the low point of the said dished bottom through the said depending wall, a nipple carried by the outer end of said feeding tube, a guard disk fitted around the said nipple, and a cut-off in the feeding tube.

1,460,891. SEWING MACHINE. ALBERT H. DE VOE, Westfield, N. J., assignor to The Singer Manufacturing Company, a Corporation of New Jersey. Filed June 22, 1918. Serial No. 241,371. 56 Claims. (Cl. 112—2.)



8. In a machine of the class described, in combination, stitch-forming mechanism, step-by-step feeding mechanism, endless fabric stretching and holding mechanism, and of shear trimming mechanism having pairs of movable and stationary blades, each pair of cooperating blades being supported and actuated from opposite sides of the work, and means for actuating the movable blades including rock-shafts extending transversely of the plane in which the work advances.

1,460,892. AUTOMOBILE BRAKE. NEWTON C. DIVELBISS, San Francisco, Calif. Filed Mar. 1, 1920. Serial No. 362,450. 3 Claims. (Cl. 188—30.)

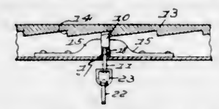


1. A vehicle brake having a hub plate provided with an annular series of serrations consisting of alternate beveled and offset faces arranged on radial lines, a pivotal tongue of segmental form provided with a radial terminal for contact with said beveled faces and engaged with said shoulders, and means for actuating the tongue.

1,460,893. AUTOMOBILE BRAKE. NEWTON C. DIVELBISS, San Leandro, Calif. Filed Oct. 18, 1920. Serial No. 417,557. 1 Claim. (Cl. 188—30.)

A vehicle brake having a hub plate provided with an annular series of ratchet teeth, a housing enclosing the hub plate and provided with guides having parallel faces

disposed perpendicular to the plane of the housing, a dog reciprocably mounted between said guide faces for movement toward and from the plane of the ratchet teeth, a



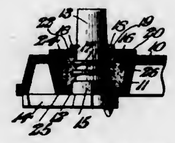
spring for yieldingly impelling the dog toward the plane of said ratchet teeth, and operating means connected with the dog for withdrawing the same in opposition to its actuating spring out of engagement with the ratchet teeth.

1,460,894. CASING CUTTER. ARTHUR DIX, Taft, Calif. Filed July 12, 1921. Serial No. 484,031. 9 Claims. (Cl. 81—195.)



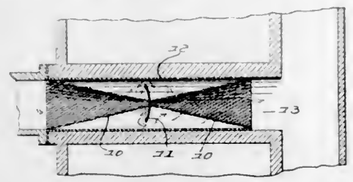
1. A casing cutter comprising a trip spear; a pull rod slidably extending through said spear; a plurality of slips mounted on said spear; teeth formed on the outer face of said slips arranged to engage the inner face of the casing; teeth on the inner face of each slip; upper dogs mounted in said spear arranged to engage the teeth on the inside of said slips; means for elastically holding such dogs in engagement with the teeth; a ring on said spear engaging the under face of said slips; a coiled spring under said ring arranged to elastically hold said ring in engagement with said slips; a plurality of lower dogs in said spear engaging the upper face of said ring; means for elastically holding said lower dogs in engagement with said ring; a plurality of latch bars slidably mounted in said spear; means on each latch bar for simultaneously detracting its associated upper and lower dogs; means on said pull rod for operating said latch bars; a plurality of cutting blades and means operated by said pull rod for operating said blades.

1,460,895. BATTERY TERMINAL. LEON A. DOUGHTY, Glenside, and FRANK S. CARLILE, Philadelphia, Pa. Filed Nov. 12, 1921. Serial No. 514,642. 2 Claims. (Cl. 204—29.)



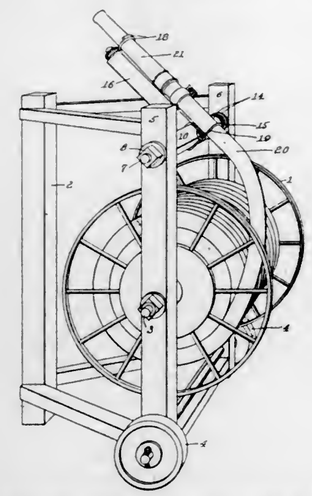
2. In a battery terminal, a battery strap, a post integral therewith, projecting lugs on said post having inclined lower surfaces respectively, a washer arranged to fit over said post and having openings to respectively receive said lugs, said washer seating upon a coacting part in such a position as to cause said lugs to engage the top surface of said washer when said washer is turned to thereby exert a clamping action, and a sealing compound about said post and compressed by said washer.

1,460,896. GAS BREAKER. JAMES JAY FREEMAN, Bradford, Pa. Filed Jan. 27, 1922. Serial No. 532,174. 4 Claims. (Cl. 48—180.)



4. A gas breaker for internal combustion engines, adapted for arrangement in the feed line or path of fuel from the source to the cylinders, which consists of reversely disposed conical gauze screens arranged in axially aligned relation with their apexes in juxtaposition, and a baffling disk arranged in transverse relation to the axes of the screens and adjacent to the apexes thereof and having a concaved face directed in opposition to the path of fuel.

1,460,897. HOSE REEL. FRANK L. GREENLAW, Los Angeles, Calif. Filed Aug. 21, 1922. Serial No. 583,417. 4 Claims. (Cl. 242—86.)

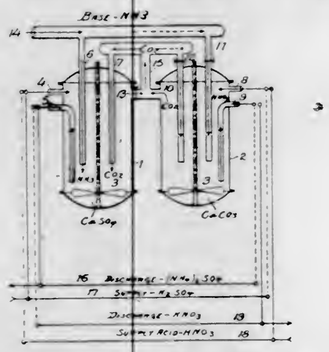


3. A hose reel comprising a frame having a reel revolubly mounted thereon; an arm pivoted upon said frame and adapted to swing in a vertical plane, said arm having means for attaching a nozzle thereto; and means consisting of engaged serrated surfaces for variably adjusting the angular position of said arm.

1,460,898. PROCESS OF MAKING NITRATES. HEINRICH HAMPEL, Halle, Germany. Filed Apr. 7, 1921. Serial No. 459,203. 11 Claims. (Cl. 23—13.)

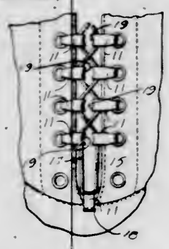
1. A cyclic process which comprises reacting on a soluble salt of a strong acid with a reagent comprising a

soluble salt of a weaker acid having a different base, and forming a difficultly soluble salt of the stronger acid containing the base of the weaker acid salt and a soluble salt of the weaker acid with the base of the stronger



acid salt, and converting the difficultly soluble salt of the stronger acid combined with the base of the weaker acid salt into the original reagent for reaction on a fresh quantity of strong acid salt.

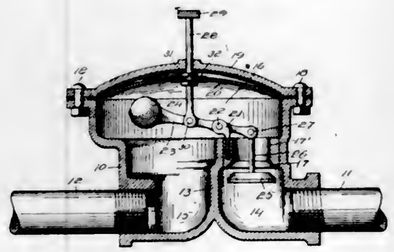
1,460,899. LACE EYELET. JOHN T. HARPER, Leoti, Kans. Filed July 20, 1921. Serial No. 486,151. 1 Claim. (Cl. 24—145.)



A lacing eyelet consisting of a blank formed into substantially parallel spaced arms, one of the arms adjacent its free end having a slot therethrough, the other arm opposite said slot being reduced in width, a relatively narrow tongue extending from the reduced portion and adapted for passage through said slot, that portion of the tongue lying between said reduced portion and slot when the eyelet is fastened in position being disposed through an article to secure the eyelet in place, the lace being disposable intermediate said arm and said tongue and the bridge connecting the arm, the lace being adapted to directly contact with the inner surface of said bridge, and said bridge being curved whereby its inner surface will be convexed.

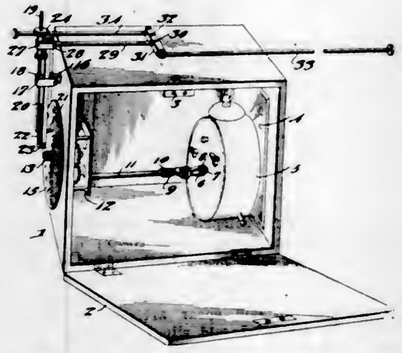
1,460,900. AUTOMATIC PRESSURE VALVE. JOSEPH G. HARRIS and GEORGE D. JAQUETT, Jacksonville, Fla. Filed Apr. 18, 1922. Serial No. 554,645. 1 Claim. (Cl. 67—115.)

An automatic gas shut-off comprising a casing provided with a partition to form an inlet, an outlet and a diaphragm chamber, the latter being arranged over said inlet and outlet chambers and permanently communicating with the outlet chamber, a diaphragm secured with said casing and extending across the diaphragm chamber, a hollow cylindrical member secured in the upper portion of said inlet chamber and having its lower end constituting a valve seat, a supporting element secured in the top of and having its upper end offset with respect to said member, a lever eccentrically pivoted to the upper end of said element and arranged over said inlet and outlet chambers, a valve stem extending through said member and having its upper end pivotally connected to one end of said lever and its lower end provided with a valve cooperating with said seat for opening and closing said inlet chamber with



respect to said diaphragm chamber, a counter-weight secured to the other end of said lever, and a vertically disposed push rod pivotally connected to said lever between its pivot and said seat and further connected to said diaphragm and extended from said casing.

1,460,901. WATCHMAN'S RECORDING MECHANISM. HARRY S. HART, Shreveport, La. Filed June 13, 1921. Serial No. 477,209. 1 Claim. (Cl. 234—40.)

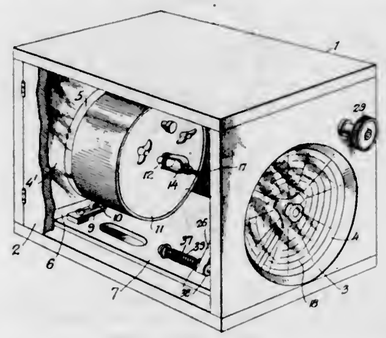


A mechanism of the character described, consisting of a case, a clock disposed in one end of said case and having its dial visible from the outside, a separate recording dial arranged in the other end of said case and connected to move with the shaft of said clock, an adjustable indicating means secured to said case and operated manually to record the day, hour and minute on said recording dial, said means consisting of a rock lever pivoted to the case, operating rods extending in opposite directions from the outer ends of said lever, a third rod connected to the said lever and extending inward to move said rock lever, a rocking frame connected with said rod, a slotted depending arm, an adjustable indicator mounted in said rocking frame and having an indenting device passing through said slotted arm to indicate upon the recording dial when moved inward by action of said rocking frame.

1,460,902. WATCHMAN'S RECORDING MECHANISM. HARRY S. HART, Shreveport, La. Filed Mar. 13, 1922. Serial No. 543,380. 2 Claims. (Cl. 234—40.)

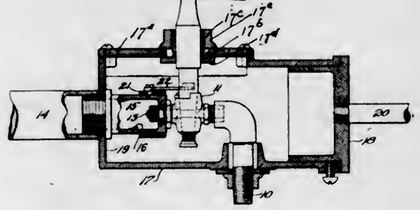
1. A recording mechanism, consisting of a casing, a time piece disposed in one end of said casing, a record dial arranged in the other end of said casing, a connection between said time piece and record dial, a shaft mounted in said casing, a trip device carried by said

shaft, a rock lever having an upper bent arm, an intermediate frame, and a pair of spaced lower arms, said upper bent end adapted to be engaged by said trip device to rock said lever, a marking device carried by the spaced arms of said rock lever to indent the said record sheet,



said marking device being adjustable in the spaced arms of the rock lever, an arm forming a backing to receive the impact of the marking device, and spring means to actuate the rock lever and to retain the marking device and arm in proper relation.

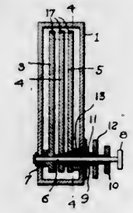
1,460,903. INDUCTOR FOR GAS BURNERS. CARL F. HAUSSLER and NICHOLAS W. PARK, Providence, R. I., assignors to The General Fire Extinguisher Company, Providence, R. I., a Corporation of New York. Filed May 8, 1920. Serial No. 379,747. 8 Claims. (Cl. 158—119.)



8. An inductor comprising a chamber and means for admitting compressed air thereto; a gas pipe entering the chamber and forming a conduit therein for gas; a tube having a portion within the chamber, closed except for admission openings for said gas from the conduit and for said air within the chamber, and leading out from the chamber to conduct away the mixed gas and air; a cock in the gas pipe within the chamber; a movable plate comprising a part of the chamber wall through which the stem of the gas cock protrudes; a cylindrical bearing for the stem, surrounding the stem and secured to said plate, preventing air leakage from the chamber; and a movable part on the tube adapted to close the air passage from the chamber into the tube and operatively connected with said gas cock within the chamber.

1,460,904. AUTOMOBILE SIGNAL. JOHN E. HILL, West Somerville, Mass., assignor of one-half to John M. Cummings, Stoneham, Mass. Filed Aug. 2, 1921. Serial No. 489,159. 1 Claim. (Cl. 116—53.)

In an automobile signal, the combination with a housing adapted to be secured to an automobile, of a shaft journalled in said housing near its lower end and projecting beyond the same, a signal arm fast on said shaft, a sleeve surrounding said shaft and also projecting beyond the housing, a second signal arm fast on said sleeve, a second sleeve surrounding the first named sleeve and also projecting beyond the housing, a third signal arm fast on said second sleeve, said shaft and said sleeves each having a hand wheel fast on the projecting



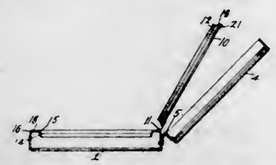
portion thereof, by which the signal arms may be swung from a vertical concealed position downwardly into a horizontal display position, said signal arms having different colors, and a stepped rest for said signal arms when in display position, which is constructed to hold each arm at a slightly different angle from the other signal arms whereby two-color signals may be given.

1,460,905. FISH BAIT OR LURE. LEVIN B. HUNTINGTON, Annapolis, Md. Filed Dec. 21, 1921. Serial No. 523,893. 4 Claims. (Cl. 43—45.)



1. In a device as characterized, the combination of an elongated plate of concavo-convex form, both longitudinally and transversely, and having a broad portion disposed inwardly from a pointed front end portion and a rear portion tapering rearwardly from the broad portion, the longitudinal curvature of the plate gradually increasing in sharpness rearwardly from the broad portion throughout the major length of the rearwardly tapered portion, and rapidly increasing in sharpness at the extreme end of the tapered portion, whereby its motion in use simulates the erratic and irregular movements of a crippled fish, and a hook having its shank portion arranged against the lower face of said plate at the longitudinal center thereof, said shank extended up through said plate at two points and overlapping the upper face of the plate.

1,460,906. VANITY BOX. BURDON P. HYDE, Waterbury, Conn., assignor to Scovill Manufacturing Company, Waterbury, Conn., a Corporation of Connecticut. Filed Feb. 5, 1923. Serial No. 616,889. 5 Claims. (Cl. 132—83.)



5. A loose powder box having a powder compartment, a ring having a flange tightly engaging the walls of the

compartment, a rim on the ring, the edge of the rim being bevelled and terminating in a downwardly extending flange, and a lid having a bevelled edge and flange extending downwardly therefrom co-operating with the ring to form a powder tight joint.

1,460,907. GOVERNOR. HARRY H. IDE, La Grange, Ill., assignor to Kellogg Switchboard and Supply Company, Chicago, Ill., a Corporation of Illinois. Filed Aug. 25, 1920. Serial No. 405,980. 13 Claims. (Cl. 188—184.)



1. A device of the character described including a circular drum, an orifice through said circular drum, a rotatable shaft extending through said orifice, a mounting member secured to said shaft, a pair of semicircular weighted members pivotally secured to said mounting member encircling said drum and having their extremities in engagement while they are quiescent, a spring secured to said mounting member having its free extremities normally in engagement with said semi-circular weighted members, said spring being adapted to be rotated relative to said mounting member to adjustably increase or decrease its action upon said weighted members.

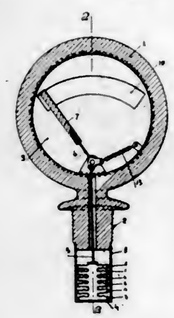
1,460,908. COIN-BANK REGISTER. JOSEPH BAKER INGALLS, Chicago, Ill. Filed Dec. 19, 1921. Serial No. 523,434. 3 Claims. (Cl. 235—100.)



3. A coin bank comprising a thin flat receptacle to be carried in a garment pocket, a closure at one end of the receptacle, a latch within the receptacle extending along one side edge thereof for securing said closure, a coin tube at the opposite end of the receptacle in a corner thereof, a counting mechanism at the latter end of the receptacle controlling the latch, and a dog at the side of and projecting into the coin tube to be actuated by an inserted coin, said dog controlling the counting mechanism.

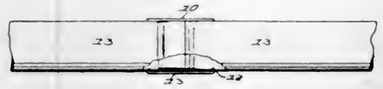
1,460,909. TEMPERATURE-INDICATING DEVICE. GIUSEPPE JOANNES, Turin, Italy. Filed July 26, 1921. Serial No. 487,737. 2 Claims. (Cl. 73—52.)

1. A temperature indicating device for automobile radiators and the like, comprising a radiator plug, an annular dial frame thereon, discs mounted in the frame having curved sight slots therein, a pointer pivoted in



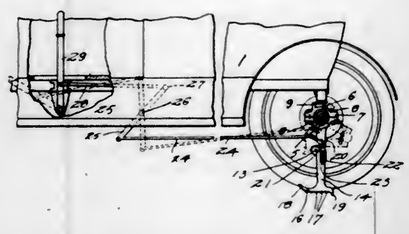
the frame between the discs, a closed gas receptacle on the plug, and means operated by the expansion of gas in the receptacle to oscillate the pointer.

1,460,910. STOVEPIPE COUPLING. XAVIER JUNGE, Venturia, N. Dak. Filed Nov. 1, 1921. Serial No. 512,038. 3 Claims. (Cl. 285—186.)



1. A stove pipe holder or coupling consisting of a terminally spurred blank of wire or rod adapted for arrangement longitudinally of a length of pipe in spanning relation with the joint between sections thereof and having its spurs engaged with punctures in said pipe sections.

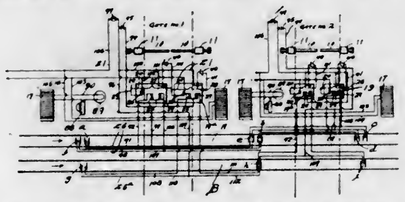
1,460,911. AUTOMOBILE BRAKE. JERRY J. KOHOUT and THOMAS R. GUNSON, Nunn, Colo. Filed Mar. 29, 1921. Serial No. 456,769. 2 Claims. (Cl. 188—5.)



2. An automobile brake comprising a pivotally mounted shank, a leg hinged to said shank, a foot formed on said leg and having a serrated face, a bell crank lever pivoted to said shank and slidably and pivotally connected to the leg, and means for imparting movement to the bell crank lever.

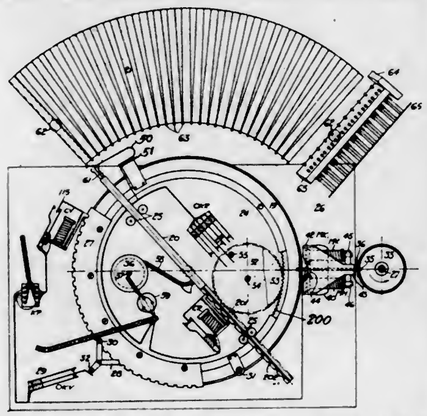
1,460,912. MECHANISM FOR OPERATING RAILROAD-CROSSING GATES. JOSEPH KRATOCHVIL, Chicago, Ill. Filed June 27, 1921. Serial No. 480,596; 18 Claims. (Cl. 246—127.)

1. A railway gate operating mechanism having a solenoid connected with the gate, an operating circuit including the solenoid, a relay switch for controlling said circuit and a track circuit for actuating the relay and including a trip actuated circuit closer for operation



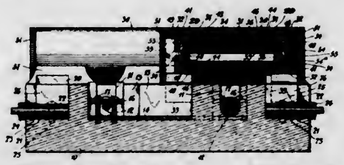
by the rolling stock, said relay having a magnet included in the operating circuit and an armature forming an element of the operating circuit.

1,460,913. SWITCHING APPARATUS FOR TELEPHONE SYSTEMS. DAVID LAURENTIUS LIENZÉN and KNUT LARSSON, Stockholm, Sweden. Filed Oct. 21, 1920. Serial No. 418,503. 7 Claims. (Cl. 179—27.5.)



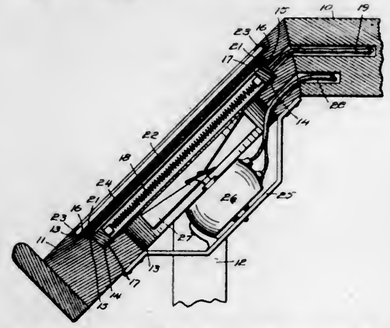
1. A switching apparatus for telephone exchange systems, comprising stationary contacts arranged in radial groups with respect to a centre, a movable contact member, a single driving device adapted to rotate said movable contact member and to impart a radial movement thereto for engagement with any of the stationary contacts, and means for reversing the operative engagement between the driving device and said movable contact member for returning it to an idle position in relation to said stationary contacts.

1,460,914. COMBINED ELECTRIC SWITCH AND FUSE. JONAS G. LUNDGREN, Clear Lake, Iowa. Filed Jan. 26, 1921. Serial No. 440,005. 4 Claims. (Cl. 200—114.)



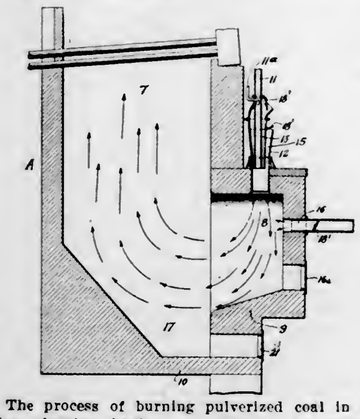
1. In an electrical switch, the combination of a switch block having spaced terminals, a casing carrying contacts adapted to make electrical connections with said terminals, a fuse in said casing connecting said contacts, said block having recesses in which said terminals are located and grooves therein in which portions of said casings are adapted to fit, and detachable means for closing an end of said casing whereby when the switch is closed all of the conducting parts thereof are concealed from view.

1,460,915. SHOE-SALESMAN'S STOOL. SMITH L. LUTON, Hugo, Okla. Filed Sept. 12, 1922. Serial No. 587,835. 2 Claims. (Cl. 126—204.)



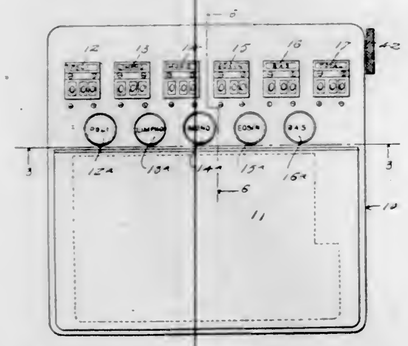
1. A device of the class described comprising a support having an opening with the margin of the opening formed of three encompassing rests decreasing in diameter toward the interior of the support, a heat imparting medium supported on the innermost and smallest rest, a foraminous member resting upon the intermediate rest, and a heat retarding element resting upon the outer and largest rest, whereby the heat imparting medium, the foraminous member, and the heat retarding element are independently supported and independently detachable.

1,460,916. METHOD OF BURNING PULVERIZED FUEL. JOHN E. MUHLFELD, Scarsdale, and VIRGINIUS Z. CARACRISTI, Bronxville, N. Y., assignors to Locomotive Pulverized Fuel Company, New York, N. Y., a Corporation of Delaware. Original application filed Feb. 5, 1918, Serial No. 215,428. Divided and this application filed Apr. 27, 1921. Serial No. 464,849. 18 Claims. (Cl. 110—28.)



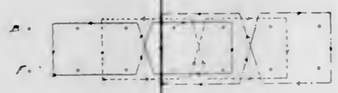
1. The process of burning pulverized coal in a combustion chamber having an outlet in an upper part thereof which consists in admitting the fuel in a downward direction adjacent a wall thereof, in substantially completing combustion within the chamber, and in drawing off the gaseous products of combustion through said outlet at such a rate as to produce stream line combustion of the fuel with a reverting U-shaped fuel and flame stream in which the descending portion is subjected to the heat of the ascending portion.

1,460,917. LABORATORY TABULATOR. CARMELO PENAFLOR, Manila, P. I. Filed Sept. 21, 1921. Serial No. 502,138. 1 Claim. (Cl. 235—91.)



A tabulator including a casing, a spindle therein, cooperating registering disks journaled on said spindle, a ratchet wheel movable with one of said disks and located exteriorly of the casing, a depressible operating member, a link extending from said operating member and pivoted on said spindle, a pawl extending upwardly from said link and engaging said ratchet, a spring on said link engaging said pawl and urging it into relation with the ratchet wheel, a link extending from said operating member below and substantially parallel to the first link to which the second link is pivoted rising from the base of the casing below said ratchet wheel, said means having a recess, a return spring disposed in said recess and engaging the second mentioned link, a retaining pawl for said ratchet wheel relatively close to said means, a registering mechanism for totals operated by said spindles, a ratchet wheel on said spindle, and a pawl carried by the first mentioned ratchet wheel and cooperating with the second mentioned ratchet wheel.

1,460,918. PROCESS FOR MAKING WARP KNITTED FABRICS. EDWARD EVERARD PRESTON, Leicester, England. Filed Oct. 20, 1920. Serial No. 418,237. 4 Claims. (Cl. 66—33.)



3. A process for the production on double rib knitting machines of a uniformly faced fabric which consists in utilizing one row of thread guides only and of causing each individual thread to be laid alternatively over two needles of the front bar and then over two needles of the back bar at each course in such a manner that each thread is in part lapped by the thread next before and in part by the thread next behind so that each knitted loop contains two threads.

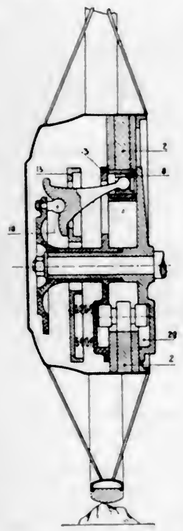
1,460,919. ANIMAL HOPPLE. JOHN W. PRIEST, Boise, Idaho. Filed Oct. 26, 1921. Serial No. 510,510. 1 Claim. (Cl. 119—128.)

A hopple consisting of a chain having a terminal hook, and a second hook having a running engagement with the chain and adapted to be locked at any desired point throughout the length thereof; the running hook being of looped construction with rearwardly convergent arms bulged outwardly to form an opening through which the links of the chain may pass freely, the arms beyond the



bulged portions being arranged in parallelism to provide a seat for selected links and the extremities being intertwisted to form a rigid handle.

1,460,920. SPRING WHEEL. EDOARDO RAMONDO, Turin, Italy. Filed Nov. 13, 1922. Serial No. 600,663. 5 Claims. (Cl. 152—28.)

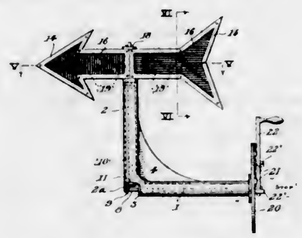


1. A resilient wheel comprising a hub, a fixed abutment on the outer end thereof, an annular radially movable member surrounding the hub, supporting levers each having an enlarged end axially fulcrumed on the abutment and its other end mounted in and movable axially of the annular radially movable member, a universally movable member surrounding the hub and levers, and springs for holding the universally movable member in yielding contact with the enlarged ends of the levers.

1,460,921. AUTOMOBILE DIRECTION INDICATOR. ANTHONY SAJESKI, Nanticoke, Pa. Filed Jan. 31, 1923. Serial No. 616,142. 1 Claim. (Cl. 116—46.)

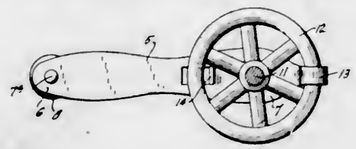
In an automobile direction indicator, an angle member including a horizontal and a vertical tubular section, integrally formed and angularly cut away at adjacent ends, a depending flange carried by the outer edge of the vertical tubular section, a shaft journaled in each section, the forward end of the horizontal shaft being journaled in the depending flange, gear connections between the adjacent ends of the shafts, an indicator arm secured to the upper end of the vertical shaft above the vertical tubular

section, a bracket for securing the member to the windshield frame of an automobile, a disk secured to the rear end of the horizontal tubular section, the horizontal shaft



extending rearwardly through said disk, a handle secured to the end thereof, and spaced stop devices for the handle carried by said disk.

1,460,922. VALVE-ACTUATING MEANS. FRANK A. SAUNDERS, Dubuque, Iowa. Filed Aug. 12, 1922. Serial No. 581,539. 4 Claims. (Cl. 74—33.)



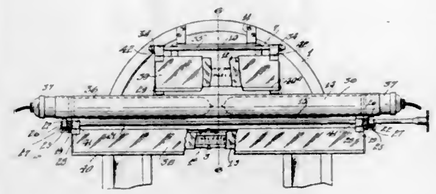
2. Valve actuating means comprising a shank having an opening in one end thereof arranged to receive a portion of a valve, an extension projecting from said end and arranged to engage a portion of the valve handle, that portion of the shank adjacent the opening and remote from the extension being arranged to engage the valve handle.

1,460,923. READING APPLIANCE. ROBERT M. SEARLE, Rochester, N. Y. Filed June 30, 1921. Serial No. 481,633. 5 Claims. (Cl. 88—1.)



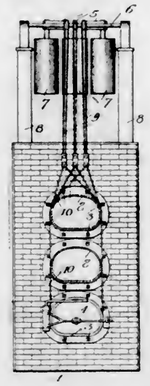
1. In combination with a field to be viewed, an elongated lens, a lamp, an elongated tubular casing for the lamp having one side extending to the lens so that no space is provided between the lens and the casing through which direct rays may pass to the eyes of the viewer of the field through the lens, said casing having an elongated opening permitting the rays to pass from the lamp on the field and in rear of the lens.

1,460,924. READING APPLIANCE. ROBERT M. SEARLE, Rochester, N. Y. Filed Nov. 16, 1921. Serial No. 515,733. 7 Claims. (Cl. 240—2.)



1. The combination with an indicator bar and a copy holder arranged above the bar, of arms extending outwardly at opposite ends of the indicator bar, a frame movable toward and from the indicator bar on said arms, two lenses carried by said frame, one associated with the indicator bar and the other associated with the lenses and means on the frame closing the space between the two lenses.

1,460,925. SUPPORTING MEANS FOR GAS-RETORT SPOUTS. ROBERT M. SEARLE, Rochester, N. Y. Filed Nov. 11, 1922. Serial No. 600,215. 3 Claims. (Cl. 48—126.)

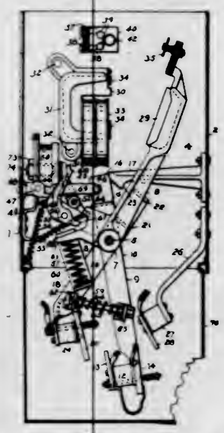


1. The combination with a retort having a spout portion projecting from a furnace, bolts securing said spout portion in position on the furnace, and a closure for said projecting spout portion, of counter-balancing means for said projecting spout portion and closure.

1,460,926. COMPENSATOR FOR INDUCTION MOTORS. HARRY F. STRATTON, Cleveland Heights, Ohio, assignor to The Electric Controller & Manufacturing Company, Cleveland, Ohio, a Corporation of Ohio. Filed July 26, 1922. Serial No. 577,701. 8 Claims. (Cl. 172—179.)

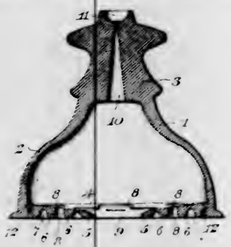
3. In a starting compensator for induction motors, an operating handle, a motor, starting contacts and running contacts therefor, means actuated by the handle for closing the starting contacts and for storing energy tending to close the running contacts, means restraining the energy-storing means, an electromagnet having its winding energized by the motor current, an armature for the

electromagnet biased to open position but prevented from opening when the motor current exceeds a predetermined



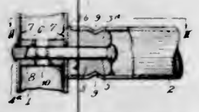
value, and means controlled by the armature when opening to release the restraining means, whereby the running contacts may close.

1,460,927. VACUUM CUP. RALPH S. THOMPSON and CARL F. DÖSCHER, New York, N. Y. Filed Mar. 28, 1922. Serial No. 547,416. 5 Claims. (Cl. 128—300.)



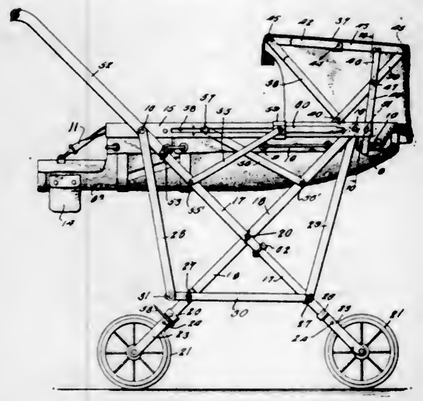
1. A vacuum massage cup comprising a cup-shaped body of resilient material with an axial termination ending in a hand receiving head having an air duct leading axially therethrough, said cup having an expanding body cavity communicating with the duct, and a substantially one-piece diaphragm extending across the mouth of the head and having its outer face formed with an extended series of alternate ribs and grooves with air passages following the contour of the grooves, the diaphragm being relatively rigid and the head yieldable to pressure to compress it into the hollow body of the cup.

1,460,928. TUBULAR FRAME. CHARLES S. TILDEN, Cleveland, Ohio, assignor to The Elyria Iron & Steel Company, Cleveland, Ohio. Filed Mar. 22, 1922. Serial No. 545,843. 8 Claims. (Cl. 287—54.)



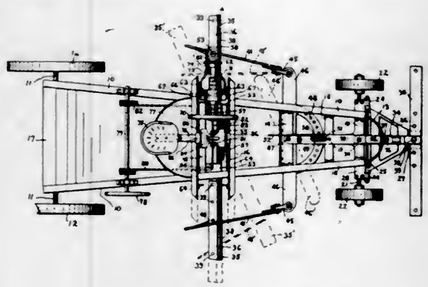
1. In a tubular frame, a reinforced joint for connecting two tube members, comprising a plug having a shank portion adapted to be inserted into the end of one of said tubes, said shank portion being provided with a recess in its outer surface adapted to have the metal of said tube indented into it, said plug having an enlarged portion forming a shoulder surrounding said shank, said enlarged portion being hollowed out to adapt it to fit the external surface of the other of said tube members, a reinforcing member adapted to be inserted into said last named tube, said plug having a longitudinal aperture, said reinforcing member having a transverse aperture, and fastening means in said apertures adapted to draw said plug and said reinforcing member towards each other, said reinforcing member having an aperture adapted to receive a positioning rod.

1,460,929. COMBINED INFANT CRIB AND GOCART. JACOB A. VIERLING, Jersey City, N. J. Filed May 25, 1922. Serial No. 563,739. 9 Claims. (Cl. 280—31.)



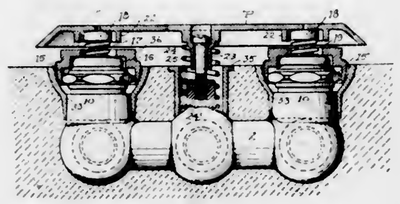
1. A combined infant crib and go-cart comprising a body frame, and supporting legs hinged to the body frame in crossed relation when in go-cart formation and arranged perpendicularly when set up as a crib, said body frame including side rods and brace bars connected to the legs and slidable on the rods.

1,460,930. ROAD MAINTAINING AND RESURFACING MACHINE. ODIN B. WALTERS, Council Bluffs, Iowa. Filed Dec. 9, 1922. Serial No. 605,753. 6 Claims. (Cl. 37—155.)



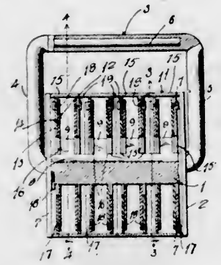
1. In a road maintainer, a frame, a superstructure on the frame, manually operable means for transversely shifting the superstructure on the frame, means for angularly adjusting the superstructure across the frame, clamping means for binding the superstructure upon the frame when adjusted and a scraper suspended from the superstructure and adapted for adjustment transversely and angularly with the same.

1,460,931. COMBINED HOT AND COLD WATER VALVE. LEON B. YEISER and FREDERICK C. LEHMANN, Cleveland, Ohio. Filed July 21, 1919. Serial No. 312,205. 21 Claims. (Cl. 277—20.)



1. A pair of valves and a cover plate removably superposed thereover and depressible at either end and midway of its ends whereby either valve or both valves may be opened at the election of the operator.

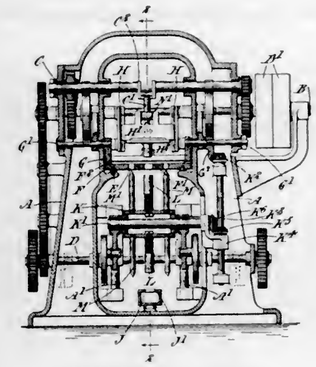
1,460,932. COMBINATION LOCK. SAMUEL J. ZINGMAN, New York, N. Y. Filed June 17, 1922. Serial No. 568,954. 4 Claims. (Cl. 70—19.)



1. A combination lock comprising a telescopic shackle, a body carried by one section of the shackle and having a groove opening out through the face and one end thereof, a shank formed on the other section of the shackle, bits formed on said shank and extending beyond the face of the body, spaced pairs of disks rotatably mounted on the body and each having a plurality of slots to receive the bits, bands secured to the peripheries of the disks, and a second disk for each one of each pair of disks, said second disks mounted on the body between the first named pairs of disks and each having a slot adapted to be registered with any one of the slots of the first named disks.

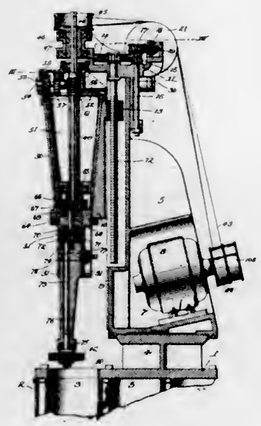
1,460,933. APPARATUS FOR MOLDING PLASTIC SUBSTANCES. RICHARD HARTLEY SMITH ABBOTT and JAMES BROOKS CLOSE, London, England. Filed Jan. 16, 1922. Serial No. 529,736. 7 Claims. (Cl. 25—60.)

1. In apparatus for molding plastic substances, the combination of a plate having recesses or perforations therein, a receptacle for the plastic substance and a reciprocating member adapted alternately to dip into the



receptacle and to deliver plastic substance therefrom into the perforations or recesses in the plate in the form of a cake or pellet.

1,460,934. GRINDING MACHINE. ULRICH ANDERSON, Wausau, Wis. Filed May 26, 1921. Serial No. 472,770. 10 Claims. (Cl. 51—245.)



1. In a grinding machine, the combination of a base; a column mounted for rotative adjustment thereon; a saddle mounted for vertical movement upon the column; a head rotatably supported in the saddle; a grinder supported by the head eccentrically to the axis of the head; means for adjusting said grinder to vary the eccentricity thereof; means for rotating the grinder about its own axis independently of the rotation of the head; and means for securing the column to the base whereby the column, and consequently the parts carried thereby, may be brought into diffeernt positions with reference to the base.

1,460,935. COMBINED RULER AND BLOTTER. ALBERTO AZCONA, Magdalena, Mexico. Filed Dec. 5, 1922. Serial No. 605,089. 5 Claims. (Cl. 120—2.)



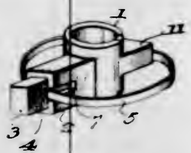
5. As a new article of manufacture, a combined ruler and blotter consisting of an elongated core of circular formation constructed of blotting material and a plurality of telescopically associated elongated cylindrical sections of blotting material fitted over said core and adapted to be successively removed and discarded when filled with ink whereby to expose and present a clean blotting surface.

1,460,936. FENCEPOST ATTACHMENT. PERCY TRIPP BAILEY, Middletown, R. I. Original application filed Oct. 8, 1919, Serial No. 329,316. Divided and this application filed Oct. 4, 1921. Serial No. 505,365. 5 Claims. (Cl. 256—11.)



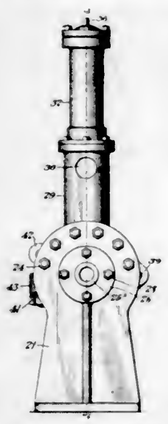
1. A fence post attachment comprising a pair of arms, adapted to grip a horizontally extended pipe, means for connecting the arms to a fence post, said arms being adjustable in respect to said means for varying the distance between said pipe and said post, said arms being provided with slots for locking one arm into the other.

1,460,937. TIMER BRUSH. JAMES F. BEAVAN, Binghamton, N. Y. Filed June 28, 1922. Serial No. 571,377. 4 Claims. (Cl. 171—323.)



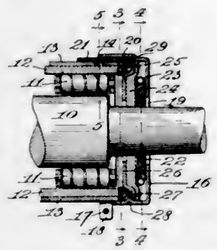
2. A timer-brush including a sleeve, a socket, a brush slidable in the socket, the brush having a slot therethrough, and a spring extending loosely through the slot and rigidly secured at the side of the sleeve for exerting tension upon the brush.

1,460,938. METHOD OF MIXING OR MASTICATING HEAVY PLASTIC MATERIAL. DAVID R. BOWEN and CARL F. SCHNUCK, Ansonia, Conn., assignors to Farrel Foundry and Machine Company, Ansonia, Conn., a Corporation of Connecticut. Original application filed Sept. 14, 1917, Serial No. 191,413. Divided and this application filed Mar. 20, 1918. Serial No. 223,537. Renewed Mar. 12, 1923. 19 Claims. (Cl. 18—50.)



1. The method of compounding rubber, which comprises placing the material to be compounded in a suitable chamber, and extruding the mass through a constricted opening a multiplicity of times before removing the same from the chamber.

1,460,939. GREASE RETAINER FOR JOURNAL BEARINGS. GEORGE A. BOYER, Los Angeles, Calif., assignor of one-half to Minta I. Heron and one-half to Norman C. Heron, both of Los Angeles, Calif. Filed Jan. 9, 1922. Serial No. 528,064. 3 Claims. (Cl. 64—22.)

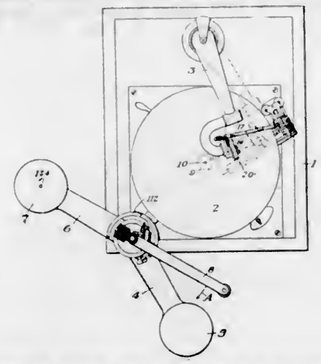


1. In a grease retainer for journal bearings, a container adapted to be positioned upon a bearing, a fibrous ring within said container and adapted to encircle the shaft in the bearing, a coil spring encircling said fibrous ring, a leather disc within the container adjacent to the fibrous ring, a metal disc bearing against said leather disc and a ring of fibrous material between the edge of said metal disc and the bearing to which the container is applied.

1,460,940. AUTOMATIC REPLAY AND RECORD SHIFT FOR PHONOGRAPHS. EDGAR E. BROSIUS, Pittsburgh, Pa. Filed May 7, 1920. Serial No. 379,527. 39 Claims. (Cl. 274—10.)

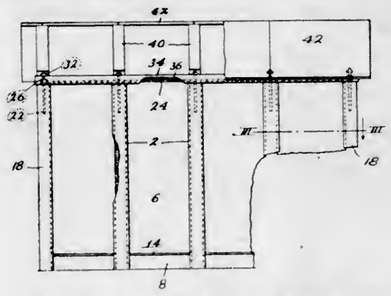
1. In a phonograph, a record table, a reproducer cooperating therewith, a cam, a reproducer lifting arm

having a portion adapted to engage said cam and another portion adapted to engage the reproducer, means



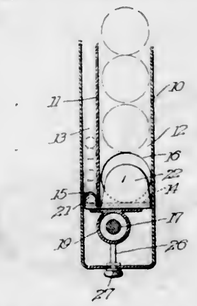
normally urging said cam engaging portion into engagement with the cam, and means normally rendering said means ineffective, substantially as described.

1,460,941. KNOCKDOWN CONCRETE BUILDING. WALTER C. BROUGHTON, Kansas City, Mo. Filed June 20, 1921. Serial No. 478,901. 3 Claims. (Cl. 72—1.)



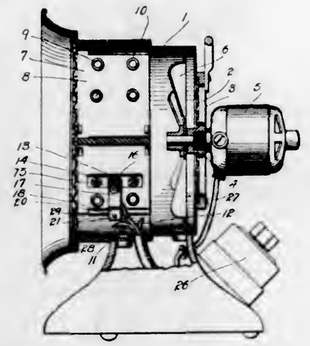
1. In a knockdown building of the character described, a wall structure consisting of columns spaced apart, removable panels closing the spaces between said columns, anchors projecting upwardly from the columns, and a removable bar uniting said anchors and resting on the top of the panels.

1,460,942. CASE. GEORGE BURROUGHS, Monessen, Pa. Filed Dec. 3, 1921. Serial No. 519,677. 2 Claims. (Cl. 206—38.)



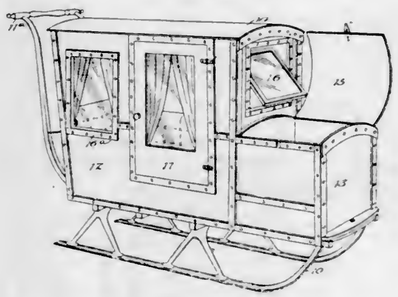
1. A receptacle, a partition dividing the receptacle into a match receiving compartment and a cigarette receiving compartment, one wall of said receptacle having spaced openings, said openings communicating with said compartments, a rod arranged within the receptacle, a spring pressed member slidably mounted on said rod and designed to singly engage a match and a cigarette, and means for moving said member from one direction to eject a match and cigarette simultaneously through said opening.

1,460,943. ELECTRIC CUT-OUT. SAMUEL M. CARMEAN and JAMES H. CARMEAN, Kansas City, Mo. Filed Feb. 20, 1922. Serial No. 537,793. 4 Claims. (Cl. 219—42.)



1. An electric heater comprising a casing, a heating element therein, an air impeller for directing air over the heating element, and an electric circuit cut-out associated with an electric heater and movable in response to heat generated by the heater whereby the circuit will be broken when the impeller ceases to operate.

1,460,944. BODY FOR CHILDREN'S VEHICLES. DONALD A. CAMERON, Houghton, Mich. Filed May 12, 1922. Serial No. 560,309. 4 Claims. (Cl. 280—23.)

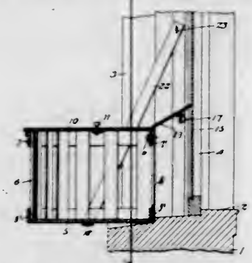


1. As a new article of manufacture, a children's carriage comprising a sled, a closed body simulating an automobile body carried by said sled and directly secured to the knees thereof, and a substantially flat hinged top on said body.

1,460,945. WINDOW DOG KENNEL. CLAIRE CHAPLIN, New York, N. Y. Filed Feb. 4, 1922. Serial No. 534,121. 3 Claims. (Cl. 119—17.)

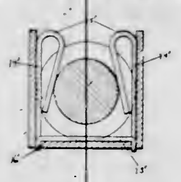
1. A window kennel comprising a box structure having a flanged bottom to render the same water-tight, strips secured to said bottom extending upwardly to form a

foraminous wall for the box, a removable lid therefor, means to secure said lid in place adjacent the side walls of the box, a drain member at one end of said lid extend-



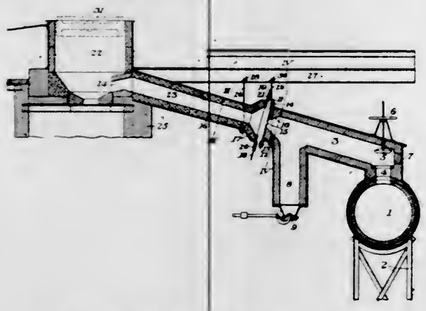
ing at an angle thereto and means at the ends of said drain member to clamp the same to the frame of a window.

1,460,946. ROLL-RETAINING DEVICE. ALFRED WILLIAM CHRIST, Chicago, Ill. Filed Dec. 16, 1920. Serial No. 431,193. 4 Claims. (Cl. 206—52.)



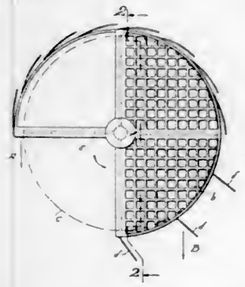
1. A member provided with a body portion, a resilient arm bent back toward and extending alongside a part of said body portion, and means upon said body portion for attaching said member to a wall of a case with said part engaging said wall, said member being adapted to prevent a roll from unrolling in said case by exerting pressure between said wall and roll, substantially as described.

1,460,947. BURNER FOR FURNACES. HENRY F. CLARK, Oakmont, Pa., assignor to Window Glass Machine Company, Pittsburgh, Pa., a Corporation of New Jersey. Filed Apr. 9, 1921. Serial No. 459,993. 11 Claims. (Cl. 158—7.)



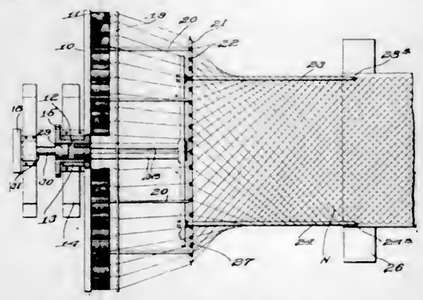
1. A producer gas combustion apparatus for glass furnaces or the like, comprising a relatively large heating chamber, a mixing and combustion chamber communicating therewith, said last chamber gradually increasing in cross section towards said heating chamber, and air and producer gas feeding means communicating with said mixing chamber at a distance from said heating chamber, substantially as described.

1,460,948. AERIAL PROPELLING MACHINE. SALUSTIO VALDÉS CORTÉS, Valparaiso, Chile. Original application filed Oct. 15, 1918, Serial No. 258,170. Divided and this application filed Apr. 9, 1920. Serial No. 372,709. 10 Claims. (Cl. 244—16.)



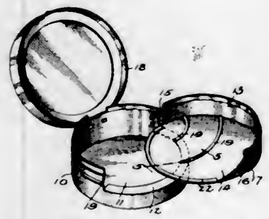
1. In a propeller for aerial vehicles, the combination of a permeable casing having permeable sides and periphery, and movable deflecting vanes on its sides and periphery.

1,460,949. PAPER-REENFORCING MACHINE AND METHOD THEREOF. ANDREW E. CURRIER, Millis, Mass., assignor to Max Brown, Boston, Mass. Filed Aug. 31, 1920. Serial No. 407,163. 6 Claims. (Cl. 154—1.)



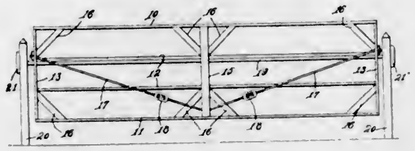
1. The herein described method which consists in winding filaments continuously upon spaced apart relatively stationary guides to constitute a criss-cross web, and drawing the web so formed constantly along said guides and off from the ends thereof, with a frictional sliding movement, and pressing the same upon a moving paper surface.

1,460,950. VANITY CASE. WILLIAM H. DENNEY, South Orange, N. J. Filed Dec. 6, 1922. Serial No. 605,238. 5 Claims. (Cl. 132—83.)



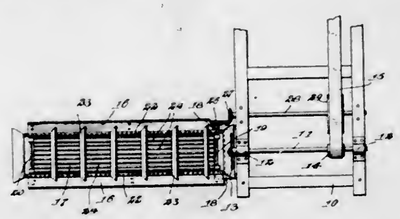
1. A container including a body having a bottom and a flange formed with a cutout portion, and a tray comprising a bottom and a flange, said tray hinged to the body to swing laterally, the flange of the tray forming a closure for the cutout portion of the body.

1,460,951. SIGNBOARD. BEN DURFEE, Wichita, Kans. Filed June 30, 1922. Serial No. 571,881. 2 Claims. (Cl. 40—138.)



1. A sign of the character described comprising a rectangular frame including upper and lower and intermediate longitudinal bars connected at their ends by transverse bars and connected at their centers by another transverse bar, diagonal brace bars located at the junctures of said end and intermediate cross bars with the uppermost and lowermost longitudinal bars, truss rods connected with the lower end of the intermediate cross bar and with the transverse end bars and provided with turn buckles, and a shaft secured to the frame adjacent the uppermost intermediate longitudinal bar for mounting the sign structure upon supporting posts.

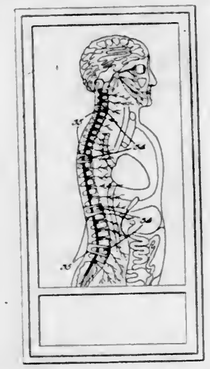
1,460,952. CONVEYER. SAMUEL L. EUSTIS, Jr., Onaga, Kans. Filed May 12, 1919. Serial No. 296,455. 1 Claim. (Cl. 198—199.)



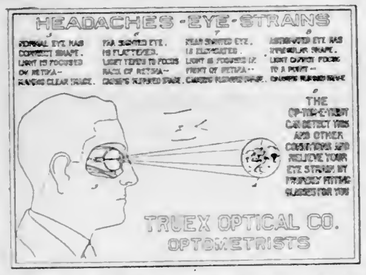
A conveyer of the character described comprising a bottom wall arranged at an inclination and supported at its lower end, outwardly inclined side walls rising from said bottom wall and in contacting engagement with the side edges thereof, transversely disposed shafts journalled in the ends of the bottom wall, a sprocket carried by the ends of each shaft, chains trained over the sprockets, substantially L-shaped carriers secured to the chains and being disposed transversely thereof, a plurality of spaced parallel longitudinally disposed rods bent downwardly at their ends to conform to the curvature of the turning point of said chains and being secured to and spaced from the bottom wall as and for the purpose specified.

1,460,953. CONTROLLING DEVICE FOR ELECTRIC SIGNS. CARL A. FAIRBANKS, Wichita, Kans. Filed Mar. 27, 1922. Serial No. 547,315. 5 Claims. (Cl. 35—16.)

1. In a device of the class described, a cam shaft, a cam rigid thereon, an element representing a portion of the human anatomy subject to displacement, a chart with which said element is associated, means for mounting said element to permit of movement for attracting attention, the chart having a cut away portion through which the element specified is visible, and means for actuating said element from the cam.



1,460,954. EDUCATIONAL SIGN. CARL A. FAIRBANKS, Wichita, Kans. Filed Oct. 30, 1922. Serial No. 597,948. 3 Claims. (Cl. 40—34.)



1. In a device for the purpose set forth, a casing, a motor operated shaft therein, comprising sections, reducing means whereby one of said sections is turned at a less rate of speed than the other, disks journaled in the casing to the rear of the openings, means actuated by the motor shaft for imparting an intermittent rotary movement to one of the disks, means between the disks whereby the same are simultaneously rotated so that the views thereof are successively brought opposite the openings, means for momentarily halting the disks when the views thereon are in such position, and means for illuminating the disks when in such position.

1,460,955. MACHINE FOR TREATING WICKS. FREDERICK W. FISCHER, Milwaukee, Wis. Filed Mar. 25, 1921. Serial No. 455,592. 35 Claims. (Cl. 91—14.)

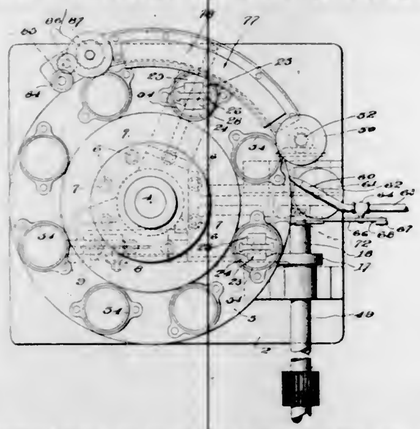
2. In a wick treating machine, the combination of a movable table, wick-supporting arbors carried thereby, means for spraying wicks while on said arbors, and a rotary knife for trimming wicks on said arbors.

11. In a wick treating machine, the combination with a wick-carrying table, of means for spraying wicks on said table with a liquid solution, and pressure means for forcing the solution into the wicks.

33. In a wick treating machine, a table, wick carrying arbors thereon, a roller for engaging wicks on said arbors at predetermined times to rotate the wicks, means for rotating said roller, spraying means for spraying wicks during rotation by said roller.

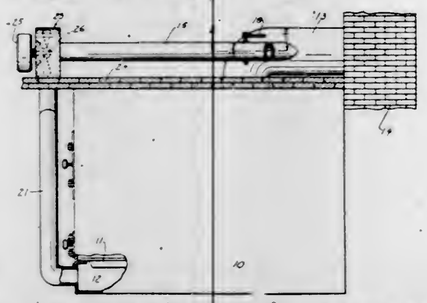
34. In a wick treating machine, a movable carrying table, means for moving the table, means for applying a

stiffening agent to a portion of wicks carried by said table, means for operating said stiffening agent applying means,



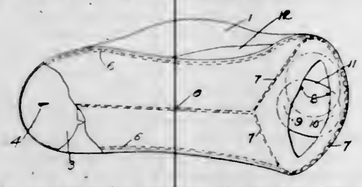
pressure means for forcing said stiffening agent into the wicks, and means for drying said stiffening agent.

1,460,956. SMOKE CONSUMER. FREDERICK P. FISCHER, Chicago, Ill. Filed May 13, 1921. Serial No. 469,151. 3 Claims. (Cl. 110—49.)



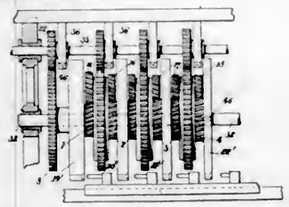
1. In combination with a boiler provided with a grate and chamber beneath said grate and with a smoke pipe connecting said boiler with a nearby smoke stack, a conduit extending along the front and the top of said boiler and connecting the front end of said chamber with said smoke pipe, an air inlet duct connected with the said conduit, adjacent said smoke pipe, means interposed in said conduit for forcing carbon and gas from said pipe and air from said duct through the grate, and a single valve to regulate the proportionate amount of carbon and of air to be admitted to said chamber.

1,460,957. ANATOMICAL SUPPORT. WALDEMAR W. FROESCHLE, St. Louis, Mo., assignor to Charles J. Gregory, St. Louis, Mo. Filed Aug. 15, 1921. Serial No. 492,372. 6 Claims. (Cl. 36—71.)



1. In an anatomical support of the class described, a body, opposed shallow pockets therein, and a removable insert provided with tapering edges inserted in said pockets and a relatively thick supporting portion extending substantially entirely beyond said pockets.

1,460,958. GEAR. FRANZ GAHLERT, JR., Welpert, Bohemia. Filed July 8, 1922. Serial No. 573,679. 5 Claims. (Cl. 74—34.)



1. A motion changing gear comprising a common driven shaft, a plurality of differential gears mounted on the said common shaft; each said differential gear comprising a differential wheel, a planet wheel mouthed upon the said differential wheel and sun wheels at either side of the differential wheel; a driving wheel associated with each differential wheel; each said planet wheel being in engagement with sun wheels associated with adjacent differential wheels; and means for throwing any number of said driving wheels into gear with their respective differential wheels, whereby the motion of the said driving wheels may be transmitted to the said common driven shaft through one or more of said differential gears in accordance with a geometrical series, and means for locking the sun wheels successively against rotation in the order of their arrangement on their shaft.

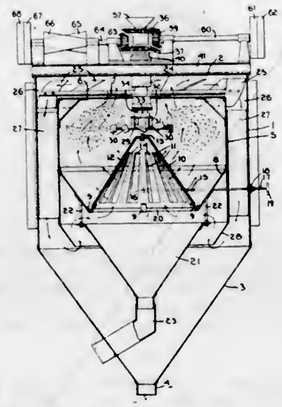
1,460,959. UNDERWEAR. ROBERT E. GARRETT, Nashville, Tenn. Filed Apr. 6, 1922. Serial No. 550,105. 2 Claims. (Cl. 2—144.)



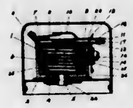
2. A garment of the character described, having its leg portions extended below the knee at the front portion and cut away toward the rear portion to cover and protect the knee and prevent creeping up of the leg portions upon bending of the knees, a binding strip around the extended and cut away portions, to provide a stiffening and reinforcing for said end cut away extended portions, and hose supporting means depending from said binding strip, at the extended portion to retain the extension below the knee and also support the stocking, said hose supporting means consisting of a pair of hose supporting members for each leg section connected to the binding strip at its lower portion.

1,460,960. AIR SEPARATOR. WILLIAM A. GIBSON and CHARLES E. NEEDHAM, Allentown, Pa., assignors to Bradley Pulverizer Company, Boston, Mass., a Corporation of Maine. Filed Nov. 16, 1921. Serial No. 515,511. 14 Claims. (Cl. 83—40.)

3. An air separator comprising a closed outer casing having a delivery hopper for the finished material, an inner casing spaced apart therefrom providing an inner separating chamber, distributing means for projecting the material to be separated centrifugally in the upper portion of said separating chamber, means for delivering the tailings from said separating chamber, a hollow member centrally located within said separating chamber having apertured walls, and means for causing a current of air to pass continuously downwardly through the passage between said outer and inner casings and upwardly through said apertures in the wall of said hollow member into and through said separating chamber thereby producing a plurality of radially outward and upward currents in said separating chamber.



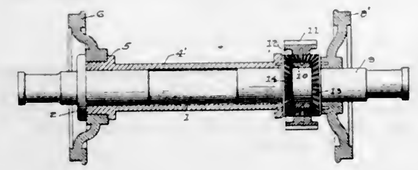
1,460,961. CURRENT CUT-OUT. CLARENCE F. GILCHRIST, Toledo, Ohio, assignor to the Electric Auto-Lite Company, Toledo, Ohio, a Corporation of Ohio. Filed Jan. 24, 1918. Serial No. 213,526. 7 Claims. (Cl. 200—87.)



3. In an electro-magnetic cut-out, the combination of a core; a plurality of solenoids surrounding said core, comprising a series coil and a shunt coil; a U-shaped iron strip positioned about said solenoids; a contact plate on one arm of said strip, insulated therefrom, and in series with the series coil; an armature carrying a second contact plate secured to the other arm of said strip; means for normally holding the contact plates in disengagement; said shunt coil when energized being adapted to close an electrical circuit through the contacts, armature, and one arm of the U-shaped strip, and to close a magnetic circuit through the armature and each arm of the U-shaped strip, the reluctances of said magnetic circuits being approximately equal when the contacts are closed and the reluctance of the magnetic circuit thru the arm carrying the contact plate being greater than the reluctance of the magnetic circuit thru the other arm when the contacts are open.

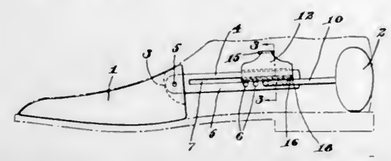
1,460,962. AXLE. SETH M. HALL, Portland, Oreg. Filed May 13, 1922. Serial No. 560,754. 1 Claim. (Cl. 295—37.)

In a vehicle, an axle therefor, a flange formed integral with the axle adjacent one end, a spaced enlargement formed on the axle adjacent each end on one side of the flange, a sleeve rotatably mounted on the enlargements and abutting the flange, a flange formed on the sleeve adjacent its abutting end, a wheel carried by the sleeve between said flanges and adapted to rotate with the sleeve, a flange formed on the extreme opposite end of the sleeve which terminates on the adjacent enlargement, a wheel placed on the axle abutting the last mentioned



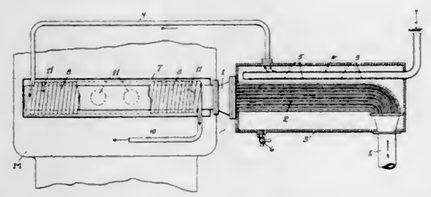
enlargement and spaced from the end of the sleeve, a hub surrounding the enlargement and being arranged in the space between the wheel and the end of the sleeve for taking up the thrust therebetween, a gear carried by the last mentioned flange, a gear carried by the last mentioned wheel, and pinions meshing with the gears and fixed to the hub as and for the purpose specified.

1,460,963. ADJUSTABLE SHOE-TREE. JOHN S. HANSEN, Brockton, Mass. Filed Apr. 11, 1922. Serial No. 551,497. 1 Claim. (Cl. 12—128.1.)



A shoe tree of the kind described, having a forepart, a heel part, a member pivotally secured to one part, a second member rigdily secured to the other part, one of said members having a slot therein with a plurality of recesses to receive the other part, means permitting adjustment of said parts for pivotal connection on any one of said recesses, and a movable handle adapted to traverse said slot and hold the members in adjusted position, in combination with yielding means to hold said handle in the position to which it is moved.

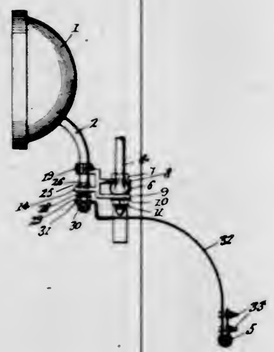
1,460,964. FUEL-SAVING DEVICE. JEAN HYVERT, St.-Denis, Seine, France. Filed Mar. 24, 1923. Serial No. 627,415. 1 Claim. (Cl. 123—25.)



A fuel economizer for internal combustion engines for use in combination with the exhaust pipe of an engine, comprising, a chamber, a portion of exhaust pipe entering the chamber, a portion of exhaust pipe leaving the

chamber, a bundle of tubes, positioned in the chamber, and communicating the said exhaust pipe portions, and means for introducing a liquid into the chamber and onto the tubes, said bundles of tubes having an aggregate cross sectional flow area at least equal to that of one exhaust pipe portion, said means comprising a conduit positioned in the chamber and above said bundle of tubes, and a series of apertures in the conduit, extending the entire length of the bundle of tubes, whereby to spray fluid onto the tubes.

1,460,965. APPARATUS FOR AUTOMATICALLY CONTROLLING THE HEADLIGHTS OF AUTOMOBILES. JOHN L. ILES and JOHN T. ILES, Magnolia Springs, Ala. Filed Sept. 27, 1922. Serial No. 590,843. 1 Claim. (Cl. 240—62.)



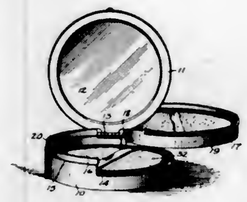
A head lamp having a post, a bracket frame carried by the vehicle having upper and lower arms, said upper arm having a divided bearing engaging about the post, spring means to urge the bearing sections together upon the post, a flat spring embedded in one of the bearings and engaging said post, a cone bearing carried by the post and seating upon the lower arm, an adjustable spring for drawing the bearing means against said seat, a curved flat spring engaging tightly about the lower end of said steering post and having its other end affixed to the steering cross-rod, substantially as described.

1,460,966. GAME DEVICE. FRANKLIN JOHNSON, New York, N. Y. Filed Mar. 11, 1922. Serial No. 543,021. 7 Claims. (Cl. 46—25.)



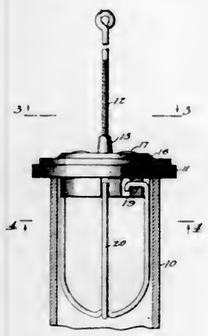
1. A game device comprising a set of trader record cards, a broker record card, a set of designating cards, and a deck of play cards, the designating cards and the play cards having indicia in common, as and for the purpose specified.

1,460,967. VANITY CASE. WILLIAM G. KENDALL, Newark, N. J., assignor to Henri Rigaud, doing business as Parfumerie Rigaud, New York, N. Y. Filed Jan. 22, 1923. Serial No. 614,231. 5 Claims. (Cl. 132—83.)



1. A vanity case comprising a main receptacle, a vertically swinging cover hinged thereto, and a laterally swinging auxiliary receptacle hinged thereto, said cover and laterally swinging auxiliary receptacle being secured to the main receptacle by a single hinge member.

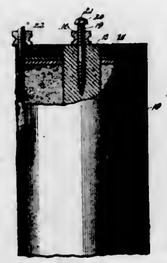
1,460,968. FLUSH-TANK VALVE. STEPHAN KNEPPEL, Scranton, Pa. Filed May 17, 1922. Serial No. 561,682. 3 Claims. (Cl. 4—5.)



1. A flush tank valve including a disk adapted to seat on a flush pipe, a cap plate on said disk, a stem above the cap plate, an element on the stem and having an enlarged lower portion, said cap plate having a hole receiving said element and undercut to accommodate said enlarged lower portion of the element, said element being permitted play relatively to the valve and cap plate so that the latter may rock relatively to the disk to seat itself on the flush pipe, a disk at the under side of the first-mentioned disk and having a depending frame adapted to enter the flush pipe, and fastener screws extending through said cap plate and the first-mentioned disk, the second-mentioned disk having threaded sockets receiving said screws so that the disks and cap plate are drawn in close relation.

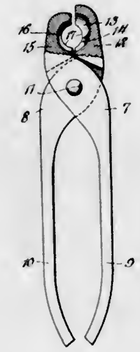
1,460,969. TERMINAL FOR DRY BATTERIES. HARRY M. KORETZKY, New York, N. Y. Filed June 30, 1920. Serial No. 392,926. 2 Claims. (Cl. 204—38.)

2. A battery, including a central electrode, a terminal adapted to be secured to said central electrode, said terminal including a screw threaded shank adapted to have its lower portion embedded within said electrode, and being formed adjacent its point of contact to the upper surface thereof with recessed portions, said electrode being formed with notches adjacent its point of contact with said shank, said notches aligning with the



raised portions, and being adapted to receive an anchoring element whereby to prevent any movement of the shank with respect to the electrode.

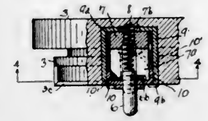
1,460,970. HOG-RINGING DEVICE. WILLIAM W. LAMSON, Collins, Nebr. Filed June 26, 1922. Serial No. 571,013. 1 Claim. (Cl. 128—332.)



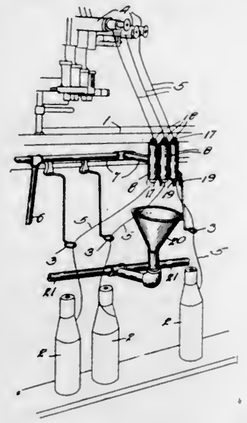
In a hog ringing device the combination of pivotal jaws, one of which is slightly longer than the other, handles depending from the jaws; one of said jaws having a depressed surface of similar construction throughout and having a channel in the direct longitudinal center thereof, and the other of the jaws having a depressed surface similar to the depressed surface of the first jaw but terminating at a point further away from the free end of the jaw, a circular depression formed in the second jaw with its median line on a plane with the end of the first depression of the second jaw and a channed extending from a point beyond the lower portion of the first depression of the second jaw and at an angle of approximately 45 degrees and terminating slightly below the direct center of the circular depression; substantially as and for the purpose specified.

1,460,971. FILM-SPOOL SUPPORT. LOUIS LISSON, Syracuse, N. Y. Filed Sept. 13, 1922. Serial No. 587,996. 7 Claims. (Cl. 242—71.)

1. The combination with the side rails of a camera having aligning facing sockets and a film spool operable in a pocket lying between said sockets, of a reciprocable spindle carried by each rail, springs carried by said rails adapted to move said spindles toward each other for supporting said film spool, and cam members carried by said rails adapted when rotated in one direction to move said spindles away from each other for releasing said film spool.

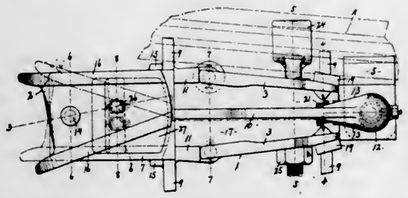


1,460,972. PIPE ATTACHMENT FOR STEAM LOOMS. OWEN F. MCENANEY, Brooklyn, N. Y. Filed May 17, 1922. Serial No. 561,777. 4 Claims. (Cl. 28—59.)



1. In an attachment for looms, a thread moistening device consisting of a cylindrical shell, an inlet opening into said shell for the admission of steam, an inner cylindrical shell, said shell having openings in its wall, thread-guiding elements secured to the ends of said shell, and a drain spout opening out of the outer shell.

1,460,973. CAR REPLACER. FREDERICK D. MCGINLEY, Pleasant Beach, N. Y., assignor of one-half to Lucius L. Lacey, Syracuse, N. Y. Filed Aug. 31, 1922. Serial No. 585,383. 11 Claims. (Cl. 104—269.)



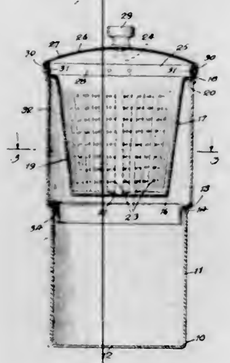
1. A car replacer comprising a base plate having a central lengthwise flange and opposite side flanges in spaced relation thereto, the central flange being of greater height than the side flanges, and a leader plate pivotally mounted upon the base plate, to move laterally, and provided with guide flanges movable into and out of registration with those on the base plate.

1,460,974. COUPLER FOR RAILWAY AND LIKE VEHICLES. FREDERIC A. MACKINNON and JOHN HAMPSON, London, England. Filed June 24, 1921. Serial No. 480,045. 5 Claims. (Cl. 213—80.)



1. In an automatic coupling for railway and like vehicles, the combination with the draw hook and a pivoted shackle of a pivoted member provided with a lower hook adapted to engage a shackle of an adjacent vehicle when said last mentioned shackle is in engagement with said draw hook, and with an upper hook, adapted to engage the shackle of an adjacent vehicle.

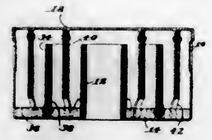
1,460,975. COOKING UTENSIL. WILLIAM P. MILLER, Brooklyn, and NICHOLAS J. KARAYANIS, New York, N. Y. Filed Sept. 16, 1922. Serial No. 588,611. 3 Claims. (Cl. 53—2.)



1. A cooking utensil, comprising an outer imperforate pot member, a separate supporting band member having its upper portion larger than the wall of the outer pot member for allowing the pot member to be removably nested in the band member, and having its lower end portion reduced for insertion in the outer pot member as well as providing an annular shoulder whereby the band member may be removably supported on the edge of the wall of the outer pot member, and an inner pot member having at its upper end an annular shoulder larger than the band member and larger than the outer pot member, the portion of the inner pot member below its shoulder being reduced as well as being tapered and the tapered portion with the bottom of the inner pot member also being fluted with spaced perforations in the outer side wall parts of each flute.

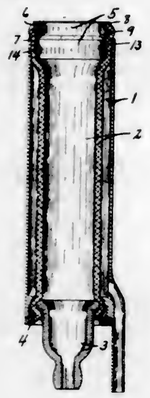
1,460,976. APPARATUS FOR CLEANING AIR. GEORGE H. NOBBS, Watertown, Mass. Filed Jan. 18, 1921. Serial No. 438,223. 8 Claims. (Cl. 183—21.)

8. In combination, means for establishing a current of air to be cleaned, a rigid wall having a felt surface holding oil non-evaporative at the normal temperature



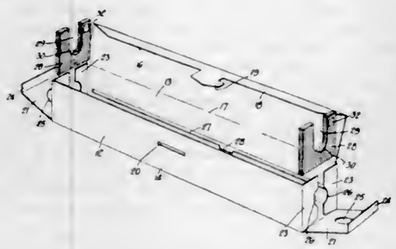
of use, said wall being set for said current to impinge thereon and being adapted to deflect said current.

1,460,977. TEAT CUP. CLYDE ODEN and HENRY R. MOORE, Syracuse, N. Y., assignors to Nu-Way Milker Company, Syracuse, N. Y., a Corporation of New York. Filed Feb. 25, 1920. Serial No. 361,116. 7 Claims. (Cl. 31—102.)



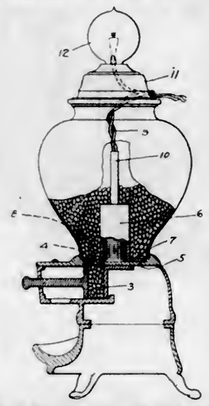
1. In a teat cup a tubular mouth piece having a pair of circumferential channels in its periphery.

1,460,978. MUSIC-ROLL CONTAINER. BERNARD V. O'NEILL, New York, N. Y. Filed Jan. 15, 1921. Serial No. 437,501. 6 Claims. (Cl. 84—161.)



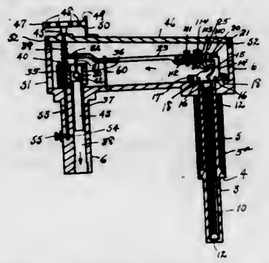
1. A container for player piano music rolls to afford means to permit of the playing and rewinding of the roll without removing the same from the container, comprising a weighted means carried by the container for balancing the same on the roll while said roll is rotating.

1,460,979. MEANS FOR HEATING THE CONTENTS OF VENDING MACHINES. CHARLES L. PAINE, Indianapolis, Ind. Filed May 30, 1921. Serial No. 476,889. 12 Claims. (Cl. 34—21.)



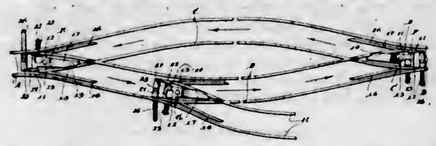
1. A vending machine for peanuts and the like comprising a heat-generating device encased in a protecting element and positioned in contact with the contents of the machine, whereby such contents may be maintained in heated condition without scorching.

1,460,980. GAS GOVERNOR FOR TYPESETTING MACHINES. HOWARD W. PARTLOW, Utica, N. Y. Filed Jan. 15, 1920. Serial No. 351,711. 16 Claims. (Cl. 236—33.)



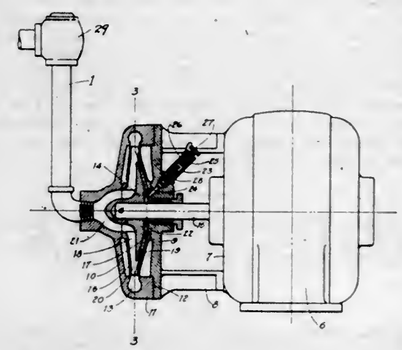
12. A thermostatic governor comprising a heater-controlling member, a heat-expansible member, a lever for operating the first member, and a pair of levers interposed between the first lever and the expansible member and each directly engaging the same and cooperatively forming the sole support therefor.

1,460,981. AUTOMATIC RAILROAD SWITCH. THOMAS M. PRIM, Ontario, Calif. Filed Sept. 26, 1922. Serial No. 590,691. 10 Claims. (Cl. 246—320.)



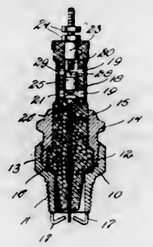
3. A switch of the character described, comprising a switch body pivoted at one end, a pair of rails carried by said body, and an arm rigidly secured to and extending forwardly from the pivoted end of said body to be operated by the wheels of rolling stock for shifting said body carrying the said switch rails.

1,460,982. DOMESTIC WATER-SERVICE SYSTEM. CHESTER E. RECORDS, Anderson, Ind. Filed Mar. 31, 1922. Serial No. 548,449. 5 Claims. (Cl. 103—7.)



1. A pump for pressure systems, including a casing, an impeller therein having independent blades, each of said blades being interiorly formed to provide a water channel and an air channel, these channels delivering into a main channel at the end of the blade, the impeller having a hub spaced from the casing at one end to provide an air pocket with which the air channels communicate, means open only to inward flow for admitting air to said air pocket, the opposite end of the hub having an annular space in communication with a water supply, said annular space being in open communication with the water channels of the blades, the casing having a fluid-pressure outlet channel in substantially direct open communication with the main channels of the blades, and means for operating the impeller.

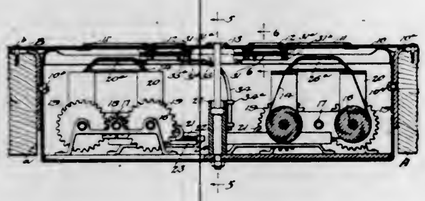
1,460,983. SPARK PLUG. JOHN C. ROWAN, South Atlanta, Ga., assignor of one-half to Willis Dobbs, Atlanta, Ga. Filed Sept. 26, 1921. Serial No. 508,226. 1 Claim. (Cl. 123—169.)



A spark plug comprising a shell, an insulating bushing arranged therein, a plurality of ground electrodes depending and converging from said shell, a main electrode passed through said bushing and including a plurality of spaced sections, said sections being arranged end to end and slightly spaced apart to provide a plurality of gaps in the length of the electrode, the upper section being screw threaded its entire length, an interiorly threaded bushing carried by the upper end of the insulating bushing and the threads of which being adapted to engage the threads of the upper section, the lower section being the longest and adapted to pass through the greater portion of said bushing and having its lower end in near contacting engagement with the free ends of the first mentioned electrodes, the intermediate sec-

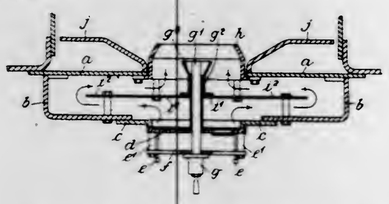
tion being screw threaded its entire length, a second intriorly threaded bushing carried by the insulating bushing adjacent the first mentioned interiorly threaded bushing and adapted to have its screw threads engage the screw threads of the intermediate section, a kerf provided on the upper end of the intermediate section and adapted to facilitate the rotation thereof, a kerfed nut surrounding the kerfed end of the intermediate section and adapted to lock said intermediate section in a predetermined position, said insulating bushing being provided with passages aligned with the gaps of the main electrode and a transparent member surrounding said insulating bushing and adapted to cover said passages as and for the purpose specified.

1,460,984. INDICATOR FOR CAR SEATS. NICHOLAS J. RYAN, Tuckahoe, N. Y. Filed Aug. 25, 1922. Serial No. 584,299. 4 Claims. (Cl. 40—86.)



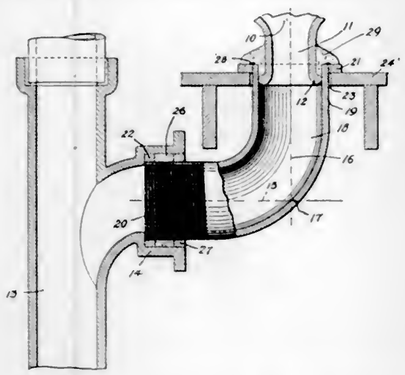
1. An indicator for car seats including a casing, a display web, said casing having a window for the viewing of said web, and having a second window, winding means for the web including a pinion, a pawl engageable with said pinion, a legend bearing slide movable to or from said second window, latch means to hold said slide at the window, a spring tending to move the slide away from the second window, a turnable key-operated element, and means on said element to release said pawl and said latch means.

1,460,985. FURNACE. LANCELOT EUSTACE SMITH, South Shields, Cornelis Zulver, London, and HERBERT ALEXANDER THOMPSON, North Shields, England. Filed Aug. 14, 1922. Serial No. 581,818. 3 Claims. (Cl. 110—22.)



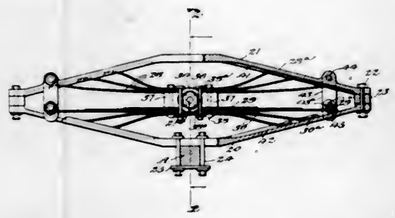
1. A natural draft furnace front adapted for conversion to the use of either solid or liquid fuel comprising the combination of a front plate closing the furnace front except for an opening to the ash pit and having a firing opening of the ordinary four sided form cut into said plate, an inwardly converging baffling cone fitting directly into said firing opening in said plate, an external air heating casing fitted against the plate and about said firing opening in the plate, said air heating casing enclosing a chamber which covers the furnace front and said firing opening and baffling cone and which is open to the cone all around its circumference whereby there is a free air inlet space to the cone all around, and an oil burner extending through the said air chamber and having an inwardly flaring cone located within said baffling cone.

1,460,986. PLUMBING CONNECTION. MICHAEL J. SMITH, Morristown, N. J. Filed Mar. 31, 1921. Serial No. 457,311. 1 Claim. (Cl. 285—204.)



As an article of manufacture for use in combination with a closet bowl having a neck and a soil pipe spaced therefrom at a variable but determinate distance both vertically and laterally, an elbow connection between the bowl and the soil pipe, said elbow connection comprising a rigid metal member having its respective ends externally screw threaded from the ends for a considerable distance to adapt the effective lengths of the ends in practice according to the vertical and lateral distances aforesaid, a flange threaded upon the upper end of the elbow and serving as a vertical support therefor, and a combined flange and abutment threaded upon the other threaded end of the elbow, said flange and abutment members being freely movable along their respective threaded parts according to the specific distances desired in any individual job and the surplus threaded ends being removable from the elbow.

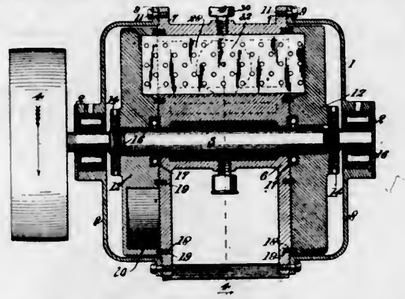
1,460,987. VEHICLE SPRING. WILL ELY STANFORD, Calexico, Calif. Filed May 4, 1922. Serial No. 558,456. 9 Claims. (Cl. 267—47.)



4. A spring assemblage including top and bottom bars, upper and lower series of spring leaves divergent toward their ends bearing respectively against said top and bottom bars, an intermediate series of spring leaves, means to amount the bottom bar on an axle, and means to support vehicle frame parts subject to the tension of said leaves; together with means connecting said bottom bar with a leaf of the intermediate series.

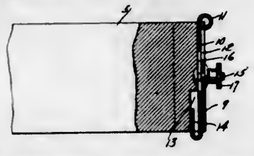
1,460,988. PUMP. DEAN HARPER THOMPSON, Lodi, Calif. Filed Apr. 4, 1921. Serial No. 458,270. 6 Claims. (Cl. 103—123.)

1. In a pump, a housing having a shaft rotatably mounted therein, two wheels having inwardly facing chambers of semi-circular contour and sloping radial sides keyed to said shaft so that their inner surfaces are parallel, and a partition supported in said housing extending between said two wheels, said partition being



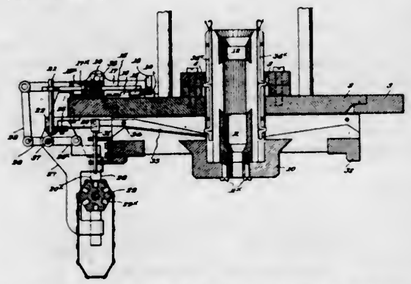
longitudinally divided into sheets movable independently of each other, and an inlet and a discharge arranged on opposite sides of said partition.

1,460,989. LEVEL ATTACHMENT. LEVERETT W. TIFFANY, Winsted, Conn. Filed Nov. 8, 1921. Serial No. 513,674. 3 Claims. (Cl. 33—207.)



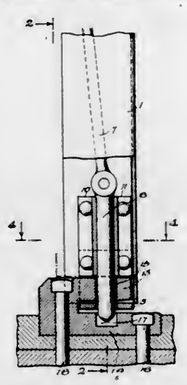
1. A level attachment including in combination with the body of a level formed with a cutout portion adjacent its lower outer edge, of a U-shaped plate secured to said body, the base of said plate being spaced from the end portion of said body, a slide movably interposed between said plate and body, there being enlarged portions forming a part of the upper edge of said slide and being adapted to extend into a slot formed in the upper edge of said plate, an upturned portion forming a part of the lower end of said slide, said upturned portion being adapted to extend into the cutout portion of said body, a screw threaded bolt secured to said plate, and extending through a slot formed in said slide, and a nut carried by said bolt at a point beyond said plate.

1,460,990. JACQUARD MECHANISM FOR CIRCULAR-KNITTING MACHINES. LOUIS TOTH, COLOMAN KONYVES, and FRANK STRIEFFLER, Philadelphia, Pa. Filed May 5, 1922. Serial No. 558,588. 4 Claims. (Cl. 66—21.)



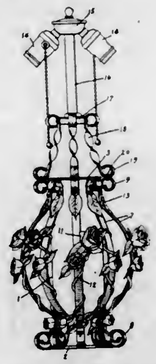
1. The combination in a circular knitting machine, of a base, a rotary table, a circular series of vertically-movable needles carried by the table, a group of needle-raising levers carried by the base, pins connected to and pendent from the outer arms of the levers, a hexagonal roller with sockets in its sides disposed under the pins, a pattern with sets of apertures on the roller, gravitational means carrying said roller, means to turn the roller through a part of a revolution on downward movement of the gravitational means, means controlled by the rotary table to raise and release said gravitational means, and means controlled by the rotary table to depress the pins, the latter means including resilient connections, one to each pin.

1,460,991. SLIDING-DOOR FASTENER. HOWARD M. VAN ALSTYNE, Rensselaer, N. Y. Filed Aug. 2, 1922. Serial No. 579,296. 4 Claims. (Cl. 292—36.)



3. A door construction which includes a slidable door having an end portion, a reenforcing member fastened to said end portion and extending along its length, door stopping means fastened to the body of the car adjacent the ends of the door, and a strap on the end of the reenforcing member to engage with the stop member, the engagement of the strap and stop members locking the door in all but one possible direction of movement.

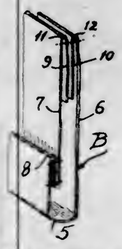
1,460,992. ORNAMENTAL LAMP STAND. CHRISTIAN VEHLING, Indianapolis, Ind. Filed Mar. 28, 1922. Serial No. 547,498. 3 Claims. (Cl. 240—81.)



1. In an ornamental lamp stand, a cylindrical base of uniform diameter throughout its length and having a solid integral lower end and open at its upper end, a cap fitting over the open end of said base, clips within said base, bolts for removably securing said clips to said cap

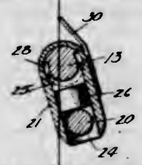
and base, a plurality of strips exteriorly of said base and extending from end to end thereof, a portion of the lower ends of said strips extending parallel with said base and the remainder of the strips above said paralleling portions being outwardly bowed, means for ornamenting said strips, and bulb supporting sockets above said base.

1,460,993. GARMENT POCKET. GEORGE W. WALKER, Oakland, Calif. Filed June 26, 1922. Serial No. 570,778. 1 Claim. (Cl. 2—15.)



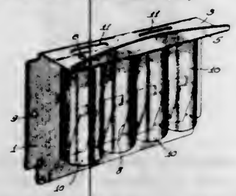
A pocket for garments including front and back portions stitched together along the side edges of the portions, the ends of the portions being turned inwardly at the opening into the pocket and providing flaps extending downwardly into the pocket, the side edges of the flaps being stitched to the front and back portions of the pocket by the said stitches along the side edges of said front and back portions, substantially as and for the purpose described.

1,460,994. FISHING REEL. JOHN T. WELCH, Dowagiac, Mich., assignor to James Heddon's Sons, Dowagiac, Mich., a Corporation of Michigan. Filed May 23, 1921. Serial No. 471,813. 7 Claims. (Cl. 242—84.4.)



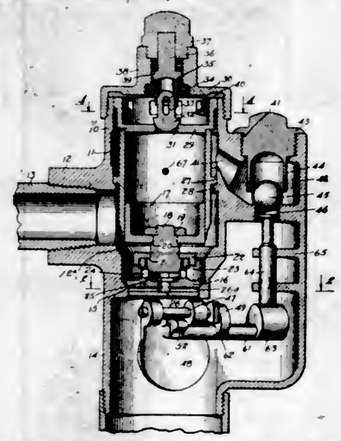
6. In a fishing reel, the combination of a spool shaft, a traversing shaft, a steady bar, and a carriage having spaced openings through which pass, respectively, the traversing shaft and steady bar to provide a mounting for the carriage, there being a third opening within the carriage connecting the other two, and means within said third opening engaging both with the steady bar and with the traversing shaft to provide a driving connection from the latter to the carriage, substantially as described.

1,460,995. TOOTHBRUSH HOLDER. WALTER W. WELPLEY, Detroit, Mich., assignor of one-half to Grant L. Cook, Detroit, Mich. Filed Feb. 9, 1922. Serial No. 535,286. 4 Claims. (Cl. 248—63.)



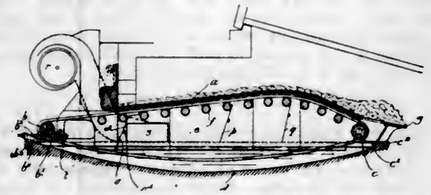
1. In a tooth brush holder wherein a brush is inserted in a bottom open end of the holder, a back piece bent to provide a shelf and cut and stamped to provide outstruck resilient members, and tubular containers having open ends and adapted to be placed on said resilient members with the upper ends of said containers closed by the shelf of said back piece, said resilient members adapted to hold brushes in said containers against front walls thereof.

1,460,996. FLUSHING VALVE. WILLIAM SEARS WHITE, Denver, Colo. Filed May 3, 1921. Serial No. 466,565. 10 Claims. (Cl. 137—93.)



1. A flushing valve including a reservoir having an inlet and an outlet, a piston in the reservoir above the inlet, a valve pendent from the piston and movable relatively thereto and adapted to close said outlet, said valve having a passage therethrough, and an auxiliary valve carried by the piston and adapted to close said passage by a movement of the piston toward the first-named valve.

1,460,997. MECHANICAL STOKER. WILFRED ROTHERY WOOD, London, England. Filed Jan. 6, 1921. Serial No. 435,484. 7 Claims. (Cl. 110—40.)



1. An endless traveling grate stoker comprising an upper run, a stage at the rear of the upper run from which the clinker and ashes are discharged, a lower run and a water trough the surface of the water in which is freely exposed to radiation from the said upper run while a portion of the said lower run travels beneath the surface of the water.

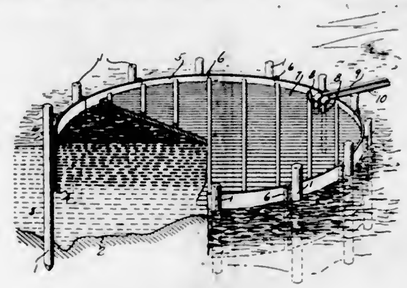
1,460,998. PIN CLASP. JOSEPH ZANGRILLI, New York, N. Y. Filed Mar. 22, 1923. Serial No. 626,973. 4 Claims. (Cl. 24—87.)



1. In a pin-clasp of the kind described including a main central structure and a pair of relatively movable pins

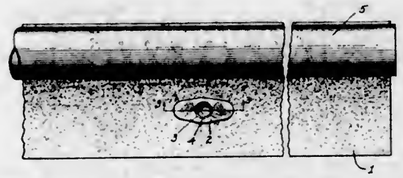
carried by the main structure and having oppositely directed points offset from the main structure and normally spring-urged toward each other, the combination of means for thus spring-urging such pins while maintaining one of the pins slidable on the main structure, said means including a member slidably mounted on the main structure, said member including a length of strip metal of a uniform rectangular cross-section substantially from end to end, said member at one end being split to provide oppositely bent tongues, and an expansile coil spring on the member and restrained between said tongues and a part of the main structure.

1,460,999. TANK. ARTHUR LPILLMAN COOPER, Santa Monica, Calif. Filed Dec. 13, 1921. Serial No. 522,099. 2 Claims. (Cl. 220—85.)



1. An oil tank including an open ended casing adapted to be partially submerged in water, means surrounding and engaging the casing to prevent lateral displacement thereof, and a floating cover positioned in one end of said casing.

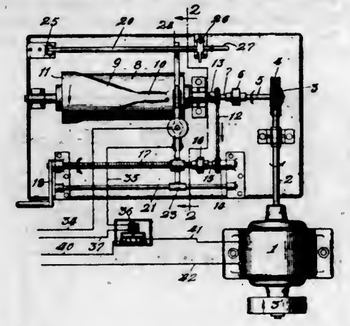
1,461,000. METHOD OF MAKING INNER TUBES. ERNEST L. FULLER, Akron, Ohio, assignor to The Goodyear Tire & Rubber Company, Akron, Ohio, a Corporation of Ohio. Filed Aug. 16, 1920. Serial No. 403,685. 7 Claims. (Cl. 154—14.)



6. The method of making inner tubes that comprises disposing a valve patch upon a sheet of uncured rubber, disposing a metallic-cutting-element in an opening of the valve patch, rolling the sheet to form a tube, wrapping the tube with a fibrous strip to compact it and effect a cutting thereof by the metallic-cutting-element, subjecting the tube to heat to vulcanize the rubber, and removing the metallic-cutting-element from the cured rubber.

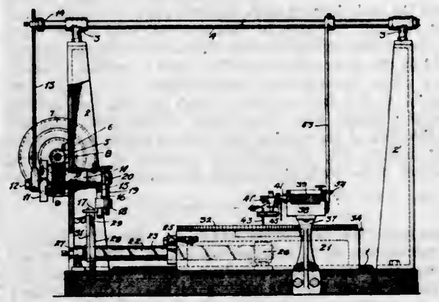
1,461,001. MOTOR AND MEANS FOR CONTROLLING THE SAME. EDWARD VASSALLO HARTFORD, Deal, N. J.; Henrietta Pollitzer Hartford administratrix of said Edward V. Hartford, deceased. Filed July 24, 1918. Serial No. 246,427. 15 Claims. (Cl. 171—222.)

1. The combination with a series electric motor and means operated thereby for intermittently supplying energy to said motor, said means comprising a cam element and contacts operated thereby of means for varying



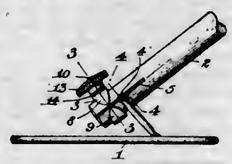
the period of energization, and a speed-responsive means controlling the last mentioned means whereby constant speed at varying loads is maintained.

1,461,002. RULING MACHINE. WILLIAM H. HOPE, Providence, R. I. Filed July 15, 1921. Serial No. 485,124. 19 Claims. (Cl. 33—32.)



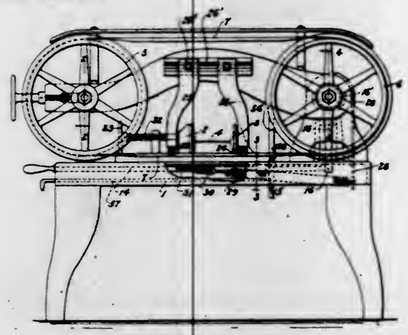
1. A ruling machine comprising a bed having end uprights, a shaft journaled on the uprights above the bed, a second shaft journaled on one upright, a slide bar secured to the second shaft, a crank pin adjustable on the slide bar, a rocker arm fixed to the first shaft, a connecting rod between the rocker arm and the crank pin, a work carriage, a cutter carriage, a bridge supporting the latter over the work carriage for movement, a second rocker arm fixed to the first shaft and engaging the cutter carriage for effecting movement thereof, and a cutter carried by the second carriage.

1,461,003. POLISHING MOP. FRANK J. LEARMAN, Buffalo, N. Y., assignor to Buffalo Specialty Company, Buffalo, N. Y., a Corporation of New York. Filed May 8, 1920. Serial No. 379,853. 8 Claims. (Cl. 15—229.)



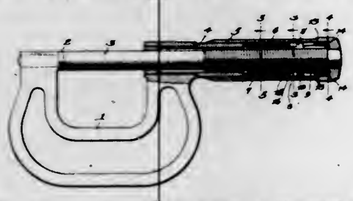
1. The combination of a handle having a longitudinal slot therein, a mop head having a transverse pivot-portion extending through the slot of said handle, and clamping means on said handle between the end thereof and said pivot portion whereby said pivot-portion is clamped within said handle yet permitted to rotate therein.

1,461,004. HACK-SAW MACHINE OF THE CONTINUOUS-BAND TYPE. CHARLES NAPIER, Springfield, Mass., assignor to the Henry G. Thompson & Son Company, New Haven, Conn., a Corporation of Connecticut. Filed Dec. 20, 1920. Serial No. 431,812. 4 Claims. (Cl. 29—68.)



1. A metal sawing machine comprising work clamping means, and relatively movable band saw supporting means having a driving pulley and a guiding pulley, a continuous band saw mounted upon and operated by said pulleys with its leads located upon opposite sides of a plane passing through the axes of said pulleys, said blade being twisted when applied to said pulleys to cause the cutting field of the progressively moving blade to extend normally in a plane substantially perpendicular to a plane tangential to the face of one of said pulleys, and guiding means engaging the cutting lead of said blade adjacent to the ends of the cutting field thereof acting to maintain and insure said perpendicular position of the cutting portion of the blade throughout the entire cutting field.

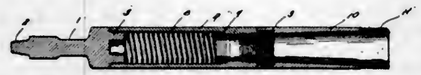
1,461,005. MICROMETER CALIPER. JOHN W. PARKER, Barrington, R. I., assignor to Brown & Sharpe Manufacturing Company, Providence, R. I. Filed Mar. 15, 1922. Serial No. 543,981. 8 Claims. (Cl. 33—164.)



1. In a micrometer caliper having a threaded spindle and a barrel having interior threads, a sleeve interiorly threaded to engage the threads of the spindle and having exterior threads on each end; the exterior threads on the inner end of the sleeve engaging the threads of the barrel, a collar rigid on the sleeve between its ends to rotate the sleeve, a lock nut on the threads on the inner end of the sleeve abutting the outer end of the barrel, the outer end of the sleeve having longitudinal spaced slots and the exterior threads of said outer end of the sleeve being tapered, and a compensating nut on the tapered threads on the outer end of the sleeve for moving the interior threads of said outer end of the sleeve into engagement with the spindle threads upon wear of the latter.

1,461,006. FISHING TOOL. VIRGIL W. SWOVELAND, Tulsa, Okla. Filed June 1, 1920. Serial No. 385,592. 9 Claims. (Cl. 294—102.)

1. A fishing tool comprising a jar having a casing provided with a hollow interior portion; a portion of the casing being formed to force a lost drilling tool away from the wall of a well casing and into the hollow interior portion of the jar; means, associated with the jar,



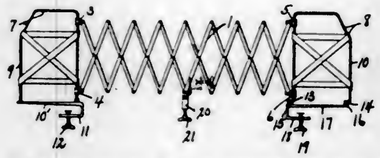
for gripping the lost tool when the jar is lowered into engagement therewith, and means, carried by the jar for severing a rope from the lost drilling tool.

1,461,007. KNITTING NEEDLE. SYDNEY E. TAFT, Framingham, Mass., assignor to Spartan Needle Company, Providence, R. I., a Corporation of Rhode Island. Filed Jan. 29, 1920. Serial No. 354,764. 25 Claims. (Cl. 66.5.)



1. A knitting instrument comprising a yarn drawing member and a sheath having a loop entering element arranged at one side of said yarn drawing member substantially midway between the edges of said sheath.

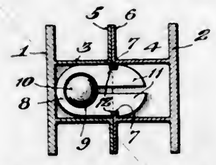
1,461,008. LUGGAGE CARRIER. ERNEST E. CONINE, Cortland, N. Y., assignor to The Brewer-Titchener Corporation, Cortland, N. Y., a Corporation of New York. Filed Dec. 19, 1921. Serial No. 523,598. 4 Claims. (Cl. 224—29.)



1. A luggage carrier for the running boards of automobiles and the like comprising in combination a lazy tongs, rigid end frames, means adapted for securing said end frames to the running board, connecting means at each end of the lazy tongs, said means each comprising members surrounding a member of and between the ends of its respective rigid frame, and one of said means for securing the end frames to the running board having a pivotal connection to its respective end frame to permit the latter to fold flatwise upon the running board.

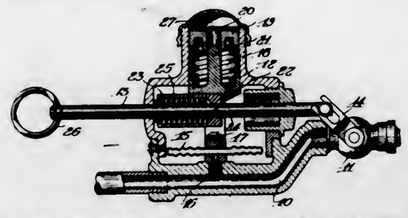
1,461,009. SEPARABLE BUTTON. JOSEPH O. CHABOT, North Attleboro, Mass., assignor to George L. Paine Company, North Attleboro, Mass. Filed Nov. 2, 1922. Serial No. 598,569. 6 Claims. (Cl. 24—102.)

1. In a separable button, a pair of members each having a head, a shank of substantially rectangular cross section and a base, the base of one member being formed with a slot providing abutments which extend into the shank interior, and a catch of substantially U-formation having a circular aperture in its base and having its arms formed with U-shaped cut-outs to receive the



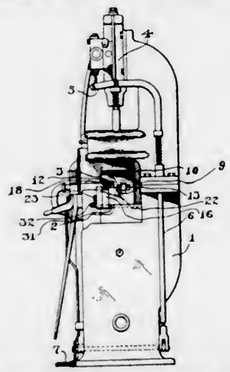
abutments one of the sides of the shank of the other member being formed with a pressed-out part of concavo-convex cross section which extends into the circular aperture of the catch to secure the latter in position.

1,461,010. AUTOMATIC VALVE. SAMUEL S. AMDURSKY, Rochester, N. Y., assignor to Taylor Instrument Companies, Rochester, N. Y., a Corporation of New York. Filed May 29, 1920. Serial No. 385,327. 8 Claims. (Cl. 137—139.)



1. The combination with a source of fluid pressure, of an automatic valve comprising an expansible fluid pressure chamber in communication with said source of pressure, operating means normally tending to open said valve, and a stop member actuated by the expansible chamber cooperating with said means to hold the same in a position closing said valve and adapted to be moved to a position releasing said means when said expansible chamber has been enlarged a given amount under the influence of a predetermined pressure.

1,461,011. FORGING MACHINE. FRANK A. HALLECK, Oak Park, Ill., assignor to Sullivan Machinery Company, a Corporation of Massachusetts. Filed July 11, 1917. Serial No. 179,952. 37 Claims. (Cl. 76—5.)



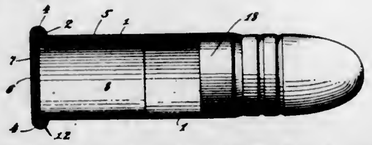
1. Gaging die mechanism comprising a plurality of dies including one die having a gaging groove therein of curved section and of flatter transverse curvature at one end than at the other.

1,461,012. APPARATUS FOR USE IN BLASTING. RHYS D. HARRIS, Seven Sisters, Wales. Filed June 2, 1919. Serial No. 301,300. 2 Claims. (Cl. 86—21.) (Granted under the provisions of the act of Mar. 3, 1921, 41 Stat. L., 1313.)



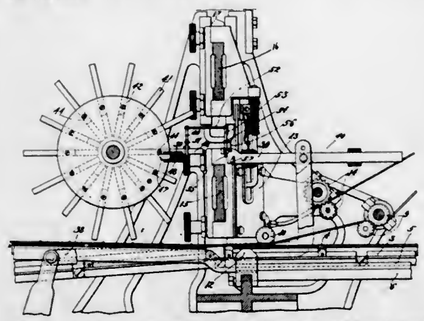
1. An apparatus for use in blasting comprising a detonator carrying tube provided with a transversely disposed handle part having a slot or recess, and a rod slidably mounted within the detonator carrying tube and having a laterally or transversely disposed handle portion adapted to be received into the slot or recess of the transversely disposed handle part of the detonator carrying tube.

1,461,013. RIM-FIRE AMMUNITION. HOWARD D. HODGE, New York, N. Y., assignor to George Ramsey, New York, N. Y. Filed July 13, 1920. Serial No. 395,898. 7 Claims. (Cl. 102—17.)



1. In a rim fire cartridge, a shell adapted to form a suitable powder chamber, a priming retaining rim of relatively soft thin material, a priming composition within said rim, and a re-inforcing cup mounted within the head of said shell and having a portion extending within said rim sufficiently to interlock said cup with said shell, said cup being provided with flame openings to permit the priming material to fire the powder charge within the shell when the priming is ignited, and said openings being sufficiently small to retard the backward flow of gas pressure from the burning powder, thereby preventing excessive powder pressures from reaching the rim of the shell.

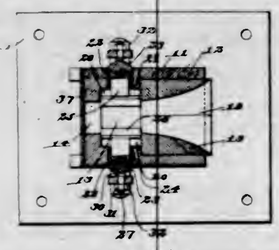
1,461,014. MACHINE FOR USE IN MAKING BOXES. DAVID A. LANDERS, Chicago, Ill., assignor to Wire-bounds Patents Company, Kittery, Me., a Corporation of Maine. Filed Sept. 13, 1919. Serial No. 323,450. 46 Claims. (Cl. 1—8.3.)



45. A machine for use in making wire-bound boxes comprising, in combination, fastener setting mechanism; means to cause relative progression between said mechanism and a succession of work assemblies; means controlling the progression to locate fasteners where desired in a work assembly; and means controlling the progres-

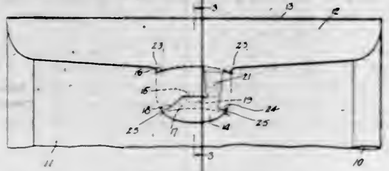
sion during the time a space between work assemblies is passing the fastener-setting mechanism whereby a like location of fasteners will be effected in a succession of work assemblies.

1,461,015. MACHINE FOR MAKING BROOM BUNDLES OR UNITS. HARRY D. NEFF, Cambridge, Mass., assignor to Re-Filit Broom Company, Boston, Mass., a Corporation of Massachusetts. Filed May 14, 1921. Serial No. 469,736. 3 Claims. (Cl. 300—1.)



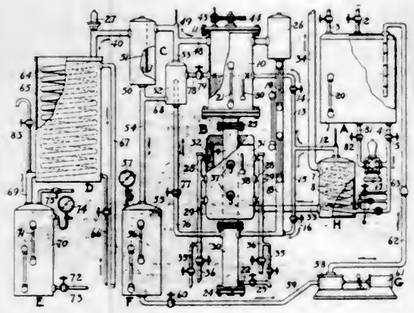
1. In a machine of the class described, the combination of a body member provided with a band holding chamber, a removable block located in the body member in front of said chamber and having a funnel shaped orifice communicating with said chamber, and crimping means movable laterally with respect to said chamber.

1,461,016. LOCKING-TONGUE ENVELOPE. GEORGE R. PERRY, Brooklyn, N. Y., assignor to Western Envelope Corporation, Brooklyn, N. Y., a Corporation of New York. Filed Nov. 19, 1921. Serial No. 516,417. 1 Claim. (Cl. 229—84.)



In an envelope, the combination with a sealing flap and panel for co-operation therewith, of a locking tongue carried by the sealing flap, said panel having two transverse openings through which the tongue is projected successively in interlocking position, the transverse opening through which the tongue passes last having a lip projecting away from the sealing flap, said tongue having a transverse slot into which said lip projects in locking position, and the tongue being provided along its edges with a pair of hooks for engagement with the transverse opening having the lip.

1,461,017. APPARATUS FOR THE CONVERSION AND TRANSFORMATION OF LIQUIDS, FLUIDS, AND OILS. JOSEPH H. ADAMS, Flatbush, N. Y., assignor to The Texas Company, Houston, Tex., a Corporation of Texas. Filed Dec. 5, 1917. Serial No. 205,528. 22 Claims. (Cl. 196—14.)



12. In apparatus for converting high boiling hydrocarbon oil into lower boiling products, the combination of a converter, an outlet discharge pipe therefor located at a predetermined height immediate its ends, an inlet pipe communicating with said converter, means for continuously passing liquid oil through said inlet pipe into said converter and, in serving in conjunction with said outlet pipe to maintain a substantially constant oil level therein, a furnace surrounding said converter above its lower end for externally applying cracking heat under super-atmospheric self-imposed vapor pressure to the oil therein, and means for returning to said converter for retreatment the liquid oil discharged therefrom.

Patents Nos. 1,461,018 to 1,461,716.

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Issue of July 10, 1923.

Trade-Marks	416—No.	169,946 to No.	170,361, inclusive.
T. M. Renewals	14		
Labels	59—No.	26,161 to No.	26,219, inclusive.
Prints	32—No.	6,787 to No.	6,818, inclusive.
Reissues	9—No.	15,644 to No.	15,652, inclusive.
Designs	30—No.	62,630 to No.	62,659, inclusive.
Patents	699—No.	1,461,018 to No.	1,461,716, inclusive.
Total	1259		

Changes in the Directory of the Patent Office.

The following changes in the Directory of the Patent Office are announced:

First Assistant Examiner C. F. Haden, Acting Examiner in charge of Division II, promoted to Principal Examiner June 16, 1923, in charge of the same division.

The Chief Clerk's office has been moved to Room 204.

Division XXXVI has moved to Room 265.

Since the death of Principal Examiner Mitchell on May 27, 1923, Acting Examiner O. F. Hunter has been in charge of Division X.

ADJUDICATED PATENTS.

(U. S. C. C. A. 4th.) Wood patent, 1,182,439, for vanes for centrifugal pumps, *Held* not anticipated, valid, and infringed. *Atlantic, Gulf & Pacific Co.* v. *Wood*, 288 Fed. Rep., 148.

Interference Notices.

U. S. PATENT OFFICE, *Washington, June 21, 1923.*

Richard L. Clements, his assigns or legal representatives, take notice:

An interference having been declared by this Office between the patent granted December 26, 1922, No. 1,440,057, to Richard L. Clements, care of J. E. Regan Machine Works, 76 Seventh Street, Long Island City, N. Y., and an application for patent filed by Melchior Armato, 1284 Clybourn Avenue, Chicago, Ill., and a notice of such declaraton sent by registered mail to said Clements at the address of record and reforwarded to 4 Ketcham Place, Elmhurst, N. Y., the address furnished by his attorney, having been returned by the post office undeliverable, notice is hereby given that unless said Clements, his assigns or legal representatives, shall enter an appearance therein within thirty days from the first publication of this order the interference will be proceeded with as in case of default.

This notice will be published in the OFFICIAL GAZETTE for three consecutive weeks.

KARL FENNING,
Acting Commissioner.

U. S. PATENT OFFICE, *Washington, June 15, 1923.*

Adolf Bromberg, his assigns or legal representatives, take notice:

An interference having been declared by this Office between the application for patent filed by Adolf Bromberg, 167 Wooster Street, New York, N. Y., and an application for patent filed by Elmer S. Rutter, 510 Palisade Avenue, Weehawken Heights, N. J., and a notice of such declaration sent to said Bromberg at the said address having been returned by the post office undeliverable, notice is hereby given that unless said Bromberg, his assigns or legal representatives, shall enter an appearance therein within thirty days from the first publication of this order the interference will be proceeded with as in case of default.

This notice will be published in the OFFICIAL GAZETTE for three consecutive weeks.

THOMAS E. ROBERTSON,
Commissioner.

Disclaimer.

1,423,053.—*George Edgar Hazard*, Rochester, N. Y. AUTOMOBILE-DRIVEN TIRE PUMP. Patent dated November 25, 1919. Disclaimer filed June 22, 1923, by the patentee and the assignee, *Kellogg Manufacturing Co.*

Hereby enter this disclaimer to said claim of the specification of said Letters Patent, which claim is as follows:

"4. An improved automobile tire pump structure, comprising an eccentric case containing a lubricant, a cylinder mounted thereon, a separating wall between the lower end of the cylinder and at the top of the case, a piston in the cylinder, an operating shaft in the case, a separating wall having a piston rod bearing opening, and a piston rod passing through the said opening and operatively connecting the piston and operating shaft."

Notice Regarding Payment of Fees.

All fees must be paid in advance. Payment of money required for Office fees *must* be made in specie, Treasury notes, national-bank notes, post-office money orders, or certified checks. Money orders and checks must be made payable to the "Commissioner of Patents." Money sent by mail to the Patent Office will be at the risk of the sender. (See Rule 194.)

Certified checks, bank drafts, express and foreign money orders must be immediately negotiable in this country and for the full amount of the fee required by the Patent Office. No allowance can be made by this Office for any charge for their collection or exchange. Postage stamps will not be accepted. Failure to comply with the above instructions will cause delay.

Condition of Applications Under Examination at Close of Business June 29, 1923.

Room No.	Total number of applications awaiting action, excluding Trade-Mark Division, 74,600; Trade-Mark Division, 3,822. Oldest new case, Aug. 17, 1922; oldest amended, Aug. 21, 1922. The dates given are 1922 except where * indicates 1923.) Divisions, Examiners, and subjects of inventions.	Oldest new application and oldest action by applicant awaiting office action. New.	Amended.	No. of applications awaiting action.
314	1. LOEFFLER, F. A., Closure Operators: Fences; Gates; Harrows and Diggers; Plows; Planting; Scattering Unloaders; Trees, Plants, and Flowers.	Sept. 29	Sept. 23	1,241
128	2. HADEN, C. F. (Acting), Bee Culture; Dairy; Preserving; Presses; Tents, Canopies, Umbrellas, and Canes; Tobacco.	Sept. 1	Sept. 12	1,562
175	3. RICH, WM. J., Electric Heating and Rheostats; Electrochemistry; Heating; Metal Founding; Metallurgical Apparatus; Metallurgy; Metal Treatment; Plastic Metal Working.	Sept. 2	Sept. 9	1,752
234	4. MERRITT, A. D., Conveyers, Chutes, Skids, Guides, and Ways; Conveyers, Fluid Current; Conveyers, Power Driven; Excavating; Handling—Hand and Hoist-Line Implements; Material or Article Handling; Pushing and Pulling Implements; Railway Mail Delivery; Traversing Hoists.	Sept. 14	*Feb. 14	1,499
167	5. MACNAB, J. F., Bookmaking; Books, Strips, and Leaves; Harvesters; Jewelry; Manifolding; Music; Printed Matter; Tying Cords or Strands.	Sept. 1	Sept. 14	1,428
318	6. LEWERS, A. M., Bleaching and Dyeing; Chemicals; Chemistry—Carbon Compounds; Explosive, Pyrotechnic, and Match Compositions; Fertilizers; Liquid Coating Compositions; Medicines; Plastic Compositions; Substance Preparation.	Sept. 12	*Feb. 8	1,830
312	7. JARBOE, C. G., Games and Toys; Optics; Photography	Sept. 2	Nov. 23	2,680
133	8. CLIFT, J. W., Beds; Chairs and Seats; Furniture; Kitchen and Table Articles; Store Furniture; Supports.	*Jan. 2	*Mar. 23	1,551
221	9. TRYON, F. M., Air and Gas Pumps; Hydraulic Motors; Injectors and Ejectors; Motors, Fluid; Motors, Fluid Current; Pumps.	Oct. 5	*May 18	834
235	10. MITCHELL, T. H., Land Vehicles; Land Vehicles, Animal Draft Appliances; Land Vehicles—Bodies and Tops; Land Vehicles—Dumping; Land Vehicles, Wheel Substitutes; Motor Vehicles.	Sept. 15	Oct. 10	1,480
154	11. ARMSTRONG, H. C., Boot and Shoe Making; Boots, Shoes, and Leggings; Button, Eyelet, and Rivet Setting; Harness; Hides, Skin, and Leather; Leather Manufactures; Nailing and Stapling; Whips and Whip Apparatus.	*Jan. 2	Nov. 7	989
322	12. PIERCE, P. P., Machine Elements	Nov. 5	Dec. 26	1,470
329	13. NIXON, G. A., Bolt, Nail, Nut, Rivet, and Screw Making; Chain, Staple, and Horseshoe Making; Driven, Headed, and Screw-Threaded Fastenings; Gear Cutting, Milling, and Planing; Metal Drawing; Metal Forging and Welding; Metal Rolling; Metal Working; Needle and Pin Making; Turning.	Sept. 8	*Mar. 15	1,233
323	14. BRUMBAUGH, N. J., Compound Tools; Cutting and Punching Sheets and Bars; Farriery; Metal Bending; Metal Tools and Implements, Making; Sheet-Metal Ware, Making; Tools; Wire Fabrics and Structure; Wire Working.	Sept. 1	*May 12	1,180
308	15. REDROW, W. L., Glass; Laminated Fabric and Analogous Manufactures; Paper Making and Fiber Liberation; Plastic Block and Earthenware Apparatus; Plastics.	Sept. 14	Oct. 18	2,108
112	16. BACKUS, C. D., Radiant Energy Telegraphy; Telephony	Sept. 2	Sept. 1	2,478
307	17. RAFTER, G. S., Coating, Label Pasting, and Paper Hanging; Nut and Bolt Locks; Ornamentation; Paper Manufactures; Printing; Type Casting; Sheet-Material Association or Folding; Sheet or Web Feeding or Delivering; Type Setting.	Sept. 5	Dec. 2	1,498
229	18. PORTER, M. E., Liquid Heaters and Vaporizers; Motors, Expansible-Chamber Type; Power Plants; Speed-Responsive Devices.	Aug. 17	Sept. 1	2,052
236	19. GLASCOCK, E. S., Automatic Temperature and Humidity Regulation; Furnaces; Heating Systems; Stoves and Furnaces; Thermostats and Humidostats.	Nov. 23	*Mar. 22	763
179	20. WRIGHT, H., Artificial Body Members; Miscellaneous Hardware; Closure Fasteners; Cutlery; Dentistry; Locks and Latches; Sales; Undertaking.	Nov. 3	Nov. 20	2,056
212	21. THURBER, W. L., Textiles; Textiles, Braiding, Netting, or Lace Making; Textiles, Cloth Finishing; Textiles, Fiber Preparation; Textiles, Knitting; Textiles, Spinning; Textiles, Twisting or Twining; Textiles, Weaving; Winding and Reeling.	Aug. 30	*Jan. 16	1,023
249	22. COLWELL, J. H., Aeronautics; Firearms; Ordnance; Ammunition and Explosive Devices; Ammunition and Explosive-Charge Making; Air Guns, Catapults, and Targets; Boats and Buoys; Ships; Marine Propulsion.	Oct. 4	*Jan. 2	619
217	23. GROESBECK, W. D., Acoustics; Coin Handling; Recorders; Registers Sound Recording and Reproducing.	Sept. 7	Sept. 14	889
141	24. DURAS, C. O., Apparel; Apparel Apparatus; Garment Supporters; Sewing Machines	Sept. 8	Nov. 24	1,460
315	25. LIGHTFOOT, J. H., Agitating; Butchering; Centrifugal-Bowl Separators; Mills; Threshing; Vegetable Cutters and Crushers; Gas Separation.	*Jan. 26	*Jan. 15	526
105	26. HODGES, J. S., Electricity, Generation; Motive Power; Prime-Mover Dynamo Plants	Sept. 11	Sept. 23	940
214	27. ANDERSON, L. S., Abrading; Brush, Broom, and Mop Making; Brushing, Scrubbing, and General Cleaning; Laundry; Washing Apparatus.	Sept. 9	Sept. 13	2,109
225	28. BENSON, A. R., Internal-Combustion Engines	Oct. 11	Nov 18.	1,495
147	29. MORRIS, B. N., Boring and Drilling; Button Making; Chucks or Sockets; Coopering; Tool-Handle Fastenings; Wheelwright Machines; Wood Sawing; Wood Turning; Woodworking; Woodworking Tools.	Oct. 6	Dec. 18	712
152	30. SULLIVAN, M. R., Illuminating Burners; Illumination; Liquid and Gaseous Fuel Burners; Typewriting Machines.	Sept. 5	*Feb. 2	2,009
172	31. HOLMES, W. N., Alcohol; Ammonia, Water, and Wood Distillation; Charcoal and Coke; Gas, Heating and Illuminating; Hydraulic Cement and Lime; Mineral Oils; Oils, Fats, and Glue; Sugar and Salt.	Sept. 9	Sept. 7	1,697
278	32. BANCROFT, J. F., Gas and Liquid Contact Apparatus; Heat Exchange	Sept. 5	Oct. 12	1,378
70	33. WYMAN, W. L., Bridges; Hydraulic and Earth Engineering; Masonry and Concrete Structures; Metallic Building Structures; Roads and Pavements; Roofs; Rod Joints or Couplings; Pipe Joints or Couplings; Valved Pipe Joints or Couplings.	Oct. 16	Oct. 21	1,639
304	34. SIMPSON, G. R., Electricity-Transmission to Vehicles; Pneumatic Dispatch; Railways; Railway Rolling Stock; Railway Switches and Signals; Railways, Surface Track; Railway Wheels and Axles; Store Service, Track Sanders; Vehicle Fenders.	Dec. 6	*Jan. 20	824
52	35. REYNOLDS, E. C., Buckles, Buttons, Clasps, Etc.; Card, Picture, and Sign Exhibiting; Signals and Indicators; Toilet.	*Jan. 25	*Mar. 15	1,113
204	36. MORTON, G. L., Automatic Weighers; Driers; Geometrical Instruments; Measuring Instruments; Force Measuring.	Dec. 13	Nov. 23	2,011
107	37. TAYLOR, E. C., Electricity, Circuit Makers and Breakers	Sept. 5	Sept. 6	1,961
378	38. IDE, G. R., Animal Husbandry; Earth Boring; Fishing, Trapping, and Vermin Destroying; Mining, Quarrying, and Ice Harvesting; Stationery; Stoneworking; Wells.	Sept. 16	Sept. 1	1,911
220	39. COWLES, A. W., Fluid-Pressure Regulators; Multiple Valves; Valves; Water Distribution	Sept. 6	Sept. 8	1,455
269	40. OBERLIN, J. J., Baggage; Bottles and Jars; Cloth, Leather, and Rubber Receptacles; Deposit and Collection Receptacles; Metallic Receptacles; Package and Article Carriers; Paper Receptacles; Special Receptacles and Packages; Woolen Receptacles.	Sept. 11	*Feb. 14	2,091
125	41. BROWN, J. L., Land Vehicles, Wheels and Axles; Resilient Tires and Wheels	Dec. 9	Oct. 24	928
119	42. CUTTING, H. O., Electrical Conduits and Housings; Electric Signaling; Electric Lamps	Oct. 5	Oct. 30	1,677
382	43. HOPKINS, F. M., Baths and Closets; Electricity, Medical and Surgical; Fire Extinguishers; Sewerage; Surgery; Liquid Separation or Purification.	Oct. 3	Oct. 5	1,326
253	44. SHAFFER, C. H., Bread, Pastry, and Confection Making; Dispensing; Dispensing Beverages; Filling and Closing Portable Receptacles; Railway Draft Appliances; Refrigeration.	Sept. 1	*Jan. 17	1,234
379	45. GILES, A. H., Journal Boxes, Pulleys, and Shafting; Lubrication; Motors; Spring Devices	Sept. 11	Oct. 11	1,547
332	46. WOLCOTT, C. L., Curtains, Shades, and Screens; Educational Appliances; Fire Escapes; Ladders; Fluid Sprinkling, Spraying, and Diffusing; Paper Files and Binders; Wooden Buildings; Scaffolds.	Oct. 24	Nov. 16	1,418
264	47. BARKER, H., Brakes; Clutches and Power Stop Control; Elevators; Fluid-Pressure Brake and Analogous Systems; Horology; Time-Controlling Mechanism.	Oct. 9	*Jan. 8	1,209
118	48. ROEPKE, O. B., Electricity Conductors; Electricity, General Applications	Sept .1	Sept. 1	2,387
383	49. EDINBURG, F. P., Check-Controlled Apparatus; Domestic Cooking Vessels; Fuel and Igniting Devices; Joint Packings; Packed Shaft or Rod Joints; Pneumatics; Velocipedes.	Oct. 11	Aug. 21	690
102	DESIGNS: C. O. MARKHAM (Acting)	Sept. 13	*Jan. 23	2,763
163	TRADE-MARKS, LABELS AND PRINTS: T. L. MEAD, JR. {Trade-Marks	*Feb. 10	*Mar. 28	3,777
	{Labels and Prints	*June 25	*June 25	45

DECISIONS IN PATENT AND TRADE-MARK CASES.

Supreme Court of the United States.

A. BOURJOIS & COMPANY, INC., *v.* KATZEL.

Decided January 29, 1923.

1. TRADE-MARKS—INFRINGEMENT—USE OF TRADE-MARK IN UNITED STATES BY FOREIGN COMPANY AFTER SALE OF ITS BUSINESS IN THE UNITED STATES WITH ITS UNITED STATES TRADE-MARKS.

Where a foreign manufacturing company doing business in the foreign country and also in the United States sells its business in the United States with its good will and trade-marks registered in the United States, and where the assignee goes on with the business, using substantially the same form of container and label, and importing its goods from the foreign country, the foreign company cannot rightfully come to the United States and use its old marks on goods manufactured by it in the foreign country, nor can it, whether for the purpose of evading the effect of the transfer or not, arrange with an agent to sell with the old label.

2. SAME—SAME—SAME—ORIGIN OF GOODS NOT TRULY INDICATED BY FOREIGN TRADE-MARK, SUBSTANTIALLY THE SAME AS UNITED STATES TRADE-MARK, ON FOREIGN GOODS NOT HANDLED BY ASSIGNEE.

It is not accurate to say that the trade-mark here is that of the foreign house and truly indicates the origin of the goods. In the United States it is the trade-mark of the assignee only, and indicates in law that the goods come from the assignee although not made by it.

ON writ of certiorari to the United States Circuit Court of Appeals for the Second Circuit.

Mr. Hans v. Briesen and *Mr. William A. Redding* for the petitioner.

Mr. Manton M. Wybell and *Mr. John B. Doyle* for the respondent.

Mr. Justice HOLMES delivered the opinion of the Court.

This is a bill to restrain the infringement of the trade-marks "Java" and "Bourjois" registered in the Patent Office of the United States. A preliminary injunction was granted by the district court, (274 Fed. Rep., 856; 290 O. G., 227,) but the order was reversed by the circuit court of appeals, one judge dissenting. (275 Fed. Rep., 539.) A writ of certiorari was granted by this Court. (257 U. S. 630.) In 1913 A. Bourjois & Cie., E. Wertheimer & Cie. Successeurs, doing business in France and also in the United States, sold to the plaintiff for a large sum their business in the United States, with their good will and their trade-marks registered in the Patent Office. The latter related particularly to face powder, and included the above words. The plaintiff since its purchase has registered them again and goes on with the business that it bought, using substantially the same form of box and label as its predecessors and importing its face powder from France. It uses care in selecting colors suitable for the American market, in packing and in keeping up the standard, and has spent much money in advertising, etc., so that the business has grown very great and the labels have come to be understood by the public here as meaning goods coming from the plaintiff. The boxes have upon their backs: "Trade Marks Reg. U. S. Pat. Off. Made in France—Packed in the U. S. A. By A. Bourjois & Co. Inc. of New York, Succ'rs. in the U. S. to A. Bourjois & Cie. and E. Wertheimer & Cie."

The defendant, finding that the rate of exchange enabled her to do so at a profit, bought a large quantity of the same powder in France and is selling it here in the French boxes which closely resemble those used by the plaintiff except that they have not the last quoted statement on the backs, and that the label reads "Poudre de riz de Java" whereas the plaintiff has found it advisable to strike out the suggestion of rice powder and has "Poudre Java" instead. There is no question that the defendant infringes the plaintiff's rights unless the fact that her boxes and powder are the genuine product of the French concern gives her a right to sell them in the present form.

[1, 2] We are of opinion that the plaintiff's rights are infringed. After the sale the French manufacturers could not have come to the United States and have used their old marks in competition with the plaintiff. That plainly follows from the statute authorizing assignments. (Act of Feb. 20, 1905, c. 592, sec. 10; 33 Stat., 727.) If for the purpose of evading the effect of the transfer it had arranged with the defendant that she should sell with the old label, we suppose that no one would doubt that the contrivance must fail. There is no such conspiracy here, but apart from the opening of a door to one, the vendors could not convey their goods free from the restriction to which the vendors were subject. Ownership of the goods does not carry the right to sell them with a specific mark. It does not necessarily carry the right to sell them at all in a given place. If the goods were patented in the United States a dealer who lawfully bought similar goods abroad from one who had a right to make and sell them there could not sell them in the United States. (*Boesch* v. *Gräff*, 133 U. S., 697; 51 O. G., 477.) The monopoly in that case is more extensive, but we see no sufficient reason for holding that the monopoly of a trade-mark, so far as it goes, is less complete. It deals with a delicate matter that may be of great value but that easily is destroyed, and therefore should be protected with corresponding care. It is said that the trade-mark here is that of the French house and truly indicates the origin of the goods. But that is not accurate. It is the trade-mark of the plaintiff only in the United States and indicates in law, and, it is found, by public understand-

ing, that the goods come from the plaintiff although not made by it. It was sold and could only be sold with the good will of the business that the plaintiff bought. (*Eiseman* v. *Schiffer*, 157 Fed. Rep., 473.) It stakes the reputation of the plaintiff upon the character of the goods. (*Menendez* v. *Holt*, 128 U. S., 514; 46 O. G., 971.) The injunction granted by the district court was proper under secs. 17 and 19 of the Trade-Mark Act. (Act of Feb. 20, 1905, c. 592.)

Decree of circuit court of appeals reversed.

Court of Appeals of the District of Columbia.

REPLOGLE *v.* THE AIR-WAY COMPANY.

No. 1,527. Decided March 5, 1923.

1. TRADE-MARKS — "AIRWAY" — INTERFERENCE BETWEEN REGISTRANT AND HIS SUCCESSOR IN BUSINESS.

Where R. transferred his entire business as a manufacturer, and with it whatever right he had to his trade-mark, and an interference was declared between R., the registrant, and his successor, who applied for registration on the same mark, *Held* that it was unnecessary to determine whether or not R. was the first to adopt and apply the mark to the goods, for if he was the first he conveyed his right, in connection with his business, to his successor. Accordingly the interference was decided in favor of the applicant.

2. SAME—SALE OF BUSINESS AND GOODWILL CARRIES WITH IT THE SALE OF THE TRADE-MARK.

A sale of a business and of its goodwill carries with it the sale of the trade-mark used in connection with the business, although not expressly mentioned in the instrument.

3. SAME—ALLEGED EXPIRATION OF RIGHT AFTER DECISION OF COMMISSIONER FROM WHICH APPEAL IS TAKEN.

Where R. urged that his successor's right to the mark had ceased because of an alleged forfeiture of an agreement or license, *Held* that if forfeiture took place after the decision of the Commissioner of Patents it could not be considered, because it is the duty of the court to review the decision upon the record of the proceedings in the Patent Office.

4. INTERFERENCE—EVIDENCE—UNVERIFIED STATEMENTS MADE BY PARTY TO THE INTERFERENCE ACTING PRO SE.

A statement made by R., not as a witness under oath, but as counsel, is at best only a belief on his part and can not be given any weight.

5. TRADE-MARKS—EFFECT ON RIGHT TO TRADE-MARK OF RETURNING ONE OF SEVERAL PATENTS TO LICENSOR BY LICENSEE WHO PURCHASED LICENSOR'S BUSINESS AND TRADE-MARK.

Where R., who was engaged in manufacturing and selling the products covered by several patents belonging to him, transferred his entire business and with it whatever right he had to his trade-mark and delivered to the purchaser an exclusive license to manufacture and sell all the products covered by R.'s patents and applications, the right to R.'s business and trade-mark was not forfeited by the return of one of the patents to R. in the absence of an agreement to that effect.

Mr. D. B. Replogle pro se.
Mr. C. W. Owen for The Air-Way Co.

Before Chief Justice SMYTH, Justice ROBB, and Judge SMITH, of the United States Court of Customs Appeals.

SMYTH, *C. J.*:

This is a trade-mark interference proceeding in which the decision of the Patent Office was against Daniel B. Replogle and in favor of The Air-Way Company. The contest relates to the use of the name "Air-Way" on electric vacuum cleaners and parts thereof.

Replogle filed his application for registration of a composite mark consisting of the words "Pneumode" and "Air-Way" on November 15, 1918, alleging that he had commenced the use of the mark sometime prior thereto. Just before the filing of his application Replogle was engaged in manufacturing and selling under the name of Bright Circle Mfg. Co., an electric vacuum cleaner and parts thereof invented by him and covered by certain patents to which he applied the mark just mentioned. The Air-Way Company sought registration of the name "Air-Way" on December 26, 1919, having adopted it in the previous April.

In October, 1918, Replogle and another entered into an agreement with one Charles F. Bacon, of Toledo, Ohio, whereby Replogle agreed to deliver, at the request of Bacon, to a corporation to be formed, an exclusive license to manufacture and sell all of the products covered by the patents referred to, and applications for patents, belonging to Replogle, the license to last during the respective terms of the patents. Under this agreement Replogle was to receive a certain percentage of the gross sales as royalties, and three hundred dollars per month as a minimum royalty. The corporation was to proceed with reasonable diligence to manufacture at least a thousand of the cleaners and put the same upon the market as soon as practicable. The contract further provided that Replogle should receive from the corporation an exclusive agency in the States of Oregon, Washington, and California for the sale of the articles manufactured under the license.

The corporation was formed, in accordance with the contract, and took the name of The Air-Way Company. It is this company which applies for registration of the mark "Air-Way." In due time the license provided for was delivered, at the request of Bacon, to the corporation, and the contract was in all respects carried out by the parties thereto. In addition to securing the license, The Air-Way Company purchased and took over all the business, goodwill, cleaner parts, tools, jigs, and property of every kind formerly used or employed by Replogle under the name of the Bright Circle Mfg. Co.

[1] It appears, then, that Replogle transferred the entire business of the Bright Circle Mfg. Co. to the corporation, and with it whatever rights he had to the mark "Air-Way", and from that time on The Air-Way Company had the right to use the mark on the goods which it manufactured under the license. In view of this it is not necessary to determine whether or not Replogle was the first to adopt and apply the mark to patented goods, for if he was the first he conveyed his right in connection with his business to The Air-Way Company.

[2] We have said that where the owner of a trade-mark grants the right to another, either by sale or license, to use the mark on the goods with which its use is connected, and abandons its use himself, he can not afterwards either deprive his assignee of the right to its use or set up an adverse use. By use in connection with the business the assignee acquires the title abandoned by the assignor, and the title is of that exclusive character which is entitled to protection even against such assignor. (*Macwilliam* v. *President Suspender Company*, 46 App. D. C., 45; 242 O. G., 255, and cases cited.) The question is very fully discussed in *President Suspender Co.* v. *Macwilliam* (238 Fed., 159), where many decisions are referred to. It is there said that there is no such right known to the law as an exclusive ownership of a trade-mark apart from the right to use it in a business. It can not exist as a right in gross. A sale of a business and of its goodwill carries with it the sale of the trade-mark used in connection with the business, although not expressly mentioned in the instrument of sale. Replogle had no right to the mark apart from the right to use it in connection with his business. That business was transferred to The Air-Way Company in December, 1918. If Replogle had the right to have the mark registered before he transferred his business to The Air-Way Company (and for the purpose of this case we assume he did), then the latter company acquired that right by transfer, and possessed it at the time it made its application on December 26, 1919.

But Replogle insists that the agreement under which he transferred the business and the mark was not a contract, but a simple license, upon condition, inter alia, that The Air-Way Company would comply with its terms. The same defense was made in *President Suspender Co.* v. *Macwilliam*, supra. In disposing of it the court said that it was unable to perceive any reason for holding that a patentee who gives an exclusive license to another to manufacture and sell a patented article for the life of the patent, and who at the same time transfers the goodwill of the business to the licensee, retains any right to the trade-mark which he can avail himself of during the life of the patent ordinarily or on its expiration. The right of the plaintiff to the trade-mark must be regarded as exclusive of the defendant, as was the plaintiff's right to manufacture and sell the patented article.

[3, 4] It is urged by Replogle that the agreement or license has been forfeited so far as the cord reel covered by one of the assigned patents is concerned, and that because of this The Air-Way Company's right to the mark has ceased. The reel is but part of the cleaner. When this alleged forfeiture took place does not appear. If it took place after the decision by the Commissioner of Patents, we cannot consider it, because our duty is to review the decision upon the record of the proceedings in the Patent Office. (33 Stat., 727; Rev. Stat., 4014.) The only reference to it in the record appears in a statement made by Replogle—not as a witness under oath, but as counsel—that The Air-Way Company, he believed, had agreed to transfer the cord reel patent back to him. At best it is only a belief on his part. If it was a fact he could have proven it without difficulty. We can not give this statement any weight. Moreover, he does not say with whom the agreement was made, but, if made, it must have been with him. If it was the intention of the parties that the trade-mark should be returned to him at the same time the cord reel patent was returned, why did not the agreement say so? Must we not assume that since it is silent on the subject the parties did not intend it should be returned?

[5] At the hearing it was admitted that The Air-Way Company had ceased to manufacture the cord reel, but the time when it ceased to do so was not given. Unless, we repeat, it was before the decision of the Commissioner we cannot consider it. Anyhow it was not admitted that the title to the trade-mark was to be returned. In this regard it must be remembered that there is nothing in the license of the patents about the transfer of the Bright Circle Mfg. Co.'s business or the trade-mark. That, so far as the record is concerned, was the result of a separate agreement. The nonperformance of the conditions of the license contract in no way affected the title to the business or trade-mark conveyed to The Air-Way Company. To say that it did would be to write into the contract something that was not placed there by the parties. This we can not do.

The decision of the Commissioner is affirmed.

PATENT SUITS.

[Notices under section 4921, Revised Statutes, as amended February 18, 1922.]

783,410, J. Bergoff, Box, suit filed Dec. 12, 1921, U. S. D. C., S. D. N. Y., Doc. E 22/329, *Warner Jewelry Case Co.* v. *Frank & Gutman, Inc.* Consent order on motion of complainant dismissing bill.

803,066, B. F. Orewiler, Garment supporter, suit filed Mar. 7, 1922, U. S. D. C., S. D. N. Y., Doc. E 23/176, *The American Buckle Co.* v. *Sweet Orr & Co., Inc., et al.* Consent order discontinuing action.

837,017, C. A. Von Welsbach, Pysophoric alloy, suit filed Mar. 17, 1922, U. S. D. C., S. D. N. Y., Doc. E 23/221, *A. Harris et al.* v. *Irvin-Smith Co., Inc., et al.* Consent decree sustaining patent, adjudging infringement by Irvin-Smith Co., Inc., and granting perpetual injunction. Bill dismissed as to J. R. Irvin.

852,995, 893,049, H. Blackman, Ventilating tunnels, suit filed Dec. 21, 1920, U. S. D. C., S. D. N. Y., Doc. E 20/183, *Ventilation Corp.* v. *Interborough Rapid Transit Co.* Order dismissing cause for lack of prosecution.

893,049. (See 852,995.)

918,102, W. C. Tregoning, Sockets for incandescent lamps, suit filed July 20, 1921, U. S. D. C., S. D. N. Y., Doc. E 22/58, *Harvey Hubbell, Inc.* v. *American Brass & Copper Co.* Interlocutory decree sustaining patent, adjudging infringement of claims 7 and 8, granting injunction.

958,478, W. E. Davey, Process of reenforcing trees, suit filed Feb. 2, 1922, U. S. D. C., S. D. N. Y., Doc. E 23/83, *Davey Tree Expert Co.* v. *F. C. Koons.* Consent decree perpetually enjoining defendant.

995,758, H. M. Alleyn, Casters for furniture, suit filed Apr. 18, 1923, U. S. D. C., E. D. N. Y., Doc. 1250, *H. W. Peabody & Co.* v. *The Brooklyn Upholstery Supply Co.*

1,029,541, L. A. Haustetter, Dishwashing machine, suit filed Nov. 7, 1921, U. S. D. C., S. D. N. Y., Doc. E 22/251, *L. A. Haustetter et al.* v. *The Horn & Hardart Co.* Interlocutory decree sustaining patent, adjudging infringement, and granting perpetual injunction.

1,060,190, Kellner & Worms, Knitted necktles; Des. 43,459, J. Kellner, Knitted necktie; Des. 58,524, Des. 58,860, S. Worms, Knitted or netted fabrics, suit filed May 17, 1922, U. S. D. C., S. D. N. Y., Doc. E 23/398, *Franklin Knitting Mills, Inc.* v. *The Light Corp.* Consent decree sustaining patents, adjudging infringement, and granting perpetual injunction.

1,072,471, Des. 43,459, Kellner & Worms, Knitted neckties; 1,072,856, same, Process of knitting neckties and scarfs; 1,103,589, J. Kellner, Knitted fabric, suit filed May 4, 1923, U. S. D. C., S. D. N. Y., Doc. E 26/308, *Franklin Knitting Mills, Inc.* v. *Fain Knitting Mills et al.*

1,072,856. (See 1,072,471.)

1,085,188, A. A. Arnold, Box cover, suit filed Apr. 26, 1923, U. S. D. C., E. D. N. Y., *J. Griffiths* v. *H. Ramsauer.*

1,103,589. (See 1,072,471.)

1,127,660, J. H. McMichael, Method of and apparatus for transporting and treating concrete, suit filed May 9, 1923, U. S. D. C., S. D. N. Y., Doc. E 26/325, *Concrete Mixing & Conveying Co.* v. *Ulen Contracting Corp.*

1,180,861, W. R. Macklind, Submarine boat, suit filed Mar. 10, 1922, U. S. D. C., S. D. N. Y., Doc. E 23/201, *W. R. Macklind* v. *Foundation Co., Inc.* Consent decree upon motion of complainant dismissing cause.

1,181,970, A. S. Kratz, Contribution envelopes, decree of District Court, Western District of Virginia, affirmed May 3, 1923, U. S. C. C. Appeals (4th Cir.), *A. S. Kratz Co., Inc.* v. *Double Envelope Corp.*

1,216,140, A. Kurtz, Lining for hats, suit filed Apr. 18, 1923, U. S. D. C., S. D. N. Y., Doc. E 26/251, *A. Kurtz et al.* v. *Rogers Hat Lining Corp.* Same, suit filed May 2, 1922, U. S. D. C., S. D. N. Y., Doc. E 23/348, *A. Kurtz et al.* v. *Simonson & Fishbein.*

1,264,286, E. M. Dougherty, Holders for tire casings, etc., suit filed May 11, 1923, U. S. D. C., S. D. Ohio, Doc. E 305, *American Can Co.* v. *Doering Bros.*

1,288,968, F. W. Obenhaus, Valve, suit filed Apr. 1, 1919, U. S. D. C., S. D. Calif., Doc. E 10, *Unit System of Heating & Mfg. Co.* v. *W. D. Ralphs.* Dismissed for want of equity.

1,301,044, M. K. Dunham, Apparatus and method of burning combustible gases, suit filed Jan. 5, 1921, U. S. D. C., S. D. N. Y., Doc. E 20/210, *The Bastian Blessing Co.* v. *Air Reduction Co., Inc.* Consent order dismissing action filed Dec. 6, 1922.

1,341,327, Kettering & Christ, System of electrical generation, 1,380,975, same, Power plant; 1,380,974, C. F. Kettering, Internal-combustion engine; 1,430,524, same, Engine, suit filed Dec. 30, 1922, U. S. D. C., D. Mass., Doc. E 1790, *Delco Light Co.* v. *H. C. Dodge, Inc.*

1,380,974. (See 1,341,327.)

1,380,975. (See 1,341,327.)

1,406,077, A. F. Poole, Single-magazine pencils. Consent decree for injunction and damages, U. S. D. C., S. D. Ill., *The Wahl Co.* v. *E. M. Shanklin et al.*

1,412,242, B. D. Horton, Electrical switches and interlocking casings, suit filed Apr. 28, 1923, U. S. D. C., N. D. Ill., Doc. 3504, *Square D Co.* v. *J. P. Simons & Co.*

1,422,776, H. Maxenchs, Flexible metallic structure, suit filed May 3, 1923, U. S. D. C., S. D. N. Y., Doc. E 26/307, *Maxenchs & Saladrigas (H. Maxenchs & Co.)* v. *H. Seidman et al.*

1,426,084, D. Kenner, Mops; 1,427,478, same, Mop heads, suit filed May 2, 1923, U. S. D. C., E. D. La., Doc. 17,248, *Dry Hand Mop Co., Inc.* v. *Squeez-Ezy Mop Co., Inc.*

1,427,478. (See 1,426,084.)

1,430,524. (See 1,341,327.)

1,433,585, F. M. Wiseley, Vehicle lamp, suit filed May 10, 1923, U. S. D. C., N. D. Ohio (E. D.), Doc. 900, *Bastian Bros. Co., Inc.* v. *The Louisville Machine Mfg. Co.*

1,449,183, J. E. Johnstone, Baseball mask, suit filed May 5, 1923, U. S. D. C., S. D. Ohio, Doc. E 304, *J. E. Johnstone* v. *J. A. Spinney.*

Des. 43,459. (See 1,060,190 and 1,072,471.)

Des. 58,524. (See 1,060,190.)

Des. 58,860. (See 1,060,190.)

Changes in Classification.

(ORDER No. 2,825.)

U. S. PATENT OFFICE, *Washington, June 27, 1923.*

The following changes in the classification of inventions are hereby directed, to take effect immediately:

In class 1, Nailing and Stapling (Division XI), establish the following subclasses and definitions:

49.5. **Nail loaders—**
49.6. Implements.
49.7. **Nail strippers.**

49.5. NAIL LOADERS. Nail loaders for loading or assisting in loading magazine or magnetic nail-driving implements.

49.6. NAIL LOADERS, IMPLEMENTS. The nail loader is an implement.

49.7. NAIL STRIPPERS. Nail strippers adapted to feed nails from bulk into a position where one or more nails may be grasped by an operator and removed for driving.

The patents contained in these subclasses have been taken for the most part from class 1, Nailing and Stapling, subclass 6, Machines, Nail driving, Nail feeding.

In class 245, Wire Fabrics and Structure (Division XIV), establish the following subclass and definition:

1.5. **Tire-bead grommets.**

1.5. TIRE BEAD GROMMETS. Ring-shaped articles formed for the most part of wire adapted for reenforcing the beads of pneumatic tires and processes of making the same.

Search Classes—
29—METAL WORKING, subclass 156, Blanks and processes, Ferrules, rings, thimbles, and tubes, for similar devices having various other uses.
152—RESILIENT TIRES AND WHEELS, appropriate subclasses, for tires embodying these elements.

The patents contained in this subclass have been taken for the most part from class 152, Resilient Tires and Wheels, subclass 13, Tires, Pneumatic.

In class 294, Handling—Hand and Hoist-Line Implements (Division IV), establish the following subclass and definition:

65.5. **Magnet.**

65.5. MAGNET. Devices for raising material by means of one or more magnets.
Note.—The structure of the magnet itself is found in class 175, ELECTRICITY—GENERAL APPLICATIONS, subclass 367, Electromagnets, Lifting or holding. See also class 175, subclass 21, Electromagnets.
Note.—See this class (294), subclass 88, for grapples controlled by magnets.

The patents contained in this subclass have been taken for the most part from class 175, Electricity—General Applications, subclass 367, Electromagnets, Lifting or holding.

THOMAS E. ROBERTSON,
Commissioner.

TRADE-MARKS

OFFICIAL GAZETTE, JULY 10, 1923.
[VOL. 312. No. 2.]

The following trade-marks are published in compliance with section 6 of the act of February 20, 1905, as amended March 2, 1907. Notice of opposition must be filed within thirty days of this publication.

Marks applied for "under the ten-year proviso" are registrable under the provision in clause (b) of section 5 of said act as amended February 18, 1911.

As provided by section 14 of said act, a fee of ten dollars must accompany each notice of opposition.

Ser. No. 118,198. (CLASS 21. ELECTRICAL APPARATUS, MACHINES AND SUPPLIES.) WILSON WELDER & METALS COMPANY, INC., New York, N. Y. Filed May 5, 1919.

Plastic-Arc

Particular description of goods.—Electric Welding Machines, Electric Cables, Electric Resistance Units, Electrodes, Electric Motors, Electric Generators, Electric Switchboards, Electric-Switchboard Panels, Electric Switches, and Electric Welding Transformers.
Claims use since about Jan. 30, 1919.

Ser. No. 131,017. (CLASS 4. ABRASIVE, DETERGENT, AND POLISHING MATERIALS.) DANNER CO., Portland, Oreg. Filed Apr. 12, 1920.



Particular description of goods.—Metal-Polishing Compound.
Claims use since Dec. 15, 1919.

Ser. No. 145,957. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) NAUMKEAG STEAM COTTON CO., Salem, Mass. Filed Apr. 9, 1921.



The diamond-shaped figure has a blue background having a white center with the numeral "4" printed thereon in blue.
Particular description of goods.—Pillowcases.
Claims use since 1900.

Ser. No. 145,958. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) NAUMKEAG STEAM COTTON CO., Salem, Mass. Filed Apr. 9, 1921.



The diamond-shaped figure has a red background and a white center with the numeral "62" printed in red on said white center.
Particular description of goods.—Pillowcases.
Claims use since 1900.

Ser. No. 154,939. (CLASS 48. MALT BEVERAGES, EXTRACTS, AND LIQUORS.) HARRISON D. STERRICK, doing business as Diamond Food Products Company and National Food Corporation, Pittsburgh, Pa. Filed Nov. 2, 1921.

MONASTERY

Particular description of goods.—Combination of Malt Extracts for Beverage Purposes, Including Malt for Making Nonalcoholic Beverages.
Claims use since on or about Aug. 1, 1919.

Ser. No. 155,900. (CLASS 44. DENTAL, MEDICAL, AND SURGICAL APPLIANCES.) SHINTARO MARSHIMA, Tokyo, Japan. Filed Nov. 25, 1921.



No claim is made to the representation of the goods forming part of the mark apart from such mark as shown.
Particular description of goods.—Therapeutical Apparatus Called Oxyhealer Used for Injecting Oxygen Into the Body.
Claims use since March, 1915.

Ser. No. 155,940. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) THE UNRUH H. P. CO., Chanute, Kans. Filed Nov. 25, 1921.

UNRUMENE

Particular description of goods.—Germicidal Remedy Used in Cases of Colds, Sore Throat, Cuts, Burns, Bruises, Boils, and Insect Bites.
Claims use since Sept. 1, 1921.

Ser. No. 156,499. (CLASS 11. INKS AND INKING MATERIALS.) GEO. H. MORRILL CO., Norwood, Mass. Filed Dec. 9, 1921.

SQUIRT FEED
NEWS INK

No registration rights are claimed for the words "News Ink" and "Squirt Feed" apart from the mark shown in the drawing.
Particular description of goods.—Printing Ink.
Claims use since Nov. 29, 1921.

Ser. No. 158,815. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) HORACE G. CRAVEN, doing business as Bouillonized Peanut Company, Philadelphia, Pa. Filed Feb. 3, 1922.



Applicant makes no claim for the word "Peanuts" apart from the other features of the mark.
Particular description of goods.—Peanuts Prepared with Meat Extract.
Claims use since Jan. 19, 1922.

Ser. No. 160,434. (CLASS 37. PAPER AND STATIONERY.) WILLIAM A. RINGLER, Philadelphia, Pa. Filed Mar. 9, 1922.

THRIFT
MILEAGE

Particular description of goods.—Receipt Books and Filing Cards for Bookkeeping Purposes.
Claims use since about Feb. 7, 1922.

Ser. No. 162,581. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) THE ROOD CANDY COMPANY, doing business as Roods, Pueblo, Colo. Filed Apr. 19, 1922.

Daddy's
Dream

Particular description of goods.—Candy.
Claims use since Feb. 1, 1922.

Ser. No. 162,721. (CLASS 4. ABRASIVE, DETERGENT, AND POLISHING MATERIALS.) CAPITOL CHEMICAL COMPANY, Somerville, Mass. Filed Apr. 22, 1922.

PALMERGLOSS

Particular description of goods.—Stove Polish.
Claims use since Sept. 14, 1920.

Ser. No. 163,099. (CLASS 22. GAMES, TOYS, AND SPORTING GOODS.) THE LIONEL CORPORATION, New York, N. Y. Filed Apr. 29, 1922.

LIONEL ELECTRIC TOY TRAINS

No claim made to the exclusive use of the words "Electric Toy Trains" apart from the mark shown on the drawing.
Particular description of goods.—Electrical Toys.
Claims use since about 1916.

Ser. No. 164,843. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) GUSTAV TWELLSICK, doing business as August Reutershan, Solingen, Germany. Filed June 2, 1922.

VICTOR

Particular description of goods.—Tin Openers, Corkscrews, Pocketknives, Scissors, and Hair Clippers.
Claims use since Jan. 1, 1918.

Ser. No. 165,035. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) FRANCOIS X. RONDEAU, doing business as Radio Stomach Relief Co., Brockton, Mass. Filed June 5, 1922.

Radio

Particular description of goods.—Stomach Preparation.
Claims use since Feb. 17, 1922.

Ser. No. 165,343. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) FRED BUTTERFIELD & CO. INC., New York, N. Y. Filed June 12, 1922.

KIRKMUIR
ZEPHYRS

No claim made to the word "Zephyrs" apart from the mark shown in the drawing.
Particular description of goods.—Ginghams in the Piece.
Claims use since Aug. 4, 1921.

Ser. No. 165,584. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) FARBWERKE VORM. MEISTER LUCIUS & BRUNING, Hoechst-on-Main, Germany. Filed June 16, 1922.

M L &
B II

Particular description of goods.—Chemical Products for Industrial, Scientific, and Photographic Purposes—Namely, Coal-Tar Intermediate Products, Artificial Indigo, Artificial Alizarine, Hydrosulphites, Aniline Oil, Aniline Salt, Resorcin, β-Naphthol, Naphthylamine, Paranitraniline, Metanitroparatoluidine, Orthonitrotoluidine, Orthonitroparaphenetidine, Benzidine, Dianisidine, Chloranisidine, Parasanol, Para Acid, Anthrachinone, Methyl Orange, Chromchloride, Cerchloride, Potassium Sulphite, Acetaldehyde, Acetone, Antichlor, Caustic-Soda Lye, Chlorine, Chrome Alum, Diethylsulphate, Sodium Acetate, Sodium Bisulphite, Sodium Sulphite, Olein, Paraldehyde, Sulphate, Hydrogen, Zinc Powder, Photographic Developers, and Sensitizers; Dystuffs; Mordants for Dyeing and Printing Purposes; Acids—Namely, Acetic Acid, Acetic-Acid Essence, Acetic-Acid Anhydrid, Monochloroacetic Acid, Nitric Acid, Hydrochloric Acid, and Sulphonic Acid; Tanning Materials; Disinfectants; Plant and Animal Extirpatives—Namely, Fungicides, Germicides, Insecticides, and Parasiticides; Benzoic Acid for Preservation of Foodstuffs; Pharmaceutical and Therapeutical Preparations—Namely, Antigonorrhoics, Analgesics, Antineuralgics, Antipyretics, Antirheumatics, Antiarthritics, Anæsthetics, Antidiabetics, Antihelmintics, Antidyspnoics, Antisyphilitics, Astringents, Antiparasitics, Antichlorotics, Antidiarrhoics, Antihidrotics, Antiphthisics, Antiblennhorroics, Antispasmodics, Digestives, Desiccatives, Biological Reagents and Diagnostics, Dietetics, Cardiac Tonics, Diuretics, Diaphoretics, Expectorants, Hæmostatics, Iodine Preparations, Mydriatics, Nutrients, Laxatives, Narcotics, Organotherapeutics, Ocytocics, Tonics and Vasotonics, Urinary Antiseptics, Uric-Acid Solvents, Vulneraries, Serums, and Vaccines; and Preservatives for Leather and Wood—Namely, Antiseptic Chemical Substances in Liquid or Paste Form Used as Preservatives and Sanitary Coatings or Dressings for Wood, Stonework, Brickwork, and Metal.
Claims use since November, 1919.

Ser. No. 165,791. (CLASS 29. BROOMS, BRUSHES, AND DUSTERS.) GEO. B. GIBSON CO., New York, N. Y. Filed June 21, 1922.

SAN ASEPTIC

No claim made to the word "Aseptic" apart from the mark shown.

Particular description of goods.—Toothbrushes.

Claims use since Apr. 22, 1909.

Ser. No. 166,134. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) THE DRUG PRODUCTS CO. INC., Long Island City, N. Y. Filed June 27, 1922.

VITA-YEAST

The word "Yeast" appearing on the drawing is disclaimed apart from the mark as shown.

Particular description of goods.—Food Tonic and General Stimulant to Cell Metabolism, Put Up in Tablet and Granular Form.

Claims use since Aug. 16, 1921.

Ser. No. 166,498. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) MICHAEL J. BROWN, Philadelphia, Pa. Filed July 5, 1922.

THE BROWNEE

Particular description of goods.—Fruit Presses.

Claims use since October, 1921.

Ser. No. 166,747. (CLASS 16. PAINTS AND PAINTERS' MATERIALS.) ELMER F. MILLER, San Francisco, Calif. Filed July 11, 1922.



No claim made to the combined words "Klee-na-brush" apart from the mark shown. The lining on the drawing indicates the colors red and black.

Particular description of goods.—Paint Remover.

Claims use since Feb. 16, 1922.

Ser. No. 169,272. (CLASS 22. GAMES, TOYS, AND SPORTING GOODS.) ALLIED GOLF COMPANY, Chicago, Ill. Filed Sept. 11, 1922.

John Potter

The trade-mark "John Potter" is the facsimile signature of Mr. John Potter, a golf-club manufacturer, and applicant files herewith the consent of Mr. Potter for the use of the signature in this trade-mark application.

Particular description of goods.—Golf Clubs.

Claims use since Aug. 23, 1922.

Ser. No. 169,510. (CLASS 7. CORDAGE.) G. F. WRIGHT STEEL & WIRE COMPANY, Worcester, Mass. Filed Sept. 15, 1922.

SUPERIOR

Exclusive rights to the words "Superior" and "Brand" apart from the mark as shown on the drawing are hereby disclaimed.

Particular description of goods.—Wire Rope and Wire Clothesline.

Claims use since Mar. 1, 1922.

Ser. No. 169,626. (CLASS 21. ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES.) THE DOMESTIC ELECTRIC COMPANY, Cleveland, Ohio. Filed Sept. 18, 1922.

Domestic

Particular description of goods.—Radio Apparatus—Namely, Telephone Receivers.

Claims use since about May, 1922.

Ser. No. 170,086. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) PAUL PROT & CIE., doing business as Parfumerie Lubin, Paris, France. Filed Sept. 29, 1922.





In the drawing the words "Lubin" and "Paris" appearing upon a red background as shown, the apex of the design being red, the word "Paris" being disclaimed apart from the mark shown.

Particular description of goods.—Perfumes, Toilet Waters, Face Powder, Talcum Powder, Face Lotion, Face Cream, and Rouge.

Claims use since May, 1920.

Ser. No. 171,061. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) JESSIE ANN BOND, doing business as J. & A. Bond, Hamilton, Ontario, Canada. Filed Oct. 23, 1922.



The portrait appearing in the drawing is that of applicant. No claim is made to the exclusive use of the descriptive matter "Eczema Treatment, Full Directions on Wrapper, A Sure Relief for Eczema and All Skin Diseases," which is disclaimed apart from the mark shown in the drawing.

Particular description of goods.—Salve for the Relief of Eczema, Salt Rheum, Acne, Psoriasis, Running Sores, Barbers' Itch, Burns, Felons, and All Diseases of the Skin.

Claims use since April, 1917.

Ser. No. 171,473. (CLASS 21. ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES.) SATURN MFG. & SALES CO. INC., New York, N. Y. Filed Nov. 1, 1922.

SATURN



Particular description of goods—Electric and Radio Telephone Jacks, Plugs, and Connections.

Claims use since Aug. 18, 1922.

Ser. No. 171,508. (CLASS 39. CLOTHING.) PARKER-BRIDGET COMPANY, Washington, D. C. Filed Nov. 2, 1922.

Parker Boy

Particular description of goods.—Boys' Suits.

Claims use since Sept. 1, 1921.

Ser. No. 171,512. (CLASS 13. HARDWARE AND PLUMBING AND STEAM-FITTING SUPPLIES.) A. SCHRADER'S SON, INCORPORATED, Brooklyn, N. Y. Filed Nov. 2, 1922. Under ten-year proviso.

SCHRADER

Particular description of goods.—Pneumatic Valves, Pneumatic-Valve Casings, Valve Insides, Valve-Repair Tools, Valve Dust Caps, Pneumatic-Valve Caps, Pneumatic-Valve Nuts, Pneumatic-Valve Washers, Pneumatic-Valve Bushings, Pump Connections, Pump Couplings, Metallic Pneumatic Tubes or Chutes, Spreaders, Air Chucks, and Ferrules.

Claims use since Feb. 12, 1895.

Ser. No. 171,599. (CLASS 13. HARDWARE AND PLUMBING AND STEAM-FITTING SUPPLIES.) THE TEBBETTS AND GARLAND STORE, Chicago, Ill. Filed Nov. 4, 1922.

STEEPRITE

Particular description of goods.—Aluminum Teapots.

Claims use since Aug. 16, 1922.

Ser. No. 171,600. (CLASS 13. HARDWARE AND PLUMBING AND STEAM-FITTING SUPPLIES.) THE TEBBETTS AND GARLAND STORE, Chicago, Ill. Filed Nov. 4, 1922.

PERKRITE

Particular description of goods.—Aluminum Percolators.

Claims use since Aug. 16, 1922.

Ser. No. 171,799. (CLASS 27. HOROLOGICAL INSTRUMENTS.) HOFFMAN BROS. INC., doing business also as Hofbros W. Co., New York, N. Y. Filed Nov. 10, 1922.

HOFBROS W.CO.

Particular description of goods.—Watches, Clocks, Dials, Watch Movements and Parts Thereof, and Watch-cases.
Claims use since about the middle of the year 1919.

Ser. No. 172,221. (CLASS 39. CLOTHING.) HAWLEY KNITTING MILLS, INC., New York, N. Y. Filed Nov. 18, 1922.



The words "Superior Quality" and "Scarfs—Shawls" are disclaimed apart from the mark shown.
Particular description of goods.—Knitted Outer Garments—Namely, Knitted Scarfs, Shawls, and Sweater Coats.
Claims use since about September, 1918.

Ser. No. 172,449. (CLASS 21. ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES.) THE TAPPAN STOVE CO., Mansfield, Ohio. Filed Nov. 23, 1922.



Particular description of goods.—Electric Ranges and Electric Stoves.
Claims use since Mar. 27, 1922.

Ser. No. 172,592. (CLASS 13. HARDWARE AND PLUMBING AND STEAM-FITTING SUPPLIES.) WALTER C. GROSSER, doing business as Grosser Mfg. Co., Cleveland, Ohio. Filed Nov. 27, 1922.

FREFLO

Particular description of goods.—Faucets, Cocks, Fittings for Metal Barrels of the Drum Type, and Metal Pipe Fittings.
Claims use since Aug. 11, 1922.

Ser. No. 172,732. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) DARLING SWEETS, INC., Chicago, Ill. Filed Dec. 1, 1922.

DARLING

Particular description of goods.—Candy.
Claims use since Oct. 18, 1922.

Ser. No. 172,862. (CLASS 28. JEWELRY AND PRECIOUS METAL WARES.) ERNST CLAR, St. Georgental, Czechoslovakia. Filed Dec. 4, 1922.



Particular description of goods.—Rhinestones and Chatons.
Claims use since 1920.

Ser. No. 172,993. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) JOHN T. JONES, doing busines as Jones Remedy Co., Grass Valley, Calif. Filed Dec. 6, 1922.

JOAN S
SIRÔP BE-LÁGE

Trade mark consists of the words "Joan's Sirôp Be-lâge."
Particular description of goods.—A Preparation for Relief of Colds, Coughs, and Kindred Irritations of the Bronchial and Respiratory System, Grippe, and Influenza.
Claims use since Jan. 9, 1922.

Ser. No. 173,612. (CLASS 39. CLOTHING.) TAUBER, LIPTON & COMPANY, INC., New York, N. Y. Filed Dec. 20, 1922.

ARMISTICE

Trade-mark consists of the word "Armistice."
Particular description of goods.—Men's and Boys' Dress, Negligee, and Work Shirts, Pyjamas, and Night-shirts.
Claims use since Oct. 14, 1922.

Ser. No. 173,956. (CLASS 21. ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES.) RICHARD G. CUTHBERT, doing business as Globe Radio Manufacturing Co., New York, N. Y. Filed Dec. 29, 1922.

"GLORAD"

Particular description of goods.—Radio Receiving and Transmitting Sets.
Claims use since May 22, 1922.

Ser. No. 174,012. (CLASS 39. CLOTHING.) GEO. P. IDE & CO., INC., Troy, N. Y. Filed Dec. 30, 1922.

Ideflex

Particular description of goods.—Collars for Shirts.
Claims use since Oct. 14, 1922.

Ser. No. 174,134. (CLASS 39. CLOTHING.) FRANKLIN CLOTHES SHOP, INC., Washington, D. C. Filed Jan. 8, 1923.

Franklin Clothes Shop



The pictorial part of the mark includes a portrait of the distinguished American, now deceased, Benjamin Franklin. No claim is made to the words "Clothes Shop Inc., Clothes of Distinction for Men and Young Men" apart from the mark shown in the drawing.
Particular description of goods.—Men's Coats, Vests, Trousers, and Overcoats.
Claims use since Apr. 22, 1922.

Ser. No. 174,202. (CLASS 39. CLOTHING.) DEL MONTE-RICKEY, New York, N. Y. Filed Jan. 5, 1923.



CAMELDOWN

The lining shown in the drawing represents shading only and not any particular color.
Particular description of goods.—Sport Clothes for Women—Namely, Sport Coats, Sport Suits, and Sport Jackets.
Claims use since Dec. 28, 1922.

Ser. No. 174,362. (CLASS 39. CLOTHING.) JULIUS GARFINKLE, doing business as Julius Garfinkle & Co., Washington, D. C. Filed Jan. 9, 1923.

GREENBRIER

Particular description of goods.—Ladies', Misses,' and Girls' Suits, Dresses, Skirts, Coats, Waists, Sweaters, Riding Habits, Knickerbockers, Bathing Suits, Scarfs, Stockings, All-Leather Gloves and Gloves of All Fabric and Gloves of Combined Leather and Fabric, and Hats.
Claims use since Dec. 28, 1922.

Ser. No. 174,440. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) GUDE BROTHERS, KIEFFER COMPANY, New York, N. Y. Filed Jan. 11, 1923.



Particular description of goods.—Eggs.
Claims use since 1890.

Ser. No. 174,442. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) GUDE BROTHERS, KIEFFER COMPANY, New York, N. Y. Filed Jan. 11, 1923. Under ten-year proviso.

Gude's

Particular description of goods.—Butter and Eggs.
Claims use since 1890.

Ser. No. 174,443. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) GUDE BROTHERS, KIEFFER COMPANY, New York, N. Y. Filed Jan. 11, 1923.

DAISY

Particular description of goods.—Eggs.
Claims use since 1890.

Ser. No. 174,444. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) GUDE BROTHERS, KIEFFER COMPANY, New York, N. Y. Filed Jan. 11, 1923.

DAISY FARM

Particular description of goods.—Eggs.
Claims use since 1890.

Ser. No. 174,517. (CLASS 40. FANCY GOODS, FURNISHINGS, AND NOTIONS.) LEO H. FELDMAN, New York, N. Y. Filed Jan. 12, 1923.

Unitall

Trade-mark consists of the arbitrary word "Unitall."
Particular description of goods.—Package Outfit Containing a Measured Quantity of Worsted, Silk, or Cotton Yarn Sufficient to Make a Garment or Other Article by Hand Knitting or Crocheting and Directions, Needles, Button Molds, Buttons, and Soles Required to Complete Said Garment or Other Article.
Claims use since Dec. 1, 1922.

Ser. No. 174,554. (CLASS 37. PAPER AND STATIONERY.) THE CINCINNATI CORDAGE & PAPER CO., Cincinnati, Ohio. Filed Jan. 13, 1923.

ACME

Particular description of goods.—Writing Paper.
Claims use since 1901.

Ser. No. 174,560. (CLASS 39. CLOTHING.) H. H. COOPER & CO., INC., Utica, N. Y. Filed Jan. 13, 1923.

Sunshire

Particular description of goods.—Clothing—Namely, Suits, Topcoats, and Ulsters for Men.
Claims use since Dec. 23, 1922.

Ser. No. 174,642. (CLASS 39. CLOTHING.) THE SUPERIOR ATHLETIC UNDERWEAR COMPANY, Piqua, Ohio. Filed Jan. 15, 1923.

ICYCLE CLOTH

No claim is made for the word "Cloth" apart from the mark as shown on the drawing.
Particular description of goods.—Men's, Women's and Children's Union Suits, Combination Suits, Undershirts, and Underdrawers Made of Both Knitted and Woven Fabric.
Claims use since on or about Dec. 11, 1922.

Ser. No. 174,654. (CLASS 39. CLOTHING.) CHESTER KNITTING MILLS, St. Louis, Mo. Filed Jan. 16, 1923.

Sweetheart

Trade-mark consists of the word "Sweetheart."
Particular description of goods.—Hosiery.
Claims use since 1915.

Ser. No. 174,753. (CLASS 39. CLOTHING.) RELIANCE MANUFACTURING COMPANY, Chicago, Ill. Filed Jan. 18, 1923.

OLD FAITHFUL

In the trade-mark the rectangle and the legend "Old Faithful" are in blue, the diamond-shaped figure is in red, and the broken lines between the diamond-shaped figure and the rectangle are blue.
Particular description of goods.—Men's Work Shirts.
Claims use since Feb. 16, 1922.

Ser. No. 174,757. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) JOSEPH O. TANEYHILL, New York, N. Y. Filed Jan. 18, 1923.

"JAY OH TEE."

Particular description of goods.—Crystallized and Preserved Ginger, Chutney, Honey, Preserved Kumquats, and Glacé Fruits.
Claims use since Dec. 28, 1922.

Ser. No. 174,894. (CLASS 39. CLOTHING.) JOHN DAVID, New York, N. Y. Filed Jan. 22, 1923.

The Nonchalant

Particular description of goods.—Men's Dress Suits, Tuxedo Suits, Full-Dress Suits, Dinner, Dance, and Theater Jackets, Raincoats, Overcoats, Hats, Sweaters, Coats, Trousers, Vests, and Knickerbockers.
Claims use since Nov. 1, 1922.

Ser. No. 174,902. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) WILLIAM T. JOHNS, doing business as Texas Chemical & Specialty Co., Fort Worth, Tex. Filed Jan. 22, 1923.

S-O-S

Particular description of goods.—Insecticide and Deodorant.
Claims use since June 8, 1922.

Ser. No. 174,943. (CLASS 39. CLOTHING.) THE STANDARD TENT & AWNING COMPANY, doing business as The Standard Garment Company, Toledo, Ohio. Filed Jan. 22, 1923.

GREAT LAKES

Particular description of goods.—Men's Working Pants, Overalls, Jumpers, and Work Shirts and Children's Overalls and Rompers.
Claims use since about Jan. 1, 1919.

Ser. No. 174,979. (CLASS 39. CLOTHING.) SCHOLDERER & AUG, INC., New York, N. Y. Filed Jan. 23, 1923.

Stately Clothes

No claim is made to the exclusive use of the word "Clothes" apart from the mark shown.
Particular description of goods.—Men's and Young Men's Suits and Overcoats.
Claims use since December, 1922.

Ser. No. 175,063. (CLASS 39. CLOTHING.) BLUE-RIBBON KNITTING MILLS, INC., Waltham, Mass. Filed Jan. 25, 1923.

Blue Ribbon

Particular description of goods.—Knitted Bathing Suits.
Claims use since Apr. 7, 1922.

Ser. No. 175,195. (CLASS 39. CLOTHING.) HERMAN B. HOFFMAN, New York, N. Y. Filed Jan. 27, 1923.

Teddycoat

Particular description of goods.—Women's Undergarments, the Same Being Combinations of Petticoat and Envelope Chemise of Cotton Textile Fabric, Silk Textile Fabric, Near-Silk Textile Fabric, Silk Knitted Fabric, and Near-Silk Knitted Fabric.
Claims use since Jan. 12, 1923.

Ser. No. 175,211. (CLASS 39. CLOTHING.) THE POLLAK BROS. COMPANY, Fort Wayne, Ind. Filed Jan. 27, 1923.



Wayne Maid

The portrait on the drawing is fanciful.
Particular description of goods.—Dresses and Waists.
Claims use since Dec. 5, 1922.

Ser. No. 175,225. (CLASS 21. ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES.) THE T-N-T SPARK PLUG COMPANY, Cleveland, Ohio. Filed Jan. 27, 1923.

T-N-T

Particular description of goods.—Spark Plugs.
Claims use since Apr. 15, 1922.

Ser. No. 175,287. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) WAPLES-PLATTER GROCER CO., Fort Worth, Tex. Filed Jan. 26, 1923.

WHITE SWAN



Particular description of goods.—Canned Goods—Namely, Peaches, Egg Plums, Black Cherries, Black Raspberries, Red Raspberries, Golden Wax Beans, Sugar Corn, Stringless Beans, Apple Butter, Tunny, Spinach, Pineapple, Succotash, Red Kidney Beans, Oysters, Pears, Grapes, Pitted Red Cherries, Strawberries, Apricots, Lima Beans, Pork and Beans, Baked Beans, Asparagus Tips, Okra, Soup, Vegetables for Soup, Shrimp, Green Gage Plums, Royal Anne Cherries, Gooseberries, Blackberries, Okra and Tomatoes, Boiled Cabbage, Beets, Asparagus, Peas, Pumpkin, Tomatoes, Salmon, and Lunch Peas; Bottled Goods—Namely, Pepper Sauce, Maple Sirup, Salad Dressing, Olives, Ripe Olives, Vinegar, and Catch-

up; Packaged Goods—Namely Mincemeat, Rolled Oats, Chocolate, Lemon Peel, Tea, Raisins, Coffee, Hominy, Orange Peel, Currants, Coconut, Citron, and Potted Meat with Cereal (Used as a Binder); Sorghum, and Fruit Jam, Fruit Jelly, Fruit Preserves, Preserved Figs, and Peanut Butter in Jars and Glasses.

Claims use since 1885.

Ser. No. 175,298. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) BONNIE ROLAND CASWELL, Wilmington, Del. Filed Jan. 30, 1923.

Motor Saltz

Particular description of goods.—Motor Saltz (a Motor Energizer).

Claims use since Nov. 1, 1922.

Ser. No. 175,344. (CLASS 16. PAINTS AND PAINTERS' MATERIALS.) CHADWICK-BOSTON LEAD COMPANY, Boston, Mass. Filed Jan. 31, 1923.



So far as possible the coloring actually used is indicated on the drawing, the official lining for yellow being employed to indicate gold, the barrel, the streamer below it, some of the letters, and part of the background on the shield being gold and the shield red.

Particular description of goods.—White Lead, Dry and in Oil.

Claims use since about 1840.

Ser. No. 175,357. (CLASS 39. CLOTHING.) JACOB & SCHEY, New York, N. Y. Filed Jan. 31, 1923.



No claim made to the exclusive use of the words "Hose Built for Comfort and Durability" apart from the mark as shown in the drawing.

Particular description of goods.—Hosiery.

Claims use since July, 1921.

Ser. No. 175,360. (CLASS 48. MALT BEVERAGES, EXTRACTS, AND LIQUORS.) S. LIEBMANN'S SONS, INC., Brooklyn, N. Y. Filed Jan. 31, 1923.

Plaza

Particular description of goods.—Malt Beverage Containing Less Than One-Half of One Per Cent of Alcohol, by Volume.

Claims use since Dec. 2, 1922.

Ser. No. 175,398. (CLASS 39. CLOTHING.) JOSEPH BROS., doing business as United Kimono Co., New York, N. Y. Filed Feb. 1, 1923.

United Kimono Co

No claim made to the words "Manufacturers of Kimonos, Bath Robes" apart from the mark as shown.

Particular description of goods.—Kimonos, Bath Robes, Petticoats, Aprons, and Flannel Gowns.

Claims use since 1913.

Ser. No. 175,454. (CLASS 16. PAINTS AND PAINTERS' MATERIALS.) ARTISTS' BRUSH AND COLOR CORPORATION, New York, N. Y. Filed Feb. 3, 1923.

ABACCO

Particular description of goods.—Artists' Materials—Namely, Ready-Mixed Paints, Including Varnish, Paint Enamels, and Pigment Colors.

Claims use since November, 1921.

Ser. No. 175,507. (CLASS 28. JEWELRY AND PRECIOUS-METAL WARE.) MARCEL M. MIRABEAU, doing business as Lissauer & Company, New York, N. Y. Filed Feb. 3, 1923.



PANSY

Particular description of goods.—Jewelry for Personal Wear, Not Including Watches.

Claims use since July 1, 1891.

Ser. No. 175,555. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) HALL, TIBBALLS & CO., Hymera, Ind. Filed Feb. 5, 1923.

RUBICON

Particular description of goods.—Shampoo, Scalp Oil, Dandruff Ointment, Hair Oil, and Skin Lotion.

Claims use since November, 1922.

Ser. No. 175,557. (CLASS 39. CLOTHING.) HOWARD HOSE AND GARTER MFG. CO., Los Angeles, Calif. Filed Feb. 5, 1923.

Novelette

Particular description of goods.—Hosiery and Garters.

Claims use since Dec. 21, 1922.

Ser. No. 175,599. (CLASS 39. CLOTHING.) DUGAN & HUDSON CO., Rochester, N. Y. Filed Feb. 6, 1923.



No claim made to the exclusive use of the pictorial representation of a shoe, or the phrases, "Instant Adjustment, Quick Relief" apart from the mark shown.

Particular description of goods.—Leather Shoes.

Claims use since Nov. 14, 1922.

Ser. No. 175,681. (CLASS 45. BEVERAGES, NONALCOHOLIC.) SETHNESS COMPANY, Chicago, Ill. Filed Feb. 7, 1923.

CHERRYETTE

Particular description of goods.—Nonalcoholic, Maltless Beverage Sold as a Soft Drink and Sirups for Making the Same.

Claims use since June 1, 1922.

Ser. No. 175,754. (CLASS 21. ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES.) AMERICAN ELECTRIC EQUIPMENT CO., INC., New York, N. Y. Filed Feb. 9, 1923.

AMELECO

Particular description of goods.—Portable Electric Lamps and Parts Thereof, and Brackets, Stands, and Clamps Therefor.

Claims use since Dec. 1, 1922.

Ser. No. 175,755. (CLASS 21. ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES.) AMERICAN ELECTRIC EQUIPMENT CO., INC., New York, N. Y. Filed Feb. 9, 1923.

CALCULITE

Particular description of goods.—Portable Electric Lamps and Parts Thereof, and Brackets, Stands, and Clamps Therefor.

Claims use since Dec. 1, 1922.

Ser. No. 175,758. (CLASS 21. ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES.) AMERICAN ELECTRIC EQUIPMENT CO., INC., New York, N. Y. Filed Feb. 9, 1923.

TYPE-RIGHT-LITE

Particular description of goods.—Portable Electric Lamps and Parts Thereof, and Brackets, Stands, and Clamps Therefor.

Claims use since Dec. 1, 1922.

Ser. No. 175,792. (CLASS 21. ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES.) HOME LIGHTING EQUIPMENT CORPORATION, New York, N. Y. Filed Feb. 9, 1923.

HAN-DE-LITE

Particular description of goods.—Portable Electric Lamps and Parts Thereof, and Brackets, Stands, and Clamps Therefor.

Claims use since Dec. 1, 1922.

Ser. No. 175,819. (CLASS 39. CLOTHING.) CHILDS SPECIALTY HOUSE, Union City, Tenn. Filed Feb. 10, 1923.

Homade

Particular description of goods.—Wearing Apparel for Men, Women, and Children, Comprising One, Two, and Three Piece Wash and Silk Dresses; Coats; Silk, Cotton, and Wool Underwear, Said Underwear Being Both of Knitted and Textile Fabric, and Silk Gloves.

Claims use since 1917.

Ser. No. 175,866. (CLASS 39. CLOTHING.) ARTHUR HARTMAN, New York, N. Y. Filed Feb. 10, 1923.

BOND STREET

Particular description of goods.—Shirts—Namely, Dress, Negligee, and Work Shirts.
Claims use since 1914.

Ser. No. 175,867. (CLASS 39. CLOTHING.) ARTHUR HARTMAN, New York, N. Y. Filed Feb. 10, 1923.

THE SHIRT WITH THE BOND

Particular description of goods.—Shirts—Namely, Dress, Negligee, and Work Shirts.
Claims use since 1914.

Ser. No. 175,868. (CLASS 39. CLOTHING.) ARTHUR HARTMAN, New York, N. Y. Filed Feb. 10, 1923.

BOND STREET

THE SHIRT WITH THE BOND

Particular description of goods.—Shirts—Namely, Dress, Negligee, and Work Shirts.
Claims use since 1914.

Ser. No. 175,893. (CLASS 39. CLOTHING.) STERN, MERRITT CO. INC., New York, N. Y. Filed Feb. 10, 1923.

SURETY

Particular description of goods.—Neckties.
Claims use since Jan. 1, 1920.

Ser. No. 175,894. (CLASS 39. CLOTHING.) STERN, MERRITT CO. INC., New York, N. Y. Filed Feb. 10, 1923.

PICCADDILY

Particular description of goods.—Neckties.
Claims use since Jan. 1, 1920.

Ser. No. 175,970. (CLASS 4. ABRASIVE, DETERGENT, AND POLISHING MATERIALS.) JOSEPH J. SWAYNE, doing business as Jo-Lo Rug Cleaning Mfg. Co., Philadelphia, Pa. Filed Feb. 12, 1923.

JO-LO

Particular description of goods.—Compound for Cleaning Rugs.
Claims use since Jan. 30, 1922.

Ser. No. 175,990. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) INECTO INCORPORATION, New York, N. Y. Filed Feb. 13, 1923.

KEMOLITE
NATURE'S OWN
RADIO-ACTIVE
BEAUTY PLASMA

No claim is made to the words "Nature's Own Radio-Active Beauty Plasma."
Particular description of goods.—Face Cream.
Claims use since January, 1921.

Ser. No. 176,029. (CLASS 39. CLOTHING.) MALLAS CRAVIS CO., New York, N. Y. Filed Feb. 14, 1923.

MALCRA

Particular description of goods.—Women's and Misses' Dresses.
Claims use since Jan. 11, 1923.

Ser. No. 176,049. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) J. JACOB SHANNON & CO., Philadelphia, Pa. Filed Feb. 14, 1923.

1744

Particular description of goods.—Derrick and Parts Thereof; Cranes and Parts Thereof, Steam Shovels and Parts Thereof, Air Compressors, Hoisting Apparatus and Parts Thereof; Air and Steam Pumps and Parts Thereof, Concrete-Mixing Apparatus, Asphalt Dippers, Steam and Explosion Engines and Parts Thereof, Winches, Sheaves, Blocks, Pulleys, Travelers, Trolleys, Windlasses, Hoisting Tripods, Pile-Driving Apparatus, Ore and Rock Crushers, Saws, Saw Benches and Parts Thereof, Pneumatic Percussive and Rotary Tools, Mandrels, Pumping Outfits; Hand and Power Hammers, Drills, Borers, Cutters, Punchers, Grindstones, Lawn Mowers, and Rollers; Road Making and Road Repairing Machinery, Apparatus, and Parts Thereof; Sawmills, Blacksmiths' Blowers, Bellows,

Turntables, Grappling Tools and Devices, Hawsing Irons and Beetles, Plows, Scoops, Dump Buckets, Street Sweepers and Sprinklers, Manure Spreaders, Slaters' Tools, Mortar and Cement Tools, Ironworker's Tools, Tampers, Vises, Clamps, Hammers, Sledges, Mallets, Axes, Adzes, Hatchets, Cleavers, Hoes, Rakes, Spades, Shears, Shovels, Mattocks, Picks, Industrial Forks and Knives, Scythes, Potato and Manure Hooks, Bail Hooks, Ice Hooks, Jacks, Power Whistles, Knife and Edge Tools, Sharpening Machinery; Tube Cutters, Cleaners, and Expanders; Bull Wheels, Pliers, Boring Tools, Tool Braces, Boring Bits, Augers, Drill Steels, Handles for Tools, Wrenches, Stonecutters' Tools; Rail Straightening, Cutting, and Bending Devices and Parts; Car Replacers and Movers, Anvil Tools, Awls, Files, Chisels, Countersinks, Creasers, Boiler Room and Blacksmiths' Fire Sets, Speed and Pressure Regulators, Oil and Grease Cups, Lubricators, Injectors and Ejectors, Pipe-Cutting Tools, Stocks, Dies and Plates, Chucks, Asphaltum Tools, Blasting Mats; Brick, Mortar, and Sewer Hods; Sand and Gravel Screens and Sieves, Wood Planes, Reamers, Screw Drivers, Taps, Gimlets, Metal-Grinding Machines; Bolt, Rivet, and Horse Clippers; Cutting Nippers, Pincers, Spike Pullers, Saw Sets, Farriers' Tools, Melting Ladles, Shaft Hangers, Shafting, Locomotives, Soldering Coppers; Sailors' and Sailmakers' Palms, Calking Tools, Lobster Claws and Rigger Screws, Dollies, Grinding-Wheel Dressers, Washer Cutters, Trench Braces and Parts Thereof, Crowbars and Like Tool Bars, Pipe-Spreading Tools and Parts Thereof.
Claims use since 1888.

Ser. No. 176,095. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) PENNSYLVANIA SALT MANUFACTURING COMPANY, Philadelphia, Pa. Filed Feb. 15, 1923. Under ten-year proviso.

AMERICAN

Particular description of goods.—Lye.
Claims use since 1854.

Ser. No. 176,096. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) PENNSYLVANIA SALT MANUFACTURING COMPANY, Philadelphia, Pa. Filed Feb. 15, 1923. Under ten-year proviso.



Particular description of goods.—Lye.
Claims use since 1854.

Ser. No. 176,097. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) PENNSYLVANIA SALT MANUFACTURING COMPANY, Philadelphia, Pa. Filed Feb. 15, 1923. Under ten-year proviso.



Particular description of goods.—Lye.
Claims use since 1854.

Ser. No. 176,185. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) WM. T. HUESH & CONN, Mansfield, Ohio. Filed Feb. 17, 1923.

VITAZONE

Particular description of goods.—Vegetable Compound and System Blood Purifier.
Claims use since Dec. 1, 1913.

Ser. No. 176,227. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) STOLZ BROS. DAVIS COMPANY INCORPORATED, Syracuse, N. Y. Filed Feb. 17, 1923.

Elsner

Particular description of goods.—Cough Mixture.
Claims use since Jan. 29, 1891.

Ser. No. 176,337. (CLASS 39. CLOTHING.) GOODYEAR RUBBER COMPANY, Middletown, Conn. Filed Feb. 20, 1923.



No claim is made to the use of the words "Trade Mark" and "Goodyear Rubber Company" apart from the mark shown on the drawing. The lining on drawing indicates the color black.
Particular description of goods.—Rubber Boots and Shoes and Arctic Overshoes.
Claims use since Jan. 18, 1923.

Ser. No. 176,342. (CLASS 41. CANES, PARASOLS, AND UMBRELLAS.) JACOB GROSSMAN, doing business as Giant Umbrella Co., New York, N. Y. Filed Feb. 20, 1923.

"STAR GIANT"

Particular description of goods.—Umbrellas and Parasols.
Claims use since about 1910.

Ser. No. 176,357. (CLASS 4. ABRASIVE, DETERGENT, AND POLISHING MATERIALS.) THE PALISADE MANUFACTURING COMPANY, Yonkers, N. Y. Filed Feb. 20, 1923.

VELVET-SKIN

Particular description of goods.—Soap.
Claims use since Apr. 10, 1889.

Ser. No. 176,454. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) VINCENT M. CORSO, doing business as The Hare Manufacturing Company, Hartford, Conn. Filed Feb. 23, 1923.



Particular description of goods.—Hair Tonics.
Claims use since Jan. 1, 1920.

Ser. No. 176,505. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) FREDERICK G. SHAW, Brooklyn, N. Y. Filed Feb. 23, 1923.

'Muscabane'

Trade-mark consists of the word "Muscabane."
Particular description of goods.—Cream to be Applied to the Skin as an Insect Repellent.
Claims use since April, 1922.

Ser. No. 176,611. (CLASS 17. TOBACCO PRODUCTS.) JOSEPH FARFAGLIA & Co., Canastota, N. Y. Filed Feb. 26, 1923.



No claim made to the word "Sigari" apart from the mark shown.
Particular description of goods.—Cigars and Smoking Tobacco.
Claims use since Nov. 29, 1922.

Ser. No. 176,656. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) SAN ANTONIO DRUG CO., San Antonio, Tex. Filed Feb. 26, 1923.

MOUNTAIN PINE

Particular description of goods.—Strup for the Relief of Coughs, Colds, and Bronchitis.
Claims use since January, 1912.

Ser. No. 176,710. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) ARTHUR W. BISHOP, doing business as King & Winston Products Co., St. Louis, Mo. Filed Feb. 28, 1923.



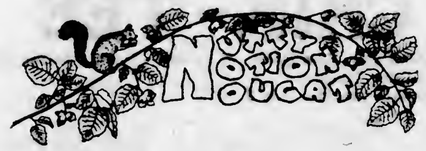
The portraits in the drawing are not of any living individuals and were thought out and designed to make one look like a king and the other like a doctor, and the name "King & Winston" was selected to use for it.
Particular description of goods.—Pile Balm and Tablets for Disorders of the Liver and Bowels.
Claims use since May 11, 1920.

Ser. No. 176,720. (CLASS 39. CLOTHING.) DALTON HOSIERY MILLS, Dalton, Ga. Filed Feb. 28, 1923.

DAYDREAM

Trade-mark consists of the word "Daydream."
Particular description of goods.—Hosiery.
Claims use since Sept. 5, 1922.

Ser. No. 176,731. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) HARRY DILAS, doing business as The Arcadia, Bay City, Mich. Filed Feb. 28, 1923.



Particular description of goods.—Candy.
Claims use since Nov. 21, 1922.

Ser. No. 176,904. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) MCGOVERN & MCGOVERN, Seattle, Wash. Filed Mar. 3, 1923.

PrincessPat

Particular description of goods.—Canned Salmon.
Claims use since Jan. 23, 1923.

Ser. No. 176,917. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) HARRY E. RITTER & MARY V. GORDON, Selinsgrove, Pa. Filed Mar. 3, 1923.

RIT-GOR

Particular description of goods.—Cancer Salve.
Claims use since Jan. 15, 1923.

Ser. No. 177,032. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) GEORGE J. BOLDUC, doing business as G. J. Bolduc & Company, Portland, Oreg. Filed Mar. 6, 1923.



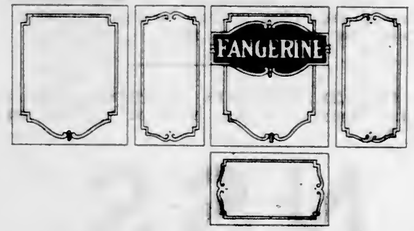
No claim is made to the wording on the drawing apart from the mark shown excepting the word "Mother's" and "G. J. Bolduc Co."
Particular description of goods.—Cough Drops and Lozenges.
Claims use since Jan. 15, 1923.

Ser. No. 177,036. (CLASS 21. ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES.) ALBERT J. COLM, doing business as Three-In-One Lantern Company, Denver, Colo. Filed Mar. 6, 1923.



No claim is made to the words "Safe," "Durable," and "Economical" apart from the mark as shown.
Particular description of goods.—Electric Lanterns.
Claims use since October, 1921.

Ser. No. 177,040. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) THE GOTHAM CORPORATION, New York, N. Y. Filed Mar. 6, 1923.



Particular description of goods.—Preparations for the Treatment of Constipation and Its Symptoms, Such as Headache, Sluggishness, Poor Appetite, Indigestion, Biliousness, Sour Stomach, Gas, and Halitosis.
Claims use since Feb. 20, 1923.

Ser. No. 177,044. (CLASS 26. MEASURING AND SCIENTIFIC APPLIANCES.) MASTER RULE MFG. CO. INC., New York, N. Y. Filed Mar. 6, 1923.

Master

Particular description of goods.—Rules, Folding Rules, and Extension Rules.
Claims use since 1918.

Ser. No. 177,062. (CLASS 13. HARDWARE AND PLUMBING AND STEAM-FITTING SUPPLIES.) ANACONDA COPPER MINING COMPANY, New York, N. Y. Filed Mar. 7, 1923.

ANACONDA

Particular description of goods.—Brass Tubes, Copper Tubes, Low-Brass Seamless Tubes, Copper Seamless Tubes, Condenser Tubes, Brazed Brass and Copper Tubes, and Nickel-Silver Seamless Tubes.
Claims use since May 1, 1922.

Ser. No. 177,111. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) MICHAEL W. SHEFFIEL, doing business as Rheumatum Company, Stigler, Okla. Filed Mar. 7, 1923.



The portrait shown is of the applicant.
Particular description of goods.—Liniment for Use in the Treatment of Rheumatism, Headache, Toothache, Cramps, Bruises, Piles, Influenza, and Heart Trouble.
Claims use since Mar. 1, 1922.

Ser. No. 177,194. (CLASS 39. CLOTHING.) NATIONAL SHIRT SHOPS, INC., New York, N. Y. Filed Mar. 9, 1923.

N.S.S. INC.

Particular description of goods.—Men's Suits, Coats, Vests, Trousers, Overcoats, Bath Robes, House Gowns, Bathing Suits, Dress Shirts, Negligee Shirts, Work Shirts, Pyjamas, Underwear of Knitted and Woven Material, Caps, Socks, Stockings, Slippers Made of Rubber and Fabric, Mufflers, Collars, Cuffs, Neckties, and Leather and Fabric Gloves.
Claims use since Apr. 1, 1920.

Ser. No. 177,252. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) UNCHOKEABLE PUMP, LIMITED, London, England. Filed Mar. 10, 1923.

CORMORANT

Particular description of goods.—Pumps.
Claims use since Mar. 9, 1921.

Ser. No. 177,292. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) VERNON C. GETZ, doing business as The Wonderlay Company, Indianapolis, Ind. Filed Mar. 12, 1923.

CHIK-TEE

Particular description of goods.—Liquid Antiseptic Drink for Chicks.
Claims use since Feb. 1, 1923.

Ser. No. 177,294. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) P. JOSEPH GILLEN, doing business as Mentho-Kreoamo Company, Clinton, Ill. Filed Mar. 12, 1923.

M-K MENTHO-KREOAMO

Particular description of goods.—Medicinal Preparation for the Treatment of Pneumonia, Flu, Colds, Bronchitis, and Tuberculosis.
Claims use since Jan. 1, 1922.

Ser. No. 177,306. (CLASS 28. JEWELRY AND PRECIOUS-METAL WARE.) HYMAN LEVITAN, Boston, Mass. Filed Mar. 12, 1923.



No claim is made to the word "Pearls" or to the words "De Luxe" apart from the mark as shown in the drawing. The drawing is lined to indicate a background of blue.
Particular description of goods.—Artificial Pearls.
Claims use since Feb. 3, 1923.

Ser. No. 177,312. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) MERCK & CO., New York, N. Y. Filed Mar. 12, 1923.

NARPHOQUIN

Trade-mark consists of the word "Narphoquin."
Particular description of goods.—Soporific.
Claims use since Sept. 20, 1922.

Ser. No. 177,313. (CLASS 39. CLOTHING.) JOHN C. MICHAEL COMPANY, Chicago, Ill. Filed Mar. 12, 1923.

Mickey

Particular description of goods.—Women's, Misses', and Children's Wash Dresses and Aprons.
Claims use since Jan. 20, 1923.

Ser. No. 177,359. (CLASS 39. CLOTHING.) CHIPMAN KNITTING MILLS, Easton, Pa. Filed Mar. 13, 1923.

"POM-POM"

Particular description of goods.—Hosiery.
Claims use since Mar. 2, 1923.

Ser. No. 177,379. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) HOUBIGANT, INC., New York, N. Y. Filed Mar. 13, 1923.

EN VISITE

Particular description of goods.—Perfume, Toilet Water, Face Powder, Talcum Powder, Sachet, Brilliantine, Face Cream, Lotion for the Skin and Hair, and Rouge.
Claims use since Mar. 1, 1923.

Ser. No. 177,419. (CLASS 39. CLOTHING.) ANDREW A. WUEST, Cincinnati, Ohio. Filed Mar. 13, 1923.

NIP-N-TUCK



Particular description of goods.—Boys' and Girls' Hosiery.
Claims use since Mar. 23, 1921.

Ser. No. 177,428. (CLASS 39. CLOTHING.) CROOKER & MORSE, INC., Bridgewater, Mass. Filed Mar. 14, 1923.

Isis

Particular description of goods.—Boots and Shoes Made of Leather, Fabric, or a Combination of Leather and Fabric.
Claims use since Mar. 1, 1923.

Ser. No. 177,445. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) L & W MFG. COMPANY, Vincennes, Ind. Filed Mar. 14, 1923.

INGRO-NAIL.



Particular description of goods.—Medicine for the Treatment of Ingrowing Toenails.
Claims use since Nov. 20, 1922.

Ser. No. 177,447. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) WILLIAM H. MATHEWS, doing business as The Mathews Medical Company, San Francisco, Calif. Filed Mar. 14, 1923.

HERCOL

Particular description of goods.—Medical Tonic in Liquid Form for Use in the Treatment of Anæmia, Debility, Stomach Derangements, Kidney Affections, Impure Blood, Boils, Rheumatic Tendencies, Catarrhal Troubles, Dizziness, Biliousness, and Malaria.
Claims use since July 1, 1922.

Ser. No. 177,462. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) STEPHENS-BRADLEY COMPANY, Lindale, Ga. Filed Mar. 14, 1923.



Particular description of goods.—Kidney and Bladder Pills.
Claims use since Dec. 11, 1922.

Ser. No. 177,480. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) FRASER MILK PRODUCTS CO., INC., Fraser, N. Y. Filed Mar. 15, 1923.

FRASERLAK

Trade-mark consists of the word "Fraserlak."
Particular description of goods.—Powdered Milk and Baby Foods.
Claims use since about Jan. 1, 1923.

Ser. No. 177,487. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) H. & S. PRODUCTS CO., Millville, N. J. Filed Mar. 15, 1923.

CUT-I-HEAL

Particular description of goods.—Waterproof and Antiseptic Preparation for the Treatment of Cuts, Cracks, and Abrasions of the Skin.
Claims use since on or about Mar. 15, 1922.

Ser. No. 177,518. (CLASS 2. RECEPTACLES.) A. L. T. RUSTIC COMPANY, Belvidere, Ill. Filed Mar. 15, 1923.



Particular description of goods.—Ornamental Stoneware Articles, Such as Comprising Bird Bath, Vase, and Flower Boxes.
Claims use since Nov. 1, 1921.

Ser. No. 177,519. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) SAN-I-SAL LABORATORIES, INC., Washington, D. C. Filed Mar. 15, 1923.

SAN-I
DRI

Particular description of goods.—Preparation for the Prevention of Excessive Perspiration.
Claims use since December, 1921.

Ser. No. 177,598. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) FIRST TEXAS CHEMICAL MANUFACTURING COMPANY, Dallas, Tex. Filed Mar. 17, 1923.

CRE-SO-MUL

Particular description of goods.—Preparation for the Treatment of All Kinds of Chronic Bronchitis, Phthisis, and as a Gastrointestinal Antiseptic in Fermentative Gastritis and Enteritis.
Claims use since Nov. 8, 1922.

Ser. 177,617. (CLASS 21. ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES.) PHILADELPHIA STORAGE BATTERY CO., Philadelphia, Pa. Filed Mar. 17, 1923.

PHILCO

Particular description of goods.—Batteries and Battery Parts and Supplies—Namely, Plates, Wood Separators, Slot Retainers, Straps, Connectors, Terminals, Vent Caps, Jars, Covers, Wood Cases, and Sealing Compounds.
Claims use since about middle of September, 1922, upon batteries; since Mar. 1, 1923, upon battery parts.

Ser. No. 177,621. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) WARREN P. RASH CO., INC., Middlesboro, Ky. Filed Mar. 17, 1923.

War-Tabs

Particular description of goods.—Preparation for Neuralgia and Headache.
Claims use since September, 1922.

Ser. No. 177,626. (CLASS 39. CLOTHING.) LOUIS SHAPIRO, doing business as Louis Shapiro & Co., New York, N. Y. Filed Mar. 17, 1923.

ONE STEP

Trade-mark consists of the words "One Step."
Particular description of goods.—Men's Ready-Made Suits and Overcoats.
Claims use since Mar. 1, 1923.

Ser. No. 177,627. (CLASS 39. CLOTHING.) LOUIS SHAPIRO, doing business as Louis Shapiro & Co., New York, N. Y. Filed Mar. 17, 1923.

QUICK STEP

Trade-mark consists of the words "Quick Step."
Particular description of goods.—Men's Ready-Made Suits and Overcoats.
Claims use since Mar. 1, 1923.

Ser. No. 177,630. (CLASS 39. CLOTHING.) STAMPER & KAISER, New York, N. Y. Filed Mar. 17, 1923.

Cameo

Particular description of goods.—Men's, Women's, and Children's Hosiery.
Claims use since Dec. 5, 1922.

Ser. No. 177,639. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) VITA-SULPHUR COMPANY, Chicago, Ill. Filed Mar. 17, 1923.

VITA-SULPHUR LIQUID

The words "Sulphur" and "Liquid" apart from the mark shown are disclaimed for the purpose of this registration and without waiving any of applicant's common-law rights to the trade-mark.
Particular description of goods.—Liquid Medicinal Preparation Used Both Externally and Internally for the Treatment of Rheumatism, Neuritis, Sciatica, Lumbago, Gout, and Diseases of the Skin.
Claims use since January, 1920.

Ser. No. 177,656. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) DEARBORN SUPPLY COMPANY, Chicago, Ill. Filed Mar. 19, 1923.

BARCEL

Particular description of goods.—Shampoo Preparation to Help Keep the Hair and Scalp in a Clean Hygienic Natural Condition.
Claims use since June 28, 1922.

Ser. No. 177,657. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) DEARBORN SUPPLY COMPANY, Chicago, Ill. Filed Mar. 19, 1923.

Tarkroot

Particular description of goods.—Toilet Preparation in Powdered Form Which When Mixed With Lemon Juice, Cream, or Water and Applied to the Face Contracts and Hardens, Forming a Beauty Mask.
Claims use since Apr. 11, 1918.

Ser. No. 177,663. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) FRITZ RADIATOR CEMENT CO., Rhineland, Mo. Filed Mar. 19, 1923.

F-R-I-T-Z

Particular description of goods.—Product in Two Forms, Powder and Liquid, to be Used in Stopping Leaks in Cooling Systems of Automobiles, Motor Trucks, Tractors, and the Like and Commonly Called Radiator Cement in the Trade.
Claims use since Aug. 11, 1922.

Ser. No. 177,689. (CLASS 21. ELECTRICAL APPARATUS MACHINES, AND SUPPLIES.) JOHN ECKELKAMP, doing business as Parkview Electric Company, St. Louis, Mo. Filed Mar. 19, 1923.

PARKVIEW ELECTRIC CO.

Particular description of goods.—Electric Time Switches, Electric-Light Flashes, Electric Transformers, Electric Motors, Electric Rheostats, Electric Lamps, Electric Bell Ringers, Electric Annunciators, Electric Door Openers, Induction Coils, Batteries, Electrical Air-Heating Devices, Electrical Focusing Lamps.
Claims use since Jan. 1, 1922.

Ser. No. 177,697. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) WILLIAM SCHILPLIN, doing business as R. & H. E. Co., Seattle, Wash. Filed Mar. 19, 1923.

WITCH

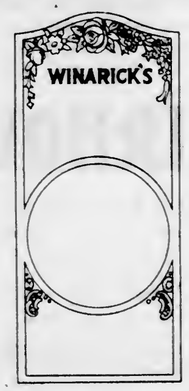
Particular description of goods.—Roach-Destroying Composition.
Claims use since Feb. 19, 1923.

Ser. No. 177,701. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) JOHN C. SLEATER CO., INC., New York, N. Y. Filed Mar. 19, 1923.

LUXOR JCSCo LINENS

No claim made to the word "Linens" apart from the mark shown in the drawing.
Particular description of goods.—Tablecloths, Napkins, Doilies, Centerpieces, and Household Linens.
Claims use since Feb. 23, 1923.

Ser. No. 177,720. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) ARTHUR WINARICK, New York, N. Y. Filed Mar. 19, 1923.



Particular description of goods.—Face Powders, Face Creams, Perfumes, Toilet Waters, Rouges, Hair Tonics, Hair Oils, Dentifrices, Tooth Powders, Nail Polishes, Deodorizing Preparations, and Sachet Powders.
Claims use since Sept. 15, 1921.

Ser. No. 177,729. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) ETHICUS PROMPT TREATMENT KIT, INC., New York, N. Y. Filed Mar. 20, 1923.

H A N D P

Particular description of goods.—Preparation for the Relief of Headache, Pain, Neuralgia, and Rheumatic Aches.
Claims use since Mar. 7, 1923.

Ser. No. 177,733. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) HENRY S. GILBERT, doing business as Berco Medicine Co., Louisville, Ky. Filed Mar. 20, 1923.

BERCO

Particular description of goods.—Female General Tonic.
Claims use since Oct. 7, 1922.

Ser. No. 177,737. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) GEORGE P. HALDY, Cedar Rapids, Iowa. Filed Mar. 20, 1923.

HAIRHOLD

Particular description of goods—Preparation for Holding the Hair in Place and for Use in Massaging the Scalp.
Claims use since Mar. 16, 1921.

Ser. No. 177,745. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) THE LARKIN AUTOMOTIVE PARTS COMPANY, Dayton, Ohio. Filed Mar. 20, 1923.

THURO

Without waiving any common-law rights to particular details of the mark shown when employed either separately or in combination no specific trade-mark claim is made for the representation of the grease gun per se apart from the other features of the mark as illustrated.
Particular description of goods.—Detachable Force-Feed Lubricating Apparatus, Parts and Fittings Thereof.
Claims use since Apr. 1, 1921.

Ser. No. 177,758. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) THE AMERICAN INSECTICIDE CO., Lima, Ohio. Filed Mar. 21, 1923.

Knox-A-Fly

Particular description of goods.—Insecticide.
Claims use since about Jan. 1, 1923.

Ser. No. 177,839. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) GEORGE LITTLE LIMITED, Manchester, England. Filed Mar. 22, 1923.

JACK HORNER

Particular description of goods.—Bacon, Hams, and Lard.
Claims use since June 1, 1892.

Ser. No. 177,854. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) SIMEON S. LEVY, doing business as La Fleur Laboratories, Cleveland, Ohio. Filed Mar. 22, 1923.

PERMA-WAVE

Particular description of goods.—Hair Dressing.
Claims use since Sept. 20, 1919.

Ser. No. 177,886. (CLASS 16. PAINTS AND PAINTERS' MATERIALS.) ERNEST W. WOODS, Los Angeles, Calif. Filed Mar. 22, 1923.

MAR-VO-LACK

Particular description of goods.—Liquid Waterproof Refinisher.
Claims use since Mar. 12, 1923.

Ser. No. 177,978. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) KERR TURBINE CO., Wellsville, N. Y. Filed Mar. 24, 1923.

TURBINES KERR GEARS

Applicant disclaims the exclusive right to the use of the words "Turbines" and "Gears" apart from the mark as shown.
Particular description of goods.—Turbines and Reduction Gears.
Claims use since Feb. 21, 1923.

Ser. No. 177,995. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) S. S. PIERCE CO., Boston, Mass. Filed Mar. 24, 1923.

RED LABEL

Particular description of goods.—Canned Fruits and Canned Vegetables.
Claims use since Apr. 1, 1887.

Ser. No. 178,021. (CLASS 39. CLOTHING.) THE BARA CORPORATION, New York, N. Y. Filed Mar. 26, 1923.

ZAN-ANA

Particular description of goods.—Kimonos, Breakfast Gowns, Slip-Overs, and Dressing Sacks.
Claims use since Mar. 1, 1922.

Ser. No. 178,030. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) ESSENTIAL OIL COMPANY, New York, N. Y. Filed Mar. 26, 1923.

EOC

Particular description of goods.—Essential Oils Used in the Production of Perfumes.
Claims use since Jan. 3, 1923.

Ser. No. 178,083. (CLASS 48. MALT BEVERAGES, EXTRACTS, AND LIQUORS.) M. ZIGELMAN, St. Louis, Mo. Filed Mar. 26, 1923.

QUAKER BRAND MALT SYRUP

No claim is made to the words "Brand" and "Malt Syrup" apart from the mark shown in the drawings.
Particular description of goods.—Malt Sirup.
Claims use since Oct. 26, 1920.

Ser. No. 178,146. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) STANDARD OIL COMPANY OF NEW YORK, New York, N. Y. Filed Mar. 27, 1923.

SOCOLENE

Particular description of goods.—Petroleum Jelly for Medicinal and Toilet Uses.
Claims use since Mar. 7, 1923.

Ser. No. 178,166. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) CUMBERLAND CHEMICAL CO., Nashville, Tenn. Filed Mar. 28, 1923.

OVA-VITA

Particular description of goods.—Tonic Compound for Treating Diseases Peculiar to Women.
Claims use since Sept. 15, 1922.

Ser. No. 178,167. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) CUMBERLAND CHEMICAL CO., Nashville, Tenn. Filed Mar. 28, 1923.

HEMMO-PILE

Particular description of goods.—Tablets and a Salve for Treating Hemorrhoids.
Claims use since Feb. 15, 1923.

Ser. No. 178,175. (CLASS 37. PAPER AND STATIONERY.) D. GESTETNER LIMITED, London, England. Filed Mar. 28, 1923.

D. Gestetner

Particular description of goods.—Duplicating Apparatus of the Type Employing Stencils and Accessories Thereto, Paper for Producing the Stencils, and Paper on Which the Stencils are Reproduced.
Claims use since 1883.

Ser. No. 178,199. (CLASS 39. CLOTHING.) WAYMART KNITTING MILL, Waymart, Pa. Filed Mar. 28, 1923.

The Waymart

Particular description of goods.—Sweater Coats.
Claims use since 1914.

Ser. No. 178,204. (CLASS 38. PRINTS AND PUBLICATIONS.) AMERICAN AGRICULTURIST, INC., New York, N. Y. Filed Mar. 29, 1923.

The HIRED MAN

Particular description of goods.—Periodical Publications Issued at Regular Intervals.
Claims use since Mar. 17, 1923.

Ser. No. 178,224. (CLASS 28. JEWELRY AND PRECIOUS-METAL WARE.) COHEN & ROSENBERGER INC., New York, N. Y. Filed Mar. 29, 1923.

MUSIC BOX

Particular description of goods.—Bracelets and Earrings.
Claims use since Mar. 9, 1923.

Ser. No. 178,227. (CLASS 39. CLOTHING.) JOHN A. CUSTER, doing business as Telltale Hosiery Co., Lansdale, Pa. Filed Mar. 29, 1923.

TELLTALE Co

Particular description of goods.—Men's, Women's, and Children's Hosiery.
Claims use since January, 1921.

Ser. No. 178,252. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) THE JENQUINS LABORATORIES, Chicago, Ill. Filed Mar. 29, 1923.

JENQUIN'S

Particular description of goods.—Cod-Liver-Oil Pills.
Claims use since Feb. 1, 1923.

Ser. No. 178,273. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) OREGON BRASS WORKS, Portland, Oreg. Filed Mar. 29, 1923.

DUCTYL

Particular description of goods.—Journal Bearings.
Claims use since October, 1919.

Ser. No. 178,276. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) ORTHO MANUFACTURING COMPANY, INC., New York, N. Y. Filed Mar. 29, 1923.

ORTHODENT

Particular description of goods.—Liquid Dentifrice, a Pharmaceutical Preparation.
Claims use since Feb. 1, 1923.

Ser. No. 178,280. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) GEORGE H. POUND, doing business as Tress Laboratories, Los Angeles, Calif. Filed Mar. 29, 1923.

"TRESS"

Particular description of goods.—Hair Tonic.
Claims use since December, 1922.

Ser. No. 178,282. (CLASS 26. MEASURING AND SCIENTIFIC APPLIANCES.) RADIO MOTION PICTURE PHON. CORP., Fall River, Mass., and Long Island City, N. Y. Filed Mar. 29, 1923.

RA-MO-PHONE

Particular description of goods.—Educational Appliances, Embracing Cabinets within Which are Disposed Radioreceivers, Motion-Picture Projectors, as Well as Phonographs and Motion-Picture Films.
Claims use since Dec. 1, 1922.

Ser. No. 178,285. (CLASS 39. CLOTHING.) RITEWEB MANUFACTURING COMPANY, INC., Yonkers, N. Y. Filed Mar. 29, 1923.

THE Autocrat

Particular description of goods.—Men's, Women's, and Children's Athletic Underwear and Knitted Underwear.
Claims use since 1918.

Ser. No. 178,286. (CLASS 39. CLOTHING.) RITEWEB MANUFACTURING COMPANY, INC., Yonkers, N. Y. Filed Mar. 29, 1923.

RITEWEB

Particular description of goods.—Men's, Women's, and Children's Athletic Underwear and Knitted Underwear.
Claims use since 1914.

Ser. No. 178,292. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) SOUTHERN SPECIALTY COMPANY, Thomasville, Ga. Filed Mar. 29, 1923.

DEVILMENT

Particular description of goods.—Insecticide.
Claims use since 1917.

Ser. No. 178,293. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) SOUTHERN SPECIALTY COMPANY, Thomasville, Ga. Filed Mar. 29, 1923.

WALKER'S

B. W. Walker

The portrait and signature shown in the drawing is that of B. W. Walker, deceased.
Particular description of goods.—Insecticide.
Claims use since 1917.

Ser. No. 178,314. (CLASS 39. CLOTHING.) JOSEPH P. VOORHEES, East Orange, N. J. Filed Mar. 29, 1923.

Charmette

Particular description of goods.—Men's, Women's, and Children's Hosiery.
Claims use since Dec. 22, 1922.

Ser. No. 178,321. (CLASS 39. CLOTHING.) ARMIN H. WITTENBERG, doing business as Mission Hosiery Mills, Los Angeles, Calif. Filed Mar. 29, 1923.

MISSION-KNIT

Particular description of goods.—Hosiery, Sweaters, and Knitted Underwear for Men, Women, and Children.
Claims use since Apr. 15, 1913.

Ser. No. 178,322. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) WIZARD LIGHTFOOT APPLIANCE COMPANY, St. Louis, Mo. Filed Mar. 29, 1923.

LIGHTFOOT

Particular description of goods.—Zinc-Oxide Pads.
Claims use since Jan. 1, 1923.

Ser. No. 178,345. (CLASS 39. CLOTHING.) M. KIRSCHNER & SONS, New York, N. Y. Filed Mar. 30, 1923.

Daintimiss

Particular description of goods.—Cloaks, Suits, Dresses.
Claims use since Dec. 1, 1922.

Ser. No. 178,346. (CLASS 39. CLOTHING.) M. KIRSCHNER & SONS, New York, N. Y. Filed Mar. 30, 1923.

Marjolaine

Particular description of goods.—Cloaks, Suits, Dresses.
Claims use since Dec. 1, 1922.

Ser. No. 178,367. (CLASS 39. CLOTHING.) MARTHA MAID MANUFACTURING COMPANY, INCORPORATED, Chicago, Ill. Filed Mar. 26, 1923.

DIXIE DANDY

Particular description of goods.—Children's Dresses
Claims use since 1920.

Ser. No. 178,399. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) LISTERATED GUM CORPORATION, New York, N. Y. Filed Mar. 31, 1923.

ORBIT

Particular description of goods.—Chewing Gum.
Claims use since Mar. 22, 1923.

Ser. No. 178,433. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) WILLIAM E. DICKEY, Seneca Falls, N. Y. Filed Apr. 2, 1923.



The words "Auto-Pneumatic Water System" appearing in the mark are disclaimed by the applicant apart from the mark shown by the drawing.
Particular description of goods.—Automatic Pneumatic Water-Supply System.
Claims use since Nov. 1, 1922.

Ser. No. 178,449. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) LEVRING AND COMPANY, INCORPORATED, St. Louis, Mo. Filed Apr. 2, 1923.

MARATHON

Particular description of goods.—Cheese Color and Butter Color.
Claims use since October, 1922.

Ser. No. 178,455. (CLASS 39. CLOTHING.) NEWMAN, MARCUS & TORCHIA, Cincinnati, Ohio. Filed Apr. 2, 1923.

Mitzie

Particular description of goods.—Frocks.
Claims use since on or about Jan. 15, 1923.

Ser. No. 178,459. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) ORGAN-IRON MEDICINE COMPANY, Omaha, Nebr. Filed Apr. 2, 1923.

NEBRATONE

Particular description of goods.—Medicine Used in Cases of Stomach, Liver, Kidney, and Bladder Trouble, Indigestion, Constipation, Biliousness, and Backache.
Claims use since Jan. 2, 1923.

Ser. No. 178,460. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) ORGAN-IRON MEDICINE COMPANY, Omaha, Nebr. Filed Apr. 2, 1923.

NEBROL

Particular description of goods.—Medicine Used in Cases of Rheumatism, Sciatica, Lumbago, Colds, Coughs, Pleurisy, Hoarseness, Headache, Neuralgia, Toothache, Sprains, Sore Muscles, Stiff Neck or Joints, Backache, Lameness, and Chilblains.
Claims use since Jan. 2, 1923.

Ser. No. 178,461. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) ORGAN-IRON MEDICINE COMPANY, Omaha, Nebr. Filed Apr. 2, 1923.

SANTAGLOBS

Particular description of goods.—Medicine Used in Cases of Kidney and Bladder Troubles, Acute and Chronic Inflammations of the Urinary Tract, and as a Urinary Antiseptic.
Claims use since Oct. 5, 1921.

Ser. No. 178,472. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) THE REMILLER CO., New York, N. Y. Filed Apr. 2, 1923.

SILQUE

Particular description of goods.—Face and Hand Lotion.
Claims use since Mar. 29, 1923.

Ser. No. 178,499. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) SAMUEL R. DIGHTON, Savannah, Ga. Filed Apr. 3, 1923.

"LAXAFIDE"

Particular description of goods.—Medicinal Preparations for Colds and Constipation.
Claims use since Mar. 23, 1923.

Ser. No. 178,500. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) CICERO FRANCIS FUTRELL, Conway, N. C. Filed Apr. 3, 1923.

LE-PEP-LINE

Particular description of goods.—Preparation for the Treatment of Piles.
Claims use since Jan. 5, 1918.

Ser. No. 178,504. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) MRS. NELLIE F. HOFFMAN, Brookings, S. Dak. Filed Apr. 3, 1923.

Hoffnel

Particular description of goods.—Medicine for the Treatment of Hog Cholera.
Claims use since Dec. 28, 1922.

Ser. No. 178,554. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) THE CRYSTAL CHEMICAL CO. INC., New York, N. Y. Filed Apr. 4, 1923.

Crystal Z. B. T.

Particular description of goods.—Powder for Nursery and Toilet Use.
Claims use since Sept. 1, 1922.

Ser. No. 178,563. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) H. A. METZ & CO., INC., New York, N. Y. Filed Apr. 4, 1923.

HANSA

Particular description of goods.—Dyestuffs Applicable in Coloring and Printing Purposes.
Claims use since 1905.

Ser. No. 178,570. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) SALON VIENNESE, New York, N. Y. Filed Apr. 4, 1923.

VAHDAH-VAHRAH

Particular description of goods.—Facial Oil and Ointment.
Claims use since Apr. 2, 1923.

Ser. No. 178,575. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) STERLING PRICE TAYLOR, doing business as Taylor Drug Company, Mineral Wells, Tex. Filed Apr. 4, 1923.

RAYTONE

Particular description of goods.—Liquid Dandruff Remover.
Claims use since July 20, 1922.

Ser. No. 178,580. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) THE TURNER & SEYMOUR MANUFACTURING CO., Torrington, Conn. Filed Apr. 4, 1923.

BLUE WHIRL

Particular description of goods.—Egg Beaters.
Claims use since Mar. 27, 1923.

Ser. No. 178,592. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) CHLORO CHEMICAL CORPORATION, New York, N. Y. Filed Apr. 5, 1923.

FIRMA-CHLORO

Particular description of goods.—Liquid Medicants and Ointments for Antiseptic Uses and for Use as Surgical Disinfectants in the Treatment of Ulcers, Carbuncles, Boils, Abrasions, Infections, Inflammations, Burns, Sunburn, Ivy Poisoning, Cuts, Incisions, Skin Diseases, and Insect Bites.
Claims use since July, 1922.

Ser. No. 178,597. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) E. C. DE WITT & CO., INC., Chicago, Ill. Filed Apr. 5, 1923.

KORNGONE

Particular description of goods.—Preparation for Removing Corns and Calluses.
Claims use since August, 1922.

Ser. No. 178,600. (CLASS 39. CLOTHING.) SAMUEL M. FOSTER COMPANY, Fort Wayne, Ind. Filed Apr. 5, 1923.

PIC-WIC

Particular description of goods.—Dresses and Waists.
Claims use since September, 1922.

Ser. No. 178,626. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) HARRY J. NOVACK, doing business as Colloidal Laboratories, Philadelphia, Pa. Filed Apr. 5, 1923.

COLODINE

Particular description of goods.—Liquid Iodine Preparation.
Claims use since March, 1915.

Ser. No. 178,676. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) CARL A. SCHWARZE, doing business as Sindol Co., Woodhaven, N. Y. Filed Apr. 6, 1923.

Sindol

Particular description of goods.—Face Powders, Face Creams, Perfumes, Toilet Waters, Rouges, Hair Tonics, Hair Oils, Dentifrices, Tooth Powders, Nail Polishes, Deodorizing Preparations, and Sachet Powders.
Claims use since Apr. 2, 1923.

Ser. No. 178,797. (CLASS 26. MEASURING AND SCIENTIFIC APPLIANCES.) ANSCO COMPANY, Binghamton, N. Y. Filed Apr. 9, 1923.

3 A

Particular Description of goods.—Photographic Films.
Claims use since Jan. 1, 1908.

Ser. No. 178,798. (CLASS 26. MEASURING AND SCIENTIFIC APPLIANCES.) ANSCO COMPANY, Binghamton, N. Y. Filed Apr. 9, 1923.

4 A

Particular description of goods.—Photographic Films.
Claims use since Jan. 1, 1908.

Ser. No. 178,799. (CLASS 26. MEASURING AND SCIENTIFIC APPLIANCES.) ANSCO COMPANY, Binghamton, N. Y. Filed Apr. 9, 1923.

7 A

Particular description of goods.—Photographic Films.
Claims use since Jan. 1, 1908.

Ser. No. 178,800. (CLASS 26. MEASURING AND SCIENTIFIC APPLIANCES.) ANSCO COMPANY, Binghamton, N. Y. Filed Apr. 9, 1923.

8 A

Particular description of goods.—Photographic Films.
Claims use since Jan. 1, 1908.

Ser. No. 178,801. (CLASS 26. MEASURING AND SCIENTIFIC APPLIANCES.) ANSCO COMPANY, Binghamton, N. Y. Filed Apr. 9, 1923.

18 A

Particular description of goods.—Photographic Films.
Claims use since Jan. 1, 1908.

Ser. No. 178,802. (CLASS 26. MEASURING AND SCIENTIFIC APPLIANCES.) ANSCO COMPANY, Binghamton, N. Y. Filed Apr. 9, 1923.

26 A

Particular description of goods.—Photographic Films.
Claims use since Jan. 1, 1908.

Ser. No. 178,803. (CLASS 26. MEASURING AND SCIENTIFIC APPLIANCES.) ANSCO COMPANY, Binghamton, N. Y. Filed Apr. 9, 1923.

6 B

Particular description of goods.—Photographic Films.
Claims use since Jan. 1, 1908.

Ser. No. 178,804. (CLASS 26. MEASURING AND SCIENTIFIC APPLIANCES.) ANSCO COMPANY, Binghamton, N. Y. Filed Apr. 9, 1923.

18 B

Particular description of goods.—Photographic Films.
Claims use since Jan. 1, 1908.

Ser. No. 178,805. (CLASS 26. MEASURING AND SCIENTIFIC APPLIANCES.) ANSCO COMPANY, Binghamton, N. Y. Filed Apr. 9, 1923.

26 B

Particular description of goods.—Photographic Films.
Claims use since Jan. 1, 1918.

Ser. No. 178,806. (CLASS 26. MEASURING AND SCIENTIFIC APPLIANCES.) ANSCO COMPANY, Binghamton, N. Y. Filed Apr. 9, 1923.

2 C

Particular description of goods.—Photographic Films.
Claims use since Feb. 10, 1912.

Ser. No. 178,807. (CLASS 26. MEASURING AND SCIENTIFIC APPLIANCES.) ANSCO COMPANY, Binghamton, N. Y. Filed Apr. 9, 1923.

7 C

Particular description of goods.—Photographic Films.
Claims use since Jan. 1, 1908.

Ser. No. 178,958. (CLASS 39. CLOTHING.) EDWIN CRUTCHER, doing business as Golden Arrow Hosiery Mills, Nashville, Tenn. Filed Apr. 11, 1923.

Golden Arrow

Particular description of goods.—Hosiery.
Claims use since April, 1922.

Ser. No. 179,078. (CLASS 16. PAINTS AND PAINTERS' MATERIALS.) EDWARD E. ALLEN MFG. CO., Chicago, Ill. Filed Apr. 13, 1923.

ALLCO

Particular description of goods.—Wood Paste Filler, Oil Colors to be Used in Paint Mixing, Enamel for General Use, Wood Filler, Iron Enamel, Screen Paint, Flat Paint; Varnish Stain for Renewing Old Furniture, Woodwork, Floors, Etc.; Ready-Mixed Paint, an Enamel Which is of Particular Use for Refinishing Automobiles, Store Fronts, Boats, Chairs, Lawn Seats, Etc.; a Dressing in the Nature of a Paint for Mohair and Similar Materials, Especially for Use in Connection with the Under Lining of Automobile Tops, and a Dressing in the Nature of a Paint for Leather and Imitation Leather for Particular Use in Connection with Automobile Tops and Seats.
Claims use since Nov. 30, 1921.

Ser. No. 179,158. (CLASS 39. CLOTHING.) MILLER BROTHERS COMPANY, Chattanooga, Tenn. Filed Apr. 14, 1923.

MENDETTE

The lines shown upon the drawing indicate shading.
Particular description of goods.—Hosiery.
Claims use since Mar. 19, 1923.

Ser. No. 179,166. (CLASS 39. CLOTHING.) FRANK ROBISON, doing business as All Star Hosiery Co., Birmingham, Ala. Filed Apr. 14, 1923.



Particular description of goods.—Silk Hosiery and Knitted or Woven Silk Underwear.
Claims use since Apr. 10, 1923.

Ser. No. 179,186. (CLASS 16. PAINTS AND PAINTERS' MATERIALS.) THE EGYPTIAN LACQUER MANUFACTURING COMPANY, New York, N. Y. Filed Apr. 16, 1923.



Particular description of goods.—Lacquers, Lacquer Thinners, and Lacquer Enamels.
Claims use since July 31, 1919.

Ser. No. 179,239. (CLASS 39. CLOTHING.) THE TEXTILE SHIRT COMPANY, Cincinnati, Ohio. Filed Apr. 16, 1923.

SEALTEX

Particular description of goods.—Men's Dress Shirts and Negligee Shirts.
Claims use since Apr. 2, 1923.

Ser. No. 179,241. (CLASS 48. MALT BEVERAGES, EXTRACTS, AND LIQUORS.) OTTO THOMA, doing business as Columbia Products Company, St. Louis, Mo. Filed Apr. 16, 1923.

COLUMBIA



The picture is purely fanciful.
Particular description of goods.—Malt Extract.
Claims use since about Jan. 1, 1920.

Ser. No. 179,255. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) AMERICAN BLEACHED GOODS COMPANY, INC., New York, N. Y. Filed Apr. 17, 1923.

EMERALD

POPLIN

No claim is made to the word "Poplin" aside from the mark as shown.
Particular description of goods.—Cotton Poplins in the Piece.
Claims use since Mar. 16, 1923.

Ser. No. 179,263. (CLASS 8. SMOKERS' ARTICLES, NOT INCLUDING TOBACCO PRODUCTS.) ALFRED DUNHILL OF LONDON, INC., New York, N. Y. Filed Apr. 17, 1923.

THE WHITE SPOT

Particular description of goods.—Pipes, Cigar and Cigarette Holders, and Tobacco Pouches.
Claims use since July 1, 1916.

Ser. No. 179,267. (CLASS 3. BAGGAGE, HORSE EQUIPMENTS, PORTFOLIOS, AND POCKETBOOKS.) W. W. GLECKNER & SONS CO., Canton, Pa. Filed Apr. 17, 1923.

GLECKNER

Particular description of goods.—Harness, Collars, Saddlery, and Parts Thereof.
Claims use since Sept. 17, 1906.

Ser. No. 179,314. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) NEUBURGER & COMPANY, New York, N. Y. Filed Apr. 18, 1923.

WEE KILTIES

Particular description of goods.—Gingham Piece Goods.
Claims use since Apr. 17, 1923.

Ser. No. 179,354. (CLASS 45. BEVERAGES, NON-ALCOHOLIC.) EDWIN E. CARNEAL, New Orleans, La. Filed Apr. 19, 1923.

ORANGE BEAUTY

Particular description of goods.—Nonalcoholic Maltless Beverage Sold as a Soft Drink.
Claims use since Apr. 1, 1923.

Ser. No. 179,376. (CLASS 39. CLOTHING.) MEIGS & CO. INC., Boston, Mass., and Bridgeport, Conn. Filed Apr. 19, 1923.

DUN-WODIE

Particular description of goods.—Overcoats.
Claims use since Sept. 1, 1922.

Ser. No. 179,414. (CLASS 39. CLOTHING.) THE LOVINGER-SCHWARTZ CO., Cleveland, Ohio. Filed Apr. 20, 1923.

BEAUTY MAID

Particular description of goods.—Ladies' Dresses.
Claims use since Apr. 7, 1923.

Ser. No. 179,463. (CLASS 39. CLOTHING.) THE M. WILBER DYER COMPANY, New York, N. Y. Filed Apr. 21, 1923.

Beautyama

Particular description of goods.—Pyjamas.
Claims use since Feb. 9, 1923.

Ser. No. 179,491. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) O. L. STANARD DRY GOODS CO., Huntington, W. Va. Filed Apr. 21, 1923.

Stangood

Particular description of goods.—Hair Nets.
Claims use since Apr. 10, 1923.

Ser. No. 179,495. (CLASS 26. MEASURING AND SCIENTIFIC APPLIANCES.) TAYLOR INSTRUMENT COMPANIES, Rochester, N. Y. Filed Apr. 21, 1923.

Stormoguide

Particular description of goods.—Barometers.
Claims use since July 15, 1922.

Ser. No. 179,502. (CLASS 39. CLOTHING.) WASHINGTON MANUFACTURING CO., Nashville, Tenn. Filed Apr. 21, 1923.

UNCLE FULLER

Particular description of goods.—Work Shirts and Overalls.
Claims use since 1921.

Ser. No. 179,548. (CLASS 26. MEASURING AND SCIENTIFIC APPLIANCES.) OPTICAL SPECIALTY MANUFACTURING COMPANY, Southbridge, Mass. Filed Apr. 23, 1923.

Aristocrat

Particular description of goods.—Ophthalmic Mountings and Parts Thereof, Such as Bridges, Temples, Etc.
Claims use since 1910.

Ser. No. 179,557. (CLASS 39. CLOTHING.) ROBISCHON CORPORATION, New York, N. Y. Filed Apr. 23, 1923.

HONEYSUCKLE

Particular description of goods.—Hosiery.
Claims use since Sept. 1, 1922.

Ser. No. 179,592. (CLASS 39. CLOTHING.) EQUITY HOSIERY MILLS, New York, N. Y. Filed Apr. 24, 1923.

Equity

Particular description of goods.—Hosiery.
Claims use since February, 1920.

Ser. No. 179,621. (CLASS 26. MEASURING AND SCIENTIFIC APPLIANCES.) THE G. M. PARKS COMPANY, Fitchburg, Mass. Filed Apr. 24, 1923.

PSYCHROSTAT

Particular description of goods.—Humidity Regulators.
Claims use since February, 1916.

Ser. No. 179,623. (CLASS 43. THREAD AND YARN.) ERNEST A. REED, New York, N. Y. Filed Apr. 24, 1923.

JACK FROST

Particular description of goods.—Yarns.
Claims use since Apr. 2, 1923.

Ser. No. 179,632. (CLASS 39. CLOTHING.) THE WEISBAUM BROS.-LEININGER COMPANY, Cincinnati, Ohio. Filed Apr. 24, 1923.

"KING-TUTT"

Particular description of goods.—Neckties.
Claims use since Mar. 1, 1923.

Ser. No. 179,641. (CLASS 5. ADHESIVES.) THE ARABOL MANUFACTURING CO., New York, N. Y. Filed Apr. 25, 1923.

ARASTRIP

Particular description of goods.—Powdered Vegetable Glues.
Claims use since Apr. 2, 1923.

Ser. No. 179,642. (CLASS 5. ADHESIVES.) THE ARABOL MANUFACTURING CO., New York, N. Y. Filed Apr. 25, 1923.

ARATITE

Particular description of goods.—Powdered Vegetable Glues.
Claims use since Apr. 2, 1923.

Ser. No. 179,654. (CLASS 16. PAINTS AND PAINTERS' MATERIALS.) EHEINIG BROTHERS, INC., Hoboken, N. J. Filed Apr. 25, 1923.

Du-All

Particular description of goods.—Varnish.
Claims use since about July 1, 1921.

Ser. No. 179,678. (CLASS 37. PAPER AND STATIONERY.) THE PEERLESS MFG. CO., Norristown, Pa. Filed Apr. 25, 1923.

Walton

No claim made to the illustration of the rolls of paper apart from the mark shown. The shield is lined for shading only. The word "Walton" is lined for blue and the band for red.
Particular description of goods.—Toilet Paper.
Claims use since Feb. 1, 1923.

Ser. No. 179,679. (CLASS 37. PAPER AND STATIONERY.) THE PEERLESS MFG. COMPANY, Norristown, Pa. Filed Apr. 25, 1923.

SOFDOWN

No claim made to the illustration of the rolls of paper apart from the mark shown.
Particular description of goods.—Toilet Paper.
Claims use since Feb. 1, 1923.

Ser. No. 179,688. (CLASS 39. CLOTHING.) ELIZABETH M. THOMAS, doing business as E. M. Thomas Company, St. Louis, Mo. Filed Apr. 25, 1923.

Elizabeth

Particular description of goods.—Ladies' and Misses' Dresses.
Claims use since Mar. 1, 1921.

Ser. No. 179,708. (CLASS 5. ADHESIVES.) CAHILL & MALONE, doing business as Everite Patch Company, Toledo, Ohio. Filed Apr. 26, 1923.

EVERITE

Particular description of goods.—Tire-Repair Compounds, Adhesives for Uniting to Rubber, Leather, Cloth, Etc., Adhesive Cements and Rubber-Mending Cements, Compounds, and Adhesives.
Claims use since Apr. 16, 1923.

Ser. No. 179,844. (CLASS 28. JEWELRY AND PRECIOUS-METAL WARE.) MORRIS A. BARR, Valley Forge, Pa. Filed Apr. 28, 1923.

AND MINERALIZED ROCKS VALLEY FORGE SPRINGS GEMS TRADE MARK FSG REG U.S.A.

The words "Valley Forge," "Springs Gems," "And Mineralized Rocks," and "Trade-Mark Reg. U. S. A." not being claimed apart from the other features of the mark.
Particular description of goods.—Semiprecious Stones.
Claims use since Sept. 1, 1922.

Ser. No. 179,847. (CLASS 3. BAGGAGE, HORSE EQUIPMENTS, PORTFOLIOS, AND POCKETBOOKS.) BLUM & MITTENTHAL, New York, N. Y. Filed Apr. 28, 1923.

Mirrolite

Trade-mark consists of the word "Mirrolite."
Particular description of goods.—Ladies' Hand Bags.
Claims use since Apr. 23, 1923.

Ser. No. 179,890. (CLASS 25. LOCKS AND SAFES.) STEELCRAFT CORPORATION OF AMERICA, Cleveland, Ohio. Filed Apr. 28, 1923.

Seal-joint

Particular description of goods.—Safes.
Claims use since Mar. 1, 1917.

Ser. No. 179,975. (CLASS 28. JEWELRY AND PRECIOUS-METAL WARE.) D. W. THOMAS, INCORPORATED, Seattle, Wash. Filed Apr. 30, 1923.

Shell Garden

Particular description of goods.—Artificial Pearls.
Claims use since June 12, 1922.

Ser. No. 179,984. (CLASS 43. THREAD AND YARN.) BARBOUR FLAX SPINNING CO., Paterson, N. J. Filed May 1, 1923. Under ten-year proviso.

DUNBARTON

Trade-mark consists of the word "Dunbarton."
Particular description of goods.—Hand-Sewing and Machine-Sewing Linen Thread.
Claims use since 1881.

Ser. No. 180,009. (CLASS 15. OILS AND GREASES.) ASBURY B. HUTTON, Philipsburg, Pa. Filed May 1, 1923.

"LEADOLINE"

Particular description of goods.—Grease Compound for Lubricating Purposes.
Claims use since Aug. 24, 1922.

Ser. No. 180,063. (CLASS 33. GLASSWARE.) GIMBEL BROTHERS, INC., New York, N. Y. Filed May 2, 1923.

Particular description of goods.—Table Glassware.
Claims use since about Jan. 2, 1923.

Ser. No. 180,084. (CLASS 26. MEASURING AND SCIENTIFIC APPLIANCES.) A. SCHRADER'S SON, INCORPORATED, Brooklyn, N. Y. Filed May 2, 1923. Under ten-year proviso.

SCHRADER

Particular description of goods.—Fluid-Pressure Gauges, Fluid-Pressure Indicators, Fluid-Pressure Regulators, and Sounding Leads.
Claims use since Feb. 12, 1895.

Ser. No. 180,143. (CLASS 26. MEASURING AND SCIENTIFIC APPLIANCES.) THE SAFE-T-STAT CO., Philadelphia, Pa. Filed May 3, 1923.

SAFE-T-STAT

Particular description of goods.—Thermoelectric Temperature Indicators.
Claims use since Apr. 1, 1923.

Ser. No. 180,171. (CLASS 17. TOBACCO PRODUCTS.) THEODORE FRANK DUTKANYCH, Chicago, Ill. Filed May 4, 1923.

UNKNOWN HERO

Particular description of goods.—Cigars.
Claims use since Nov. 29, 1922.

Ser. No. 180,199. (CLASS 43. THREAD AND YARN.) BERNHARD ULMANN CO. INC., New York, N. Y. Filed May 4, 1923.

MAGIC ICELAND

Particular description of goods.—Yarns for Knitting, Crocheting, and Art Needlework.
Claims use since Apr. 21, 1923.

Ser. No. 180,211. (CLASS 28. JEWELRY AND PRECIOUS-METAL WARE.) EISENSTADT MANUFACTURING COMPANY, St. Louis, Mo. Filed May 5, 1923.

Clasper

Particular description of goods.—Bracelets, Wristlets, Neck Chains, Watch Chains, Tie Clasps, Coat Chains, and Belt Chains.
Claims use since Mar. 16, 1923.

Ser. No. 180,237. (CLASS 43. THREAD AND YARN.) OLD COLONY MANUFACTURING CORPORATION, Taunton, Mass. Filed May 5, 1923.

OCMCO

Particular description of goods.—Cotton Yarns.
Claims use since Nov. 21, 1921.

Ser. No. 180,243. (CLASS 44. DENTAL, MEDICAL, AND SURGICAL APPLIANCES.) A. SCHRADER'S SON, INCORPORATED, Brooklyn, N. Y. Filed May 5, 1923. Under ten-year proviso.

Schrader

Particular description of goods.—Ice Bags and Syringe Fixtures.
Claims use since Feb. 12, 1895.

Ser. No. 180,285. (CLASS 16. PAINTS AND PAINTERS' MATERIALS.) S. JOSEPH & SON CO., Philadelphia, Pa. Filed May 7, 1923.



QUAKER BRAND

The word "Brand" is disclaimed apart from the mark shown.
Particular description of goods.—Ready-Mixed Paints, Varnishes, Fillers, and Shellacs.
Claims use since 1890.

Ser. No. 180,312. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) WARMBIRDS, INC., New York, N. Y. Filed May 7, 1923.

Warmbirds

Particular description of goods.—Woolens and Worsteds in the Piece.
Claims use since Feb. 17, 1923.

Ser. No. 180,332. (CLASS 28. JEWELRY AND PRECIOUS-METAL WARE.) JACK J. FELSENFELD, New York, N. Y. Filed May 8, 1923.

Betsy Ross

Particular description of goods.—Pearls, Real and Artificial.
Claims use since September, 1922.

Ser. No. 180,351. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) WORUMBO MANUFACTURING COMPANY, Bath, Me. Filed May 8, 1923.

LUISANT

Particular description of goods.— Woolen Goods in the Piece.
Claims use since Nov. 18, 1921.

Ser. No. 180,356. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) BE-NEET MANUFACTURING CO., INC., New York, N. Y. Filed May 9, 1923.

TRADE BE-NEET MARK

No claim made to the exclusive use of the words "Trade-Mark" shown in the drawing.
Particular description of goods.—Hair Nets.
Claims use since May 2, 1923.

Ser. No. 180,413. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) LEON BLOCH, New York, N. Y. Filed May 10, 1923.



Particular description of goods.—Handkerchiefs.
Claims use since Jan. 1, 1923.

Ser. No. 180,431. (CLASS 22. GAMES, TOYS, AND SPORTING GOODS.) HILLERICH & BRADSBY CO., INC., Louisville, Ky. Filed May 10, 1923.

Frank Frisch

The name is a facsimile of the signature of Frank Frisch.
Particular description of goods.—Baseball Bats.
Claims use since Sept. 27, 1921.

Ser. No. 180,432. (CLASS 22. GAMES, TOYS, AND SPORTING GOODS.) HILLERICH & BRADSBY CO., INC., Louisville, Ky. Filed May 10, 1923.

Ken Williams

The mark is a facsimile of the signature of Ken Williams.
Particular description of goods.—Baseball Bats.
Claims use since Nov. 2, 1921.

Ser. No. 180,433. (CLASS 22. GAMES, TOYS, AND SPORTING GOODS.) HILLERICH & BRADSBY CO., INC., Louisville, Ky. Filed May 10, 1923.

Reb Russell

The mark is a facsimile of the signature Reb Russell.
Particular description of goods.—Baseball Bats.
Claims use since Dec. 16, 1921.

Ser. No. 180,434. (CLASS 22. GAMES, TOYS, AND SPORTING GOODS.) HILLERICH & BRADSBY CO., INC., Louisville, Ky. Filed May 10, 1923.

Harry E Heilmann

The mark is a facsimile of the signature of Harry E. Heilmann.
Particular description of goods.—Baseball Bats.
Claims use since Sept. 16, 1921.

Ser. No. 180,435. (CLASS 28. JEWELRY AND PRECIOUS-METAL WARE.) HARRY E. KAPLAN, doing business as H. E. Kaplan & Co., Chicago, Ill. Filed May 10, 1923.

Eternal Bliss

Particular description of goods.—Finger Rings.
Claims use since Apr. 25, 1923.

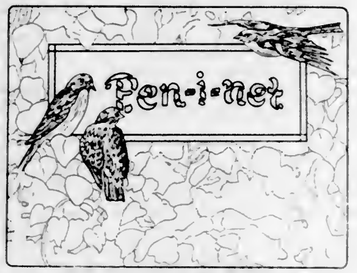
Ser. No. 180,486. (CLASS 10. FERTILIZERS.) NITRATE AGENCIES COMPANY, New York, N. Y. Filed May 11, 1923.

NITRAPO



Particular description of goods.—Fertilizers.
Claims use since 1916.

Ser. No. 180,491. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) J. C. PENNEY COMPANY, Salt Lake City, Utah, and New York, N. Y. Filed May 11, 1923.



Particular description of goods.—Women's Hair Nets.
Claims use since Apr. 24, 1923.

Ser. No. 180,493. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) PRIMROSE DRAPERIES, INC., New York, N. Y. Filed May 11, 1923.

Dolly Prim

Particular description of goods.—Bedspreads.
Claims use since Feb. 8, 1923.

Ser. No. 180,504. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) SOCIÉTÉ RODIER, Paris, France. Filed May 11, 1923.

GRAINÉCLA

Particular description of goods.—Piece goods of Silk, Cotton, and Wool and Mixtures of the Same.
Claims use since Mar. 7, 1923.

Ser. No. 180,506. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) SOCIÉTÉ RODIER, Paris, France. Filed May 11, 1923.

ROUMALVÉOL

Particular description of goods.—Piece Goods of Silk, Cotton, and Wood and Mixtures of the Same.
Claims use since Mar. 7, 1923.

Ser. No. 180,521. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) CHENEY BROTHERS, South Manchester, Conn. Filed May 12, 1923.

Krisalkrepe

Particular description of goods.—Woven, Knitted, Netted, Textile, and Pile Fabrics in the Piece Comprised in Whole or in Part of Silk.
Claims use since May 3, 1923.

Ser. No. 180,533. (CLASS 37. PAPER AND STATIONERY.) FOX RIVER PAPER COMPANY, Appleton, Wis. Filed May 12, 1923.

WALL STREET

Particular description of goods.—Writing Paper.
Claims use since Sept. 20, 1922.

Ser. No. 180,549. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) PENDLE & RIVETT LIMITED, London, England. Filed May 12, 1923.

FINTEX

Particular description of goods.—Cloth and Stuffs of Wool and Worsted.
Claims use since Oct. 25, 1921.

Ser. No. 180,558. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) DAVID SCHWARTZ COMPANY, INC., New York, N. Y. Filed May 12, 1923.

TRI  EFS

Particular description of goods.—Cotton Goods in the Piece.
Claims use since October, 1921.

Ser. No. 180,570. (CLASS 25. LOCKS AND SAFES.) WILLIAMS & ROBECHAUD, Milwaukee, Wis. Filed May 12, 1923.

"BADGER LAPT"

Particular description of goods.—Auto Locks.
Claims use since Apr. 16, 1923.

Ser. No. 180,628. (CLASS 15. OILS AND GREASES.) SMITH OIL & REFINING COMPANY, Rockford, Ill. Filed May 14, 1923.

So'arc

Trade-mark consists of the word "So'Arc."
Particular description of goods.—Lubricating Oils and Greases.
Claims use since January, 1915.

Ser. No. 180,629. (CLASS 15. OILS AND GREASES.) SMITH OIL & REFINING COMPANY, Rockford, Ill. Filed May 14, 1923.

OIL-O-LARD

Trade-mark consists of the hyphenated word "Oil-O-Lard," no exclusive claim being made to the use of the words "Oil" and "Lard" apart from the hyphenated word "Oil-O-Lard."
Particular description of goods.—Cutting Oil.
Claims use since January, 1915.

Ser. No. 180,641. (CLASS 37. PAPER AND STATIONERY.) FRED A. WISH, INCORPORATED, New York, N. Y. Filed May 14, 1923.

UNCLE WIGGILY

Particular description of goods.—Stationery—Namely, Envelopes, Writing Paper, Pads, Drawing Paper and Cardboard, Tissue Paper, Pencils.
Claims use since May 19, 1922.

Ser. No. 180,704. (CLASS 10. FERTILIZERS.) GEORGE C. JONES INCORPORATED, New York, N. Y. Filed May 16, 1923.

VERDURO

Particular description of goods.—Fertilizer.
Claims use since May 3, 1923.

Ser. No. 180,769. (CLASS 16. PAINTS AND PAINTERS' MATERIALS.) BENJAMIN MOORE & CO., Jersey City, N. J., and Brooklyn, N. Y. Filed May 17, 1923.

MOVAR

Particular description of goods.—Varnish for All Interior and Exterior Purposes.
Claims use since March, 1919.

Ser. No. 180,771. (CLASS 3. BAGGAGE, HORSE EQUIPMENTS, PORTFOLIOS, AND POCKETBOOKS.) OSTERWEIL BROS. INC., Newark, N. J. Filed May 17, 1923.

TRIPLE BONDED

Particular description of goods.—Trunks.
Claims use since Mar. 1, 1923.

Ser. No. 180,805. (CLASS 37. PAPER AND STATIONERY.) NOESTING PIN TICKET COMPANY, INCORPORATED, Mount Vernon, N. Y. Filed May 18, 1923.

"DANDY"

Particular description of goods.—Paper Clips.
Claims use since Apr. 14, 1923.

Ser. No. 180,814. (CLASS 16. PAINTS AND PAINTERS' MATERIALS.) SEWALL PAINT & GLASS COMPANY, Kansas City, Mo. Filed May 18, 1923.

COL-O-VAR

Particular description of goods.—Varnishes, Varnish Stain, Enamels, Floor Enamels, Graining Colors, Gold Paint, Silver Paint, Undercoats.
Claims use since Feb. 26, 1915.

Ser. No. 180,815. (CLASS 26. MEASURING AND SCIENTIFIC APPLIANCES.) NOEL SMITH, doing business as Miami Optical Co., Miami, Fla. Filed May 18, 1923.

SMITH

Particular description of goods.—Lenses, Eyeglasses, and Spectacles.
Claims use since July 9, 1920.

Ser. No. 180,832. (CLASS 45. BEVERAGES, NONALCOHOLIC.) BARTOW BEVERAGES, INC., Nashville, Tenn. Filed May 19, 1923.

BEVERLEY CLUB

Particular description of goods.—Ginger Ale.
Claims use since Feb. 24, 1923.

Ser. No. 180,838. (CLASS 37. PAPER AND STATIONERY.) THE J. W. BUTLER PAPER CO., Chicago, Ill. Filed May 19, 1923.

OLD GLORY

Particular description of goods.—Print Paper, Book Paper, Bond Paper, and Writing Paper, Bristol Board, and Cardboard.
Claims use since Mar. 1, 1923.

Ser. No. 180,846. (CLASS 26. MEASURING AND SCIENTIFIC APPLIANCES.) EASTMAN KODAK COMPANY, Rochester, N. Y. Filed May 19, 1923.

KODAMATIC

Particular description of goods.—Photographic Shutters.
Claims use since June 9, 1921.

Ser. No. 181,029. (CLASS 26. MEASURING AND SCIENTIFIC APPLIANCES.) DAVID A. KAFKA, doing business as Midwest Auto Specialty Mfg. Co., St. Paul, Minn. Filed May 23, 1923.

Like Saver

Particular description of goods.—Oil Gauges.
Claims use since Apr. 24, 1923.

Ser. No. 181,051. (CLASS 7. CORDAGE.) ATLANTIC ELEVATOR COMPANY, INC., Philadelphia, Pa. Filed May 24, 1923.

Ataloy

Particular description of goods.—Hoisting Rope and Cable.
Claims use since May 11, 1923.

Ser. No. 181,053. (CLASS 3. BAGGAGE, HORSE EQUIPMENTS, PORTFOLIOS, AND POCKETBOOKS.) G. BERND COMPANY, Macon, Ga. Filed May 24, 1923.



Particular description of goods.—Horse Collars.
Claims use since May 1, 1920.

Ser. No. 181,054. (CLASS 16. PAINTS AND PAINTERS' MATERIALS.) FRANK BOWNES COMPANY, INC., Lynn, Mass. Filed May 24, 1923.

SPAR-O



VARNISH

No claim made to the word "Varnish" apart from the mark as shown in the drawing.
Particular description of goods.—Varnish.
Claims use since May 14, 1923.

Ser. No. 181,062. (CLASS 45. BEVERAGES, NONALCOHOLIC.) WILLIAM P. COURTNEY, doing business as Courtney's Red Top Soda Water Co., Oakland, Calif. Filed May 24, 1923.

YOU'LL LIKE
CREE-MEE
"IT'S KEEN!"

Particular description of goods.—Soda Water.
Claims use since Mar. 2, 1923.

Ser. No. 181,087. (CLASS 15. OILS AND GREASES.) OTIS CHEMICAL COMPANY, (Not Inc.), Chicago, Ill. Filed May 24, 1923.

O-CHEM-OID

Particular description of goods.—Lubricating Compounds and Greases.
Claim use since about Mar. 1, 1923.

Ser. No. 181,104. (CLASS 30. CROCKERY, EARTHENWARE, AND PORCELAIN.) THE ATLAS CHINA COMPANY, Niles, Ohio. Filed May 25, 1923.

GOOD LUCK

Particular description of goods.—Chinaware.
Claims use since Oct. 14, 1922.

TRADE-MARK REGISTRATIONS GRANTED

[ACT OF FEBRUARY 20, 1905.]

JULY 10, 1923.

169,946. DENTAL FLOSS. HARRY C. HOCHSTADTER, Philadelphia, Pa.
Filed January 10, 1923. Serial No. 174,392. PUBLISHED APRIL 10, 1923.

169,947. POLISHING OILS FOR PAINTED, VARNISHED, AND LACQUERED SURFACES, HAVING INCIDENTAL PROPERTIES AS CLEANERS. RICHARD DOUGLAS, doing business as The R. E. D. Mfg. Co., Brooklyn, N. Y.
Filed January 11, 1923. Serial No. 174,429. PUBLISHED APRIL 10, 1923.

169,948. SWIMMING BELT. GUS JORDAHN, Palm Beach, Fla.
Filed January 11, 1923. Serial No. 174,454. PUBLISHED APRIL 10, 1923.

169,949. TOY DOLLS. CORA EWALD, Brooklyn, N. Y.
Filed January 12, 1923. Serial No. 174,515. PUBLISHED APRIL 10, 1923.

169,950. LEAD, OIL, AND ZINC PAINT FOR OUTSIDE AND INSIDE USE. M. J. MERKIN PAINT CO. INC, Long Island City, N. Y.
Filed January 13, 1923. Serial No. 174,583. PUBLISHED APRIL 10, 1923.

169,951. LAUNDRY WASHING MACHINES. THE FAIR, Chicago, Ill.
Filed January 15, 1923. Serial No. 174,614. PUBLISHED APRIL 3, 1923.

169,952. WATCHES, WATCH MOVEMENTS, AND PARTS OF THE SAME. HIPP. DIDISHEIM COMPANY, INC., New York, N. Y.
Filed January 15, 1923. Serial No. 174,618. PUBLISHED APRIL 3, 1923.

169,953. WATCHES, WATCH MOVEMENTS, AND PARTS OF THE SAME. HIPP. DIDISHEIM COMPANY, INC., New York, N. Y.
Filed January 15, 1923. Serial No. 174,620. PUBLISHED APRIL 3, 1923.

169,954. WATCHES, WATCH MOVEMENTS, AND PARTS OF THE SAME. HIPP. DIDISHEIM COMPANY, INC., New York, N. Y.
Filed January 15, 1923. Serial No. 174,622. PUBLISHED APRIL 3, 1923.

169,955. WATCHES, WATCH MOVEMENTS, AND PARTS OF THE SAME. HIPP. DIDISHEIM COMPANY, INC., New York, N. Y.
Filed January 15, 1923. Serial No. 174,623. PUBLISHED APRIL 3, 1923.

169,956. COTTON PIECE GOODS. COHN HALL MARX CO., New York, N. Y.
Filed January 16, 1923. Serial No. 174,655. PUBLISHED APRIL 10, 1923.

169,957. WATCHES, WATCH MOVEMENTS, AND PARTS OF THE SAME. HIPP DIDISHEIM COMPANY, INC., New York, N. Y.
Filed January 15, 1923. Serial No. 174,624. PUBLISHED APRIL 3, 1923.

169,958. WOVEN GRAY, BLEACHED, PRINTED, AND DYED COTTON PIECE GOODS. NEUSS HESSLEIN & Co., INC., New York, N. Y.
Filed January 16, 1923. Serial No. 174,667. PUBLISHED APRIL 10, 1923.

169,959. CIGARETTES. PENN TOBACCO COMPANY, Wilkes-Barre, Pa.
Filed January 17, 1923. Serial No. 174,702. PUBLISHED APRIL 10, 1923.

169,960. DOLLS. INDIA KING STUBBS, Monroe, La.
Filed January 17, 1923. Serial No. 174,707. PUBLISHED APRIL 10, 1923.

169,961. TOY ELECTRIC RAILWAY. THE AMERICAN DISPLAY COMPANY, Dayton, Ohio.
Filed January 18, 1923. Serial No. 174,718. PUBLISHED APRIL 10, 1923.

169,962. TOY ALARM CLOCKS OR WATCHES. SIDNEY C. VINCENT, Baltimore, Md.
Filed January 19, 1923. Serial No. 174,804. PUBLISHED APRIL 10, 1923.

169,963. PILLOWCASES, BOLSTER CASES, BED SHEETS, SHAMS, SCARFS, TABLE COVERS, AND NAPKINS. WASHINGTON EMBROIDERY CO., New York, N. Y.
Filed January 19, 1923. Serial No. 174,805. PUBLISHED APRIL 10, 1923.

169,964. BROOMS. C. N. CRAMER CO., Ashland, Wis.
Filed January 22, 1923. Serial No. 174,891. PUBLISHED APRIL 17, 1923.

169,965. PERIODICAL PUBLICATIONS. BURTON T. SHIELDS, doing business as Shields and Hopkins Company, Indianapolis, Ind.
Filed January 22, 1923. Serial No. 174,927. PUBLISHED APRIL 17, 1923.

169,966. ELECTRIC HEATING APPARATUS. W. WESLEY HICKS, San Francisco, Calif.
Filed January 23, 1923. Serial No. 174,962. PUBLISHED APRIL 3, 1923.

169,967. HOSIERY. GEORGE WILLS AND SONS, LTD., London, England, and San Francisco, Calif.
Filed May 11, 1922. Serial No. 163,722. PUBLISHED APRIL 3, 1923.

169,968. CANDY. WIEGEL CANDY CO., Tacoma, Wash.
Filed May 17, 1922. Serial No. 164,017. PUBLISHED APRIL 10, 1923.

169,969. DOLLS AND DOLL OUTFITS. GEORGENE AVERILL, New York, N. Y.
Filed May 20, 1922. Serial No. 164,144. PUBLISHED APRIL 10, 1923.

169,970. SHOT SHELLS. WESTERN CARTRIDGE COMPANY, East Alton and Springfield, Ill., assignor to Western Cartridge Company, a Corporation of Delaware.
Filed May 22, 1922. Serial No. 164,285. PUBLISHED APRIL 3, 1923.

169,971. FURNITURE POLISH AND AUTOMOBILE POLISH. MANSFIELD CHEMICAL COMPANY, Chicago, Ill.
Filed May 27, 1922. Serial No. 164,600. PUBLISHED APRIL 10 1923.

169,972. CORN SALVE. MARIE L. WILSON, Atlantic City, N. J.
Filed June 9, 1922. Serial No. 165,251. PUBLISHED APRIL 10, 1923.

169,973. YARN. CARROLL D. NEWELL, New York, N. Y.
Filed June 20, 1922. Serial No. 165,756. PUBLISHED JANUARY 9, 1923.

169,974. SOLE-LEATHER SIDES, BACKS, BENDS, STRIPS, BLOCKS, AND LEATHER CUT THEREFROM, AND LEATHER FROM WHICH SOLES AND HEELS ARE CUT. C. G. FLECKENSTEIN COMPANY, Muskegon Heights, Mich.
Filed July 1, 1922. Serial No. 166,362. PUBLISHED APRIL 10, 1923.

169,975. A VOLATILE COMPOUND DERIVED FROM PETROLEUM. GILMORE PETROLEUM COMPANY, Los Angeles, Calif.
Filed July 7, 1922. Serial No. 166,557. PUBLISHED APRIL 10, 1923.

169,976. CANNED VEGETABLES AND SWEET MIXED PICKLES. AMERICAN PICKLE & CANNING CO., Hattiesburg, Miss.
Filed July 10, 1922. Serial No. 166,622. PUBLISHED APRIL 10, 1923.

169,977. DYED ANIMAL SKINS. JOSEPH HOLLANDER, INC., Newark, N. J.
Filed July 11, 1922. Serial No. 166,741. PUBLISHED APRIL 10, 1923.

169,978. LIQUID PREPARATION FOR INTERNAL USE IN THE TREATMENT OF ASTHMA. KYRIAKOS KARAS, Brooklyn, N. Y.
Filed July 13 1922. Serial No. 166,836. PUBLISHED APRIL 10, 1923.

169,979. MEN'S HATS. GIMBEL BROTHERS, INCORPORATED, Philadelphia, Pa.
Filed July 15, 1922. Serial No. 166,944. PUBLISHED APRIL 10, 1923.

169,980. A CERTAIN NAMED POULTRY MEDICINE. THOS. SOUTHARD POULTRY SUPPLY CO., Kansas City, Mo.
Filed July 24, 1922. Serial No. 167,337. PUBLISHED APRIL 10, 1923.

169,981. CANNED FRUITS AND CANNED VEGETABLES. WILLAMETTE VALLEY CANNERIES, INC., Portland, Oreg.
Filed July 26, 1922. Serial No. 167,443. PUBLISHED APRIL 10, 1923.

169,982. DENTAL SUCTION PLATES. CHARLES T. MAGNER, Cleveland, Ohio.
Filed Aug. 3, 1922. Serial No. 167,779. PUBLISHED APRIL 10, 1923.

169,983. VANISHING CREAM AND CLEANSING OR COLD CREAM. THE CHARM-U CO., Chattanooga, Tenn.
Filed August 5, 1922. Serial No. 167,838. PUBLISHED APRIL 10, 1923.

169,984. CERTAIN NAMED MEDICINAL PREPARATIONS. PAUL F. DEFORD, Pasadena, Calif.
Filed August 7, 1922. Serial No. 167,914. PUBLISHED APRIL 10, 1923.

169,985. FUSE PLUGS. WILLIE O. BESAW, Reedley, Calif.
Filed August 8, 1922. Serial No. 167,929. PUBLISHED APRIL 3, 1923.

169,986. REMEDY USED FOR THE TREATMENT OF DISTEMPER IN DOGS. DR. WALTER D. JENSEN, doing business as Bio-Chemic Laboratory, Taylor, Nebr.
Filed August 7, 1922. Serial No. 167,943. PUBLISHED APRIL 10, 1923.

169,987. BREAD. THE CORBY BAKING COMPANY, Washington, D. C.
Filed April 19, 1916. Serial No. 94,532. PUBLISHED APRIL 3, 1923.

169,988. CANDY. CRESCENT CREOLE CANDY CO. INC., New Orleans, La.
Filed March 25, 1920. Serial No. 130,160. PUBLISHED MARCH 6, 1923.

169,989. PIECE GOODS COMPOSED OF AN ADMIXTURE OF WOOL AND COTTON. SAMUEL KIRK & SONS, LIMITED, Bradford, England.
Filed May 5 1920. Serial No. 132,052. PUBLISHED APRIL 3, 1923.

169,990. ASTHMA MEDICINE. The ASTHMA-TOL CO., Greer, S. C.
Filed September 25, 1920. Serial No. 137,598. PUBLISHED DECEMBER 26, 1922.

169,991. SHEETS AND PILLOWCASES. MARSHALL FIELD & COMPANY, Chicago, Ill.
Filed November 27, 1920. Serial No. 140,289. PUBLISHED APRIL 10, 1923.

169,992. CANDY. UNITED RETAIL CANDY STORES, INC., New York, N. Y.
Filed November 27, 1920. Serial No. 140,358. PUBLISHED MARCH 22, 1921.

169,993. LIQUID COMPOUND OF MEXICAN VANILLA BEANS, VANILLIN, AND COUMARIN. L. DEMARTINI SUPPLY COMPANY, San Francisco, Calif.
Filed December 22, 1920. Serial No. 141,417. PUBLISHED NOVEMBER 29, 1921.

169,994. INDUSTRIAL TRUCKS AND TRAILERS. COLBY STEEL AND ENGINEERING CO., Seattle, Wash.
Filed January 26, 1921. Serial No. 142,775. PUBLISHED APRIL 3, 1923.

169,995. REFRIGERATING AND ICE-MAKING APPARATUS. WINTER MACHINE COMPANY, Pawtucket, R. I.
Filed April 7, 1921. Serial No. 145,864. PUBLISHED APRIL 3, 1923.

169,996. BOTTLE CAPS. AMERICAN BOTTLE CAP CO., Seattle, Wash.
Filed August 15, 1921. Serial No. 151,777. PUBLISHED APRIL 3, 1923.

169,997. BRAKE LININGS. UNITED & GLOBE RUBBER COMPANY, Trenton, N. J.
Filed February 28, 1921. Serial No. 144,166. PUBLISHED APRIL 26, 1921.

169,998. LETTERHEADS, ENVELOPES, REPORT BLANKS, BILLHEADS, RECEIPT BOOKS, APPLICATION BLANKS, AND BLANK BOOKS. SUPREME ORIENT O. O. H. & P., Schenectady, N. Y.
Filed April 1, 1921. Serial No. 145,597. PUBLISHED APRIL 3, 1923.

169,999. CERTAIN NAMED TOILET PREPARATIONS. KARLSRUHER PARFUMERIE- & TOILETTESEIFEN-FABRIK, F. WOLFF & SOHN, G. M. B. H., Karlsruhe, Germany.
Filed September 9, 1921. Serial No. 152,758. PUBLISHED APRIL 3, 1923.

170,000. CORDAGE—NAMELY, MANILA, SISAL, AND HEMP ROPE AND TWINE. THE HOOVEN & ALLISON COMPANY, Xenia, Ohio.
Filed October 24, 1921. Serial No. 154,515. PUBLISHED APRIL 3, 1923.

170,001. CANDY. NEW ENGLAND CONFECTIONERY COMPANY, Boston, Mass.
Filed October 31, 1921. Serial No. 154,812. PUBLISHED APRIL 3, 1923.

170,002. CANDY. NEW ENGLAND CONFECTIONERY COMPANY, Boston, Mass.
Filed October 31, 1921. Serial No. 154,815. PUBLISHED APRIL 3, 1923.

170,003. MACHINES FOR CUTTING, PILING, FOLDING, FEEDING, COUNTING, MARKING, SORTING, AND BUNDLING OR WRAPPING PAPER AND OTHER SHEET MATERIAL. THE MAXSON AUTOMATIC MACHINERY COMPANY, Westerly, R. I.
Filed November 26, 1921. Serial No. 155,973. PUBLISHED APRIL 3, 1923.

170,004. WATER-SOFTENING COMPOUND. SIERRA CHEMICAL COMPANY, Los Angeles, Calif.
Filed December 14, 1921. Serial No. 156,721. PUBLISHED MARCH 6, 1923.

170,005. COMPOSITION SOLES FOR FOOTWEAR. ASSIN KONOFF, Toledo, Ohio.
Filed December 17, 1921. Serial No. 156,835. PUBLISHED APRIL 11, 1922.

170,006. CLEAR LIQUID CHEMICAL PREPARATION OF ACID REACTION FOR PREVENTING RUST. AMERICAN CHEMICAL PAINT COMPANY, Philadelphia, Pa.
Filed December 20, 1921. Serial No. 156,955. PUBLISHED APRIL 3, 1923.

170,007. LENSES AND FRAMES FOR EYEGLASSES AND SPECTACLES. BALTIMORE OPTICAL COMPANY, Baltimore, Md.
Filed December 5, 1922. Serial No. 172,929. PUBLISHED APRIL 3, 1923.

170,008. ANTISEPTIC LOTION FOR THE TREATMENT OF THE SCALP AND SKIN. ESTELLE B. FINLAYSON, doing business as Estall Company, New York, N. Y.
Filed December 2, 1922. Serial No. 172,830. PUBLISHED APRIL 3, 1923.

170,009. LOTIONS FOR EXTERNAL APPLICATIONS TO THE BODY. ABRAHAM & STRAUS, INC., New York, N. Y.
Filed December 2, 1922. Serial No. 172,813. PUBLISHED APRIL 3, 1923.

170,010. ROLLERS FOR PRINTING PRESSES, LITHOGRAPHIC PRESSES, HECTOGRAPH MASSES, AND SIMILAR DEVICES. IDEAL ROLLER & MANUFACTURING CO., INC., Chicago, Ill.
Filed November 29, 1922. Serial No. 172,678. PUBLISHED APRIL 3, 1923.

170,011. A CERTAIN NAMED MEDICINE. GEORGE CODE, Boston, Mass.
Filed November 29, 1922. Serial No. 172,663. PUBLISHED APRIL 3, 1923.

170,012. PYORRHEA REMEDY. DAUGHERTY & JACKSON, Seymour, Tex.
Filed November 29, 1922. Serial No. 172,666. PUBLISHED APRIL 3, 1923.

170,013. MIRRORS FOR MOTOR VEHICLES. KALES STAMPING COMPANY, Detroit, Mich.
Filed November 27, 1922. Serial No. 172,597. PUBLISHED APRIL 3, 1923.

170,014. OINTMENTS. ANDREW H. HINKSON, doing business as Shults Ointment Company, Chester, Pa.
Filed November 27, 1922. Serial No. 172,593. PUBLISHED APRIL 3, 1923.

170,015. AWNINGS AND TARPAULINS. INDIANAPOLIS TENT & AWNING COMPANY, Indianapolis, Ind.
Filed November 25, 1922. Serial No. 172,538. PUBLISHED APRIL 3, 1923.

170,016. YARN. WM. H. HORSTMANN COMPANY, Philadelphia, Pa.
Filed November 24, 1922. Serial No. 172,475. PUBLISHED APRIL 3, 1923.

170,017. A CERTAIN NAMED MEDICINAL PREPARATION. WM. C. KING, Scott City, Kans.
Filed November 24, 1922. Serial No. 172,477. PUBLISHED APRIL 3, 1923.

170,018. SCOOPS, SHOVELS, AND STEEL CHUTES. H. B. SACKETT SCREEN & CHUTE COMPANY, Chicago, Ill.
Filed November 23, 1922. Serial No. 172,443. PUBLISHED APRIL 10, 1923.

170,019. A PREPARATION FOR THE HAIR AND SCALP. CATHRINE NICKELS, Philadelphia, Pa.
Filed November 23, 1922. Serial No. 172,431. PUBLISHED MARCH 27, 1923.

170,020. LEATHER GLOVES, GAUNTLETS, AND MITTENS. THE JOSEPH N. EISENDRATH COMPANY, Chicago, Ill.
Filed December 18, 1922. Serial No. 173,476. PUBLISHED APRIL 10, 1923.

170,021. SHOES MADE WHOLLY OR IN PART OF LEATHER. FIEBRICH-FOX-HILKER SHOE COMPANY, Racine, Wis.
Filed December 18, 1922. Serial No. 173,480. PUBLISHED APRIL 3, 1923.

170,022. SUPPORTS FOR TELEPHONE CORDS, ELECTRIC-IRON CORDS, AND THE LIKE. SNAPPY SALES CO., St. Louis, Mo.
Filed December 18, 1922. Serial No. 173,539. PUBLISHED APRIL 3, 1923.

170,023. SHOES MADE WHOLLY OR IN PART OF LEATHER. FIEBRICH-FOX-HILKER SHOE COMPANY, Racine, Wis.
Filed December 18, 1922. Serial No. 173,481. PUBLISHED APRIL 3, 1923.

170,024. TELEPHONE PLUGS. LOUIS DE F. MUNGER, doing business as Four Way Company, Springfield, Mass.
Filed December 19, 1922. Serial No. 173,576. PUBLISHED APRIL 3, 1923.

170,025. DANDRUFF REMOVER. HARRY E. DEL SORDO, Newark, N. J.
Filed December 20, 1922. Serial No. 173,593. PUBLISHED APRIL 10, 1923.

170,026. INTERNAL TREATMENT OF PILES. HAPPY THOUGHT REMEDY CO., Kansas City, Mo.
Filed December 20, 1922. Serial No. 173,596. PUBLISHED APRIL 10, 1923.

170,027. ARTIFICIAL PEARLS. THE HENSHEL CO. INC., New York, N. Y.
Filed December 20, 1922. Serial No. 173,597. PUBLISHED APRIL 3, 1923.

170,028. COLD CREAM, COMPLEXION POWDER, PERFUME, AND TOILET WATER. LADY JANIS PERFUME CO., Chicago, Ill.
Filed December 21, 1922. Serial No 173,652. PUBLISHED APRIL 10, 1923.

170,029. FISHING LINES. NEWTON LINE COMPANY INCORPORATED, Homer, N. Y.
Filed December 21, 1922. Serial No. 173,665. PUBLISHED APRIL 10, 1923.

170,030. FISHING LINES. NEWTON LINE COMPANY INCORPORATED, Homer, N. Y.
Filed December 21, 1922. Serial No. 173,662. PUBLISHED APRIL 10, 1923.

170,031. TONIC FOR USE IN CONNECTION WITH CONVALESCENCE, ANÆMIA, MALNUTRITION OF CHILDREN, SENILE DEBILITY, AND NEURASTHENIA. R. J. STRASENBURGH COMPANY, Rochester, N. Y.
Filed December 21, 1922. Serial No. 173,686. PUBLISHED APRIL 10, 1923.

170,032. MEDICINAL PREPARATION RECOMMENDED FOR THE TREATMENT OF ASTHMA AND DISEASES OF THE RESPIRATORY TRACT. E. BILHUBER, INC., New York, N. Y.
Filed December 22, 1922. Serial No. 173,695. PUBLISHED APRIL 10, 1923.

170,033. MANICURE PREPARATIONS—I. E., CUTICLE REMOVER, NAIL WHITE, NAIL POLISH, NAIL BLEACH, CUTICLE COMFORT, HAND LOTION. GEORGE E. KOBOLT, Chicago, Ill.
Filed December 22, 1922. Serial No. 173,711. PUBLISHED APRIL 10, 1923.

170,034. OINTMENT FOR THE TREATMENT OF PILES, FISTULA, CONSTIPATION, AND ALL KNOWN RECTAL DISORDERS. JOHN C. MACARTHY, doing business as The Ma-Lit-Ta Co., Norwood, Mass.
Filed December 26, 1922. Serial No. 173,840. PUBLISHED APRIL 10, 1923.

170,035. TOOTH PASTE. JOHN W. COVINGTON, Chicago, Ill.
Filed December 26, 1922. Serial No. 173,811. PUBLISHED APRIL 10, 1923.

170,036. CORN PLASTERS. JOHN J. NEWMAN, doing business as J. J. Newman Co., Los Angeles, Calif.
Filed December 26, 1922. Serial No. 173,851. PUBLISHED APRIL 10, 1923.

170,037. CERTAIN ARTICLES OF JEWELRY. DINHOFER BROS. INC., New York, N. Y.
Filed December 28, 1922. Serial No. 173,918. PUBLISHED APRIL 3, 1923.

170,038. COMPOSITIONS FOR EXTERMINATING MOTHS. FARBENFABRIKEN VORM. FRIEDR. BAYER & Co., Leverkusen, near Cologne-on-the-Rhine, Germany.
Filed December 28, 1922. Serial No. 173,925. PUBLISHED APRIL 10, 1923.

170,039. VULCANIZATION ACCELERATORS. FARBENFABRIKEN VORM. FRIEDR. BAYER & Co., Leverkusen, near Cologne-on-the-Rhine, Germany.
Filed December 28, 1922. Serial No. 173,926. PUBLISHED APRIL 10, 1923.

170,040. MALT EXTRACT. R. W. MURRAY & Co., South Boston, Mass.
Filed January 23, 1923. Serial No. 174,970. PUBLISHED APRIL 10, 1923.

170,041. DAILY NEWSPAPER. THE OKLAHOMA PUBLISHING COMPANY, Oklahoma, Okla.
Filed January 23, 1923. Serial No. 174,973. PUBLISHED APRIL 17, 1923.

170,042. SHOVELS, SPADES, AND SCOOPS. AMES SHOVEL & TOOL COMPANY, Jersey City, N. J., and Boston, Mass.
Filed January 24, 1923. Serial No. 174,986. PUBLISHED APRIL 17, 1923.

170,043. PAPER TUBES TO BE USED WITH EXPLOSIVE POWDER IN BLASTING. CLARK PATENT TUBING CO., Wheeling, W. Va.
Filed January 25, 1923. Serial No. 175,069. PUBLISHED APRIL 10, 1923.

170,044. BROAD SILK GOODS IN THE PIECE. LENAPE SILK COMPANY, East Stroudsburg, Pa.
Filed January 25, 1923. Serial No. 175,089. PUBLISHED APRIL 10, 1923.

170,045. DAILY NEWSPAPER. THE OKLAHOMA PUBLISHING COMPANY, Oklahoma, Okla.
Filed January 26, 1923. Serial No. 175,152. PUBLISHED APRIL 17, 1923.

170,046. RUBBER-COMPOSITION FLOOR COVERING. THE HUPP PRODUCTS COMPANY, Columbus, Ohio.
Filed January 27, 1923. Serial No. 175,196. PUBLISHED APRIL 10, 1923.

170,047. READY-MIXED PAINT. PARAMOUNT PAINT & VARNISH CO., Philadelphia, Pa.
Filed January 27, 1923. Serial No. 175,208. PUBLISHED APRIL 10, 1923.

170,048. WHITE PAINT ENAMEL. PARAMOUNT PAINT & VARNISH CO., Philadelphia, Pa.
Filed January 27, 1923. Serial No. 175,209. PUBLISHED APRIL 10, 1923.

170,049. SOFT DRINKS. H. KIRSCH & Co., Brooklyn, N. Y.
Filed February 1, 1923. Serial No. 175,400. PUBLISHED APRIL 17, 1923.

170,050. TRIWEEKLY AND DAILY PUBLICATION. POST-TIME PUBLISHING CO., INC., New York, N. Y.
Filed January 30, 1923. Serial No. 175,323. PUBLISHED APRIL 17, 1923.

170,051. SOFT DRINKS. SOCIETY CLUB BEVERAGE CORPORATION, Newark, N. J.
Filed February 1, 1923. Serial No. 175,411. PUBLISHED APRIL 17, 1923.

170,052. MOPS AND MOPSTICKS. THE BEATON & CADWELL MANUFACTURING COMPANY, New Britain, Conn.
Filed February 9, 1923. Serial No. 175,760. PUBLISHED APRIL 17, 1923.

170,053. KEROSENE. MILLER PETROLEUM COMPANY, Kansas City, Mo.
Filed February 7, 1923. Serial No. 175,673. PUBLISHED APRIL 10, 1923.

170,054. OILCLOTH. JULIUS WILE SONS & Co., New York, N. Y.
Filed February 9, 1923. Serial No. 175,829. PUBLISHED APRIL 3, 1923.

170,055. VARNISHES. REMIEN & KUHNERT CO., Chicago, Ill.
Filed February 10, 1923. Serial No. 175,885. PUBLISHED APRIL 10, 1923.

170,056. CERTAIN NAMED COTTONS AND THREAD. THE AMERICAN THREAD COMPANY, Jersey City, N. J., and New York, N. Y.
Filed February 12, 1923. Serial No. 175,910. PUBLISHED APRIL 10, 1923.

170,057. SILKS, SILK AND COTTON MIXTURES, COTTON GOODS, LINENS, AND DRAPERIES. THE MARBLETEX CO., INC., West Hoboken, N. J., and New York, N. Y.
Filed February 12, 1923. Serial No. 175,938. PUBLISHED APRIL 10, 1923.

170,058. TURPENTINE SUBSTITUTES. THE NEWPORT COMPANY, Carrollville, Wis.
Filed February 12, 1923. Serial No. 175,940. PUBLISHED APRIL 10, 1923.

170,059. CERTAIN NAMED TOILET PREPARATIONS. HUMBERT BIZZONI, New York, N. Y.
Filed November 23, 1922. Serial No. 172,412. PUBLISHED MARCH 27, 1923.

170,060. CERTAIN NAMED CHEMICALS. NEIL E. MORGAN, Ogdensburg, N. Y.
Filed November 22, 1922. Serial No. 172,388. PUBLISHED APRIL 3, 1923.

170,061. OIL LEATHER DYE. BENTON HOLLADAY & Co., New York, N. Y.
Filed November 7, 1922. Serial No. 172,195. PUBLISHED APRIL 3, 1923.

170,062. BRAKE LINING. JOHNS-MANVILLE, INCORPORATED, New York, N. Y.
Filed November 15, 1922. Serial No. 172,046. PUBLISHED APRIL 3, 1923.

170,063. TOILET PACKAGES DESIGNED FOR CONTAINING TOOTH BRUSH, PASTE, AND POWDER. FRANK P. HUDNALL, Manchester, Ohio.
Filed November 15, 1922. Serial No. 172,045. PUBLISHED APRIL 3, 1923.

170,064. MOUTH WASH. HENRY MICHAEL DONAHUE, doing business as Hoyt Apothecaries Co., San Francisco, Calif.
Filed November 13, 1922. Serial No. 171,908. PUBLISHED APRIL 3, 1923.

170,065. A CERTAIN NAMED MEDICINAL PREPARATION. NETTIE-BEALL HINKLE, Shreveport, La.
Filed November 11, 1922. Serial No. 171,844. PUBLISHED MARCH 27, 1923.

170,066. HYDRAULIC HOISTS AND THEIR PARTS. WOOD HYDRAULIC HOIST & BODY COMPANY, Detroit, Mich.
Filed December 23, 1922. Serial No. 173,801. PUBLISHED APRIL 10, 1923.

170,067. A PARLOR BOARD GAME. DISC ALLEY MANUFACTURING COMPANY, Atlanta, Ga.
Filed June 5, 1922. Serial No. 165,010. PUBLISHED APRIL 3, 1923.

170,068. MEN'S AND BOYS' DRESS AND NEGLIGEE SHIRTS. EXCELLO SHIRT CO. INC., New York, N. Y.
Filed June 12, 1922. Serial No. 165,363. PUBLISHED JANUARY 30, 1923.

170,069. FILES. FAYETTE R. PLUMB, INCORPORATED, Philadelphia, Pa.
Filed June 14, 1922. Serial No. 165,504. PUBLISHED APRIL 10, 1923.

170,070. BUTTONS, SHOE ORNAMENTS, BADGES, AND EMBLEMS WHICH ARE MADE WHOLLY OR IN PART OF BASE METAL. HINCKLEY MANUFACTURING CO., Providence, R. I.
Filed June 15, 1922. Serial No. 165,552. PUBLISHED APRIL 3, 1923.

170,071. CRYSTALLIZED SWEET PICKLES IN BOTTLES. LLOYD CURTISS, Newark, N. J., assignor to Service Sales Agency, Newark, N. J., a Corporation of New Jersey.
Filed June 23, 1922. Serial No. 165,913. PUBLISHED MARCH 27, 1923.

170,072. COTTON GOODS IN THE PIECE. NAP. EUSTATHOPOULO & FILS, New York, N. Y.
Filed June 24, 1922. Serial No. 165,990. PUBLISHED APRIL 3, 1923.

170,073. CHILDEN'S UNDERWEAR. WATERVILLE TEXTILE MILLS, INC., Waterville, N. Y.
Filed June 28, 1922. Serial No. 166,210. PUBLISHED DECEMBER 12, 1922.

170,074. A CERTAIN NAMED MEDICINAL PREPARATION. A/S FERROSAN, Copenhagen, Denmark.
Filed June 29, 1922. Serial No. 166,216. PUBLISHED MARCH 20, 1923.

170,075. SALVE AND COUGH DROPS. OWEN V. GALLAGHER, doing business as Mentho Relief Company, Denver, Colo.
Filed June 29, 1922. Serial No. 166,227. PUBLISHED MARCH 27, 1923.

170,076. FERTILIZERS. THE ROGERS & HUBBARD COMPANY, Portland, Conn.
Filed July 10, 1922. Serial No. 166,713. PUBLISHED APRIL 3, 1923.

170,077. PREHEATING TORCHES. WELDIT COMPANY, Washington, D. C.
Filed July 15, 1922. Serial No. 166,965. PUBLISHED APRIL 3, 1923.

170,078. TEA. LAM, GLINES & Co., INC., New York, N. Y.
Filed July 20, 1922. Serial No. 167,137. PUBLISHED APRIL 3, 1923.

170,079. DRY COLOR FOR USE IN RUBBER MANUFACTURING. THE AULT & WIBORG CO., Cincinnati, Ohio.
Filed July 24, 1922. Serial No. 167,285. PUBLISHED APRIL 3, 1923.

170,080. CERTAIN NAMED TOILET PREPARATIONS AND CORN REMEDY. R. WILLIAM HUNTER, doing business as National Chemical Company, Detroit, Mich.
Filed July 28, 1922. Serial No. 167,520. PUBLISHED MARCH 20, 1923.

170,081. CERTAIN NAMED TOILET PREPARATIONS. MARSCHAT IMPORT CO., INC., New York, N. Y.
Filed July 28, 1922. Serial No. 167,530. PUBLISHED APRIL 3, 1923.

170,082. A CERTAIN NAMED MEDICINE. ISRAEL PAUL, doing business as Russpharmaco Products Co., Philadelphia, Pa.
Filed July 28, 1922. Serial No. 167,533. PUBLISHED APRIL 3, 1923.

170,083. TOOTH PASTE, TOOTH CLEANSER, AND A PREPARATION FOR THE TREATMENT OF PYORRHEA. ASA A. HATFIELD, doing business as Med-A-Dent Dental Specialties Company, Danville, Ky.
Filed August 1, 1922. Serial No. 167,676. PUBLISHED APRIL 3, 1923.

170,084. CERTAIN NAMED TOILET PREPARATIONS. ELIZABETH M. MUNSON, doing business as Madame Marlè, San Francisco, Calif.
Filed August 10, 1922. Serial No. 168,057. PUBLISED APRIL 3, 1923.

170,085. LAUNDRY WAX. BRUN MFG. CO., Philadelphia, Pa.
Filed August 14, 1922. Serial No. 168,201. PUBLISHED APRIL 3, 1923.

170,086. CERTAIN NAMED CHEMICALS. MORITZ FAEIBERGER, Charlottenburg, near Berlin, Germany.
Filed August 15, 1922. Serial No. 168,258. PUBLISHED APRIL 3, 1923.

170,087. RUBBER BOOTS AND SHOES. LA CROSSE RUBBER MILLS CO., doing business as Wisconsin Rubber Mills Co., La Crosse, Wis.
Filed October 9, 1922. Serial No. 170,489. PUBLISHED APRIL 3, 1923.

170,088. CHOCOLATES AND CANDIES. E. GREENFIELD'S SONS, New York and Brooklyn, N. Y.
Filed October 6, 1922. Serial No. 170,384. PUBLISHED APRIL 10, 1923.

170,089. CHOCOLATES AND CANDIES. E. GREENFIELD'S SONS, New York and Brooklyn, N. Y.
Filed October 6, 1922. Serial No. 170,383. PUBLISHED APRIL 10, 1923.

170,090. RESISTANCE WIRES OF COPPER, NICKEL, IRON, OR OF COMBINATIONS OR ALLOYS OF THESE METALS. HENRY WIGGIN & COMPANY LIMITED, Parade, Birmingham, England.
Filed October 5, 1922. Serial No. 170,345. PUBLISHED APRIL 17, 1923.

170,091. HOSIERY SUPPORTERS. THE KOMDO NOVELTY CO., Mount Vernon, N. Y.
Filed October 2, 1922. Serial No. 170,201. PUBLISHED APRIL 3, 1923.

170,092. POTATOES IN THEIR NATURAL STATE. CHAS. HECHTMAN, Osseo, Minn.
Filed September 25, 1922. Serial No. 169,902. PUBLISHED APRIL 10, 1923.

170,093. LEATHER, CLOTH, AND FABRIC SHOES AND SLIPPERS AND CLOTH SPATS. RUBIN BROS. FOOT-WEAR, New York, N. Y.
Filed September 22, 1922. Serial No. 169,826. PUBLISHED APRIL 3, 1923.

170,094. SELF-VULCANIZING TIRE PATCH. LAWRENCE A. FINSTICK, doing business as Hi-Way Laboratories, La Porte, Ind.
Filed September 18, 1922. Serial No. 169,582. PUBLISHED APRIL 3, 1923.

170,095. SHOES OF COMBINATIONS OF LEATHER AND RUBBER AND OF RUBBER AND FABRIC. MELVILLE SHOE CORPORATION, New York, N. Y.
Filed September 13, 1922. Serial No. 169,406. PUBLISHED APRIL 10, 1923.

170,096. RUBBER HEELS. THE PEE RUBBER COMPANY, INC., New York, N. Y.
Filed September 12, 1922. Serial No. 169,372. PUBLISHED APRIL 3, 1923.

170,097. HAIR TONIC. WM. H. GROSS CHEMICAL COMPANY, San Antonio, Tex.
Filed September 11, 1922. Serial No. 169,295. PUBLISHED APRIL 10, 1923.

170,098. GAS RANGES, GAS HEATERS, COAL RANGES, COAL HEATERS, AND COMBINATION COAL AND GAS RANGES. A. H. TINNERMAN, doing business as Tinnerman Stove & Range Co., Cleveland, Ohio.
Filed September 9, 1922. Serial No. 169,261. PUBLISHED APRIL 10, 1923.

170,099. FILLING FOR PUDDINGS, PIES, AND LAYER CAKE. WILMOT H. SIMONSON, Medford, Mass.
Filed September 7, 1922. Serial No. 169,186. PUBLISHED APRIL 10, 1923.

170,100. SHEET-METAL BILL SIGNS, ADVERTISING BOARDS, AND PAINTED BOARD SIGNS. GEORGE MINCK, New York, N. Y.
Filed September 6, 1922. Serial No. 169,136. PUBLISHED APRIL 10, 1923.

170,101. RADIO CRYSTALS. THE RADIOLA WIRELESS CORPORATION, New York, N. Y.
Filed August 28, 1922. Serial No. 168,786. PUBLISHED APRIL 3, 1923.

170,102. MALT EXTRACT FOR FOOD PURPOSES. CHICAGO MALT EXTRACT CO., Chicago, Ill.
Filed August 28, 1922. Serial No. 168,754. PUBLISHED APRIL 10, 1923.

170,103. CANNED SALMON. SEA COAST PACKING CO., Seattle, Wash.
Filed August 24, 1922. Serial No. 168,647. PUBLISHED APRIL 10, 1923.

170,104. MEDICINAL PREPARATION IN THE NATURE OF A PURGATIVE AND LIVER MEDICINE. JNO. G. WILLIAMS, Widener, Ark.
Filed August 23, 1922. Serial No. 168,626. PUBLISHED APRIL 10, 1923.

170,105. CANNED RIPE OLIVES. JOHN J. HOEY, Los Angeles, Calif.
Filed August 17, 1922. Serial No. 168,364. PUBLISHED APRIL 10, 1923.

170,106. RECOIL CHECKERS. HAROLD G. CLOYES, Boston, Mass.
Filed August 11, 1922. Serial No. 168,102. PUBLISHED APRIL 10, 1923.

170,107. CIGARS. PEOPLES DRUG STORES, INC., Washington, D. C.
Filed January 9, 1922. Serial No. 157,690. PUBLISHED APRIL 3, 1923.

170,108. DEODORANTS. PAULINE K. HORNSBY, Chicago, Ill.
Filed January 14, 1922. Serial No. 157,923. PUBLISHED APRIL 3, 1923.

170,109. A MAGAZINE PUBLISHED QUARTERLY. CATHOLIC STUDENTS' MISSION CRUSADE, Cincinnati, Ohio.
Filed January 21, 1922. Serial No. 158,224. PUBLISHED JUNE 13, 1922.

170,110. HANDKERCHIEFS. THOMAS B. LAMB, New York, N. Y.
Filed February 9, 1922. Serial No. 159,096. PUBLISHED APRIL 3, 1923.

170,111. GENERAL TONIC. SUDERMANN & CO., New York, N. Y.
Filed February 24, 1922. Serial No. 159,772. PUBLISHED MARCH 20, 1923.

170,112. PAVING GRAVEL. ALLEN GRAVEL COMPANY, Memphis, Tenn.
Filed February 23, 1922. Serial No. 159,676. PUBLISHED APRIL 3, 1923.

170,113. CANDIES. W. F. SCHRAFFT & SONS CORPORATION, Boston, Mass.
Filed February 14, 1922. Serial No. 159,327. PUBLISHED APRIL 3, 1923.

170,114. RECEPTACLES FOR GLOVES, HANDKERCHIEFS, LINGERIE, AND SEWING MATERIALS, MADE OF MATERIALS OTHER THAN PRECIOUS METALS. THE TIN DECORATING COMPANY OF BALTIMORE, Baltimore, Md.
Filed March 3, 1922. Serial No. 160,165. PUBLISHED APRIL 3, 1923.

170,115. RUBBER HEELS. ARMSTRONG CORK COMPANY, Pittsburgh and Lancaster, Pa.
Filed February 27, 1922. Serial No. 159,828. PUBLISHED APRIL 3, 1923.

170,116. BLOTTERS. STANDARD PAPER MANUFACTURING CO., Richmond, Va.
Filed March 25, 1922. Serial No. 161,283. PUBLISHED APRIL 3, 1923.

170,117. MEN'S, WOMEN'S, AND CHILDREN'S OUTER GARMENTS — NAMELY, SUITS, OVERCOATS, RAINCOATS, CLOAKS, CAPES, AND SPORT APPAREL. SHIREK & HIRSCH, New York, N. Y.
Filed April 17, 1922. Serial No. 162,461. PUBLISHED OCTOBER 10, 1922.

170,118. FRESH CANTALOUPES. THOMAS H. PEPPERS, Los Angeles, Calif.
Filed April 26, 1922. Serial No. 162,949. PUBLISHED APRIL 3, 1923.

170,119. ARTIFICIAL REFRIGERATING APPARATUS FOR HOUSEHOLD USE. THE FREEZERATOR CO., Detroit, Mich.
Filed May 8, 1922. Serial No. 163,512. PUBLISHED APRIL 3, 1923.

170,120. EDIBLE ARTICLE OF MANUFACTURE OR SWEETMEAT PREFERABLY COMPOSED OF ICE CREAM AND CAKE INCASED IN A CHOCOLATE COATING. POLAR CAKE CO., Denver, Colo.
Filed May 16, 1922. Serial No. 163,944. PUBLISHED DECEMBER 5, 1922.

170,121. CERTAIN NAMED TOILET PREPARATIONS. DEBORAH A. JONES, New Bedford, Mass.
Filed May 17, 1922. Serial No. 163,991. PUBLISHED MARCH 27, 1923.

170,122. A CERTAIN NAMED CHEMICAL PREPARATION. W. H. METZGER, doing business as W. H. Metzger Company, Bloomington, Ill.
Filed May 20, 1922. Serial No. 164,180. PUBLISHED APRIL 3, 1923.

170,123. LADIES' UNDERWEAR, SPORT HATS, HOSIERY, ALL OF SILK, AND SILK AND COTTON BANDEAUX. WILLIAM M. GRANT & SON, Johnstown, N. Y.
Filed May 19, 1922. Serial No. 164,104. PUBLISHED OCTOBER 10, 1922.

170,124. CHOCOLATE CANDY. ADVANCE CANDY M'F'G CORP., New York, N. Y.
Filed May 24, 1922. Serial No. 164,356. PUBLISHED APRIL 3, 1923.

170,125. MEN'S, WOMEN'S, BOYS', AND CHILDREN'S SHIRTS, COLLARS, PYJAMAS, NIGHTWEAR, AND MEN'S TEXTILE UNDERWEAR. EXCELLO SHIRT CO., INC., New York, N. Y.
Filed May 31, 1922. Serial No. 164,699. PUBLISHED MARCH 20, 1923.

170,126. BUILDING CEMENT AND STUCCO. NATIONAL KELLASTONE CO., Chicago, Ill.
Filed November 4, 1921. Serial No. 155,028. PUBLISHED AUGUST 29, 1922.

170,127. PROPHYLACTIC REMEDY. THE REESE CHEMICAL CO., Cleveland, Ohio.
Filed November 7, 1921. Serial No. 155,122. PUBLISHED APRIL 10, 1923.

170,128. ELECTRIC CONDUIT FITTINGS, EXCLUSIVE OF LIGHTING FIXTURES. LAMAR F. BRUNNER, doing business as Utility Fittings Company, Philadelphia, Pa.
Filed December 6, 1921. Serial No. 156,344. PUBLISHED APRIL 3, 1923.

170,129. RUBBER JAR RINGS. CUPPLES COMPANY MANUFACTURERS, St. Louis, Mo.
Filed January 24, 1922. Serial No. 158,380. PUBLISHED MAY 30, 1922.

170,130. GASOLINE, KEROSENE, NAPHTHA, DISTILLATE, MOTOR OILS, TRANSMISSION OILS, MACHINE OILS, ICE OILS, ROAD OIL, FUEL OIL, AND GAS OIL. GET-GAS SERVICE STATIONS, INC., Springfield, Ill.
Filed January 24, 1922. Serial No. 158,391. PUBLISHED APRIL 10, 1923.

170,131. FIREWORKS. THE NATIONAL FIREWORKS MANUFACTURING COMPANY, Boston and West Hanover, Mass.
Filed February 6, 1922. Serial No. 158,942. PUBLISHED APRIL 10, 1923.

170,132. THREAD AND YARN. N. CHERTOFF, INC., doing business as U. S. Sewing Thread Co., New York, N. Y.
Filed February 10, 1922. Serial No. 159,140. PUBLISHED APRIL 3, 1923.

170,133. BATTERIES. VITALIS PRODUCTS, INCORPORATED, Los Angeles, Calif.
Filed February 23, 1922. Serial No. 159,735. PUBLISHED JUNE 13, 1922.

170,134. DRY PASTES. PENN PASTE MILLING COMPANY, Wilkes-Barre, Pa.
Filed March 6, 1922. Serial No. 160,255. PUBLISHED APRIL 10, 1923.

170,135. A CERTAIN NAMED CHEMICAL. JOHN F. LITTOOY, Boise, Idaho.
Filed March 25, 1922. Serial No. 161,263. PUBLISHED APRIL 10, 1923.

170,136. ROPE. COLUMBIAN ROPE COMPANY, Auburn, N. Y.
Filed April 1, 1922. Serial No. 161,619. PUBLISHED APRIL 10, 1923.

170,137. COOKING AND HEATING APPARATUS. HOLBROOK, MERRILL & STETSON, San Francisco and Los Angeles, Calif.
Filed April 17, 1922. Serial No. 162,400. PUBLISHED APRIL 3, 1923.

170,138. MEN'S AND BOYS' COATS, VESTS, PANTS, AND KNICKERBOCKERS. GOODALL WORSTED CO., Sanford, Me., and New York, N. Y.
Filed April 19, 1922. Serial No. 162,546. PUBLISHED APRIL 10, 1923.

170,139. CHOCOLATE-COATED FUDGE BARS. A. B. MEWHINNEY CO. INC., also doing business as Mewhinney's, Terre Haute, Ind.
Filed April 19, 1922. Serial No. 162,564. PUBLISHED APRIL 10, 1923.

170,140. AUTOMOBILE STEERING-GEAR-CONTROL WHEELS. THE ROLLAWAY MOTOR COMPANY, Toledo, Ohio.
Filed April 24, 1922. Serial No. 162,853. PUBLISHED APRIL 10, 1923.

170,141. DYNAMOS, ELECTROMOTORS AND PARTS THEREOF, ELECTRICAL APPARATUS—VIZ, RHEOSTATS, SHUNT RESISTANCES, STARTING RESISTANCES, ELECTRICAL SWITCH APPARATUS, SWITCHBOARDS, AND TRANSFORMERS. DEUTSCHE ELEKTRIZITÄTS-WERKE ZU AACHEN-GARBE, LAHMEYER & CO.-AKTIENGESELLSCHAFT, Aachen, Germany.
Filed April 27, 1922. Serial No. 162,985. PUBLISHED APRIL 3, 1923.

170,142. MEN'S READY-MADE SUITS AND OVERCOATS. LOUIS SHAPIRO, doing business as Louis Shapiro & Co., Mount Vernon, N. Y.
Filed April 29, 1922. Serial No. 163,117. PUBLISHED APRIL 3, 1923.

170,143. HOSIERY. PLATT'S, Chicago, Ill.
Filed May 1, 1922. Serial No. 163,170. PUBLISHED APRIL 10, 1923.

170,144. CARBON REMOVER. CHARLES T. H. CLIFFORD, doing business as Promo Products Co., Oakland, Calif.
Filed May 8, 1922. Serial No. 163,533. PUBLISHED APRIL 10, 1923.

170,145. CHILDREN'S KNIT UNDERWEAR. J. H. SEMEL & CO., New York, N. Y.
Filed May 10, 1922. Serial No. 163,653. PUBLISHED APRIL 10, 1923.

170,146. WOMEN'S HOSIERY. MARSHALL FIELD & COMPANY, Chicago, Ill.
Filed January 19, 1922. Serial No. 158,115. PUBLISHED APRIL 24, 1923.

170,147. CAST, DRAWN, ROLLED, EXTRUDED, PRESSED, AND MACHINED NONFERROUS METALS AND ALLOYS, AND INGOTS. ANACONDA COPPER MINING COMPANY, New York, N. Y.
Filed May 23, 1922. Serial No. 164,291. PUBLISHED APRIL 3, 1923.

170,148. FIRE-EXTINGUISHING POWDERS. CLAYTON R. MARSTIN, doing business as The Blazeout Company, Boston, Mass.
Filed August 15, 1922. Serial No. 168,272. PUBLISHED APRIL 3, 1923.

170,149. VETERINARY MEDICINE. NORMAN F. TATE, Amarillo, Tex.
Filed August 15, 1922. Serial No. 168,287. PUBLISHED MARCH 20, 1923.

170,150. CANNED FRUITS, CANNED VEGETABLES, DRIED FRUITS, FRUIT PRESERVES IN JARS, AND COMB-EXTRACTED HONEY. PAUL R. WEIDNER, Woburn, Mass.
Filed August 16, 1922. Serial No. 168,343. PUBLISHED APRIL 3, 1923.

170,151. CERTAIN NAMED MEDICINES. DUNCAN CHEMICAL COMPANY, Albany, Ala.
Filed August 21, 1922. Serial No. 168,518. PUBLISHED APRIL 3, 1923.

170,152. AUTOMOBILE BODIES. FISHER BODY CORPORATION, Detroit, Mich.
Filed August 19, 1922. Serial No. 168,464. PUBLISHED APRIL 3, 1923.

170,153. NAILS. THE AMERICAN STEEL AND WIRE COMPANY OF NEW JERSEY, Cleveland, Ohio; Chicago, Ill.; Pittsburgh, Pa.; New York, N. Y.; and Worcester, Mass.
Filed August 23, 1922. Serial No. 168,594. PUBLISHED APRIL 3, 1923.

170,154. DOLLS. KITTIE F. SISCHO, Santa Monica, Calif.
Filed August 24, 1922. Serial No. 168,651. PUBLISHED APRIL 3, 1923.

170,155. CANDIES. MASON, AU & MAGENHEIMER CONFECTIONERY MANUFACTURING COMPANY, Brooklyn, N. Y.
Filed September 1, 1922. Serial No. 168,978. PUBLISHED APRIL 3, 1923.

170,156. HONEY. LAWRENCE R. NOLEN, doing business as The Nolen Apiaries, Kerens, Tex.
Filed September 5, 1922. Serial No. 169,072. PUBLISHED APRIL 3, 1923.

170,157. ICE CREAM. WATSON & AVEN, Little Rock, Ark.
Filed September 11, 1922. Serial No. 169,343. PUBLISHED APRIL 3, 1923.

170,158. PAPRIKA AND SPICES. E. MILTENBERG, INC., New York, N. Y.
Filed September 13, 1922. Serial No. 169,407. PUBLISHED APRIL 3, 1923.

170,159. CUTLERY—VIZ, SCISSORS AND POCKETKNIVES. JULIUS RICHTER, doing business as Globe Import Co., New York, N. Y.
Filed September 15, 1922. Serial No. 169,517. PUBLISHED APRIL 10, 1923.

170,160. CANDIES. ROBERT A. JOHNSTON CO., doing business as Johnston's, Milwaukee, Wis.
Filed September 20, 1922. Serial No. 169,715. PUBLISHED APRIL 3, 1923.

170,161. GAITERS OF LEATHER, FABRIC, AND COMBINATION. FREDERICK H. TIMSON, Boston, Mass.
Filed September 20, 1922. Serial No. 169,731. PUBLISHED APRIL 3, 1923.

170,162. COMBINED CAMERA AND FILM KITS. ANSCO COMPANY, Binghamton, N. Y.
Filed September 22, 1922. Serial No. 169,798. PUBLISHED APRIL 3, 1923.

170,163. LEATHER, CLOTH, AND FABRIC SHOES AND SLIPPERS AND CLOTH SPATS. RUBIN BROS. FOOT-WEAR, New York, N. Y.
Filed September 22, 1922. Serial No. 169,827. PUBLISHED MARCH 6, 1923.

170,164. FLAVORING PREPARATION FOR FOOD PRODUCTS. FRANCIS H. LEGGETT & COMPANY, New York, N. Y.
Filed September 23, 1922. Serial No. 169,559. PUBLISHED APRIL 3, 1923.

170,165. SALVE. HIPPOLYTE E. CAPDAU, New Orleans, La.
Filed September 25, 1922. Serial No. 169,888. PUBLISHED APRIL 3, 1923.

170,166. WOMEN'S BOOTS AND SHOES MADE WHOLLY OR IN PART OF LEATHER AND CLOTH. GLOBE SHOE COMPANY, Chelsea, Mass.
Filed September 25, 1922. Serial No. 169,900. PUBLISHED APRIL 3, 1923.

170,167. SALVES. ALBERT A. GASAWAY, doing business as A. A. Gasaway & Son, St. Joseph, Mo.
Filed September 29 1922. Serial No. 170,062. PUBLISHED MARCH 20, 1923.

170,168. TOOTHBRUSHES. PERCY B. T. WILLIAMS, Philadelphia, Pa.
Filed February 20, 1923. Serial No. 176,390. PUBLISHED APRIL 17, 1923.

170,169. TOOTHBRUSHES. PERCY B. T. WILLIAMS, Philadelphia, Pa.
Filed February 20, 1923. Serial No. 176,389. PUBLISHED APRIL 17, 1923.

170,170. YARNS FOR KNITTING, CROCHETING, AND ART NEEDLEWORK. BERNHARD ULMANN CO. INC., New York, N. Y.
Filed February 20, 1923. Serial No. 176,382. PUBLISHED APRIL 10, 1923.

170,171. YARNS FOR KNITTING, CROCHETING, AND ART NEEDLEWORK. BERNHARD ULMANN CO. INC., New York, N. Y.
Filed February 20, 1923. Serial No. 176,379. PUBLISHED APRIL 10, 1923.

170,172. YARNS FOR KNITTING, CROCHETING, AND ART NEEDLEWORK. BERNHARD ULMANN CO. INC., New York, N. Y.
Filed February 20, 1923. Serial No. 176,375. PUBLISHED APRIL 10, 1923.

170,173. HAIR NETS. AD-PACKED HAIR NET CO., INC., New York, N. Y.
Filed February 19, 1923. Serial No. 176,243. PUBLISHED APRIL 10, 1923.

170,174. HAIR NETS. AD-PACKED HAIR NET CO., INC., New York, N. Y.
Filed February 19, 1923. Serial No. 176,242. PUBLISHED APRIL 10, 1923.

170,175. KEROSENE AND GASOLINE AND LUBRICATING OIL. PETROLEUM EXPORT CORPORATION, Los Angeles, Calif.
Filed February 17, 1923. Serial No. 176,211. PUBLISHED APRIL 10, 1923.

170,176. HAIR NETS. AD-PACKED HAIR NET CO., INC., New York, N. Y.
Filed February 19, 1923. Serial No. 176,240. PUBLISHED APRIL 10, 1923.

170,177. HAIR NETS. AD-PACKED HAIR NET CO., INC., New York, N. Y.
Filed February 19, 1923. Serial No. 176,241. PUBLISHED APRIL 10, 1923.

170,178. GASOLINE, KEROSENE, LUBRICATING OIL, AND GAS OIL. PETROLEUM EXPORT CORPORATION, Los Angeles, Calif.
Filed February 17, 1923. Serial No. 176,210. PUBLISHED APRIL 10, 1923.

170,179. SHOE FABRICS. PETERS MANUFACTURING COMPANY, Boston, Mass.
Filed February 17, 1923. Serial No. 176,209. PUBLISHED APRIL 10, 1923.

170,180. WOODEN PLATES. OVAL WOOD DISH CORPORATION, Tupper Lake, N. Y.
Filed February 17, 1923. Serial No. 176,204. PUBLISHED APRIL 10, 1923.

170,181. NAPHTHA. MILLER PETROLEUM COMPANY, Kansas City, Mo.
Filed February 17, 1923. Serial No. 176,200. PUBLISHED APRIL 10, 1923.

170,182. HANDKERCHIEFS. WESTERN BOTTLE MANUFACTURING COMPANY, also doing business as The Western Company, Chicago, Ill.
Filed February 16, 1923. Serial No. 176,144. PUBLISHED APRIL 10, 1923.

170,183. COTTON PIECE GOODS. CHARLES L. POOR CO., New York, N. Y.
Filed February 14, 1923. Serial No. 176,035. PUBLISHED APRIL 10, 1923.

170,184. COTTON PIECE GOODS. CHARLES L. POOR CO., New York, N. Y.
Filed February 14, 1923. Serial No. 176,038. PUBLISHED APRIL 10, 1923.

170,185. SILK GOODS IN THE PIECE. SALEMBIER & CLAY, INC., New York, N. Y.
Filed February 14, 1923. Serial No. 176,045. PUBLISHED APRIL 10, 1923.

170,186. HANDKERCHIEFS. WESTERN BOTTLE MANUFACTURING COMPANY, also doing business as The Western Company, Chicago, Ill.
Filed February 16, 1923. Serial No. 176,139. PUBLISHED APRIL 10, 1923.

170,187. CIGARS. SALVADOR RODRIGUEZ, New York, N. Y.
Filed March 30, 1923. Serial No. 178,360. PUBLISHED MAY 8, 1923.

170,188. A CERTAIN NAMED MEDICINAL PREPARATION. JACOB W. BEHRENDT, San Francisco, Calif.
Filed December 19, 1922. Serial No. 173,554. PUBLISHED APRIL 3, 1923.

170,189. HEALING SALVE TO RELIEVE SORE AND CALLOUSED FEET. AUGUST MICHEL, Elberta, Ala.
Filed December 18, 1922. Serial No. 173,521. PUBLISHED APRIL 3, 1923.

170,190. CASEMENT-WINDOW ADJUSTERS. MIAMI MANUFACTURING CO., Miami, Fla.
Filed December 18, 1922. Serial No. 173,520. PUBLISHED APRIL 3, 1923.

170,191. ASTRINGENTS AND MILD ANTISEPTICS. H. A. METZ LABORATORIES, INC., New York, N. Y.
Filed December 16, 1922. Serial No. 173,434. PUBLISHED APRIL 3, 1923.

170,192. HAIR DRESSING AND DANDRUFF REMEDY. ALFRED J. KRANK, St. Paul, Minn.
Filed December 16, 1922. Serial No. 173,427. PUBLISHED APRIL 3, 1923.

170,193. HAIR DRESSING AND DANDRUFF REMEDY. ALFRED J. KRANK, St. Paul, Minn.
Filed December 16, 1922. Serial No. 173,428. PUBLISHED APRIL 3, 1923.

170,194. LUMBER. J. H. BURTON & SONS CO. INC., New York, N. Y.
Filed December 16, 1922. Serial No. 173,400. PUBLISHED APRIL 3, 1923.

170,195. TOOTHACHE MEDICINE. BARNARD MANUFACTURING COMPANY, Superior, Nebr.
Filed December 16, 1922. Serial No. 173,394. PUBLISHED APRIL 3, 1923.

170,196. FACE LOTIONS. IMA AULD, Dinuba, Calif.
Filed December 16, 1922. Serial No. 173,393. PUBLISHED APRIL 3, 1923.

170,197. CERTAIN GOLD, PLATINUM, PALLADIUM, AND SILVER METALS AND SOLDER, AND GOLD, PLATINUM, PALLADIUM, AND SILVER ROLLED SHEETS AND PLATES. AMERICAN PLATINUM WORKS, Newark, N. J.
Filed December 16, 1922. Serial No. 173,392. PUBLISHED APRIL 3, 1923.

170,198. WHITE MINERAL OIL FOR MEDICINAL PURPOSES. SHERWOOD PETROLEUM COMPANY, INC., Brooklyn, N. Y.
Filed December 15, 1922. Serial No. 173,369. PUBLISHED APRIL 3, 1923.

170,199. WHITE MINERAL OIL FOR MEDICINAL PURPOSES. SHERWOOD PETROLEUM COMPANY, INC., Brooklyn, N. Y.
Filed December 15, 1922. Serial No. 173,368. PUBLISHED APRIL 3, 1923.

170,200. INSULATING PAPER. THE BARRETT COMPANY, New York, N. Y.
Filed December 15, 1922. Serial No. 173,345. PUBLISHED APRIL 3, 1923.

170,201. CONTAINERS MADE OF WOOD OR METAL FOR MERCHANDISE. FRANCIS X. EBERLE. Los Angeles, Calif.
Filed December 5, 1922. Serial No. 172,936. PUBLISHED APRIL 3, 1923.

170,202. SEWING CASE. BERTIE S. SCHWED, Far Rockaway, N. Y.
Filed December 6, 1922. Serial No. 173,010. PUBLISHED APRIL 3, 1923.

170,203. MOTION PICTURES. CHAPLIN CLASSICS INC., New York, N. Y.
Filed December 8, 1922. Serial No. 173,072. PUBLISHED APRIL 3, 1923.

170,204. PENCILS. H. C. HOBBS, doing business as Fidelity Pencil Company, New York, N. Y.
Filed December 9, 1922. Serial No. 173,132. PUBLISHED MARCH 13, 1923.

170,205. A CERTAIN NAMED MEDICINAL PREPARATION. S. PFEIFFER MFG. CO., St. Louis, Mo.
Filed December 11, 1922. Serial No. 173,207. PUBLISHED MARCH 27, 1923.

170,206. CERTAIN NAMED TOILET PREPARATIONS. N. V. INTERNATIONAL PERFUMERY COMPANY, Amsterdam, Netherlands.
Filed December 13, 1922. Serial No. 173,294. PUBLISHED MARCH 27, 1923.

170,207. PNEUMATIC AND SOLID RUBBER TIRES, TUBES, PATCHES, OUTSIDE TIRE SLEEVES, INSIDE TIRE SLEEVES, RUBBER HOSE, PORTABLE TIRE-VULCANIZING OUTFITS, AND RUBBER GASKETS. STANLEY GLIDDEN CO., INC., Boston, Mass.
Filed August 18, 1919. Serial No. 121,766. PUBLISHED APRIL 10, 1923.

170,208. CERTAIN MILLING MACHINERY. B. F. GUMP CO., Chicago, Ill.
Filed November 17, 1919. Serial No. 124,986. PUBLISHED APRIL 17, 1923.

170,209. PERFORATED MUSIC ROLLS FOR AUTOMATIC PIANOS. JUAN BAUTISTA BLANCAFORT S. EN C., La Garriga, Spain.
Filed December 21, 1920. Serial No. 141,348. PUBLISHED APRIL 3, 1923.

170,210. MEAT PRODUCTS. HYGRADE PROVISION CO., INC., Brooklyn, N. Y.
Filed October 20, 1920. Serial No. 138,568. PUBLISHED APRIL 10, 1923.

170,211. COTTON, SILK, AND WOOLEN PIECE GOODS. LUTZ & ZUELLIG, Manila, P. I.
Filed January 13, 1921. Serial No. 142,219. PUBLISHED APRIL 10, 1923.

170,212. COTTON, SILK, AND WOOLEN PIECE GOODS. LUTZ & ZUELLIG, Manila, P. I.
Filed January 13, 1921. Serial No. 142,220. PUBLISHED APRIL 10, 1923.

170,213. LUBRICANT OR GREASE SPECIALLY ADAPTED FOR USE IN GEAR CASES OF AUTOMOBILES. PITTSBURGH OIL REFINING CORPORATION, Baltimore, Md.
Filed March 7, 1921. Serial No. 144,423. PUBLISHED SEPTEMBER 19, 1922.

170,214. STOCK AND POULTRY TONICS AND CONDITIONERS. PRAIRIE REMEDY CO., Batavia, Ill.
Filed April 19, 1921. Serial No. 146,397. PUBLISHED APRIL 10, 1923.

170,215. ETHEREAL OILS AND ESSENCES FOR DEODORIZING AND PURIFYING THE AIR. PEROLIN FABRIKATIONSGESELLSCHAFT M. B. H., Vienna, Austria.
Filed April 26, 1921. Serial No. 146,780. PUBLISHED APRIL 10, 1923.

170,216. REFRACTORY MATERIALS—NAMELY, FIRE BRICK AND REFRACTORY CEMENT. THE PYRO CLAY PRODUCTS COMPANY, Oak Hill, Ohio.
Filed June 9, 1921. Serial No. 148,891. PUBLISHED JANUARY 24, 1922.

170,217. ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES. PHILIPPS AKTIEN-GESELLSCHAFT, Frankfort-on-the-Main, Germany.
Filed July 12, 1921. Serial No. 150,286. PUBLISHED APRIL 3, 1923.

170,218. ELECTRIC BATTERIES. ENGLERT MANUFACTURING CO., Pittsburgh, Pa.
Filed September 6, 1921. Serial No. 152,609. PUBLISHED APRIL 3, 1923.

170,219. LEATHER BOOTS AND SHOES. GEO. E. KEITH COMPANY, Brockton, Mass.
Filed September 9, 1921. Serial No. 152,760. PUBLISHED APRIL 3, 1923.

170,220. COFFEE. OLD DUTCH MILLS, INC., New York, N. Y.
Filed September 23, 1921. Serial No. 153,256. PUBLISHED DECEMBER 5, 1922.

170,221. VEGETABLE SHORTENING, LARD SUBSTITUTE. JEFFERSON CO. INC., Richmond, Va.
Filed September 30, 1921. Serial No. 153,551. PUBLISHED APRIL 10, 1923.

170,222. HYDRATED LIME. CHARLES WARNER COMPANY, Wilmington, Del.
Filed October 19, 1921. Serial No. 154,344. PUBLISHED APRIL 10, 1923.

170,223. KINDERGARTEN MATERIAL. ERNEST STEIGER, New York, N. Y.
Filed October 29, 1921. Serial No. 154,769. PUBLISHED APRIL 10, 1923.

170,224. VARNISHES, PAINT ENAMELS, AND VARNISH STAINS. MURPHY VARNISH COMPANY, Newark, N. J.
Filed November 3, 1921. Serial No. 154,986. PUBLISHED APRIL 10, 1923.

170,225. OIL BURNERS. DAVID PERRY, Dallas, Tex.
Filed October 22, 1921. Serial No. 154,458. PUBLISHED JANUARY 9, 1923.

170,226. LAUNDRY BAGS. TINGUE, BROWN & CO., New York, N. Y.
Filed January 18, 1923. Serial No. 174,758. PUBLISHED APRIL 3, 1923.

170,227. ASBESTOS BRAKE LINING AND CLUTCH-DISK FACING. ASBESTOS AND ALLIED PRODUCTS CO., New York, N. Y.
Filed January 20, 1923. Serial No. 174,813. PUBLISHED APRIL 3, 1923.

170,228. STEEL RODS. GLOBE WIRE CO., Sharpsburg, Pa.
Filed January 19, 1923. Serial No. 174,772. PUBLISHED APRIL 3, 1923.

170,229. TEXTILE FABRICS CONSISTING OF COTTON PIECE GOODS. W. R. GRACE & CO., New York, N. Y., and San Francisco, Calif.
Filed January 22, 1923. Serial No. 174,898. PUBLISHED APRIL 3, 1923.

170,230. GINGHAMS IN THE PIECE. HENRY GLASS & CO., New York, N. Y.
Filed December 26, 1922. Serial No. 173,820. PUBLISHED APRIL 3, 1923.

170,231. CIGARS, CIGARETTES, AND SMOKING TOBACCO. H. C. IMPORTATION CORPORATION, New York, N. Y.
Filed December 26, 1922. Serial No. 173,857. PUBLISHED APRIL 3, 1923.

170,232. PLATINUM IN ANY COMMERCIAL FORM THAT THE SAME MAY BE MADE AND SOLD AND PLATINUM SOLDER. DINHOFER BROS. INC., New York, N. Y.
Filed December 28, 1922. Serial No. 173,919. PUBLISHED APRIL 3, 1923.

170,233. WOOLEN PIECE GOODS. HAGER, CLARK & Co., New York, N. Y.
Filed December 30, 1922. Serial No. 174,007. PUBLISHED APRIL 3, 1923.

170,234. IMPORTED WOVEN FABRICS. HERMAN BAECHTOLD, doing business as Rochelle Lace Works, New York, N. Y.
Filed December 30, 1922. Serial No. 174,032. PUBLISHED APRIL 3, 1923.

170,235. COTTON PIECE GOODS. LOUIS SIEGBERT & BRO., New York, N. Y.
Filed December 30, 1922. Serial No. 174,037. PUBLISHED APRIL 3, 1923.

170,236. WORSTED PIECE GOODS. W. M. BIGGAR & Co., New York, N. Y.
Filed January 4, 1923. Serial No. 174,165. PUBLISHED APRIL 3, 1923.

170,237. DOUGH DIVIDERS, BUN DIVIDERS, BREAD PROOFERS, PANNING MACHINES, MIXERS, FLAKING ROLLS, AND FOOD CUTTERS USED IN THE PREPARATION AND BAKING OF BREAD AND SIMILAR PRODUCTS. BAKER-PERKINS MANUFACTURING CORPORATION, Saginaw, Mich.
Filed January 6, 1923. Serial No. 174,228. PUBLISHED APRIL 10, 1923.

170,238. QUICK-COMPRESSION BIBS. E. STEBBINS MANUFACTURING COMPANY, Springfield, Mass.
Filed January 6, 1923. Serial No. 174,271. PUBLISHED APRIL 3, 1923.

170,239. SENSITIZED PHOTOGRAPHIC PAPER. REPUBLIC PHOTOGRAPHIC CORPORATION, Ferguson, Mo.
Filed January 8, 1923. Serial No. 174,336. PUBLISHED APRIL 3, 1923.

170,240. CIGARS, CHEROOTS, AND CIGARETTES. CIRILO FERNANDEZ, Milwaukee, Wis.
Filed January 11, 1923. Serial No. 174,432. PUBLISHED APRIL 3, 1923.

170,241. PICKAXES, CROWBARS, WRENCHES, TERCADOS, MATTOCKS. THE COLLINS COMPANY, Collinsville Conn.
Filed January 13, 1923. Serial No. 174,559. PUBLISHED APRIL 3, 1923.

170,242. DIE-CASTING METAL AND DIE CASTINGS. DOEHLER DIE-CASTING CO., Brooklyn, N. Y.
Filed January 13, 1923. Serial No. 174,562. PUBLISHED APRIL 3, 1923.

170,243. APPARATUS FOR INSTALLING AND REMOVING ELECTRIC-LIGHT BULBS, LAMP SOCKETS, LAMP BASES, AND FUSE PLUGS. THE G. C. A. MANUFACTURING COMPANY, Pittsfield, Mass.
Filed January 13, 1923. Serial No. 174,570. PUBLISHED APRIL 3, 1923.

170,244. RUBBER TISSUE APPLIED FOR REENFORCING, STIFFENING, AND WATERPROOFING PARTS OF GARMENTS AND TEXTILE MATERIAL IN GENERAL. EDWARD P. STAHEL & CO., New York, N. Y., assignors to H. Rost & Company, Hamburg, Germany.
Filed January 16, 1923. Serial No. 174,676. PUBLISHED APRIL 10, 1923.

170,245. CRANK-CASE-FLUSHING OIL. THE AMERICAN OIL COMPANY, Baltimore, Md.
Filed November 8, 1922. Serial No. 171,719. PUBLISHED APRIL 3, 1923.

170,246. LUBRICATING OIL AND GREASE. DONALD J. LOWRY, Pasadena, Calif.
Filed November 4, 1922. Serial No. 171,584. PUBLISHED APRIL 3, 1923.

170,247. SUPPURATIVE MEDICINAL POWDER. SHARP & DOHME, Baltimore, Md.
Filed November 4, 1922. Serial No. 171,596. PUBLISHED APRIL 3, 1923.

170,248. CRAYONS, CHALKS, AND PENCILS. THE AMERICAN CRAYON COMPANY, Sandusky, Ohio.
Filed November 1, 1922. Serial No. 171,440. PUBLISHED APRIL 3, 1923.

170,249. ANTISEPTIC AND PROPHYLACTIC TABLETS. SOCIETE ANONYME LA BIOTHERAPIE (SOCIETE ANONYME DE PRODUITS CHIMIQUES BIOLOGIQUES ET D'HYGIENE), Paris, France.
Filed October 27, 1922. Serial No. 171,290. PUBLISHED MARCH 27, 1923.

170,250. LINEN AND COTTON PIECE GOODS. DERRYVALE LINEN CO., INC., New York, N. Y.
Filed October 27, 1922. Serial No. 171,263. PUBLISHED MARCH 6, 1923.

170,251. AGING AND SOFTENING CHEMICAL POWDER FOR LIQUORS. FRED D. BURHOP, doing business as Mell-O Packing Company, Yonkers, N. Y.
Filed October 25, 1922. Serial No. 171,196. PUBLISHED APRIL 3, 1923.

170,252. TOILET PAPER AND PAPER TOWELS. WORTENDYKE MANUFACTURING CO., Richmond, Va.
Filed October 25, 1923. Serial No. 171,192. PUBLISHED APRIL 3, 1923.

170,253. A CERTAIN NAMED MEDICINAL PREPARATION. HENRY C. FITZER, Logansport, Ind.
Filed October 25, 1922. Serial No. 171,160. PUBLISHED MARCH 27, 1923.

170,254. TONIC FOR USE UPON THE SCALP OR SKIN. EMIL D. SCHNEIDER, doing business as Gintone Laboratories, Memphis, Tenn.
Filed October 24, 1922. Serial No. 171,140. PUBLISHED APRIL 3, 1923.

170,255. HOSE, BELTING, AND PACKING MADE WHOLLY OR PARTLY OF RUBBER OR OF A RUBBER COMPOSITION. VOORHEES RUBBER MFG. CO., Jersey City, N. J.
Filed October 20, 1922. Serial No. 171,003. PUBLISHED APRIL 3, 1923.

170,256. A GAME. MAX L. BAOOKS, Brooklyn, N. Y.
Filed October 20 1922. Serial No. 170,967. PUBLISHED APRIL 3, 1923.

170,257. CERTAIN NAMED TOILET PREPARATIONS. EDWARD J. O'CONNOR, doing business as Moon Laboratories, St. Louis, Mo.
Filed October 19, 1922. Serial No. 170,947. PUBLISHED MARCH 20, 1923.

170,258. MIRRORS FOR VEHICLES, WINDSHIELD WINGS, ETC. TRICO PRODUCTS CORPORATION, Buffalo, N. Y.
Filed October 18, 1922. Serial No. 170,910. PUBLISHED APRIL 3, 1923.

170,259. REMEDY FOR CORNS, CALLI, AND WARTS. SAMUEL HOLZMAN, doing business as Tsout Remedy Co., New York, N. Y.
Filed October 17, 1922. Serial No. 170,818. PUBLISHED APRIL 3, 1923.

170,260. CURTAIN BR...KETS. JOEL H. ROGERS, doing business as Rogers Bracket Company, Jacksonville, Fla.
Filed October 14, 1922. Serial No. 170,729. PUBLISHED APRIL 3, 1923.

170,261. COTTON FABRIC IN THE PIECE. MANHASSET MANUFACTURING COMPANY, Providence, R. I.
Filed October 7, 1922. Serial No. 170,440. PUBLISHED APRIL 3, 1923.

170,262. SALAD DRESSING. FREDERICK L. KAYACK, New York, N. Y.
Filed October 7, 1922. Serial No. 170,435. PUBLISHED APRIL 3, 1923.

170,263. PREPARATION FOR CERTAIN NAMED MEDICINAL USES. FRANK H. BRYANT, (doing business as Poe Chemical Company), Troy, N. Y.
Filed October 7, 1922. Serial No. 170,423. PUBLISHED APRIL 3, 1923.

170,264. LIQUID USED IN HEAT-TREATING STEEL. NYPROS STEEL COMPANY, Philadelphia, Pa.
Filed October 6, 1922. Serial No. 170,400. PUBLISHED APRIL 3, 1923.

170,265. WOOD, COAL, GAS, OIL, AND VAPOR STOVES, RANGES, AND FURNACES. THE MINNESOTA STOVE COMPANY, Minneapolis, Minn.
Filed September 26, 1917. Serial No. 106,453. PUBLISHED JULY 4, 1922.

170,266. WRENCHES. THE GELLMAN WRENCH CORPORATION, Chicago, Ill.
Filed January 22, 1923. Serial No. 174,896. PUBLISHED APRIL 17, 1923.

170,267. READY-MIXED AND PASTE PAINTS, VARNISHES, AND PAINT ENAMELS. ENTERPRISE PAINT MFG. CO., Chicago, Ill.
Filed January 20, 1923. Serial No. 174,829. PUBLISHED APRIL 17, 1923.

170,268. READY-MIXED AND PASTE PAINTS, VARNISHES, AND PAINT ENAMELS. ENTERPRISE PAINT MFG. CO., Chicago, Ill.
Filed January 20, 1923. Serial No. 174,827. PUBLISHED APRIL 17, 1923.

170,269. COW-HOOF TRIMMERS. CHARLES KAPPELER, St. Paul, Minn.
Filed January 10, 1923. Serial No. 174,396. PUBLISHED APRIL 17, 1923.

170,270. PISTON RODS. A. L. STOUT & CO., Indianapolis, Ind., and New York, N. Y.
Filed January 8, 1923. Serial No. 174,345. PUBLISHED APRIL 17, 1923.

170,271. DISPLAY STANDS OR EASELS. CHARLES W. LASHER, Jr., doing business as The Art Label Company, Chicago, Ill.
Filed January 6, 1923. Serial No. 174,251. PUBLISHED APRIL 10, 1923.

170,272. WEEKLY PERIODICAL. WALTER REED GENERAL HOSPITAL, Washington, D. C.
Filed January 4, 1923. Serial No. 174,189. PUBLISHED APRIL 17, 1923.

170,273. WRAPPING PAPER. MCLAURIN-JONES CO., Brookfield, Mass.
Filed January 3, 1923. Serial No. 174,147. PUBLISHED APRIL 10, 1923.

170,274. ANTINEURALGICS. FARBENFABRIKEN VORM. FRIEDR. BAYER & CO., Leverkusen, near Cologne-on-the-Rhine, Germany.
Filed December 28, 1922. Serial No. 173,923. PUBLISHED APRIL 10, 1923.

170,275. HÆMOSTATICS. FARBENFABRIKEN VORM. FRIEDR. BAYER & CO., Leverkusen, near Cologne-on-the-Rhine, Germany.
Filed December 28, 1922. Serial No. 173,922. PUBLISHED APRIL 10, 1923.

170,276. PARASITICIDES. FARBENFABRIKEN VORM. FRIEDR. BAYER & CO., Leverkusen, near Cologne-on-the-Rhine, Germany.
Filed December 28, 1922. Serial No. 173,921. PUBLISHED APRIL 10, 1923.

170,277. PARASITICIDES. FARBENFABRIKEN VORM. FRIEDR. BAYER & CO., Leverknsen, near Cologne-on-the-Rhine, Germany.
Filed December 28, 1922. Serial No. 173,920. PUBLISHED APRIL 10, 1923.

170,278. PERFUME, TOILET WATER, ROUGES, FACE POWDER, TALCUM POWDER, BRILLIANTINE, SACHET POWDER, AND DENTIFRICES. E. DALTROFF & CIE., doing business as Parfumerie Caron, Paris, France, assignor to Caron Corporation, a Corporation of New York.
Filed December 28, 1922. Serial No. 173,916. PUBLISHED APRIL 10, 1923.

170,279. CERTAIN NAMED CHEMICALS. SEMET SOLVAY COMPANY, Solvay, N. Y.
Filed December 12, 1922. Serial No. 173,251. PUBLISHED APRIL 10, 1923.

170,280. CANNED FRUITS—NAMELY, FIGS. FOOD PRODUCTS CO., San Francisco, Calif.
Filed December 4, 1922. Serial No. 172,873. PUBLISHED APRIL 17, 1923.

170,281. HORSE-RADISH. RAY J. DIEKEMPER, Terre Haute, Ind.
Filed December 4, 1922. Serial No. 172,867. PUBLISHED APRIL 17, 1923.

170,282. CANNED VEGETABLES, CANNED FISH, MOLASSES, AND FRUIT PRESERVES. JOANNES BROS. CO., Green Bay, Wis.
Filed December 1, 1922. Serial No. 172,745. PUBLISHED APRIL 17, 1923.

170,283. NICKEL-COPPER ALLOYS, UNWROUGHT OR PARTLY WROUGHT. HENRY WIGGIN & COMPANY LIMITED, Parade, Birmingham, England.
Filed November 29, 1922. Serial No. 172,708. PUBLISHED APRIL 17, 1923.

170,284. NICKEL-CHROME-STEEL ALLOY, UNWROUGHT OR PARTLY WROUGHT. HENRY WIGGIN & COMPANY LIMITED, Parade, Birmingham, England.
Filed November 29, 1922. Serial No. 172,709. PUBLISHED APRIL 17, 1923.

170,285. NICKEL-CHROME ALLOY, UNWROUGHT OR PARTLY WROUGHT. HENRY WIGGIN & COMPANY LIMITED, Parade, Birmingham, England.
Filed November 29, 1922. Serial No. 172,706. PUBLISHED APRIL 17, 1923.

170,286. WRITING AND PRINTING PAPER, MAILING ENVELOPES, AND PAPETERIES. BIRNIE PAPER COMPANY, Springfield, Mass.
Filed March 3, 1923. Serial No. 176,877. PUBLISHED APRIL 10, 1923.

170,287. WRITING AND PRINTING PAPER, MAILING ENVELOPES, AND PAPETERIES. BIRNIE PAPER COMPANY, Springfield, Mass.
Filed March 3, 1923. Serial No. 176,876. PUBLISHED APRIL 10, 1923.

170,288. WRITING AND PRINTING PAPER AND MAILING ENVELOPES. CHAPIN & GOULD PAPER COMPANY, Springfield, Mass.
Filed February 16, 1923. Serial No. 176,114. PUBLISHED APRIL 10, 1923.

170,289. SOFT DRINKS. FORST PRODUCTS CO., INC., New Orleans, La.
Filed February 17, 1923. Serial No. 176,172. PUBLISHED APRIL 17, 1923.

170,290. SOFT DRINKS. JAMES ROBERT REYNOLDS, doing business as Soldiers Bonus Products Co., Chicago, Ill.
Filed February 17, 1923. Serial No. 176,217. PUBLISHED APRIL 17, 1923.

170,291. OPHTHALMIC-LENS BLANKS. SUSSFELD, LORSCH & SCHIMMEL, New York, N. Y.
Filed February 28, 1923. Serial No. 176,766. PUBLISHED APRIL 17, 1923.

170,292. OPHTHALMIC LENSES AND BLANKS. SUSSFELD, LORSCH & SCHIMMEL, New York, N. Y.
Filed February 28, 1923. Serial No. 176,767. PUBLISHED APRIL 17, 1923.

170,293. WAGON PAINT, FIBER ROOF PAINT, VARNISH, PAINT ENAMEL, PORCH-FLOOR PAINT, FLAT WALL FINISH, PENETRATING STAIN, AND READY-MIXED PAINTS. PROGRESS PAINT MFG. CO., Louisville, Ky.
Filed February 14, 1923. Serial No. 176,043. PUBLISHED APRIL 17, 1923.

170,294. GRAPE JUICE AND APPLE JUICE. THE PAUL DE LANEY CO. INC., Brocton, N. Y.
Filed February 9, 1923. Serial No. 175,772. PUBLISHED APRIL 17, 1923.

170,295. TOOTHBRUSH CONTAINERS. FREDERICK T. CONLEY, doing business as Symbolox Box Co., South Boston, Mass.
Filed February 9, 1923. Serial No. 175,771. PUBLISHED APRIL 17, 1923.

170,296. LIQUID AND PASTE PAINTS. PITTSBURGH PLATE GLASS COMPANY, Pittsburgh, Pa.
Filed February 3, 1923. Serial No. 175,518. PUBLISHED APRIL 17, 1923.

170,297. WAXED PAPER. THE HIMMER BROTHERS CO., INC., Baltimore, Md.
Filed February 1, 1923. Serial No. 175,394. PUBLISHED APRIL 10, 1923.

170,298. RAZORS. UNION CUTLERY CO., Olean, N. Y.
Filed January 24, 1923. Serial No. 175,033. PUBLISHED APRIL 17, 1923.

170,299. ADHESIVE IN THE FORM OF PASTE. THE COMMERCIAL PASTE CO., Columbus, Ohio.
Filed March 1, 1923. Serial No. 176,788. PUBLISHED APRIL 10, 1923.

170,300. CLOTH MAILING BAGS. MILWAUKEE BAG CO., Milwaukee, Wis.
Filed February 26, 1923. Serial No. 176,638. PUBLISHED APRIL 10, 1923.

170,301. COMPOUND FOR PREVENTING PUNCTURES IN PNEUMATIC TIRES. C. V. CRUMLEY, doing business as Tubetite Manufacturing Company, Tacoma, Wash.
Filed February 26, 1923. Serial No. 176,606. PUBLISHED APRIL 10, 1923.

170,302. PAPER CARTONS. STANDARD PAPER COMPANY, Kalamazoo, Mich.
Filed February 26, 1923. Serial No. 176,659. PUBLISHED APRIL 10, 1923.

170,303. PETROLEUM AND PRODUCTS OF PETROLEUM, WITH OR WITHOUT ADMIXTURES OF OTHER MATERIALS. STANDARD OIL COMPANY OF NEW YORK, New York, N. Y.
Filed February 23, 1923. Serial No. 176,506. PUBLISHED APRIL 10, 1923.

170,304. PORTFOLIOS (BRIEF CASES). NEW PROCESS COMPANY, Warren, Pa.
Filed February 23, 1923. Serial No. 176,496. PUBLISHED APRIL 10, 1923.

170,305. MEN'S SUITCASES. NEW PROCESS COMPANY, Warren, Pa.
Filed February 23, 1923. Serial No. 176,495. PUBLISHED APRIL 10, 1923.

170,306. WOMEN'S SUITCASES. NEW PROCESS COMPANY, Warren, Pa.
Filed February 23, 1923. Serial No. 176,494. PUBLISHED APRIL 10, 1923.

170,307. CIGARETTE PAPER CUT INTO SMALL SHEETS AND MADE INTO CIGARETTE BOOKS. EMMA MARY BENCHLEY, New Malden, England.
Filed February 23, 1923. Serial No. 176,445. PUBLISHED APRIL 10, 1923.

170,308. TOILET PAPER AND PAPER TOWELS. ALBANY PERFORATED WRAPPING PAPER CO., Albany, N. Y.
Filed February 23, 1923. Serial No. 176,437. PUBLISHED APRIL 10, 1923.

170,309. TOOTHBRUSHES. PERCY B. T. WILLIAMS, Philadelphia, Pa.
Filed February 20, 1923. Serial No 176,391. PUBLISHED APRIL 17, 1923.

170,310. COTTON PIECE GOODS. ELY & WALKER DRY GOODS COMPANY, St. Louis, Mo.
Filed February 14, 1923. Serial No. 176,017. PUBLISHED APRIL 10, 1923.

170,311. COTTON FIRE HOSE. WM. & CHAS. BECK, INC., Lawrence, Mass.
Filed January 26, 1923. Serial No. 175,124. PUBLISHED APRIL 3, 1923.

170,312. BELTING MADE OF RUBBER AND FABRIC. NEW YORK BELTING AND PACKING COMPANY, New York, N. Y.
Filed January 30, 1923. Serial No. 175,320. PUBLISHED APRIL 3, 1923.

170,313. BELTING MADE OF RUBBER AND FABRIC. NEW YORK BELTING AND PACKING COMPANY, New York, N. Y.
Filed January 30, 1923. Serial No. 175,322. PUBLISHED APRIL 3, 1923.

170,314. STEEL BARS AND BILLETS. ARTHUR P. SCRIPTURE, New York, N. Y.
Filed January 30, 1923. Serial No. 175,328. PUBLISHED APRIL 3, 1923.

170,315. SILK PIECE GOODS. DUPLAN SILK CORPORATION, New York, N. Y.
Filed February 3, 1923. Serial No. 175,473. PUBLISHED APRIL 3, 1923.

170,316. WOOLEN PIECE GOODS. FORSTMANN & HUFFMANN COMPANY, Passaic, N. J.
Filed February 3, 1923. Serial No. 175,482. PUBLISHED APRIL 3, 1923.

170,317. COTTON GOODS IN THE PIECE. NATHAN & COHEN CO., INC., New York, N. Y.
Filed February 3, 1923. Serial No. 175,509. PUBLISHED APRIL 3, 1923.

170,318. VARNISH. PITTSBURGH PLATE GLASS COMPANY, Pittsburgh, Pa.
Filed February 3, 1923. Serial No. 175,517. PUBLISHED APRIL 3, 1923.

170,319. FURNITURE POLISH. J. ELMER SMITH, doing business as Claresa Chemical Works, Irwin, Pa.
Filed February 3, 1923. Serial No. 175,529. PUBLISHED APRIL 3, 1923.

170,320. BOOK PAPERS. KIMBERLY-CLARK COMPANY, Neenah, Wis.
Filed February 7, 1923. Serial No. 175,662. PUBLISHED APRIL 3, 1923.

170,321. BOOK PAPERS. KIMBERLY-CLARK COMPANY, Neenah, Wis.
Filed February 7, 1923. Serial No. 175,663. PUBLISHED APRIL 3, 1923.

170,322. BOOK PAPERS. KIMBERLY-CLARK COMPANY, Neenah, Wis.
Filed February 7, 1923. Serial No. 175,664. PUBLISHED APRIL 3, 1923.

170,323. PAPER FOR WRITING AND PRINTING PURPOSES, DRAWING PAPER, PENCIL PAPER, ENVELOPES FOR CORRESPONDENCE, WRITING TABLETS, PENCIL TABLETS, DRAWING TABLETS, SPELLING TABLETS, BLANK BOOKS AND PAPETERIES. J. C. BLAIR COMPANY, Huntingdon, Pa.
Filed February 8, 1923. Serial No. 175,706. PUBLISHED APRIL 3, 1923.

170,324. LUBRICANTS PARTICULARLY INTENDED FOR USE IN REFRIGERATING MACHINES. CARBIDE & CARBON CHEMICALS CORPORATION, New York, N. Y.
Filed February 8, 1923. Serial No. 175,710. PUBLISHED APRIL 3, 1923.

170,325. PETROLEUM AND PRODUCTS OF PETROLEUM, WITH OR WITHOUT ADMIXTURES OF OTHER MATERIALS, FOR ILLUMINATING AND HEATING, LUBICATING, GREASING, SOLVENT, WATERPROOFING, RUST PREVENTING, SURFACE PRESERVING, AND TEMPERING. STANDARD OIL COMPANY OF NEW YORK, New York, N. Y.
Filed February 12, 1923. Serial No. 175,959. PUBLISHED APRIL 3, 1923.

170,326. PETROLEUM AND PRODUCTS OF PETROLEUM, WITH OR WITHOUT ADMIXTURES OF OTHER MATERIALS, FOR ILLUMINATING AND HEATING, LUBRICATING, GREASING, SOLVENT, WATERPROOFING, RUST PREVENTING, SURFACE PRESERVING, AND TEMPERING. STANDARD OIL COMPANY OF NEW YORK, New York, N. Y.
Filed February 12, 1923. Serial No. 175,960. PUBLISHED APRIL 3, 1923.

170,327. PETROLEUM AND PRODUCTS OF PETROLEUM, WITH OR WITHOUT ADMIXTURES OF OTHER MATERIALS, FOR ILLUMINATING AND HEATING, LUBRICATING, GREASING, SOLVENT, WATERPROOFING, RUST PREVENTING, SURFACE PRESERVING, AND TEMPERING. STANDARD OIL COMPANY OF NEW YORK, New York, N. Y.
Filed February 12, 1923. Serial No. 175,965. PUBLISHED APRIL 3, 1923.

170,328. PETROLEUM AND PRODUCTS OF PETROLEUM, WITH OR WITHOUT ADMIXTURES OF OTHER MATERIALS, FOR ILLUMINATING AND HEATING, LUBRICATING, GREASING, SOLVENT, WATERPROOFING, RUST PREVENTING, SURFACE PRESERVING, AND TEMPERING. STANDARD OIL COMPANY OF NEW YORK, New York, N. Y.
Filed February 12, 1923. Serial No. 175,968. PUBLISHED APRIL 3, 1923.

170,329. DISPENSING DEVICES FOR PAPER TOWELS, PAPER NAPKINS, OR SIMILAR PRODUCTS. INDEPENDENT PAPER MILLS, INC., Brooklyn, N. Y.
Filed February 17, 1923. Serial No. 176,186. PUBLISHED APRIL 3, 1923.

[ACT OF MARCH 19, 1920, SEC. 1 (b)].

THESE REGISTRATIONS ARE NOT SUBJECT TO OPPOSITION.

170,330. (CLASS 26. MEASURING AND SCIENTIFIC APPLIANCES.) TIFFANY MANUFACTURING COMPANY, Newark, N. J. Filed Dec. 8, 1921. Serial No. 156,472.

TIFFANY

Particular description of goods.—Ammeters.
Claims use since September, 1921.

170,331. (CLASS 4. ABRASIVE, DETERGENT, AND POLISHING MATERIALS.) WESLEY L. SCHOLL, doing business as The Soiloff Company, Eldorado, Kans. Filed June 5, 1922. Serial No. 165,038.

SOILOFF

Particular description of goods.—Soap.
Claims use since Mar. 15, 1922.

170,332. (CLASS 39. CLOTHING.) WALKER STETSON COMPANY, Boston, Mass. Filed Oct. 23, 1922. Serial No. 171,111.

BERKSHIRE

Particular description of goods.—Underwear of Knitted or Textile Fabric, Including Women's and Children's Knit Bloomers and Gloves of Leather or Textile Fabric.
Claims use since 1906.

170,333. (CLASS 37. PAPER AND STATIONERY.) PENINSULAR PAPER COMPANY, Ypsilanti, Mich. Filed Nov. 21, 1922. Serial No. 172,248.

NEAPOLITAN

Particular description of goods.—Cover Paper.
Claims use since July 3, 1913.

170,334. (CLASS 39. CLOTHING.) BOB & BAS KIND, New York, N. Y. Filed Dec. 2, 1922. Serial No. 172,826.

King Quality

Particular description of goods.—Men's and Boys' Work, Sport, and Dress Shirts; Textile Underwear, Playsuits, Boys' Waists and Blouses.
Claims use since March, 1912.

170,335. (CLASS 39. CLOTHING.) THE STANDARD TENT & AWNING COMPANY, Toledo, Ohio. Filed Jan. 22, 1923. Serial No. 174,942.

TOLEDO

Particular description of goods.—Working Pants, Overalls, Jumpers, and Work Shirts.
Claims use since about Nov. 1, 1920.

170,336. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) THE NILES TOOL WORKS COMPANY, New York, N. Y. Filed Feb. 26, 1923. Serial No. 176,644.

NILES

Particular description of goods.—Hydraulic Presses, Axle Lathes, Boring and Turning Mills, Car Wheel Borers, Car-Wheel Lathes, Driving-Wheel Lathes, Engine Lathes; Horizontal Boring, Milling, and Drilling Machines; Wheel Presses, Milling Machines, Multiple Drills, Planing Machines, Quartering Machines, and Tool Equipment Therefor.
Claims use since July 19, 1921.

170,337. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) MARSHALL FIELD & COMPANY, Chicago, Ill. Filed Mar. 23, 1923. Serial No. 177,906.

Kirkwall

Particular description of goods.—Gingham in the Piece.
Claims use since July 21, 1921.

170,338. (CLASS 39. CLOTHING.) BURNHAM, STOEPEL & COMPANY, Detroit, Mich. Filed Apr. 7, 1923. Serial No. 178,711.

Fulkut

Particular description of goods.—Ladies', Men's, and Children's Gowns and Pyjamas.
Claims use since Sept. 1, 1920.

170,339. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) FRED BUTTERFIELD & CO. INC., New York, N. Y. Filed May 10, 1921. Serial No. 147,501.

NORMANDY VOILE

Particular description of goods.—Textile Fabric in the Piece—to wit, Voile.
Claims use since Sept. 1, 1916.

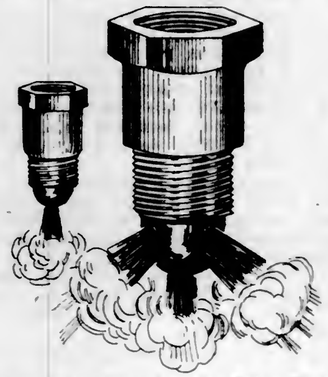
170,340. (CLASS 21. ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES.) THE FLOYD CLYMER MANUFACTURING COMPANY, Denver, Colo. Filed Nov. 25, 1922. Serial No. 172,518.

CLYMER WINDSHIELD SPOTLIGHT

Particular description of goods.—Electric-Lamp Spotlights Adapted to be Mounted in the Windshields of Automobiles.
Claims use since about July 1, 1921.

170,341. (CLASS 21. ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES.) SHAW MFG. CO., Oak Park, Ill. Filed Jan. 6, 1923. Serial No. 174,266.

HOT FIRING TUBE



Particular description of goods.—Spark Plugs.
Claims use since October, 1916.

170,342. (CLASS 21. ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES.) THE THOMAS & BETTS CO., Elizabeth, N. J. Filed Jan. 23, 1923. Serial No. 174,983.

ERICKSON

Particular description of goods.—Couplings for Electrical Conduits.
Claims use since about July 2, 1909.

170,343. (CLASS 24. LAUNDRY APPLIANCES AND MACHINES.) VULCAN MANUFACTURING COMPANY, Kansas City, Mo. Filed Apr. 2, 1923. Serial No. 178,485.

FAULTLESS

Particular description of goods.—Clothes-Washing Machines.
Claims use since Mar. 22, 1920.

170,344. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) POSTEX COTTON MILLS, Post, Tex. Filed Apr. 17, 1923. Serial No. 179,283.

GARZA

Particular description of goods.—Cotton Piece Goods, Pillowcases, and Sheets.
Claims use since July 1, 1914.

170,345. (CLASS 21. ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES.) FAHNESTOCK ELECTRIC CO., Long Island City, N. Y. Filed Apr. 28, 1923. Serial No. 179,861.

FAHNESTOCK

Particular description of goods.—Spring Binding Posts, Telephone Test Connectors, Telegraph Connecting Blocks, Ignition Switches, Spark-Plug Connectors, and Radio Connecting Blocks.
Claims use since 1909.

170,346. (CLASS 21. ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES.) HOWARD D. THOMAS, Seattle, Wash. Filed May 3, 1923. Serial No. 180,154.

THOMAS HORN BUTTON

Particular description of goods.—Electric Switches.
Claims use since July 1, 1921.

170,347. (CLASS 37. PAPER AND STATIONERY.) WHITING PAPER COMPANY, Holyoke, Mass. Filed May 3, 1923. Serial No. 180,160.

MERIT LEDGER

Particular description of goods.—Writing and Printing Paper and Mailing Envelopes.
Claims use since 1913.

170,348. (CLASS 37. PAPER AND STATIONERY.) WHITING PAPER COMPANY, Holyoke, Mass. Filed May 3, 1923. Serial No. 180,159.

Monte Carlo

Particular description of goods.—Writing and Printing Paper and Mailing Envelopes.
Claims use since May, 1919.

170,349. (CLASS 2. RECEPTACLES.) GEORGE X. WENDLING, San Francisco, Calif. Filed Mar. 31, 1923. Serial No. 178,420.

UNITIZED

Particular description of goods.—A Wall Section Consisting of Connected Wood Slats Forming a Closure or Wall for a Box or Crate.
Claims use since July, 1920.

170,350. (CLASS 39. CLOTHING.) LONG'S HAT STORES, New York, N. Y. Filed Mar. 10, 1923. Serial No. 177,232.

THE LONG STORES

Particular description of goods.—Men's Hats.
Claims use since Mar. 31, 1922.

170,351. (CLASS 39. CLOTHING.) LONG'S HAT STORES, New York, N. Y. Filed Mar. 10, 1923. Serial No. 177,231.

LONG
The Custom-Hatter

Particular description of goods.—Men's Hats.
Claims use since Mar. 31, 1922.

170,352. (CLASS 37. PAPER AND STATIONERY.) HAWKES-JACKSON COMPANY, New York, N. Y. Filed Feb. 24, 1923. Serial No. 176,545.

Solidhed

Particular description of goods.—Thumb Tacks, Eyelet Pliers, Eyelets, and Paper Fasteners.
Claims use since August, 1900.

170,353. (CLASS 29. BROOMS, BRUSHES, AND DUSTERS.) PERCY B. T. WILLIAMS, Philadelphia, Pa. Filed Feb. 20, 1923. Serial No. 176,388.

Kreviskleener

Particular description of goods.—Toothbrushes.
Claims use since about Mar. 21, 1921.

170,354. (CLASS 45. BEVERAGES, NONALCOHOLIC.) ANGELO DEMETRULIAS, Johnston City, Ill. Filed July 8, 1922. Serial No. 166,592.

Rumi

Particular description of goods.—Soft Drink.
Claims use since May 1, 1922.

170,355. (CLASS 40. FANCY GOODS, FURNISHINGS, AND NOTIONS.) S. GLEMBY'S SONS CO., INC., New York, N. Y. Filed May 24, 1922. Serial No. 164,430.

Lorraine

Particular description of goods.—Snap Fasteners.
Claims use since May 5, 1922.

170,356. (CLASS 2. RECEPTACLES.) UNION PAPER COMPANY, New York, N. Y. Filed May 16, 1922. Serial No. 163,952.

NU-LOK

Particular description of goods.—Paper Cans
Claims use since May 12, 1922.

170,357. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) THE JOHN P. KING MANUFACTURING CO., Augusta, Ga. Filed May 15, 1922. Serial No. 163,878.

THE JOHN P. KING MF'G. Co.
SHEETINGS
A

Particular description of goods.—Cotton Piece Goods.
Claims use since Mar. 15, 1921.

170,358. (CLASS 5. ADHESIVES.) JOSEPH J. McBRIDE, doing business as the Shoor-Patch Rubber Company, Philadelphia, Pa. Filed May 13, 1922. Serial No. 163,818.

Shoor patch

Particular description of goods.—A Preparation of Pure Rubber in Plastic Form for Repairing Automobile Tires, Inner Tubes, and Rubber Goods.
Claims use since May 1, 1922.

170,359. (CLASS 39. CLOTHING.) PAULDING SMITH, Philadelphia, Pa. Filed Jan. 16, 1922. Serial No. 158,010.

Dinger

Particular description of goods.—Leather Heel Protectors.
Claims use since Jan. 6, 1922.

170,360. (CLASS 39. CLOTHING.) HIRSHFIELD SKIRT CO., St. Louis, Mo. Filed Oct. 17, 1921. Serial No. 154,188.

LasseKilt

Particular description of goods.—Outer Skirts for Girls.
Claims use since Sept. 1, 1921.

170,361. (CLASS 26. MEASURING AND SCIENTIFIC APPLIANCES.) CLARENCE E. ARUNDEL, San Francisco, Calif. Filed Dec. 22, 1920. Serial No. 141,410.

Arundel

Particular description of goods.—Navigational Apparatus Consisting of Ship's-Course Indicators, Ship's-Course Recorders, Compasses, Automatic Steering Compasses, Sounding Machines, Sextants, Peloruses.
Claims use since September, 1920.

TRADE-MARK REGISTRATIONS RENEWED.

17,784. A TONIC AND GENERAL STIMULANT. Registered April 15, 1890. MELLIER DRUG COMPANY, St. Louis, Mo. Renewed April 15, 1920.

18,578. A PREPARATION FOR WHITENING AND COLORING BUCKSKIN LEATHER. Registered November 4, 1890. JOSEPH PICKERING & SONS. Renewed November 4, 1920, to Joseph Pickering & Sons, Limited, Sheffield, England, assignee.

19,470. DRIVING BELTS. Registered May 12, 1891. ROSSENDALE BELTING COMPANY. Renewed May 12, 1921, to Rossendale-Reddaway Belting & Hose Company, Newark, N. J., a Corporation of New Jersey, successors.

21,903. WASHING BLUE. Registered November 1, 1892. PATRICK DIAMOND, Philadelphia, Pa. Renewed November 1, 1922.

22,658. BABBITT METAL AND ANTIFRICTION JOURNAL BEARINGS. Registered March 14, 1893. THEODORE HIERTZ & SON. Renewed March 14, 1923, to Theodore Hiertz Metal Co., St. Louis, Mo., a Corporation of Missouri, successor.

22,778. CARBONATED BEVERAGES. Registered April 11, 1893. HIRAM WHEATON & SONS. Renewed April 11, 1923, to Hiram Wheaton & Sons, Inc., New Bedford, Mass., a Corporation of Massachusetts, assignee.

23,017. GLOVES. Registered May 16, 1893. FOWNES BROTHERS & Co., London, England. Renewed May 16, 1923, to Fownes Brothers & Co. Inc., New York, N. Y., assignee.

23,103. WIRE ROPE AND CHAIN. Registered May 23, 1893. GEORGE CRADOCK & Co. Renewed May 23, 1923, to George Cradock & Co. Ltd., Wakefield, England, assignee.

23,474. COOKING, HEATING, AND GAS STOVES. Registered August 8, 1893. FRANK A. KLAINE. Renewed August 8, 1923, to The F. A. Klaine Company, Cincinnati, Ohio, a Corporation of Ohio, assignee.

23,776. COTTON-SEED OILS FOR MECHANICAL AND FOR FOOD PURPOSES. Registered October 31, 1893. THE AMERICAN COTTON OIL COMPANY, New York, N. Y. Renewed October 31, 1923.

23,782. PLAYING CARDS. Registered November 7, 1893. THE UNITED STATES PRINTING COMPANY. Renewed November 7, 1923, to The United States Playing Card Company, Cincinnati, Ohio, a Corporation of Ohio, assignee.

23,791. MALT EXTRACT AND OTHER FOOD FOR INFANTS AND INVALIDS. Registered November 7, 1893. HORLICKS FOOD COMPANY. Renewed November 7, 1923, to Horlick's Malted Milk Company, Racine, Wis., a Corporation of Wisconsin, assignee.

23,794. A TONIC COMPOUND. Registered November 7, 1893. THE PURDUE FREDERICK COMPANY, New York, N. Y. Renewed November 7, 1923.

23,873. MINERAL WATER, GINGER ALE, PHOSPHATE, OZONATE, AND CARBONATED BEVERAGES. Registered November 28, 1893. WHITE ROCK MINERAL SPRING COMPANY. Renewed November 28, 1923, to White Rock Mineral Springs Company, Waukesha, Wis., assignee.

LABELS

REGISTERED JULY 10, 1923.

26,161.—*Title:* ROMOLO. For Macaroni. ROMEO C. AIELLO, Brooklyn, N. Y. Published May 26, 1923.

26,162.—*Title:* SWEETHOME CHOCOLATES. For Chocolates. APEX CHOCOLATE COMPANY, doing business as Belle Rose Chocolates Co., Cambridge, Mass. Published March 16, 1923.

26,163.—*Title:* THE MYSTIC FINGER. For a Toy. BLOCK-WALSH Corporation, New York, N. Y. Published April 2, 1923.

26,164.—*Title:* BURGESS 'A' BATTERY. For Electric Batteries. BURGESS BATTERY COMPANY, Madison, Wis. Published May 10, 1923.

26,165.—*Title:* LYDIA DARRAH. For Candy. LYDIA DARRAH CANDY SHOPS, INC., Minneapolis, Minn. Published March 24, 1923.

26,166.—*Title:* FORTUNE SHELLS. For Macaroni. FORTUNE PRODUCTS COMPANY, Chicago, Ill. Published January 13, 1923.

26,167.—*Title:* SUNFLOWER. For Roofing. FOSTER LUMBER COMPANY, Kansas City, Mo. Published June 1, 1923.

26,168.—*Title:* HAIR NET. For Hair Nets. THEO. H. GABY CO., New York, N. Y. Published March 19, 1923.

26,169.—*Title:* GLYNCO BRAND SHRIMP. For Canned Shrimp. GLYNN CANNING COMPANY, Brunswick, Ga. Published May 25, 1923.

26,170.—*Title:* DON JULIAN TAMPA WHIFFS. For Cans and Boxes Containing Cigars. GRADIAZ, ANNIS & Co., Tampa, Fla. Published December 31, 1922.

26,171.—*Title:* MELLO-FREEZE. For a Preparation for Use in Improving Ice Cream and in Conditioning the Ice Cream Mix. B. HELLER & COMPANY, Chicago, Ill. Published May 14, 1923.

26,172.—*Title:* HELLER'S FANCY-PASTRY DESSERT POWDER. For a Preparation for Use in Making Desserts. B. HELLER & COMPANY, Chicago, Ill. Published May 12, 1923.

26,173.—*Title:* HOYE'S SPARKLING WHISKO. For Beverages. STEPHEN M. HOYE, doing business as Holly Products Co., Brooklyn, N. Y. Published June 5, 1923.

26,174.—*Title:* INTERLAKE. For Toilet Paper. INTERLAKE TISSUE MILLS Co. LTD., Merritton, Ontario, Canada. Published April 2, 1923.

26,175.—*Title:* BLUE BIRD. For Toilet Paper. INTERLAKE TISSUE MILLS Co. LTD., Merritton, Ontario, Canada. Published April 2, 1923.

26,176.—*Title:* WHITE CROSS. For Toilet Paper. INTERLAKE TISSUE MILLS Co. LTD., Merritton, Ontario, Canada. Published April 2, 1923.

26,177.—*Title:* COPLEY, THE MEN'S STORE OF NEW ENGLAND, A SEPARATE STORE IN A SEPARATE BUILDING. For Men's Stockings and Socks. JORDAN MARSH COMPANY, Boston, Mass. Published January 1, 1923.

26,178.—*Title:* COPLEY, THE MEN'S STORE OF NEW ENGLAND, A SEPARATE STORE IN A SEPARATE BUILDING. For Men's Vests. JORDAN MARSH COMPANY, Boston, Mass. Published January 1, 1923.

26,179.—*Title:* COPLEY, THE MEN'S STORE OF NEW ENGLAND, A SEPARATE STORE IN A SEPARATE BUILDING. For Men's Sweaters. JORDAN MARSH COMPANY, Boston, Mass. Published January 1, 1923.

26,180.—*Title:* BUNNY CLEANER. For a Water Softener and Washing Powder. MARTIN LUTHER KEAGY, doing business as Lion Chemical Laboratories, Canton, Ohio. Published May 1, 1923.

26,181.—*Title:* I-S. For Bread. SAMUEL E. LOVELESS, Chicago, Ill. Published February 15, 1923.

26,182.—*Title:* KELP IODIZED WATER. For Medical Preparation. HERBERT A. MORRISS, doing business as Kelp Water Company, Minneapolis, Minn. Published December 1, 1922.

26,183.—*Title:* 3 CELL EVEREADY FLASHLIGHT BATTERY. For Electric Batteries. NATIONAL CARBON COMPANY, INC., New York, N. Y. Published April 1, 1923.

26,184.—*Title:* DANCE SERIES NO. 1. For Talking-Machine Sound Records. NATIONAL MUSIC LOVERS, INC., New York, N. Y. Published May 7, 1923.

26,185.—*Title:* THE VARIETY BOX. For Candy. NORRIS INC., Atlanta, Ga. Published August 24, 1922.

26,186.—*Title:* THE BEST TONIC. For General Medicinal Tonic. PABST CORPORATION, Milwaukee, Wis. Published June 6, 1923.

26,187.—*Title:* PABST MALT SYRUP. For Malt Sirup. PABST CORPORATION, Milwaukee, Wis. Published March 30, 1923.

26,188.—*Title:* ARTESIA. For Table Water. PABST CORPORATION, Milwaukee, Wis. Published June 1, 1923.

26,189.—*Title:* THE BEST NIPPLE. For Pipe Nipples. FRED PABST COMPANY, Milwaukee, Wis. Published May 4, 1923.

26,190.—*Title:* DAYLY BREAD. For Bread. PACKAGE PAPER & SUPPLY CORPORATION, Springfield, Mass. Published February 21, 1923.

26,191.—*Title:* RAWLEIGH'S GOOD HEALTH TALCUM. For Talcum. THE W. T. RAWLEIGH COMPANY, Freeport, Ill. Published May 11, 1923.

26,192.—*Title:* OXIDENE. For Powder for Malodorous, Galled, Calloused, Cracked, or Sore Feet, Body-Perspiration Odors, Sunburn, and Prickly Heat. REALNEED PRODUCTS CO., Harrisburg, Pa. Published December 16, 1923.

26,193.—*Title:* RECKORD BRAND TOMATOES. For Cans Containing Tomatoes. RECKORD BROS., Bel Air, Md. Published May 22, 1923.

26,194.—*Title:* SUSQUEHANNA BRAND TOMATOES. For Cans Containing Tomatoes. RECKORD BROS., Bel Air, Md. Published May 22, 1923.

26,195.—*Title:* MUH-JUHNG, THE GREAT CHINESE GAME. For Game Devices for Playing the Said Chinese Game. THE REGENSTEINER CORPORATION, Chicago, Ill. Published May 26, 1923.

26,196.—*Title:* REYNOLDS' RELIANCE. For Coffee. WM. T. REYNOLDS & CO. INC., Poughkeepsie, N. Y. Published March 1, 1923.

26,197.—*Title:* RICH'S BEST. For Rolled Oats. RICH BROTHERS CEREAL COMPANY, Cedar Rapids, Iowa. Published November 15, 1922.

26,198.—*Title:* PENELA. For Hair Nets. THE RIESER COMPANY, New York, N. Y. Published May 29, 1920.

26,199.—*Title:* ROVINA. For Hair Nets. THE RIESER COMPANY, New York, N. Y. Published May 29, 1920.

26,200.—*Title:* BETTER BERRIES GROWN IN SANTA MARGARITA VALLEY GARDENS. For Fresh Berries. SANTA MARGARITA VALLEY GARDENS ASSOCIATION, Atascadero, Calif. Published May 4, 1923.

26,201.—*Title:* SHARP'S SUPER-KREEM TOFFEE. For Toffee.) EDWARD SHARP & SONS LTD., Maidstone, England. Published November 1, 1922.

26,202.—*Title:* SUN-MAID RAISINUT CHOCOLATES. For Boxes Containing Chocolates. SUN-MAID RAISIN GROWERS, Fresno, Calif. Published April 10, 1922.

26,203.—*Title:* SUN-MAID RAISINUT CHOCOLATES. For Boxes Containing Chocolates. SUN-MAID RAISIN GROWERS, Fresno, Calif. Published May 11, 1922.

26,204.—*Title:* SUN-MAID RAISINUT CHOCOLATES. For Boxes Containing Chocolates. SUN-MAID RAISIN GROWERS, Fresno, Calif. Published May 2, 1922.

26,205.—*Title:* DR. A. PETERS' TUBEROSUM PYORRHEA REMEDY. For Bottles Containing the Liquid. THE TUBEROSUM PYORRHEA CO., Broken Bow, Okla. Published January 1, 1923.

26,206.—*Title:* TUT. For Nonalcoholic Beverages. MABEL E. VAUGHAN, doing business as TuT Manufacturing Company, Birmingham, Mich. Published May 20, 1923.

26,207.—*Title:* WALDES TRUSTY. For Cards Containing Snap Fasteners. WALDES & COMPANY, INC., Long Island City, N. Y. Published May 1, 1923.

26,208.—*Title:* PERSONALITY LINEN. For Boxes Containing Stationery. WESTERN TABLET AND STATIONERY COMPANY, St. Joseph, Mo. Published January 10, 1923.

26,209.—*Title:* TENDER CRUST. For Bread. DANIEL P. WOOLLEY, New York, N. Y. Published May 3, 1923.

26,210.—*Title:* LIVE LONG. For Bread. DANIEL P. WOOLLEY, New York, N. Y. Published May 3, 1923.

26,211.—*Title:* LADY BETTY. For Bread. DANIEL P. WOOLLEY, New York, N. Y. Published May 3, 1923.

26,212.—*Title:* BETTY BROWN. For Bread. DANIEL P. WOOLLEY, New York, N. Y. Published May 3, 1923.

26,213.—*Title:* BALANCED. For Bread. DANIEL P. WOOLLEY, New York, N. Y. Published May 3, 1923.

26,214.—*Title:* LIKASLICE. For Bread. DANIEL P. WOOLLEY, New York, N. Y. Published May 3, 1923.

26,215.—*Title:* EXTRA FINE. For Bread. DANIEL P. WOOLLEY, New York, N. Y. Published May 3, 1923.

26,216.—*Title:* SUPERFINE. For Bread. DANIEL P. WOOLLEY, New York, N. Y. Published May 3, 1923.

26,217.—*Title:* HOME KRAFT. For Bread. DANIEL P. WOOLLEY, New York, N. Y. Published May 3, 1923.

26,218.—*Title:* SALLY BROWN. For Bread. DANIEL P. WOOLLEY, New York, N. Y. Published May 3, 1923.

26,219.—*Title:* FINETEX. For Bread. DANIEL P. WOOLLEY, New York, N. Y. Published May 3, 1923.

PRINTS

REGISTERED JULY 10, 1923.

6,787.—*Title:* WELLSWORTH GLASSES ALL THAT SCIENCE CAN GIVE, ALL THAT ARTISTRY CAN ADD. For Spectacles and Eyeglasses. AMERICAN OPTICAL COMPANY, Southbridge, Mass. Published April 2, 1923.

6,788.—*Title:* GETTING THE MOST OUT OF LIFE. For Athletic Underwear. THE B. V. D. COMPANY, INC., New York, N. Y. Published May 15, 1923.

6,789.—*Title:* THE LABEL SHOWS THE WAY TO 'B. V. D.' For Athletic Underwear. THE B. V. D. COMPANY, INC., New York, N. Y. Published May 7, 1923.

6,790.—*Title:* WHAT IS 'B. V. D.'? For Athletic Underwear. THE B. V. D. COMPANY, INC., New York, N. Y. Published June 1, 1923.

6,791.—*Title:* LITTLE STORIES OF SUCCESS. For Vanilla Extracts. THE CONSUMERS DISTRIBUTING Co., Pittsburgh, Pa. Published March 28, 1923.

6,792.—*Title:* YOU WOULDN'T DRINK FROM YOUR SAUCER. For Papeteries. EATON, CRANE & PIKE COMPANY, Pittsfield, Mass. Published April 1, 1923.

6,793.—*Title:* "ONYX" HOSIERY. For Hosiery. EMERY & BEERS COMPANY INC., New York, N. Y., assignor to Onyx Hosiery Inc., New York, N. Y., a Corporation of New York. Published March 1, 1923.

6,794.—*Title:* "ONYX" HOSIERY. For Hosiery. EMERY & BEERS COMPANY INC., New York, N. Y., assignor to Onyx Hosiery Inc., New York, N. Y., a Corporation of New York. Published March 15, 1923.

6,795.—*Title:* "ONYX" HOSIERY. For Hosiery. EMERY & BEERS COMPANY INC., New York, N. Y., assignor to Onyx Hosiery Inc., New York, N. Y., a Corporation of New York. Published April 1, 1923.

6,796.—*Title:* THE ACE OF GOLF BALLS. For Golf Balls. THE FAIR, Chicago, Ill. Published May 20, 1923.

6,797.—*Title:* KNICKER BOSTON GARTER. For Men's Garters. GEORGE FROST COMPANY, Boston, Mass. Published May 17, 1923.

6,798.—*Title:* HAYNES 77. For Automobiles. THE HAYNES AUTOMOBILE CO., Kokomo, Ind. Published June 9, 1923.

6,799.—*Title:* PICKLES IN PATTERNS. For Heinz 57 Varieties (Food Products). H. J. HEINZ COMPANY, Pittsburgh, Pa. Published January 1, 1923.

6,800.—*Title:* YOUR FRIEND AND OURS—THE GROCER. For Heinz 57 Varieties (Food Products). H. J. HEINZ COMPANY, Pittsburgh, Pa. Published May 1, 1923.

6,801.—*Title:* WHAT SURPRISED THE CHEF. For Heinz 57 Varieties (Food Products). H. J. HEINZ COMPANY, Pittsburgh, Pa. Published March 1, 1923.

6,802.—*Title:* MOST SMILES PER GALLON. For Gasoline and Oils. HYGRADE OIL & FUEL CORPORATION, Buffalo, N. Y. Published April 25, 1923.

6,803.—*Title:* MOTION PICTURE MEMORY CONTEST. For Motion Pictures. J. CARL JESSEN, Hollywood, Calif. Published May 1, 1923.

6,804.—*Title:* ETERNAL BLISS. For Finger Rings. HARRY E. KAPLAN, doing business as H. E. Kaplan & Co., Chicago, Ill. Published April 25, 1923.

6,805.—*Title:* LITTLE WOMEN DRESS CO. For Dresses. LITTLE WOMEN DRESS CO., New York, N. Y. Published May 31, 1923.

6,806.—*Title:* SNAP—A BETTER HAIR WAVER. For Hair Waivers. MCCONNELL MANUFACTURING COMPANY, Newark, N. J. Published May 15, 1923.

6,807.—*Title:* SHOOT THE PLUGS. For Plugs for Cleaning Condenser Tubes. MANNION & ARTHUR CO., Perth Amboy, N. J. Published May 29, 1923.

6,808.—*Title:* WORLD'S LARGEST EXCLUSIVE REPRODUCING AND ARTIST GRAND PIANO HOUSE. For Pianos of All Kinds. MOIST PIANO COMPANY, Chicago, Ill. Published April 15, 1923.

6,809.—*Title:* WATCH YOUR (IN)-STEP! For Arch Builders or Supports. THE OHIO TRUSS CO., Cincinnati, Ohio. Published June 9, 1923.

6,810.—*Title:* "ONYX" HOSIERY. For Hosiery. "ONYX" HOSIERY INC., New York, N. Y. Published June 1, 1923.

6,811.—*Title:* PURE ENOUGH TO EAT. For a Toilet Soap (Reuter's). REUTER-BARRY, INC., New York, N. Y. Published May 16, 1923.

6,812.—*Title:* INEVITABLY. For Gas Ranges. GEO. D. ROPER CORPORATION, Rockford, Ill. Published April 28, 1923.

6,813.—*Title:* PROTECTED BY PROFESSIONAL HONOR. For Drugs. E. R. SQUIBB & SONS, New York, N. Y. Published November 18, 1922.

6,814.—*Title:* IT WAS THUS INTENDED. For Drugs. E. R. SQUIBB & SONS, New York, N. Y. Published March 3, 1923.

6,815.—*Title:* SERVANTS OF SCIENCE. For Drugs. E. R. SQUIBB & SONS, New York, N. Y. Published February 10, 1923.

6,816.—*Title:* ANOTHER GREAT ACHIEVEMENT BY THE SQUIBB LABORATORIES. For Squibb's Magnesia Dental Cream. E. R. SQUIBB & SONS, New York, N. Y. Published February 24, 1923.

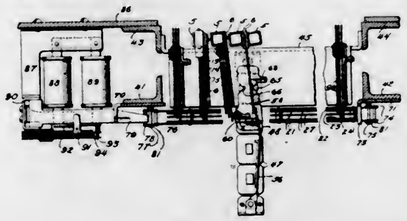
6,817.—*Title:* T-O-T TURNOVER GAS TOASTER. For Bread Toasters. TURN-OVER-TOASTER COMPANY, INC., New York, N. Y. Published December 1, 1922.

6,818.—*Title:* AMORTIZED MORTGAGES, WHAT THEY ARE AND WHY WE URGE THEM. For Amortized Mortgages. ALLEN J. WILSON, Kansas City, Mo. Published May 23, 1923.

REISSUES.

JULY 10, 1923.

15,644. LINE SWITCH. JOHN N. REYNOLDS, Greenwich, Conn., assignor to Western Electric Company, Incorporated, New York, N. Y., a Corporation of New York. Filed June 7, 1921. Serial No. 475,827. Original No. 1,306,124, dated June 10, 1919, Serial No. 127,944, filed Oct. 26, 1916. 17 Claims. (Cl. 179—27.5.)



1. In a switching mechanism, switch bars, cooperating sets of contacts on said bars vertically and horizontally separated from each other, and means for moving one of said bars, bodily, at right angles to and in the direction of its length in a continuous movement upon the arc of a circle.

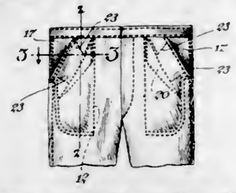
15,645. VIBRATION DAMPING DEVICE. MILTON TIBBETTS, Detroit, Mich., assignor to Packard Motor Car Company, Detroit, Mich., a Corporation of Michigan. Filed Dec. 15, 1921. Serial No. 522,700. Original No. 1,325,057, dated Dec. 16, 1919, Serial No. 30,770, filed May 27, 1915. 18 Claims. (Cl. 74—6.)



1. In a device of the class described, in combination, an inner member, an outer relatively rotatable inertia member, friction disks between said members, and means for yieldingly separating said disks to form a frictional driving connection between the members.

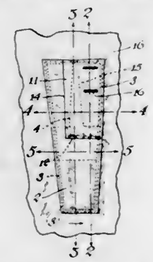
15,646. POCKET FOR WEARING APPAREL. CHARLES R. WOOD, Fargo, N. Dak. Filed Feb. 28, 1923. Serial No. 621,963. Original No. 1,431,275, dated Oct. 10, 1922, Serial No. 527,635, filed Jan. 7, 1922. 4 Claims. (Cl. 2—15.)

1. The combination with a pocket having an opening and two pieces of material secured together and to the pocket at the edges of the opening forming a loss preventing apron extending into the pocket from the opening, of flexible connections between the extreme inner end of the apron and the body of the pocket permitting



complete separation of the apron from the walls of the pocket, preventing withdrawal of the inner end of the apron through the pocket opening and maintaining the inner end edges of the apron stretched and in contacting relation.

15,647. RULE POCKET. CHARLES R. WOOD, Fargo, N. Dak. Filed Feb. 28, 1923. Serial No. 621,964. Original No. 1,407,827, dated Feb. 28, 1922, Serial No. 412,764, filed Sept. 25, 1920. 16 Claims. (Cl. 2—15.)



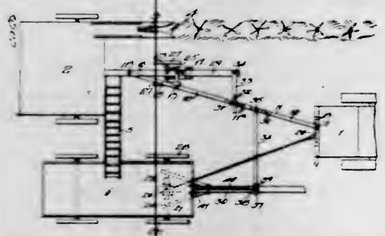
1. In a rule pocket, a portion of a garment, a piece of fabric secured thereto to form a pocket, the piece of fabric having formed therein intermediate its side edges a substantially vertically extending elongated opening, and a cover piece secured along the top, bottom and one vertical edge thereof to said piece of fabric, the free edge of said cover piece extending over and forming a flap for said opening, and a portion bent back from said free edge and secured to the fabric piece adjacent the secured vertical edge of said opening next adjacent the secured vertical edge of such cover.

15,648. PROCESS OF STERILIZING CHEESE. ELMER ELLSWORTH ELDREDGE, Zeeland, Mich., assignor to Phenix Cheese Company, New York, N. Y., a Corporation of New York. Filed Jan. 27, 1923. Serial No. 615,368. Original No. 1,374,141, dated Apr. 5, 1921, Serial No. 326,038, filed Sept. 24, 1919. 13 Claims. (Cl. 99—1.)

9. As an article of manufacture, cheese containing a salt of phosphoric acid and sterilized.

12. The method of preventing disintegration of cheese when the latter is heated to a temperature above that at which the butter fat and casein would normally separate, which consists in first comminuting the cheese, adding thereto a small percentage of sodium phosphate, heating the mass, and stirring the same during said heating, the heating being continued until there is produced a homogeneous body capable, while heated, of flowing to assume the shape of a container.

15,649. VEHICLE-TOWING MECHANISM. SAMUEL E. LAWRENCE, Saybrook, Ill. Filed Mar. 4, 1920. Serial No. 363,323. Original No. 1,307,781, dated June 24, 1919, Serial No. 276,397, filed Feb. 11, 1919. 6 Claims. (Cl. 280—33.44.)



1. A vehicle-towing device comprising a bar and a flexible chain or cable having one of their ends adjustably connected to the rear end of a towing vehicle, their other ends connected to two parallel disposed vehicles to be towed in parallel relation to each other, pivoted bars pivotally connected to the tongues of the vehicles and adjustably connected to the first mentioned bar so that the tongues of the vehicles will be turned when the towing vehicle turns to either side.

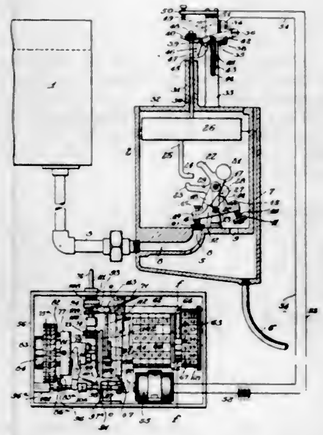
15,650. GOVERNING DEVICE FOR INTERNAL-COMBUSTION ENGINES. EDWARD MOORE, Newark, N. J., assignor to Splitdorf Electrical Company, Newark, N. J. Filed July 7, 1921. Serial No. 483,057. Original No. 1,363,745, dated Dec. 28, 1920, Serial No. 301,563, filed June 3, 1919. 17 Claims. (Cl. 264—16.)



1. In a governing device the combination of, a two part casing having central openings in each part, a driving member positioned within the central opening of one part, a driven member positioned within the opening of the other part, studs fastened to that part of said casing enclosing the driven member, bearing bushings carried by the other part of said casing, centrifugally operated members carried on said studs, links connecting said centrifugally operated members to said driven member, centrifugally operated members carried by said bushings, links connecting said last mentioned centrifugally operated members to said driving member, resilient means acting on said centrifugally operated members to regulate their operation, said studs passing through said bearing bushings and means for engaging said studs to hold the two parts of said casing and inclosed mechanism in operative relationship.

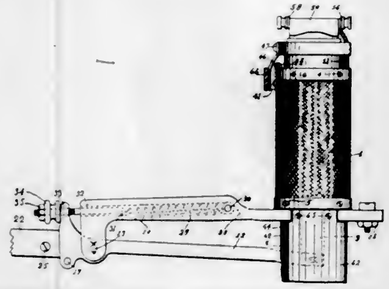
15,651. FLUID MEASURING AND INDICATING MECHANISM. ADOLPH STUBER, Rochester, N. Y. Filed July 11, 1922. Serial No. 574,296. Original application filed Oct. 7, 1916, Serial No. 124,220. Renewed Dec. 19, 1919, Serial No. 346,174. Original No. 1,355,183, dated Oct. 12, 1920. 11 Claims. (Cl. 235—1.)

1. In combination, an indicator, means including an actuating member and a rotatable member for driving said indicator from a predetermined starting point, said rotatable member being adapted to adjust said actuating member, means for restoring said members to said starting point, locking devices normally engaging the actuating member and the indicator, and a locking device for the rotatable member which is normally disengaged



therefrom, a periodically operated release means arranged to disconnect the driving means and the normally engaged locking devices and to cause the engagement of the last mentioned locking device with the rotatable member, and means for moving the indicator relatively to its actuator when it is unlocked.

15,652. OPERATOR'S OUTFIT FOR ELECTRIC WELDING. ERNST WOLTMANN, New York, N. Y. Filed Dec. 31, 1919. Serial No. 348,682. Original No. 1,284,529, dated Nov. 12, 1918, Serial No. 25,179, filed May 1, 1915. 83 Claims. (Cl. 219—8.)



1. An electric welder comprising, with means for supplying electricity thereto and means for operating the welder, welding terminals connected to said means for supplying electricity and operatively supported and providing an electrode, terminal means connected to said means for supplying electricity and attachable to the work and providing an electrode, means for moving said welding terminal means to the work when said attachable terminal means is electrically connected to the work, and means for moving said welding terminal means away from the work.

DESIGNS.

JULY 10, 1923.

62,630. LIGHTING-FIXTURE PART. PERCY I. ANSORGE, Brooklyn, N. Y. Filed Aug. 8, 1922. Serial No. 3,327. Term of patent 7 years.



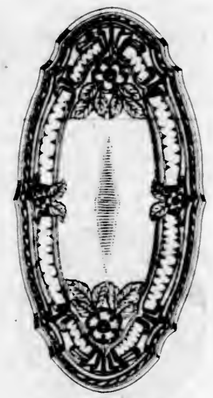
The ornamental design for a lighting fixture part as shown and described.

62,631. BASKET. ALFRED J. FLAUDER, Bridgeport, Conn., assignor to The Weidlich Bros. Mfg. Co., Inc., Bridgeport, Conn., a Corporation of Connecticut. Filed Sept. 13, 1922. Serial No. 3,714. Term of patent 7 years.



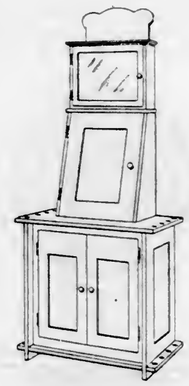
The ornamental design for a basket substantially as shown.

62,632. PLATE FOR LIGHTING FIXTURES. HAMILTON T. HOWELL, New York, N. Y., assignor to Alfred Vester Sons, Inc., Providence, R. I., a Corporation of Rhode Island. Filed Aug. 28, 1922. Serial No. 3,579. Term of patent 14 years.



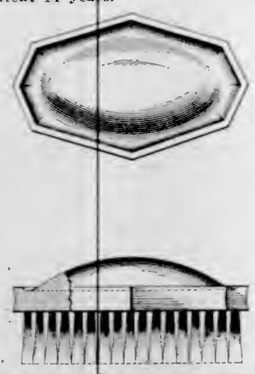
The ornamental design for a plate for lighting fixtures, as shown.

62,633. DISPLAY STAND. JOHN C. HUNTER, Cincinnati, Ohio, assignor to Jacob Meerse, Cincinnati, Ohio. Filed Oct. 3, 1922. Serial No. 3,872. Term of patent 14 years.



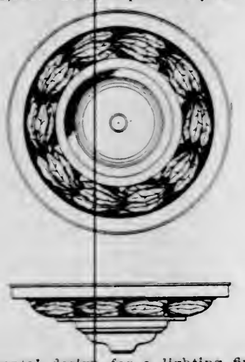
The ornamental design for a display stand, substantially as shown.

62,634. BRUSH. EVELYN VAN NORMAN KRIEHN, New York, N. Y. Filed May 1, 1922. Serial No. 2,024. Term of patent 14 years.



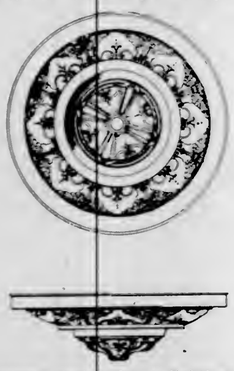
The ornamental design for a brush as shown.

62,635. LIGHTING-FIXTURE PAN. NORMAN LIPSKY, New York, N. Y., assignor to Henry Hyman & Company, Inc., a Corporation of New York. Filed July 8, 1922. Serial No. 2,988. Term of patent 7 years.



The ornamental design for a lighting fixture pan as shown.

62,636. LIGHTING-FIXTURE PAN. NORMAN LIPSKY, New York, N. Y., assignor to Henry Hyman & Company, Inc., a Corporation of New York. Filed July 8, 1922 Serial No. 2,989. Term of patent 7 years.



The ornamental design for a lighting fixture pan as shown.

62,637. LIGHTING-FIXTURE BAND. NORMAN LIPSKY, New York, N. Y., assignor to Henry Hyman & Company, Inc., a Corporation of New York. Filed July 8, 1922. Serial No. 2,990. Term of patent 7 years.



The ornamental design for a lighting fixture band as shown.

62,638. LIGHTING-FIXTURE BODY. NORMAN LIPSKY, New York, N. Y., assignor to Henry Hyman & Company, Inc., a Corporation of New York. Filed July 8, 1922. Serial No. 2,991. Term of patent 7 years.



The ornamental design for a lighting fixture body as shown.

62,639. LIGHTING-FIXTURE ARM. NORMAN LIPSKY, New York, N. Y., assignor to Henry Hyman & Company, Inc., a Corporation of New York. Filed July 8, 1922. Serial No. 2,995. Term of patent 7 years.



The ornamental design for a lighting fixture arm as shown.

62,640. CONTAINER FOR FROZEN DAINTIES. FRANK E. MAYOL, Salt Lake City, Utah. Filed June 19, 1922. Serial No. 2,744. Term of patent 3½ years.



The ornamental design for a container for frozen dainties, as shown.

62,641. ENTRANCE ARCH. WILLIAM W. PAINE, Palms, Calif. Filed Mar. 1, 1922. Serial No. 961. Term of patent 3½ years.



The ornamental design for an entrance arch, as shown.

62,642. LIGHTING FIXTURE. ROSCOE C. PFLEAGER, Cleveland, Ohio, assignor to Benjamin F. Klein, Cleveland, Ohio. Filed Aug. 14, 1922. Serial No. 3,374. Term of patent 7 years.



The ornamental design for a lighting fixture, substantially as shown.

62,643. LIGHTING FIXTURE. ROSCOE C. PFLEAGER, Cleveland, Ohio, assignor to Benjamin F. Klein, Cleveland, Ohio. Filed Aug. 14, 1922. Serial No. 3,375. Term of patent 7 years.



The ornamental design for a lighting fixture, substantially as shown.

62,644. LIGHTING FIXTURE. ROSCOE C. PFLEAGER, Cleveland, Ohio, assignor to Benjamin F. Klein, Cleveland, Ohio. Filed Aug. 14, 1922. Serial No. 3,377. Term of patent 7 years.



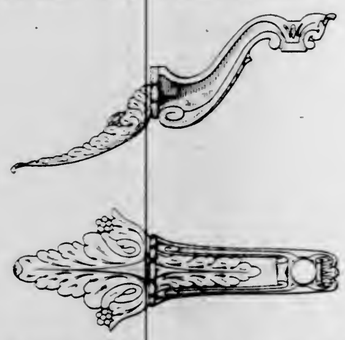
The ornamental design for a lighting fixture, substantially as shown.

62,645. LIGHTING FIXTURE. ROSCOE C. PFLEAGER, Cleveland, Ohio., assignor to Benjamin F. Klein, Cleveland, Ohio. Filed Aug. 14, 1922. Serial No. 3,378. Term of patent 7 years.



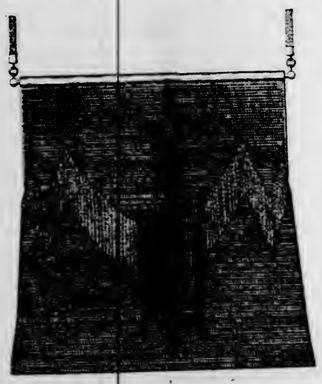
The ornamental design for a lighting fixture, substantially as shown.

62,646. ARM FOR LIGHTING FIXTURES. MAX F. ROSACKER, Mount Penn, Pa. Filed Oct. 11, 1922. Serial No. 3,940. Term of patent 3½ years.



The ornamental design for an arm for lighting fixtures, as shown.

62,647. MESH BAG. HARRY BRADLEY ROWAN, North Attleboro, Mass., assignor to Whiting & Davis Company, a Corporation of Massachusetts. Filed July 28, 1922. Serial No. 3,230. Term of patent 7 years.



The ornamental design for a mesh bag as shown.

62,648. CATCH FOR NECKLACES. HARRY C. SCHICK, Newark, N. J. Filed Feb. 7, 1923. Serial No. 5,101. Term of patent 3½ years.



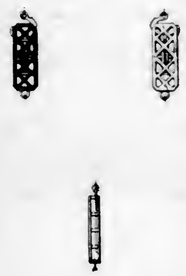
The ornamental design for a catch for necklaces, as shown.

62,649. CATCH FOR NECKLACES. HARRY C. SCHICK, Newark, N. J. Filed Feb. 7, 1923. Serial No. 5,103. Term of patent 3½ years.



The ornamental design for a catch for necklaces, as shown.

62,650. CATCH FOR NECKLACES. HARRY C. SCHICK, Newark, N. J. Filed Feb. 7, 1923. Serial No. 5,104. Term of patent 3½ years.



The ornamental design for a catch for necklaces, as shown.

62,651. CATCH FOR NECKLACES. HARRY C. SCHICK, Newark, N. J. Filed Feb. 7, 1923. Serial No. 5,105. Term of patent 3½ years.

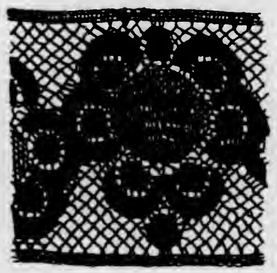


The ornamental design for a catch for necklaces, as shown.

62,652. MACHINE EMBROIDERY. ERNST OTTO SCHÜLER, Falkenstein, Germany, assignor to Perlmann, Schal & Stern, New York, N. Y., a Copartnership composed of Nicholaus Perlmann, George Schal, and Herman Stern. Filed July 15, 1922. Serial No. 3,090. Term of patent 3½ years.

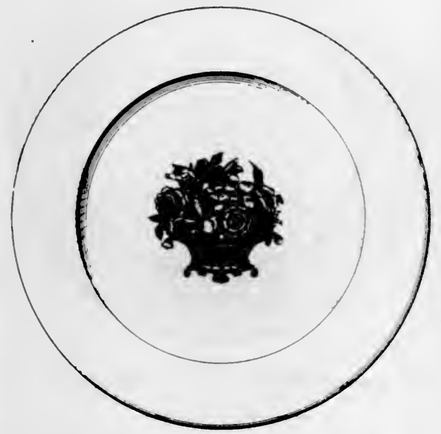
The ornamental design for machine embroidery as shown.

62,653. LACE. THOMAS HENRY SMEDLEY, Long Eaton, England, assignor to Richmond Lace Works, Alton, R. I., a Corporation of Maine. Filed Nov. 29, 1922. Serial No. 4,450½. Term of patent 3½ years.



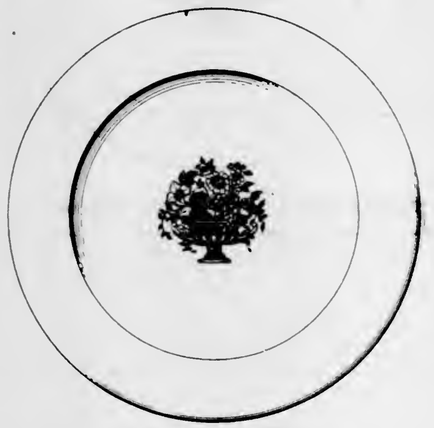
The ornamental design for lace, as shown.

62,654. DISH. JULES H. VENON, New York, N. Y. Filed Jan. 6, 1922. Serial No. 63. Term of patent 7 years.



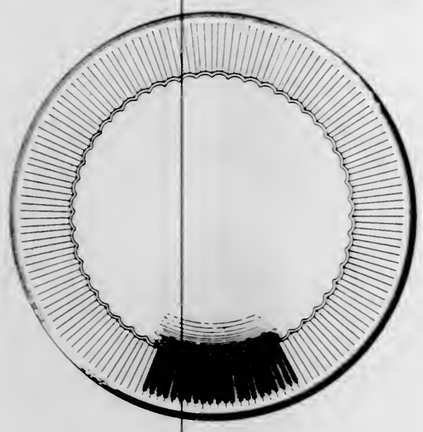
The ornamental design for a dish, as shown.

62,655. DISH. JULES H. VENON, New York, N. Y. Filed Jan. 6, 1922. Serial No. 64. Term of patent 7 years.



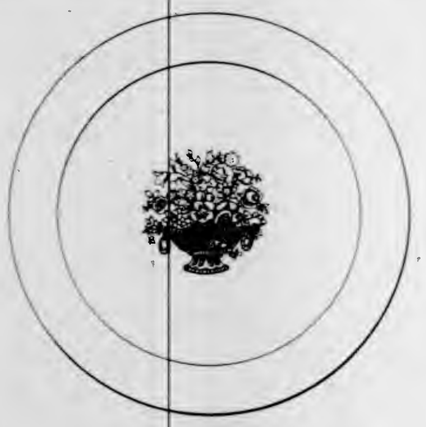
The ornamental design for a dish, as shown.

62,656. DISH. JULES H. VENON, New York, N. Y. Filed Jan. 6, 1922. Serial No. 65. Term of patent 7 years.



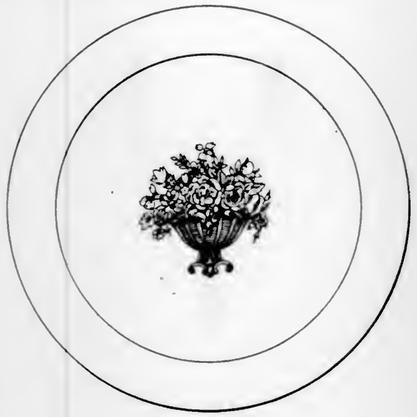
The ornamental design for dish, as shown.

62,657. DISH. JULES H. VENON, New York, N. Y. Filed Feb. 25, 1922. Serial No. 891. Term of patent 7 years.



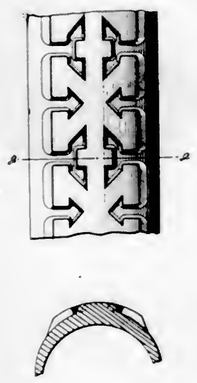
The ornamental design for a dish, as shown.

62,658. DISH. JULES H. VENON, New York, N. Y. Filed Feb. 25, 1922. Serial No. 892. Term of patent 7 years.



The ornamental design for a dish, as shown.

62,659. RUBBER TIRE. CHARLES H. WHEELER, East Palestine, Ohio. Filed Oct. 20, 1921. Serial No. 509,184. Term of patent 7 years.

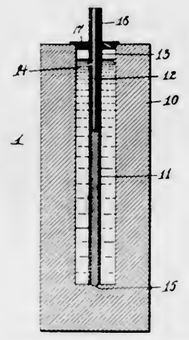


The ornamental design for a rubber tire, as shown.

PATENTS

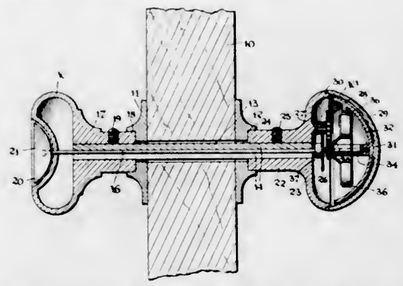
GRANTED JULY 10, 1923.

1,461,018. METHOD OF MAKING TUBULAR BODIES. PERCY A. E. ARMSTRONG, Boudonville, N. Y. Filed Feb. 3, 1919. Serial No. 274,638. 2 Claims. (Cl. 29—160.4.)



1. The process of making tubular bodies such as hollow drill rod and the like which consists in casting an ingot around a core, treating the ingot and core for elongation and reduction of cross-section, as by rolling and removing the core.

1,461,019. DOORBELL. JOHN ALEXANDER BAGINLEY, Hoquiam, Wash. Filed Apr. 4, 1922. Serial No. 549,541. 1 Claim. (Cl. 116—153.)



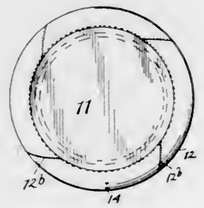
In combination, a pair of hollow door knobs, each having a stem projection from the inner side thereof and each stem being provided with a longitudinal bore communicating with the interior of the associated knob, a spindle having its ends disposed within the stems of said knobs, said spindle being split longitudinally to provide a plurality of sections, one of said sections being wedge-shaped and the sections adjacent to the wedge section each having a face adapted to co-operate with the wedge section for enlarging said spindle when the wedge-shaped section is pressed inwardly, a set screw carried by each stem adapted to be manipulated for pressing said wedge-shaped spindle section inwardly and thereby clamp the ends of the spindle within the door knob stems, and said spindle sections having their inner edges recessed to provide a bore extending longitudinally and centrally of the spindle, a shaft extending through said bore and said shaft having one end disposed within a door knob and its other end extending through the associated door knob and carrying means whereby the shaft may be manually rotated, and a bell supported within the other door knob and adapted to be operated by the operation of said spindle.

1,461,020. HOBBYHORSE TOY. LOUIS D. BARR, Tacoma, Wash. Filed Feb. 28, 1922. Serial No. 539,977. 1 Claim. (Cl. 46—37.)



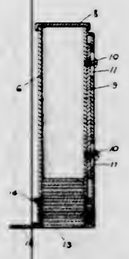
A device of the class described, comprising a standard having one end forming a handle, a seat mounted on the standard between the ends, an axle secured intermediate its ends to the other end of the standard, the center line of the axle and standard intersecting, and wheels mounted on the ends of the axle and spaced a substantial distance apart, whereby the weight of the user is applied to the wheels at the axes thereof between the points of engagement with the ground to prevent the device from turning over in use.

1,461,021. SPARE-TIRE COVER FOR AUTOMOBILES. WARWICK G. BATE, Newton Falls, Ohio. Filed Sept. 4, 1920. Serial No. 408,158. 2 Claims. (Cl. 150—54.)



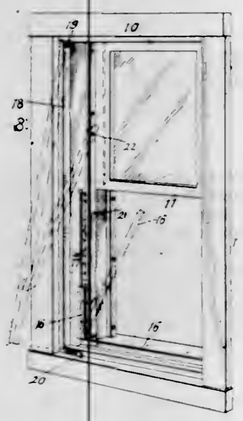
1. A cover for a spare tire comprising a circular piece of material, a strip of bias cut fabric attached to the periphery of said circular portion to form a part which is adapted to be extended over and around to the rear of the tire, and means carried by the free edge of said strips, for stretching said strip about the tire and for securing it against removal therefrom.

1,461,022. ADJUSTABLE METAL-TICKET CHANGER. EDWIN BECKER and ERNEST ABER, Racine, Wis. Filed Aug. 20, 1921. Serial No. 494,008. 2 Claims. (Cl. 133—5.)



1. A metal ticket changer comprising tubular ticket holding means, registering aperture ticket discharging means, and a telescoping member for regulating the number of tickets to be discharged through the registering apertures.

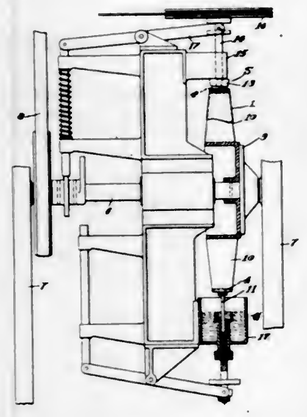
1,461,023. WINDOW CONSTRUCTION. PAUL BECKER, East Cleveland, Ohio. Filed Mar. 13, 1922. Serial No. 543,232. 4 Claims. (Cl. 20—52.4.)



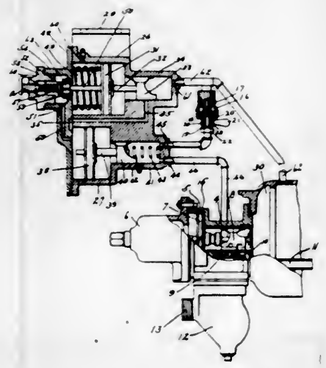
1. In a window construction, a window frame having upper and lower sashes slidable vertically in guideways formed by the frame, weather stripping carried by the frame and engaged by said sashes, sections of the weather stripping engaged by upright portions of the sashes on one side of the frame being removable, and said frame having on the side upon which the removable weather stripping is mounted molding strips with movable portions normally forming the inner walls of the upright guideways for the sashes and permitting the removal of the sashes when the removable sections of the weather stripping are removed, said sashes being movable laterally sufficiently to permit the side freed from the weather stripping and molding strips to be swung inwardly.

1,461,024. METHOD OF AND APPARATUS FOR PRODUCING WATERPROOFED RECEPTACLES. WILLIAM EVERET BENSON, Wilmington, Mass. Filed Oct. 16, 1922. Serial No. 594,775. 7 Claims. (Cl. 93—55.)

1. The method of manufacturing a waterproofed paper receptacle having a side wall and a flanged bottom closure, consisting in adhesively coating the flange of said bottom closure while said closure is retained on a forming mandrel, in applying the side wall to said mandrel, in folding the lower edge of said side wall to provide a flange enclosing said bottom closure flange, and in internally expanding the bottom closure flange against the side wall flange to cause said flanges to adhere to each other.

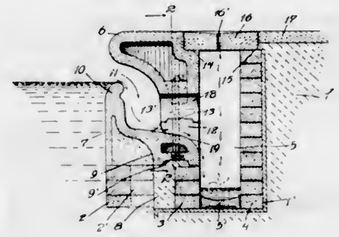


1,461,025. AIR-BRAKE MECHANISM. LESLIE G. BLACK, Sioux City, Iowa. Filed Mar. 30, 1921. Serial No. 457,022. 12 Claims. (Cl. 303—78.)



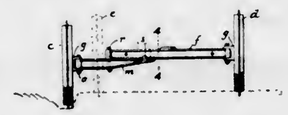
1. A brake system embodying a source of fluid pressure, brake mechanism including a fluid-pressure passage, an exhaust passage, valve mechanism for placing said passages in and out of intercommunication, a fluid-pressure-retaining valve, a communicating passage between the exhaust passage and the retaining valve, and means for controlling the retaining valve, including a valve chamber communicating with said communicating passage and having an exhaust opening, valve mechanism within said chamber, actuated from said source of pressure to close the exhaust opening when the pressure in said source is subnormal, and actuated by pressure from the communicating passage to open the exhaust opening when the pressure in said source is normal.

1,461,026. SWIMMING-POOL CONSTRUCTION. JOHN FRANCIS BOORAEM, Greenwich, Conn. Filed Mar. 8, 1922. Serial No. 542,099. 12 Claims. (Cl. 4—2.)



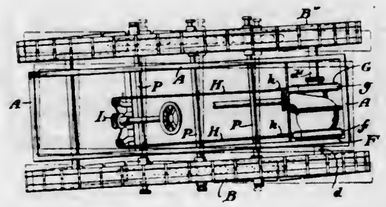
1. A swimming pool construction comprising an overflow gutter and a trench extending longitudinally of the margin of the pool in spaced relation to each other and transverse passages affording direct communication between said gutter and trench.

1,461,027. TRACTOR. JAMES W. BROCKSON, Middletown, Del., assignor of one-half to P. L. McWhorter, Middletown, Del. Filed June 8, 1921. Serial No. 475,943. 2 Claims. (Cl. 280—96.1.)



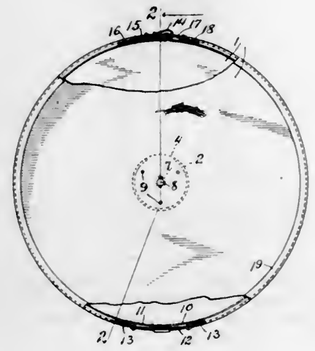
1. In a tractor for use in plowing, in combination with the front axle and wheels, means to have one of the guiding wheels run in a line outside of the regular wheel base and at a lower level than the other wheels, said means comprising an extension piece with its outer end formed to receive the wheel steering knuckle and its inner end adapted to clamp the axle and bored intermediately to receive a bolt dropped through the king-pin hole of the axle for firmly securing the extension piece beneath said axle.

1,461,028. ENDLESS-TRACK VEHICLE. LEWIS K. DAVIS, Washington, D. C. Filed Mar. 20, 1923. Serial No. 626,376. 5 Claims. (Cl. 180—91.)



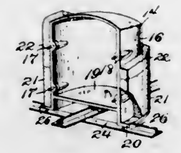
1. An endless track vehicle comprising a frame, endless flexible tracks carried thereby, a frame supporting member bearing on the lower run of each track and each mounted to move laterally in unison with a corresponding lateral movement of the portion of the track which it engages, driving pulleys and idlers for the tracks, differential gearing connecting the driving pulleys and independently operable brakes therefor, the application of either brake reducing the speed of the associated pulley and correspondingly increasing the speed of the other pulley to bend laterally only the lower reach of said track between the pulley and idler and give lateral movement to the body supporting members.

1,461,029. SAFETY FILM REEL. LEO J. DOTY, Kansas City, Mo. Filed July 21, 1919. Serial No. 312,156. 1 Claim. (Cl. 206—59.)



A safety film reel cover comprising two members having means for embracing the edges of the heads of a film reel and having one set of ends which overlap each other hinged together, the other set of ends being adapted to overlap each other in the closed position, said members where they overlap having their inner surfaces flush with each other, and means for releasably locking together the free ends of said members, substantially as set forth.

1,461,030. FUEL SAVER. ALFRED EDMOND, Kearney, N. J. Filed Nov. 23, 1921. Serial No. 517,306. 3 Claims. (Cl. 126—148.)

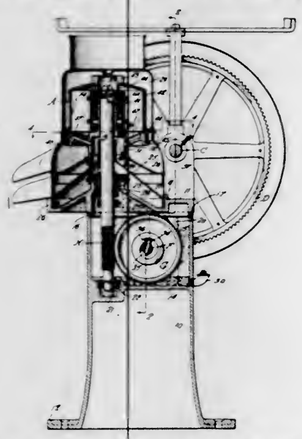


1. A fuel saver comprising a casing formed of two members adapted to be secured side by side, a covering of refractory material, said covering comprising a lower member to surround the bottom part of the casing and an upper part to surround the upper sides and the top of the casing.

1,461,031. CENTRIFUGAL SEPARATOR. HARVEY FELDMEIER, Little Falls, N. Y., assignor to D. H. Burrell & Co., Inc., Little Falls, N. Y. Filed Oct. 26, 1920. Serial No. 419,652. 8 Claims. (Cl. 233—23.)

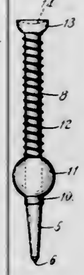
1. In a centrifugal separating machine, a bowl supporting frame comprising a hollow body and a top removably

secured thereon and forming a support for a receptacle for separated liquid, the joint between said top and body



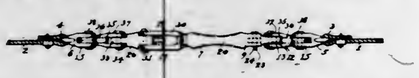
being circular and said top having a circular seat for said receptacle eccentric to said circular joint.

1,461,032. CENTER PUNCH. ALEXANDER FORSYTH, Westboro, Mass., assignor to Arthur M. Fraser, Westboro, Mass. Filed Oct. 27, 1920. Serial No. 420,009. 1 Claim. (Cl. 81—1.)



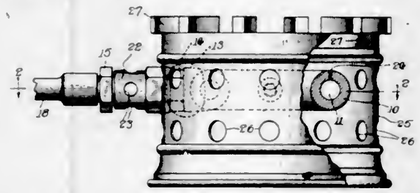
A center punch embodying therein a member provided with a point at its lower extremity and also provided with a shoulder formed thereon, a shank located at the upper extremity of said member and having screw-threaded engagement therewith, a head formed integral with said shank at the upper end thereof and provided with a recess therein constituting a finger rest, a striker slidably mounted upon said shank and a spring surrounding said shank between said head and said striker and adapted to force said striker against said shoulder.

1,461,033. SWIVELED COUPLING. ALFRED S. FRIEZE, Fossil, Oreg. Filed Sept. 19, 1919. Serial No. 324,789. 1 Claim. (Cl. 24—123.)



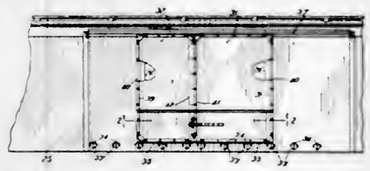
In a coupling of the character described, the combination with a bar member having a slotted end and an arm diagonally slotted and pivoted to said bar and adapted to be locked parallel to said bar and capable of being swung upwardly on its pivot, of an engaging slide block having interlocking portions with said diagonal slot in the pivot bar, and to cooperate with the bar when the arm is locked in a parallel position, bifurcated members pivotally mounted on said bar and on said slide block, and cable attaching hooks connected to said bifurcated members for a swivel movement permitting a free rotation of said hooks.

1,461,034. ACETYLENE-GAS BURNER. WILLIAM J. FRISBIE, Chicago, Ill., assignor to Justrite Manufacturing Company, Chicago, Ill., a Corporation of Illinois. Filed Feb. 8, 1922. Serial No. 535,025. 1 Claim. (Cl. 158—99.)



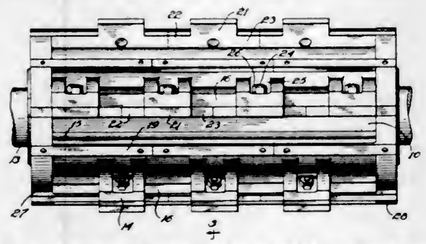
In a gas burner, the combination of a body having an annular gas chamber therein, an extension on said body providing a gas inlet passageway to said chamber, the outer and inner sides of said passageway being tangential respectively with the outer and inner sides of said chamber whereby gas will flow directly tangentially from said passageway into said chamber, and gas combustion outlets from said chamber.

1,461,035. DOUBLE-DOOR CONSTRUCTION FOR RAILWAY CARS. GARTH G. GILPIN, Riverside, Ill., assignor to Walter P. Murphy, New York, N. Y. Filed May 29, 1920. Serial No. 385,102. 28 Claims. (Cl. 20—22.)



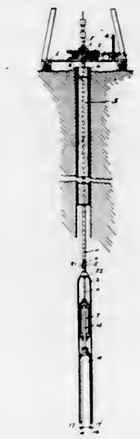
2. The combination with a railway car having a door opening and a pair of doors to close said opening, of means on one of said doors adapted to receive and support a bodily removable upright coopering strip.

1,461,036. CRUSHER ROLL. THOMAS A. HIBBINS, Wellsville, Ohio, assignor to The Stevenson Company, Wellsville, Ohio, a Corporation of Ohio. Filed Dec. 7, 1922. Serial No. 605,349. 3 Claims. (Cl. 83—12.)



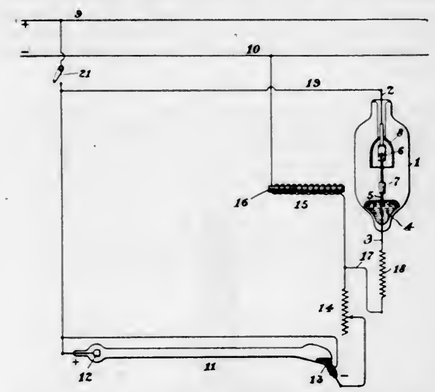
1. A crusher roll structure for crushing machines comprising the roll body, longitudinal rows of long teeth on said body and shorter teeth between said long teeth in said rows, a channel in front of each row, a wearing plate of hard material seated in said channel in front of each long tooth and having extensions engaging in front of part of the adjacent shorter teeth, and means for detachably securing each plate to the corresponding long tooth.

1,461,037. DRILLING TOOL. WILLIAM R. HOWARD, Washington, D. C. Filed Aug. 3, 1918, Serial No. 248,114. Renewed Jan. 19, 1923. 6 Claims. (Cl. 255—4.)



1. In a drilling apparatus, the combination with a drill stem, of a hollow jacket member secured to the lower end of the drill stem, a motor enclosed in said jacket, means for controlling the operation of said motor, from the ground, a cutting tool projecting into said jacket, operative connections between the motor and cutting tool for rotating the latter, and cutting bits carried by the tool.

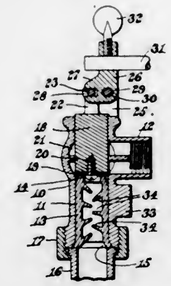
1,461,038. STARTER FOR ELECTRICAL TRANSLATING DEVICES. FREDERICK G. KEYES, Hoboken, N. J., assignor to Cooper Hewitt Electric Company, Hoboken, N. J., a Corporation of New Jersey. Filed July 2, 1918. Serial No. 243,012 8 Claims. (Cl. 200—152.)



4. A circuit interrupter comprising a stationary container, terminals therein, one of which terminals is a pendulum, and a skirt surrounding the pivoted end of the pendulum.

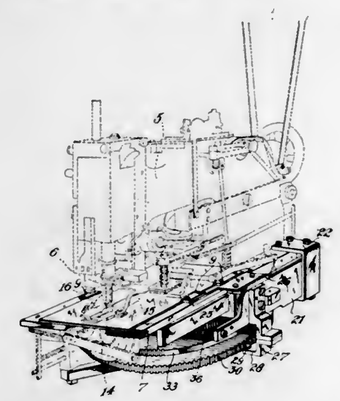
1,461,039. REMOVABLE VALVE SEAT FOR BALL COCKS. FREELAND D. LESLIE, Milton, Mass. Filed Jan. 27, 1921. Serial No. 440,303. 5 Claims. (Cl. 137—104.)

5. In a device of the class described, a tubular member provided with a valve seat at one end and having formed integral therewith a plurality of inwardly extending ribs alternately disposed on the opposite sides of



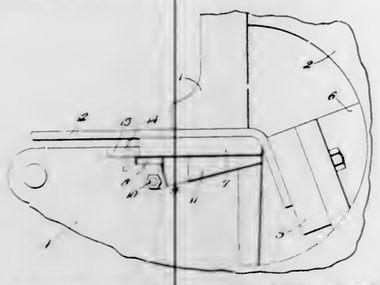
said member with their inner ends at the axis of said tubular member.

1,461,040. BUTTONHOLE-SEWING MACHINE. ARTHUR E. LINDNER, Brooklyn, N. Y., assignor to The L. and H. Special Machine Co., Inc., New York, N. Y., a Corporation of New York. Filed Apr. 27, 1921. Serial No. 464,850. 2 Claims. (Cl. 112—70.)



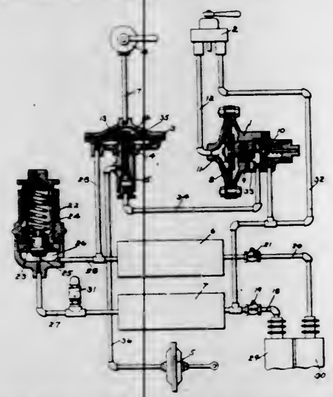
1. In a machine for sewing around the edges of button-holes of key hole shape, in combination with a needle mounted to reciprocate in a constant vertical position, superposed plates, means for holding the material upon the uppermost plate against movement with respect thereto, means for shifting said plates laterally as a unit and additional means operating simultaneously with the first named means to impart a longitudinal shifting movement to the uppermost plate with respect to the lower plate and thereby vary the position of the button-hole in the material with respect to the line of movement of the needle to progressively form a line of stitching around the edge of the button-hole with the individual stitches extending substantially at right angles thereto; said laterally and longitudinally shifting means comprising disk cams in fixed relation one above the other, a spring controlled pivoted arm provided with a dependent bracket carrying a roller engaging the periphery of the primary disk cam, a bed supported slide block provided with a dependant boss engaging the periphery of the secondary disk cam and a pin dependant from said top plate and engaging a groove in the bottom plate and a channel in said block disposed at right angles to said groove, and a spring for holding said boss in contact with said secondary cam.

1,461,041. FLANGING MACHINE. HUGH MCCABE, Lawrence, Mass. Filed July 31, 1922. Serial No. 578,589. 2 Claims. (Cl. 153—16.)



1. A breaker piece for a machine having a flat face to receive the working pressure of a part thereon, and an opposed inclined face supported by another part of the machine correspondingly inclined, the angle of inclination of the faces being such that the coefficient of friction between the inclined faces will be substantially ample to resist the working strains of the machine, and slight means for holding the inclined piece in position.

1,461,042. AUTOMOTIVE BRAKE. WILLIAM C. MCWHIRTER, Wilkinsburg, Pa., assignor to The Westinghouse Air Brake Company, Wilmerding, Pa., a Corporation of Pennsylvania. Filed June 29, 1922. Serial No. 571,649. 4 Claims. (Cl. 303—85.)



1. In a fluid pressure brake, for automotive vehicles, the combination with a service and an emergency reservoir normally in communication and means for cutting off communication from the emergency reservoir to the service reservoir upon a predetermined reduction in pressure in the service reservoir, of a service valve device for normally controlling the supply of fluid from the service reservoir to effect an application of the brakes and an emergency valve device for controlling the supply of fluid from the emergency reservoir to effect an application of the brakes.

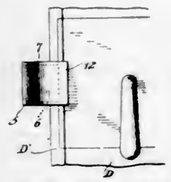
1,461,043. FISHING REEL. WILLIAM C. MOLL, Brooklyn, N. Y. Filed May 7, 1921. Serial No. 467,561. 2 Claims. (Cl. 242—84.6.)

1. A fishing reel comprising a head adapted to be carried by the fishing rod, a relatively short spindle projecting from the head, a reel body received against said head and having an axial opening for the passage of said spindle, said reel body having at its outer side a relatively deep recess communicating with the opening and receiving the spindle end, a removable plate closing the mouth of the recess and having an elongated socket projecting wholly inwardly of said plate and positioned to receive and support the end of the relatively short spindle, an elongated pivot carried by the plate at one side of said socket and projecting into the recess farther than the end of said socket, a detent swingingly secured



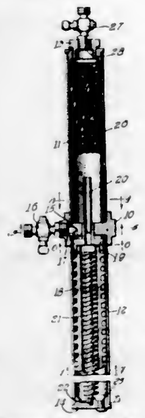
on said pivot and adapted to interlock with the spindle, an elongated operated pin projecting through said plate and into the recess at the opposite side of said socket, said pin being connected with the free end of said detent, said plate being slotted to admit of the movement of the detent, and a spring associated with said pin and with said plate for normally urging the detent into the interlocked position.

1,461,044. PROTECTING DEVICE FOR LATCH PARTS. LEON OTTINGER, New York, N. Y. Filed Oct. 22, 1920. Serial No. 418,706. 7 Claims. (Cl. 70—16.)



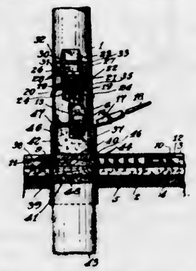
2. A protecting device comprising a hollow casing shaped to the general configuration of the projecting part of a latch bolt when in normal projected position and extending about on all sides and on the end of the latch bolt, said casing adapted to frictionally engage the projecting portion of the bolt to hold the same against creeping or being accidentally moved away from the lock casing.

1,461,045. AIR SEPARATOR. JENS A. PAASCHE, Chicago, Ill. Filed Oct. 24, 1918. Serial No. 259,539. 10 Claims. (Cl. 183—66.)



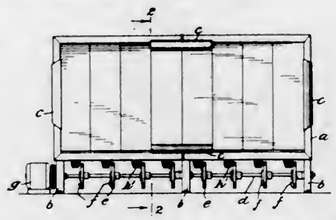
1. An air separator comprising, in combination, two alined upright tubes, an intermediate head closing the adjacent ends of both tubes, heads closing the remote ends of said tubes, said intermediate head having an air inlet opening into the lower tube and having a drain cock opening from the upper tube, the uppermost head having an air outlet and the lowermost head having a drain cock, means in the lower tube for condensing and collecting moisture, and additional collecting means in the upper tube.

1,461,046. METHOD OF RESTORING POLES. FREDERICK W. PATTERSON, Pittsburgh, Pa. Filed May 17, 1919. Serial No. 297,939. 4 Claims. (Cl. 20—100.)



1. In a method for restoring the butts of poles, raising the pole vertically to a point where the decayed portion of said pole is exposed above the surface of the ground, severing the stump and removing the said decayed portion; removing the pole laterally away from its original position, and dressing the ends of the pole and stump to fit a metal tube; lowering the stump to its first position, adjusting the metal tube on the end of said stump and partly filling the tube with tamped earth and cement grout; and returning and lowering the pole to a position within the metal tube thereby displacing some of the cement grout, so that when the grout "sets" a secure bond will be established between the stump, the tube and the pole itself.

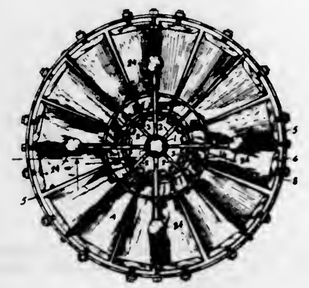
1,461,047. ADVERTISING SIGN. JOSEPH L. RAY, South Orange, N. J. Filed May 25, 1920. Serial No. 384,103. 2 Claims. (Cl. 40—76.)



1. An advertising sign comprising a plurality of parallel rotatable prismatic sections, means to support the sections with one set of faces lying in a plane and the proximate edges of such faces in juxtaposition, means to rotate said sections periodically in predetermined sequence with respect to each other to bring another set of faces into said plane, and means to vary the sequential rotation of said sections to produce a fade-away effect.

1,461,048. WINDMILL WHEEL. NEWMAN A. ROMAN, Deer Trail, Colo., assignor of one-fourth to Leslie J. McKay and one-fourth to Harry Hess, both of Deer Trail, Colo. Filed Apr. 13, 1922. Serial No. 552,174. 1 Claim. (Cl. 170—68.)

A windmill wheel comprising a hub member two annular members of different diameters concentric with the hub and surrounding the same, a plurality of angularly spaced sails pivotally mounted between said annular members, a ring pivotally connected at spaced points to one edge of each sail, a spring secured to said ring and to a stationary portion of the wheel frame and adapted to normally hold the sails at a predetermined angle with respect to the plane of rotation, a pair of diametrically arranged bars, a weight slidably secured to each arm, a spring surrounding each of said bars, an adjustable



abutment for the outer end of the spring, said springs being adapted to yieldingly resist the tendency of said weights to move outwardly due to centrifugal force, a pulley on said bars, a cable passing around said pulley and having one end connected to the ring and the other to the weight whereby the outward movements of the weights will rotate the ring and alter the angle of the sails in accordance with the requirements of the load and the velocity of the wind.

1,461,049. DUSTPROOF AND MOTHPROOF BAG. GEORGE ROTTMAN, New York, N. Y., assignor to Roseth Corporation, Brooklyn, N. Y., a Corporation of New York. Filed Oct. 9, 1920, Serial No. 415,925. Renewed May 7, 1923. 3 Claims. (Cl. 229—53.)

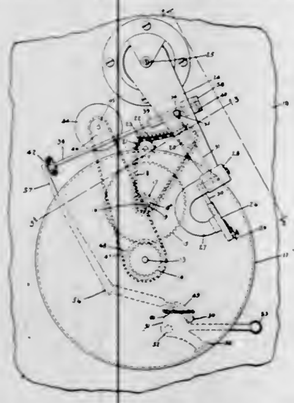


1. A dust-proof bag comprising a body portion and a top closure portion which extends above said body portion when the bag is open, said portions being so creased that the entire bag can be folded flat, means for keeping the top closure portion in a closed and folded position, and flaps secured to the sides of the said bag in a hinge-like manner below the mouth of said bag, the said flaps being creased so that they can be folded when the bag is collapsed into the flat condition, the said flaps being capable of being extended into positions substantially perpendicular to the sides of the said bag so as to maintain the said body in the extended position.

1,461,050. AUTOMATIC STOP FOR PHONOGRAPHS. GEORGE L. SCHUETZ, Zionsville, Ind. Filed Sept. 16, 1921. Serial No. 501,152. 10 Claims. (Cl. 192—118.)

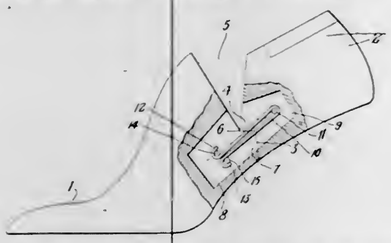
1. A device for arresting the playing of a phonograph record, including a sound reproducing medium adapted to engage said record, engaging and stopping means for arresting the movement of said record, an endless

traveling member arranged to travel at a speed equal to the movement of said medium, and means on said



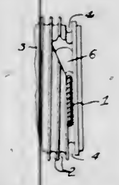
member for causing the actuation of said stopping means upon a variation of speed between said member and sound reproducing medium.

1,461,051. LAST. CLINTON M. SEARL, Portsmouth, Ohio, assignor to The Vulcan Last Company, Portsmouth, Ohio, a Corporation of Ohio. Filed Apr. 14, 1922. Serial No. 552,612. 7 Claims. (Cl. 12—136.)



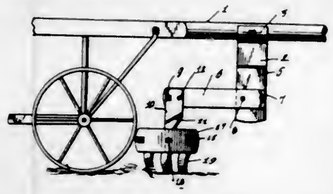
1. A last divided transversely into a toe part and a heel part, a link, a pin for preventing displacement of one end of said link with respect to one last part, projections on the opposite end of said link, and a pair of pins cooperating with said projections for preventing displacement of this end of the link, one of said pair of pins cooperating with one projection when the last is extended and the other pin cooperating with the other projection when the last is collapsed.

1,461,052. HOIST. WILLIAM E. SIMPSON, Detroit, Mich. Filed Aug. 27, 1920. Serial No. 406,303. 5 Claims. (Cl. 242—117.)



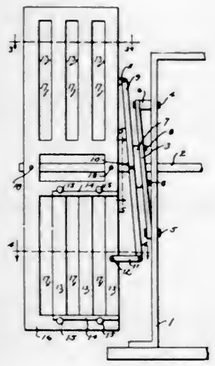
1. In a hoist, the combination with a winding drum, of a flexible hoisting element, a spiral groove in said drum adapted to receive a plurality of convolutions of said element and terminating in a recess, and an enlarged portion on said flexible element adapted to engage in said recess, said enlarged portion being insertable into said recess from the exterior of said drum and being adapted to be secured therein by a convolution of said flexible element in said groove.

1,461,053. CULTIVATOR HARROW. OTTO V. VANICEK, Temple, Tex. Filed Oct. 10, 1921. Serial No. 506,691. 2 Claims. (Cl. 97—8.)



1. In combination with a cultivator, a plurality of downwardly extending diverging supporting members arranged to be secured to the beam of the cultivator, horizontally disposed arms pivotally secured to the lower end of the said supporting members and extending rearwardly therefrom, downwardly extending arms pivotally secured to the outer ends of the first mentioned arms, the said last mentioned arms being bent at an angle to the first mentioned arms, tooth carrying members secured to the lower ends of said last mentioned arms and extending inwardly and rearwardly toward each other.

1,461,054. PROPELLER. EDWARD VOGE, West Alexandria, Ohio. Filed Mar. 2, 1922. Serial No. 540,621. 3 Claims. (Cl. 170—28.)

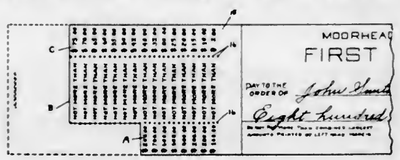


1. In combination, a propeller, a shaft upon which the propeller is mounted, an opening in either end of the propeller in the body thereof, a shutter on either end thereof to close said opening, means mounted upon the propeller shaft and rotating therewith to automatically operate the shutter intermittently to opened and closed position at different points in the revolution of the propeller, said operating means being adapted to rotate with said shaft, and means located adjacent the propeller shaft to cause the operating means to rock.

1,461,055. CHECK-PROTECTING MEANS. GEORGE L. WALKER, Moorhead, Minn. Filed Mar. 20, 1922. Serial No. 545,011. 1 Claim. (Cl. 283—12.)

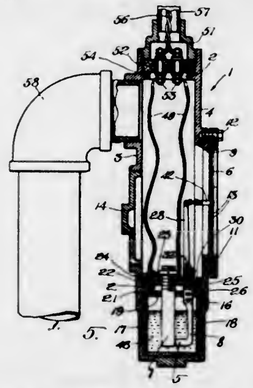
A check book holder having a pocket adapted to slidably receive a check book, and a cutting device at the opening

of the pocket, one wall of said pocket having a transverse slot adjacent to said cutting device, and said cutting



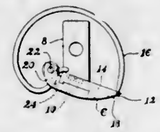
device having a rearwardly projecting edge extending slightly into said slot.

1,461,056. SIGNALING APPARATUS. WILLIAM L. WALKER, New York, N. Y., assignor to Walker Signal and Equipment Corporation, New York, N. Y., a Corporation of Delaware. Filed June 22, 1917. Serial No. 176,299. 20 Claims. (Cl. 177—386.)



14. Signaling apparatus comprising a diaphragm, a pair of opposed electrodes, and flexible means for connecting one of the electrodes to the diaphragm so that the electrode may have some movement transverse to the direction of vibration of the diaphragm.

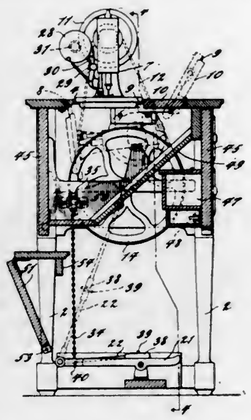
1,461,057. TACK-PULLING DEVICE. FRANK H. WARREN, Swampscott, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J., a Corporation of New Jersey. Filed July 15, 1919. Serial No. 311,042. 17 Claims. (Cl. 12—16.)



1. A tack pulling device having, in combination, a tack pulling member, and independent means engaging the head of a tack for ejecting the tack from said member.

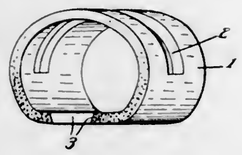
1,461,058. SEWING-MACHINE DRIVING MECHANISM. LOUIS WELKER, Jr., Williamsport, Pa., assignor to The New Home Sewing Machine Company, Orange, Mass., a Corporation of Massachusetts. Filed Apr. 4, 1921. Serial No. 458,182. 8 Claims. (Cl. 45—27.)

1. In combination, a sewing machine stand having a table top, a sewing machine having a driving pulley, means supporting said machine for movement from an operative position above the table to an inoperative position below the same, a driving wheel and support therefor below the table, the driving wheel being laterally adjustable on its support from a driving position in alignment with the machine pulley when the machine is raised to



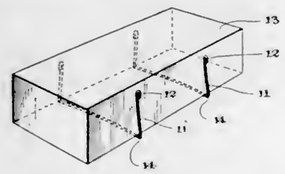
an inoperative position at one side of the path of movement of the machine pulley when the machine is being lowered, a driving connection from the driving wheel to the machine pulley, and operating means for the driving wheel.

1,461,059. RING TRAVELER. PHILIP C. WENTWORTH, Providence, R. I. Filed Apr. 21, 1922. Serial No. 555,930. 11 Claims. (Cl. 118—61.)



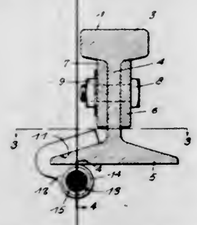
1. A hardened and tempered ring traveler comprising a bow and terminal horns, the tempering effect being greater in the bow portion than in the horns, and the horns having greater hardness than said bow.

1,461,060. SPACER FOR PAVING BLOCKS. WALLACE PERCY WHITNEY, Springfield, Ill. Filed July 26, 1921. Serial No. 487,580. 8 Claims. (Cl. 94—11.)



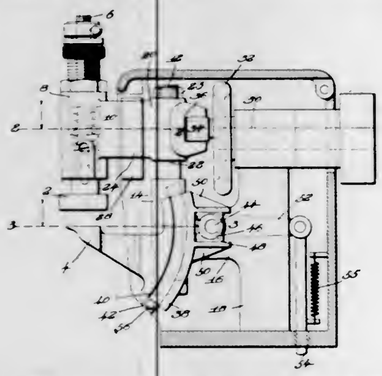
1. In combination with paving blocks, a spacer comprising a substantially U-shaped member having its leg portions slightly bent toward each other and adapted to receive a paving block therebetween and said member having its bridge portion adapted to extend from the paving block and thereby to provide a spacer for said paving block upon opposing sides thereof.

1,461,061. RAIL BOND. THOMAS HAULTON, Johnstown, Pa. Filed Sept. 15, 1919. Serial No. 323,757. 1 Claim. (Cl. 173—278.)



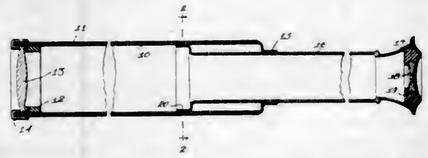
The combination with a pair of alined rail sections, of a bond electrically connecting the rail sections and comprising a pair of terminal elements clasped around one edge of the base flanges of the rail sections, said elements being made of malleable metal of a low degree of conductivity and being in the form of substantially C-shaped clips having flat substantially rectangular shaped upper members and enlarged lower members disposed respectively above and below the base flanges of the rail sections, said members being relatively arranged normally at a smaller angle than the angle between the upper and lower surfaces of the base flanges of the rail sections and being spread into clasping engagement with the base flanges of the rail sections by said clips being forced upon one edge of said base flanges, the said upper members being of such a width as to extend under the heads of the rail sections and being welded only along their inner edges to the base flanges of the rail sections, whereby said clips can be easily separated from the base flanges of the rail sections by cutting them along the inner edges of their said upper members, the said lower members being provided near their inner edges with longitudinally extending openings, and a flexible conductor located entirely beneath the base flanges of the rail sections and connecting said clips and having its ends disposed in said openings and welded to said lower members, said conductor being of a metal of a comparatively high degree of conductivity.

1,461,062. WELT-BEATING MACHINE. FRED N. LA CHAPELLE, Beverly, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J., a Corporation of New Jersey. Filed Apr. 15, 1921. Serial No. 461,557. 10 Claims. (Cl. 12—67.2.)



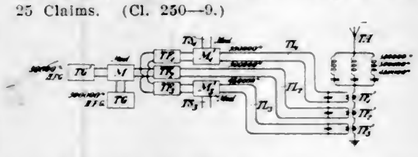
1. A welt beating machine having, in combination, an anvil, a reciprocating hammer to cooperate with the anvil to beat out a welt, and means for relatively adjusting the hammer and anvil during the operation of the machine to vary the angular relation of the working faces of the hammer and anvil.

1,461,063. TELESCOPE. MICHAEL LICHTMAN, New York, N. Y. Filed Dec. 15, 1920. Serial No. 430,819. 1 Claim. (Cl. 88—32.)



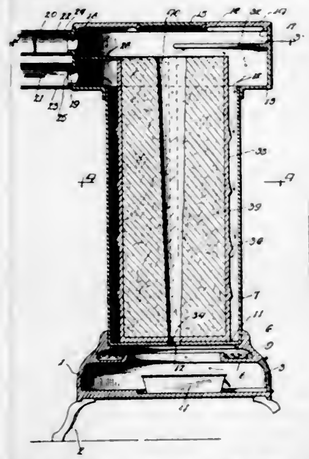
A telescope comprising inner and outer telescoping sections formed of stamped metal, an off-set flange of larger diameter formed on one end of the inner section and bent parallel to the inner surface of the outer section, said flange having a substantial length to form a bearing surface, and a ringlike flange of smaller diameter on the opposite end of the outer section to form the bearing for the inner section, the said second flange bent parallel to the outer surface of the inner section and having a substantial length to form said bearing.

1,461,064. MULTIPLEX TRANSMISSION CIRCUIT. DE LOSS K. MARTIN, Orange, N. J., assignor to American Telephone and Telegraph Company, a Corporation of New York. Filed Feb. 10, 1921. Serial No. 443,930. 25 Claims. (Cl. 250—9.)



1. The method of multiplex signaling which consists in generating a plurality of carrier frequencies by modulating one frequency in accordance with another frequency, selecting certain of the resultant frequencies and modulating certain of the selected frequencies in accordance with signaling frequencies.

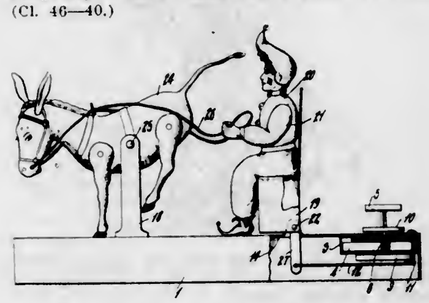
1,461,065. STOVE. SOLON P. MASSEY, Denver, Colo. Filed June 24, 1922. Serial No. 570,554. 4 Claims. (Cl. 126—225.)



1. In a stove, the combination of a drum, a hopper removably fitted within the drum, diametrically opposite ribs upon the hopper constituting baffles between the hopper and the drum and maintaining the hopper in

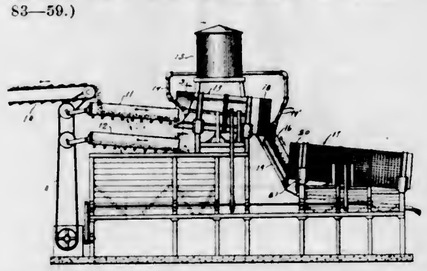
spaced relation to the drum, said ribs terminating short of the lower end of the hopper, upper and lower flues extending from the drum, and a horizontal partition within the drum extending from the wall of the drum at a point between said flues to the ribs on the hopper.

1,461,066. TOY. CALVIN C. MILLER, Summit Hill, Pa. Filed May 6, 1920. Serial No. 379,313. 2 Claims. (Cl. 46—40.)



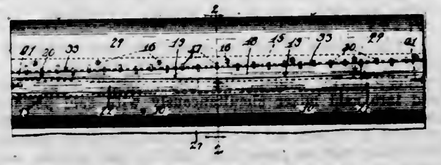
1. In a device of the class described, the combination of a frame, a motor carried by the frame, a primary figure rockably mounted on said frame and actuated by the motor, a secondary figure rockably mounted off center on the frame so that it will be normally in a forward rocked position, and flexible means for connecting said primary figure to said secondary figure so that the former will pull the latter to a rearward position when the former is actuated by said motor.

1,461,067. APPARATUS FOR TREATING SAND AND GRAVEL. ROBERT W. MOSER, Robbinsdale, Minn. Filed Mar. 11, 1922. Serial No. 542,821. 4 Claims. (Cl. 83—59.)



1. The combination with an inclined chute, of a rotatable gravel washer discharging at the head of the chute, a grading screen at the discharge end of the chute, and means between the washer and screen for directing water toward the chute to rinse the material received thereon from the discharge end of the washer.

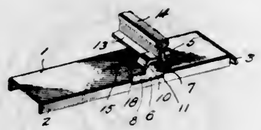
1,461,068. PRINTING ROLLER. THEODORE REGENSTEINER, Chicago, Ill. Filed July 29, 1922. Serial No. 578,310. 8 Claims. (Cl. 101—415.1.)



1. A printing roller of the character described comprising in combination a cylindrical core, a thin and flexible

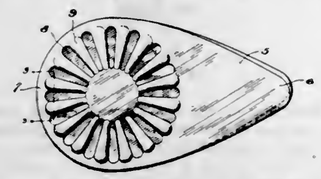
sheet around the core, said sheet having a continuous outer surface, and means for holding the end portions of the sheet in abutment with each other in a continuous line extending from one side edge of the sheet to the other thereof and with the abutting ends readily separable from each other and with a substantially ink tight joint.

1,461,069. RAILROAD MINE TIE AND RAIL FASTENER. THOMAS RICHARDS, Sr., Portage, Pa. Filed Apr. 17, 1922. Serial No. 553,400. 1 Claim. (Cl. 238—60.)



In combination with a railroad tie formed of a substantially channel iron construction, the tie having a substantially L-shaped slot formed therein, the transverse portion of the L-shaped slot extending across the upper face of the tie and terminating short of one side edge thereof, one end of the L-shaped slot constituting an abutment, the longitudinally extending portion of the L-shaped slot extending down through a portion of one side of the tie, a rail engaging portion carried by the tie and adapted to engage a rail, a pivotally mounted rail clamp pivotally secured to the under face of the tie and extending through the slot and being capable of being swung into and out of engagement with a rail through said slot, and means extending through the tie and through the clamp for locking the rail clamp in firm engagement with the tie.

1,461,070. PICK FOR STRINGED INSTRUMENTS. PETER M. RUDESYLE, Passaic, N. J. Filed Sept. 22, 1919. Serial No. 325,469. 6 Claims. (Cl. 84—322.)



6. As a new article of manufacture, a pick for stringed instruments provided with elongated raised and depressed surfaces on each side thereof radiating from a common center, and in close proximity presenting an undulating surface, and terminating short of said common center to present a smooth surface upon either side of the pick, within that encompassed by the said raised and depressed surface.

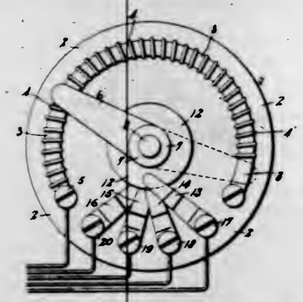
1,461,071. OPHTHALMIC MOUNTING. ELMER L. SCHUMACHER, Southbridge, Mass., assignor to American Optical Company, Southbridge, Mass., a Voluntary Association of Massachusetts. Filed Jan. 19, 1922. Serial No. 530,278. 6 Claims. (Cl. 88—47.)



1. The process of mounting a lens in a non-metallic frame, consisting in forming a rim with a lens receiving groove, displacing a portion of the wall of the groove,

causing the wall to set in displaced position, inserting a lens within the groove, and subsequently restoring the displaced portion of the frame to its original position to secure the lens therein.

1,461,072. RHEOSTAT WITH AUXILIARY CONTACT SYSTEM. DAVID HARRISON SHERIFF, Jr., Kansas City, Mo. Filed Dec. 4, 1922. Serial No. 604,820. 9 Claims. (Cl. 219—55.)



1. In a rheostat wherein is provided a rotary spindle and means cooperating therewith for varying the resistance in circuit; a set of auxiliary contacts, and means bringing the same into action.

1,461,073. OPHTHALMIC MOUNTING. HARRY H. STYLL, Southbridge, Mass. Filed Mar. 12, 1920. Serial No. 365,184. 2 Claims. (Cl. 88—50.)



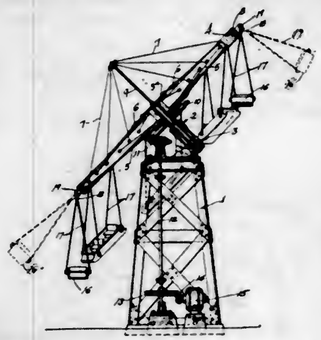
1. A mounting of the character described comprising a bridge having a post rising therefrom provided with threaded ends, a guard lever and a securing device for the guard lever having a bearing portion encircling the post and projecting through the guard lever, having a steadying portion laterally engaging the lever and an upwardly projecting spring receiving portion, said spring receiving portion being interiorly threaded to lockingly engage the post.

1,461,074. LENS-MARKING DEVICE. EDGAR D. TILLYER and JOHN F. WIXTED, Southbridge, Mass., assignors to American Optical Company, Southbridge, Mass., a Voluntary Association of Massachusetts. Filed Aug. 11, 1922. Serial No. 581,243. 4 Claims. (Cl. 41—20.)

1. An ophthalmic lens having normally invisible markings thereon rendered visible when moistened and means to retain said markings in a visible state.

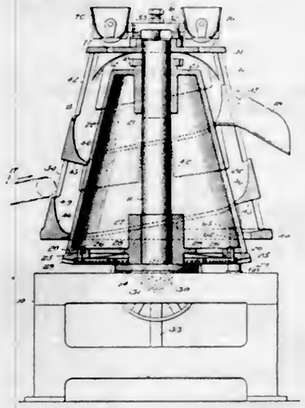
1,461,075. AMUSEMENT DEVICE. DOMENICO TUSO, Burbank, Calif. Filed Nov. 11, 1920. Serial No. 423,324. 2 Claims. (Cl. 46—27.)

2. An amusement device comprising a support, an inclined bearing sustained on the support, a shaft journaled in the bearing, a wheel fixed to the shaft, a gear fixed to the shaft between the wheel and bearing, a second shaft disposed vertically within the support, driving means operatively connected to the second shaft, a gear fixed to the second shaft and meshing with the first gear whereby rotation of the wheel is effected, extensions projecting radially from the periphery of the wheel, elements en-



gaging the extensions, and passenger carrying members sustained from the elements so as to be normally disposed in a vertical plane.

1,461,076. DOUGH ROUNDING-UP MACHINE. FRANK H. VAN HOUTEN, Beacon, N. Y., assignor to Dutchess Tool Company, Beacon, N. Y., a Corporation of New York. Filed Oct. 16, 1920. Serial No. 417,469. 11 Claims. (Cl. 107—9.)

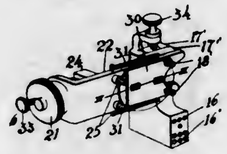


2. In a dough machine, a cone-shaped drum, a spiral molding fence surrounding said drum and having a delivery exit, driving means for rotating said drum, and means for locating said fence with respect to said driving means as to deliver the dough balls in any chosen direction with respect to said driving means.

1,461,077. PROCESS OF MAKING SUPERPHOSPHATES. HYLEMAN ALISON WEBSTER, Columbia, Tenn. Filed May 20, 1922. Serial No. 562,557. 7 Claims. (Cl. 71—7.)

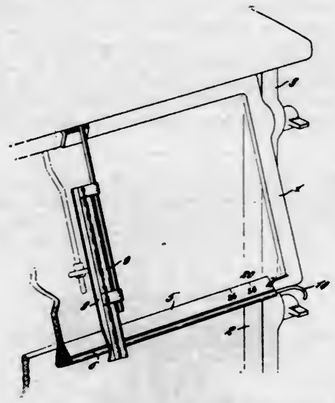
1. The process of making superphosphates which consists in finely subdividing phosphate rock to form a powder; flowing said powder into a mixer; flowing an acid into said mixer simultaneously with said powder, the weight of said acid being less than that theoretically required to convert all the tri-calcium phosphate present into mono-calcium phosphate; mixing said powder and acid into a mass; and eliminating free water present in the mass, substantially as described.

1,461,078. LENS HOLDER. ARTHUR A. ARNOLD, Southbridge, Mass., assignor to American Optical Company, Southbridge, Mass., a Voluntary Association of Massachusetts. Filed Oct. 26, 1916. Serial No. 127,811. 1 Claim. (Cl. 51—217.)



A lens holder for use in slotting lenses, including a base block provided with means for attaching the same, a bracket rising from the block and carrying a guide bar, a stop rigidly secured on the bar, a lens holding member, a guide lug carried by said holding member for sliding movement on the bar, pins carried by the holding member for engaging the lens, an actuating spring on the bar intermediate the stop and the holder guide lug for inwardly actuating the holder, and means for predetermining the limit of the inward movement of the holder.

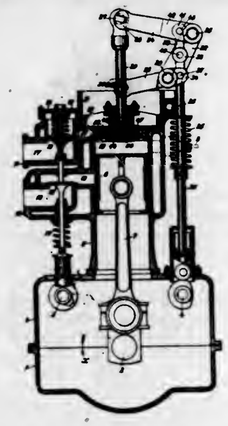
1,461,079. WEATHER STRIP. ALBERT B. BEITMAN, Cleveland, Ohio. Filed July 27, 1920. Serial No. 399,357. 6 Claims. (Cl. 296—93.)



1. A weather strip for windshields comprising a channel member designed for attachment to the edge of the windshield pane and having a water collecting groove within the plane of the front surface of its outer flange.

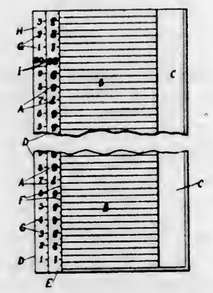
1,461,080. TWO-CYCLE INTERNAL-COMBUSTION ENGINE. CARL BERGER, Karlsbad, Czechoslovakia. Filed Apr. 4, 1922. Serial No. 549,599. 4 Claims. (Cl. 123—48.)

4. In a two cycle internal combustion engine having an auxiliary piston for effecting the exhaust of the products of combustion and suction of the fuel air mixture, a second auxiliary piston (21), serving as a head for the main cylinder (5) and moving in a cylinder (9) placed on top of the main cylinder, a non-circular disc (4) driven from the engine shaft (2) actuating a resiliently supported rod (36) movably connected to the second auxiliary piston (21) by a lever (28), levers (39, 24) movably connecting the resiliently supported rod (36) to a valve in the auxiliary piston (19), providing the disc (46) of the valve in said piston with a central pillar (49) for guiding the disc in the auxiliary piston and also with two hooked uprights (47) engaging with cams (52) movably arranged on either side of a cross stay (44) of the auxiliary piston (19) and a cam (3) driven from the engine shaft (2)



actuating the resiliently supported spindle of the exhaust (12) and suction-valve (13), for the purpose set forth in the specification.

1,461,081. CORRECTION OF TYPE IN PRINTERS' GALLEYS. THOMAS BURDEN, Warrnambool, Victoria, Australia. Filed Sept. 11, 1922. Serial No. 587,575. 8 Claims. (Cl. 101—400.)

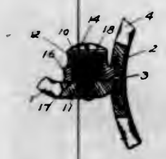


1. A device for the purpose indicated comprising means for printing a vertical row or column of index characters on the proof sheet simultaneously with the printing of the transverse lines of reading matter thereon, and a type line locator having a second vertical row or column of index characters adapted for disposition beside the lines of set-up type, the characters of said second column occupying substantially the same position relative to the lines of type as said printed index characters occupy in relation to the printed lines of the proof sheet.

1,461,082. OPHTHALMIC MOUNTING. CHARLES O. COZZENS, Southbridge, Mass., assignor to American Optical Company, Southbridge, Mass., a Voluntary Association of Massachusetts. Original application filed Nov. 24, 1917, Serial No. 203,770. Divided and this application filed Sept. 17, 1920. Serial No. 410,921. 5 Claims. (Cl. 88—50.)

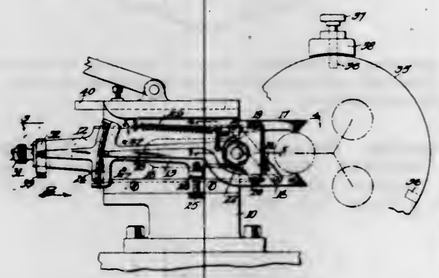
5. A combination frame including a split metallic frame member, a bridge secured to one end of said frame member, a sleeve carried by the other end of said frame member, a non-metallic frame member extending around the

metallic frame member, means for uniting one end of the non-metallic frame member with the bridge and the opposite end with the sleeve, means for securing the



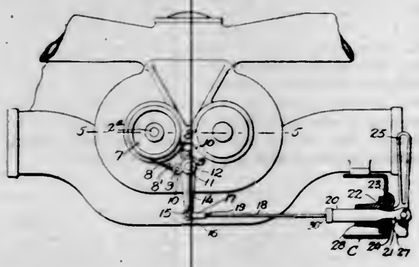
sleeve and bridge together to unite the parts, and a fingerpiece actuating mechanism pivoted to the bridge and contained and concealed within the sleeve.

1,461,083. INDICATING DEVICE. MARK H. DAMERELL, Worcester, Mass., assignor to Wyman-Gordan Company, a Corporation of Massachusetts. Filed Dec. 2, 1919. Serial No. 341,945. 5 Claims. (Cl. 33—148.)



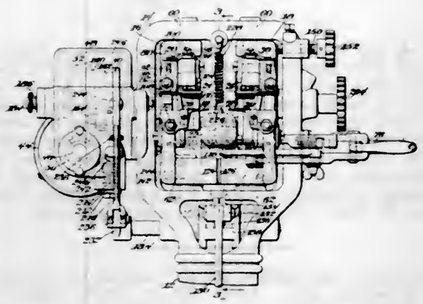
1. An indicating device having in combination a movable support, a pair of contact members mounted on said support, an indicating device connected to said members and effective to indicate the diameter of the work, and a second indicating device effective to simultaneously indicate the transverse position of the work relative to said support, both indications being on substantially enlarged scales.

1,461,084. BRAKING ATTACHMENT. JOSEPH L. DEVON, Atlanta, Ga. Filed Aug. 15, 1921. Serial No. 492,304. 1 Claim. (Cl. 188—77.)



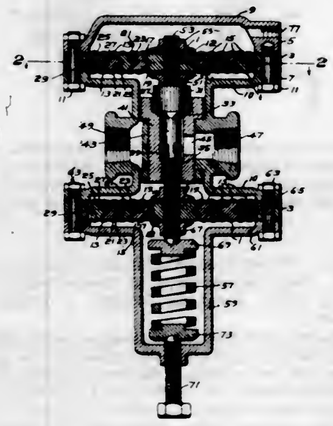
The combination with the chassis of a road vehicle, said chassis including a longitudinally extending channel-bar, of a rotating shaft carried by said chassis, a brake-band for said shaft, a pivoted rocker to which the free ends of said brake-band are secured, a pull-rod secured to said rocker, a tubular member loosely projecting through said channel-bar and resiliently connected with said pull-rod, a hand-lever pivotally secured to said tubular member and having a cam face bearing against said channel-bar, and a guide-member secured to said channel-bar and having a cylindrical bore through which said tubular member projects.

1,461,085. MACHINE FOR OPERATING ON SHOE BOTTOMS. EDWARD ERICKSON, Beverly, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J., a Corporation of New Jersey. Filed Apr. 15, 1918. Serial No. 228,544. 17 Claims. (Cl. 12—67.)



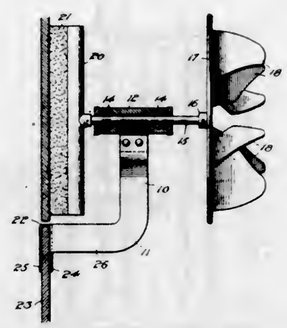
1. A welt-butting machine having, in combination, a welt support for engaging a welted unsoled shoe beneath the end of the welt, a movable supporting arm, a welt-butting cutter carried thereby, and means for actuating said supporting arm to cause said cutter to butt the welt upon said support in substantially a straight line and to return it to initial position in a curved path.

1,461,086. DIAPHRAGM DEVICE. MILTON A. FESLER, Oakland, Calif., assignor to Petroleum Heat and Power Company, a Corporation of Delaware. Filed July 2, 1920. Serial No. 393,647. 10 Claims. (Cl. 236—26.)



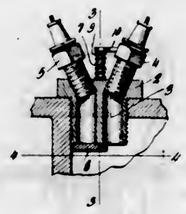
10. A device of the character described, comprising, in combination, a pair of spaced diaphragms, means to confine the margins of said diaphragms, and a plurality of members interposed between said diaphragms having provision to limit relative movement of said members on flexion of the diaphragms in either direction.

1,461,087. WINDSHIELD CLEANER. ARTHUR L. FITZ GIBBON, Washington, D. C. Filed Apr. 15, 1922. Serial No. 553,065. 3 Claims. (Cl. 15—253.)



1. In a wind shield cleaner, a wiper mounted for rotation in contact with the glass of said shield, an air operated fan coaxial therewith, and means operatively connecting said fan and wiper so that the fan will rotate the wiper.

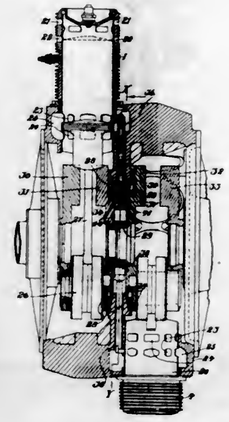
1,461,088. IGNITION DEVICE FOR INTERNAL-COMBUSTION ENGINES. ERNEST ALLEN GOSNELL, Burkburnett, Tex. Filed Nov. 30, 1921. Serial No. 518,905. 3 Claims. (Cl. 123—169.)



1. In combination with a cylinder of an internal combustion engine, a plug threadedly mounted therein adjacent its side wall and provided with two or more ports extending therethrough and having threads at their upper ends, sparking devices mounted in the threaded ends of the ports, a valve plate mounted on the bottom face of the plug for closing either of the plugs thereof and means for rotating the plate, said plate being pivotally mounted so as to abut the side wall of the cylinder when closing one of the ports in the manner and for the purpose specified.

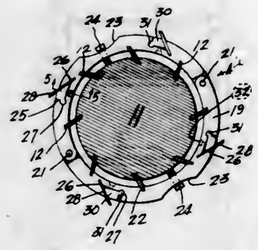
1,461,089. INTERNAL-COMBUSTION ENGINE. JOHN WALLACE HALL, Feltham, England. Filed Mar. 4, 1920. Serial No. 363,357. 6 Claims. (Cl. 123—44.)

1. In a four stroke cycle internal combustion engine, a series of exhaust and scavenging ports arranged around the high pressure end of the combustion space of each cylinder, a reciprocable sleeve valve taking bearing on each respective cylinder wall, and means for reciprocating said sleeve valve, so that the exhaust and scavenging ports are maintained open during the whole of each exhaust stroke, and for approximately the first half of each following induction stroke, comprising, juxtaposed discs coaxially mounted, and provided on their opposed faces with complementary groove paths, a rod connected to



said sleeve valve and a shuttle member carried by said rod and adapted to be actuated alternately by each groove path, and means for simultaneously rotating said discs.

1,461,090. WOODCUTTER SIZER HEAD. HANS K. HANSEN, San Pedro, Calif. Filed Oct. 6, 1921. Serial No. 505,754. 6 Claims. (Cl. 144—218.)

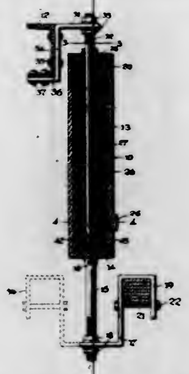


1. The combination with a rotary cutter head, of a ring shaped member, means for clamping said ring shaped-member upon the rotary cutter head, a series of blades detachably seated in said ring-shaped member, and projecting beyond the periphery thereof, and means for clamping said blades to said ring-shaped member.

1,461,091. VEHICLE SHOCK ABSORBER. GEORGE HENLEY, Edenburg, Pa. Filed May 10, 1921. Serial No. 468,416. 10 Claims. (Cl. 188—101.)

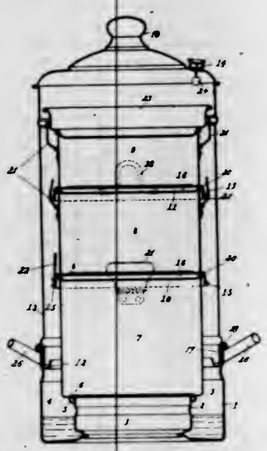
1. In a shock absorber for automobiles, a cylinder, a rod-like plunger operating therein, a mixture of graphite and cup grease in said cylinder, right angularly related friction and resistance producing projections on the plunger, and means to connect one end of the cylinder and the plunger at the opposite end to independently mov-

able parts of the automobile, certain of said projections of the plunger, comprising flukes pivoted to the plunger and tapered in width and thickness toward their free ends,



said flukes being adapted to open in one direction of movement of the plunger and to close against the plunger upon opposite movement thereof.

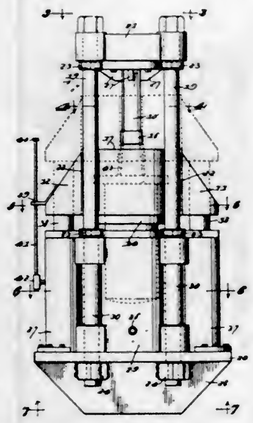
1,461,092. COOKING DEVICE. MILAN IVANCIC, deceased, late of Klichberg, Switzerland; by Alma Ivancic, administratrix, Zurich, Switzerland. Filed June 30, 1920. Serial No. 393,150. 4 Claims. (Cl. 53—2.) (Granted under the provisions of the act of Mar. 3, 1921, 41 Stat. L., 1313.)



1. A cooking device comprising in combination an annular vessel, a hood placed on said vessel, a plurality of smaller vessels arranged superposed on the central portion of said annular vessel.

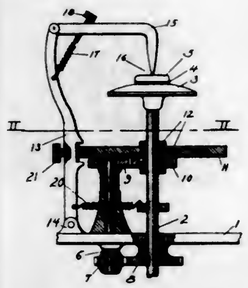
1,461,093. HYDRAULIC SALT PRESS. GEORGE KERSHNER, Hutchinson, Kans. Filed Nov. 10, 1919. Serial No. 336,967. 18 Claims. (Cl. 100—50.)

1. A hydraulic press for forming salt blocks having relatively movable members combining to bound a forming space subject to reduction in capacity to compress a contained substance, and represented respectively by a lateral restraining wall and terminal opposed elements, one of which elements is adapted to progress into the space bounded laterally by the wall member, and means for successively causing said elements to approach each



other to define a predetermined length of forming space and then retain said relation during a continued progress of said first named element into the space.

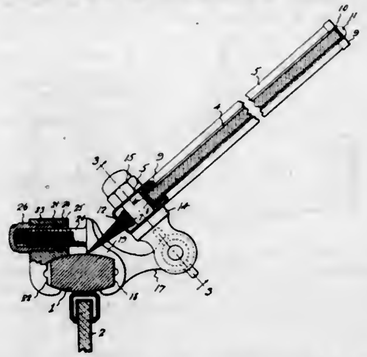
1,461,094. LENS GRINDER. ARTHUR PELLOW, Southbridge, Mass., assignor to American Optical Company, Southbridge, Mass, a Voluntary Association of Massachusetts. Filed Dec. 4, 1919. Serial No. 342,392. 4 Claims. (Cl. 51—124.)



3. A lens grinding machine, including a support, a rotatable shaft and a pivoted arm carried by the support and projecting therefrom in spaced relation, said members having substantially aligned portions for engagement with a grinding tool and a lens holder, means for swinging the arm about its pivot in a direction toward the shaft, a former on the shaft for limiting the movement of the arm in the direction of the shaft, and driving connections between the former and shaft to insure their concomitant rotation.

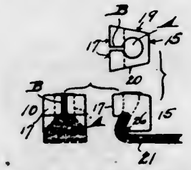
1,461,095. WINDSHIELD. ABRAM MORITZ REINER, Cleveland, Ohio. Filed May 7, 1921. Serial No. 467,719. 3 Claims. (Cl. 296—84.)

1. The combination, with a standard, of a support adjustably connected thereto, a wing comprising a frame having channels in the front and rear edges thereof, a pane of transparent material mounted in the rear channel, a strip of flexible material mounted in the front channel and adapted to extend across and close the space between the said frame and the said standard, and means for pivotally supporting the said wing from the said



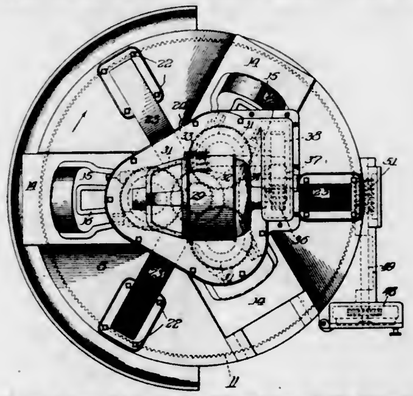
support, the said supporting means comprising one or more bolts extending through the said frame between the channels thereof.

1,461,096. BOW FOR MUSICAL INSTRUMENTS. CHARLES D. RIGG, Altoona, Pa. Filed Jan. 13, 1921. Serial No. 437,002. 2 Claims. (Cl. 84—282.)



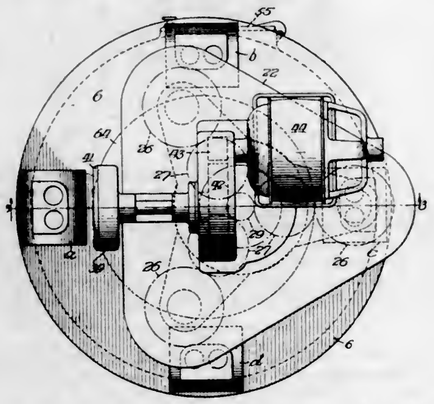
1. A tip mounting for the hair of a violin bow consisting of a tip body having an opening therein arranged at right angles to the bow string position and also provided with a slot intersecting said opening, and a shoulder formed on the body at one end of the opening and over which the hairs of the bow string may be distributed when the tip is in place.

1,461,097. CIRCULAR MILLING MACHINE. HOWARD C. ROSE and ALEXANDER OBERHOFFKEN, Detroit, Mich., assignors to Ingersoll Milling Machine Company, Rockford, Ill., a Corporation of Illinois. Filed Aug. 15, 1921. Serial No. 492,425. 13 Claims. (Cl. 90—21.)



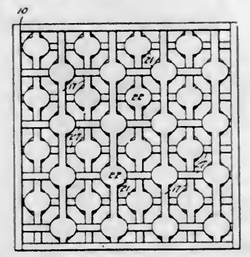
1. In a circular milling machine, the combination of a rotatable work carrier, a tool carrier immovable relatively to said work carrier, means for rotating said carriers as a unit, and means for causing a relative movement between the work and the tools carried by said respective carriers, during the rotation thereof, said means comprising work supports slidably mounted on said work carrier and means for reciprocating said supports transversely of the axes of said tools.

1,461,098. MILLING MACHINE. HOWARD C. ROSE and ALEXANDER OBERHOFFKEN, Detroit, Mich., assignors to Ingersoll Milling Machine Company, Rockford, Ill., a Corporation of Illinois. Filed Aug. 15, 1921. Serial No. 492,426. 9 Claims. (Cl. 90—21.)



1. In a milling machine, the combination of a rotatable work carrier, a rotatable tool carrier, and a plurality of tools carried thereby, said carrier being arranged to cause a relative movement between said tools and said work carrier in a direction oblique to the radii of said work carrier intersecting said work.

1,461,099. EGG CRATE. NICHOLAS SANDOR, Dresden, Germany. Filed Oct. 28, 1921. Serial No. 511,212. 11 Claims. (Cl. 217—22.)



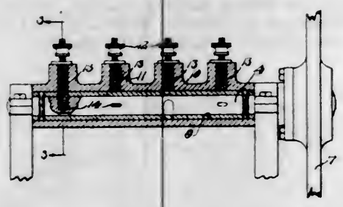
1. A cell-forming partition adapted to co-operate with other exactly similar partitions to form a plurality of cells each partition consisting of a pair of parallel side walls with integral top and bottom walls, said bottom wall being unbroken throughout the length of the partition.

1,461,100. METHOD OF TREATING FILAMENTS FOR INCANDESCENT ELECTRIC LAMPS. HARRY H. SMITH, Newark, N. J., assignor to Westinghouse Lamp Company, a Corporation of Pennsylvania. Filed Dec. 19, 1917. Serial No. 207,851. 5 Claims. (Cl. 176—132.)

1. The method of treating a refractory metallic filamentary body of tungsten or equivalent metal containing

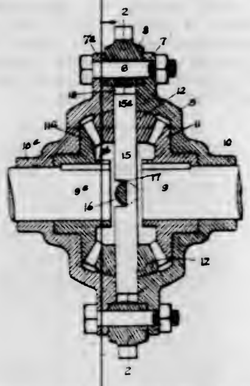
crystal growth directing ingredients, which consists in heat-treating said body according to a predetermined seasoning schedule that will cause the development of crystals having considerable length, so arranged as to overlap or interlace with each other.

1,461,101. ELECTRICAL DISTRIBUTOR. WILLIAM B. STEARNS, Milton, Mass. Filed Apr. 25, 1922. Serial No. 556,364. 13 Claims. (Cl. 200—32.)



11. An electrical distributor comprising a stationary part, a rotatable part within said stationary part and having an outer face in sliding contact with a complemental face on said stationary part, means in said parts for successively closing an electric circuit comprising spaced contact members in the form of mercury trapped in openings in the opposed faces of said parts and adapted to be in registration in certain positions of said parts.

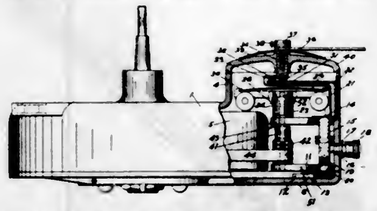
1,461,102. DIFFERENTIAL GEAR. JAMES HERVEY STERNBERGH, Reading, Pa. Filed June 3, 1921. Serial No. 474,608. 1 Claim. (Cl. 74—99.)



In differential gearing mechanism, a divided drive shaft having gear-carrying ends spaced apart to permit the location therebetween of a radial-armed pinion carrier, a driven casing therefor provided with radial bearing-recesses, and a pinion carrier comprising two bars engagingly crossed at the shaft axis between said spaced-apart shaft ends and forming pinion-carrying arms arranged in a common plane and adapted to enter said bearing recesses.

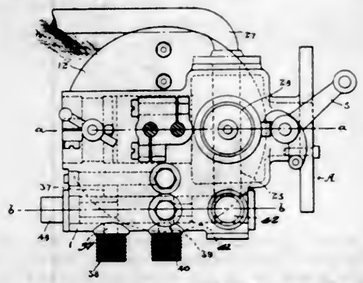
1,461,103. GOVERNOR FOR ELECTRIC CIRCUITS. EDWARD J. TOMLINSON, Newark, N. J., assignor to Splitdorf Electrical Company, Newark, N. J. Filed June 8, 1920. Serial No. 387,496. 9 Claims. (Cl. 171—222.)

1. In a governor for an electrical circuit, the combination of a plurality of plates and means for supporting the same, a rotatable shaft carried by said plates and having at one end a collar, a plurality of arms pivoted to said collar, said arms having weights at their outer ends and stop fingers at their other ends to engage said collar, a member carried by and between the outer



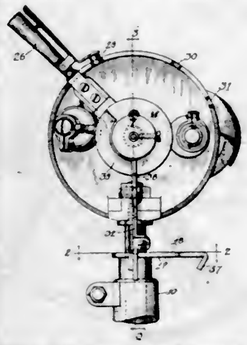
ends of said arms, a spring in operative engagement with said member and carrying a contact, a second spring carrying a contact to co-operate with the first mentioned contact and means for adjusting the position of the second contact with reference to the first.

1,461,104. CARBURETOR. ADOLF AEBERLI, Toronto, Ontario, and WILHELM DREYER, Lachine, Quebec, Canada. Filed Jan. 14, 1920. Serial No. 351,426. 5 Claims. (Cl. 123—127.)



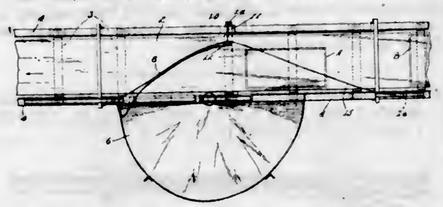
1. In a carburetor, the combination with the engine exhaust, of a high grade fuel supply, a low grade fuel supply, a valve adapted to cut off the high grade fuel supply and open the low grade supply, and means connected with the engine exhaust for conducting exhaust pressure to actuate said valve.

1,461,105. SHARPENER FOR SLICING MACHINES. RUDOLPH W. BACHMAN, Laporte, Ind., assignor to U S. Slicing Machine Company, Laporte, Ind., a Corporation of Indiana. Filed Nov. 21, 1921. Serial No. 516,725. 10 Claims. (Cl. 51—248.)



1. Sharpening mechanism for a rotary slicing knife comprising a grinder, an adjustable support for said grinder, and an adjustable device for retaining said grinder and support in fixed position relative to one another during a sharpening operation.

1,461,106. CONVEYER SYSTEM. ALBERT ELIE BAILEY, Nashua, N. H. Filed Nov. 5, 1921. Serial No. 513,019. 8 Claims. (Cl. 83—92.)



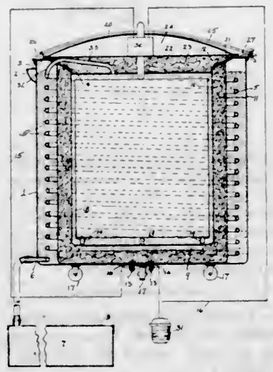
1. In a conveyer system, the combination of a conveyer unit for handling carriers of different sizes, and mechanism for automatically switching the small carriers off said conveyer unit while permitting the large carriers to travel along said unit.

1,461,107. STAKE-HOLDING DEVICE FOR TRUCKS, TRAILERS, AND THE LIKE. MICHAEL T. BARRIER, Lancaster, Calif. Filed Sept. 9, 1921. Serial No. 499,583. 5 Claims. (Cl. 280—147.)



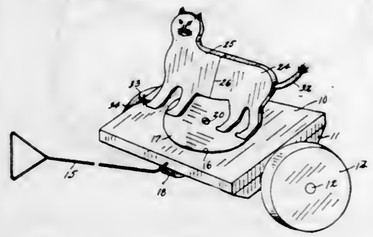
1. A stake holding device for trucks and the like, comprising in combination with sockets for receiving said stakes, a stationary bracket attached to each of said stakes and having a portion thereof spaced from the stake, an operating member hinged to one end of said bracket, an off-set latch member hinged at one end to said operating member and formed at its other end for gripping the edge of said socket member for holding the stakes in position, and a sleeve for holding said member in locked position.

1,461,108. GARBAGE INCINERATOR. WILLIAM F. BORN, Lakewood, Ohio. Filed Apr. 3, 1922. Serial No. 548,925. 8 Claims. (Cl. 203—6.)



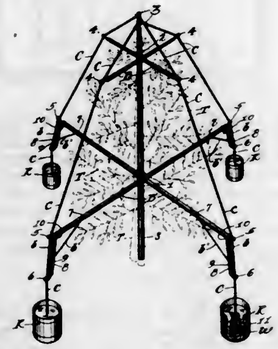
1. In an incinerator of the class described, the combination of a double walled outer casing adapted to hold a cooling liquid, a heating pot mounted within such casing and spaced and insulated therefrom, means for heating said pot, a condensing coil mounted in such cooling liquid and connected to said pot, and an air-tight cover for said casing and pot.

1,461,109. TOY. GEORGE WALDO CABLE, Norwalk, Conn. Filed Dec. 24, 1921. Serial No. 524,750. 5 Claims. (Cl. 46—45.)



1. A toy comprising a base, wheels for supporting the base, a support rotatably mounted on the base, a representation of an animal or the like comprising two sections so hinged together as to allow relative lateral turning movements between the sections, resilient means tending to keep the sections in alignment, one of said sections being secured to said support and the other section being movable independently thereof, means operated by the wheels for rotataing said support, and a stop on said base arranged to engage said movable section and limit rotative movement thereof as the other section and the support are rotated.

1,461,110. MEANS FOR PREVENTING FROST ON TREES AND THE LIKE. JAMES S. COX, Los Angeles, Calif. Filed June 6, 1922. Serial No. 566,420. 6 Claims. (Cl. 47—36.)

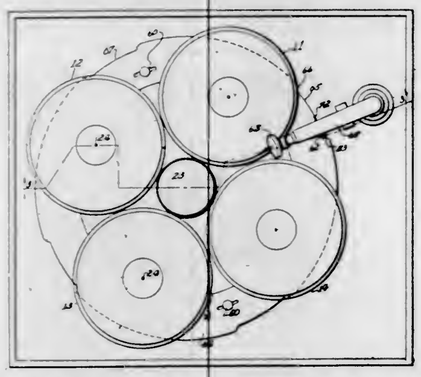


1. A frost prevention device for orchards and the like which includes a frame separate from the tree, a plurality of moisture collecting elements supported on said frame and extending from the top to the bottom of the tree at spaced points.

1,461,111. AUTOMATIC TALKING MACHINE. LEE G. DANIELS, Rockford, Ill. Filed Jan. 19, 1920. Serial No. 352,257. 60 Claims. (Cl. 274—10.)

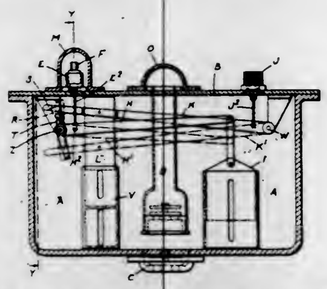
1. In a talking machine, a revoluble carrier, a plurality of record turn tables circumferentially mounted on said

carrier, means for revolving the record turn tables, a reproducer, and mechanism for continuously revolving the



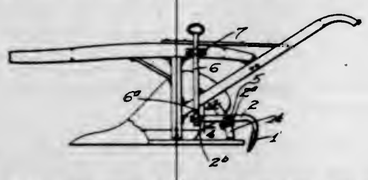
carried to move each record turn table in succession into playing relation with the reproducer and to feed such turn table laterally therebeneath during the reproduction.

1,461,112. METHOD AND MEANS FOR RAISING WATER OR OTHER LIQUID BY COMPRESSED AIR. ROBERT COCHRAN DICKSON, Medan Deli, Sumatra. Filed Sept. 8, 1920. Serial No. 408,915. 5 Claims. (Cl. 103—248.)



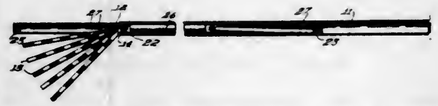
4. An apparatus for raising liquid by compressed air, comprising a chamber provided with inlet and discharging valves for the liquid being raised and admission and exhaust valves for the compressed air, mechanism for closing the compressed air admission valve, means for closing the air exhaust valve and means controlled by said mechanism for locking the air exhaust valve in closed position when the compressed air admission valve is in open position.

1,461,113. SUBSOILER ATTACHMENT FOR PLOWS. FRANK M. DYKE, Ramona, Calif. Filed Dec. 6, 1920. Serial No. 428,588. 3 Claims. (Cl. 97—79.)



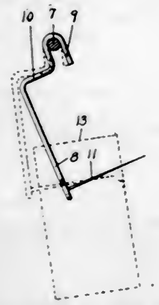
3. In an attachment of the class described, the combination with a plow, of a beam provided with a digging member, a clamp member secured to the plow, a clevis member pivotally connected to said clamp member and connecting with said beam intermediate its ends, a supporting member mounted on the plow adapted to support the normally front end of said beam, means for adjusting said supporting member on said plow whereby the front end of said beam may be raised or lowered for regulating the depth of the digging end of the beam comprising a clip member secured to the plow provided with a spring in one side and teeth in the other adapted to engage the teeth on said supporting member.

1,461,114. SIGNAL FOR VEHICLES. LARS H. EKEBERG, Rockford, Ill. Filed Apr. 17, 1922. Serial No. 553,770. 1 Claim. (Cl. 116—41.)



A signal for vehicles comprising a tubular holder adapted to be attached to a vehicle reaching from side to side thereof, a signal carrying rod slidable in said holder and having a center section and end sections and being of approximately the same length as said holder, each end section being tubular and open on its underside, a signal device disposed in the open portion of each end section comprising a plurality of fingers pivoted at their inner ends to the outer end of the center section and having inner ends of different lengths serving as stops for limiting the signal positions of the respective fingers, and means for moving said rod lengthwise in the holder to project either end therefrom, the fingers of each signal device being normally confined within and resting on the bottom of the holder and adapted when projected to drop at their outer ends to the signal position through the open underside of the projected rod section.

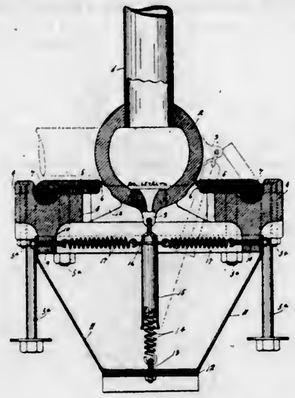
1,461,115. MEANS FOR DIPPING AND COATING CONFECTIONERY. FRANK R. GIDDINGS, Kalamazoo, Mich., assignor of one-half to Vance G. Piper, Kalamazoo, Mich. Filed Mar. 7, 1922. Serial No. 541,658. 2 Claims. (Cl. 91—6.)



1. In a dripping and drying hanger for coating purposes, the combination of a hanger formed of a wire with hook at its upper end and an offset and depending portion with a smooth, straight, slim pin at right angles thereto secured thereto by insertion through the lower end of said hanger whereby a bar of material will hang at an angle on the rack, as specified.

1,461,116. YIELDING SELF-ARIGHTING SAFETY LAMP POST. FRANK W. GAISWOLD, Rogers, Minn. Filed Aug. 2, 1922. Serial No. 579,290. 11 Claims. (Cl. 40—145.)

11. A lamp post or similar structure having in combination, an upstanding post, a member having a curved surface secured to the lower end thereof, extensible means for holding the said members normally in upright posi-



tion and a movable supporting means adjacent the post operative to permit the post to be swung to substantially a horizontal position.

1,461,117. FILAMENTARY BODY FOR ELECTRIC LAMPS AND METHOD OF MAKING THE SAME. ROY D. HALL, East Orange, and HARRY H. SMITH, Newark, N. J., assignors to Westinghouse Lamp Company, a Corporation of Pennsylvania. Filed Dec. 19, 1917. Serial No. 207,837. 10 Claims. (Cl. 176—132.)

1. A filament for electric incandescent lamps or other devices, composed primarily of tungsten and made up mainly of a number of large crystals so interrelated as to be capable of preventing substantial sagging and offsetting during a normal or commercially useful life for such a lamp or other device.

1,461,118. FILAMENT. ROY D. HALL, East Orange, N. J., assignor to Westinghouse Lamp Company, a Corporation of Pennsylvania. Filed Dec. 19, 1917. Serial No. 207,838. 19 Claims. (Cl. 176—132.)

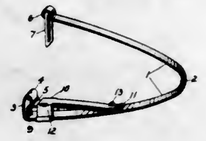
1. A filamentary body composed mainly of tungsten or equivalent metal that at incandescence tends to sag when utilized as a conductor of electricity, and containing auxiliary ingredients capable of controlling the crystalline structure to produce a substantially non-sagging filament when subjected to a predetermined heat treatment.

1,461,119. TOY GUN. JAMES C. HARRIS, Dallas, Tex. Filed Nov. 6, 1922. Serial No. 599,264. 2 Claims. (Cl. 124—1.)



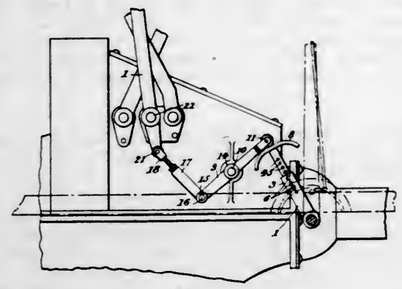
1. A toy of the character described comprising a wooden frame unit, consisting of a butt, stock and barrel, an assembly of triggers, said assembly consisting of a series of push pins, one behind the other, sliding through openings in the breech portion of the frame and in the sheath enclosing it; levers attached to the upper portion of the breech and encased therein, to each of which the push pin is applied, each trigger mechanism being separate and apart from the other, vertical notches in the upper portion of the breech behind each lever, rubber bands attached from said notches to and over the end of the barrel, and a pocket within the butt portion of the frame, a metal cover encasing said pocket and a spring securing the cover in place, said toy to be used for shooting rubber bands.

1,461,120. BAG OR NET FASTENER. BERT L. HERRICK, Oakland, Calif. Filed Dec. 19, 1922. Serial No. 607,820. 5 Claims. (Cl. 24—305.)



1. A bag fastener, comprising two body members adapted to approach and recede from each other, one of said members having an inturned end and an inturned hook at the extremity of said end, a tongue adapted to contact the said hook, and a guard housing the said tongue, and the other of said body members having a link hinged thereto at its extremity and adapted to engage the said hook, the said guard preventing the disengagement of said link when the fastener is closed.

1,461,121. AUTOMATIC TRANSMISSION RELEASE FOR MOTOR VEHICLES. JESSE A. HILL, South Greenfield, Mo. Filed Sept. 30, 1921. Serial No. 504,486. 3 Claims. (Cl. 74—39.)

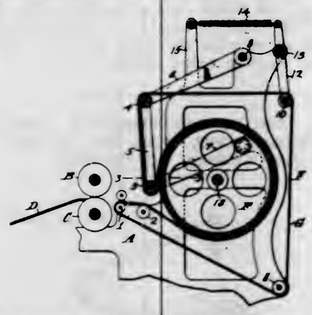


1. A clutch release for a motor vehicle transmission mechanism including in combination with the clutch pedal, and a clutch lever adjustably connected to one end thereof, of a releasing member carried by the control shaft of said motor vehicle, said releasing member including a tubular sleeve, a rod adjustably mounted in said sleeve and having an arcuate-shaped head at its upper end, and an anti-friction roller on the free end of said clutch lever and adapted for engagement with said arcuate-shaped head on said rod.

1,461,122. TOBACCO-LEAF-BOOKING DRUM. GRAHAM H. JACKSON, Newark, N. J., assignor to Universal Tobacco Machine Company, New York, N. Y., a Corporation of New York. Filed Mar. 3, 1921. Serial No. 449,548. 4 Claims. (Cl. 131—56.)

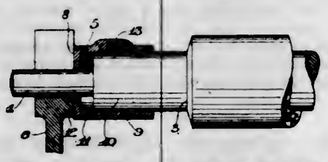
4. In a tobacco leaf booking machine the combination of a booking belt, a pair of spaced heads, a shaft on

which the heads are mounted, a continuous web of rubber forming a leaf receiving surface supported by the heads



and free to yield away from the belt between the heads as the thickness of the book increases.

1,461,123. PRINTING ROLLER. ANDREW JOHNSON, Milwaukee, Wis. Filed Sept. 18, 1920. Serial No. 411,207. 1 Claim. (Cl. 91—67.8.)



The combination with a supporting bearing and a printing roller having a reduced end portion journalled in said bearing and forming a shoulder with the portion of the roller of larger diameter, of a collar mounted on said portion of larger diameter and having a flanged end extending around said reduced end portion and engageable with the side of the bearing, said collar having a threaded opening and a set screw mounted in said opening for adjustably securing said collar to the roller.

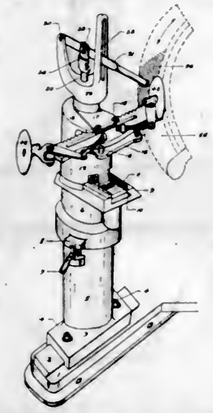
1,461,124. TOWEL RACK. WILLIAM KAHL, Brooklyn, N. Y. Filed June 4, 1921. Serial No. 474,924. 3 Claims. (Cl. 26—343.)



1. A towel rack comprising a bracket and towel supporting rods, the bracket having a horizontal shell, a plurality of ears extending from said shell, the ends of the supporting rods being slotted to receive said ears, and pivot pins for pivotally connecting the slotted ends of the rods to said ears, the ends of the rods overlapping one another so as to form stops to limit the outward swing of the rods.

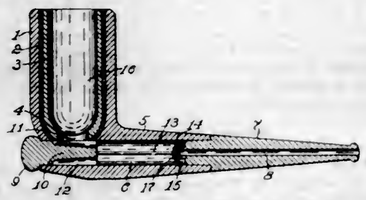
1,461,125. FABRIC-STITCHING DEVICE. JOSEPH D. LACROIX, New Orleans, La., assignor to Kelly-Springfield Tire Company, Akron, Ohio, a Corporation of New Jersey. Filed May 18, 1921. Serial No. 470,681. 7 Claims. (Cl. 154—10.)

2. The combination with a tire forming machine, comprising, a revoluble core adapted to support tire forming material thereon; of a stitcher element, comprising a pedestal movable toward and away from the core, a housing on the pedestal adapted to be transversely adjusted with respect to the core, a radially advanceable



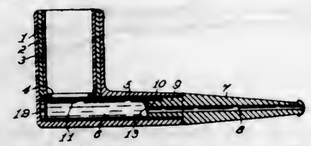
stitcher carriage having a disk thereon, and a unitary control lever whereby the said transverse and radial movements are effectuated by, respectively, vertical and horizontal motions on said lever.

1,461,126. TOBACCO PIPE. FLOYD E. LASURE, Waukesha, Wis. Filed Mar. 28, 1921. Serial No. 456,453. 3 Claims. (Cl. 131—12.)



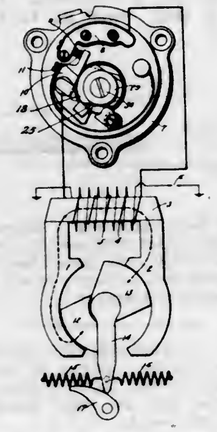
2. A tobacco-pipe comprising an open bowl and a tubular stem in communication therewith, the base of the bowl having an opening in communication with the bowl and with the bore of said stem, a removable plug in said opening grooved longitudinally to control the communication between said bowl and the bore of said stem adjustably, said bowl being composed of different materials arranged in concentric layers.

1,461,127. TOBACCO PIPE. FLOYD E. LASURE, Waukesha, Wis. Filed Nov. 26, 1921. Serial No. 517,964. 1 Claim. (Cl. 131—12.)



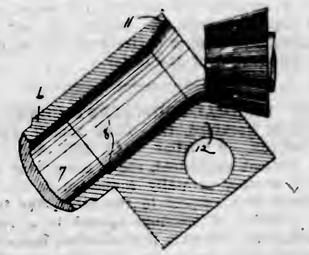
A tobacco pipe, comprising a bowl having a longitudinally hollowed stem, and having an elongated passage in its bottom effecting communication longitudinally with the hollow of said stem, a longitudinally orificed mouth-piece having an end diminished terminally with its diminished part removably and rockably mounted in the hollow of said stem terminally, and a scraper in said hollow consisting of a bar narrower than the said elongated passage, having one end formed into an elastic split-ring to be engagingly secured removably upon the inserted diminished end of said mouth-piece to be rocked or moved slidably therewith, and having its other end bent angularly, shaped to fit the walls of said hollow and positioned in said hollow at one end of the said elongated passage unobstructedly.

1,461,128. MAGNETO IGNITION DEVICE. JOSEPH K. LEIBING, Newark, N. J., assignor to Splitdorf Electrical Company, Newark, N. J. Filed July 21, 1919. Serial No. 312,426. 14 Claims. (Cl. 123—149.)



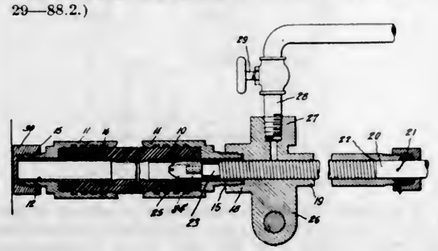
1. In a device of the character described, a coil for producing a spark, means for energizing said coil including a magnetic field and a movable element having a normal stationary position for directing magnetic flux through said field and coil, means for moving said movable element from said normal position to a working position, means for preventing said coil from interfering with the movement of the magnetic flux during a considerable part of the movement of the movable element from normal to working position, means for utilizing the magnetic flux put into operation as the movable element reaches the working position and means for completing from the working position the working stroke of said movable member for the purpose described.

1,461,129. METHOD OF AND MEANS FOR FORMING GUN BARRELS. CRAWFORD C. LOOMIS, Ilion, N. Y. Filed Jan. 8, 1921. Serial No. 435,811. 5 Claims. (Cl. 29—1.1.)



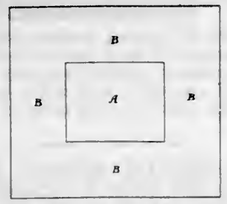
1. In the manufacture of gun barrels, the process of forming a flared approach to the barrel and forming a bullet incline therein which consists in bringing a substantially conical cutting tool against the end of the barrel coaxially therewith to form said flared approach and then revolving the barrel relatively to the tool about a transverse axis for forming the bullet incline.

1,461,130. METHOD OF ASSEMBLING HOSE AND FITTING. MALCOLM LOUGHEAD, Detroit, Mich., assignor to Four Wheel Hydraulic Brake Company, Los Angeles, Calif., a Corporation of California. Filed Feb. 26, 1923. Serial No. 621,223. 5 Claims. (Cl. 29—88.2.)



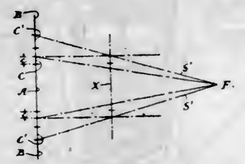
1. The method of assembling an expanded hose and fitting for the end thereof, which consists in positioning a fitting member about one end of the hose, positioning a second fitting within the end of the hose bore, forcing a portion of the wall of one of said fitting members toward the other to grip the hose therebetween, expanding the hose, and snugly inserting a flexible noncollapsible tube within the hose bore while in expanded condition, the end of said tube being extended into the end of said second fitting member.

1,461,131. METHOD OF PRODUCING VISUAL DEPTH IN PROJECTED PICTURES. THOMAS HENRY MARTEN, Toronto, Ontario, Canada. Filed Oct. 1, 1921. Serial No. 504,545. 4 Claims. (Cl. 88—24.)



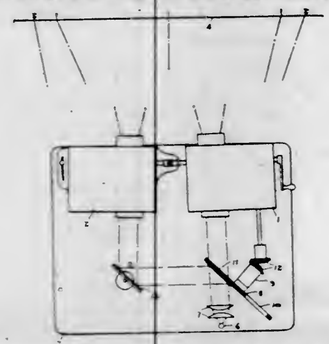
1. A method of producing visual depth in projected pictures, consisting in surrounding the picture area with an element of light of different refrangibility from the light of the picture to create a condition of differing focal adjustment of the eye of the observer.

1,461,132. METHOD OF PRODUCING VISUAL DEPTH IN PROJECTED PICTURES. THOMAS HENRY MARTEN, Toronto, Ontario, Canada. Filed Apr. 3, 1922. Serial No. 549,005. 5 Claims. (Cl. 88—24.)



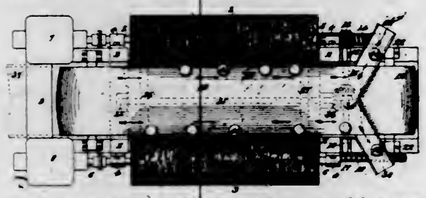
1. A method of producing visual depth in projected pictures, consisting in locating about the picture a flexible image forming a visual attraction and maintaining focal activity in the eye of the observer.

1,461,133. PROJECTION DEVICE. THOMAS HENRY MARTEN, Toronto, Ontario, Canada. Filed May 6, 1922. Serial No. 558,916. 6 Claims. (Cl. 88—24.)



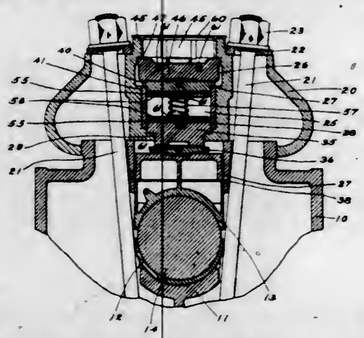
1. A projection device, comprising, a pair of projectors, a fixed source of light, and means for directing the beam of light from said light source in alternating periods to both projectors.

1,461,134. BUFFING MACHINE. EDWARD N. MAULL, Orlando, Fla., assignor to Skinner Machinery Company, Dunedin, Fla., a Corporation of Florida. Filed Dec. 13, 1922. Serial No. 606,745. 16 Claims. (Cl. 146—202.)



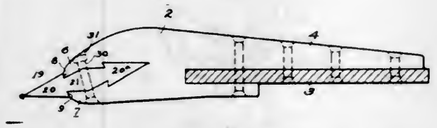
1. A machine for treating articles, comprising means for moving articles along a predetermined path, a rotating buffer adjacent to said path, and intermittently moving means adjacent to said rotary buffer for moving said articles away from said buffer at predetermined intervals.

1,461,135. HYDRAULIC BEARING FOR SUGAR MILLS AND THE LIKE. GUY C. MITCHELL, Hamilton, Ohio, assignor to the Hooven, Owens, Rentschler Company, Hamilton, Ohio, a Corporation of Ohio. Filed Oct. 25, 1920. Serial No. 419,550. 4 Claims. (Cl. 100—47.)



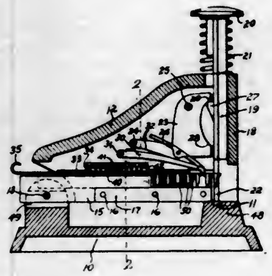
1. In a device of the character described, a top cap having an aperture therein constituting a cylinder, an inturned shoulder in the lower end of said cylinder, locking lugs in the upper end of said cylinder, a lower plunger adapted for positioning within said cylinder, means thereon adapted to cooperate with said inturned shoulder to limit movement of said plunger in one direction; an upper plunger adapted for positioning within said cylinder, a cross-block constructed for positioning within said cylinder, lugs thereon adapted to cooperate with said locking lugs to limit movement of said upper plunger in one direction; and means for admitting pressure fluid to said cylinder, between said plungers.

1,461,136. DIPPER TOOTH. MACCORMICK GIBSON MOORE, Wyomissing, Pa., assignor to Moore & Moore, Inc., Reading, Pa., a Corporation of Pennsylvania. Filed Jan. 2, 1923. Serial No. 610,123. 8 Claims. (Cl. 37—142.)



1. A dipper tooth comprising a bifurcated base portion and a double-ended point member reversibly insertable cross-wise between the spaced base members with one of its pointed ends projecting beyond the latter and seating rearwardly thereagainst.

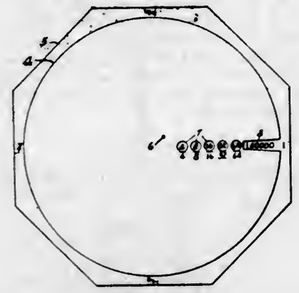
1,461,137. STAPLE-DRIVING MACHINE. JOHN MUTH, Norwalk, Conn., assignor to The E. H. Hotchkiss Company, Norwalk, Conn., a Corporation of Connecticut. Filed Mar. 24, 1921. Serial No. 455,121. 24 Claims. (Cl. 1—2.3.)



22. In a stapling machine, in combination, a casing, a staple strip carrying bar, a staple strip feeding device within said casing, and a sliding channel member adapted to straddle said bar and the staple strip thereon and accessible from the exterior of said casing for disengaging said feeding device from the staple strip to permit withdrawal of the latter.

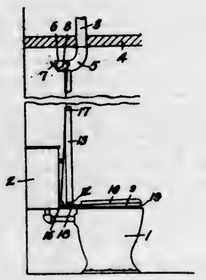
1,461,138. DECIMAL-EQUIVALENT CHART. HERBERT O. OLSON, Rockford, Ill. Filed Jan. 3, 1920. Serial No. 349,162. 3 Claims. (Cl. 235—88.)

1. A decimal equivalent chart comprising a top and a bottom member pivotally connected so that one may be revolved with respect to the other, the top member having a series of openings spaced in a radial plane and having the following denominators below said openings, spaced from the center outwardly, viz: 4, 8, 16, 32 and 64, the bottom member having numerators for each of said denominators arranged in annular paths coincident with said openings so that said member may be relatively revolved to position any numerator in the opening above its respective denominator, and the bottom member having a decimal equivalent for each numerator in radial alignment therewith, the top member having



an opening in proximity to said series of openings and with which each decimal equivalent registers when its respective numerator is in registration with its opening in the top member.

1,461,139. SANITARY APPARATUS FOR WATER-CLOSETS. FRANÇOIS PAUL, Montreal, Quebec, Canada. Filed July 19, 1922. Serial No. 576,097. 2 Claims. (Cl. 4—21.)



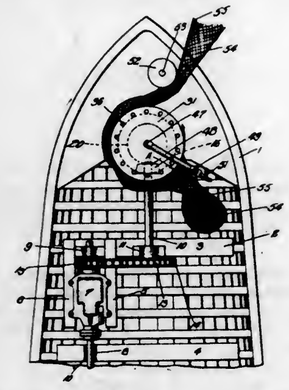
1. A device of the character described in combination with a water closet bowl and the ventilation pipe, a pipe leading from said bowl to the ventilation pipe, said ventilation pipe having an opening therein leading into a room; a valve adapted to close said opening; and means including a weighted lever actuated by the movement of the water closet seat to actuate said valve, substantially as described.

1,461,140. METHOD OF TREATING FILAMENTS FOR INCANDESCENT ELECTRIC LAMPS. JOHN H. RAMAGE, Norfolk, Va., assignor to Westinghouse Lamp Company, a Corporation of Pennsylvania. Filed Oct. 15, 1917. Serial No. 196,686. 16 Claims. (Cl. 176—132.)

1. A filament of tungsten or equivalent refractory metal consisting of grains substantially uniform in size.

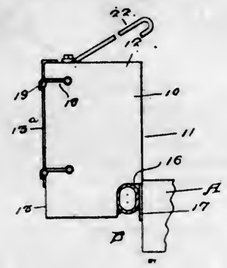
1,461,141. NET-PULLING MACHINE. WILLIAM FREDERICK DEPEW, Bowmanville, Ontario, Canada. Filed Apr. 13, 1922. Serial No. 552,247. 1 Claim. (Cl. 254—138.)

In a net pulling machine, the combination with a gripping drum having peripheral means for gripping the edge line of the net, of a driving shaft having a circumferential slotted end upon which the drum is mounted, a projection extending into the slot from said drum, and springs connected at one end to the driving shaft and at



the opposite end to the drum to form a yieldable driving connection between the shaft and the drum when the shaft is rotated.

1,461,142. OVEN ATTACHMENT FOR AUTOMOBILES. JAMES E. Z. FOWLE, Preuss, Oreg. Filed Apr. 15, 1922. Serial No. 553,215. 1 Claim. (Cl. 126—20.)

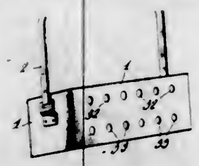


A device of the character described comprising a rectangular casing having its bottom formed with an opening near the back wall of the casing and having its ends formed with notches extending upwardly from the bottom, said opening in the bottom and the notches being designed for accommodation of the exhaust pipe of an engine, the back wall of the casing extending downwardly between the exhaust manifold and the engine whereby to mount the device in place, said casing being of double wall construction and being provided with a foraminous shelf located above the notches, a hinged door normally closing the front of the casing, and brace rods connected with the top of the casing and terminating in hooks engageable over the stay rod of the radiator of the car.

1,461,143. INDICATOR FOR VACANT THEATER SEATS. WILFRED L. GUERIN, New Orleans, La., assignor of one-half to Morinville J. Guerin, Jr., New Orleans, La. Filed Dec. 23, 1921. Serial No. 524,431. 5 Claims. (Cl. 177—337.)

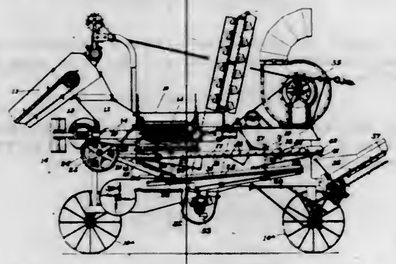
1. In a vacant seat indicator for theaters, the combination of a plurality of electric lamps constituting a signal to designate a plurality of separated vacant seats; a second set of electric lamps constituting a second signal to designate vacant seats that are not separated from each other; normally open circuits for each lamp; and

circuit closers provided with means for operating each other and to close said circuits, whereby upon operating a single circuit closer of said first named signal a plu-



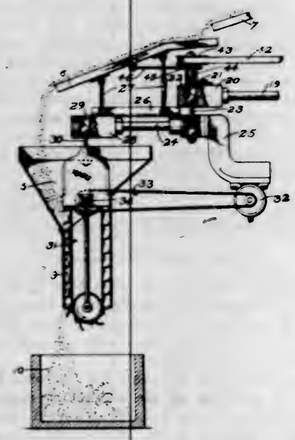
rality of separated vacant seats may be simultaneously indicated, and by operating a single circuit closer of said last named signal a plurality of seats not separated from each other may be simultaneously indicated.

1,461,144. SCREEN FOR CORN SHELLERS. RICHARD E. HANNEMAN, East Moline, Ill., assignor to Deere & Company, Moline, Ill., a Corporation of Illinois. Filed Sept. 9, 1920. Serial No. 409,048. 7 Claims. (Cl 130—19.)



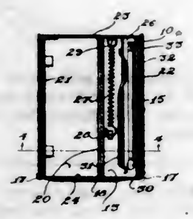
1. The combination with a vibratory screen, of a plurality of dams spaced a distance apart and extending over the surface of the screen and projecting from such surface at different angles, and means for varying the angular position of the dams while maintaining them at different angles relatively to each other.

1,461,145. MOLDING MACHINE. HENRY E. HENRICKS, Oak Park, Ill., assignor of one-third to Arnold H. Schlegel, Oak Park, Ill. Filed July 9, 1920. Serial No. 394,021. 4 Claims. (Cl. 22—36.)



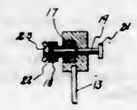
1. In a mold-flask charging apparatus, a support, a horizontal arm extending from the support, a beam swiveled to the arm to swing vertically and horizontally, a hopper and a shaking table carried by the beam, the table discharging into the hopper, means associated with the hopper for forcibly ejecting the contents thereof, a second shaking table carried by the support and discharging on the first-mentioned table, a drive shaft on the support, a counter-shaft on the support obtaining motion from the drive-shaft, driving means for the first-mentioned table carried by the aforesaid arm, a driving connection between said means and the counter-shaft, and a driving connection between the drive shaft and the first mentioned table.

1,461,146. MATCH BOX. JOSEPH A. HEY, Decatur, Ill. Filed Sept. 3, 1921. Serial No. 498,432. 2 Claims. (Cl. 206—27.)



1. A match receptacle comprising an open box, a casing and a cover; said box being provided with a channel along one side wall thereof, a longitudinal slot being provided in the side wall adjacent to said channel, said slot opening into said channel, a projection on the side wall of said casing reaching through said slot into said channel, the end wall at the opposite end of the box in respect to said projection having an aperture, yieldable means in said box adapted to partly close said aperture, a tension spring inserted in the length direction of the box between the bottom of said box and the bottom of said casing, and securing means for each end of said spring for attaching said ends to said box and said casing respectively.

1,461,147. WINDOW LOCK. SIGURD JAHR HOFF, New York, N. Y. Filed May 16, 1922. Serial No. 561,313. 3 Claims. (Cl. 292—57.)

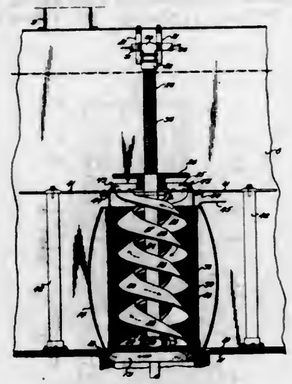


1. In combination with a pair of slide sashes, a means for releasably locking both sashes in the closed position comprising an upper sash with a longitudinal slot therein and provided with an angular exit slot at one end thereof, said upper sash having a sunken channel registering with the said slots, an inclined surface formed on one side of the sunken channel and means carried within the channel for locking the upper and lower sashes to each other when in the closed position.

1,461,148. DRYING APPARATUS. JOHN F. HUGHES, Penns Grove, N. J. Filed Oct. 12, 1920. Serial No. 416,357. 11 Claims. (Cl. 34—43.)

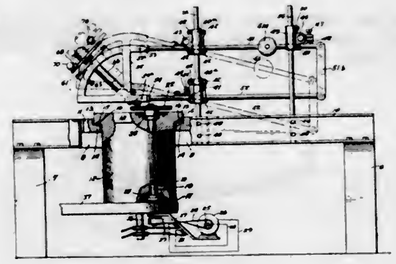
3. Apparatus of the character described including a screened member for containing the material to be dried;

heating means adapted to be inserted into the material within the screened member; means for moving said



screened member; and scraping means adapted to scrape the material from the inner surface of the screened member; substantially as described.

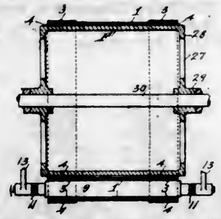
1,461,149. APPARATUS FOR CUTTING DIAMONDS. ALFRED T. HUNT, Brooklyn, N. Y. Filed June 24, 1921. Serial No. 480,149. 8 Claims. (Cl. 51—120.)



1. In a machine for cutting diamonds, the combination of a diamond dop for holding a diamond, a cutting wheel for engaging said diamond, means for causing said cutting wheel to rotate upon its own axis, means for causing said wheel to revolve bodily around an axis different from the axis of rotation of said cutting wheel, mechanism for supporting said diamond dop so as to maintain the diamond in a predetermined bodily position, and mechanism controllable at the will of the operator for adjusting said diamond dop to different degrees of inclination relatively to said diamond cutting wheel, without disturbing the general fixed position occupied by said diamond while being cut.

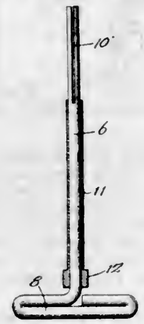
1,461,150. TOBACCO-LEAF-BOOKING MACHINE. GRAHAM H. JACKSON, Newark, N. J., assignor to Universal Tobacco Machine Company, New York, N. Y., a Corporation of New York. Filed Mar. 3, 1921. Serial No. 449,549. 3 Claims. (Cl. 131—56.)

3. In a tobacco leaf booking machine, the combination of a booking drum, and a booking belt passing around the drum and having a leaf receiving surface which will readily yield to receive the leaves as the book increases



in thickness, and edges of a stiffer material on each side of the book receiving surface by which the booking belt may be driven.

1,461,151. CAN OPENER. HERBERT ELIJAH KEELER, Chicago, Ill. Filed Sept. 20, 1922. Serial No. 589,359. 4 Claims. (Cl. 220—52.)



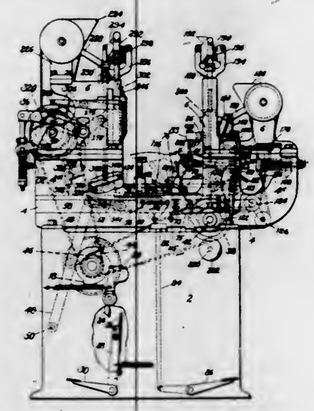
1. A can opener having a member provided with a slot adapted to receive the tongue of the can closure, the slot being open at the outer end, and an ejector slidably mounted on said member and adapted to engage the can cover to force it off over the end of said member.

1,461,152. ICE PICK. HERBERT ELIJAH KEELER, Chicago, Ill. Filed Feb. 28, 1923. Serial No. 621,877. 5 Claims. (Cl. 83—62.)



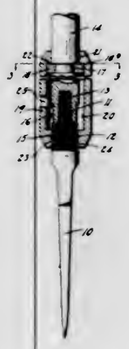
3. An ice pick having a pointed rod, a chambered handle slidably mounted on it and adapted to strike it, a tension spring connected at the lower end to the lower portion of the handle, and a swivel connection between the upper end of the spring and the upper portion of the rod.

1,461,153. HEEL-SEAT LASTING AND NAILING MACHINE. EUGENE L. KETES, Chicago, Ill., assignor to United Shoe Machinery Corporation, Paterson, N. J., a Corporation of New Jersey. Filed Dec. 22, 1917. Serial No. 208,434. 168 Claims. (Cl. 12—4.)



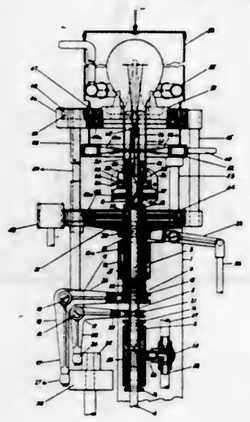
1. A machine of the class described having, in combination, heel seat lasting mechanism, mechanism for nailing the heel end of the sole over the lasted heel seat, and a shoe support, said mechanisms and support being constructed and arranged for relative movements first to present a supported shoe and said lasting mechanism in co-operative relation and then to present the heel end of the supported shoe and said nailing mechanism in co-operative relation.

1,461,154. WELL-DRILLING TOOL. HENRY B. McGOWAN, Hurley, Okla. Filed May 17, 1922. Serial No. 561,654. 1 Claim. (Cl. 279—101.)



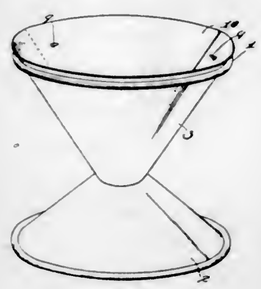
The combination with a bit having the pin and shank thereof oppositely screw threaded, of a stem having a threaded socket receiving the pin, a sleeve having engagement with the stem limiting its upward movement thereon, securing means engaging the stem and insertable through an opening formed in the wall of the sleeve when the sleeve is in its uppermost position, said securing means when in engagement with the stem limiting the downward movement of the sleeve on the stem with the lower end of the sleeve extending below the lower end of the stem, the lower end of said sleeve having threads for engagement with the threads of the shank of the bit.

1,461,155. METHOD OF AND APPARATUS FOR MANUFACTURING INCANDESCENT LAMPS. HARRY D. MADDEN, Irvington, and JOHN J. HIGGINS, East Orange, N. J., assignors to Westinghouse Lamp Company, a Corporation of Pennsylvania. Filed Apr. 3, 1919. Serial No. 287,234. 41 Claims. (Cl. 176—2.)



30. The combination in an incandescent lamp-making machine of means for exhausting a bulb and means operating subsequently thereto for sealing a mount within the bulb.

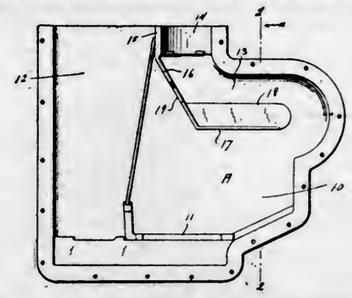
1,461,156. CUSPIDOR. MILTON G. MARTIN, Stevens Point, Wis. Filed Apr. 29, 1920. Serial No. 377,557. 1 Claim. (Cl. 4—38.)



In a cuspidor, a hollow stand having an upper wall forming a vessel open at the bottom and adapted to support a removable receptacle, a relatively heavy base plate, said stand having a lower wall surrounding said base plate, a spider in said vessel bearing upon the inner wall thereof and means for supporting said plate from said spider.

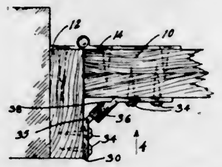
1,461,157. DRAFT-CONTROLLING MEANS FOR TANK HEATERS. GEORGE W. MUNDIE, Peru, Ill. Filed Apr. 7, 1923. Serial No. 630,507. 3 Claims. (Cl. 126—367.)

1. In a tank heater, a fire box, a discharge flue disposed immediately above the fire box, a wall extending downward from one wall of the discharge flue and having a draft opening therethrough, and a baffle extend-



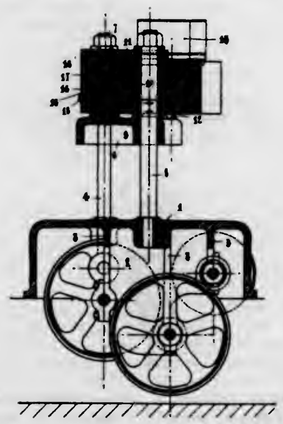
ing transversely through the axis of the discharge flue and from the lower end of the wall and defining a return flue between it and the top of the heater.

1,461,158. GARAGE-DOOR LOCK. CARL C. PARKE, Denver, Colo. Filed Dec. 6, 1920. Serial No. 428,471. 2 Claims. (Cl. 20—16.)



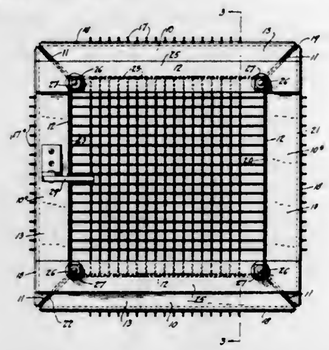
2. A locking means for a door, comprising one member adapted to be secured to the door and having one end inclined at an angle to the main portion thereof, a similarly angled second member adapted to be secured to the door casing, the inclined ends of said members being formed to interlock for the purpose of holding a door in closed position after the hinges have been removed.

1,461,159. MACHINE FOR MAKING BRICKS, TILES, AND OTHER BUILDING MATERIALS. GEORGES VALENTIN PICOT, Paris, France. Filed Aug. 29, 1921. Serial No. 496,604. 2 Claims. (Cl. 25—69.)



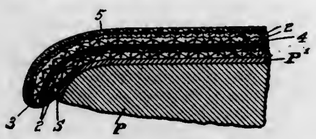
1. In a hollow-block machine, the combination of compression mechanism embodying a pair of vertical guides, a vertically-reciprocating cross-head slidably connected at opposite ends therewith and provided with a vertical core, and a tie-plate connecting the upper ends of the guides and having a slot conforming to the size and shape of the core and disposed directly in line therewith; and a mould carrier disposed between the cross-head and the tie-plate and having a plurality of moulds at top and bottom, said carrier being movable relatively to the cross-head to bring the moulds successively into position directly in line with said core and tie-plate, thereby to enable the core to move into and through the material in the mould thereover and into the slot in the tie-plate during the upward movement of the cross-head, and the tie-plate to close the upper end of that mould at such time.

1,461,160. VEGETABLE SLICER. RAPHAEL A. PORTER, Payson, Utah. Filed Nov. 15, 1922. Serial No. 601,105. 9 Claims. (Cl. 146—7.)



6. A vegetable cutter including coacting frames, one of said frames being formed of separate sections shiftable away from each other, means acting when said frames are forced toward each other to cause the sections of the first named frame to be forced away from each other, and a series of blades carried by the first named frame, the separation of said sections acting to tension the blades.

1,461,161. SURGICAL APPLIANCE, BRACE, AND SOCKET FOR ARMS AND LEGS. ROBERT WILLIAM REED, Rochester, Minn. Filed June 10, 1921. Serial No. 476,634. 6 Claims. (Cl. 128—90.)

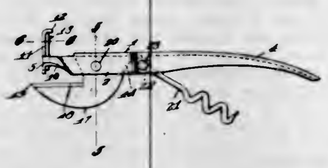


1. An appliance of the class described comprising superimposed layers of stripped, open mesh fabric laid in non-inflammable celluloid and having embodied therein a sheet of rawhide stretched and moulded and covered with a close mesh fabric and united to its adjacent layers.

1,461,162. CAN OPENER. LEWIS D. ROBERTS, Washington, D. C. Filed Mar. 19, 1923. Serial No. 626,201. 3 Claims. (Cl. 30—3.)

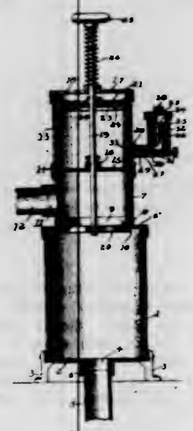
1. In a device of the class described, a single strip of metal bent to provide a grip at one end, a transverse bearing wing at the other end, an intermediate channel, there being a slot in the intermediate wall of the chan-

nel extending up to the wing, those portions of the channel at the sides of the slot being bulged laterally and arched, a cutting blade having a head fitted snugly



within the channel with one straight edge bearing throughout the length of the head against the intermediate wall of the channel, and a fastening means extending transversely through the channel and head.

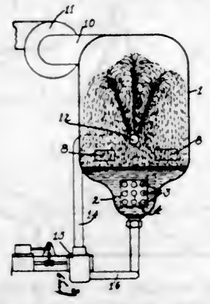
1,461,163. AUTOMATIC FLUSHING APPARATUS. ARTHUR WILLIAM ROBINSON, San Antonio, Tex. Filed May 24, 1921. Serial No. 472,289. 1 Claim. (Cl. 137—93.)



An automatic flushing apparatus including a water-inlet cylinder having a valve seat, a valve for said seat, a vacuum chamber having an air port at its outer end, an air piston within said chamber, a depressible rod connecting the said valve and piston and extending exteriorly of the said chamber, a spring normally positioning the said rod to seat the valve and to locate the said piston at the outer end of the vacuum chamber, a spud at one side of the said chamber and adjacent the inner end thereof, said spud presenting air passages communicating separately with the interior of the chamber below the piston to provide respectively an air outlet and an air inlet, a self-closing valve normally closing the said air outlet and automatically operable upon the downward movement of the piston to uncover the outlet, and means for varying the effective area of the said air inlet.

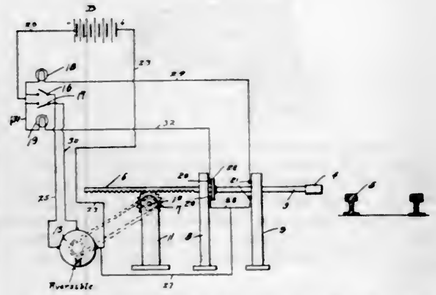
1,461,164. METHOD OF CONDENSING FLUIDS. CHARLES E. ROGERS, Detroit, Mich. Filed Feb. 7, 1919. Serial No. 275,498. 6 Claims. (Cl. 99—5.)

3. The method of condensing fluids consisting in heating a body of the fluid to a temperature not to exceed 160 degrees F. in a chamber, pumping the fluid from the bottom of the said chamber and spraying it upward therein to fall by gravity into the body of fluid, and passing air therethrough and over the surface of the heated liquid body of a temperature below the temperature of the liquid and having an avidity for moisture, the air tending to chill the sprayed liquid which is reheated as it falls into the body thereof and is again sprayed



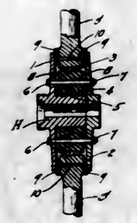
and exposed to the moisture absorbing air, the process continuing until the entire body of the liquid is condensed to the desired extent.

1,461,165. TRACK SIGNAL. LEROY S. SNELL, Utica, N. Y. Filed June 14, 1921. Serial No. 477,435. 2 Claims. (Cl. 246—211.)



1. A track signalling mechanism including a torpedo-carrying bar, uprights on which said bar is slidable, a pin extending laterally from the bar and disposed intermediate said uprights, said pin adapted to engage the uprights to limit movement of the bar in opposite directions, signals in electric circuits having spaced contacts on said bars and adapted to be engaged by said pin to close said circuits.

1,461,166. CUSHIONED HUB. CHARLES E. SOPER, Elmira, N. Y. Filed Mar. 1, 1922. Serial No. 540,260. 2 Claims. (Cl. 152—43.)

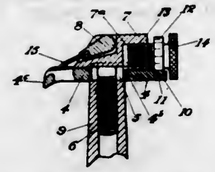


1. In a wheel structure, a hub, a collar, a cushioning element of yieldable material fitted within said collar, said element having a bore through which the hub is snugly disposed, said cushioning element being under compression within the collar, a rim, means for operatively engaging said rim with the collar, said hub being provided with outstanding spaced flanges between which the cushioning element and collar are positioned, said cushioning element being of a length less than the distrance between the flanges, and members disposed through the flanges and cushioning element for holding the cushioning element in applied position.

1,461,167. CARBONACEOUS FUEL. WALTER EDWIN TRENT, Washington, D. C. Filed June 19, 1922. Serial No. 569,329. 7 Claims. (Cl. 44—1.)

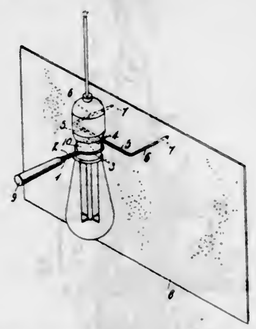
2. A composite fuel of a plastic consistency and composed principally of finely divided carbonaceous material, oil and water, the oil content of the fuel being of a quantity constituting at least 15 per cent of the mass by weight.

1,461,168. SAFETY RAZOR. JAMES ALEX DENBY WATT, London, England, assignor to Super Razors Incorporated, New York, N. Y. Filed Mar. 28, 1921. Serial No. 456,467. 1 Claim. (Cl. 30—12.) (Granted under the provisions of the act of Mar. 3, 1921, 41 Stat. L., 1313.)



A safety razor of the kind herein specified comprising a blade carrier, a blade pivotally mounted therein, a blade guard disposed below said blade carrier, said blade carrier and blade guard being adjustable across the longitudinal axis of the razor handle, an index pointer on said blade carrier, a headed screw coupling the said carrier with the said guard, and a graduated scale on the said screw adapted to register with the said index pointer for indicating the degree of adjustment obtained between the blade carrier and the blade guard.

1,461,169. INSECT CATCHER. WALTER C. WILSON, Montello, Nev. Filed Aug. 11, 1922. Serial No. 581,097. 3 Claims. (Cl. 43—113.)

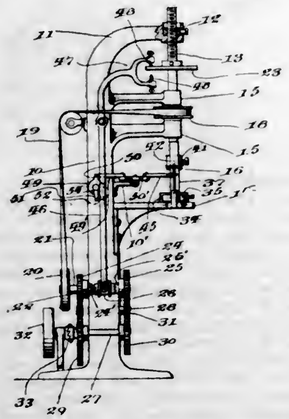


3. An insect catching device of the character described, comprising a horizontal portion composed of a rebent strand of wire, said horizontal portion intermediate its ends being looped to receive a lamp socket, a handle at one side of said loop, the wire projecting from the opposite side of said loop terminating in sharpened end portions, and a sheet of insect catching material detachably fastened to said sharpened end portion.

1,461,170. CLEANING FLUID FOR IMPREGNATING DUST CLOTHS AND THE LIKE. FRANK ALVIN WRIGHT, Hutchinson, Kans. Filed May 11, 1921. Serial No. 468,626. 1 Claim. (Cl. 87—5.)

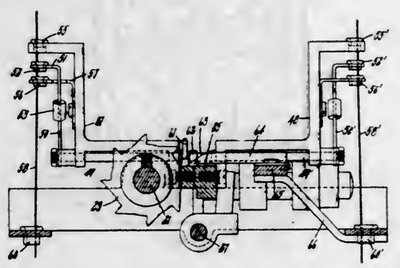
A cleaning fluid for impregnating dust cloths, consisting of crude oil, gasoline, raw linseed oil and oil of cassia in about the proportions of one gallon of crude oil, one-half gallon of gasoline and four ounces of raw linseed oil, approximately two drops of oil of cassia being added for each four square feet of cloth.

1,461,171. NUT-TAPPING MACHINE. RUFUS F. BARNES, Springfield, Mass. Filed Mar. 16, 1921. Serial No. 452,861. 4 Claims. (Cl. 10—136.)



4. In a nut tapping machine, the combination with a tap spindle and a gear shifting lever operable thereby, of a nut blank feeding mechanism including a magazine, a plunger operable to push the blanks successively from the magazine into position beneath the tap, a rotatable element having a radial arm, a pivoted lever connected with the plunger, a spring for retracting the plunger into position behind a nut blank, and a pin on the shift-lever for moving the disk to actuate the plunger.

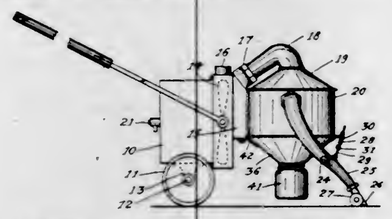
1,461,172. STOP MOTION FOR KNITTING MACHINES. WILLIAM T. BARRATT, Bennington, Vt. Filed Nov. 18, 1921. Serial No. 516,040. 25 Claims. (Cl. 66—7.)



1. A stop motion mechanism for a knitting machine having, in combination, a driving shaft, a rotary stop member, a normally stationary stop member adjacent thereto, a guide for a strand of yarn, a pivotally mounted member to which said yarn guide is attached, locking means actuated by said pivotally mounted member and normally held out of engagement with said stop members by said strand of yarn when under tension

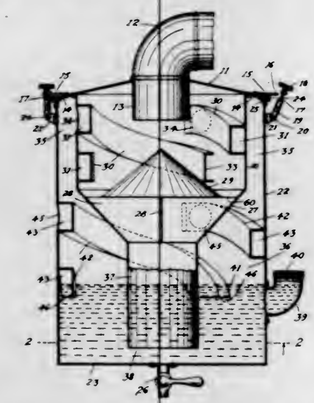
during the operation of said knitting machine, said locking means being adapted to be moved by said pivotally mounted member into interlocking engagement with said stops when allowed by said yarn so to do, whereby the rotation of said rotary stop member may be stopped, and mechanism actuated by the stopping of said rotary stop member constructed and arranged to stop the rotation of said shaft.

1,461,173. SUCTION CLEANER. ASHLEY C. BENNETT, Minneapolis, Minn. Filed Sept. 4, 1917. Serial No. 189,449. 2 Claims. (Cl. 15—16.)



1. A suction cleaner for carpets, rugs and the like comprising a pair of chambers having integrally united walls, one of which is vertically cylindrical, and having means connecting the top of the vertical chamber with the other chamber, a tubular arm connected to the upper portion of the vertical chamber, a suction head on said arm having means engaging the floor so as to support the front end of said casing and having communication through the arm with the interior of the vertical chamber, means in the other chamber for inducing a current of air to pass through the suction head, arm, vertical chamber and other chamber and to discharge therefrom to atmosphere, and means in the vertical chamber for causing gravity separation of dust carried by said induced current.

1,461,174. AIR CLEANER. ASHLEY C. BENNETT, Minneapolis, Minn., assignor to Irene E. Bennett, Minneapolis, Minn. Filed Sept. 8, 1917. Serial No. 190,393. 7 Claims. (Cl. 183—24.)



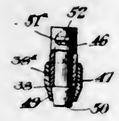
1. An air cleaner comprising a casing adapted to contain a body of liquid therein, means for connecting the casing with an air-current inducing means, means for admitting outside air into the casing and conveying it into said body of liquid, and a casing within the first-named casing through which the air is directed after it leaves said liquid to cause said air to turn in the form of a cyclone to separate excess moisture and solids from said air.

1,461,175. HINGE. EDGAR B. BICKER, St. Louis, Mo. Filed Apr. 17, 1922. Serial No. 554,353. 2 Claims. (Cl. 229—44.)



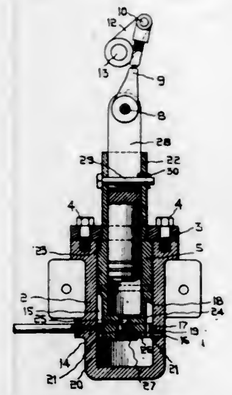
2. A hinge plate having a marginal cut out, a pintle whose sides are wholly freed from the plate and whose ends are integrally connected with the plate for portions only of its width, and said pintle being sectionally arcuated.

1,461,176. NEEDLE CHUCK FOR SOUND REPRODUCERS. JOHN WESLEY BOOTH, Trenton, Ontario, Canada. Original application filed Nov. 1, 1920, Serial No. 421,070. Divided and this application filed Apr. 25, 1921. Serial No. 464,353. 1 Claim. (Cl. 274—37.)



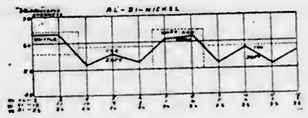
In a sound reproducer, a needle, a chuck comprising a core adapted to support the needle, a sleeve adjustably supporting the core and permitting it to turn through part of a revolution whereby the position of the needle may be adjusted, and means for retaining the core in position in the sleeve.

1,461,177. AUTOMATIC BELL RINGER. JOSEPH W. BUCKLAND, Montreal, Quebec, Canada. Filed Mar. 5, 1921. Serial No. 449,967. 8 Claims. (Cl. 121—2.)



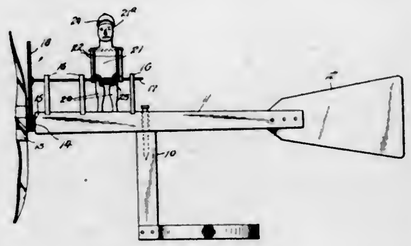
1. In an automatic bell-ringer the combination with a cylinder, a hollow piston mounted within said cylinder, a second piston slidably mounted within the hollow piston and adapted to coact with the latter in creating a vacuum when moved relatively thereto in one direction, means operatively connecting one of said pistons to the bell, and means whereby said pistons are actuated.

1,461,178. ALLOY. HUGH S. COOPER, Cleveland, Ohio, assignor, by mesne assignments, to Kemet Laboratories Company Inc., a Corporation of New York. Filed Aug. 26, 1918. Serial No. 251,375. 9 Claims. (Cl. 75—1.)



1. An alloy composed of a preponderating amount of nickel, aluminum and silicon in which the percentage of either of the last two substances is not less than three percent and not more than twelve percent.

1,461,179. FIGURE TOY. THOMAS W. CRENSHAW and WILLIE J. CRENSHAW, Clarksville, Tex. Filed Apr. 30, 1921. Serial No. 465,676. 2 Claims. (Cl. 46—14.)



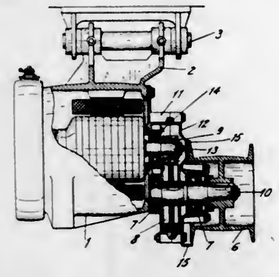
1. In a wind-operated figure toy, a support, a member pivoted to the support to swing in a horizontal plane and provided at one end thereof with a guiding vane, a shaft rotatably mounted in the opposite end of the member and having a wind-wheel secured thereto, braces extending upwardly from the member a crank shaft rotatably mounted in the braces, a driving connection between the wind wheel and crank shafts, horizontal braces extending outwardly from the side of the member, a figure toy embodying legs rigidly secured to said horizontal braces, a body pivotally connected to the upper end of the legs, and arms pivotally connected to the body and having the free extremities thereof pivotally connected with the crank of said crank shaft, said body embodying a head having a projection thereon adapted to engage against the crank of the crank shaft to support the body and prevent excessive pivotal movement thereof.

1,461,180. RAILROAD-CROSSING SIGNAL. JOSEPH B. DE LUCA, Philadelphia, Pa. Filed May 9, 1921. Serial No. 467,938. 1 Claim. (Cl. 246—473.)



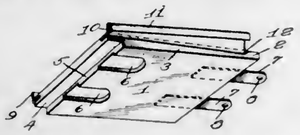
A device of the class described comprising a box-shaped casing having two opposing side walls of transparent material and provided with appropriate warnings, the other walls of the casing being opaque and an illuminating medium on the central vertical axis within the casing; another illuminating medium carried by said casing exteriorly thereof, but situated on the same vertical axis, a pair of screens attached to said casing having concave surfaces directed towards said second illuminating medium and spaced symmetrically across a plane running parallel to said transparent side walls and through said axis, said concave surfaces having their foci situated in said plane.

1,461,181. DYNAMO DRIVEN BY WHEEL AXLE. EMIL DICK, Geneva, Switzerland. Filed Oct. 16, 1922. Serial No. 594,751. 5 Claims. (Cl. 105—102.)



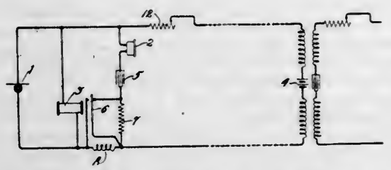
1. In a dynamo having a housing arranged to be pivotally suspended from a support, the combination with the housing and the armature journaled therein, of a gear-case on the housing at one end thereof, a countershaft journaled in the gear-case and carrying a pulley outside the latter, and toothed-wheel gearing in said gear-case operatively connecting the countershaft with the armature shaft.

1,461,182. ROOF-PLATE FORM. LARS ENGESET, Seattle, Wash. Filed Oct. 5, 1922. Serial No. 592,653. 3 Claims. (Cl. 108—10.)



1. A roof plate comprising a thick end having a cutaway portion at one end with a recess adjacent thereto and communicating with the cutaway portion, and a thin end having a thin projecting strip in alignment with the recess, one side edge of the plate having a vertical flange, and the opposite side edge of said plate having a turned flange.

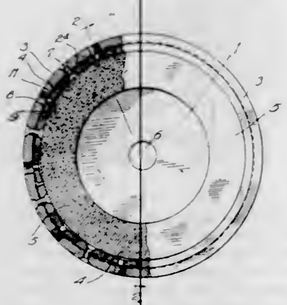
1,461,183. SUBSTATION CIRCUIT. HARVEY FLETCHER, New York, N. Y., assignor to Western Electric Company, Incorporated, New York, N. Y., a Corporation of New York. Filed Dec. 15, 1920. Serial No. 430,842. 7 Claims. (Cl. 179—81.)



1. The method of operating a substation circuit including a transmitter element for converting sound waves

into electric current variations and a receiver element for converting electric current variations into sound waves, which comprises normally maintaining the transmitter element and the receiver element connected in series across a line with the transmitter element short-circuited for alternating current, and changing the circuit connections, in response to operation of the transmitter element, to effectively connect the transmitter element across the line for locally generated signaling current.

1,461,184. ABRASIVE-WHEEL CHUCK FOR GRINDING MACHINES. FREDERIC E. GARDNER, Beloit, Wis. Filed June 14, 1920. Serial No. 388,772. 13 Claims. (Cl. 51—209.)



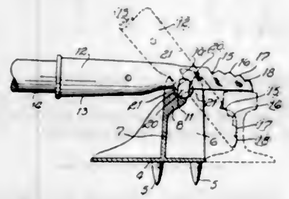
1. A device of the character described comprising, in combination, a shell having a back plate and a rim comprising spaced cylindrical segments, a ring mounted upon said shell and enclosing said rim, and a plurality of independent clamping elements supported on said ring between said segments.

1,461,185. MEDICINAL DEVICE. SIMON GLICKSON, Chicago, Ill. Filed May 20, 1922. Serial No. 564,612. 5 Claims. (Cl. 128—260.)



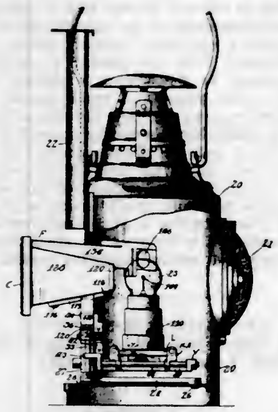
1. The herein described method of preparing and preserving medicine for use which consists in arranging medicine in dry form in a collapsible compartment of a container, the compartment being connected with a compartment containing a liquid closing off communication between the two compartments by compressing the collapsible compartment at its juncture with the liquid container and when it is desired to expel the medicine for use relieving said compression to allow the liquid to contact with the dry medicine and then expelling the medicine from the container by compressing the collapsible compartment.

1,461,186. RAIL JACK. FREDERICK HACHMANN, St. Louis, Mo., assignor of two-tenths to Thomas T. Richards, St. Louis, Mo., one-tenth to Addie Koelling, one-tenth to Hilda Houchens, two-tenths to John H. Bierbaum, all of Marthasville, Mo., two-tenths to Robert E. Einstein and one-tenth to Philip R. Walsh, both of St. Louis, Mo. Filed Mar. 20, 1922. Serial No. 545,073. 3 Claims. (Cl. 254—44.)



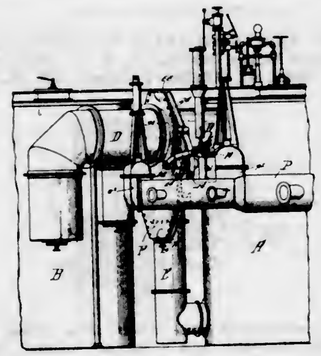
1. A jack comprising a support having a substantially vertical web, a semi-circular bearing formed throughout the web, said bearing being provided with rearwardly inclined slots, a lever provided with a semi-circular integral bearing adapted to be seated on the bearing formed in the web, and a series of transverse shoulders formed on the forward end of said lever, certain of said shoulders being adapted to engage beneath the ball of a rail, and the others to engage the web thereof.

1,461,187. METHOD OF MAINTAINING A SOURCE OF LIGHT IN A DESIRED POSITION IN LANTERNS. CLINTON O. HARRINGTON, Chicago, Ill., assignor to Aldobilt Company, Chicago, Ill., a Corporation of Illinois. Filed Mar. 22, 1921. Serial No. 454,444. 7 Claims. (Cl. 88—14.)



1. The method of maintaining, by replacement of the light-giving member, a source of light provided by such light-giving member and a light-projecting member substantially in a desired critical relative position with respect to each other and in which replacement the second light-giving member would not provide the source of light substantially in its desired critical relative position with respect to the light-projecting member without adjustment of one of said members relative to the other, which comprises, first, placing, in any approved way, the source of light provided by such light-giving member and the light-projecting member substantially in their desired critical relative position with respect to each other; second, recording this critical relative position according to the readings of an optical instrument seated on a part of the lantern in a definite relative position and adapted to indicate various relative positions of the source of light from such light-giving member with respect to the light-projecting member; third, replacing the first light-giving member by a second light-giving member; and, fourth, adjusting one of said members relative to the other while the person making the adjustments observes from such optical instrument, while the adjustments are being made, the effect of such adjustments and until the instrument readings of such optical instrument therefrom substantially coincide with the record made according to the second step hereof.

1,461,188. VALVE. FRED B. HAYES, Fort Wayne, Ind., assignor to The Western Gas Construction Company, Fort Wayne, Ind., a Corporation of Indiana. Filed Feb. 12, 1920. Serial No. 358,096. 13 Claims. (Cl. 251—74.)



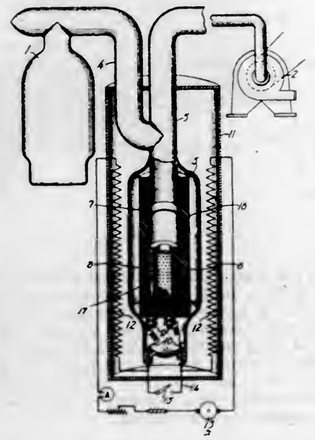
1. A valve housing comprising two plates secured together to form a shallow interior chamber, each plate provided with an upper and a lower aperture therethrough, a single, thin, rocking valve disc or gate movable edgewise in said chamber, and adapted to close either of said apertures, and means for actuating said valve disc, said chamber being substantially the same size between said plates as the thickness of the valve disc.

1,461,189. NOVELTY HEADWEAR. PAUL M. HENNEGAN, Cincinnati, Ohio. Filed June 28, 1921. Serial No. 481,105. 1 Claim. (Cl. 2—106.)



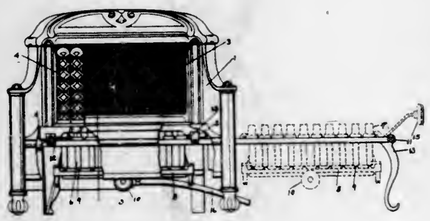
A hat of the character described including a central crown portion of substantially oval shape and having pointed ends, said crown portion being folded longitudinally on the fold line extending from one pointed end to the other, side flaps of substantially rectangular shape arranged on opposite sides of the crown portion, said side flaps being connected to the crown portion at the central portions of said side flaps only, and securing flaps arranged at the ends of the side flaps and connecting the ends of the side flaps together, the upper edges of the side flaps being of irregular shape to provide ornamentation, the front and rear portions of the upper edges of the side flaps being free from the crown portion in order to permit the crown portion to be folded.

1,461,190. VACUUM PUMP. WILLIAM G. HOUSKEEPER, New York, N. Y., assignor to Western Electric Company, Incorporated, New York, N. Y., a Corporation of New York. Filed June 16, 1921. Serial No. 478,021. 18 Claims. (Cl. 230—13.)



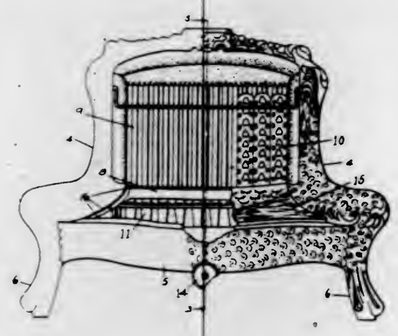
1. In a pump, a container of insulating material, a plurality of puddles of pumping material in said container, means for heating said pumping material, and electrical connections whereby an arc may be established between said puddles.

1,461,191. GAS HEATER. HUBERT R. HUMPHREY, Kalamazoo, Mich., assignor to General Gas Light Company, Kalamazoo, Mich. Filed Feb. 2, 1922. Serial No. 533,652. 9 Claims. (Cl. 126—92.)



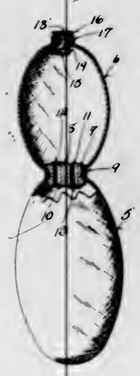
3. In a gas heater, the combination of a frame, a fireback mounted within said frame, radiating elements disposed in front of said fireback, a burner comprising a burner body having a plurality of burner tubes provided with tips adapted to be alined with the radiating elements, a gas manifold provided with a plurality of gas nozzles coacting with said burner tubes, and spaced slideways between which said burner body is slidably supported, said ways projecting at one end of said frame so that the burner may be adjusted to a position within the frame with its tips alined with the radiating elements or withdrawn from the frame as a complete operative unit independently of said radiating elements.

1,461,192. GAS HEATER. HUBERT R. HUMPHREY, Kalamazoo, Mich., assignor to General Gas Light Company, Kalamazoo, Mich. Filed Oct. 23, 1922. Serial No. 596,414. 4 Claims. (Cl. 126—92.)



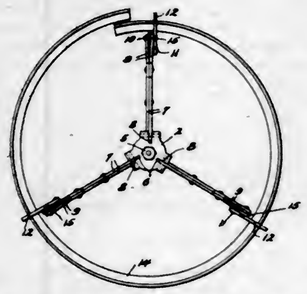
4. In a gas heater, the combination with rear and side walls, of a front frame secured thereto comprising side members and a horizontal frame member extending between the side members, a burner arranged and housed within said walls and frame below said supporting plate, there being an opening between said supporting plate and said front frame side and front members affording access to the burner, and a removable hearth plate constituting a closure for said opening.

1,461,193. PNEUMATIC TOY. HANS LARSEN, Racine, Wis. Filed Feb. 10, 1922. Serial No. 535,521. 1 Claim. (Cl. 46—40.)



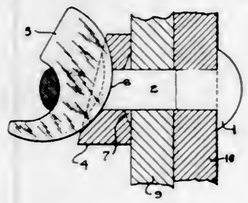
The combination with a pneumatic toy comprising a body portion having an opening surrounded by outwardly projecting flanges, of a plug secured within said opening, said plug having a smooth cylindrical surface and having a duct extending longitudinally inwardly from its outer end and terminating in a laterally extending aperture, an elastic sleeve surrounding the plug and yieldably covering the inner end of the duct, and a binding element surrounding said flanges and binding said flanges against said sleeve and said sleeve against said plug.

1,461,194. SPLIT-RIM TOOL. ALBERT L. LEVY, Youngstown, Ohio. Filed Mar. 28, 1922. Serial No. 547,389. 7 Claims. (Cl. 157—1.)



1. A rim tool comprising relatively movable members, lazy tongs pivotally mounted on the said members and rim engaging elements carried by the lazy tongs.

1,461,195. FASTENING MEANS FOR SHIPS' PLATES. WALDEMAR METER, Woodhaven, N. Y. Filed Oct. 15, 1920. Serial No. 417,239. 7 Claims. (Cl. 85—7.)



1. The combination with a bolt, of a curved wedge cooperating therewith and a member adapted to bear against the work and having a curved seat for the said wedge.

1,461,196. DOOR CONSTRUCTION. NATHAN PAINE, Oshkosh, Wis. Filed Oct. 7, 1921. Serial No. 506,142. 1 Claim. (Cl. 20—35.)

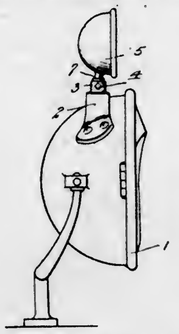


A door comprising an outer frame, an inner frame having a tongue and groove connection therewith and formed of strips mitered together, said inner frame being of material considerably thinner than the outer frame whereby projecting shoulders are produced, molding strips forming fillets along the shoulders, the inner edges of the strips forming the inner frame being molded and grooved, and a panel fitting in the groove thereof.

1,461,197. SIGNAL AND GUIDE LIGHT FOR MOTOR VEHICLES. ANNA PARLOW, Coello, Ill. Filed Sept. 12, 1922. Serial No. 587,724. 1 Claim. (Cl. 240—41.)

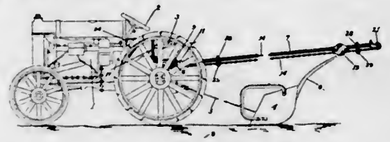
In combination with the main right and left headlights of a motor vehicle mounted in fixed position at the front of the vehicle to illuminate the road directly ahead of the latter, of an auxiliary curve illuminating lamp mounted on top of the casing of each main headlight, said curve illuminating lamps being arranged in forwardly converging relation whereby the paths of their rays cross each other for utilizing the lamp on the right headlight to illuminate a left-hand curve and

the lamp on the left headlight to illuminate a right-hand curve, the mountings of the lamps permitting rotary adjustment of the latter about a vertical axis whereby the desired degree of convergence of said lamps may be had, at will, and means to secure said lamps in adjusted



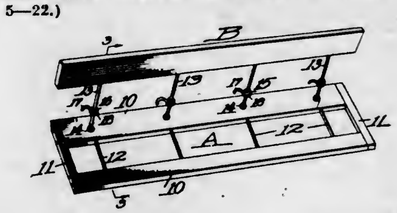
position, each lamp mounting further embodying an inverted U-shaped bracket fixed on the headlight casing and having an integral central hollow boss and a vertical depending stem rigid with the casing of the lamp and rotatably positioned in said boss.

1,461,198. CONTROLLING DEVICE FOR DRAWN IMPLEMENTS. VITAL PELLISSIER, Merced, Calif. Filed Dec. 5, 1921. Serial No. 520,016. 6 Claims. (Cl. 37—124.)



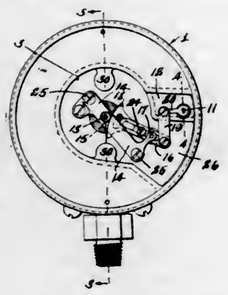
1. A control device for drawn implements comprising a beam universally mounted to a draft vehicle and projecting rearwardly therefrom, a carriage mounted for longitudinal movement on the beam and adapted to be connected to an operating lever of the drawn implement, and means operable from the draft vehicle for moving the carriage in either direction.

1,461,199. BEDCLOTHES HOLDER. CHARLES N. PROUTY, Spencer, Mass. Filed Apr. 28, 1919, Serial No. 293,192. Renewed Dec. 5, 1922. 5 Claims. (Cl. 5—22.)



2. A bed clothes holder comprising a flat rectangular frame having separate end sections, a plurality of rods extending between the two end sections of the frame and rigidly connecting the same, a clamping member cooperating with one end section of the frame and having rods pivoted to the other end section of the frame and disposed in pairs with the first mentioned rods, and separable locking means for locking each pair of rods together, whereby the rods may be separated so that the clamping member can be moved away from the frame, or whereby the clamping member can be clamped to the frame at a plurality of points.

1,461,200. PRESSURE GAUGE. KNUT R. STRANDELL, Syracuse, N. Y. Filed Feb. 2, 1921. Serial No. 441,916. 3 Claims. (Cl. 73—109.)



1. A pressure gauge comprising a casing, a Bourdon tube in the casing, the casing being formed with an arc shaped chamber in which the tube is located, a dial plate on the front of the casing, an indicator movable over the dial and mechanism in the rear of the plate and outside of said chamber for actuating the indicator, said mechanism comprising a rock shaft extending through a wall of said chamber and connected to the Bourdon tube to be rocked thereby.

1,461,201. MEANS FOR ATTACHING STEEL CAR ENDS. WILLIAM E. VAN DORN, Chicago, Ill. Original application filed Nov. 19, 1920, Serial No. 425,040. Divided and this application filed Feb. 17, 1921. Serial No. 445,682. 16 Claims. (Cl. 105—410.)

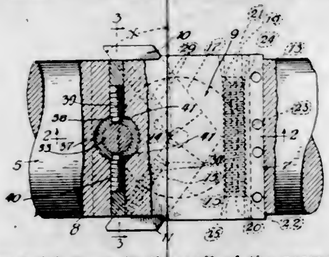


1. The combination with the side walls of a car body, of a sheet metal end having its side marginal portions flanged to engage with the outer faces of said side walls, said end having transverse corrugations bent lengthwise so as to bring the ends on the inner side of the plane of the sheet and the middle portion on the outer side of the plane of the sheet, and reinforcing elements lying within the corners formed by the said walls and said end and secured respectively to the end portions of the corrugations and to the said side walls.

1,461,202. BORING BAR AND THE LIKE. ALAN E. VOSBURG and ROBERT B. WHITNEY, Detroit, Mich., assignors to Arthur V. Hannifin, Chicago, Ill. Filed Apr. 26, 1922. Serial No. 556,775. 11 Claims. (Cl. 77—58.)

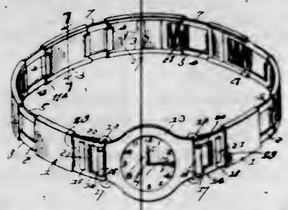
1. In a boring bar the combination of a shaft having a transverse slot with radial end walls, a tool block seated within said slot and fully occupying the axial dimension of the slot, a pair of cutting tools mounted within the tool block, means within the tool block for adjusting said tools towards and from each other, means within the tool block for locking the tools, there being a transversely extending hole in the shaft communicating axially with the transverse slot, there being a tapered recess in the face centrally of the tool block in position to register with said hole, a centering pin extending loosely through the hole and having its inner end tapered and adapted to wedge into the recess of the tool block and having its outer end loosely in threaded engagement

with the shaft, means for exactly centering the position of said pin with respect to the axis of the shaft comprising a collar mounted in the shaft and through which the pin extends in accurate fashion, and a pair of opposing screws in the shaft working on opposite sides of the collar, means for sealing over said set screws, there



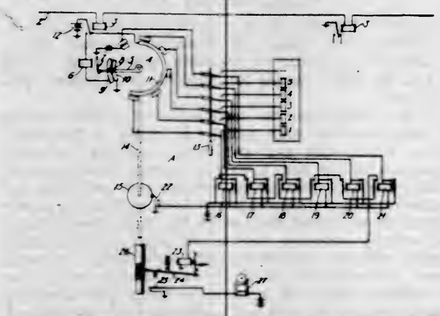
being an axial recess in the wall of the passage aforesaid, and there being an axial recess in the end portion of the pin, said recesses being relatively so positioned that when the pin is jammed into the recess of the tool block said recesses are out of register, substantially as described.

1,461,203. LINK FOR EXPANSIBLE BRACELETS. GEORGE J. BAUER, Pawtucket, and FRANK B. CARLSON, Providence, R. I. Filed July 26, 1922. Serial No. 577,616. 4 Claims. (Cl. 59—79.)



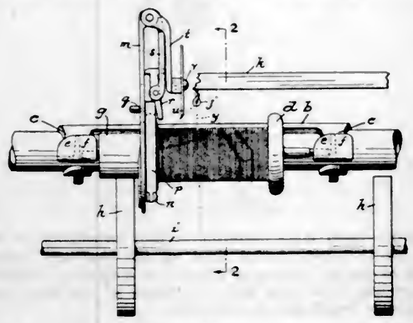
1. In combination, a platen provided with overturned parallel flanges on its longitudinal edges, a pair of loop links slidably engaged with said flanges, the ends of the plate having overturned flanges of lengths substantially equal to the width between the sides of the loop links, said end flanges engaging between the sides of the loop links, a back plate overlying the adjacent ends of the loop links and engaging under the longitudinal and end flanges.

1,461,204. SIGNALING SYSTEM. JOHN H. BALL, South Orange, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y., a Corporation of New York. Filed Apr. 17, 1920. Serial No. 374,596. 14 Claims. (Cl. 178—23.)



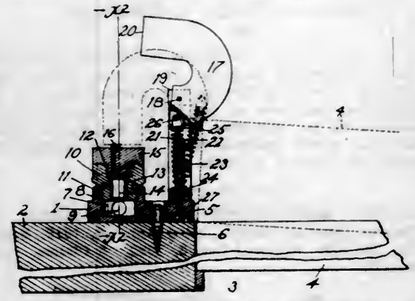
11. In combination with a printer mechanism, a line, a plurality of relays, a distributor, a switch controlling the connection of said printer mechanism and said relays with said distributor, a signaling device, and means operated due to the energization of certain ones of said relays and rendered effective only upon the successive reenergization of such relays a definite number of times for causing the operation of said signaling device.

1,461,205. SPOOLING MACHINE. LOUIS BERZON, Philadelphia, Pa., assignor of one-third to himself, one-third to Joseph Brezin, and one-third to William Kosakoff, all of Philadelphia, Pa. Filed July 28, 1922. Serial No. 578,036. 5 Claims. (Cl. 242—39.)



1. In a yarn spooling machine, a spool, means to drive the spool, a thread of yarn to be spooled, means to reciprocate the thread of yarn in its passage to the spool longitudinally thereof during the winding operation, and means actuated by the reciprocated thread of yarn in its passage to the spool adapted to interrupt the drive of the spool.

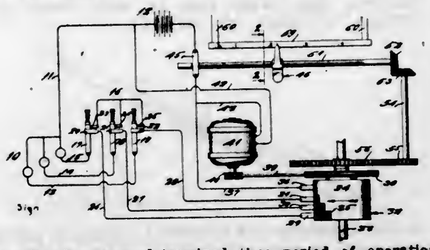
1,461,206. BURGLAR ALARM. JAMES EDWARD BOND, Sawtelle, Calif. Filed June 28, 1921. Serial No. 480,986. 9 Claims. (Cl. 116—88.)



8. A burglar alarm comprising a base adapted to be attached to a door or window frame, said base having a cartridge chamber therein, a firing pin for discharging a cartridge in said chamber, a bifurcated post secured to said base, a hammer pivoted to said post and having a shoulder, a rod pivoted to said shoulder, a tube telescoping said rod and pivotally connected to said post; a spring under tension arranged between the pivoted end of said rod and the base of said tube; said spring adapted to hold said hammer in striking position; and means whereby opening of a door or window will cause said spring to actuate said hammer against said pin.

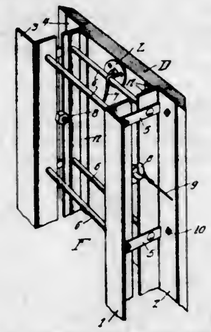
1,461,207. AUTOMATIC ELECTRIC-CIRCUIT-CONTROL MECHANISM. FRANK J. BONK and ARTHUR W. STEWART, Ripon, Wis. Filed Dec. 19, 1921. Serial No. 523,468. 1 Claim. (Cl. 177—346.)

In a sign flashing mechanism, a contact drum, a motor for actuating said drum, a source of current supply connected in circuit with the sign, said drum and said motor, a switching device connected in the circuit, a screw shaft driven from said motor and simultaneously with said drum, a threaded member predeterminately mounted on and movable by said shaft for actuating said switching device for effecting the opening of the



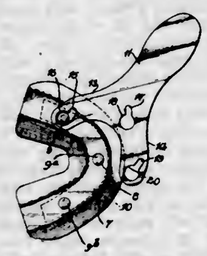
circuit after a predetermined time period of operation of said flashing mechanism, and a bar extending parallel to said shaft and having scale graduations thereon in hours and fractions thereof for the setting of said detent for predetermined periods of operation of said flashing mechanism.

1,461,208. SILO-DOOR FRAME. CASPER M. B. BOOS, Chicago, Ill. Filed Aug. 31, 1921. Serial No. 497,167. 8 Claims. (Cl. 72—6.)



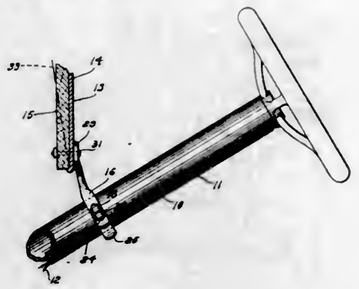
1. In a structure of the character described, a frame comprising pairs of spaced angle-irons at the sides of the frame, spaced members of pre-determined lengths connected to said angle-irons for holding the angle-irons a given distance apart to provide for adjustably connecting stay means in the pairs of angle-irons, and stay means adjustably connected thereto.

1,461,209. DETACHABLE HOLDER FOR DENTAL IMPRESSION TRAYS. JOSIAH S. BRIDGES, Chicago, Ill. Filed Mar. 13, 1922. Serial No. 543,186. 5 Claims. (Cl. 32—6.)



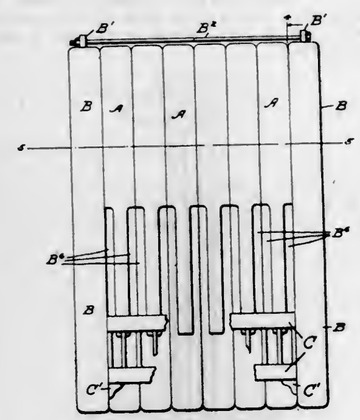
1. A detachable holder for dental impression trays, provided with branching arms and having closed slots adjacent the ends of said arms and at a point intermediate thereof for detachably securing the tray to the holder in its operative position against accidental detachment.

1,461,210. BRACKET. JOHN T. CORLEY, Providence, R. I. Filed Sept. 25, 1922. Serial No. 590,335. 2 Claims. (Cl. 280—87.)



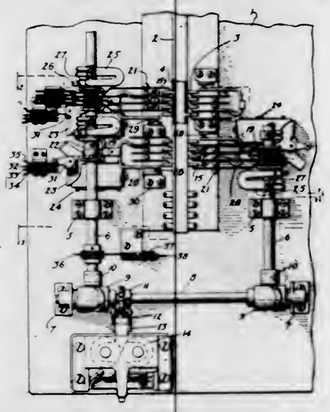
1. A bracket formed of bendable metal having a yoke portion adapted to embrace the steering column of a motor vehicle, a cap removably secured to said yoke to bind the column therein, a short neck portion on said bracket having laterally-extending fastening flanges on its upper end, said neck portion having its side edges turned back forming a trough in the under side thereof which gradually increases in depth from the flange to said yoke portion whereby said neck portion is adapted to be bent or twisted relative to the yoke portion to conform to the varying planes of the different fastening bases.

1,461,211. FIREPLACE. WALTER E. DE ARMOND, Knoxville, Tenn. Filed Feb. 20, 1922. Serial No. 538,070. 34 Claims. (Cl. 126—132.)



1. In a structure of the kind described, the combination of upright side members, upright intermediate members bearing against each other and the side members and having their upper and lower and back faces and the upper parts of their front faces approximately even with the corresponding faces of the side members and being channeled on their side faces, the upper ends of the channels opening through the upper faces of said members, and means for securing said side members and said intermediate members to each other, substantially as described.

1,461,212. TELEPHONE-EXCHANGE LINE SWITCH. HENRY F. DOBBIN, New York, N. Y., assignor to Western Electric Company, Incorporated, New York, N. Y., a Corporation of New York. Filed Aug. 24, 1920. Serial No. 405,626. 12 Claims. (Cl. 179—27.5.)



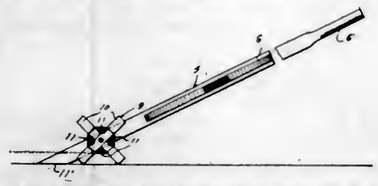
1. In a switch, a stationary contact, a moveable contact member operably associated with said stationary contact, means for moving said contact member relative to said stationary contact, means operable to restrain said contact member from movement relative to said stationary contact, and means conjointly associated with said first mentioned means and said contact member whereby said contact member when not restrained is moved simultaneously with said first mentioned means and whereby when said contact member is restrained said first mentioned means can be moved independently thereof.

1,461,213. SUPERHEATER. GEORGE P. DRAVO, Milwaukee, Wis. Filed July 3, 1919, Serial No. 308,568. Renewed Oct. 25, 1920. Serial No. 419,488. 4 Claims. (Cl. 22—460.)



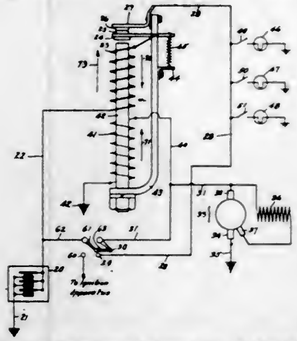
1. In a superheater the combination of an inlet chamber, a heating tube connected at one end with said chamber and having an outlet at the other end, a perforated core pipe extending from said chamber with which it communicates at one end into the heating tube with which it forms an annular passage of enlarged size adjacent the outlet end of the heating tube, and a bushing interposed between the heating tube and core pipe adjacent its inlet end and formed with an opening from said chamber into said passage.

1,461,214. WIRE DISTRIBUTOR. JOHN W. HENDRIX, Baldwyn, Miss. Filed June 18, 1919. Serial No. 305,118. 1 Claim. (Cl. 254—77.)



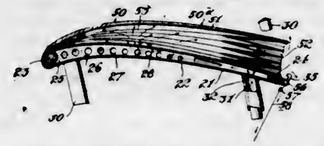
A wire distributor and stretcher comprising a pair of parallel side members each having a handle formed on one end, each of said side members having their lower end portions cut away to provide flat ground engaging runners and sharp ground penetrating prongs, a distributing reel rotatably mounted between said side members, said reel being provided with spaced radial arms at each of its ends, said side members extending a distance beyond the distributing reel, and the arms of the reel adapted to be thrust into engagement with the ground to prevent the reel rotating and to permit of stretching of the wire, and the penetrating end of the side members being engageable with the ground when the reel is elevated and adapting the device for further stretching of the wire owing to the leverage obtainable by using the side members as stretching levers.

1,461,215. SIGNAL. JOHN H. HUNT, Dayton, Ohio, assignor to The Dayton Engineering Laboratories Company, a Corporation of Ohio. Filed Sept. 30, 1918. Serial No. 256,162. 1 Claim. (Cl. 177—311.)



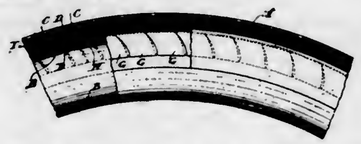
In an electrical system a generator, a storage battery and electrical signaling means for indicating when the battery is discharging through said generator, said signaling means including an electromagnet comprising a core and an electromagnetic winding, an armature for said magnet, a switch comprising a contact carried by said armature and a stationary contact and means for yieldingly holding said contacts together; a circuit connecting said battery to said generator and including said electro-magnetic winding and said switch in series, whereby the circuit will be intermittently opened when said magnet is energized and an indication will be given by the striking of the contacts against each other; and a polarizing winding on said magnet core connected across the terminals of said generator to prevent said magnet from attracting its armature when current is flowing from said generator to said battery and to permit it to attract its armature when current is flowing from said battery to said generator.

1,461,216. SAFETY DEVICE FOR FLYING MACHINES. SIDNEY D. JACOBSON, New York, N. Y. Filed Mar. 25, 1922. Serial No. 546,571. 6 Claims. (Cl. 244—21.)



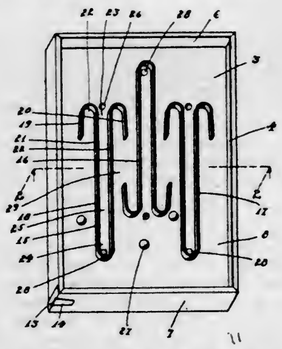
4. In a flying machine, a source of supply of inflating gas under pressure, a plurality of inflatable members attached to said flying machine, each of said inflatable members comprising a false plane member and associated flexible members forming a balloon compartment, locking means for normally maintaining said inflatable members in deflated condition, means for releasing said locking means to permit the inflation of said inflatable members, and means associated with said releasing means and cooperating therewith for bringing said inflatable members into communication with said source of supply of inflating gas to inflate said inflatable members.

1,461,217. PUNCTUREPROOF RELINER FOR PNEUMATIC TIRES AND CASINGS. DAVID L. LAZERICK, Cleveland, Ohio. Filed Jan. 30, 1922. Serial No. 532,594. 1 Claim. (Cl. 152—18.)



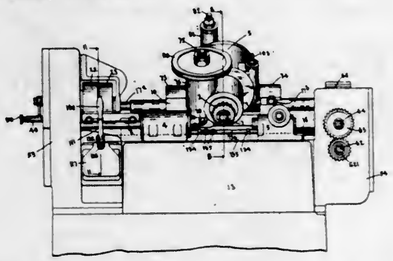
A shield for a pneumatic tire or tube comprising a band of thin sheet metal curved to conform to the circumferential curves of said tube and tire, said band provided with parallel arcuate marginal slits, alternate slits being cut from opposite edges of said shield, said slits overlapping each other beyond the axial center of the band at their outer ends, the tongues separated by said slits having their adjoining edges overlapping and the rear edge of each tongue overlapping the forward edge of the next adjoining tongue, the extremities of said slits extending rearwardly upon the road side of said tire.

1,461,218. GAME. RUDOLPH N. MAXWELL, Cincinnati, Ohio. Filed June 28, 1922. Serial No. 571,365. 3 Claims. (Cl. 46—41.)



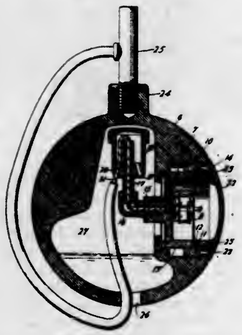
1. In a game of the class described the combination of a series of substantially U shaped strips having a main pocket formed at their base, the arms of the strips being turned upon themselves at their free ends, whereby to form auxiliary pockets adjacent the ends of the arms, the strips being disposed with their arms in substantial parallelism one with the other, adjacent strips having their main pockets disposed at opposite ends of the device, and movable bodies adapted to be lodged in the pockets.

1,461,219. MACHINE FOR GENERATING AND CUTTING THREADS AND THE LIKE. EDWARD W. MILLER, Springfield, Vt., assignor to The Fellows Gear Shaper Company, Springfield, Vt., a Corporation of Vermont. Filed Nov. 15, 1921. Serial No. 515,291. 16 Claims. (Cl. 90—4.)



1. A thread generating machine comprising a cutter holder, a cutter rotatably mounted upon said holder and having a dentate cutting edge similar in outline to a gear wheel, means for supporting a substantially cylindrical work piece and rotating said work piece about its geometric axis, means for effecting relative displacement between the cutter holder and work piece in the direction of the axis of the latter, and means for rotating the cutter consisting of a worm wheel rigidly connected with the cutter but of different pitch diameters and a rotatable worm in mesh with said worm wheel, the worm being at the same time displaced endwise relatively to the cutter holder at such a rate that the cutter is caused both to rotate in the manner of a worm wheel in mesh with a worm corresponding to the work piece and to roll relatively to the work piece in the manner of a gear wheel rolling in mesh with a rack.

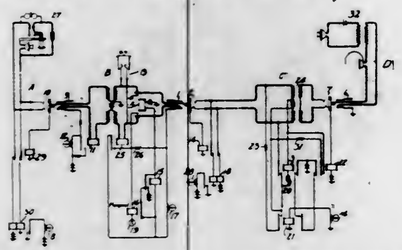
1,461,220. SUBMARINE SIGNALING. CHARLES R. MOORE, Wyoming, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y., a Corporation of New York. Filed July 28, 1919. Serial No. 313,730. 5 Claims. (Cl. 177—386.)



1. In apparatus for the detection of under-water vibrations, a hollow casing adapted to be submerged, said cas-

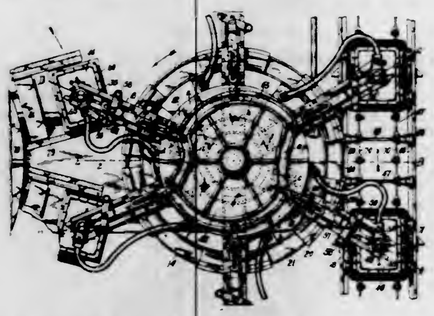
ing being provided with an opening, placing the interior of the casing into direct communication with the surrounding water, means within said casing including a diaphragm responsive to vibrations to vary the electrical characteristics of a circuit, means communicating between the interior of said casing and the inner side of the diaphragm to permit compensating for the hydrostatic pressure acting on the diaphragm, and additional means for preventing water from reaching the current-varying means.

1,461,221. TELEPHONE-EXCHANGE SYSTEM. LOUIS A. MORTIMER, New York, N. Y., assignor to Western Electric Company, Incorporated, New York, N. Y., a Corporation of New York. Filed Nov. 19, 1920. Serial No. 425,078. 10 Claims. (Cl. 179—44.)



9. In a telephone exchange system, a subscriber's line, a trunk line, means for establishing a connection therebetween, a ringing circuit closed by the establishment of said connection, a relay in the trunk line actuated in response to the closure of said circuit, a second relay, a signal actuated in response to the operation of said first mentioned relay, and means controlled jointly by said first mentioned and said second relay for rendering said ringing circuit ineffective.

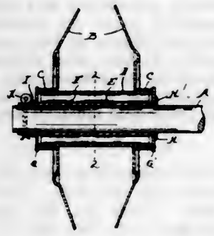
1,461,222. MACHINE FOR DELIVERING CORES TO MOLDS. HUBERT A. MYERS, Toledo, Ohio, assignor to The Hubert A. Myers Company, Toledo, Ohio, a Corporation of Ohio. Filed July 9, 1920. Serial No. 394,918. 19 Claims. (Cl. 198—25.)



1. In a machine of the class described, a revoluble member, a suction head carried by the member for revoluble movements therewith and different movements relative thereto, and mechanism automatically operable to create a suction in the head at one point in its revolution to pick up an article at such point and to release the suction at a different predetermined point in a revolution of the head to release an article carried thereby, and also to impart predetermined movements to the head relative to the member.

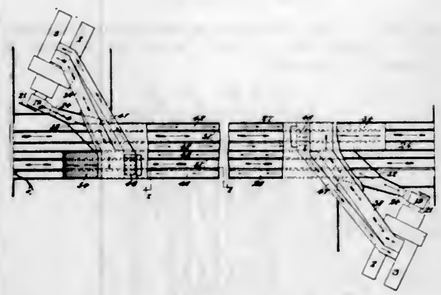
19. In a machine of the class described, an article conveyer having linear movements, a revoluble member adapted to pass over the conveyer during a portion of its revoluble movement, an article picking up head carried by the member, separate means automatically operable to impart vertical, radial and horizontal rocking movements to the head to maintain it in article picking up register with the conveyer during a predetermined portion of a revolution of the head, and means for creating a suction in the head at one point in its revolution and releasing it at another point in its revolution.

1,461,223. HUB-BEARING CONSTRUCTION. FRANK A. NAUTS, Toledo, Ohio, assignor to The Gendron Wheel Company, Toledo, Ohio, a Corporation of Ohio. Filed Mar. 6, 1922. Serial No. 541,627. 1 Claim. (Cl. 301—3.)



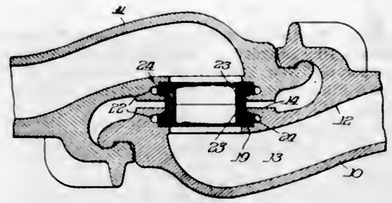
The combination with an axle, of a skein embracing said axle, a hub having a barrel surrounding said skein, anti-friction members between said skein and said barrel, a washer surrounding said skein at the outer end thereof and abutting against one end of said barrel, knobs upon said skein retaining said washer in position, the inner end of said skein being reduced in diameter to provide a shoulder, a washer surrounding the reduced portion of said skein and abutting against said shoulder as well as the other end of said barrel, the reduced portion of said skein being upset to retain the last-mentioned washer in abutment with said shoulder, and means for restraining said skein against rotation and longitudinal movement upon said axle.

1,461,224. DRYING APPARATUS. JOHN W. PEARSON, San Francisco, Calif. Filed Dec. 13, 1919. Serial No. 344,689. 13 Claims. (Cl. 34—26.)



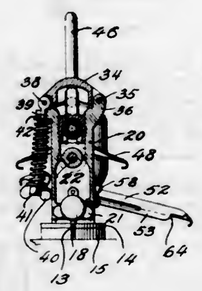
1. A drying apparatus comprising an elongated chamber in which the product to be dried is placed, means for producing a mixture of air and products of complete combustion, means for blowing the mixture into the chamber at one end and a gate at the other end of the chamber arranged to deflect the stream of mixture upwardly and a conduit mediately connected to the other end of the chamber arranged to receive said deflected stream.

1,461,225. COUPLING HEAD. WILLIAM L. READ, Chicago, Ill., assignor of one-half to Charles F. Read, Chicago, Ill. Filed Apr. 16, 1921. Serial No. 461,835. 8 Claims. (Cl. 285—63.)



1. A coupling head, comprising a body having a port extending therethrough, and a substantially flat ring of non-corrodible material surrounding said port, the inner diameter of said ring being substantially flush with the walls of said port and the perimeter of said ring being entirely surrounded by and anchored in the metal of said body.

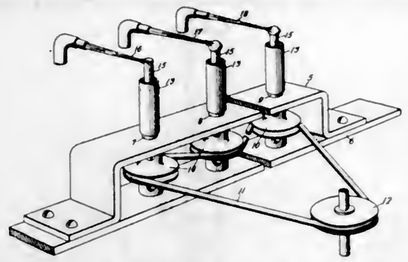
1,461,226. CLOTHES WRINGER. CHARLES E. REDDIG, Richmond Hill, N. Y., assignor to Western Electric Company, Incorporated, New York, N. Y., a Corporation of New York. Filed Sept. 14, 1920. Serial No. 410,114. 3 Claims. (Cl. 68—32.)



1. In a clothes wringer, the combination of a supporting frame having end members, a roller journaled in said end members, a second roller, bearings for the second roller slidingly mounted in said end members, yokes pivotally mounted on the tops of said end members and extending over the bearings for the second roller, tension devices cooperating with said yokes and tending to hold them in a certain position and knock down connections between said yokes and said movable bearings for the second roller which in one position require the movable bearings and yokes to move in unison and in another position leave said bearings free to move independently of said yokes.

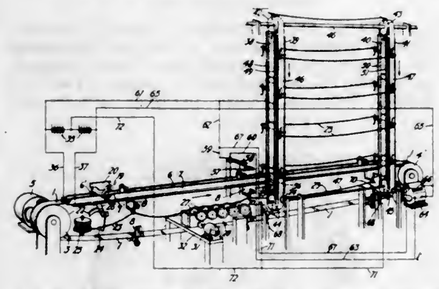
1,461,227. VACUUM-TUBE MANUFACTURE. PAUL SCHWERIN, New York, N. Y., assignor to Western Electric Company, Incorporated, New York, N. Y., a Corporation of New York. Filed Oct. 6, 1919. Serial No. 328,820. 5 Claims. (Cl. 49—7.)

5. A machine for shaping the end of a glass rod comprising a rotatable shaft, a protecting tubular member carried by said shaft and surrounding the major portion of said glass rod for shielding said major portion from the direct application of heat, means located entirely within said tubular member for holding said rod in a



position to allow only a small portion of said rod to project beyond said tubular member, and means for heating the end of said rod beyond said tubular member.

1,461,228. METHOD AND APPARATUS FOR COATING MATERIAL. PAUL SCHWERIN, New York, N. Y., assignor to Western Electric Company, Incorporated, New York, N. Y., a Corporation of New York. Filed Oct. 17, 1919. Serial No. 331,334. 23 Claims. (Cl. 91—14.)



3. In combination, means for gripping and feeding filamentary material, a second means for gripping said material at regular intervals, and means for impressing a difference of electrical potential between said gripping means to fuse the material therebetween.

4. The method which comprises feeding forward a continuous filamentary material, coating said filamentary material while being heated by an electric current, and severing a portion of the coated material by fusion as said material is fed forward.

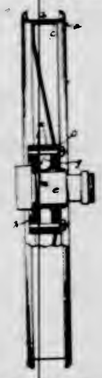
7. The method which comprises feeding forward a continuous piece of material, alternately coating and glowing said piece of material and severing portions of said piece of material by fusion as said material is fed forward.

21. A machine for feeding material which comprises an endless conveyor, a plurality of spaced material grippers attached to said conveyor, means cooperating with said grippers for causing the severing of said material into portions of equal length.

1,461,229. DISK WHEEL. GEORGE D. SLAYMAKER, Detroit, Mich., assignor to Slaymaker Electric Welding Company, a Corporation of Michigan. Filed Aug. 11, 1919. Serial No. 316,580. 2 Claims. (Cl. 301—63.)

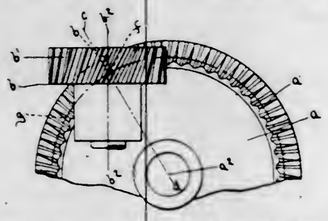
1. In combination with a hub provided with a flange provided with bolt holes and which is substantially offset from the plane of the center of the tread, a disk wheel provided with a central portion having bolt holes, a plurality of threaded studs passing through the said bolt openings in the flange and in the disk of the wheel, a stud-carrying ring for non-rotatably holding the inner

ends of said studs, a spacer in the form of an annulus having bolt openings through which the said studs can pass and having an annular spacing and enclosing flange



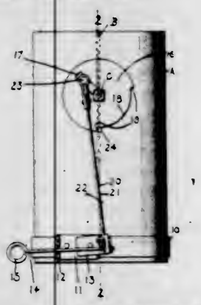
adapted to act as the spacing element between the outside of the hub flange and the central portion of the disk, and nuts that can be run on the ends of the bolts to fasten the wheel, spacer and flange together.

1,461,230. SKEW HELICAL CROWN GEARING. EVERARD STUBBS and EDWIN R. FELLOWS, Springfield, Vt., assignors to The Fellows Gear Shaper Company, Springfield, Vt., a Corporation of Vermont. Filed July 1, 1922. Serial No. 572,200. 10 Claims. (Cl. 74—41.)



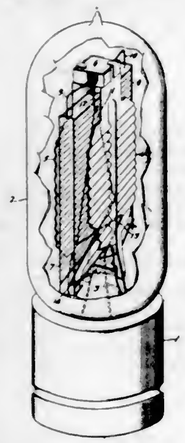
1. A gear couple consisting of a crown gear and a helical spur pinion, the axis of the pinion being transverse to the axis of the gear and between the latter axis and the tooth-bearing zone of the gear, and the helix angle of the pinion teeth being such that the active face of each tooth becomes approximately radial to the gear when such face passes through the middle of its arc action.

1,461,231. DAMPER CONTROL. LEWIS O. SUDDERBERG, Stratford, Iowa. Filed Apr. 17, 1922. Serial No. 553,355. 3 Claims. (Cl. 236—96.)



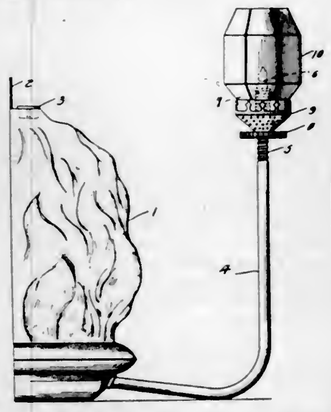
1. In combination with a damper pivoted within a heating pipe, a thermostatic control comprising a disk secured upon the pivot of the damper and formed with a slot, a thermostatic element of dissimilar metals having one end mounted upon the pipe and having its other end carrying a pin engaged within said slot, said thermostatic element being pivoted with respect to the pipe whereby it may be swung to withdraw the pin from the slot.

1,461,232. FILAMENT SUPPORT. SIGURD THRONSEN, Chicago, Ill., assignor to Western Electric Company, Incorporated, New York, N. Y., a Corporation of New York. Filed Sept. 3, 1918. Serial No. 252,379. 4 Claims. (Cl. 250—27.)



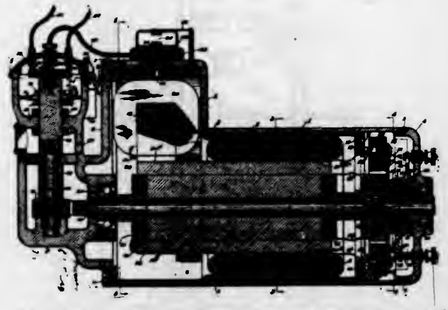
1. An electric device comprising a filament, a rigid support therefor and means to tension said filament comprising a pair of resilient wires, each wire being provided with a return bend portion and having one of its ends connected with said filament.

1,461,233. NIGHT LAMP. EDGAR L. TRENTESEAU, Boston, Mass. Filed Mar. 10, 1922. Serial No. 542,657. 2 Claims. (Cl. 67—72.)



1. In a lamp of the character specified, a tube having its upper end portion externally screw threaded, a wick within the tube, and a burner comprising a threaded tube mounted upon the threaded end of the wick tube and adjustable thereon for regulating the light or extinguishing the same.

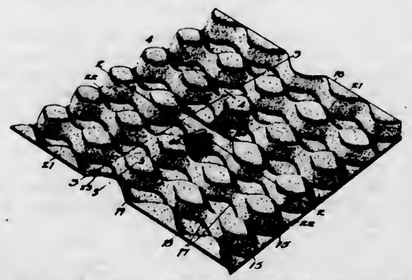
1,461,234. SYSTEM FOR GENERATING AND DISTRIBUTING ELECTRIC CURRENTS. CHARLES H. TOWER, Cleveland, Ohio, assignor to The Teagle Company, Cleveland, Ohio, a Corporation of Ohio. Filed Apr. 3, 1919. Serial No. 287,108. 28 Claims. (Cl. 290—41.)



15. In a single unit direct low tension current and high tension ignition current generator, the combination of a unitary magnetic field structure having branched flux paths, separate generating windings in said paths respectively, one for low tension direct current and the other for high tension ignition current, a rotor common to said windings and having at one end a flux distributing section for distributing flux of the field first through and then outside of said high tension generating winding and an exciting winding disposed in said field structure to excite in common the magnetic circuits for both of said windings.

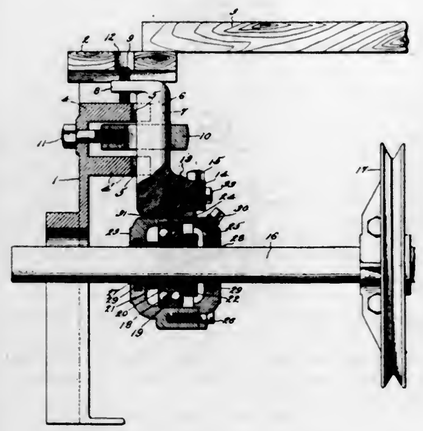
28. In an electrical system, the combination of stator and rotor structures comprising the fixed and moving parts, respectively, of two magnetic circuits, a high tension ignition current generating winding mounted on the stator in inductive relation to one of said magnetic circuits, a low tension commutated direct current generating winding mounted on the stator in inductive relation to the other magnetic circuit, means for exciting both of said magnetic circuits comprising an exciting winding common to both of said magnetic circuits and mounted on the rotor and connections between the low tension direct current generating winding and said exciting winding to supply direct current to the latter, the rotor being adapted in operation to distribute field flux through the high tension generating winding alternately in opposite directions and to induce electro-motive force in the low tension generating winding, and a circuit breaker operated synchronously with the movement of the rotor for opening and closing the circuit of the high tension generating winding.

1,461,235. DIVISION PLATE FOR EGG CASES. J CLARENCE VOORHORST, New York, N. Y. Filed Oct. 21, 1921. Serial No. 509,228. 24 Claims. (Cl. 217—26.)



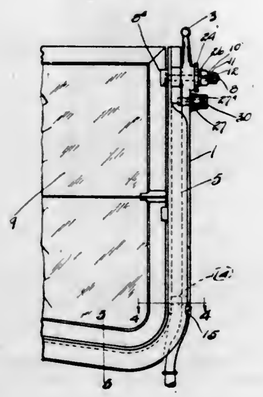
1. A tray division plate for packing cases whose receiving face is a series of parallel receptor corrugations compressible in the case.

1,461,236. SHAFT HANGER. IRVING F. WEBB, Elizabeth, N. J., assignor to The Singer Manufacturing Company, Elizabeth, N. J., a Corporation of New Jersey. Filed June 12, 1920. Serial No. 388,460. 5 Claims. (Cl. 64—14.)



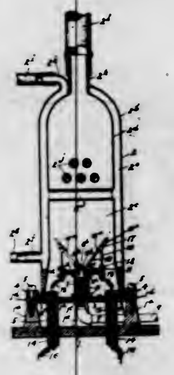
1. In a device of the class described, a supporting means provided with a lug rigid therewith and having a recess, a support having a portion adapted to rest in said recess, means for clamping said support therein, means independent of the clamping means for adjusting the support in said supporting means, and a bearing secured to the support.

1,461,237. SAFETY WINDSHIELD. RALPH H. WEST, Bay City, Mich. Filed Mar. 19, 1921, Serial No. 453,562. Renewed May 24, 1923. 6 Claims. (Cl. 296—84.)



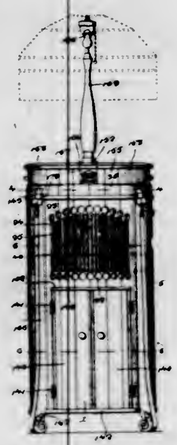
1. A safety wind-shield comprising a frame, an auxiliary frame pivotally connected thereto, frictional means for normally holding the said frame in closed position, and a ratcheting element for holding the said frame in raised position when swung outwardly by inertia.

1,461,238. OZONIZER. MENDAL W. WILLSON, Mount Carmel, Ill. Filed Mar. 3, 1922. Serial No. 540,848. 26 Claims. (Cl. 204—32.)



1. An ozonizer electrode having relatively sharp edges resulting in high concentration of electrical discharge at such edges.

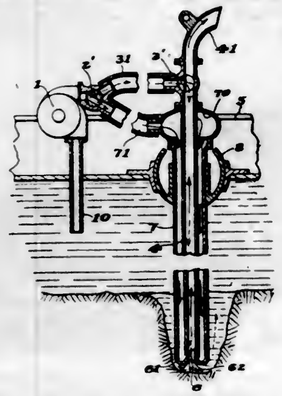
1,461,239. CABINET CONSTRUCTION. WILLIAM H. FRIEDLINE, Meyersdale, Pa., assignor to Modernola Company, Johnstown, Pa., a Corporation of Pennsylvania. Filed Nov. 21, 1919. Serial No. 339,708. 29 Claims. (Cl. 144—309.)



1. The process of producing a wooden cabinet which includes the assembling of a plurality of staves into a cylinder, cutting an end portion from the cylinder transversely to the grain of the staves, and connecting said end portion with the remainder of the cylinder with the stave portions in matched relation whereby the longitudinal continuity of the grain is attained.

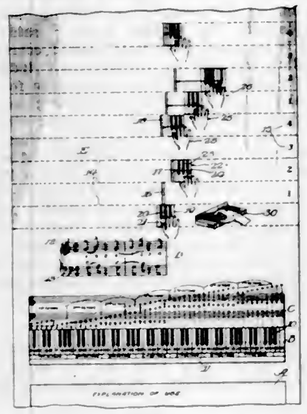
1,461,240. DREDGE. BERT O. GODFREY, Seattle, Wash. Filed Oct. 24, 1922. Serial No. 596,547. 8 Claims. (Cl. 37—61.)

1. In combination, a force pump and two conduits open at their lower ends, one of said conduits being connected to the pump, and terminating at its lower end in annular suction jet directed upwardly within the lower end of the second conduit, and means whereby water



from said pump may be directed upwardly through said jet and the second conduit, or downwardly through the lower end of the first conduit, at will.

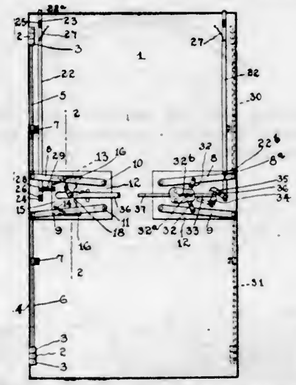
1,461,241. MEANS FOR INSTRUCTION WITH RESPECT TO MUSICAL INSTRUMENTS. JAMES CLARKE HAGEY and THOMAS E. KAVANAUGH, Chicago, Ill., assignors, by mesne assignments, to The Q R S Music Company, Chicago, Ill., a Corporation of Illinois. Filed Aug. 13, 1919. Serial No. 317,159. 7 Claims. (Cl. 84—164.)



1. A device, for use in an automatic key-board musical instrument, provided with means for selectively causing the sounding of the notes of a selection, and provided also with means for indicating to a pupil the keys which should be struck in playing the selection manually, said last means including key-board depictions.

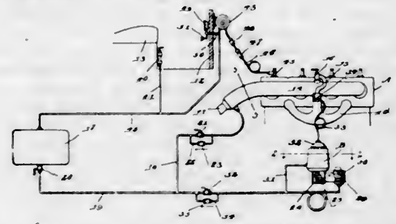
1,461,242. CLOSURE DEVICE. MICHAEL HORNSTEIN, Paterson, N. J. Filed Sept. 26, 1921. Serial No. 503,193. 3 Claims. (Cl. 16—147.)

2. The combination, with a closure device, having hinge parts on opposite sides thereof capable of mating with complementary hinge parts on a casing, removable pivot-bolts to engage the respective hinge parts, separate means for actuating the pivot-bolts, and handles at opposite sides of the closure device to operate said actuating means for the engagement and disengagement of said pivot-bolts, of normally separated opposed members extended from and operable respectively by the bolt actuating mechanism at each side of the closure member



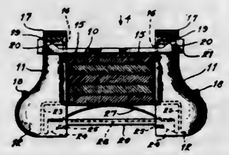
whereby, when said mechanism at one side has been actuated, the member extended from such mechanism will engage the member extended from the mechanism at the other side of the closure member and thereby prevent its operation.

1,461,243. VAPORIZING DEVICE. FRANK HOWARD, Potter, Ky. Filed Mar. 9, 1920. Serial No. 364,497. 2 Claims. (Cl. 48—102.)



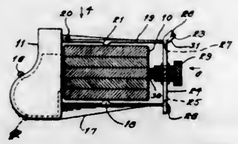
1. A vaporizer of the character described comprising a wick chamber, a float chamber arranged to one side of and communicating with the wick chamber, a float valve controlling said communication, spaced concentrically disposed heating chambers, a supply pipe communicating with both the said float chamber and the said heating chambers, a dome common to both of said heating chambers, and an outlet pipe leading from said dome.

1,461,244. SPRING OILER. EDWARD W. LEECH, Jr., Baltimore, Md. Filed Mar. 29, 1922. Serial No. 547,619. 3 Claims. (Cl. 184—1.)



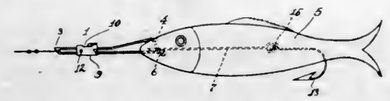
2. In a spring oiler, the combination with a leaf spring, a link bearing on the top of said spring, oiling members comprising means for oiling said spring each slidably connected at one end to said link, a locking bar slidably connected to the other ends of said members and a spring for pressing said link and members towards said leaf spring.

1,461,245. SPRING OILER. EDWARD W. LEECH, Jr., Baltimore, Md. Filed Aug. 24, 1922. Serial No. 584,109. 10 Claims. (Cl. 184—1.)



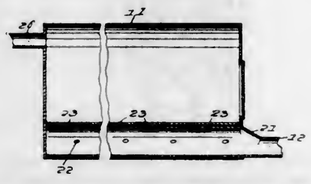
1. In a spring oiler, the combination with a leaf spring, of an oiling member mounted on one side thereof and comprising a reservoir for oil and means for distributing said oil to said spring, projections on said member extending across the top and bottom of said spring, and a clamp having sliding engagement with one projection and pressing against the other side of said spring and cooperating with said projections to press said member against said first named side and to press said projections against the top and bottom of said spring.

1,461,246. FISHING TACKLE. ALFRED H. LENT, Capitola, Calif. Filed July 15, 1922. Serial No. 575,146. 2 Claims. (Cl. 43—40.)



2. A fastening link having a loop at one end thereof, the other end of said link having an enlarged loop formed therein, a locking arm extending from said enlarged loop, a sleeve surrounding said link, said sleeve being adapted to receive the locking arm, a pin through said sleeve, said pin being adapted to move in said loop, a hook on the end of the locking arm, and said sleeve having an aperture in the bottom thereof adapted to receive said hook, and an extension adapted to be connected to the fishing hook and said fastening link.

1,461,247. ORCHARD HEATER. GEORGE LINGENFELTER, Sandy, Oreg. Filed Dec. 17, 1920. Serial No. 431,385. 2 Claims. (Cl. 126—59.5.)

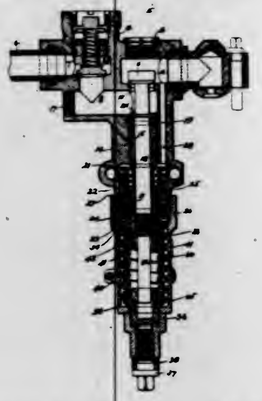


1. An orchard heating apparatus having a horizontal furnace provided at one end and near the top with an outlet, a blast pipe extending longitudinally through the furnace near the bottom thereof, arched plates spanning the enclosed portion of the blast pipe and having lateral distributing openings, and means for supplying a blast to said pipe.

1,461,248. REDUCING VALVE. JAMES W. MCCONNELL, Washington, D. C., assignor to Government of the United States. Filed May 23, 1918. Serial No. 236,241. 1 Claim. (Cl. 50—23.)

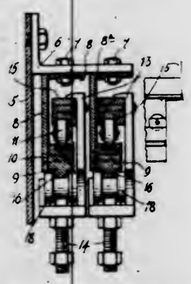
A pressure regulating apparatus comprising in combination a valve casing of air tight construction having high and low pressure chambers, a valve in said casing exposed to high and low pressure on its opposite sides, slidable means in said casing and connected to said valve,

a spring associated with said slidable means acting on said valve through said slidable means, a tubular convoluted diaphragm whose free end is hermetically connected to said slidable means, and the opposite end hermetically connected to said casing, said diaphragm providing the effect of a hermetic frictionless packing adapted to prevent leakage of fluid from the high pressure chamber in



said casing from around or between said slidable means into the part of the casing where said spring is confined, and a passage leading from that part of the casing external to the diaphragm to the low pressure chamber in said casing to carry off leakage and thus prevent loss of air or other fluid, the effective surface of said valve, slidable means and diaphragm being substantially equal.

1,461,249. ELEVATOR-DOOR HANGER. OSCAR P. MCGEE, Dallas, Tex. Filed June 11, 1921. Serial No. 476,793. 1 Claim. (Cl. 16—97.)



A hanger for suspending elevator doors, comprising a back or base plate, angle plates spaced apart longitudinally thereof and connected to the back plate; parallel grooved trackways spaced apart and suspended from the angle plates; a longitudinally projecting rail on the underside of said suspended trackways; hanger plates carrying doors and having plates vertically extending above the suspended trackways; a plurality of roller bearings spaced apart and disposed between said suspended trackways and said upper trackways and grooved rollers carried by the hangers and adapted to ride against said longitudinally projecting under rail.

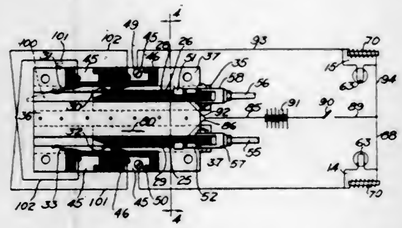
1,461,250. BRACELET. PEARL B. MCKENZIE, Sedalia, Mo. Filed Oct. 31, 1921. Serial No. 511,722. 3 Claims. (Cl. 224—28.)

2. A bracelet attachment of the character described, comprising a member having a portion disposed within the bracelet and a portion disposed exteriorly thereof and spaced therefrom, and means slidable within the bracelet



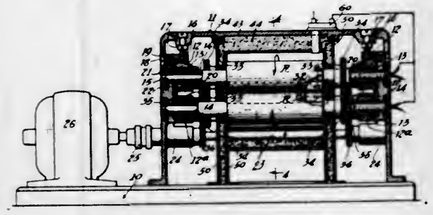
and cooperating with said member to hold the exterior portion thereof in gripping relation with the bracelet for the purpose specified.

1,461,251. AUTOMOBILE SIGNAL. PETER MCLAREN, Whittier, Calif. Filed May 23, 1921. Serial No. 471,773. 3 Claims. (Cl. 177—337.)



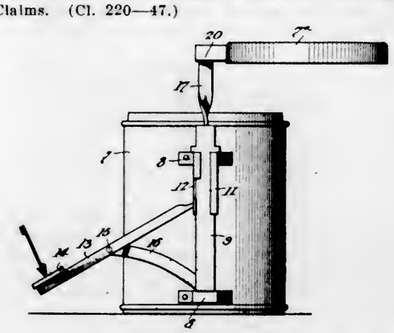
1. In a signaling device the combination of: a suitable number of electrically operated signals; levers adapted to actuate certain mechanisms; switch means associated with one of said levers to close an electric circuit including certain of said signals when said lever is partially advanced, said switch means to close a circuit including all of said signals when said lever is advanced sufficiently to actuate said mechanism associated therewith; and switch means associated with another of said levers to close a circuit including another of said signals when said secondly named lever is partially advanced, said secondly named switch means to close a circuit including all of said signals when said secondly named lever is advanced sufficiently to actuate said mechanism associated therewith.

1,461,252. BILL IRONER AND STERILIZER. EDWARD H. MOYLE, Los Angeles, Calif., assignor of one-half to Oscar M. Souden, Los Angeles, Calif. Filed Aug. 12, 1920. Serial No. 402,963. 8 Claims. (Cl. 92—71.)



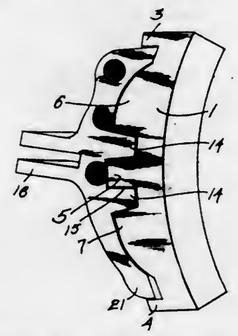
1. In combination, a frame, two parallel pairs of parallel rolls revolubly mounted on the frame, the rolls of each pair being adjustable toward peripheral contact with each other along longitudinal lines of contact, the planes of the axes of each pair of rolls being transverse to the plane determined by the two said lines of contact, one roll of each pair, being rolls located on opposite sides of the last mentioned plane, being hollow, and heating means within the hollow rolls, the peripheral walls of the rolls being of heat conducting material and the heating means being close to the peripheral walls.

1,461,253. GARBAGE CAN. OBADIAH N. OWEN, Phoenix, Ariz. Filed June 26, 1922. Serial No. 570,893. 3 Claims. (Cl. 220—47.)



1. A receptacle having an open top, a cover for the top, a substantially U-shaped bracket comprising an upright guide bar and offset arms having their free terminals mounted on the receptacle, a carrier vertically slidable on the upright guide bar and extending inwardly therefrom, means for moving the carrier, and a spiral stem rotatably mounted on the inwardly extending portion of the carrier and having a slidable and rotatable bearing in the upper offset arm of the bracket, said stem having the cover affixed thereto.

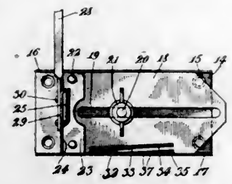
1,461,254. RAILWAY BRAKE. ORLANDO ROYSTER, Spokane, Wash. Filed Oct. 18, 1921. Serial No. 508,522. 1 Claim. (Cl. 188—242.)



The combination with a brake-head having a pair of spaced intermediate lugs extending the full width thereof, of a brake shoe having a central lug and lugs spaced therefrom forming open end transverse grooves for the head-lugs and key openings in said lugs, transversely arranged bridge members of more durable metal embedded in the metal and closing the openings in certain of the lugs of the shoe, a locking key for the complementary lugs, and longitudinally extending reinforcing members embedded in the shoe.

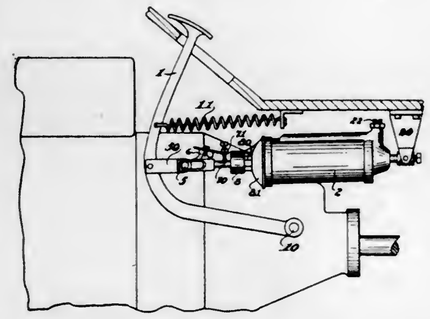
1,461,255. CURTAIN AND SHADE POLE FIXTURE. CHARLES SCHMIDT, Clifton, N. J. Filed Sept. 11, 1922. Serial No. 587,273. 2 Claims. (Cl. 156—24.)

1. A shade hanger bracket comprising a plate having out turned flanges on its upper and lower edges, a slide operable between said flanges, said slide having a longitudinal slot closed at each end the outer end of said slide being bevelled outwardly to accommodate the slot, a bolt fixed centrally in said base plate passing through the slot, a thumb nut engaging said bolt on the outer side of said slide, an angular bracket fixed on the inner end of said slide, said bracket being adapted to engage a shade roller pintle, an open looped support secured



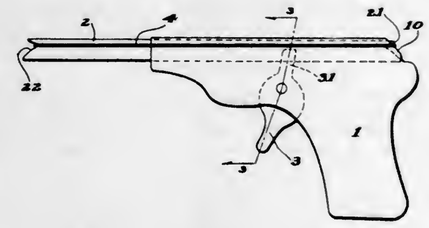
to said bracket to receive one end of a curtain pole, and an integral spring arm formed on said slide to make resilient contact with one of said out-turned flanges.

1,461,256. CLUTCH-OPERATING DEVICE. ARTHUR B. THOMPSON, Seattle, Wash. Filed Nov. 22, 1919. Serial No. 340,042. 9 Claims. (Cl. 188—97.)



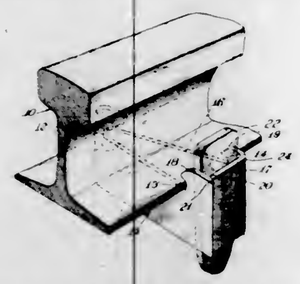
1. The combination with a clutch operating means, of a dashpot adapted to be connected with a transmission member of the said means, and means for disconnecting the dashpot at a definite point in the travel of the clutch members.

1,461,257. TOY GUN. ARTHUR B. THOMPSON, Missoula, Mont. Filed Feb. 7, 1923. Serial No. 617,562. 2 Claims. (Cl. 124—14.)



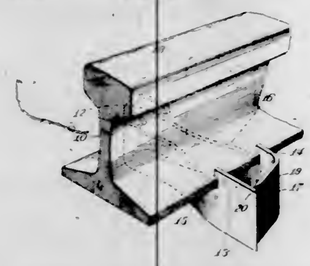
1. In a toy gun, in combination, a frame and a barrel movable therein, said barrel having a hook opening forwardly at its muzzle end for holding an end of a rubber band, and having a catch at its breech end for engaging the opposite end of the rubber band, and said frame having a band-releasing surface cooperable with said catch to hold this end of the rubber band, and means for moving said barrel at will to withdraw said catch to permit release of the band.

1,461,258. RAIL ANCHOR. ROLANDIS A. BLAIR, Fort Wayne, Ind., assignor to The P & M Company, Chicago, Ill., a Corporation of Illinois. Filed Sept. 8, 1920. Serial No. 408,799. 39 Claims. (Cl. 238—330.)



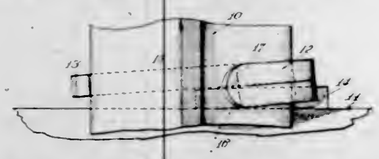
34. A rail anchor provided at one end with means for engaging the rail base at one side thereof and at the other with jaws for engaging the other side of the rail base at two points, said jaws being adapted to be forced apart by straining the anchor to produce a grip of the anchor on the rail.

1,461,259. RAIL ANCHOR. ROLANDIS A. BLAIR, Fort Wayne, Ind., assignor to The P & M Company, Chicago, Ill., a Corporation of Illinois. Original application filed Sept. 8, 1920. Serial No. 408,799. Divided and this application filed Mar. 17, 1922. Serial No. 544,493. 24 Claims. (Cl. 238—330.)



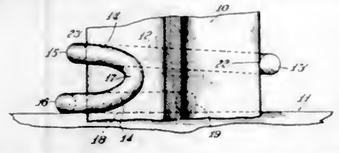
23. A resilient rail anchor comprising bars to extend under the base of a rail from edge to edge thereof, and members intervening between said bars at opposite ends of the anchor, said anchor provided at opposite ends with pairs of rail engaging jaws normally a shorter distance apart than the width of the rail and the anchor being formed so as to be capable of elongation in application to the rail.

1,461,260. RAIL ANCHOR. ROLANDIS A. BLAIR, Fort Wayne, Ind., assignor to The P & M Company, Chicago, Ill., a Corporation of Illinois. Filed June 5, 1922. Serial No. 565,821. 25 Claims. (Cl. 238—330.)



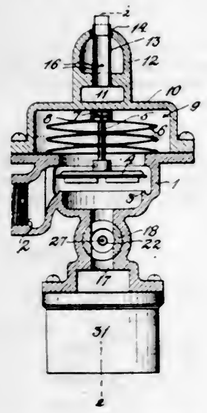
20. A rail anchor formed from a bar bent upon itself to provide two legs, one of which is formed to engage one edge of a rail base and the other formed to provide a spring member adapted to bear against the under surface of said rail base.

1,461,261. RAIL ANCHOR. ROLANDIS A. BLAIR, Fort Wayne, Ind., assignor to The P & M Company, Chicago, Ill., a Corporation of Illinois. Filed June 5, 1922. Serial No. 565,822. 17 Claims. (Cl. 238—330.)



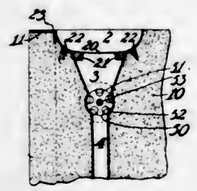
1. A one-piece rail anchor formed with means for engaging opposite edges of the base of a rail, and with a portion adapted to bear against a cross-tie; said tie-abutting portion being bent to provide a spring, the extremity of which bears against the under surface of the rail base.

1,461,262. AUTOMATIC FLUID CONTROL. JULIUS BROMBACHER, Los Angeles, Calif. Filed Mar. 30, 1922. Serial No. 547,974. 5 Claims. (Cl. 67—116.)



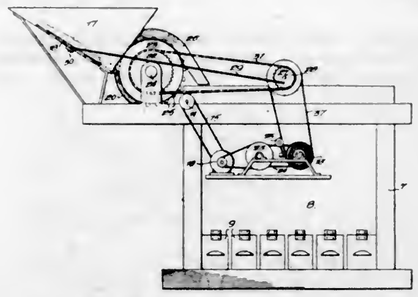
1. A fluid control comprising a housing having an inlet and an outlet, a valve within said chamber having a stem, a plurality of plates within said housing, said valve stem extending through said plates, a heating chamber on said housing thermally to influence said plates to cause same to lift and hold said valve lifted, and a pilot light tube to heat said heating chamber.

1,461,263. SOAP-DISH ATTACHMENT FOR LAUNDRY TRAYS. EMIL R. BUHTZ, Seattle, Wash. Filed Sept. 19, 1921. Serial No. 501,539. 4 Claims. (Cl. 68—31.)



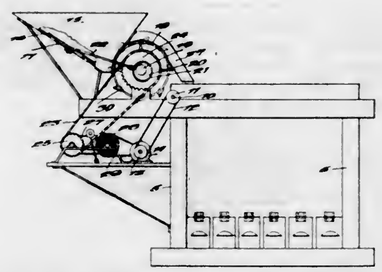
1. A soap holder for molded laundry trays comprising a metal dish having exteriorly projecting anchoring lugs positioned in a centrally disposed transverse band and adapted to be anchored in a wall of the tub during the molding thereof.

1,461,264. NUT GRADER. WILLIAM P. BULLARD, Albany, Ga. Filed Feb. 27, 1922. Serial No. 539,530. 5 Claims. (Cl. 146—3.)



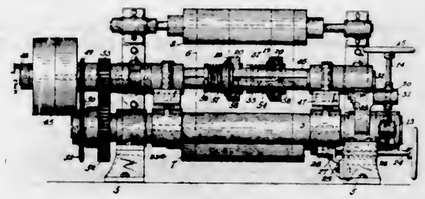
1. In nut feeding means, a hopper having a side wall with openings therein and an opposite movable wall, means moving adjacent said openings and carrying nuts therefrom to points outside the hopper, and means for simultaneously operating said nut-carrying means and the movable wall.

1,461,265. NUT GRADER. WILLIAM P. BULLARD, Albany, Ga. Filed May 2, 1923. Serial No. 636,225. 3 Claims. (Cl. 130—32.)



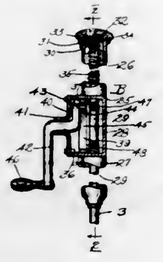
1. In nut feeding means, a hopper having a wall member with openings therein, and a rotary member having nut-carrying projecting fingers that pass through the openings, said wall and finger members having projections and recesses through which the projections pass during the rotation of the member.

1,461,266. SLITTING MEANS. JAMES A. CAMERON and GUSTAF BIRGER BIRCH, Brooklyn, N. Y., assignors to Cameron Machine Company, Brooklyn, N. Y., a Corporation of New York. Filed June 9, 1920. Serial No. 387,620. Renewed Dec. 9, 1922. Serial No. 490,727. 12 Claims. (Cl. 164—65.)



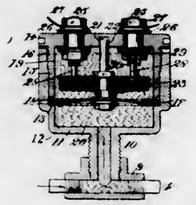
1. Slitting means comprising a plurality of sets of rotatable overlapping shearing members arranged in two opposed groups, the members of each set engaging laterally with each other, means for positively driving both members of each set, means for moving the members of one group laterally and in unison with respect to the other group, and means for moving the members of the same group edgewise and in unison to separate the members of opposed groups.

1,461,267. VALVE GRINDER. JOHN M. COBURN and JOHN M. MCCRARY, Long Beach, Calif. Filed Nov. 14, 1921. Serial No. 515,061. 2 Claims. (Cl. 51—29.)



1. In a valve grinder, the combination; of a housing formed with a longitudinal bore, a spindle adjustably carried by the housing within said bore; said spindle being provided with a bifurcated extremity, a rotatable valve engaging shoe carried by the spindle in the bifurcations; and means for giving said spindle rotary reciprocation; said means including a spring adapted to rotate the spindle in one direction, and a strap adapted to be coiled about the spindle to rotate the spindle in the opposite direction; there being a Scotch yoke to which the strap is connected at one end, and means for guiding and reciprocating said yoke.

1,461,268. AUTOMATIC CONTROLLER FOR MOTORS. JAMES CORYDON DE LANEY and FRANK L. DE LANEY, Porterville, Calif. Filed Mar. 14, 1921. Serial No. 452,112. 1 Claim. (Cl. 200—83.)



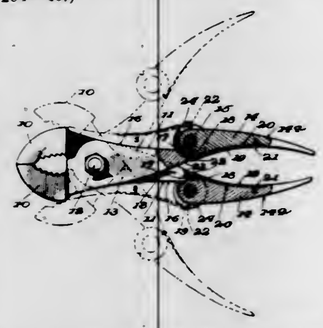
A circuit controlling device comprising a casing formed with a hollow body provided with an annular flange near the base of its inner wall, a flanged cover provided with a skirt for threaded reception within the body and for co-operation at its lower end with said annular flange, a flexible diaphragm disposed transversely of the body and supported by said flange for dividing the body into two chambers, a pair of inwardly pressed spring held contact points carried by said cover above said diaphragm, a post extended upwardly from the center of said diaphragm, said cover provided with a guide opening within which the end of said post reciprocates, a support extended laterally on each side of said post, a contact ring carried by said support, a connection between the lower chamber and a source of fluid supply under pressure, and a packing ring in contact with opposing faces of the disk at its periphery to afford the maximum flexibility thereto for its operation.

1,461,269. DISCHARGE SPOUT FOR LIQUID CONTAINERS. SIGMUND FREY, Los Angeles, Calif. Filed Sept. 19, 1921. Serial No. 501,713. 12 Claims. (Cl. 221—27.)



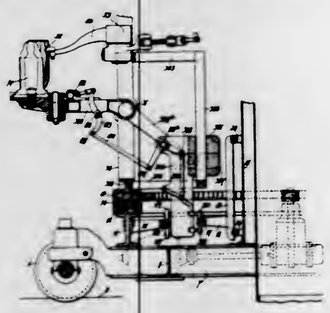
5. The combination with a liquid container, of a bushing in the wall of the container, a tube slidable in the bushing and having a port, a sleeve surrounding the tube, a valve to close one end of the tube, means yieldingly holding the sleeve in position to close the port and yieldingly holding the valve in closed position, and means connected with the sleeve and engaging the valve to open it when the sleeve is moved toward the valve.

1,461,270. TOOL. FRANK GARRISON, Jerome, Idaho. Filed Apr. 5, 1922. Serial No. 549,925. 4 Claims. (Cl. 294—43.)



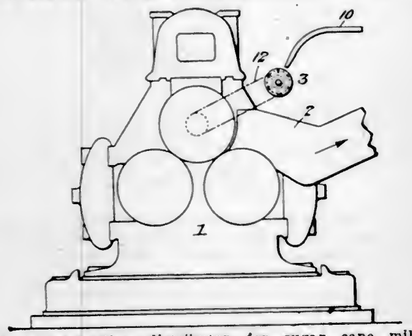
1. A tool having jaws and pivotally connected handle members carrying said jaws, each handle being made up of a pair of pivotally connected sections, one of the sections having a concaved face against which the other section is adapted to be snugly fitted in the folded position.

1,461,271. MACHINE FOR THE MANUFACTURE OF GLASS ARTICLES. ROBERT FREDERICK HALL, Moseley, near Birmingham, England. Filed July 27, 1920. Serial No. 399,433. 10 Claims. (Cl. 49—41.)



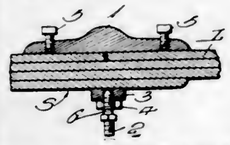
1. A finishing mold mechanism for machines for forming glass articles comprising a supporting member, a swinging mold carrying frame pivotally supported between its ends on the supporting member, a finishing mold on the swinging frame member at one side of the pivot, and means connected to the frame member at the other side of the pivot for swinging the frame member.

1,461,272. MACERATION DISTRIBUTOR FOR SUGAR-CANE MILLS. WILLIAM GARVIE HALL, Honolulu, Territory of Hawaii. Filed Feb. 13, 1923. Serial No. 618,814. 4 Claims. (Cl. 100—47.)



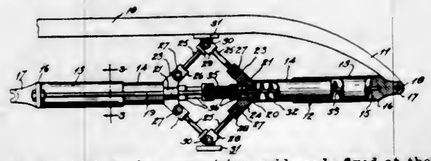
1. A maceration distributor for sugar cane mills, comprising a rotary cylinder having on its surface a series of longitudinal troughs, and means for supplying the maceration material to said troughs.

1,461,273. REPAIR DEVICE FOR AUTOMOBILE SPRINGS. PETER THEODORE JASMIN, Helena, Mont., assignor of one-half to Philip Henry Huber, Helena, Mont. Filed Aug. 7, 1922. Serial No. 580,208. 1 Claim. (Cl. 267—51.)



A repair device for vehicle leaf springs comprising a flat clamping plate to span the break and to contact the upper face of the master-leaf from one of its ends to the other, said plate being provided on its longitudinal edges intermediate its ends with opposed depending integral arms having screw-threaded portions, said arms being adapted to extend crosswise of the longitudinal edges of the spring leaves, a cross-plate to extend transversely across the lowermost leaf, said last named plate being formed at its opposite ends with holes through which said arms extend, nuts on the threaded portions of said arms, said first named plate being provided at its end with screw-threaded openings, and retainer screws threaded through the openings, the inner ends of said screws being pointed to securely grip the master-leaf to prevent slippage of the device thereon.

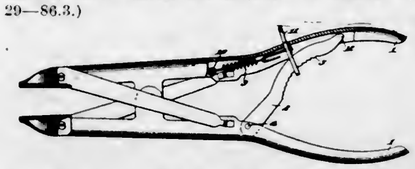
1,461,274. AUTOMOBILE SPRING. FRANK G. KRAKAN, Pittsburgh, Pa. Filed June 15, 1921. Serial No. 477,617. 7 Claims. (Cl. 267—20.)



1. A vehicle spring comprising guide rods fixed at their ends to a vehicle frame, springs extending longitudinally

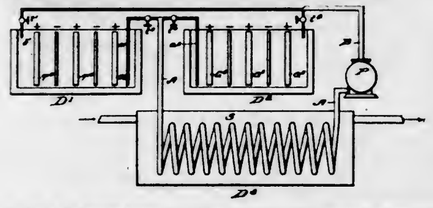
with relation to the guide rods, and a link mechanism slidable on said guide rods between adjacent ends of the springs, said link mechanism intervening between the frame and the axle of the vehicle.

1,461,275. VALVE-SPRING-LIFTER LOCK. HARRY W. KULP and MARTIN C. DELLINGER, Lancaster, Pa. Filed Mar. 9, 1921. Serial No. 450,902. 13 Claims. (Cl. 29—86.3.)



1. In combination in a valve spring lifter, a pair of movably mounted handles, a bar movably mounted in one of said handles and at all times lying entirely between said handles, and a locking plate extending through the other handle and operatively engaging said bar.

1,461,276. APPARATUS FOR THE ELECTROLYTIC PRODUCTION OF METALLIC ALLOYS IN THE FORM OF PASTE OR SLUDGE. BENJAMIN LEECH, Macclesfield, England, assignor of one-half to Henry & Leigh Slater, Limited, Manchester, England. Filed Mar. 16, 1920. Serial No. 366,327. 8 Claims. (Cl. 204—5.)



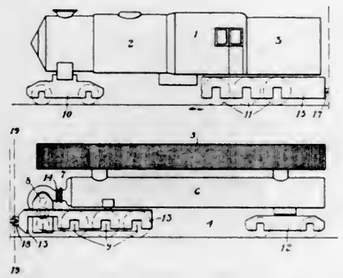
1. In an apparatus for the electrolytic preparation of metal or alloys in the form of paste or sludge, a vat containing electrolyte, and anodes located in said vat and formed partly of an active material and partly of a material which resists or withstands the conditions of electro-chemical action and does not disintegrate or pass into solution, said active material and the resistant material being immersed in and contacting with said electrolyte.

1,461,277. SASH RAISING AND LOWERING DEVICE. NICHOLAS C. LEIDGEN, Detroit, Mich. Filed Aug. 10, 1922. Serial No. 580,894. 8 Claims. (Cl. 268—4.)



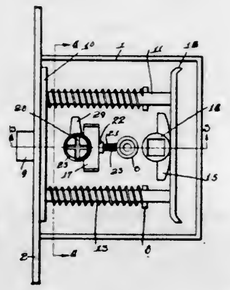
1. Means for raising and lowering a sash comprising a support, a rotary shaft carried by said support and adapted to have rotation normally imparted thereto, a reciprocable member on said shaft, a stationary nut carried by said support and engaging said reciprocable member to cause it to reciprocate during rotation of said shaft, and a traveler nut engaging said reciprocable member and adapted to raise or lower the sash, said traveler nut being guided adjacent said support.

1,461,278. TURBINE-DRIVEN LOCOMOTIVE. FREDRIK LJUNGSTRÖM, Lidingo-Brevik, Sweden, assignor to Aktiebolaget Ljungström Angturbin, a Corporation, Stockholm, Sweden. Filed May 2, 1922. Serial No. 557,861. 5 Claims. (Cl. 105—38.)



1. In a turbine driven locomotive including two carriages, wheels supporting said carriages and a coupling, an arrangement characterized by at least one pair of the fore wheels of the rear carriage being brought together as driving wheels in a bogie connected by means of a coupling with the carriage running before it which thus serves as guiding carriage for the bogie of the rear carriage.

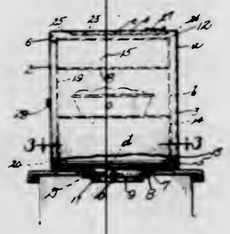
1,461,279. LOCK. ELLIS E. LONGFELLOW, El Reno, Okla.; Margaret R. Longfellow executrix of said Ellis E. Longfellow, deceased. Filed Nov. 8, 1920, Serial No. 422,550. Renewed Dec. 1, 1922. 1 Claim. (Cl. 70—29.)



A door lock including a casing having a face plate provided with a central bolt opening, a bolt arranged therein, a plate secured to the inner face of the bolt and disposed in the casing, rods connected with the plate, a second plate connected to the ends of the rods, notched lugs in the casing receiving the rods, springs on the rods contacting with the lugs on the front plate, a spindle sleeve in the casing having lugs thereon in engagement with the rear plate, a key barrel having right angular key ways therethrough and having spaced annular flanges providing ways and openings between the ways, a lug projecting from the outer face of the barrel, a substantially U-shaped guide removably secured in the casing having its parallel members provided with arcuate

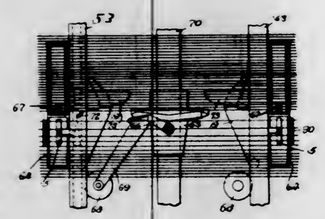
depressions which are received in the ways, a spring influenced pin passing through the guides and designed to enter one of the apertures of the barrel and to be retracted when the key is inserted in the key way of the barrel to permit of the turning of the barrel to bring the lug thereof in the path of contact with the front plate of the bolt, and the said spring influenced pin designed to enter another aperture in the barrel when said barrel is in such position.

1,461,280. OVEN. CLEAVIE MCBRIDE, Los Angeles, Calif. Filed Jan. 23, 1922. Serial No. 531,184. 2 Claims. (Cl. 126—275.)



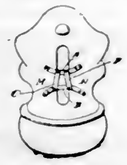
1. An oven, including an outer and an inner casing held in spaced relation from each other, and a door member carrying a spaced plate member adapted to close the outer and the inner casings, said door member and plate forming a heat circulating space therebetween; the bottom wall of said outer casing being formed with an opening therein and there being an annular member extending through said opening; said annular member being adapted to be placed over a burner of a stove to confine the flame therein; there being a baffle plate member carried by the bottom wall of the inner casing and extending partly within the annular member, and there also being a flue member carried by the top wall of the outer casing for conducting the gases of combustion from the space between the outer and the inner casings; said flue member comprising a U-shaped member closed at one end, and the top member of the outer casing being provided with an opening in communication with said flue member.

1,461,281. MECHANICAL THREAD PASTING APPARATUS. FRANTZ ADOLF MARTENS, Copenhagen, Denmark, assignor to Martens' Patent "Twisting-In" Machine Co Ltd., Copenhagen, Denmark, a Corporation of Denmark. Filed Sept. 18, 1920. Serial No. 411,280. 7 Claims. (Cl. 28—47.)



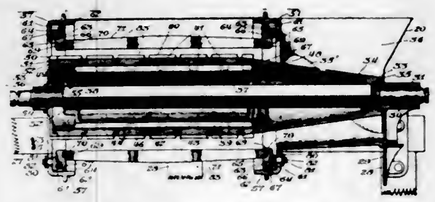
1. In a warp uniting machine having means for supporting two warps stretched mutually crosswise in the machine; a disc adapted to reciprocate parallel to the warps; a pasting device comprising means for supplying an adhesive to the thread of the warps; a heating member; and an air supplying device for blowing air upon the adhesive on the threads resting on the heating member.

1,461,282. SADDLE. CLAUDE BROOKINS MILLS, High River, Alberta, Canada. Filed July 15, 1922. Serial No. 575,253. 1 Claim. (Cl. 54—44.)



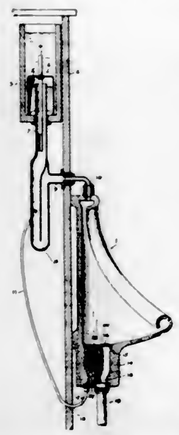
The combination with a saddle having a tree of a stirrup leather frame comprising transverse bars adjustably mounted on the tree, and longitudinal bars converging toward their forward ends rigidly mounted on said transverse bars, substantially as described.

1,461,283. CORN SHELLER. ROBERT M. MITCHELL, Chicago, Ill., assignor to International Harvester Company, a Corporation of New Jersey. Filed Mar. 3, 1919. Serial No. 280,432. 11 Claims. (Cl. 130—6.)



1. Shelling mechanism for corn shellers comprising in combination, a cylinder, a shelling cage enclosing said cylinder and including a plurality of adjustable staves, stave sectors engaging said staves, and cam mechanism engaging said stave sectors.

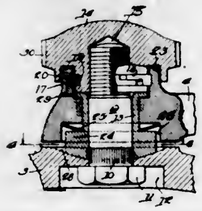
1,461,284. DEVICE FOR FLUSHING TOILET FIXTURES. DUDLEY NEWTON, San Francisco, Calif., assignor of one-half to William A. Goericke. Filed June 14, 1921. Serial No. 477,437. 5 Claims. (Cl. 4—12.)



1. The combination with a flushing tank, of an air container therein having its top closed and its bottom open and in communication with said tank, a discharge pipe having its intake end within and spaced upwardly

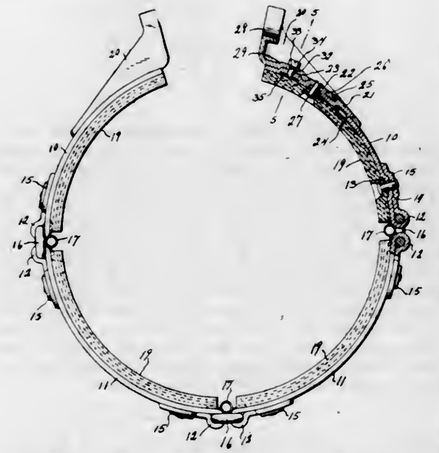
from the open end of said container, a trap to which said pipe leads, a bowl, a flushing pipe leading from the trap to the bowl, said bowl having a discharge opening, a chamber the upper end of which is open and in registration with the opening, a drain passage in said bowl in communication with said opening, a cover mounted in said chamber and having its upper end closed and its lower end in communication with said chamber, a conduit leading from a point within the cover to said drain passage and a pipe in communication with said air container arranged to discharge into the cover above the lower end thereof and formed as a trap intermediate of its ends.

1,461,285. QUICK-DETACHABLE SEARCHLIGHT MOUNTING. JOHN K. OLSEN, Chicago, Ill., assignor to Stewart-Warner Speedometer Corporation, Chicago, Ill., a Corporation of Virginia. Filed June 21, 1922. Serial No. 569,812. 10 Claims. (Cl. 240—7.)



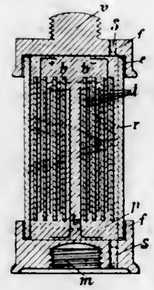
1. In combination with a lamp body and a supporting bracket therefor, a stud associated with the lamp body and a captive nut carried rotatively on the bracket, together with a spacer sleeve rotatively mounted in said bracket in axial alignment with the bore of the nut, said nut being threaded to fit the stud, and the sleeve being formed to fit said stud whereby the sleeve may be fixedly associated with the lamp body while rotatively engaged in the bracket when the parts are assembled.

1,461,286. TRANSMISSION BAND. ANTHONY P. PFEFFER, Detroit, Mich. Filed June 10, 1922. Serial No. 567,237. 6 Claims. (Cl. 188—249.)



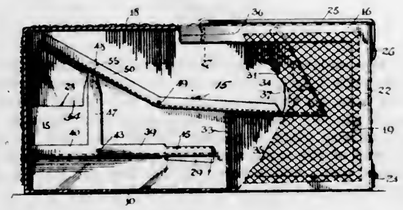
4. A transmission band comprising intermediate and end sections, adjacent ends of the intermediate sections and the ends thereof coacting with the adjacent ends of the end sections having the end portions thereof bent back to provide pivot receiving loops, said sections being provided adjacent such loops with offsets forming shoulders, and sockets formed upon the end portions receiving said shoulders.

1,461,287. HIGH-TENSION CONDENSER. EMIL PFIFFNER, Frybourg, Switzerland. Filed Jan. 10, 1922. Serial No. 528,132. 3 Claims. (Cl. 250—41.)



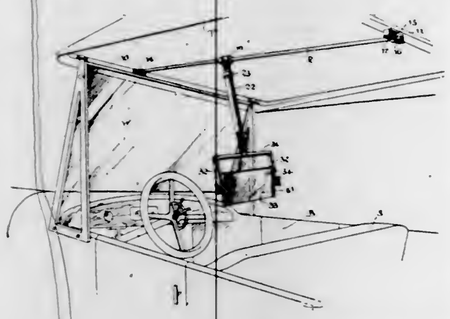
1. A high tension condenser consisting of a plurality of partial condensers connected in series to form a chain insulator, each partial condenser consisting of a hollow tubular supporting insulator, conducting mounts carried by the ends of the insulator and constituting closures therefor, and metal coatings and insulating layers arranged in and completely enclosed by the tubular insulator and conducting mounts.

1,461,288. ANIMAL TRAP. JOHN W. PRIMROSE, Clarksdale, Miss. Filed June 29, 1921. Serial No. 481,268. 5 Claims. (Cl. 43—76.)



1. In an animal trap, a cage comprising a frame having a reticulated covering, a metallic bottom and a non-metallic flooring, said cage being provided with an entrance opening in one side and extending partly across the same, a door closure for the back of the cage, means for holding said door in a closed position, a covered run-way dividing the cage to one side of the door opening, a trap door controlling the exit thereof, said run-way dividing the cage into an entrance compartment and a retaining compartment, a trigger for holding the door open, and a tripping device cooperating with the trigger to disengage the latter whereby the door will close, said trigger comprising a pivoted run-way connected to the door, a portion connected to the trip and having a lug engaging the pivoted portion to hold the same in position with the door open and adapted to release the same to permit the door to close, said run-way having spaced walls, one of said walls covering the vertical area of the cage, a partition forming a part of said runway, and having an opening therein leading from the entrance compartment to the retaining compartment, and a door member having a covering portion co-operating with said opening.

1,461,289. EYESHIELD ATTACHMENT FOR MOTOR VEHICLES. JOHN WILLIAM PRIMROSE, Clarksdale, Miss. Filed Oct. 21, 1922. Serial No. 595,955. 8 Claims. (Cl. 296—97.)



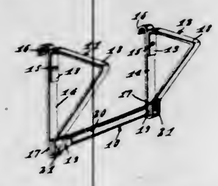
1. In combination with a motor vehicle having a top, a rod supported by said top longitudinally thereof, and means depending from said rod adapted to support a windshield forward of the driver's seat of the motor vehicle.

1,461,290. HOSE CLAMP. LUCIEN MARCEL QUÉMARD, Royan, France. Filed Apr. 21, 1921. Serial No. 463,289. 2 Claims. (Cl. 24—19.) (Granted under the provisions of the act of Mar. 3, 1921, 41 Stat. L., 1313.)



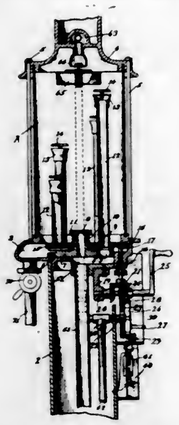
2. In a collar for crimping rubber hose on metal pipes, a base plate bent to lie against the circumference of the rubber hose, an arched loop on said base plate, a band, a fold on the one end of the band to attach the same to the said base plate, a passage in the said loop for the other end of the band, a split pin to tighten the band on the base plate, and a screw in the loop for locking the band against the base plate after tightening.

1,461,291. SILO LADDER. FRANCIS M. REINHART, Rudolph, Wis. Filed Aug. 2, 1922. Serial No. 579,153. 1 Claim. (Cl. 20—1.4.)



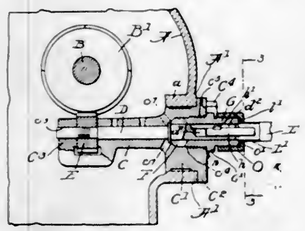
A ladder section of the class described comprising two substantially triangular supporting members each formed of heavy strap metal with an outturned support engaging hook at one corner, and the adjacent members at another corner arranged parallel and spaced laterally to form sockets with a cross rod having flattened ends fitting and rigidly secured in said sockets.

1,461,292. LIQUID MEASURING AND DISPENSING APPARATUS. EDWARD A. RIX, San Francisco, Calif. Filed July 28, 1920. Serial No. 399,499. 11 Claims. (Cl. 221—100.)



1. In an apparatus of the character described a container having a measuring chamber formed therein, means for delivering liquid thereto, a series of pipes, each terminating at a different level within the chamber, and means for bringing any pipe into communication with the liquid delivering means.

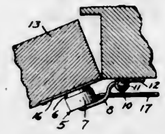
1,461,293. TRANSMISSION DRIVE FOR SPEEDOMETERS. WILLIAM H. SCHULZE, Chicago, Ill., assignor to Stewart-Warner Speedometer Corporation, Chicago, Ill., a Corporation of Virginia. Filed Aug. 14, 1922. Serial No. 581,690. 6 Claims. (Cl. 74—7.)



1. In combination with a transmission casing and a power shaft therein having a gear for delivery of power from said shaft, the casing having an apertured boss through which a tangent to the pitch line of said gear may extend parallel to the circumscribing wall of the aperture, a tubular member exteriorly diametered over part of its length to fit said aperture, and flanged at the outer limit of said part for seating of said flange against the wall of the casing at the outer end of the boss, and having at each end a shaft bearing, the bearing at the inner end being spaced longitudinally from the remainder of the tubular member; a shaft journaled in both said bearings extending across said space and a gear on said shaft located in said space, whereby the gear stops the shaft longitudinally in said tubular member.

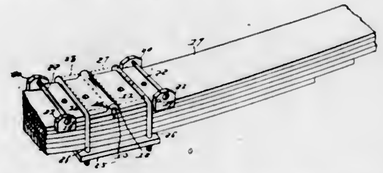
1,461,294. BURGLAR ALARM. ALFRED B. SIMPSON, North Vernon, Ind. Filed Feb. 4, 1922. Serial No. 534,159. 1 Claim. (Cl. 200—54.)

In combination with a hinged closure, a signaling device comprising a hinged member including staples, a pin extending through the staples, said hinge member including spring arms having portions thereof coiled around the pin of said spring arms having a portion thereof contacting with the member on which the hinge is mounted,



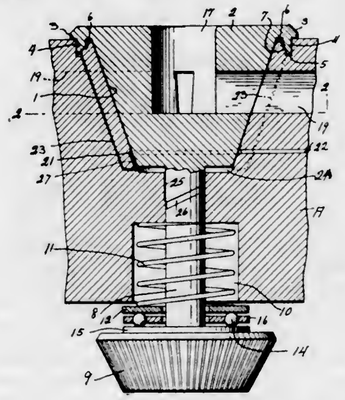
a head having connection with the outer ends of the spring arms, contact members in the head, said hinged closure adapted to engage the head to complete the circuit to the alarm.

1,461,295. SPRING-REPAIRING DEVICE. JESSE E. STEVENS, Lebanon, Ind. Filed Oct. 18, 1922. Serial No. 595,356. 3 Claims. (Cl. 267—51.)



3. In a spring repairing device, plates having interlocking engagement with each other, the said plates having recesses in their edges near their outer ends, clamps fitted against the edges of the plates, means extending through the clamps and seated in the recesses for holding the clamps in operative relation to the plates, means for drawing the clamps against the edge of a spring, means for holding the plates in assembled relation to the spring, and filling blocks on the upper surface of plates.

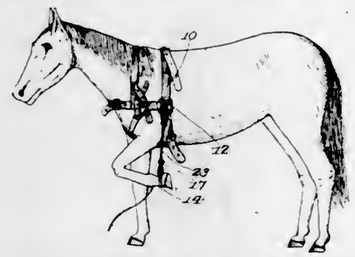
1,461,296. ROTARY VALVE. SAMUEL JAMES TRITT, Jr., Carlisle, Pa. Filed Sept. 26, 1921. Serial No. 503,283. 2 Claims. (Cl. 123—190.)



1. In combination with the cylinder head of an internal combustion engine provided with the tapered valve seat, a valve snugly fitting therein, said valve being provided with a recess in the end thereof and with ports communicating with the recess, the head having inlet and exhaust ports with which the ports of the valve are adapted to register, the end of the valve provided with

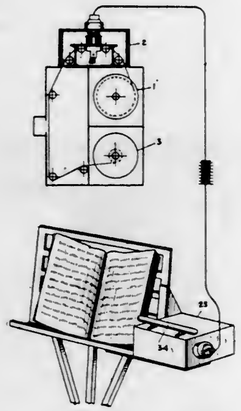
the recess having an annular flange overlying the head, said flange having an inwardly directed oil ring, the adjacent face of the head having an annular groove in which said flange extends, said valve seat adjacent to its inner end being provided with an oil groove thereabout, the cylinder head being provided with an oil port communicating with the lower portion of the groove, said head being provided with an oil port leading from the groove in the head to the valve seat inwardly of the valve, said valve seat being also provided with a groove connecting the last named oil port and the first named oil groove in the valve seat.

1,461,297. HORSESHOEING DEVICE. JAMES P. TURNER, Faulkton, S. Dak. Filed May 23, 1921. Serial No. 471,649. 3 Claims. (Cl. 119—101.)



1. A device for lifting the leg of an animal comprising a tail engaging clamp, a leg engaging clamp, means connecting the clamps and manually operable to raise the animal's leg from the ground, and a releasable locking means on the leg clamp for automatically engaging and holding the raising means and operable from a distance from the animal for the safety of the operator.

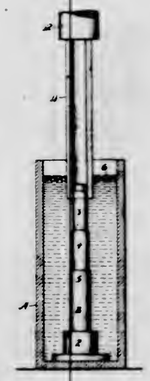
1,461,298. CINEMATOGRAPHIC APPARATUS FOR THE PERFORMANCE OF MUSICAL FILMS. CIPRIANO VISCHE, Genoa, Italy. Filed Apr. 4, 1921. Serial No. 458,597. 5 Claims. (Cl. 88—16.2.) (Granted under the provisions of the act of Mar. 3, 1921, 41 Stat. L., 1313.)



1. Improvements in cinematographic apparatus adapted to obtain in the taking of moving pictures, the synchronous contemporaneous registration with the pictures on the film, of the time of the music accompanying the taking of the pictures, including in combination, a picture taking apparatus including a film, a puncture device in

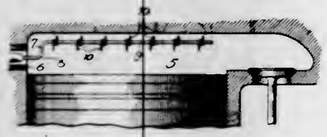
said apparatus and associated with the film, an electromagnet associated with the puncture device, and an electric key including a switch adapted to be mounted on the music stand of the band master and arranged in circuit with the armature so that the band master during the taking of the moving pictures, by continually beating the time of the music on the key effects the closure of the circuit in the switch, which action, through the electro-magnet operates the puncture device in the picture taking apparatus so that at every time beating there corresponds a hole in the running negative film.

1,461,299. METHOD OF SHAPING PYROXYLIN, CELLULOID, AND LIKE MATERIALS. CHARLES E. WEHN, Alameda, Calif., assignor to Listo Pencil Corporation, Alameda, Calif., a Corporation of California. Filed Mar. 4, 1922. Serial No. 541,069. 3 Claims. (Cl. 18—51.)



1. A method of changing the interior diameter of pyroxylin tubes, which consists in submerging a mandrel shaped die in a body of hot water and then forcing the pyroxylin tube over said mandrel while the mandrel is maintained in a submerged condition in the heated water to progressively heat and soften the tube and simultaneously change the shape of the same.

1,461,300. SPARK PLUG. GEORGE WINCHESTER, Roselle, and FRANK A. HOWARD, Elizabeth, N. J., assignors to Standard Development Company, a Corporation of Delaware. Filed May 16, 1921. Serial No. 469,957. 2 Claims. (Cl. 123—169.)



1. In combination, an internal combustion engine, a spark plug secured thereto, an electrode forming part of said spark plug and projecting into the combustion chamber of the engine substantially through the clearance volume thereof and a plurality of spaced spark points secured to said electrode, said points approaching to a short distance from a wall of the combustion chamber to form spark gaps acting in parallel between the said points and the wall.

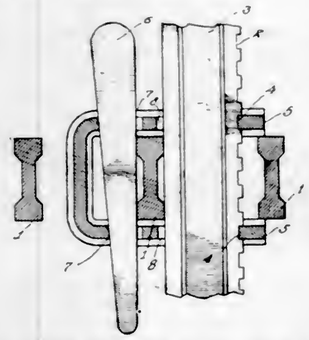
1,461,301. PROCESS OF PRODUCING REFLECTORS. MAX WISKOTT, Breslau, Germany. Filed Aug. 30, 1921. Serial No. 497,042. 4 Claims. (Cl. 18—47.5.)

1. The process of producing a curved reflector of any desired shape which consists in using a form of complementary shape and molding the reflector thereon of plastic or moldable substance, then removing the reflector



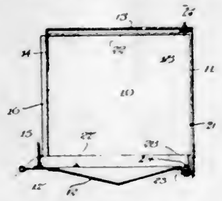
when it has sufficiently set or hardened and then coating the surface of the reflector with a metallic reflecting material.

1,461,302. CLAMP FOR CULTIVATOR TOOLS. WILLIAM L. BEALL, Chattanooga, Tenn., assignor to International Harvester Company, a Corporation of New Jersey. Filed Feb. 16, 1920. Serial No. 359,088. 3 Claims. (Cl. 55—94.)



1. The combination with a notched shank of a cultivator tool, of a U-shaped clamp of the class described, said clamp having arms of non-uniform cross section whereby reduced portions thereof may engage notches in said shank, a supporting bar for said shank and clamp, and wedging means for drawing the clamp arms into notches in the shank and binding the shank against the supporting bar.

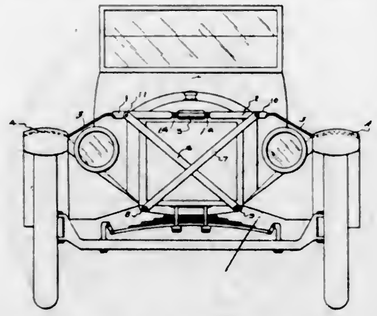
1,461,303. POULTRY NEST. JOSEPH L. BOISVERT, Bourbonnais, Ill. Filed Jan. 8, 1923. Serial No. 611,520. 1 Claim. (Cl. 119—45.)



A poultry nest comprising a box-like structure having an entrance, and composed of side walls having inturned top, bottom and rear flanges, a rear wall having inturned top, bottom and side flanges, the top and bottom flanges of the side and rear walls lapping, fasteners seating removably in said lapping flanges, a bottom seating removably on the bottom flanges of the side walls and secured by the bottom ones of the aforesaid fasteners, and a removable top.

1,461,304. ADJUSTABLE FENDER BRACE. FRED L. BRONSON, Wichita Falls, Tex. Filed Oct. 3, 1922. Serial No. 592,181. 1 Claim. (Cl. 280—152.)

A brace for the wheel fenders of a motor vehicle, comprising a sectional main bar arranged in front of and extending transversely of the radiator and having its outer ends attached to the fenders, means by which the sections of the main bar may be adjusted inwardly in an endwise direction wtih respect to each other, and stay bars pivoted respectively at their upper ends to the



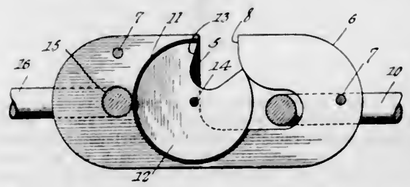
respective sections of the main bar and pivoted at their lower ends to a convenient portion of the vehicle adjacent the lower end of the radiator and adapted to raise the main bar when its sections are adjusted inwardly with respect to each other.

1,461,305. ARTIFICIAL TEETH. JOHN BROOKES and ALBERT EDWARD TOLLEY, Halesowen, England. Filed Aug. 28, 1922. Serial No. 584,702. 3 Claims. (Cl. 32—4.)



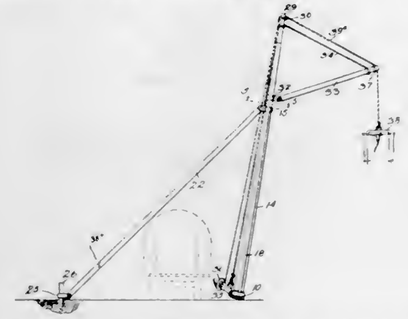
1. An artificial denture comprising a complete row of artificial teeth formed integrally and including molars, bicuspids and incisors, the upper part of said row having a plurality of small openings therein, a nonmetallic plate moulded to fit the mouth, and projections on said plate entering said openings so as to unite the plate to the row of teeth.

1,461,306. AUTO CHAIN COUPLER. HENRY CAMPBELL, Liberal, Kans. Filed Dec. 15, 1921. Serial No. 522,606. 1 Claim. (Cl. 24—232.)



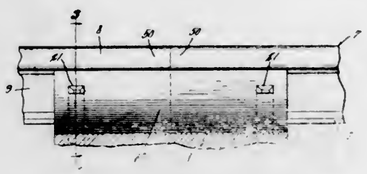
A connecting link comprising side plates, a central plate conforming to the contour of the side plates and positioned between the side plates, said plates having cut out portions extending from one of the respective edges thereof towards the central portions of the plates and having right angled portions, one of the walls of the right angled portions extending in parallel relation with one of the edges of the plates, the central plate having a curved cut out portion merging with the first mentioned cut out portions, a movable element positioned in the curved cut out portion and pivotally supported therein, said movable element having a cut out portion extending from one edge to align with the cut out portion of the plates and receive a link member, said movable member adapted to deliver a link to the cut out portion of the plates, and said movable member adapted to close the cut out portions to lock the link therein.

1,461,307. HAY DERRICK. CHARLES A. CHAPMAN, Grinnell, Iowa. Filed Mar. 30, 1922. Serial No. 548,110. 1 Claim. (Cl. 212—59.)



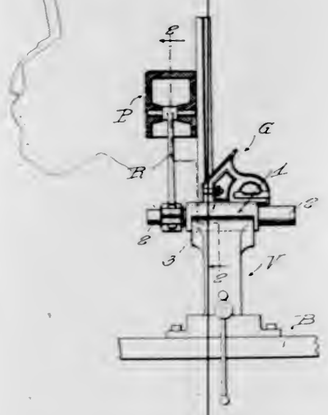
A derrick comprising a sill adapted to serve as a runner, a mast rotatably mounted on said sill, a pair of braces connected with the mast to permit rotation thereof and inclined from the mast downwardly and laterally to the sill and connected therewith, a third brace pivotally mounted on the mast to permit rotation thereof and inclined downwardly and away from the mast substantially midway between the first two sills, whereby said third brace may be swung pivotally in a vertical plane to a variety of positions and may be used for swinging the mast on the sills as an axis, and a hoisting mechanism supported on said mast above said braces, a detachable brace, and means for fixing said brace to said mast and said third brace.

1,461,308. ANCHOR PLATE. EUGEN CLARK and WILLIAM HARRISON CLARK, Juliette, Ga. Filed July 26, 1922. Serial No. 577,681. 1 Claim. (Cl. 238—198.)



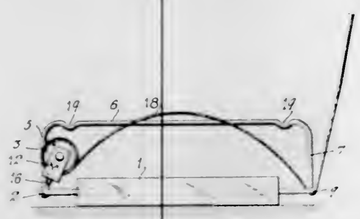
In a device of the class described, a base plate provided with first and second overhanging flanges, the second flange being of less height than the first flange, and having an upstanding longitudinal rib; a rail including a flange extended beneath both flanges of the base plate, a web located between the flanges of the base plate and in contact with the inner edges of the first and second flanges of the base plate, and a ball engaged by the first flange of the base plate; an anchor plate disposed outside of the second flange of the base plate and comprising a solid depending rib exended between the rib of the second flange and the web of the rail, and engaging the ball of the rail, the anchor plate and the second flange having registering openings; and a securing element mounted in the said openings.

1,461,309. DEVICE FOR TRUING CONNECTING RODS. WILLIAM C. CORYELL, Wayne, Nebr. Filed June 5, 1922. Serial No. 566,000. 1 Claim. (Cl. 33—180.)



A device for truing and alining the axes of a connecting rod and a piston fitted thereon comprising a one-piece metal body having a substantially oblong intermediate flat faced portion adapted to be clamped between the jaws of a vise, the upper face of said portion being formed with a longitudinal groove extending through the ends thereof, said groove being designed to accommodate a portion of a gaging instrument, and cylindrical stub-axles extending from the ends of said oblong part, one of said axles being designed to extend through the bearing of said connecting rod, the axles being of different diameters to accommodate the different sizes of bearings.

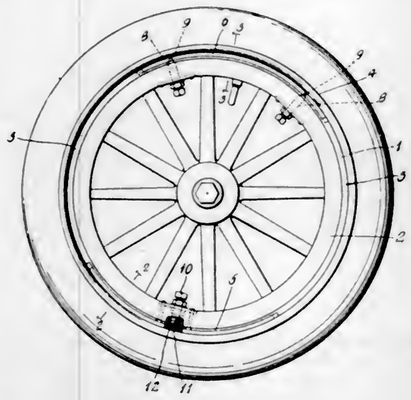
1,461,310. SHOE-SHINING DEVICE. FREDERICK W. DUSCHE, East Orange, N. J., assignor of one-half to Leon M. Nussbaum, Newark, N. J. Filed July 6, 1921. Serial No. 482,701. 10 Claims. (Cl. 15—266.)



1. A shoe polishing device including a stand, a guide on said stand, a yoke slidably and hingedly connected to said guide, a spring roller in said yoke, and a polishing strip attached at one end to said roller and wound thereon.

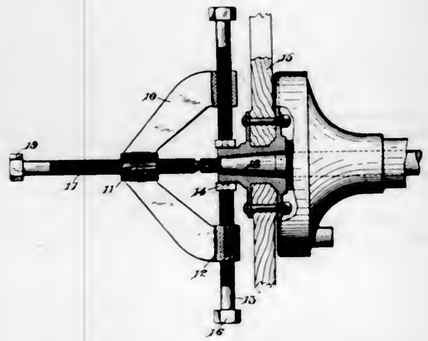
1,461,311. DEMOUNTABLE RIM FOR TIRES. LEE B. HANCOCK, Richmond, Va. Filed Aug. 6, 1920. Serial No. 401,690. 2 Claims. (Cl. 301—21.)

1. In a wheel having a felly, a felly band encircling said felly circumferentially recessed on its outer face, the face of said recess being laterally inclined, the end walls of said recess being laterally inclined, a rim fitting upon the band and having a circumferentially extending projecting portion on its inner face fitting said



recess and having its ends inclined complementarily to the inclined end walls of the recess and means for detachably holding the rim in place upon the felly band.

1,461,312. WHEEL PULLER. FRANK W. HAYWARD, San Francisco, Calif., assignor to Kimmerle Bros., San Francisco, Calif., a Partnership composed of Daniel S. Kimmerle and Larned Kimmerle. Filed Feb. 20, 1922. Serial No. 537,731. 2 Claims. (Cl. 29—85.)



1. A wheel puller comprising a conical frame having an axially extending bearing at its apex and a series of equally spaced radially extending bearings at its base, a gripping bolt screw threaded into each of the last-named bearings and carrying at its inner end a swiveled shoe formed with threads to co-act with the threads on a wheel hub and a thrust bolt screw threaded into the axial bearing and adapted to engage with the end of the axle of the wheel.

1,461,313. GYROSCOPIC TOY. HENRI HÉBRARD, Sceaux, France. Filed July 14, 1921. Serial No. 484,698. 2 Claims. (Cl. 46—45.)

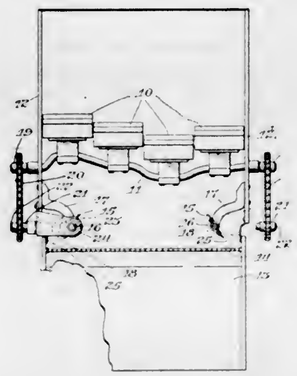
1. A gyroscopic toy, comprising a frame; front and rear wheels supported thereby and adapted to travel

along a smooth supporting surface; a gyroscope mounted on the frame and having a driving cannection leading



from it to one wheel; and a figure mounted on said frame and having movable parts operatively associated with said driving connection to be actuated thereby.

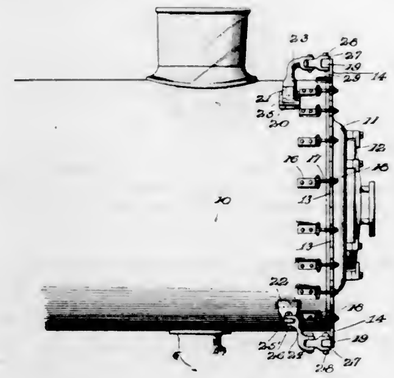
1,461,314. SEPARATING MECHANISM FOR THRASHERS. EMILE W. JONES, Chicago, Ill., assignor to International Harvester Company, a Corporation of New Jersey. Filed June 9, 1919. Serial No. 302,941. 4 Claims. (Cl. 130—26.)



1. In a threshing machine, a casing, straw carriers carried by said casing, a crank shaft for operating said straw carriers, a separator, located below said carriers and a revolving beater disposed above said separator and operatively connected with said crank shaft for evenly distributing the material to be separated across said separator.

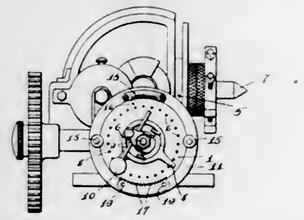
1,461,315. LOCOMOTIVE SMOKE-BOX FRONT. ARTHUR T. KUEHNER, Elkridge, Md. Filed Oct. 4, 1919. Serial No. 328,562. 5 Claims. (Cl. 110—172.)

1. The combination with a locomotive, and a smoke box front closing the smoke box of the locomotive, of a series of mating plates extending around the peripheral margin of the front and forming a reinforcing ring thereon, means coacting with certain of said plates for detachably securing the front in position, and means



adapted to extend between the smoke box and certain other oppositely disposed plates for pivotally supporting the front whereby the front may be swung to one side.

1,461,316. INDEXING PLATE FOR MILLING MACHINES. EUGENE RAYMOND LA CASSE, Syracuse, N. Y., assignor of one-half to Charles A. Haag, jr., Syracuse, N. Y. Filed May 9, 1921. Serial No. 468,049. 3 Claims. (Cl. 90—57.)

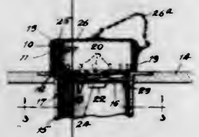


1. An indexing device for indexing heads of milling machines and the like which heads comprise a shaft connected to the indexing spindle through suitable reducing gearing, the device including inner and outer concentric index plates mounted concentric with the shaft, the inner plate having a circular series of equally spaced holes and a pointer mounted on the shaft to turn therewith and movable over the inner plate, and having means associated therewith for entering any one of the holes, the outer plate being fixed from movement and the inner plate being normally fixed from movement about its axis and being shiftable about its axis to change the position of the holes relatively to the pointer, means for determining the amount of such shifting movement to position one of the holes for a predetermined indexing and means for normally locking the inner plate from shifting movement, substantially as and for the purpose specified.

1,461,317. STRAINER AND STOPPER FOR PIPES. MINNIE LEBLESON, Guttenberg, N. J. Filed May 10, 1922. Serial No. 559,822. 2 Claims. (Cl. 4—35.)

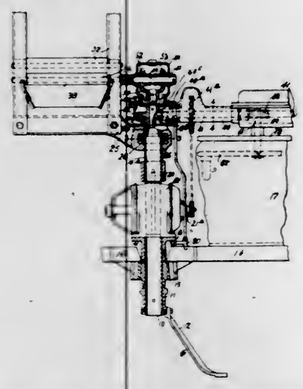
1. As an article of manufacture, a strainer and stopper for pipes, formed with a hollow body having an annular upstanding wall with an open top and having

perforations in spaced proximity to its lower end, a bottom on the lower end of the annular wall, having an imperforate flat edge portion and having a perforated



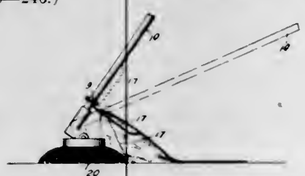
concaved central portion, and hooks on the bottom of the body for releasably engaging a crossbar in the entrance of the pipe by partially rotating the body.

1,461,318. MULTIPLE-TUB WASHING MACHINE. IRVIN D. LENGEL, Reading, Pa., assignor to Knoll Manufacturing Co., Reading, Pa., a Corporation of Pennsylvania. Filed July 7, 1921. Serial No. 482,888. 6 Claims. (Cl. 68—15.)



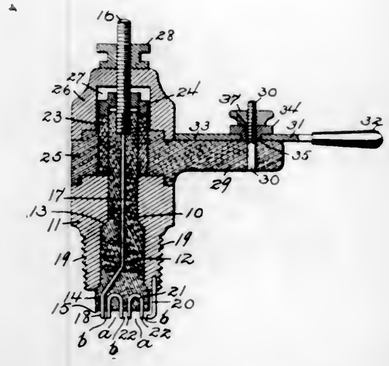
6. A multiple-tub washing machine comprising a central standard having a fixed bearing bracket carrying a swingable agitator arm and agitator drive mechanism, a tub-carrying hub rotatably mounted on said standard and formed with a series of peripheral arm-engaging recesses, a series of detachable tub-supporting bracket arms having recess-engaging projections and adapted to form rigid spoke extensions of said hub, and a movable arm-engaging catch adapted to hold any one of said rotatably adjustable arms in operative relation to the agitator.

1,461,319. FLOOR-MOP ATTACHMENT. PEARL HART MACY and JAMES SYDNEY MACY, Weehawken, N. J. Filed Nov. 24, 1920. Serial No. 426,113. 6 Claims. (Cl. 15—246.)



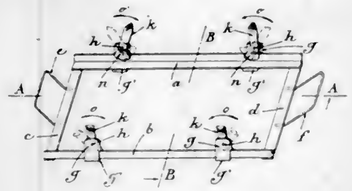
1. An attachment for the handle of a cleaning implement comprising an arm disposed in angular relation to the handle above the lower working end thereof, and means for attaching said arm to the handle, said arm being adapted to engage under and lift the edge of a floor covering during the operation of the implement.

1,461,320. SPARK PLUG. JOHN MARKS, Pearl River, N. Y. Filed July 24, 1920. Serial No. 398,744. 4 Claims. (Cl. 123—169.)



1. A spark plug comprising a core made of non-conducting material, a sleeve surrounding the bottom part of the core, the sleeve and the core having co-acting parts to limit the downward movement of the sleeve on the core, a terminal on the core terminating in a point at the bottom of the core, a thimble screwing on the terminal, a nut on the terminal so as to form a binding post, and a collar with an extension insulated from the said sleeve having means for connecting an electric circuit thereto and having a movable element to be placed in and out of contact with the thimble, the thimble resting on the collar.

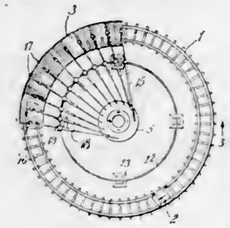
1,461,321. FRAME FOR THE HORIZONTAL DEVELOPMENT OF FILM PLATES. PAUL MATHIOTTE, Neuilly-sur-Seine, France, assignor to Pathe Cinema, Anciens Etablissements Pathe Freres, Paris, France. Filed Aug. 9, 1922. Serial No. 580,599. 2 Claims. (Cl. 95—100.)



1. A frame for the horizontal development of photographic film plates, comprising a rectangular frame body, two handles secured on said frame body, angle brackets secured on said frame body, said brackets protruding under the bottom face of the frame body, stud shafts on said brackets and cam shaped levers pivoted on said stud shafts and adapted to clamp the film plate upon the frame body.

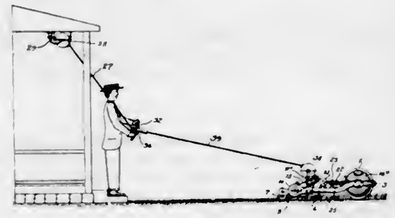
1,461,322. AMUSEMENT APPARATUS. HYLA FREDERICK MAYNES, Gaines, Pa. Filed Dec. 3, 1921. Serial No. 519,585. 7 Claims. (Cl. 104—53.)

4. An amusement apparatus comprising a substantially circular trackway, a car adapted to run upon said trackway, a collapsible tunnel adapted to enclose the car and move relative thereto, a turntable at the center of the trackway, arms radiating from said turntable



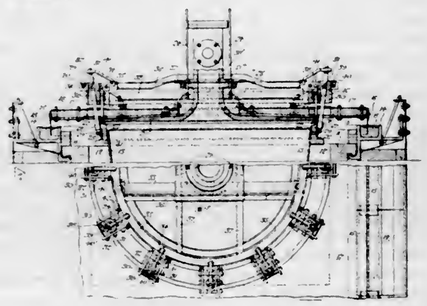
pivoted thereto and attached to the tunnel, and means for swinging the arms about their pivots to collapse and extend the tunnel.

1,461,323. LAWN MOWER. JOHN W. PETERS, Roslyn, N. Y. Filed Mar. 2, 1921. Serial No. 449,259. 3 Claims. (Cl. 191—12.)



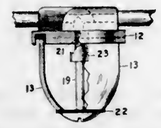
1. A lawn mower a propelling motor thereon, a flexible cable extending from the mower to a switch under the control of the operator, said switch functioning to stop and start the propelling motor and to control the direction of travel of the mower, and a flexible cable extending from the operator to a source of current supply.

1,461,324. APPARATUS FOR COKING LIQUEFIABLE BITUMINOUS MATERIALS. FRANZ PUENING, Pittsburgh, Pa., assignor to American Tar Products Company, Chicago, Ill., a Corporation of Delaware. Filed Dec. 20, 1920. Serial No. 431,854. 10 Claims. (Cl. 202—4.)



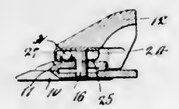
10. A retort mechanism, comprising, in combination; a retort receptacle, a plurality of suspension members engageable with said receptacle for holding the latter suspended, and means for releasing said suspension members in unison to permit dumping of said receptacle, substantially as specified.

1,461,325. OILER FOR ENGINES. WALTER A. RARIG, Oakland, Calif. Filed Dec. 1, 1917, Serial No. 204,926. Renewed Mar. 26, 1923. 9 Claims. (Cl. 184—11.)



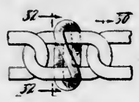
1. A sight glass of the character described, comprising a plate having an inlet and an outlet opening therein, a transparent tubular member having one end fitted against one face of the plate and having said openings communicating therewith, a cap closing the other end of said tube, and a connecting rod detachably connecting said cap and plate together, whereby the parts are maintained in position.

1,461,326. HAIR CLIPPER. WALTER HUNT REDMAN, Newark, N. J., assignor, by mesne assignments, to H. Boker & Co., Inc. (of N. J.), New York, N. Y., a Corporation of New Jersey. Filed May 2, 1919. Serial No. 294,237. 4 Claims. (Cl. 30—1.)



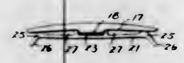
1. In an instrument of the character described comprising a comb-plate, a cutter-plate thereon having a smooth uniform flat upper surface, a cover-plate having a smooth flat lower surface and means for operating the cutter-plate, in combination, a frame interposed between said flat upper surface of the cutter-plate and the said flat lower surface of the cover-plate and connected with the cover-plate, and ball-bearings carried by said frame and engaging the said upper flat surface of said cutter-plate, said frame comprising an upper plate member engaging the forward flat lower surface of said cover-plate to the front edge of said cover-plate, an exposed front member extending downwardly from the front edge of said upper plate member and at the front edge of said cover plate, ends and a rearwardly extending lower plate member containing slots in which said ball-bearings are located, said cover-plate having adjacent to its ends downwardly projecting studs which extend through said upper plate member, said cutter-plate and said comb-plate.

1,461,327. TREAD SECTION FOR ANTISKID DEVICES FOR VEHICLE WHEELS. JOHN R. REYBURN, Fairfield, Conn., assignor to American Chain Company, Inc., a Corporation of New York. Continuation of application Serial No. 305,139, filed June 18, 1919. This application filed Mar. 1, 1921. Serial No. 448,764. 14 Claims. (Cl. 152—14.)



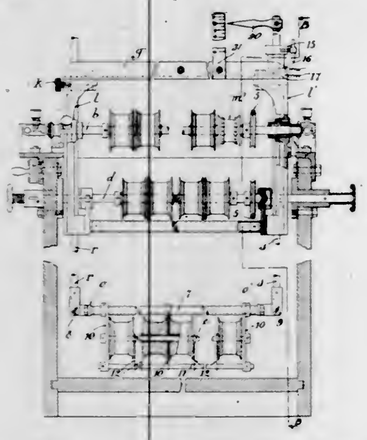
1. An anti-skid device for vehicle wheels, comprising a tread element including a chain link having oppositely arranged strands, and contact means for said strands comprising a section of wire extending transversely of the link and bent about said strands and connecting the same.

1,461,328. COLLAR HOLDER. EVERETT IRVINO ROGERS, Jr., Providence, R. I. Filed Nov. 15, 1920. Serial No. 424,148. 2 Claims. (Cl. 24—81.)



1. A collar holder comprising a rigid front bar constructed of a single faced metal pressed to form a rearwardly opening channel, said metal having adjacent the center thereof at the rear edge, clip extensions for engaging a back bar; and a resilient back bar operatively related to said front bar and providing a centrally disposed loop-like member for receiving in permanent relation said clip extensions.

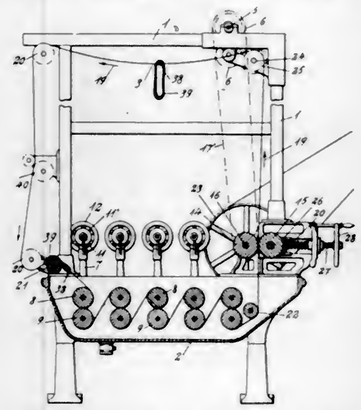
1,461,329. MACHINE FOR TREATING CINEMATOGRAPHIC FILMS. GEORGES AUGUSTIN SALINS, Vincennes, France, assignor to Pathe Cinema, Anciens Etablissements Pathe Freres, Paris, France. Filed Mar. 29, 1922. Serial No. 547,716. 6 Claims. (Cl. 95—94.)



1. A machine for treating cinematograph films comprising a treating vat, two upper longitudinal shafts arranged in the upper part of said vat on a level higher than the upper edge of said vat, an intermediate longitudinal shaft on a lower level than the upper shafts, two lower longitudinal shafts arranged in the bottom of the vat, means for supporting the lower shafts at a variable height in the vat, film supporting rollers placed end to end upon said shafts and so arranged that the film is transported in the longitudinal direction of the vat for a distance equal to the length of one roller during a vertical zig-zag movement of said film from one of the upper rollers to the next adjacent upper roller and means for feeding the film around the rollers.

1,461,330. MACHINE FOR TREATING SKEINS OF THREAD. MIGUEL SANTALÓ, Barcelona, Spain. Filed July 8, 1922. Serial No. 573,735. 2 Claims. (Cl. 8—19.)

1. A machine for treating skeins, having in combination, a vat containing the bath, a plurality of pairs of rollers, the upper roller of each pair being adjustable, two endless parallel chains following a path partly inside and partly outside of the bath, a pair of positively driven pulleys to impart motion to said endless chains, wheels for guiding said endless chains outside of the bath, wheels for guiding said endless chains inside of the bath and mounted loosely on the axles of said rollers inside of the vat so as to allow the skeins carried by said chains to follow a zigzag course while passing



through the pairs of rollers, and driving mechanism to set in motion said rollers contained inside of the bath at a peripheral speed slightly greater than that of the chains.

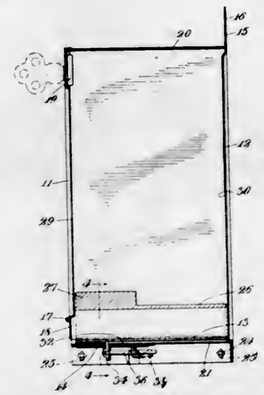
1,461,331. TYPEWRITING MACHINE. PETER L. SCHMIDT, Mohawk, N. Y., assignor to Remington Typewriter Company, Ilion, N. Y., a Corporation of New York. Filed July 24, 1922. Serial No. 576,944. 4 Claims. (Cl. 197—161.)



1. In a typewriting or like machine, the combination of two ribbon spools, two spring pressed independently operable pivoted members, each comprising a sheet metal combined ribbon contact and reversing device with its parts all rigidly united, one member associated with each spool and having its contact bearing against the outer surface of the ribbon thereon and moving inwardly towards the axis of its spool to bring about a reversal in the direction of the feed of the ribbon, a driving gear for each ribbon spool and on which the spool is directly mounted and supported, a longitudinally shiftable driving shaft carrying pinions, one movable into mesh with its driving gear when the other is moved out of mesh with its companion driving gear, and two independently adjustable cams on said shaft and with each of which directly coacts the associated combined ribbon contact and reversing device member to cause the shaft to be shifted longitudinally by a camming action and reverse the direction of feed of the ribbon, whereby there is a direct meshing between the pinions on the shiftable shaft and the driving gears for the spools, a direct connection between the driving gears and the spools and a direct control between each of said combined members with the ribbon on its spool on the one hand, and between the member and its associated cam on the other hand.

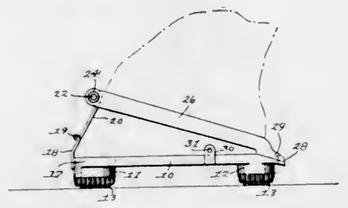
1,461,332. PAPER-CUP-DISPENSING DEVICE. JOSEPH SCHOPPE, New York, N. Y. Filed Apr. 1, 1922. Serial No. 548,601. 1 Claim. (Cl. 211—8.)

A dispensing apparatus for flat paper cups having transversely folded edges near their front ends, said apparatus comprising a container having a relatively low front wall, a spring locked front plate hinged to said wall, a bottom plate having raised flanged side edges containing slots, means passing through the slots for adjustably securing the flanges within the side walls of the container, a hook adapted to contact with the folded edge of the lowermost cup, vertical guides extending in-



wardly from the rear wall of the container and from said front plate, said guides making contact with the folded cups, means for pressing the cups upon the surface of said bottom plate, a lever pivoted on said plate to move in a horizontal plane, a spring for retracting said lever, and an operative connection between said lever and said hook.

1,461,333. HORSESHOE. CHARLES SOLTESZ, New York, N. Y., assignor of one-half to Josef R. Hladish, New York, N. Y. Filed May 14, 1921. Serial No. 469,404. 1 Claim. (Cl. 168—31.)

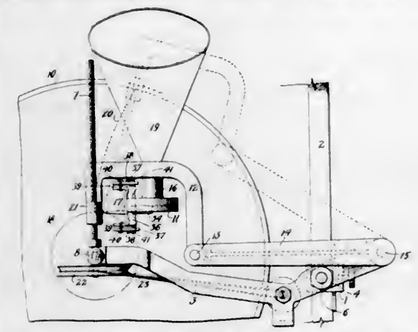


In a horseshoe of the class described including a tread member, a plurality of curved bodies having a substantially semi-circular cross-section, a lower corrugated ground-engaging face on each of said bodies, and an upper flat tread-engaging face, eyes on said bodies allowing the passage of fastening means for fastening said bodies to said tread, and a cross-bar for strengthening said bodies.

1,461,334. PHONOGRAPH. WILLIAM M. VENABLE, Pittsburgh, Pa. Original application filed Apr. 1, 1920, Serial No. 370,521. Divided and this application filed Aug. 12, 1921. Serial No. 491,656. 11 Claims. (Cl. 224—13)

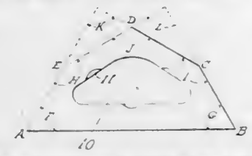
1. In disc phonograph apparatus, the combination of a soundbox with a stylus, a vertically pivoted guide arm therefor, a vertical pivot connecting the soundbox to the

guide arm, and a feeding mechanism for the soundbox, said feeding mechanism also operating to move the soundbox on its pivot to maintain the stylus axis in a



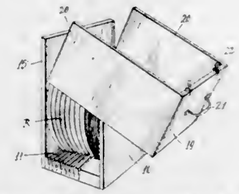
plane substantially tangential to the direction of rotation of the disc at the point of stylus contact with said disc.

1,461,335. DRAWING IMPLEMENT. KENNETH D. VOSLER, South Amboy, N. J. Filed June 23, 1920. Serial No. 391,093. 2 Claims. (Cl. 33—104.)



1. A drawing implement comprising a thin flat body having a comparatively long straight base, two straight sides converging from the ends of the base at 60° angles thereto, and two other straight sides extending at 150° angles, from the ends of said first mentioned sides remote from the base and meeting in a 120° angle.

1,461,336. HOLDER OR CABINET FOR CARRYING TALKING-MACHINE RECORDS. HANS WEIDE, Brooklyn, N. Y., assignor to Lorenz & Weide, New York, N. Y. Filed Aug. 4, 1921. Serial No. 489,676. 8 Claims. (Cl. 211—16.)



1. A record holding cabinet comprising a bottom section and a top section hinged thereto, the top section forming the entire top and end walls of the cabinet whereby the top section when swung to open position upon the hinges will permit the records to be removed laterally from the cabinet.

1,461,337. WALL BOARD. HOWARD FREDERICK WEISS, Madison, Wis., assignor to C. F. Burgess Laboratories, Madison, Wis., a Corporation of Wisconsin. Filed Feb. 26, 1919. Serial No. 279,288. 15 Claims. (Cl. 18—48.)

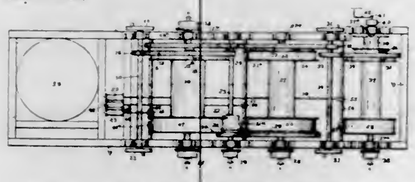
1. The method of manufacturing composite board by a continuous process, which comprises shredding fibrous

material with a binding agent in a substantially dry and solid condition to produce an intimate mixture, forming the dry mixture into a layer of the desired thickness,



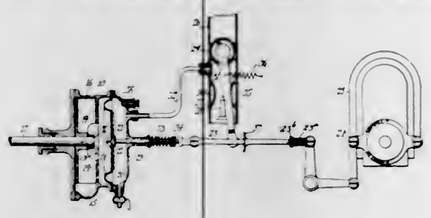
compressing such layer, heating the same to soften the binding agent, and again compressing to consolidate the mixture into a board of nonhydrolyzed fiber.

1,461,338. LOGGING ENGINE. OSCAR A. WIRKKALA, Rome Township, Whatcom County, Wash. Filed Apr. 21, 1921. Serial No. 463,329. 7 Claims. (Cl. 254—185.)



1. In a logging donkey engine in combination, a donkey engine frame, three cable drums mounted in column on parallel shafts for rotation on said frame, two prime-mover shafts mounted parallel with said drum shafts for revolution on said frame, separately controllable power connections between each of said prime-mover shafts and each of said drums adapted to transmit power of rotation from either of said prime-mover shafts to each of said drums without connection with either of the other of said drums, and separately controllable means to operate each of said prime-mover shafts.

1,461,339. IGNITION REGULATOR FOR INTERNAL COMBUSTION ENGINES. GOTTFRIED WIRRER, Plainfield, N. J., assignor, by mesne assignments, to Connecticut Telephone and Electric Co., Inc., Meriden, Conn., a Corporation of Connecticut. Filed May 3, 1912. Serial No. 695,803. 43 Claims. (Cl. 123—99.)



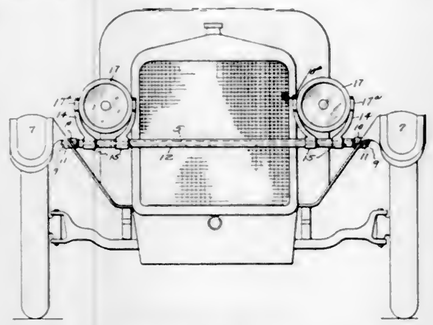
1. In an internal combustion engine, means for timing the ignition comprising a movable member subjected to a fluid pressure determined by the combined effect of the speed of the engine and the load thereon.

1,461,340. RADIOACTIVE SPRAY MATERIAL. RALPH RANDOLPH ADAMS, Yonkers, N. Y. Filed Aug. 20, 1915. Serial No. 46,492. Renewed Nov. 24, 1922. 5 Claims. (Cl. 167—6.)

1. A spray material for stimulating plant growth consisting of a suitable vehicle containing radium in combination with an adhesive material, substantially as described.

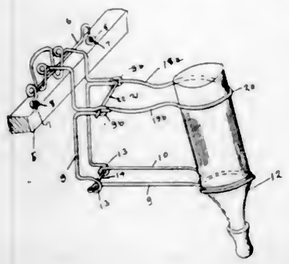
5. A spray material for stimulating plant growth consisting of radium-bearing barium salts in combination with an adhesive material and arsenate of lead, substantially as described.

1,461,341. DIRIGIBLE HEADLIGHT. PETER N. ANDRESEN and PHILLIP J. JEFFWAY, Salem, Oreg. Filed Apr. 5, 1922. Serial No. 549,721. 2 Claims. (Cl. 240—61.)



1. An automobile headlight supporting and tilting mechanism, comprising a rod and means to secure it between the front fenders of the automobile, a sleeve rotatably mounted on said rod, lamp-supporting brackets adjustably mounted on said sleeve, an adjustable rod connected to one of said brackets, a lever adapted to be centrally pivoted on the dash board of the automobile, said adjustable rod being connected to the lower end of said lever, manually operable means connected to the upper end of said lever, and a spring tending to swing said lever so as to elevate the focal axes of the lamps.

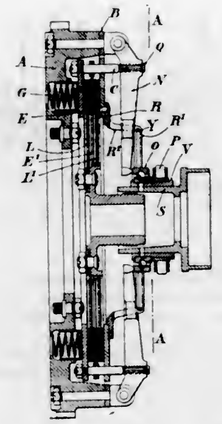
1,461,342. HOLDER FOR NURSING BOTTLES. RUSSELL E. BANNON, Springfield, Mass. Filed Aug. 26, 1920. Serial No. 406,248. 3 Claims. (Cl. 248—65.)



2. A bottle holder consisting of a frame provided with a laterally disposed loop adapted to receive the neck of an inverted bottle, and a yoke pivoted to the frame above the loop and provided with means for supporting the bottle in more than one inclined position.

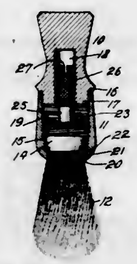
1,461,343. CLUTCH DEVICE FOR MOTOR VEHICLES. MARIUS JEAN BAPTISTE BARBAROU, Paris, France. Filed Apr. 21, 1922. Serial No. 555,858. 2 Claims. (Cl. 192—69.)

1. In a clutch device for motor vehicles, the combination of clutching members, rocking levers adapted to act on the same, a thrust-bearing adapted to push said levers in one direction, return springs adapted to move said levers in the opposite direction, a sheet metal member having radial slots through which the levers are adapted to extend, a circular abutment member adapted



to limit the rocking movement of the levers towards the thrust-bearing and means on the sheet metal member for retaining said abutment member in position.

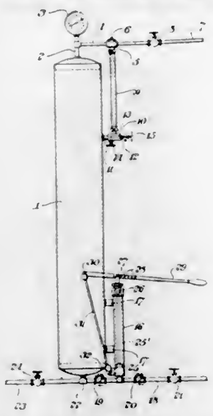
1,461,344. LATHER BRUSH. MARCUS B. BEHRMAN, New York, N. Y., assignor to Lox Seal Corporation, Brooklyn, N. Y., a Corporation of New York. Filed July 22, 1922. Serial No. 576,679. 4 Claims. (Cl. 15—194.)



1. A lather brush comprising a bunch of bristles or the like having a knot-end encompassed by a metal band, a ferrule having an inner screw thread and in its lower portion a seat for said band, a threaded flat binding disk screwed into the lower portion of said ferrule against the knot of the bunch, and a handle having a threaded shank end screwed into the thread of the ferrule at the upper end portion thereof and also a shoulder to engage the upper edge of the ferrule and arrest said shank end above said disk, said disk having a central upwardly extending operating stem by means of which the disk may be screwed to position.

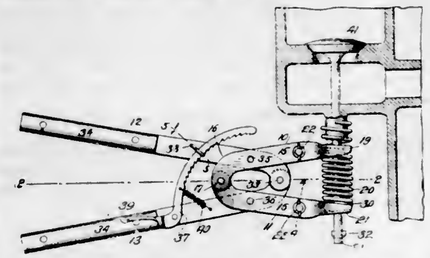
1,461,345. METHOD AND MECHANISM FOR TESTING GAS. ALEXANDER CLARKE, Charleston, W. Va., assignor to United Hydro-Carbons Company, a Corporation of West Virginia. Filed Mar. 4, 1920. Serial No. 363,256. 9 Claims. (Cl. 23—3.)

1. The herein-described method of treating gas for determining its gasoline content, which consists in compressing and cooling, a predetermined quantity of the gas by the action of a cooling liquid under pressure



adapted to cause the gasoline content to be converted into a liquid state, and measuring the liquid gasoline.

1,461,346. VALVE-SPRING COMPRESSOR FOR AUTOMOBILE AND OTHER ENGINES. DOMINICK CLEMICO, Yonkers, N. Y. Filed Jan. 27, 1922. Serial No. 532,065. 6 Claims. (Cl. 29—86.3.)



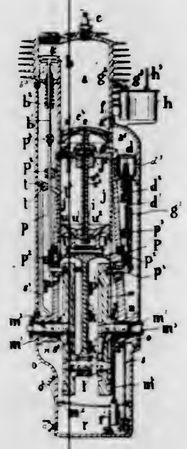
1. A tool of the character described comprising two coacting jaw members provided with jaws on their forward ends adapted to be engaged with a spring and at their rear ends being turned toward each other and pivoted together, two handle bar members turned toward each other at their forward ends and pivoted together and crossing said jaw members forwardly of their pivot and being pivotally secured thereto, and a rack normally resisting outward movement apart of said jaw members and handle bar members.

1,461,347. CARRIAGE PULL BAND FOR TYPEWRITING AND LIKE MACHINES. HARRY E. COOK, Washington, D. C., assignor to Remington Typewriter Company, Ilion, N. Y., a Corporation of New York. Filed Sept. 24, 1920. Serial No. 412,426. 1 Claim. (Cl. 197—60.)



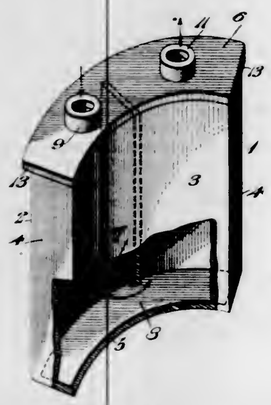
A pull band for typewriting and like machines, the body portion of which is made wholly of textile material and has rosin incorporated in its otherwise untreated body sufficient in quantity to render the band stiff enough to thread through parts of a machine and clingy enough to prevent slipping.

1,461,348. TWO-STROKE ENGINE. RICHARD HARLAND DICKINSON, Farnham, England. Filed Nov. 27, 1920. Serial No. 426,729. 11 Claims. (Cl. 123—69.)



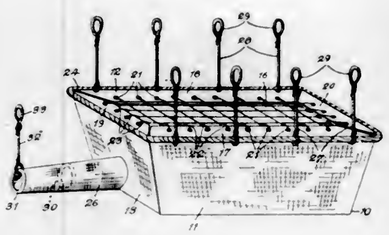
1. A two-stroke engine comprising a cylinder, a piston reciprocable within said cylinder, one end of said cylinder forming the working chamber, the other end of said cylinder forming the pump chamber, an exhaust valve in said working chamber, an inlet port in said pump chamber, a transfer port adjacent to said inlet port, a passage connecting said ports, means for admitting air only through said inlet port, and means for carburetting said air after compression in said pump chamber.

1,461,349. WATER BACK FOR HOT-AIR AND OTHER FURNACES. JOSEPH HOFFENTHALER and CHARLES H. FISCHER, Philadelphia, Pa. Filed Feb. 27, 1922. Serial No. 539,463. 4 Claims. (Cl. 126—34.)



1. A water back for a heater of the character stated having a vertically-disposed body, and a closing cap plate provided with a flange outwardly extended for contact with an offset shoulder within the furnace, there being a depending diaphragm within the body extending to nearly the bottom.

1,461,350. FISH-SHIPPING TANK. GOTTFRIED L. A. FRIEDRICHS, New York, N. Y. Filed July 3, 1922. Serial No. 572,615. 4 Claims. (Cl. 119—5.)

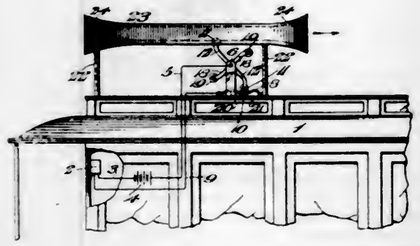


1. A fish shipping tank, comprising a substantially rectangular flexible waterproof hollow body with an open top and having an outlet in its lower part, a flexible chute extending from the edge of the outlet opening of the body and the chute being longer than the height of the body, and means on the upper edges of the walls of the body whereby the body may be removably suspended to a support.

1,461,351. CLEANING COMPOSITION. DANIEL E. HAKES and AUGUST LAPEROU, Calexico, Calif. Filed Dec. 17, 1919. Serial No. 345,463. 1 Claim. (Cl. 87—5.)

The herein described composition of matter, consisting of olive oil, 1 ounce; water, 1 quart; the extractive matter of two ounces of soap bark; washing powder, 6 ounces; glycerine, 1 ounce; turpentine, ½ ounce; aqua ammonia, ½ ounce; baking soda, 2 ounces; and wood flour, 1½ quarts, all mixed and boiled to form a paste.

1,461,352. CAR SIGNAL DEVICE. EBLE H. HAND, Stapleton, N. Y. Filed Mar. 25, 1922. Serial No. 546,663. 14 Claims. (Cl. 246—196.)

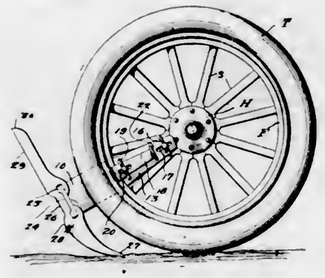


1. In a car signal device, a contact member carried on a car, a shaft mounted above said member, a hub rotating on said shaft, and provided with radial arms arranged in pairs of different lengths, and rollers mounted in the ends of said arms to actuate said contact member for opening and closing an electric circuit.

1,461,353. LIFTING JACK FOR MOTOR VEHICLES. ABNER L. HOLTON, Big Stone Gap, Va. Filed June 12, 1922. Serial No. 567,691. 7 Claims. (Cl. 254—74.)

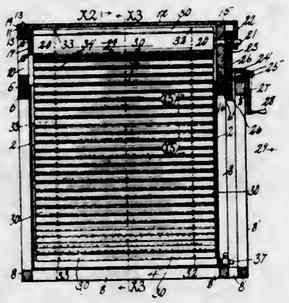
1. In combination with a motor vehicle wheel a device consisting of a substantially U-shaped shoe or yoke adapted to be fitted about the tire and felly of said motor vehicle wheel, having an arm extending from the upper

leg of the shoe or yoke at substantially right angles thereto, the arm having an elongated hole near the top through which to pass a threaded bolt, said bolt having on



one end a wheel supporting lug and on the opposite end a thumb nut; and a latch to fasten the device to the wheel.

1,461,354. WASHING MACHINE. TOYOJIRO INAKI, Fresno, Calif. Filed Sept. 25, 1919. Serial No. 326,415. 3 Claims. (Cl. 68—37.)



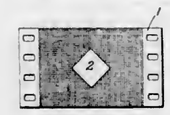
1. A washing machine comprising a receptacle for washing fluid; a frame supporting said receptacle; a standard secured to said frame and having a pin secured to its top; another standard removably mounted on said frame and provided with sockets on its lower edge; pins on the frame adapted to cooperate with said sockets to hold the other standard in position on the frame; a head bar connected to said other standard and having an opening at one end adapted to cooperate with the pin in the top of the standard secured to said frame; a hanger secured to said head bar; a roller positioned above said receptacle and journalled in said hanger and said other standard; an endless apron supported by said roller; and means for revolving said roller and apron for the purpose set forth.

1,461,355. ATTACHMENT FOR JACKS. STEVE A. IRWIN, Robinson, Ill. Filed Jan. 25, 1922. Serial No. 531,692. 1 Claim. (Cl. 254—111.)

As a new article of manufacture, a handle carrying attachment for jacks formed as a single casting and comprising a main section having an elongated solid shank and a handle receiving socket extending from one end of said shank, an auxiliary handle receiving socket extending from the main section adjacent the inner end of the socket of the main section at an angle for extending upwardly when the device is in use, a brace bar extending between said sockets, and jack engaging abutments extending from the upper and lower sides of said shank.

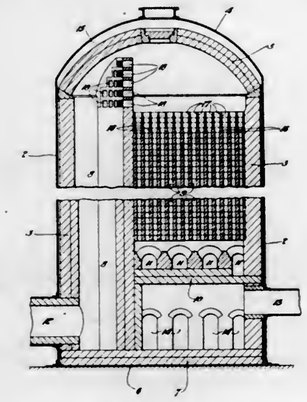


1,461,356. COLOR TRANSPARENCY. WILLIAM V. D. KELLEY, Newark, N. J., assignor to Prizma, Incorporated, Jersey City, N. J., a Corporation of Maine. Filed Aug. 25, 1920. Serial No. 405,787. 3 Claims. (Cl. 88—16.4.)



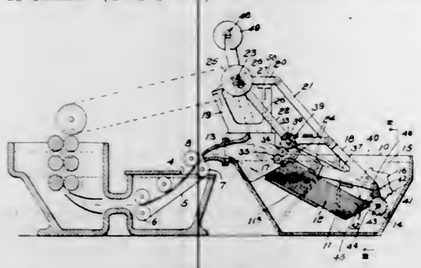
1. Process of making a color transparency consisting in printing from a single negative in one operation images in different layers of multiple layer positive, developing both images, and coloring one image in one color and the other in a contrasting color.

1,461,357. HOT-BLAST STOVE. FRED E. KLING, Youngstown, Ohio. Filed June 27, 1922. Serial No. 571,181. 6 Claims. (Cl. 263—19.)



1. In a hot blast stove, a plurality of relatively small vertical flues forming vertical checkerwork, said flues having their walls reduced in thickness from a point intermediate their ends to their top and having wedge-shaped tops, and a plurality of relatively large horizontal flues forming horizontal checkerwork above said vertical flues, said horizontal checkerwork communicating with the combustion chamber and with the distributing chamber above said vertical flues, all substantially as and for the purpose described.

1,461,358. PLATE-FEEDING MECHANISM. CHARLES A. KLOMAN, Bellevue, Pa., assignor to The Colonial Engineering Company, Pittsburgh, Pa., a Corporation of Delaware. Filed May 25, 1921. Serial No. 472,496. 13 Claims. (Cl. 271—37.)

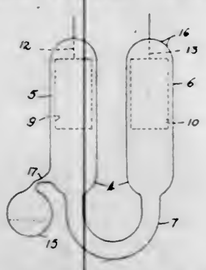


1. In a plate-feeding machine, means for supporting a stack of plates, pick-up rolls for engaging one edge of the upper plate of the stack and for lifting it above the stack, and means for engaging the elevated edge of the plate and for sliding the plate across the stack.

1,461,359. ELECTRIC GAS LAMP. ANTON LEDERER, Vienna, Austria, assignor to Westinghouse Lamp Company, a Corporation of Pennsylvania. Filed May 16, 1914. Serial No. 839,091. 14 Claims. (Cl. 176—122.)

1. The method of lowering the starting potential of a commercially unfinished electric discharge device, which comprises vaporizing and forming in the device a thin deposit of an electro-conductive material, as a step preliminary to its commercial use.

1,461,360. ELECTRIC GAS LAMP. ANTON LEDERER, Vienna, Austria, assignor to Westinghouse Lamp Company, a Corporation of Pennsylvania. Filed July 18, 1914, Serial No. 851,836. Renewed May 3, 1921. Serial No. 466,401½. 17 Claims. (Cl. 176—122.)



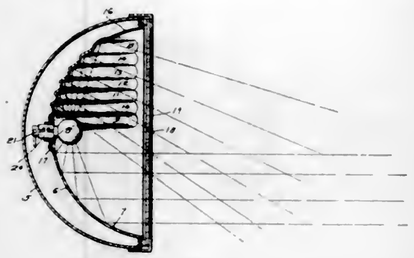
1. An electric gas lamp comprising an envelope enclosing a gaseous atmosphere, non-alkali metal electrodes and a relatively small quantity of an alkali metal in the form of a deposit.

1,461,361. FISH-TAPE PULLER. HAROLD E. LUBKER, Grand Junction, Colo. Filed July 12, 1922. Serial No. 574,404. 4 Claims. (Cl. 294—3.)



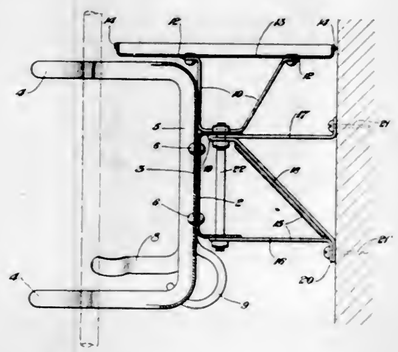
1. A tool of the character described comprising a pair of handles, jaws carried by said handles, pivotal connection between the outer ends of said jaws, said jaws being adapted to receive an article to be gripped therebetween, and means associated with said pivotal connection for retaining said jaws against lateral displacement.

1,461,362. NONGLARE REFLECTOR. JAMES N. LYLES, Addison Heights, Va. Filed Sept. 1, 1922. Serial No. 585,681. 3 Claims. (Cl. 240—41.)



1. A parabolic lamp reflector having a plurality of straight horizontally arranged stepped portions extending entirely across the upper half thereof from side to side and arranged to direct light rays received from a source of light placed at its focus downwardly and substantially at the same angle of inclination at all points in the length of said stepped portions.

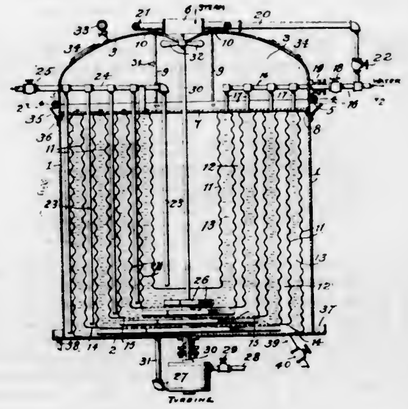
1,461,363. UTENSIL HOLDER. FRANK R. MCGEE, Steubenville, Ohio. Filed Dec. 30, 1921. Serial No. 525,913. 3 Claims. (Cl. 211—17.)



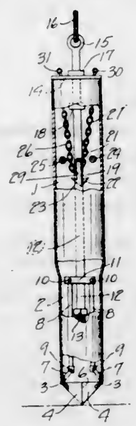
1. The combination with a wall of a utensil rack comprising a channel shaped assembly bar arranged with its flanges projecting toward the wall and its web forming a forward face, shelf supporting brackets secured to and extending upwardly from the upper flange of said assembly bar, a shelf supported on said brackets, a plurality of utensil supporting members secured to the web of said assembly bar, and a plurality of wall supporting brackets each of which is pivotally secured to the upper and lower flanges of said assembly bar and rigidly secured to the wall.

1,461,364. DEVICE FOR CONDENSING GASES. CHARLES R. MABEE and MAY C. MABEE, Buffalo, N. Y. Filed Feb. 5, 1915, Serial No. 6,359. Renewed Dec. 7, 1922. 12 Claims. (Cl. 257—197.)

1. In an upright surface condenser, the combination of a cylindrical container, a plurality of annular steam chests mounted therein and separated to form therebetween a plurality of annular spaces, means for introducing a cooling fluid between the exterior surfaces of said annular steam chests, and connected rotors operatively associated one with each of said spaces whereby to circulate the cooling fluid over the surfaces of the steam chests.

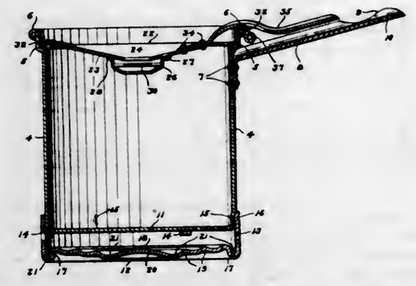


1,461,365. OIL-WELL BAILER. CHARLES WILLIAM MORRIS, Laramie, Wyo. Filed Apr. 7, 1922. Serial No. 550,286. 2 Claims. (Cl. 166—19.)



1. A well bailer, comprising a hollow cylinder open at bottom and closed at top; scoop shaped jaws hinged at the lower end and adapted to open in conformity with the contour of the cylinder and to close together on a central line; shanks rigidly secured to the jaws and extended inwardly; connecting rods pivoted at their lower ends to said shanks; a plate secured to the upper ends of said connecting rods; a square draw rod passing freely through the said plate and freely through the top of the cylinder, and ending in an eye adapted to engage a line; stops on the draw rod above and below the cylinder top; cross bars oppositely mounted inside the cylinder; hook-arms oppositely pivoted to the draw rod, and carrying hooks adapted to swing out and engage the cross bars; and chains attached to the hook arms and extended freely up through the top of the cylinder.

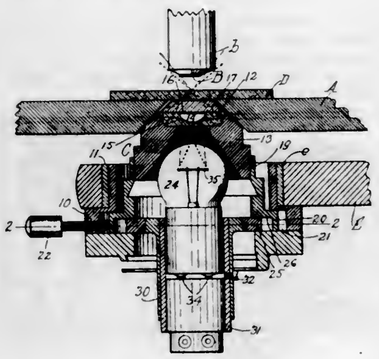
1,461,366. COOKING UTENSIL. HAROLD V. MULFORD and WALTER D. FELTY, Paulsboro, N. J. Filed Apr. 7, 1922. Serial No. 550,348. 3 Claims. (Cl. 53—1.)



1. A lid of the class described having a flat peripheral portion, a conical portion contiguous therewith provided with an opening at its apex, tongues punched out of said lid adjacent the said opening, a valve associated with the opening in the lid, said valve comprising a basket of substantially U shaped cross-section, said basket being adapted to be supported by said tongues and having an opening in its bottom, a flat float disposed within the basket consisting of a central portion adapted to seal the opening in the lid, and radial arms extending from said central portion for holding said float in spaced relation to the aforesaid opening in the basket.

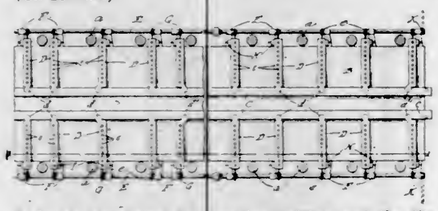
2. A lid for a cooking vessel having a handle integral therewith, said lid being adapted to be supported on a cooking vessel below the upper edge thereof, a shoulder portion on said handle shaped to span the upper edge of the vessel, and a spring tongue punched out of the said handle, said tongue being curved to resiliently engage the upper edge of the vessel.

1,461,367. CONDENSER OR ILLUMINATOR FOR MICROSCOPES. HARVEY N. OTT and HARRY G. OTT, Buffalo, N. Y., assignors to Spencer Lens Company, Buffalo, N. Y. Filed May 3, 1920. Serial No. 378,371. 10 Claims. (Cl. 88—40.)



1. In a specimen illuminator for microscopes, the combination of a source of light, a device for directing the light rays from said light to the specimen, a support in which said ray-directing device and the source of light are mounted, means for adjusting said support with said ray-directing device and source of light carried thereby relatively to the optical axis of the microscope, and means for independently adjusting said source of light relatively to the ray-directing device.

1,461,368. APPARATUS FOR USE IN MAKING BELTS OR THE LIKE. CHARLES H. PAEPLOW, Buffalo, N. Y. Filed May 16, 1922. Serial No. 561,402. 11 Claims. (Cl. 18—17.)



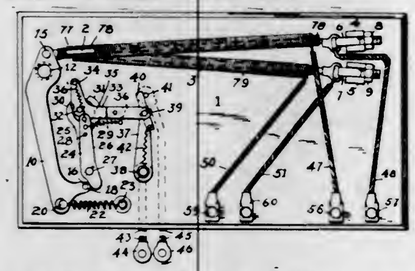
1. In an apparatus for treating belting and the like, the combination of a platen adapted to receive the belt, a side bar movable toward and from said belt, slides arranged at a side of said platen and connected with said side bar, and means for moving said slides to cause said side bar to move toward and from a belt.

1,461,369. CONCRETE WALL. ALONZO GUSTAVIS REYNOLDS, Oakland, Calif. Filed Jan. 20, 1920. Serial No. 352,707. 1 Claim. (Cl. 72—6.)



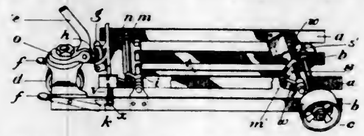
A wall comprising spaced walls formed from plastic slabs, interlocking means between the vertical ends of said slabs and in vertical alignment, plastic columns disposed between spaced walls at the points of engagement of the slabs which slabs engage each other centrally of the column, horizontally disposed reinforcing rods extending through the slabs, the ends of said reinforcing rods extending inwardly at right angles from the slabs at points spaced from their ends, the inwardly extending portions of the horizontally disposed reinforcing rods being bent to form outwardly extending hooks, said hooks being imbedded in the plastic columns, and vertically disposed reinforcing rods extending through said columns and through said hooks thereby tying the adjacent ends of the slabs to the columns.

1,461,370. OVERLOAD DEVICE. CHARLES H. RIPPL, Cleveland, Ohio, assignor to The Electric Controller & Manufacturing Company, Cleveland, Ohio, a Corporation of Ohio. Filed Dec. 14, 1921. Serial No. 522,231. 3 Claims. (Cl. 200—122.)



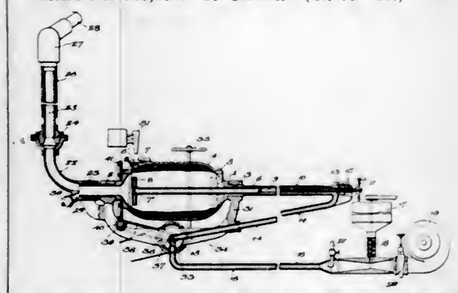
1. In an overload device for an electric circuit, a switch for controlling the circuit, an expansive wire electrically connected to the circuit for controlling the switch, a coil electrically connected to the circuit and arranged to transmit heat to the wire, the thermal capacity per linear unit of the expansive wire and of the wire of the coil being so proportioned that, when current above a predetermined value traverses the expansive wire and coil, the former will effect the operation of the switch without overheating the coil and, when current above a predetermined lower value traverses the expansive wire and coil, the coil will transmit sufficient heat to the expansive wire to effect the operation of the switch before the coil becomes overheated.

1,461,371. ELEVATING TRUCK. ANDREW SONANDER, Rutland, Vt., assignor to Howe Scale Company, Rutland, Vt., a Corporation of Vermont. Filed Nov. 17, 1919. Serial No. 338,730. 3 Claims. (Cl. 254—10.)



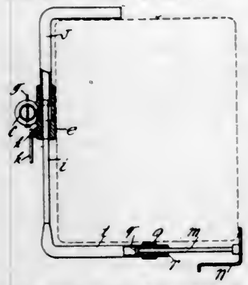
1. In a truck or the like, a vehicle frame, a second frame, rock shafts mounted on fixed parallel axes on said vehicle frame, means for oscillatably connecting said rock shafts, lever arms keyed to said rock shafts, one of said lever arms when oscillated by the other lever arm being adapted to elevate one end of said second frame and the other of said lever arms being suitably disposed to be oscillated by said second frame when an elevating movement is imparted thereto, and means for elevating the other end of said frame.

1,461,372. PROCESS OF TREATING ORE AND LIKE MATERIALS. WALTER E. TRENT, Washington, D. C., assignor to Trent Process Corporation, Washington, D. C., a Corporation of Delaware. Filed Feb. 21, 1920. Serial No. 360,452. 15 Claims. (Cl. 75—17.)



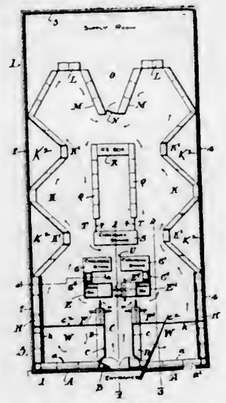
1. The method of treating ore and like materials, consisting in subjecting divided particles of ore or the like to heat treatment to place the same in adhesive condition, in projecting the treated ore upon a collecting surface to form a coherent mass and in then applying heat to the mass to smelt the ore.

1,461,373. LUGGAGE CARRIER. JOHN W. WHITESIDE, New York, N. Y. Filed Feb. 13, 1922. Serial No. 536,151. 3 Claims. (Cl. 224—29.)



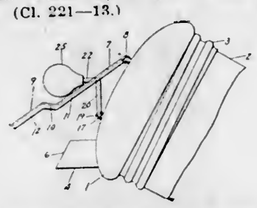
1. A luggage carrier for taxicabs and the like, comprising a supporting column, and an arm carrying bracket adjustable on said supporting column, one arm of said bracket being adjustable, said adjustable arm also being provided with an adjustable extension.

1,461,374. SELF-SERVING STORE. LORENZO NORWOOD ANDERSON, Hawkinsville, Ga. Filed Feb. 14, 1921. Serial No. 444,687. 5 Claims. (Cl. 211—8.)



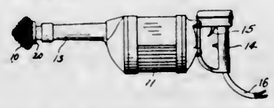
3. A self-serving store having at the front a lobby and at its front portion shelves on opposite sides of the lobby, shelves arranged in zig-zag fashion running along the side walls of the store from front to rear thereof, entrance and exit gates for the lobby, checkers' stands adjacent said gates but in rear thereof, shelves arranged in the middle portion of the rear part of the store, and another checker's stand arranged between said last-mentioned shelves and the first-mentioned checkers, said checkers' stands being accessible from either side of the store.

1,461,375. TOP FOR CONTAINERS. CHARLES S. BARON, Tiffin, Ohio. Filed July 2, 1921. Serial No. 482,048. 9 Claims. (Cl. 221—13.)



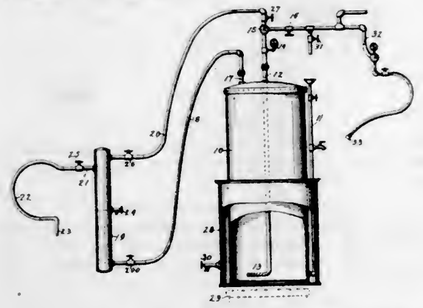
1. The combination with a container top provided with a discharge spout, of a lid for the spout hinged to the top, and lid opening and closing mechanism comprising a gravitationally actuated bent lever hinged to the top and operative within a slot provided for it in the lid.

1,461,376. CUTTING BUR. FRANCIS A. BARTLETT, Stamford, Conn. Filed Nov. 29, 1921. Serial No. 518,546. 3 Claims. (Cl. 144—219.)



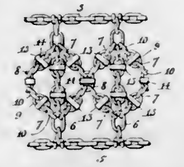
1. In the art of tree surgery, means for gouging out a cavity to be filled, comprising a power driven cutting bur completely free and controllable so that it may be operated at various angles and is freely movable in any direction, said cutting bur comprising a plurality of spaced discs having cutting teeth on their peripheries, the discs intermediate the ends of the bur being of larger diameter than those adjacent the ends thereof to give a curved contour to the bur, and a guiding flange at the inner end of the bur of sufficient diameter and thickness to afford with relation to the contour of the bur a guiding bearing upon which the bur may be rocked to govern the penetration of the teeth.

1,461,377. GAS APPARATUS. FRANK BELLVILLE, EDWIN A. BELLEVILLE, and ROBERT S. HENDERSON, Twin Falls, Idaho. Filed Apr. 9, 1920. Serial No. 372,569. 1 Claim. (Cl. 48—190.)



In apparatus of the class described, the combination of a generating tank, a chamber, a pipe leading from said tank to the chamber to convey the contents of the tank directly to the chamber, a pipe for supplying air under pressure to the tank, a branch leading directly from said pipe to said chamber, and a blowpipe connected with said chamber for receiving therefrom the contents delivered to it by said two pipes.

1,461,378. ANTISKID DEVICE FOR VEHICLE WHEELS. ANDREW J. BORST, Jr., Buffalo, N. Y. Filed July 12, 1918. Serial No. 244,557. 11 Claims. (Cl. 152—2.)

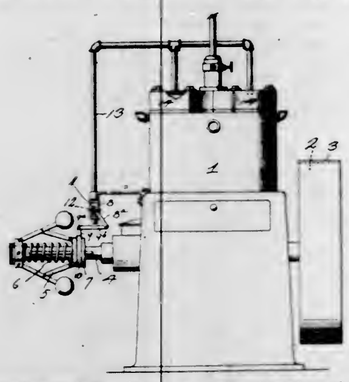


1. An anti-skid device for vehicle wheels, comprising a chain structure having tread chains, removable gripping elements secured to links of said tread chains, each gripping element comprising an elongated body portion and prongs passed through one of said links and curved around the opposite side bars thereof, and means embodied in the structure of said body portion to cause the calk to be easily removed from said link when worn to a certain extent.

1,461,379. AIR-PUMP PRESSURE-REGULATING DEVICE. HARRY BREWER, Sidney, Nebr. Filed Apr. 15, 1922. Serial No. 553,103. 2 Claims. (Cl. 230—24.)

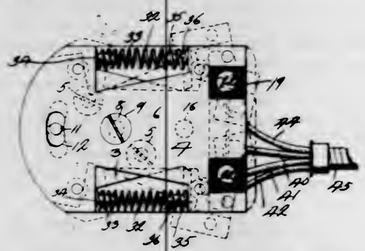
1. The combination with the cylinders of an air pump, said cylinders having a pipe connection with a relief valve which is open when the pump is not running and when the pump is moving slowly, a governor controlled collar, said governor controlled collar being slidably

mounted on the drive shaft of the pump, said relief valve being disposed adjacent said drive shaft, a lever connection between the governor controlled collar and the



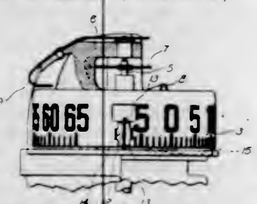
relief valve, and forming means whereby when the drive shaft rotates sufficiently to actuate the governor said relief valve will be closed.

1,461,380. PEDAL-CARRIED CIRCUIT MAKER AND BREAKER. CLAUDE F. COLE, Athens, Pa. Filed June 29, 1922. Serial No. 571,770. 3 Claims. (Cl. 200—59.)



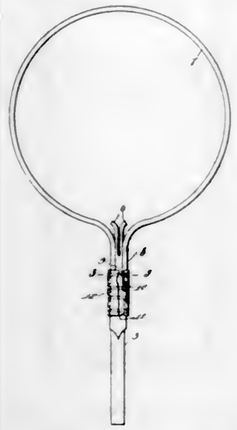
3. A pedal carried circuit maker and breaker said circuit maker and breaker comprising a stationary plate carried by the pedal, a loosely pivoted movable plate carried by the stationary plate, springs cooperating with the opposite sides of the pivoted plate for maintaining the same normally in registration with the stationary plate, means for limiting the pivotal action of the pivoted plate, means for normally forcing said plates apart at one end thereof, and contact members carried by the plates adjacent the ends which are forced apart.

1,461,381. DAMPING DEVICE FOR INSTRUMENTS. FARNUM F. DORSEY, Rochester, N. Y., assignor to North East Electric Company, Rochester, N. Y., a Corporation of New York. Filed Nov. 19, 1921. Serial No. 516,431. 4 Claims. (Cl. 264—13.)



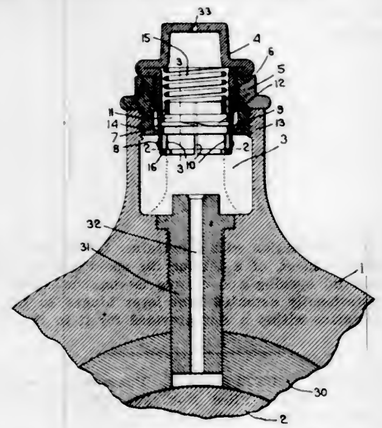
1. The combination, with the rotary indicator of a speedometer or the like, and a stationary surface adjacent thereto, of a damping device comprising a frictional drag connected with and moved by the indicator but sliding upon and supported by said stationary surface.

1,461,382. DISPATCH HOLDER. JOHN H. DOUB, Walnut, Kans. Filed Oct. 24, 1922. Serial No. 596,695. 3 Claims. (Cl. 258—3.)



1. A dispatch holder including a handle portion, integral resilient gripping fingers formed at one end of the handle portion, a hoop member having its arms secured to the handle portion, and said fingers having their outer ends curved outwardly.

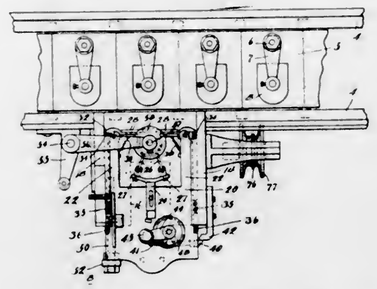
1,461,383. CAP FOR GREASE CUPS. WILLIAM H. DURANT, Somerville, Mass. Filed Oct. 3, 1921. Serial No. 504,838. 4 Claims. (Cl. 184—48.)



1. In a grease cup, the combination with a member having a grease-receiving chamber and a screw-threaded opening leading thereto and also an interior bead or rib beyond the screw thread, of a cap screw-threaded into said opening and having means to limit its inward screw-threaded movement, said cap having at its inner end an extension provided with an exterior bead, one of said beads being made expansible and contractible radially and said beads having such a position relative to each

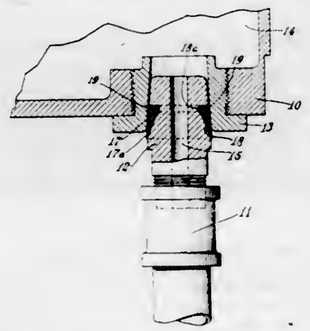
other and to the screw threads that they come into engagement and are forced past each other while the screw threads of the cap are in screw-threaded engagement with said member and just before the cap reaches the inward limit of its screw-threaded movement.

1,461,384. HEEL-BUILDING MACHINE. ARTHUR S. EVERETT, Lawrence, Mass., assignor to Page Machine Co., Inc., Haverhill, Mass., a Corporation of Massachusetts. Filed Jan. 27, 1917, Serial No. 144,883. Renewed Apr. 2, 1921. Serial No. 458,086. 18 Claims. (Cl. 12—50.)



1. In a heel-building machine, a heel press, a heel form reciprocally movable between a lift-assembling position and a position in which it delivers an assembled heel to said press and having a forming member movable to permit disengagement thereof from the heel as it is withdrawn from said press, means to lock said member in forming position while the form is in said lift-assembling position, and means to unlock said member when the form is moved from said position to permit disengagement of the form from the heel while held by said press.

1,461,385. FLUID-CONDUIT COUPLING DEVICE. ABRAM E. FALOR, Akron, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y., a Corporation of New York. Filed Apr. 1, 1920. Serial No. 370,547. 4 Claims. (Cl. 285—161.)



1. A fluid-conduit coupling member provided with a through fluid passage and having an externally conical portion adapted to interfit with a complemental coupling member, said portion being formed with an annular gasket-holding recess relatively shallow at its margin of greater circumference and relatively deeper at a portion of smaller circumference, and an annular soft gasket of tapered section occupying said recess.

1,461,386. BRAKE-LINING DRESSING. WILLIAM B. FALOR, Akron, Ohio. Filed Oct. 10, 1921. Serial No. 506,929. 4 Claims. (Cl. 134—13.)

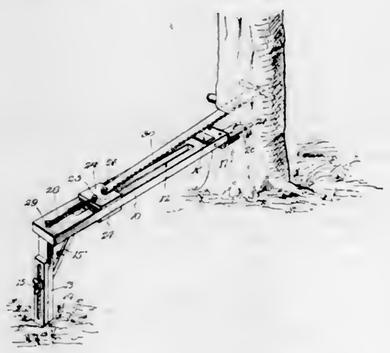
2. A dressing for brake lining and the like consisting of petroleum oil, resin and fuller's earth, substantially as described.

1,461,387. AUTOMATIC PISTOL AND OTHER SMALL ARM. JOHN WILLIAM FEARN, Birmingham, England. Filed Jan. 13, 1922. Serial No. 529,023. 2 Claims. (Cl. 42—70.)



1. A striker-locking safety comprising a rotatable element which is mounted in the part that carries the striker and is provided with a cam piece engaging a recess in the said striker: the arrangement being such that when the safety element is rotated from the "off" to the "on" position, it first projects the striker beyond the reach of the hammer and then positively locks the same against movement in either direction; the striker spring being compressed during the projection so that it operates to automatically restore the striker to its normal position when the safety is taken off.

1,461,388. DRAG-SAW. FRANK FOX, Chesaw, Wash. Filed Aug. 24, 1921. Serial No. 495,016. 2 Claims. (Cl. 143—163.)



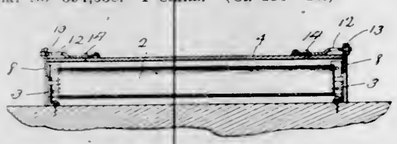
1. In a drag saw, the combination of a body bar, a head mounted upon one end thereof and provided with an arcuate slot, an anchoring plate pivotally connected to the head for adjustment laterally with respect to the bar, means carried by the plate to extend through said slot securing the plate in adjusted position, and a saw blade carried by the bar for movement longitudinally thereof.

1,461,389. AIR-DISPENSING DEVICE. CLAUD B. FRY, Yates Center, Kans. Filed Mar. 8, 1922. Serial No. 542,197. 6 Claims. (Cl. 221—73.5.)



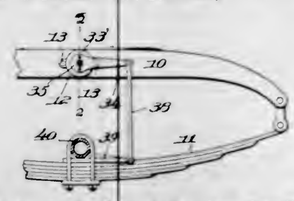
1. An air dispensing device, said device comprising a dome, upper and lower chambers in said dome, a diaphragm interposed between the chambers, means for supplying air pressure to one of said chambers at a predetermined pressure, means whereby air will be supplied to the other chamber at an equal pressure, said means being controlled by the diaphragm.

1,461,390. WINDOW-SHADE CONTAINER. GEORGE W. GRIGG, Portland, Oreg. Filed July 8, 1920. Serial No. 394,638. 1 Claim. (Cl. 156—23.)



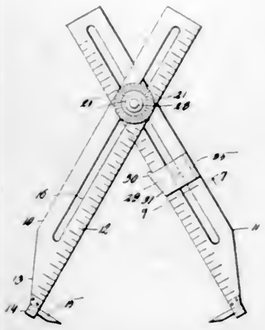
A shade casing comprising an elongated rectangular shaped casing adapted to be disposed over a shade, the front side of said casing being removable, the ends of the casing extending beyond the front side thereof and provided with notches, said front side of the casing having threaded bolts longitudinally adjustable thereon adjacent its ends, said bolts being received in said notches and nuts threaded on said threaded bolts and engaging the outer faces of the ends of said casing, the upper and lower sides of the casing being also removable, thereby allowing access to the curtain from above or below the casing.

1,461,391. SHOCK ABSORBER. AUGUSTUS E. GUERTIN, Belmont, Mass. Filed Apr. 18, 1922. Serial No. 554,838. 3 Claims. (Cl. 188—89.)



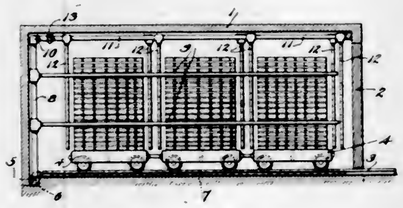
1. In a shock absorber of the class described, a stationary receptacle having a stud fast therewith; a revoluble member, the main body of which is enclosed in said receptacle, said member having an internally threaded bore; a travelling partition slidably mounted on said stud in said bore, having threads on the periphery thereof adapted to engage said internally threaded bore; a chamber on each side of said partition; a by pass in said stud adapted to communicate with said chambers; means to fill said chambers; a lever fast with said revoluble member; a link pivoted to said lever at one of its ends; and an anchor member to which the other end of said link is pivoted.

1,461,392. COMBINATION TOOL. OLE INGSTEAD, Lowell, Mass. Filed Nov. 4, 1921. Serial No. 512,881. 2 Claims. (Cl. 33—102.)



1. A combination tool comprising a pair of pivoted arms each being provided with a longitudinally extending slot, articulator means extending through the slots for pivotally connecting the arms, a slide associated with one arm and including a pair of plates each having a rib mounted in the slot of its respective arm, a set screw for associating the plates with the arm, and each plate being equipped with a right angular extension which is disposed flush with a longitudinal edge of the arm with which it is associated.

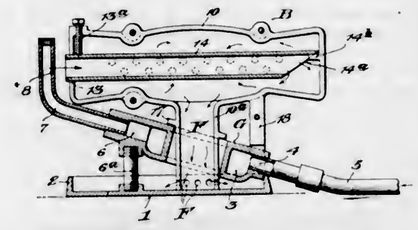
1,461,393. APPARATUS FOR DRYING LUMBER. RICHARD F. JENKINSON, Tuscaloosa, Ala., assignor of one-half to James S. Free, Tuscaloosa, Ala. Filed Oct. 16, 1922. Serial No. 594,799. 3 Claims. (Cl. 34—19.)



1. A drying kiln, comprising a drying room, heating means arranged in the room in position to direct its heating medium substantially upon all sides of the lumber, said means including nozzle pipes, certain of said pipes being free to swing laterally to facilitate introduction into and removal of lumber from the room.

1,461,394. GASEOUS-FUEL BURNER. BONIFACE R. KLOEB and JOSEPH A. KLOEB, Hoboken, N. J. Filed Aug. 14, 1922. Serial No. 581,810. 5 Claims. (Cl. 158—61.)

1. A gaseous fuel-burning device including a hollow burner having a depending flue portion, a superheater tube arranged within the hollow burner, a hollow ring-like generator surrounding said depending flue, a vapor-



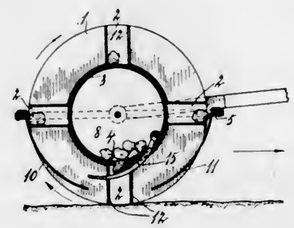
ized fuel feed pipe communicating with the generator and having a jet orifice disposed in discharging relation to one end of the superheater tube.

1,461,395. COMBINED READING GUIDE, PAPER CUTTER, AND BOOK MARK. OTTO J. KRAEMER, Portland, Oreg. Filed Nov. 8, 1921. Serial No. 513,856. 2 Claims. (Cl. 120—1.)



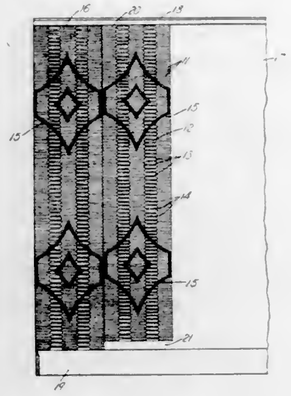
1. In a device of the kind specified, the combination with a handle, of a straight-edge in the same plane with the handle and disposed substantially at right angles to the longitudinal axis of the handle, and a member projecting from the surface of the handle, substantially at right angles thereto, to constitute a thumb-piece or stop.

1,461,396. POTATO-PLANTING MACHINE. HAAKON SIGVART LARSEN, Christiania, Norway. Filed June 5, 1922. Serial No. 566,044. 3 Claims. (Cl. 221—135.)



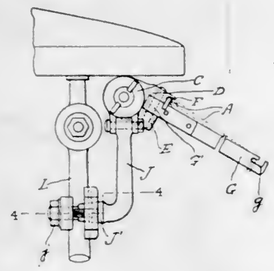
1. In a potato planting machine a rotating wheel, a stationary cylindrical receptacle for potatoes mounted co-axially within the said wheel, radial potato feeding channels in the said wheel, an outlet opening for potatoes in the bottom of the receptacle, said radial channels registering successively with said outlet opening during the rotation of the wheel, so as to receive potatoes from the receptacle.

1,461,397. WALL PAPER. WILLIAM A. LORENZ, Hartford, Conn., assignor to The Otaka Fabric Company, Hartford, Conn., a Corporation of Connecticut. Filed Jan. 4, 1921. Serial No. 434,940. 3 Claims. (Cl. 92—69.)



1. A longitudinally stretchable wall paper having designs printed thereon and capable of being stretched to cause the designs on one strip to match those on an adjoining strip, said paper being transversely crinkled or corrugated to permit the necessary stretching.

1,461,398. WINDSHIELD VISOR. JOSEPH B. MCMULLEN, Catonsville, Md., assignor to Acme Motor Shield Corporation, Baltimore, Md., a Corporation of Delaware. Filed Feb. 7, 1921. Serial No. 442,906. 13 Claims. (Cl. 296—95.)



13. A windshield visor and supporting means therefor comprising, in combination, a visor, supporting arms attached to the ends of said visor in fixed relation to the length thereof, clamping means adapted to be secured upon the supports of a windshield and supporting each arm, the means for attaching the visor to the arms and the mounting of the arms upon the clamping means being such that the latter may be secured upon windshield supports of varying spacing.

1,461,399. COMBINATION BILLING SYSTEM. ROY V. NEWSHAM, Oakland, Calif. Filed June 29, 1922. Serial No. 571,594. 1 Claim. (Cl. 282—27.)

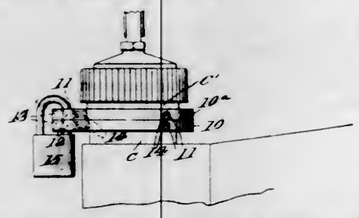
A combination bill system comprising in combination, a bill sheet adapted to be folded and written upon to leave an original and two carbon copies of a business

transaction, the original and carbon copies adapted to be detached after the transaction has been written, to serve as complete and separate records of the business transaction as written, one of the carbon copies including a col-



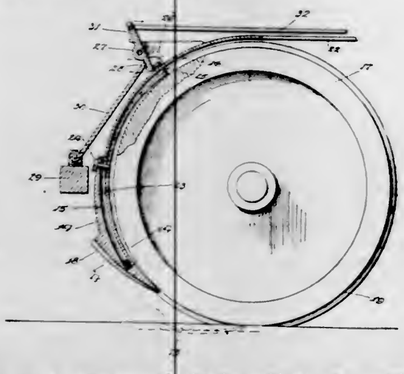
lection diary for reference purposes embodying numbers printed in numerical order along the edge of the sheet and corresponding to the days in a calendar month, and also lined spaced to serve as a bookkeeping reference.

1,461,400. LOCKING DEVICE. JOSEPH L. OCHELTREE, Jr., Norfolk, Va. Filed Aug. 26, 1921. Serial No 495,451. 8 Claims. (Cl. 70—90.)



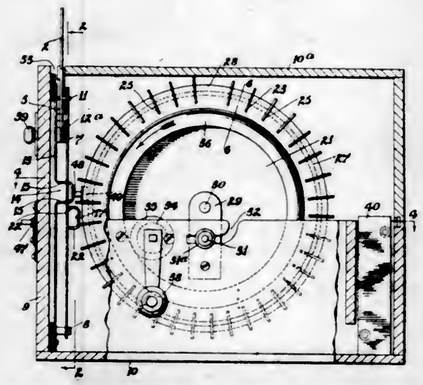
5. A locking device of the character described comprising two complemental collars provided with diametrically disposed holes, recesses intersecting the outer ends of said holes, set screws working in said holes, cover pieces removably secured in said recesses, and means for locking the collars against relative rotation.

1,461,401. EMERGENCY BRAKE. JAMES W. ORR, Kansas City, Mo. Filed Oct. 20, 1921. Serial No. 508,918. 3 Claims. (Cl. 188—35.)



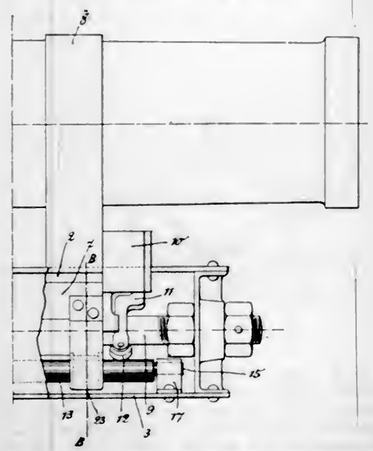
1. In an emergency brake for vehicles, the combination with a truck having wheels; of a wedge-shaped skid having an upward extension provided with a pocket, a guide member rigidly attached at one end of said truck, the free end of said member engaging in said pocket and being adapted to permit a limited movement of said skid thereon, an abutment at the end of said extension, a strut having hinged connection with said truck, a dog journaled on said guide member and adapted to form a lock between said abutment and the free end of said strut and means for releasing the skid.

1,461,402. SIGNALING APPARATUS. ROBERT CHARLES PESSELL, Bath, England. Filed Apr. 11, 1922. Serial No. 551,558. 6 Claims. (Cl. 116—18.)



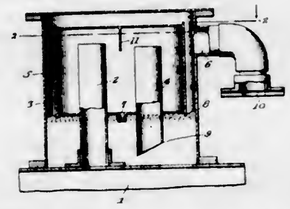
2. Signaling apparatus comprising a signaling unit, a movable member provided with slots, and a plurality of contact devices carried by said movable member and arranged to successively engage with and operate said signaling unit when the member is moved, said contact devices consisting of plates shiftably seated in said slots, and a single means associated with said movable member to hold all of said plates seated in the slots thereof.

1,461,403. REGULATING DEVICE FOR THE FLOW OF LIQUID IN ARTILLERY BRAKES. EMILE RIMAILHO, Paris, France. Filed Feb. 3, 1922. Serial No. 533,948. 4 Claims. (Cl. 89—43.)



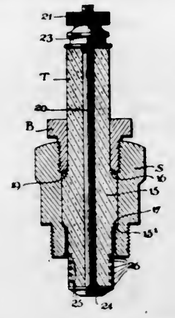
4. In an artillery brake of the hydraulic type, a regulating device for the flow of liquid comprising a regulating element for the flow, a revoluble cam adapted to be mounted on the cradle of the piece of artillery and acting upon the said regulating element, the said cam having the same length as the recoil stroke of the cannon, a bevel gear mounted on the axle of the said cam, a toothed quadrant secured to the carriage of the piece of artillery, and gear wheels connecting the said quadrant with the said bevel gear, the said quadrant having a non-toothed portion whereby the same shall be prevented from acting except after a stated value of the aiming angle is reached, the non-toothed portion having a greater radius than that of the bottom of the teeth.

1,461,404. AUTOMATIC VALVE. PEDRO ROTH, Buenos Aires, Argentina. Filed July 15, 1922. Serial No. 575,389. 1 Claim. (Cl. 137—53.)



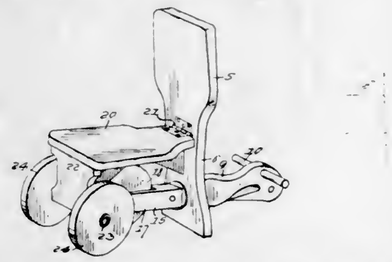
An automatic hydraulic valve for tanks and the like containing liquids of easy evaporation such as crude oils, naphtha, alcohols and the like, consisting of a tube communicating at its lower end with a storage tank and having its upper end enclosed within a chamber, and a second tube which effects communication of said chamber with a second outer chamber which has an opening to the atmosphere and is adapted to contain a liquid up to at least the level of the lower opening of the said second tube, the bottom of the first named chamber having an opening of reduced cross sectional area communicating with the second named chamber, substantially as described.

1,461,405. SPARK PLUG. JOSEPH SIMON SOLOMON, Evansville, Ind. Filed Dec. 16, 1920. Serial No. 431,134. 2 Claims. (Cl. 123—169.)



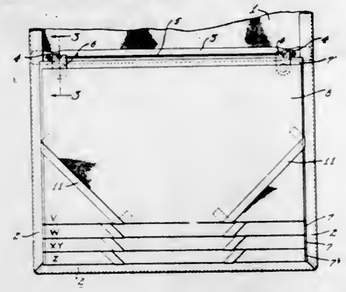
1. A spark plug comprising a metallic sleeve, having an annular shoulder extending inwardly from the inner wall thereof at an appreciable distance from the lower end, a tube of insulating material embraced by the portion of the sleeve located above the said shoulder and having the lower portion thereof spaced from the confronting portion of the inner wall of the metallic sleeve in such manner as to provide an annular air gap extending for an appreciable distance from the lower end of the metallic sleeve, said tube being of sufficient length to depend below the lower end of the sleeve, a stem extending through the tube, means at the upper end of the stem for sustaining the stem within the tube, a main electrode secured to the lower end of the stem, and a plurality of auxiliary electrodes seated within the periphery of the depending end of the tube, the auxiliary electrodes being spaced apart from one another and from the main electrodes by integral portions of the insulating tube, with the uppermost auxiliary electrode arranged in spaced relation to the lower end of said sleeve to provide a spark gap and with the peripheral face of each auxiliary electrode flush with the peripheral faces of the adjacent portions of the insulating tube.

1,461,406. COMBINED COASTER AND CHAIR. TILDEN J. STONE, Lenoir, N. C. Filed Oct. 2, 1922. Serial No. 591,934. 4 Claims. (Cl. 208—165.)



1. In a combined coaster and chair, a rigid member including a coaster seat, a wheel supported element connected to the member, means for guiding the wheel, a chair seat, means for hingedly connecting the chair seat to the under side of the said member, and a wheel supported member connected to the said seat.

1,461,407. CARD INDEX. SILAS EDGAR TROUT, Philadelphia, Pa. Filed July 27, 1922. Serial No. 577,882. 1 Claim. (Cl. 129—16.)

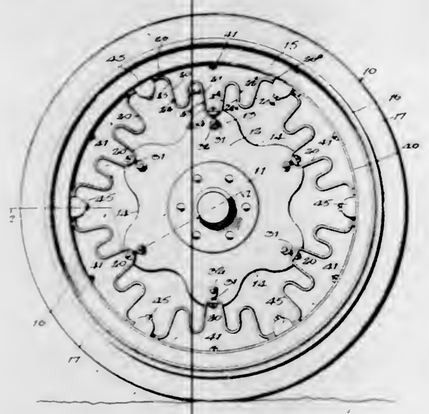


A card index comprising a carrying frame having flanged portions constituting a bearing and support for card-carrying strips; a strip having ends adapted to be disposed under the flanged portions of the frame; bales disposed on said strip and constituting bearings for a card-carrying member; a card-carrying member mounted on said balls, said member having portions extending in spaced relation to the body thereof; a card-carrying clip adapted to pivotally bear on a portion of the card-carrying member; and a card-carrying support adapted to be attached to the clip.

1,461,408. SPRING WHEEL. GEORGE WILBER WATTS, Hot Springs, Ark. Filed Nov. 9, 1922. Serial No. 599,914. 4 Claims. (Cl. 152—28.)

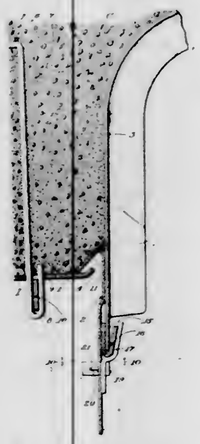
1. In a spring wheel, a hub, a body portion secured thereto, a felly, a ring carrier, means for securing the

ring carrier to the felly, a plurality of springs interposed between the ring carrier and the felly, each of said springs including a main U-shaped member, and a small U-shaped member arranged at each side of the main U-shaped member, the legs of the main U-shaped member being connected with one leg of each small U-shaped member, the other legs of the small U-shaped



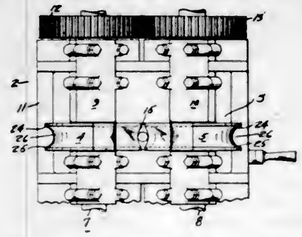
members being extended and being curved to constitute attaching ends and being disposed flush against the ring carrier, means for fastening the curved body portion of each main U-shaped member to the body portion of the wheel, and a common means for securing the adjacent attaching ends of the springs to the ring carrier.

1,461,409. STEEL FORM FOR CONCRETE CONSTRUCTION. HERBERT E. WHITE, Youngstown, Ohio, assignor to Truscon Steel Company, Youngstown, Ohio, a Corporation of Michigan. Filed Aug. 15, 1921. Serial No. 492,268. 8 Claims. (Cl. 25—131.5.)



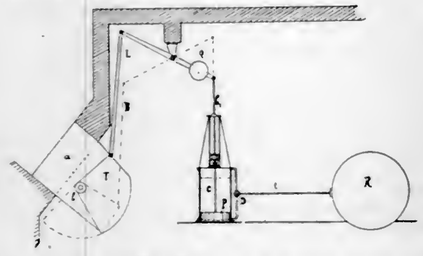
4. Forms for concrete construction including a base plate adapted to be supported below the beam, a hanger member having adjustable suspension upon an edge portion of the base plate, and a form supported by said hanger.

1,461,410. NUT-SHELLING MACHINE. JAMES H. ALDRICH, Oakland, Calif. Filed Sept. 20, 1921. Serial No. 501,994. 13 Claims. (Cl. 146—3.)



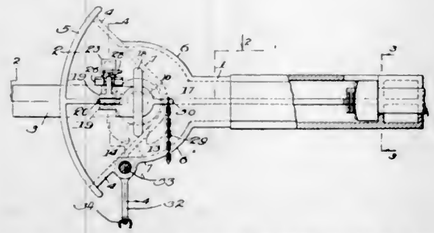
1. A nut shelling machine comprising a stationary member upon which a nut is adapted to be supported on an end, and means exerting a gradually increasing pressure against substantially opposed points at the middle portion of the sides of the nut.

1,461,411. TRAPDOOR FOR STORAGE AND DELIVERY APPARATUS. LOUIS CHARLIER, Jemeppe-sur-Meuse, Belgium. Filed June 27, 1921. Serial No. 480,879. 2 Claims. (Cl. 221—144.)



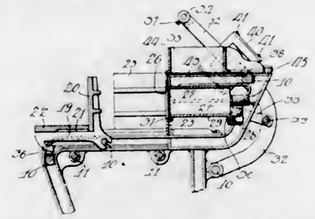
1. A closure device comprising, a pivoted closure hood, a counterweight normally biasing the hood to closed position, a motor for moving the hood to open position, and a beam carrying said counterweight and operatively connecting the hood and the motor.

1,461,412. TRAILER COUPLING. CHARLES G. CLEMENT, Edgerton, Wis., assignor to Highway Trailer Company, Edgerton, Wis., a Corporation of Wisconsin. Filed Oct. 22, 1919. Serial No. 332,363. 3 Claims. (Cl. 280—33.15.)



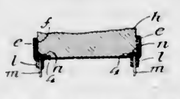
1. The combination of a draft member having a transverse bore; a coupling head having spaced walls to receive said draft member with apertures positioned to register with said bore and a coupling pin adapted to occupy said apertures and the bore of the draft member, said coupling head having an apertured rib exteriorly formed adjacent the aperture of one wall, the coupling pin having a pair of ribs positioned to extend at opposite sides of said rib on the head, all three ribs having apertures arranged to register when the coupling pin is in operative position, and a spring-pressed plunger carried by the coupling pin in position to penetrate said registered apertures for removably locking the pin in position.

1,461,413. CONCRETE-BLOCK MACHINE. ROBERT S. COHOON, Orlando, Fla., assignor to Southern Cement Machine Company, Orlando, Fla., a Corporation of Florida. Filed Mar. 18, 1922. Serial No. 544,711. 7 Claims. (Cl. 25—41.)



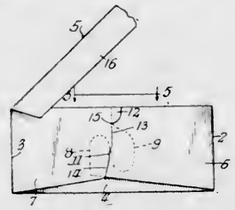
1. A concrete block machine comprising a mold having movable sides; cams on said sides; and adjustable cams adapted to engage the first-mentioned cams for locking the movable block sides against spreading.

1,461,414. MACHINE FOR MAKING BOXES. ARTHUR V. COSTER, London, England, assignor to The Diamond Match Company, Chicago, Ill., a Corporation of Illinois. Filed June 17, 1922. Serial No. 568,898. 7 Claims. (Cl. 93—47.)



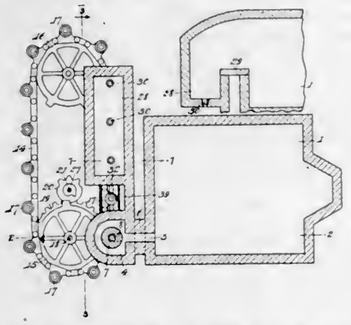
1. In a machine for making box trays from blanks, each blank comprising a bottom portion having end and side extensions and corner pieces, the combination with means for folding a blank into tray form with the corner pieces within the folds of the adjacent extensions, of means for punching inwardly projecting tongues from the blank in position to fasten the folded extensions against the corner pieces.

1,461,415. CARTON. FRANK B. DAVIDSON, Marseilles, Ill., assignor to National Biscuit Company, New York, N. Y., a Corporation of New Jersey. Filed Jan. 28, 1922. Serial No. 532,509. 8 Claims. (Cl. 229—35.)



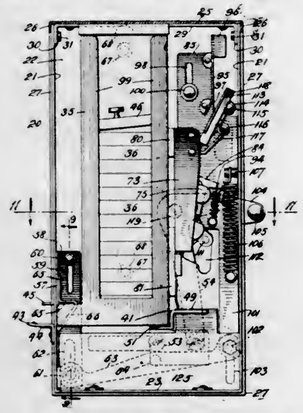
1. A carton having a bottom wall, and upright front, rear, and side walls foldably connected with said bottom wall, two opposite of said upright walls having end flaps overlapping the other of said upright walls on the outside thereof, said flaps having their ends meeting and terminating short of the upright walls toward which they extend, said flaps having means at their meeting ends for interlocking the flaps together and holding all portions of the flaps along their meeting ends, including their upper and lower edges, in the plane of said flaps, said locking means being engaged and disengaged without bending said flaps by moving the flaps relatively to each other in the plane of the same.

1,461,416. APPARATUS FOR THE MANUFACTURE OF GLASSWARE. PHILLIP EBELING, Bellaire, Ohio. Filed Sept. 9, 1921. Serial No. 499,484. 21 Claims. (Cl. 49—1.)



10. The combination with a glass melting tank, of an intermittently actuated carrier, molds borne by said carrier, automatic means for flowing glass from said tank, shearing mechanism arranged to sever charges from the flow for deposit in the molds, means cooperating with said molds for pressing said charges into ware form, valves in the bottoms of said molds, means whereby said valves are raised for elevating the ware within the molds, and means for reheating the ware while the latter occupies elevated position, said reheating means embodying openings through which heat from the tank is directed upon the ware.

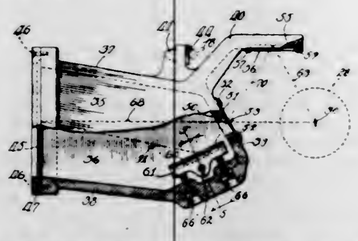
1,461,417. COIN-CONTROLLED VENDING MACHINE. HARVEY GILES, Brooklyn, N. Y. Filed Mar. 20, 1920. Serial No. 367,534. 4 Claims. (Cl. 211—8.)



1. In a coin-controlled vending machine, an exterior casing having a coin-entrance-slot and a discharge opening for sold merchandise, and a vertical tray mounted within said casing adapted to hold a stack of pieces of merchandise and permit the discharge of said pieces one at a time in a lateral direction from the lower end of said tray into said opening, in combination, a horizontally slidable goods ejector at the lower end of said tray and

adapted to be slid against the lower piece of merchandise therein and move the same into said opening, a vertically slidable shutter normally closing said opening, an exposed operating handle capable of movement on the introduction of a coin into the machine, means including a sliding plate intermediate said handle and said shutter for operating therefrom said shutter, means intermediate said plate and said goods ejector for actuating therefrom said ejector, a spring for automatically restoring said ejector, shutter and handle to their respective normal positions, and a supplemental spring secured at one end to said plate and at its other end to said ejector operating means at a part thereof having a free bearing against said plate and normally acting under its initial tension to ensure the movement of said ejector operating means with said plate, said spring being adapted on a given resistance to the movement of the ejector and the continuance in movement of said plate to become extended and on the opening of said shutter to expend its stored up force against the said ejector whereby to exert a sudden impetus against the piece of merchandise then in process of being discharged.

1,461,418. FOCUSING FINDER FOR LANTERNS. CLINTON O. HARRINGTON, Chicago, Ill., assignor to Aldo bilt Company, Chicago, Ill., a Corporation of Illinois Filed June 2, 1921. Serial No. 474,543. 10 Claims. (Cl. 88—14.)



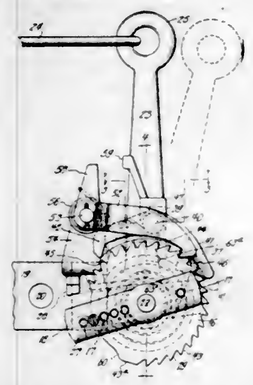
1. In a finder of the character described adapted to be positioned closely adjacent to a source of light to indicate relative positions of such source, the combination of a relatively small chart having markings associated therewith adapted to indicate relative locations of relatively small light spots thereon, and means for projecting upon the chart two relatively small shafts of light from a given relatively small source, with said shafts issuing from such source with a materially large angle between them, for defining two relatively small spots of light on the chart for indicating a relative position of the source of light.

1,461,419. TYPEWRITING MACHINE. JOSEPH B. HOLDEN, Syracuse, N. Y., assignor to Remington Typewriter Company, Ilion, N. Y., a Corporation of New York. Filed Sept. 14, 1922. Serial No. 588,141. 11 Claims. (Cl. 197—161.)



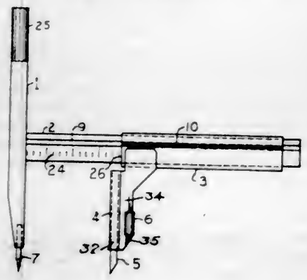
1. In a ribbon reversing mechanism for typewriting and like machines, the combination of a longitudinally shiftable ribbon reversing shaft and detent mechanism therefor comprising a circumferential cam on said shaft, sliding detents arranged on opposite sides of said shaft and co-operative with said cam, and a yoke shaped floating spring coacting at its ends with said detents and forcing them towards each other and towards the axis of said shaft.

1,461,420. ADJUSTING MECHANISM ADAPTED FOR LINE CONTROL. LUDWIG HOLLAND-LETZ, Oak Park, Ill. Filed Jan. 29, 1921. Serial No. 440,835. 17 Claims. (Cl. 74—54.)



11. In a tractor, the combination with an engine, of a throttle valve controlling the speed thereof, a reciprocating element connected to said valve, a flexible member, and connections between said flexible member and reciprocating element whereby by repeatedly pulling the flexible member the throttle valve may be opened and closed to any desired extent.

1,461,421. DRAWING INSTRUMENT. GEORGE J. HOOD, Lawrence, Kans. Filed Jan. 30, 1919. Serial No. 274,057. 15 Claims. (Cl. 33—27.)

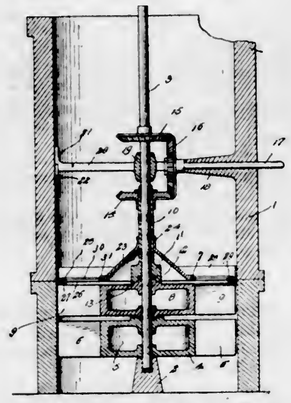


1. A drafting compass comprising a post having a pointed end and a body portion adapted to be grasped by the hand for rotating the same, a beam attached medially to said post at right angles thereto, an extended slide resiliently clamping against the sides of said beam, but freely slidable and laterally immovable thereon, and a marking instrument on said slide.

1,461,422. WATER TURBINE. THOMAS J. JOLLY and WILLIAM F. FITZPATRICK, Ulysses, Nebr. Filed May 2, 1922. Serial No. 557,893. 1 Claim. (Cl. 253—16.5.)

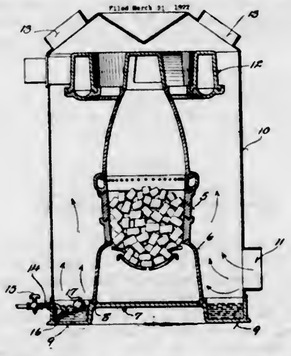
In a water turbine, a vertical casing having the upper end formed to provide a water inlet and the lower end formed to provide a water outlet, a vertical shaft in said casing at the center thereof, a water wheel fixed upon said shaft adjacent to the lower extremity thereof and comprising a hub and blades radiating from the hub and pitched in a direction to rotate the wheel in one direction, a second water wheel loosely mounted upon said shaft above the first named water wheel and

comprising a hub and blades radiating from the hub and pitched in a direction reverse to the direction of the blades of the first water wheel, whereby the second named water wheel may be rotated in a direction opposite to that of the first named water wheel, a sleeve loosely surrounding said shaft, a connection between the lower end of said sleeve and the second mentioned water wheel, a power shaft, driving connections between said power shaft and the first mentioned shaft and said sleeve, a valve mechanism for regulating and controlling the flow of water to said water wheels, said valve mechanism comprising a stationary plate formed with radial slots and a movable plate mounted upon said stationary plate and formed with radial slots adapted to be moved



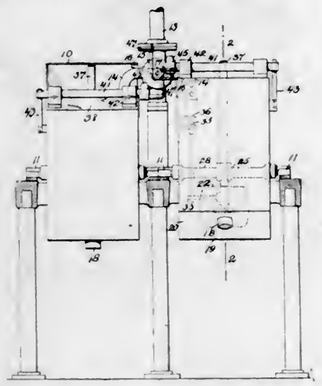
into and out of registration with the slots in said stationary plate including a rack on the upper surface of the latter and a horizontal operating shaft extending through the casing and having a pinion on its inner end meshing with said rack, mechanism for adjusting said movable plate, a flanged ring secured to the inner surface of said casing and acting to support the outer margin of said stationary plate; and a cone-shaped member integral with the central portion of said stationary plate and surrounding said first mentioned shaft and formed with a peripheral groove at the lower larger end thereof to receive the inner edge of said movable plate.

1,461,423. HUMIDIFIER FOR HOT-AIR FURNACES. RICHARD E. KELM, Milwaukee, Wis. Filed Mar. 21, 1922. Serial No. 545,406. 2 Claims. (Cl. 126—113.)



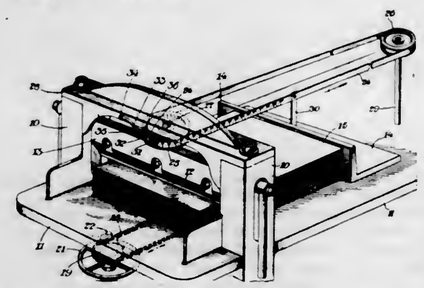
2. The combination of a trough containing water, a cylindrical housing carried by the outer wall of the trough, a fire pot, an ash pit, a bottom for said ash pit carried by the upper part of the inner wall of said trough, said bottom having dead air space below to prevent the absorption of heat beneath said ash pit.

1,461,424. LIQUID-MEASURING MACHINE. WENZEL W. LEINERT, New York, N. Y. Filed Nov. 12, 1921. Serial No. 514,637. 4 Claims. (Cl. 249—1.)



1. A liquid measuring machine comprising a tilting tank having an outlet therein, a valve to close the outlet, a float to raise the valve, means for holding the float submerged, and a tripping device operated by the tilting of the tank to release the holding means.

1,461,425. PAPER-CUTTING MACHINE. EDWARD R. LINEBAUGH, Barberton, Ohio, assignor to The Diamond Match Company, Chicago, Ill., a Corporation of Illinois. Filed June 15, 1921. Serial No. 477,618. 3 Claims. (Cl. 164—59.)

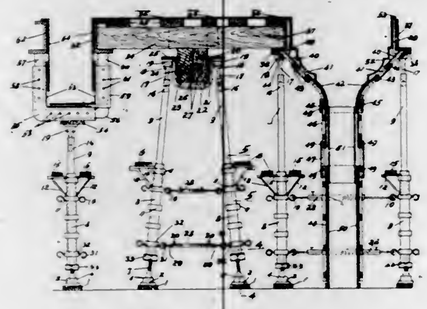


1. In a paper cutting machine having a knife, an adjustable back gage, means for adjusting said gage in relation to the knife, and a graduated measuring tape movable concurrently with said gage, two index members supported independently of and arranged in close relation to the tape so as to overlie the advancing graduations of the tape, and means whereby adjustment of said members in spaced parallel relation to each other can be effected.

1,461,426. APPARATUS FOR BUILDING CONSTRUCTION. MARYAN L. LISOWSKI, Cranford, N. J. Filed Sept. 8, 1919. Serial No. 322,453. 5 Claims. (Cl. 25—131.5.)

5. Apparatus for use in constructing frame-work for cement buildings comprising a plurality of telescopic stanchions; means for adjusting the sections of the

stanchions relatively to vary the length of the latter; means at the bottom of the stanchions for supporting and holding the same from slipping; means at the top of the stanchions for connecting the same in pairs, said means including a U-shaped support made up of a plurality of sections and means for adjusting the sections



relatively to vary the distance between the tops of the stanchions; bracing means rigidly connecting the stanchions between their ends; and means for adjusting the length of the bracing means correspondingly with the width of the top connecting means.

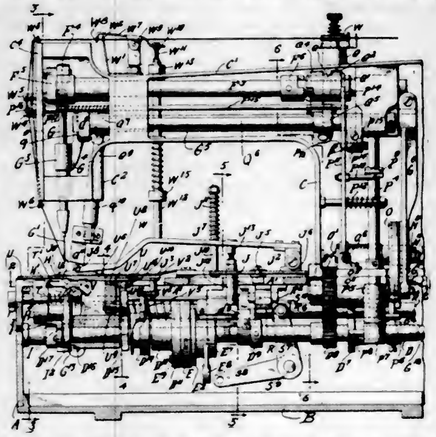
1,461,427. SNAP-FASTENER CLAMP FOR SEWING MACHINES. MICHAEL MCCANN, Glenmorris, N. Y., assignor to Frederick Osann Company, New York, N. Y., a Corporation of New York. Filed July 15, 1919. Serial No. 311,006. 2 Claims. (Cl. 112—114.)



2. In a sewing machine a clamp holding lever having a clamping finger at its end, in combination with a positioning finger secured on the lower side of the clamping finger formed with a slotted end having shoulders to position a fastener and inwardly extending ledges to support its edges, said fingers being pressed toward each other by resilient means, resilient means pressing the clamp holding lever toward the cloth, means for elevating said lever and the fingers carried by it at will, and means actuated by the raising of said lever to press apart the fingers.

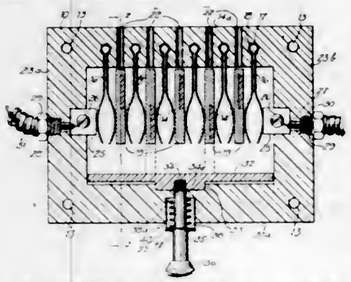
1,461,428. SEWING MACHINE. MICHAEL MCCANN, Glenmorris, N. Y., assignor to Frederick Osann Company, New York, N. Y., a Corporation of New York. Filed Sept. 23, 1919. Serial No. 325,710. 17 Claims. (Cl. 112—73.)

1. In a sewing machine having a laterally movable needle bar and coacting stitch forming mechanism, the combination therewith of cam controlled mechanism for regulating the lateral movements of the stitch-forming mechanism so that it will in connection with the cloth feeding mechanism periodically form stitches in an intermediate straight line and in zig zag lines, a cloth clamp and cam controlled mechanism for moving said cloth clamp in one direction while the stitch forming



devices are in position to form a straight line of stitches and in reverse direction while the stitch forming devices are in position to form zig zag stitches.

1,461,429. ELECTRIC COMBINATION SWITCH FOR AUTOMOBILES. WILLIAM B. MARKS, Waterbury, Conn. Filed Jan. 18, 1922. Serial No. 530,158. 21 Claims. (Cl. 200—43.)



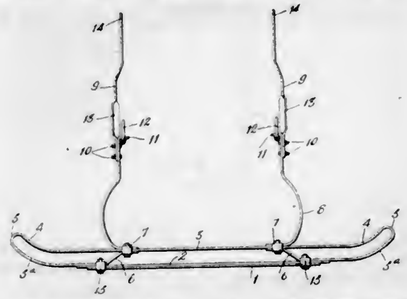
1. In a combination electric switch, a casing, a pair of terminals in said casing, a series of conductive springs between said terminals, and a series of reversible plungers loosely carried in said casing between said springs for electrically connecting said springs to each other and to the terminals for closing the circuit through said switch, said springs serving to guide said plungers.

1,461,430. SINGLETREE. JAMES W. MONTGOMERY, Thomasville, Ga. Filed June 7, 1922. Serial No. 566,520. 1 Claim. (Cl. 278—115.)



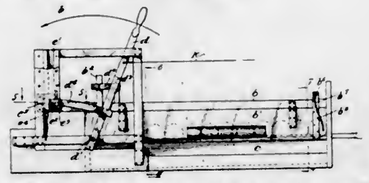
A single-tree formed of a bent metal plate having trace hooks mounted at its ends and having at its center a swivel lug mounted rigidly in the bend of the plate, a horizontal swivel pin mounted to turn in the front end of said lug, the forward end of said pin being flattened and provided with an eye, a pair of lapper hooks having their ends flattened in a plane at right angles to the plane of the hook and perforated, and a pivot bolt connecting said hook ends to the end of the swivel pin.

1,461,431. AUTOMOBILE BUMPER. WILLIAM T. MORAIS, Brooklyn, N. Y., assignor to American Chain Company, Inc., a Corporation of New York. Filed Nov. 4, 1922. Serial No. 598,978. 3 Claims. (Cl. 293—55.)



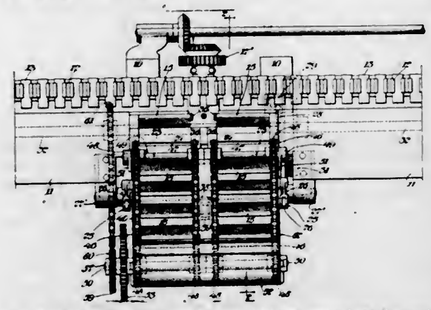
1. A bumper for automobiles comprising two central impact receiving members one extending above and the other below the medial plane of the bumper, and a rear bar curved slightly rearwardly at both ends and then reversely curved to continue parallel with itself, the two ends then continuing diagonally to meet the said rear bar, and means for clamping the several parts together.

1,461,432. GAME APPARATUS. CHRIST PAPOUCHIS, Far Rockaway, N. Y. Filed May 7, 1921. Serial No. 467,756. 4 Claims. (Cl. 235—98.)



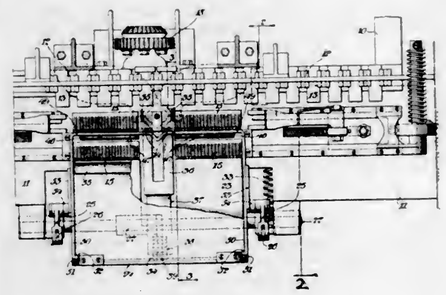
1. The combination of an indicating device comprising a carrying reel and a plurality of number plates mounted thereon, a drum mounted on the same axis as the carrying reel but independently thereof and having a pawl for engagement with the reel, means to rotate the drum in a forward direction to rotate the reel to its initial position and means to rotate the drum reversely to its initial position.

1,461,433. MACHINE FOR MAKING MATCH BOOKS. MICHAEL PARIDON, Barberton, Ohio, assignor to The Diamond Match Company, Chicago, Ill., a Corporation of Illinois. Filed Jan. 9, 1922. Serial No. 527,855. 6 Claims. (Cl. 93—2.)



1. In a book-match machine having match-strip cutting mechanism, a plunger, means for reciprocating said plunger to position match-strips in the cutting path, and a table from which match strips are delivered to the plunger, the combination with said table and plunger, of strip-feeding mechanism comprising an element whereby match-strips are deposited in an orderly manner on said table and then fed successively therefrom to and upon the plunger, and means for actuating said element in cooperative relation to the plunger.

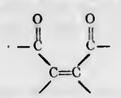
1,461,434. MACHINE FOR MAKING MATCH BOOKS. MICHAEL PARIDON, Barberton, Ohio, assignor to The Diamond Match Company, Chicago, Ill., a Corporation of Illinois. Filed Feb. 27, 1922. Serial No. 539,560. 5 Claims. (Cl. 93—2.)



1. In a book-match machine, the combination with a support for a pile of match strips, a strip cutting mechanism, a plunger, and means for reciprocating said plunger to eject the lowermost strip or strips from the pile and position such strip or strips in the cutting path, of a strip barrier movable into and from the path of the plunger, said barrier being located above the support and forwardly of the cutting mechanism, and means for raising said barrier at predetermined intervals to provide a throat for the passage of the strip or strips to the cutting path.

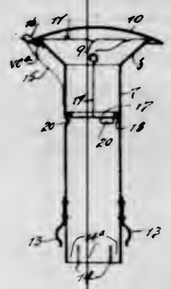
1,461,435. INDIGOIDIC DYESTUFFS AND PROCESS OF MAKING SAME. HERMANN STAUDINGER, Zurich, HANS VERAGUTH and RICHARD TOBLER, Basel, Switzerland, assignors to Society of Chemical Industry in Basle, Basel, Switzerland. Filed Nov. 11, 1922. Serial No. 600,405. 16 Claims. (Cl. 260—48.)

16. As new products, the hereinbefore described vat dyestuffs from beta-thionaphthisatine and a complex composed of a heterocyclic five atom annulus as carrier of a methylene group capable of reacting and condensated with an aromatic radical which may carry still further substituents, which constitute dark powders soluble in sulfuric acid of 98 per cent with brown-violet to blue-green coloration, dyeing wool and cotton in the hydrosulfite vat liquor of fast red to brown tints and having a constitution characterized by the following atom grouping with two symmetrical members



the first member of which is coupled to the 1-position and to the sulfur atom of the beta-thionaphthol radical, whilst the second member belongs to a heterocyclic five atom annulus, condensated with an aromatic radical, which may carry still further substituents, said dyestuffs being in the form of halogen compounds.

1,461,436. OIL CAP. FREDIE ARRIGONI, New York, N. Y. Filed July 12, 1922. Serial No. 574,487. 1 Claim. (Cl. 220—86.)



In an oil cap, an elongated tube, an outwardly flared flange carried thereby at one end thereof, a spring resisted cover for said tube at the flared end thereof, spring clips carried by the tube to engage an oil spout, said tube being split at one end to provide yieldable tongues.

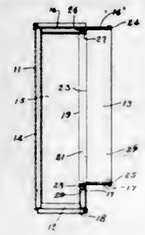
1,461,437. PENCIL. OBED C. BILLMAN, Cleveland, Ohio, assignor of one-half to Harvey H. Troxel, Wooster, Ohio. Filed July 28, 1919. Serial No. 313,791. 21 Claims. (Cl. 120—18.)



1. In a propeller pencil, a tubular pencil body provided at its top with an annular beading, a tubular propeller member rotatable in said pencil body, an eraser in said propeller member, a finger cap protecting said eraser and detachably connected to said propeller member, and means for detachably and rotatably securing said cap and propeller member to said annular beading of said pencil body.

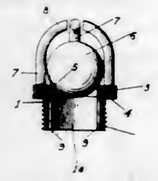
1,461,438. ADJUSTABLE HEAD FOR PIPES. CHARLES M. BULLER, Milwaukee, Wis., assignor to L. J. Mueller Furnace Company, Milwaukee, Wis., a Corporation of Wisconsin. Filed May 12, 1921. Serial No. 468,942. 5 Claims. (Cl. 137—75.)

1. An adjustable head for pipes, comprising a rectangular casing having double walls with a side opening and an opening at one end, and an angular U-shaped member slidably adjustably connected to and extending



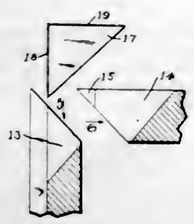
between the double walls of the side portion of the casing provided with the side opening for adjusting the width of the side opening.

1,461,439. CHECK VALVE. WALDO W. BURGIN, Lodi, Calif. Filed Apr. 12, 1921. Serial No. 460,707. 1 Claim. (Cl. 251—167.)



A check valve including a tubular body, a closure member for the body, and a ring removably fitted into one end of the body, the inner peripheral edges of the ring being adapted to either at a time form a seat for said closure member the body-bore being provided with longitudinal slots extending to the ring from the opposite end of the body.

1,461,440. CORNER JOINT FOR FRAMES. LORENZO R. CENTEBAR, Fitchburg, Mass. Filed Feb. 17, 1922. Serial No. 537,316. 4 Claims. (Cl. 20—92.)



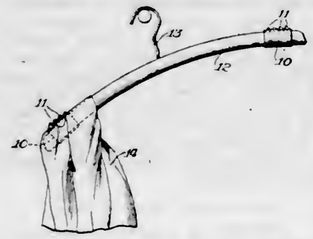
1. As an article of manufacture, a frame comprising a vertical member having a groove along the outer surface thereof and a horizontal member, said members having a mitre joint between them and being glued together along the same, and being provided with a continuous slit of triangular form extending from the bottom of the groove in the upright member, to the outer surface of the horizontal member, and being provided with a strengthening piece of metal extending through said slit and having flanges engaging the outer surface of the horizontal member and the bottom of said groove.

1,461,441. WINDOW SCREEN. AMY E. DAVIS, New York, N. Y. Filed Jan. 29, 1920. Serial No. 354,953. 4 Claims. (Cl. 156—14.)



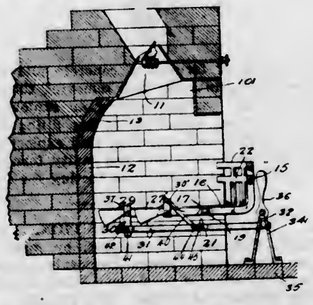
3. A frame with hooks, a screening means with a hem at its edges, a drawing string passing through the hem and having exposed portions passing over the hooks so as to hold the screening means in place, and said frame comprising means for permitting it to expand.

1,461,442. GARMENT HANGER. ISADORE DUBERSTEIN, Los Angeles, Calif. Filed Sept. 21, 1922. Serial No. 589,663. 10 Claims. (Cl. 211—13.)



1. In combination, a garment hanger embodying a garment supporting bar, and an elastic sleeve adapted to be freely adjusted upon the bar within the confines of the ends of the bar, the internal diameter of the sleeve being less than the external diameter of the bar, said sleeve serving to support and retain the garment upon one end of the hanger when the garment has become detached from the other end of the hanger.

1,461,443. GRATE CONSTRUCTION. SAMUEL N. FLEMING, Earlington, Ky. Filed May 25, 1918. Serial No. 236,604. 3 Claims. (Cl. 126—164.)



2. A fire place grate comprising a forward basket portion and transverse rocking bars rearwardly thereof having major rearwardly extending fire supporting parts, and means to rock the bars alternately whereby fire will be moved forwardly into the basket portion.

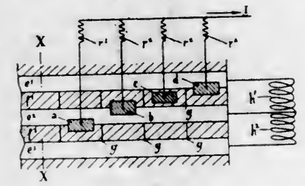
1,461,444. MAGNESIA REFRACTORY. WALLACE W. GREENWOOD, Worcester, Mass., assignor to Norton Company, Worcester, Mass., a Corporation of Massachusetts. Filed Feb. 28, 1919. Serial No. 279,881. 8 Claims (Cl. 106—11.)

1. A composition of matter comprising preshrunk magnesia grains forming the major portion of the total mass and a ceramic bond proportioned and constituted to unite the grains into a super-refractory body which will withstand drying and firing without detrimental shrinkage.

1,461,445. COMPOSITION FOR SATURATING FABRICS AND PROCESS OF MAKING SAME. LESTER KIRSCHBRAUN, Chicago, Ill. Filed Oct. 5, 1921. Serial No. 505,653. 4 Claims. (Cl. 134—1.)

2. A process of making an emulsion, consisting in mixing colloidal clay, and water, adding thereto a bitumen while the latter is in heated liquid condition so as to form an emulsion, then adding thereto a hydrocarbon oil substantially liquid at normal temperatures, the two hydrocarbon constituents forming the internal and the water the external phase of the emulsion.

1,461,446. COMMUTATING SYSTEM FOR ELECTRICAL MACHINES. CHARLES LÉONARD ARMAND MAURICE LEBLANC, Paris, France, assignor to Société Anonyme pour l'Exploitation des Procedes Maurice Leblanc-Vickers, Paris, France. Filed Sept. 15, 1920. Serial No. 410,534. 5 Claims. (Cl. 171—321.)

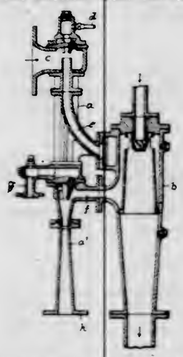


1. A commutating device comprising, a commutator cylinder provided with a plurality of commutator segments, a plurality of low resistance brush elements electrically connected together and arranged in circumferential stepped relation with respect to each other for cooperation with said cylinder and each of said brush elements having a resistance in series therewith, alternate segments of said cylinder being connected to the armature windings of the machine and the intermediate segments each being inactive and divided into a plurality of sections which are insulated from each other and from said alternate segments, each of said sections being disposed in the path of one of said brush elements, whereby the individual brush elements are insulated from each other at the commutator, but electrically connected through said resistances.

1,461,447. STEAM-EJECTOR APPARATUS. MAURICE LEBLANC, Val-sur-Seine par Croissy, France, assignor to Societe Anonyme pour l'Exploitation des Procedes Westinghouse Leblanc, Paris, France. Filed July 31, 1918. Serial No. 247,651. 4 Claims. (Cl. 230—13.)

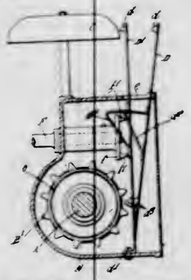
1. In combination with a main condenser a steam ejector provided with a diffuser the axis of which is a curved line so arranged as to permit the fluid withdrawn to be discharged from the ejector in an oblique direction, an auxiliary condenser of elongated form having its axis parallel and immediately adjacent to that of the ejector,

and directly connected to the said diffuser, a second ejector forming the suction from the auxiliary condenser



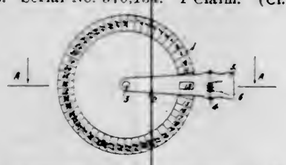
and located in the same axial line as the first ejector, with the object of providing a compact unit easy to control and occupying a minimum floor space.

1,461,448. MEANS FOR INDICATING ERROR IN DIRECTION OF ROTATION OF SHAFTS AND OTHER MECHANICAL ROTARY MEMBERS. JAMES MCKECHNIE and WILLIAM FLOYD RAMBIDGE, Barrow-in-Furness, England, assignors to Vickers Limited, London, England. Filed Aug. 22, 1921. Serial No. 494,109. 3 Claims. (Cl. 116—21.)



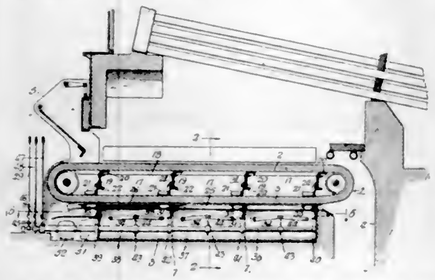
3. In indicating devices for rotary members, a warning bell, a pair of spring clappers adapted to strike the said bell, each clapper having an operating stud, a pair of toothed wheels on the rotary member adapted to operate the clappers through the striking studs, oppositely directed free wheel clutches on which the said toothed wheels are mounted, a distant control member adapted to turn into either one of two positions according to the direction in which the rotary member is to turn, and means provided on the distant control member whereby one or other of the clappers is pressed back out of operative position according to the direction of rotation required for the rotary member.

1,461,449. SCORE-INDICATING DEVICE FOR GAMES. HUGH M. MATHIESON, Glasgow, Scotland. Filed June 22, 1922. Serial No. 570,134. 1 Claim. (Cl. 235—83.)



A score indicating device comprising a figured dial, slotted pointing means rotatably mounted on said dial, said pointing means comprising resilient arms embracing said dial, said arms hingedly connected at their outer ends and presenting finger grips and a spring compressible by actuation of the finger grips, said spring normally acting to maintain the inner faces of said arms in frictional engagement with said dial.

1,461,450. STOKER FURNACE. HERMAN A. POPPENHUSEN, Hammond, Ind., assignor to Green Engineering Company, East Chicago, Ind., a Corporation of Illinois. Filed Dec. 14, 1921. Serial No. 522,361. 9 Claims. (Cl. 110—40.)



1. In a furnace, the combination of a grate, a plurality of air ducts on opposite sides of said grate and opening beneath the fuel supporting portion of said grate for supplying draft thereto, the ducts at one side of said grate being opposite the corresponding ducts on the other side of said grate, a single conduit beneath said grate and between the ducts at the sides thereof, said conduit being common to all of said ducts for supplying air thereto, a damper for each duct, a plurality of shafts between said ducts, one for each set of opposite ducts, and means connecting each shaft with the dampers of its associated ducts so that the dampers of one set of ducts may be actuated independently of the dampers of any other set.

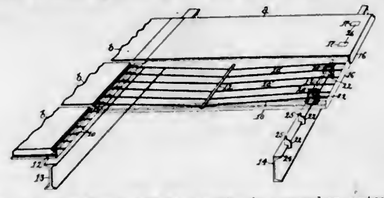
1,461,451. METHOD OF MAKING CONCRETE PILES. GEORGE G. POWELL, New York, N. Y., assignor of one-half to Ignatius V. McGlone, Jamaica, N. Y. Filed June 7, 1921. Serial No. 475,774. 5 Claims. (Cl. 61—57.)



1. The method of forming a concrete pile consisting in forcing a casing into the soil, removing the soil from the interior of the casing, locating an explosive in the soil below the bottom end of the casing, filling the casing with liquid concrete and exploding said explosive in said soil, said concrete flowing into the cavity formed by the explosive and forming an enlarged footing for the pile.

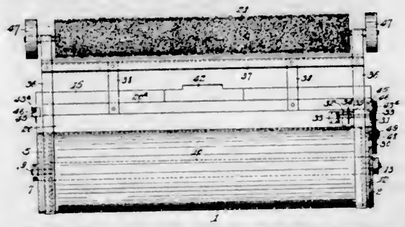
1,461,452. BUILDING CONSTRUCTION. JOHN A. PRITCHARD, Chicago, Ill., assignor, by mesne assignments, to Structural Gypsum Corporation, New York, N. Y., a Corporation of Delaware. Filed May 27, 1921. Serial No. 473,103. 4 Claims. (Cl. 72—71.)

1. In a building construction, in combination, an end purlin, an anchoring device erected upon said end purlin, a slab of plastic material supported by said purlin and having an opening into which said anchoring device pro-



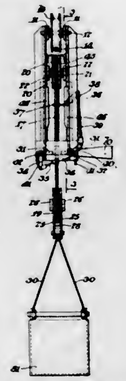
jects, and provided with an anchoring member extended into said opening and cooperating with said anchoring device.

1,461,453. WALL-PAPERING DEVICE. STANLEY PYTLAK, McMechen, W. Va. Filed May 13, 1922. Serial No. 560,582. 5 Claims. (Cl. 216—6.)



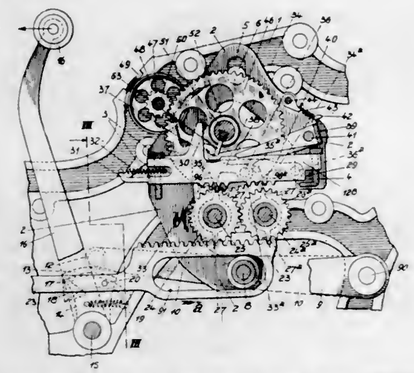
1. A wall papering apparatus comprising a holder for a roll of paper, a casing having hinged connection with said holder, said casing being divided longitudinally to form a brush compartment and a paste reservoir and having passages permitting paste to pass from said reservoir to said compartment, a rotary paste-applying brush in said compartment, said compartment being open at its top, paper guiding means holding the paper to said brush as it is drawn from said holder across said open top, and a rotary cutting disk whereby a marginal edge is trimmed from the paper as it is drawn from said holder.

1,461,454. TROLLEY. JAMES F. REILLY, Philadelphia, Pa. Filed Dec. 6, 1921. Serial No. 520,269. 16 Claims. (Cl. 212—105.)



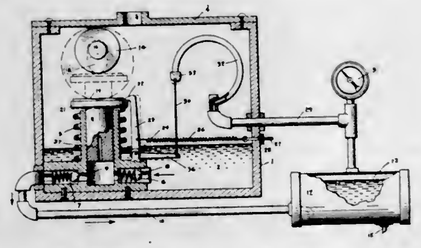
1. In apparatus of the character described, a carriage suspended from and adapted to travel upon an overhead trackway, a controllable cable one end of which is attached to said carriage, said cable extending downward in a loop from said carriage, a pulley block suspended in said loop of said cable, members mounted in the carriage and adapted to be moved aside by said pulley block and to then return to their normal positions to form a seat for supporting said pulley block in said carriage, means adapted to be encountered and operated by said pulley block when the same passes to a predetermined position in the carriage for moving said supporting members to positions whereby the pulley block may be permitted to pass below the same, and means actuated by the pulley block as the same descends to return said supporting members to their normal operative positions.

1,461,455. TENS-CARRYING DEVICE FOR CALCULATING MACHINES. PAUL REISS, Danzig, Germany, assignor to the Firm Gutschow & Co. G. m. b. H., Danzig, Germany. Filed Apr. 20, 1922. Serial No. 555,713. 17 Claims. (Cl. 235—138.)



15. In a computing machine a tens carrying device comprising rotatable carrying means operatively connected to the numeral wheels of the computing machine, a carrying member movable in two directions and adapted to rotate said carrying means a step both in the one and in the other sense, on being itself shifted only in one of said two directions; means adapted to move said carrying member in the other direction; a locking member adapted to lock said carrying device against movement in one of said two directions; releasing means positively connected to said carrying means and adapted to release said locking member; positioning means adapted to rotate said carrying means and means for actuating said positioning means; said releasing means comprising a releasing member movably mounted on said carrying member and a finger rigidly attached to said carrying means, said finger adapted to engage said releasing member.

1,461,456. AUTOMATIC CUT-OUT. JOY S. REYNOLDS, San Francisco, Calif., assignor of one-half to Charles A. Balcom, San Francisco, Calif. Filed Apr. 26, 1921. Serial No. 464,695. 3 Claims. (Cl. 103—23.)



1. An automatic cut-out, comprising, a reservoir adapted to hold fluid, a continuously rotating shaft projecting

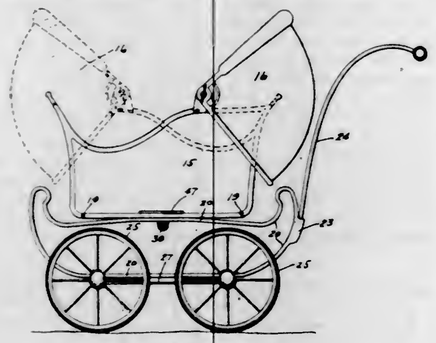
into said reservoir and having a crank therein, a pump in said reservoir having a piston in position to be actuated by said crank on its inner stroke, a spring positioned to actuate said piston against said crank, a pressure chamber, said pump connected to said chamber, and adapted to take fluid from said reservoir and force it into said chamber, a latch adapted to engage said piston and retain it at approximately the inner limit of its stroke, and means, depending on the pressure in said chamber, for actuating said latch in the direction of engagement with said piston, and a spring tending to actuate said latch in the direction of non-engagement with said piston.

1,461,457. GEAR-SHIFT LEVER. PERCY F. RICE, Tustin, Calif. Filed June 6, 1921. Serial No. 475,248. 7 Claims. (Cl. 74—39.)



1. In a device of the nature disclosed, the combination with a speed change gearing having a plurality of shift rods carrying gear shifting means, of a universally movable gear-shift lever having a flexible rod operating end, and tension means carried by the lever and functioning to yieldingly maintain the operating end in a normal position relative to the lever.

1,461,458. CONVERTIBLE BABY CARRIAGE. CHARLES O. ROBINSON, Bismarck, N. Dak. Filed Jan. 5, 1920. Serial No. 349,387. 18 Claims. (Cl. 280—31.)



1. A baby carriage having in combination, a body, a running gear comprising wheels and axles, a pair of springs each formed of a substantially continuous piece of material bent to form a closed figure with convex end portions, the bottom of said figure being straight and each of said springs having pairs of spaced means on their upper sides adapted to co-operate with detachable connecting devices on said axles whereby said running gear may be readily removed without removing said body.

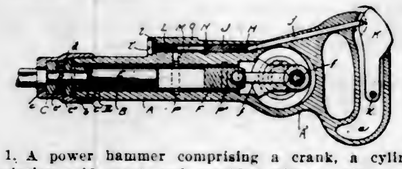
1,461,459. GOLF BAG. JOHN E. SCHANK, Chicago, Ill. Filed Aug. 11, 1921. Serial No. 491,335. 9 Claims. (Cl. 150—1.5.)

5. In a golf bag, the combination with a flexible body, of an annular bendable stiffening strip secured around the outside of the open top of the body, a rigid metallic annulus inside of the top of the body and having an



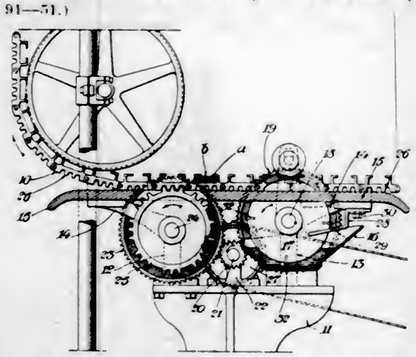
exposed outwardly extending flange overhanging the stiffening strip, and rivets for securing the body, strip and annulus together.

1,461,460. POWER HAMMER. ROBERT C. SCHROTH, Jr., New York, N. Y., and CLAUDE A. HERMAN, Bridgeport, Conn. Filed June 10, 1920. Serial No. 387,839. 3 Claims. (Cl. 125—34.)



1. A power hammer comprising a crank, a cylinder enclosing said crank and provided with an air passage communicating with the interior through its wall, said cylinder further provided with an enlarged offset portion having a longitudinal bore, a positively driven piston for compressing and expanding the air in said cylinder, a free piston adapted to be operated by the compression and expansion of said air, a tool adapted to be actuated by said free piston, a slide valve arranged in said longitudinal bore and adapted to open and close said air passage, and means for operating said slide valve, said means including a trigger for moving said slide valve to the closing position of said air passage and a spring for moving said slide valve to the open position of said passage.

1,461,461. COMPOSITION-APPLYING DEVICE FOR BOOK-MATCH MACHINES. WILLIAM H. SHOFTER, Barberton, Ohio, assignor to The Diamond Match Company, Chicago, Ill., a Corporation of Illinois. Filed Feb. 4, 1922. Serial No. 534,258. 3 Claims. (Cl. 91—51.)



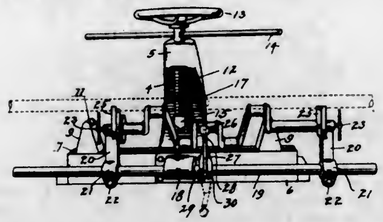
1. The combination with a carrier for a succession of separated articles, of a container for ignition material; a wheel mounted to rotate in said container and to transfer the material therefrom to the surface of said articles, said wheel having spaced-apart peripheral projections, a gauge plate adjacent the periphery of the wheel and the path of rotation of said projections, and means for rotating said wheel in synchronism with the travel of the articles whereby the peripheral portions of the wheel between the projections apply the material to the articles and the projections escape the articles.

1,461,462. COUNTERBORING TOOL. JOHN H. SMITH and GEORGE J. KENGEL, Detroit, Mich., assignors to Eclipse Interchangeable Counterbore Company, Detroit, Mich., a Corporation of Michigan. Filed Dec. 14, 1921. Serial No. 522,234. 3 Claims. (Cl. 77—58.)



1. In a boring tool, the combination with a cutter and a holder therefor having abutting end faces, of a drive key projecting from said end face of one of said members, having a pair of opposed plane faces substantially parallel to the axis of said member, the other member being formed with a correspondingly shaped socket engaged by said key and having a lesser diametrical extent than said member, of a cylindrical boss projecting from said key and axially engaging the socketed member to relatively center the two members.

1,461,463. STRAIGHTENING PRESS AND METHOD OF USING SAME. JOSEPH H. STALEY, Columbus, Ind. Filed Mar. 1, 1921. Serial No. 448,879. 5 Claims. (Cl. 153—53.)

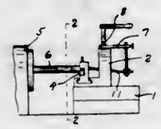


1. In a shaft straightening machine, means to test a shaft having center holes comprising a gauge, a pair of center pins on which the shaft is mounted and rotated, and means to test the accuracy of the center holes in the shaft comprising additional supports with recesses in which the shaft is placed and rotated said gauge being adjustable to the two positions of the shaft.

2. The combination with a shaft-straightening press, of means to test a shaft having center holes, comprising a rockable shaft, a pair of center pins rockable with said shaft on which pins the shaft to be tested is rotated, additional higher shaft supports also rockable with the center supports, and a gauge mounted on the rockable shaft and adjustable in its distance from the latter to reach the shaft undergoing test when held by the center pins or on the higher supports.

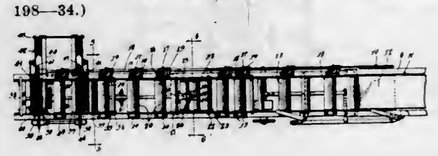
4. The herein described method for testing the accuracy of center holes in a cylindrical member, comprising the positioning of said member between peripheral supports, gauging the same, positioning said member between supports entering said center holes and again gauging said member, substantially as set forth.

1,461,464. CUT-OFF SLIDE ATTACHMENT. HARRY E. STALTER, Moline, Ill. Filed May 2, 1921. Serial No. 466,185. 3 Claims. (Cl. 29—57.)



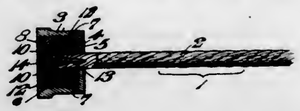
1. A device of the class described, comprising a plate adapted for attachment to the head of a turret lathe; a rod supported vertically in said plate; and a rod of smaller diameter than said first-named rod, supported thereby so as to have its free end in proximity to the cutting device of said head.

1,461,465. BOX-ELEVATOR FEEDER. FRED STEBLER, Riverside, Calif., assignor to Stebler-Parker Co., Riverside, Calif., a Corporation of California. Filed Oct. 31, 1921. Serial No. 511,641. 8 Claims. (Cl. 198—34.)



1. In a box feeder, the combination of box-conveying means, means projecting above the box-conveying means to intercept the boxes one at a time when they reach a certain position, and means operating at intervals to raise the box above the projecting means to free the box therefrom.

1,461,466. CABLE END AND HOUSING AND METHOD OF ASSEMBLING THE SAME. GEORGE W. STOUT, Merchantville, N. J. Filed Aug. 20, 1921. Serial No. 493,998. 6 Claims. (Cl. 24—123.)

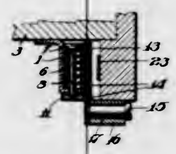


1. A cable head, composed of a cable, a cup shaped housing having a bottom plate through which said cable passes, the outer end strands of said cable being reversely bent within said housing, inner annular retaining devices wound around the outer end of said cable and positioned between said outer end and the reversely bent strands, outer annular retaining devices wound around said reversely bent strands, a wedge driven into the outer end of said cable, and a sealing medium filling said housing and enclosing said wedge, and said reversely bent, banded cable ends.

1,461,467. WINDOW FASTENER AND ANTI-RATTLER. ROBERT STUART, Philadelphia, Pa. Filed Aug. 1, 1922. Serial No. 578,877. 5 Claims. (Cl. 292—75.)

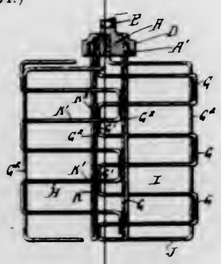
1. A window fastener and anti-rattler, comprising a casing adapted to be secured to the window sash, a

roller adapted to travel on the window jamb, a roller support having a plurality of guides slidable in said



casing, resilient means to cause said roller to draw said sash towards said jamb and a locking member movably carried by said casing.

1,461,468. MIXING AND BEATING MACHINE. HENRY TRUST, Park Ridge, N. J., and FRANK M. ASHLEY, Brooklyn, N. Y.; said Ashley assignor of all his right to Josephine Trust, Park Ridge, N. J.; Josephine Trust administratrix of said Henry Trust, deceased. Filed Dec. 16, 1919. Serial No. 345,344. 4 Claims. (Cl. 259—134.)



1. A beater comprising a body portion having a thread formed in its surface and slots intersecting said threads, a cap adapted to overlie said slots and having threads to engage the threads in the body portion.

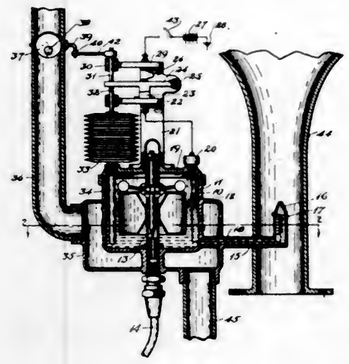
1,461,469. CUSHIONED TOE REENFORCE FOR LASTS. RALPH C. WEBSTER, Haverhill, Mass. Filed Mar. 1, 1919. Serial No. 279,980. 5 Claims. (Cl. 12—133.)



1. A wooden last having applied to its bottom a reinforcing piece of material tougher and more tenacious than wood extending lengthwise of the last body and its forward end providing the toe extremity of the last, and a cushion interposed between said piece and the last body.

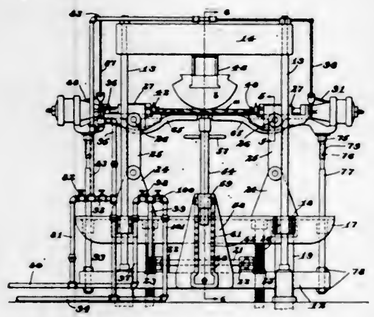
1,461,470. CARBURETOR. KENNETH A. ACKLEY, Louisville, Ky. Filed May 14, 1921. Serial No. 469,551. 1 Claim. (Cl. 236—18.)

A combined valve and heating coil control thermostat comprising an expansible thermostatic cell, a bracket adjacent said cell and provided with a pair of spaced arms projecting over the cell and having alined bearings, a stem on the thermostatic cell extending through these arms, a circuit controlling lever pivoted to said bracket and extending past the stem, a pin on said stem engag-



ing the free end of said lever to move the same, and a valve controlling arm projecting laterally from the upper end of said stem.

1,461,471. WOOD-BENDING APPARATUS. FRANK H. BANCROFT, Gardner, Mass., assignor to P. Derby & Co., Inc., Worcester, Mass., a Corporation of Massachusetts. Filed Apr. 27, 1922. Serial No. 556,960. 29 Claims. (Cl. 144—264.)

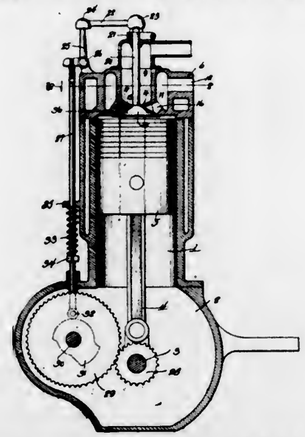


1. In a machine for bending wood about a form, means for clamping a portion of the wood to be bent against the form and means for automatically maintaining a uniform pressure upon the ends of the wood during the bending process.

1,461,472. OSCILLATING VALVE FOR INTERNAL-COMBUSTION ENGINES. RALPH A. BRADLEY, Ottawa, Kans. Filed Dec. 17, 1919. Serial No. 345,676. 1 Claim. (Cl. 123—80.)

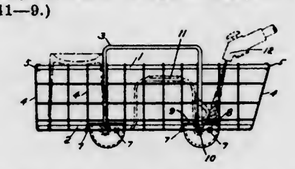
An internal combustion engine having a detachable head provided with an intake passage way, and having an exhaust passage way in the cylinder head surrounding the intake passage way, a wall intermediate the passage ways, said wall forming a valve seat, said wall having ports communicating with the intake and exhaust passage ways, a valve for said seat having ports to register with said ports, a stem on said valve extending through the intake passage way, an intake pipe on the head and in which said stem is journaled, a crank

above said pipe extending from the stem and adapted for unitary movement therewith, a stud on the cylinder



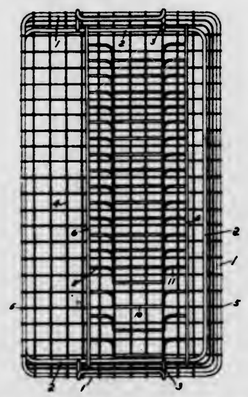
head, a bell-crank lever pivoted to said stud, a link connecting the crank and bell-crank and means for separable connection of said bell-crank to a push rod.

1,461,473. DISHWASHER. CARL BREER, Summit, N. J. Filed July 21, 1920. Serial No. 397,877. 5 Claims. (Cl. 141—9.)



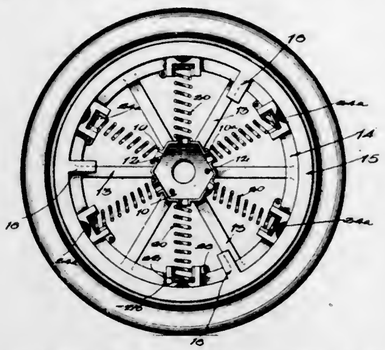
2. In a dish-washer, the combination of a dish-support; and a water deflector having an upwardly directed discharge and an inlet adapted to receive a jet of water from a different direction than the direction of discharge.

1,461,474. DISH-HOLDING TRAY. CARL BREER, Summit, N. J. Filed July 21, 1920. Serial No. 397,878. 4 Claims. (Cl. 141—11.)



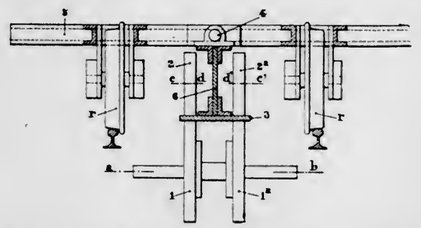
3. In a dish-holding tray, the combination of a frame; longitudinal rods secured to parts of the frame; and upright dish supports formed of wire with upright sides between the rods, the lower ends of said wires being provided with lateral extensions secured to said rods, said extensions forming torsion members on which the uprights may swing.

1,461,475. WHEEL. REUBEN GLADSTONE BRUNER, Windsor, Ontario, Canada. Filed Mar. 23, 1922. Serial No. 545,973. 8 Claims. (Cl. 152—28.)



1. In a wheel of the character described, a hub, a wheel body organized with the hub, a felly movably mounted on the wheel body, compression coil springs having their inner ends engaged with the hub, and a seat for the outer end of each of said coil springs, each seat being supported upon said felly when the spring with which it is associated is subjected to load and being engaged with the wheel body when the spring with which it is associated is not subjected to load.

1,461,476. DEVICE FOR DRIVING THE BANDS OF ROLLING PLATFORMS. LOUIS DOMINIQUE AUGUSTE CASALONGA, Paris, and GEORGES MIOT, Vanves, France. Filed May 3, 1922. Serial No. 558,250. 7 Claims. (Cl. 104—25.)



1. A traction device for rolling platforms, comprising, a plurality of carriages, a movable band fixed to each of the carriages, a plurality of sets of cooperating rollers, said band being positioned between the rollers of each set, each set comprising a driving, and a pressing roller.

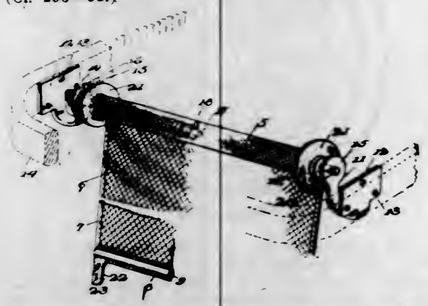
1,461,477. RAILWAY TIE. CLINTON J. COOPER, Oak Park, Ill. Filed Dec. 13, 1922. Serial No. 606,676. 3 Claims. (Cl. 238—62.)



1. A railway tie consisting of a single casting and comprising smooth vertical side walls provided at their outer edges with outwardly extending lugs and a continuous integral longitudinal web of uniform thickness connecting the side walls and composed of horizontal

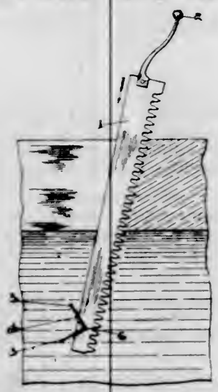
end portions arranged at the lower edges of the side walls, a central horizontal top portion arranged at the upper edges of the side walls and intermediate vertically connecting portions extending from the end portions to the central portion, said web forming a central chamber and end pockets, the central chamber being open at the bottom and closed at the top and the end pockets being open at the top and outer ends, rail supporting blocks arranged within the end pockets, and means carried by the lugs for securing rails upon the end blocks.

1,461,478. PROTECTIVE VENTILATING SCREEN FOR VEHICLES. BENJAMIN A. DANIELS, Tampa, Fla. Filed May 31, 1922. Serial No. 564,696. 1 Claim. (Cl. 296—95.)



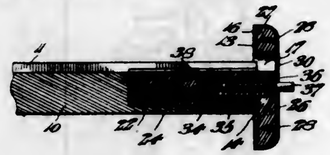
In combination, a spring roller, a protective ventilating screen of substantially rectangular configuration and being made of a foraminated flexible metallic material, said screen being secured along its upper edge to the spring roller, a fabric binding the side and lower edges of the screen, said binding along the lowre edge of the screen being fashioned to provide a sleeve extending transversely of the screen, a stiffening rod disposed in the sleeve, and brackets engagable with the top bow of an automobile for pivotally supporting the roller at its ends in transverse relation to the wind shield, said binding at the lower edge of the screen having spaced apart depending tab portions provided with eyelets for engaging hooks or the like at the lower end of the windshield frame to releasably hold the screen in extended position.

1,461,479. ICE SAW. JEROME COLWELL DIETRICH, Galt, Ontario, Canada. Filed Mar. 20, 1922. Serial No. 545,326. 7 Claims. (Cl. 262—33.)



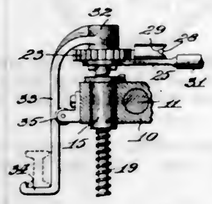
1. An ice saw having a vane attachment connected to its blade back of the teeth and adapted to press the saw against its work when said blade is moved longitudinally.

1,461,480. SPOOL HEAD. VICTOR GERO, Philadelphia, Pa. Filed Mar. 21, 1922. Serial No. 545,435. 4 Claims. (Cl. 242—124.)



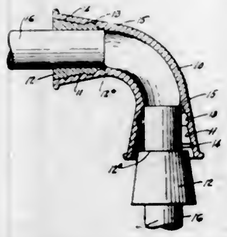
1. In a spool or bobbin, the combination of a spool body, a head arranged to be rigidly secured to said body, a protecting rim circumferentially arranged about said head, and a pin projecting axially through said head.

1,461,481. DOLLY JACK. FELTA B. GIST and CHARLES P. MARTIN, Orange, Calif. Filed Apr. 23, 1921. Serial No. 463,805. 2 Claims. (Cl. 254—7.)



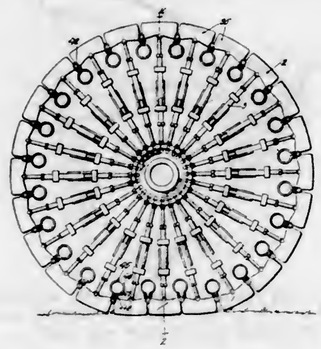
1. In combination, a dolly having an aperture formed therein, a socket member mounted within the aperture, a notched flange formed on one end of the socket member, a pin removably mounted in the dolly and engaging the notch of said flange for locking the socket member against rotation within the aperture, a threaded shaft mounted in the socket member, a head formed on the upper end of the shaft, a wheel having radially extending teeth fixed to the shaft, an arm pivoted on the shaft, a spring pressed pawl carried by the arm and normally engaging said teeth, an operating handle connected to the arm, and means for rotating the pawl to cause the latter to engage the teeth of said wheel to effect rotation of said shaft in one direction or the other, according as the arm is moved in one direction or the other.

1,461,482. PIPE COUPLING. HENRY W. HAHN, Denver, Colo. Filed Jan. 25, 1922. Serial No. 531,667. 2 Claims. (Cl. 285—115.)



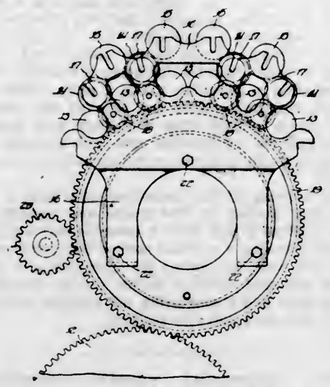
1. A pipe fitting, comprising a bell having a tapered bore, a pipe extending into said bore, the wall of the tapered bore of the bell being provided adjacent the inner end thereof, but spaced therefrom, with an angular groove, and a soft metal caulking ring pressed into the space between the pipe and the walls of the bore and extending into and fitting said groove.

1,461,483. RESILIENT VEHICLE WHEEL. THOMAS S. HALLETT, Mile 54, Alberta, Canada. Filed June 8, 1921. Serial No. 476,034. 8 Claims. (Cl. 152—30.)



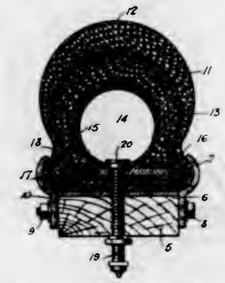
6. In a resilient wheel, a hub, a tread comprising a plurality of sections, and spokes extending radially from the hub and connected with the sections, the said hub comprising portions circumscribing its body in spaced relation thereto and provided with slots opening through one edge of each portion and terminating at their inner ends in threaded openings the spokes each comprising an inner and an outer section and the inner section including a stem having an enlarged inner end, the stems being of a diameter to pass through the respective slots in the said portions of the hub, and a bushing sleeve fitted onto each of the stems and movable longitudinally thereof and threaded into the respective opening in the said portions of the hub, and means resiliently connecting the inner and outer sections of each spoke.

1,461,484. GEARING MECHANISM. CARL HENDERSON, Chicago, Ill., assignor to Miehle Printing Press and Manufacturing Company, Chicago, Ill., a Corporation of Illinois. Filed Feb. 1, 1922. Serial No. 533,191. 5 Claims. (Cl. 101—352.)



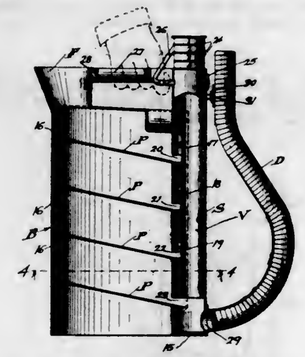
1. In a printing press, the combination of a form member, inking rolls associated therewith, a movable frame in which said inking rolls are mounted, gears through which said rolls are actuated, and a driving gear for said other gears carried by said frame and movable bodily with said gears, when the frame is moved for tripping the inking rolls, to maintain a constant degree of mesh between said gears.

1,461,485. SINGLE-TUBE PNEUMATIC TIRE. WILLIAM H. KERN, Jersey City, N. J. Filed Mar. 4, 1922. Serial No. 540,992. 2 Claims. (Cl. 152—28.)



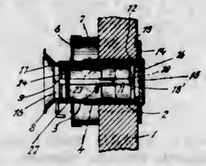
2. A single tube pneumatic tire having a tubular air chamber, a flattened auxiliary chamber communicating therewith, a flat metallic band within said auxiliary chamber and upon which the sides of said chamber are adapted to be compressed.

1,461,486. LIQUID MEASURING AND DISPENSING VESSEL. JOHN M. KISHPAUGH, Pasadena, Calif. Filed Mar. 9, 1922. Serial No. 542,281. 4 Claims. (Cl. 221—95.)



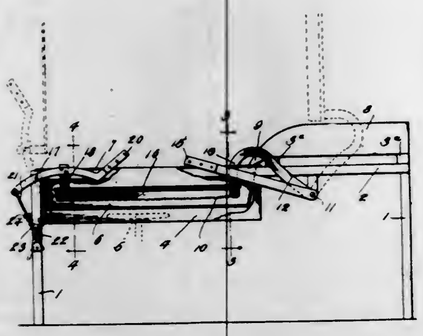
1. A liquid dispensing and measuring vessel comprising a body, a sleeve sustained on the body, transverse inclined partitions arranged within the body at one side of the sleeve to divide the latter into a plurality of compartments, a discharge spout communicating with said sleeve, a plurality of openings formed in said sleeve for effecting communication between the compartments and said discharge spout, and a valve member movable in the sleeve and having ports formed therein to control said openings.

1,461,487. LOOKOUT OR DOOR PEEP. FRANZ LAIBACH, New York, N. Y. Filed May 21, 1919. Serial No. 298,731. 4 Claims. (Cl. 20—39.)



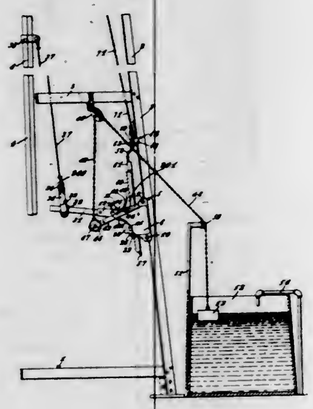
1. A tube having angularly adjustable lenses therein, and means for supporting said tube and means for adjusting said lenses in unison.

1,461,488. DOUGHNUT-COOKING MACHINE. HENRY LISI, Susquehanna, Pa. Filed Sept. 9, 1921. Serial No. 499,387. 8 Claims. (Cl 53—7.)



1. A device of the class described comprising a support, a grease pan, an open-work basket for holding the articles to be cooked, said basket being arranged in said pan, hoisting means connected with one end of the basket for raising it to dumping position, a cover for the basket, and means for raising said cover to and holding it in a vertical position to permit the basket to be raised.

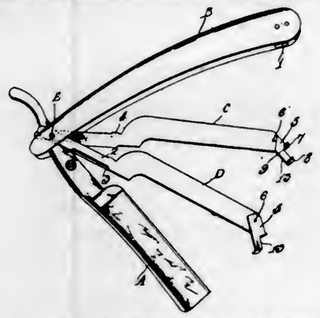
1,461,489. WINDMILL REGULATOR. JOHN M. LOWE, Butler, Ind. Filed Jan. 26, 1922. Serial No. 531,951. 8 Claims. (Cl. 103—29.)



1. A windmill regulator comprising a support; a lever fulcrumed thereon; a pawl carried and operated by the lever; a rack bar cooperating with the pawl; and means for mounting the rack bar for longitudinal sliding movement, and for transverse movement into and out of engagement with the pawl.

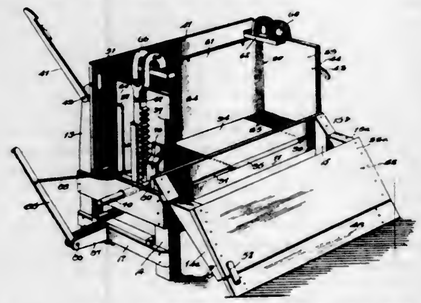
1,461,490. SAFETY GUARD FOR RAZORS. ANDREW MCANULTY, Ottawa, Ontario, Canada. Filed Feb. 28, 1921. Serial No. 448,413. 5 Claims. (Cl. 30—12.)

1. In a razor of the class described having a safety guard pivotally attached to the blade, means for holding the said guard on the blade comprising a stop integral therewith and resting on the razor tang, and a latch



attached to said guard and provided with stop means to rest on the back of the razor and locking means to hold the said guard distant from said razor.

1,461,491. TOBACCO PACKER. OLAVES R. MATSON, Columbus, Wis. Filed May 23, 1921. Serial No. 472,014. 20 Claims. (Cl. 100—5.)

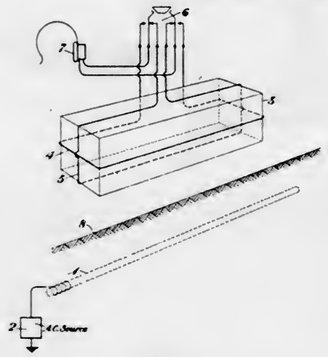


2. In a press of the character described, a frame, a press box carried by the frame and including a movable end wall, a follower, means for applying pressure to said follower comprising a stationary unit including a rack, and a movable unit carried by the movable end wall and including a rack, common operating mechanism for the units including a rotatable shaft, a pinion fixed to the shaft and engageable with the rack of the stationary unit, a pinion splined with the shaft and engageable with the rack of the movable unit, and a crank for operating said shaft, and means for operating the movable end wall.

16. In a press of the character described, a frame, a press box carried by the frame and including side walls, a stationary end wall, a movable end wall, and a bottom wall having a movable section connected with the movable end wall, and means for operating said movable end wall and said movable bottom section including an operating lever and a connecting rod between said operating lever and said movable section.

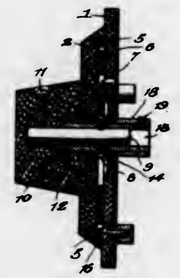
1,461,492. ELECTRICAL TESTING INSTRUMENT. JOHN F. MOODY, Brooklyn, N. Y., assignor to American Telephone and Telegraph Company, a Corporation of New York. Filed June 24, 1920. Serial No. 391,502. 9 Claims. (Cl. 175—183.)

1. The method of locating concealed conductors, which consists in impressing an alternating electro-motive force upon the said conductor, moving into the magnetic field thus created a winding whose plane is substantially perpendicular to the surface moved over, adjusting the position of the said winding until the tone produced in a telephone receiver connected therewith is of maximum intensity, connecting the said receiver with a second



winding whose axis is perpendicular to that of the said first winding, and adjusting the position of the said second winding relative to the said magnetic field until substantially no tone is perceived in the said receiver.

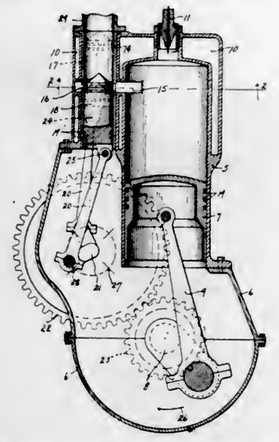
1,461,493. VERNIER TUNING DIAL. ROBERT H. MOORE, Providence, R. I., assignor to Capron Company, Providence, R. I. Filed Aug. 15, 1922. Serial No. 581,998. 7 Claims. (Cl. 74—7.)



2. A tuning dial comprising a rotatable dial element, a shaft extending therethrough and supporting a driving gear on one end portion and an operating handle on the opposite end portion, a base, a dial shaft extending through the base in axial alinement with the first shaft and secured to the dial element outwardly of the gear, and meshing gears carried on the dial element and base and driven from said first gear.

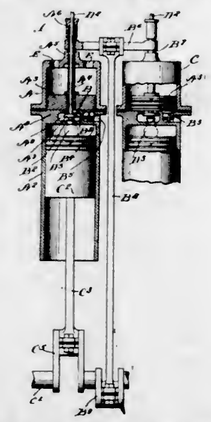
1,461,494. GAS ENGINE. OTTO NELSON, Chicago, Ill., assignor of one-fourth to Daniel P. Teter and one-fourth to Peter Ligneli, both of Chicago, Ill. Filed Mar. 16, 1921. Serial No. 452,677. 2 Claims. (Cl. 123—84.)

1. In an engine of the character described having a piston, a crank shaft operatively connected with said piston, an intake cylinder and an exhaust cylinder connected with the working cylinder of said engine, plunger valves operatively disposed in said intake and exhaust cylinders, an auxiliary crank shaft operatively connected with said first named crank shaft, a connecting rod connecting said auxiliary crank shaft with said plunger in said intake-cylinder at a point adjacent the periphery of said plunger and in vertical alinement with the axis of said auxiliary crank shaft, and a connecting rod connecting said auxiliary crank shaft with the plunger and



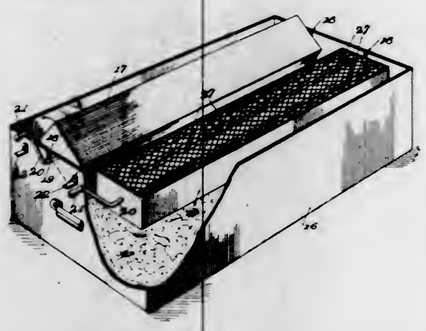
said exhaust cylinder at a point adjacent the periphery of said plunger and out of alinement with the axis of said auxiliary crank shaft.

1,461,495. INTERNAL-COMBUSTION ENGINE. ALVAH L. POWELL, Miles City, Mont., assignor to The A. L. Powell Power Co., Inc., Miles City, Mont., a Body Corporate. Filed Feb. 2, 1921. Serial No. 441,967. Renewed Dec. 22, 1922. 2 Claims. (Cl. 123—143.)



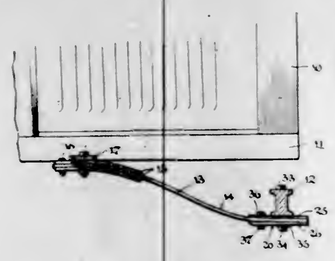
1. In an internal combustion engine, the combination of power cylinders, power pistons in said cylinders, compression cylinders means for attaching said compression cylinders to said power cylinders, heads between said power cylinders and said compression cylinders, cavities in said heads, valve seats at opposite sides of said cavities, valve stems, sleeves, means for fastening said sleeves to said compression pistons, packing-glands on said sleeves, independent valves in said heads, inlet and outlet means to said valves; a yoke, means for connecting said sleeves to said yoke, means for connecting said sleeves to said compression pistons, a connecting rod, a crank shaft, connecting means from said yoke to said crank shaft, and means for scavenging the cavities in said heads, substantially as described.

1,461,496. FIRE KINDLER. JOHN QUIST, Detroit, Mich. Filed Oct. 8, 1921. Serial No. 506,275. 10 Claims. (Cl. 158—10.)



1. A lighter unit of the character described, comprising a receptacle, a multiplicity of upstanding sheets within said receptacle, said sheets being made of liquid absorbing material, and some of said sheets extending above the others for the purpose described.

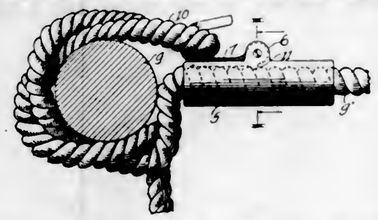
1,461,497. RADIUS LEAF. GROVER C. ROBBINS, Blowing Rock, N. C. Filed Mar. 9, 1922. Serial No. 542,313. 2 Claims. (Cl. 267—67.)



1. In a radius leaf adjustment, a main leaf having an end provided with serrations on its upper and lower face and having a bolt hole and an elongated slot, a pair of clamping plates, the upper clamping plate having serrations on its under face engageable with the serrations on the top face of the main leaf, the lower clamping plate having serrations on its upper face engageable with the serrations on the lower face of the main leaf, said clamping plates having elongated slots adapted to be alined with the bolt hole of the main leaf and having bolt holes adapted to be alined with the elongated slot of the main frame, a bolt extending through the slots of the clamping plates and the bolt hole of the main leaf, a nut engageable with the bolt for urging said clamping plates into engagement with the main leaf, the bolt holes of the clamping plate and the elongated slot of the main leaf being adapted to receive securing means.

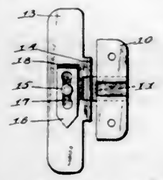
1,461,498. ROPE HITCH. ARTHUR L. SHANEA, San Francisco, Calif. Filed June 7, 1922. Serial No. 566,485. 1 Claim. (Cl. 24—134.)

A device of the character described, comprising a U shaped sleeve adapted to receive a rope therein, and a hook element pivotally secured to said U shaped sleeve, said hook element having a boss formed therein and adapted to lie within said U shaped sleeve when said hook is parallel to said sleeve, said hook being adapted to



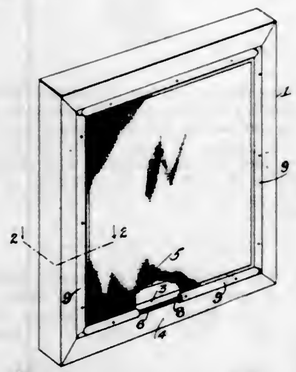
receive a loop of said rope after said rope has been secured around an object for the purpose of maintaining said boss in contact with said rope within said sleeve.

1,461,499. WINDOW STOP. NORA L. SHANKLAND, Newton, Iowa. Filed Nov. 23, 1921. Serial No. 517,222. 4 Claims. (Cl. 292—207.)



1. A window stop comprising a plate to be secured to one of the side rails of the sliding window sash, a keeper formed therein, an abutment hinged to the plate and capable of being swung outwardly to overlie the other sash and capable of being swung inwardly against the plate when not in use, and a locking bolt slidably and pivotally mounted on the abutment for engagement in the keeper to retain the abutment in operative position and adapted to be swung parallel to the plate when not in use.

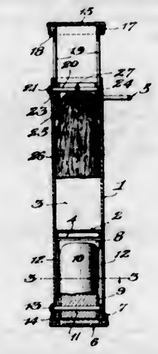
1,461,500. SCREEN FOR WINDOWS AND SCREEN DOORS. HARTWELL B. SHIPPEE, Killingly, Conn. Filed Jan. 31, 1922. Serial No. 533,053. 2 Claims. (Cl. 156—14.)



2. In a device of the character described, the combination of a frame having a continuous groove extending entirely therearound in one face thereof, said groove being comparatively deep and narrow and having an inner and outer wall, the outer wall being straight and parallel to the outer edge of said frame, the inner wall extending at an acute angle to the inner edge of said frame and

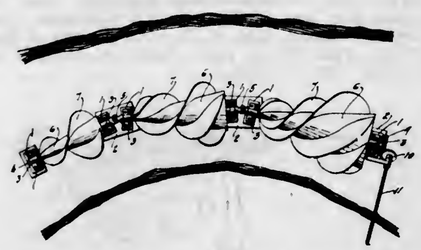
having beveled corners, and being of less height than the outer wall, a wire mesh fitting upon said frame and extending into said groove, a moulding having a comparatively broad head entirely covering said groove and having a comparatively long rounded tongue fitting within said groove for holding said mesh in position without danger of injury thereto, and securing means for holding said moulding upon said frame, whereby the outer wall of the groove will tip said moulding over slightly onto the inner wall, thereby binding the moulding upon the mesh at this point and also causing the tongue to wedge more firmly within said groove, as and for the purposes set forth.

1,461,501. TOILET KIT. HENRY SLAIGER, Attleboro, Mass., assignor to D. F. Briggs Company, Attleboro, Mass. Filed July 18, 1922. Serial No. 575,787. 5 Claims. (Cl. 132—79.)



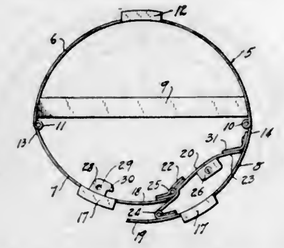
1. A toilet kit including a tubular container open at each end, the ends of the container having bayonet slots, a cap for each end of the container having a rim fitting over the same and having a slotted sleeve secured to the cap and receivable in the container, ferrules slidable in the sleeves, toilet members carried by the ferrules, and pins carried by the ferrules for securing the toilet articles thereto and engageable through the slots of the sleeves and in the respective container slots.

1,461,502. CURRENT MOTOR. HENRY R. SOLINGER and ERNEST G. MESSER, Zillah, Wash., assignors to Solinger Power Company, Elma, Wash., a Corporation of Washington. Filed Feb. 15, 1922. Serial No. 536,688. 2 Claims. (Cl. 170—97.)



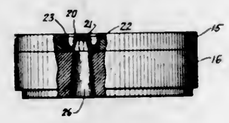
1. In a current motor, a plurality of supports carrying bearings, shafts journaled through said bearings and operatively connected, a power take-off device at one end of the series of shafts, and a conical rotor on each shaft equipped with spirally arranged blades, said rotors being of progressively increasing diameters.

1,461,503. TIRE CARRIER. ETHEL D. STINSON, Bisbee, Ariz. Filed Apr. 22, 1922. Serial No. 555,984. 2 Claims. (Cl. 224—29.)



1. A tire carrier comprising a rim provided with separable confronting ends, a lever pivotally connected at spaced points to said ends and designed to cause said ends to abut and to overlap in the expansion and contraction of said rim, one of said ends being provided with a keeper and the lever being provided with a lock engageable with said keeper, the other end being provided with a swinging latch designed to engage the relatively free end of the lever to hold the same in the contracted condition of the carrier.

1,461,504. MACARONI DIE. GUIDO TANZI, Long Island City, N. Y. Filed June 13, 1922. Serial No. 567,997. 6 Claims. (Cl. 107—14.)



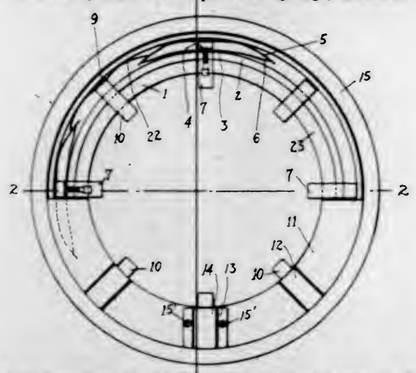
1. A macaroni die comprising a plurality of plates secured together, one said plate being provided with a plurality of receiving orifices arranged in pairs and the other said plate being provided with a plurality of discharge orifices each discharge orifice communicating with a pair of receiving orifices and an irregularly shaped passage connecting each pair of receiving orifices with its co-acting discharge orifices.

5. A macaroni die comprising a plurality of plates secured together, one said plate being provided with a plurality of receiving orifices and the other said plate being provided with a plurality of discharge orifices, each said discharge orifice communicating with a plurality of receiving orifices and each said receiving orifice being provided with a discharge aperture in the wall thereof, all said discharge apertures of each associated group communicating with a single discharge passage, arranged in the nearest adjacent side of the plate, wherein the receiving orifices are produced.

1,461,505. RESILIENT RIM FOR AUTOMOBILE WHEELS. FREDERICK THORNTON, Huntington, W. Va. Filed Nov. 3, 1922. Serial No. 598,814. 3 Claims (Cl. 152—8.)

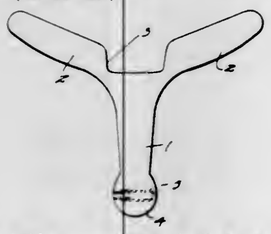
3. In a resilient rim structure, an element adapted to fit about the periphery of a vehicle wheel, a tire spaced from said element outwardly, a plurality of leaf springs arranged about the periphery of said element, some of said springs being arranged in pairs, having oppositely curved ends, said ends of said springs being arranged to slide upon each other for a considerable distance, a radially arranged set-screw, screw-threaded into said element for each of said pairs of springs and adapted to adjust the tension of the inner one of each of said pairs

of sprngs, a clip member surrounding the inner spring of alternate pairs of said pairs of springs, a socket in



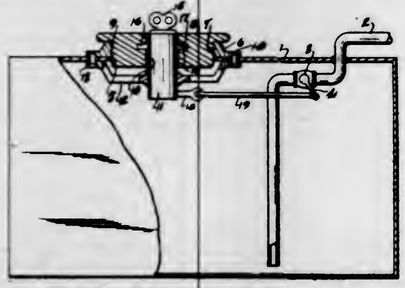
said clip member on the inner side of said spring, and a reduced cylindrical portion on the upper end of said set-screw fitting into said socket.

1,461,506. NECKTIE HOLDER. CHARLES VACEK, Chicago, Ill. Filed June 13, 1921. Serial No. 477,171. 1 Claim. (Cl. 24—49.)



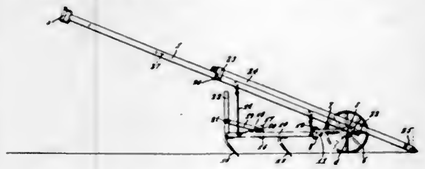
A necktie holder comprising a body, a pair of bowed rearwardly and oppositely inclined arms carried by said body at its upper end, said arms being reduced where they join the body to provide a depression between the adjacent ends of the arms to prevent displacement of the tie, the lower end of the body being expanded, a clip carried by said expanded portion at the rear side thereof, the arms serving to hold the device in place on a collar, and the expanded portion cooperating with the depression to hold a tie in place on the device.

1,461,507. GASOLINE TANK AND FEED-LINE LOCK. NELSON PAUL WHITTIER, Beverly Hills, Calif. Filed Mar. 30, 1920. Serial No. 369,992. 2 Claims. (Cl. 251—7.)



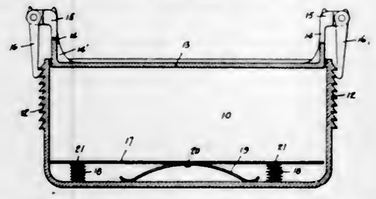
1. A tank having a rotatable closure cap, an outlet pipe, and a rotatable valve controlling the pipe, and means associated with the cap and valve for locking the two against rotation.

1,461,508. CULTIVATOR. GEORGE G. WORSTALL, Toms River, N. J. Filed Apr. 21, 1919. Serial No. 291,614. 1 Claim. (Cl. 97—192.)



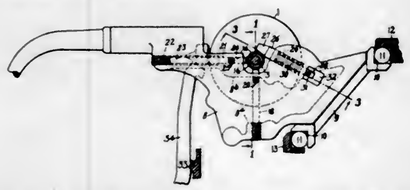
In a device of the class described, a cultivator comprising a frame and a ground wheel carried by the forward end of the frame; deflector rods mounted for free straight-line reciprocation on the frame, the rods converging in advance of the wheel, and being disposed at a pronouncedly acute angle to the horizontal whereby the rods may reciprocate freely as their forward ends ride along the soil.

1,461,509. HAM BOILER. HANS ADELMANN, New York, N. Y., assignor to Ham Boiler Corp., New York, N. Y., a Corporation of New York. Filed June 22, 1921. Serial No. 479,562. 3 Claims. (Cl. 100—57.)



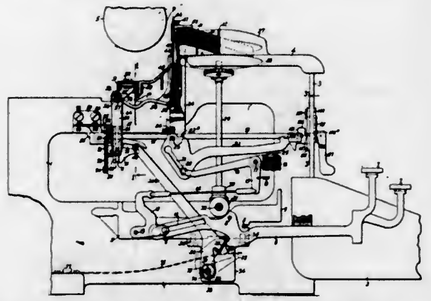
1. In a ham boiler, the combination with a receptacle constituting a mold for a ham or the like, of a cover fitted slidably within the receptacle for compressing the ham, said cover being provided with upwardly projecting standards, the upper ends of which extend outward beyond the upper edge of the receptacle, and engagement means for the receptacle pivoted to and depending from the outwardly projecting portions of the standards, the engagement members comprising hooks, each of which includes a knuckle pivoted to a standard, a catch member spaced below and movable relatively to the knuckle, and connecting means between the knuckle and the catch member providing for movement of the catch member resiliently with respect to the knuckle.

1,461,510. TYPEWRITING MACHINE. JOHN H. BARR, New York, N. Y., assignor to Remington Typewriter Company, Ilion, N. Y., a Corporation of New York. Filed Feb. 5, 1921. Serial No. 442,790. 21 Claims. (Cl. 197—145.)



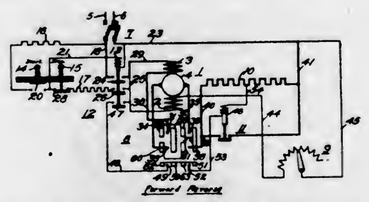
1. In a typewriting machine, the combination of a rotary platen, a platen axle, a platen carrier, and means for affording universal adjustment of the platen in a plane perpendicular to the platen axis and relatively to said platen carrier.

1,461,511. TYPEWRITING MACHINE. JOHN H. BARR, New York, N. Y., assignor to Remington Typewriter Company, Ilion, N. Y., a Corporation of New York. Filed May 14, 1921. Serial No. 469,461. 37 Claims. (Cl. 197—157.)



2. In a typewriting machine, the combination of a ribbon vibrator, printing keys, vibrating connections between said printing keys and said ribbon vibrator including a member provided with a slot straight throughout its entire length, and an actuator in engagement with said slot and operative during part of its movement while traversing said slot to actuate said member to move the vibrator to the printing point, said actuator being wholly self-guided and while moving in said slot during the latter part of its movement being substantially ineffective to move said member and said vibrator.

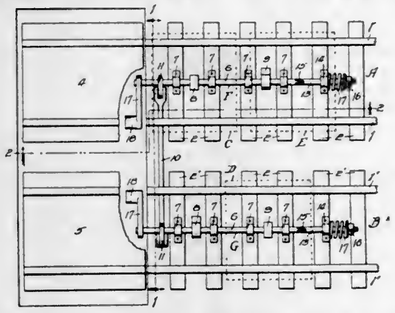
1,461,512. CONTROL SYSTEM. EDGAR M. BOUTON, Wilkinsburg, Pa., assignor to Westinghouse Electric & Manufacturing Company, a Corporation of Pennsylvania. Filed Sept. 17, 1920. Serial No. 410,906. 6 Claims. (Cl. 172—179.)



1. In a motor-control system, the combination with an electrical device, a switch for starting said device and means comprising an actuating coil for closing said switch, means for energizing said coil, means electrically connected to said device for maintaining said coil energized after the closing of said switch, and means for preventing the starting of said device through said maintaining means.

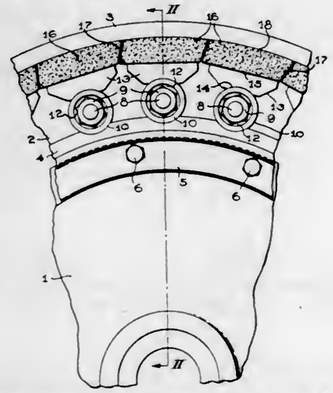
1,461,513. AUTOMATIC MINE-CAR CAGER. FERDINAND F. BRASCHE, Edwardsville, Ill., assignor of one-third to Charles Holding and one-third to William Palecek, both of Collinsville, Ill. Filed Nov. 25, 1921. Serial No. 517,673. 3 Claims. (Cl. 104—253.)

1. In a mine car cager, a plurality of bearings, a rocker shaft mounted in the bearings between the rails of an inclined track, said rocker shaft comprising two sections hingedly united near one end, a pair of car stops fixed to one section of the rocker shaft and positioned at an angle to each other so that one stop will lie out of car holding position when the other stop lies in car holding position, a crank member fixed to one end of the rocker shaft to be moved downwardly by a descending mine cage to move the car stop in car holding position out of car holding position and to simultaneously move the car stop out of car holding position



into car holding position and resilient means mounted upon one end of the rocker shaft and engaging one of the bearings and a nut carried by one end of the rocker shaft to adjust the tension of said spring.

1,461,514. GRINDING MACHINE. JAMES A. BURNS, Wilkinsburg, Pa., assignor to Westinghouse Electric & Manufacturing Company, a Corporation of Pennsylvania. Filed Jan. 25, 1922. Serial No. 531,626. 5 Claims. (Cl. 51—206.)

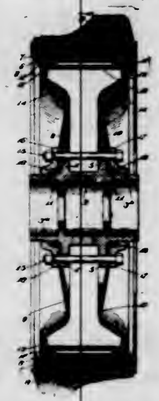


1. The combination in a face disc grinding wheel, of a plurality of angular abrasive blocks disposed near the outer periphery thereof and means for aligning and individually securing said blocks in their respective positions, said means comprising a plurality of screw chuck members mounted on said wheel, each including a clamping plate, a stud bolt an adjusting nut and a tapered wedge sleeve, said clamping plate having a plane surface for engaging said abrasive material and a tapered concave surface in engagement with said wedge sleeve.

1,461,515. METAL WHEEL. ROBERT J. BURROWS, Buchanan, Mich., assignor to Clark Equipment Company, Buchanan, Mich., a Corporation of Michigan. Filed May 14, 1919. Serial No. 297,101. 14 Claims. (Cl. 301—63.)

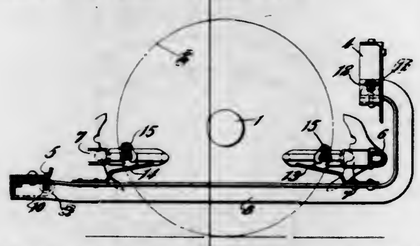
9. A metal wheel, comprising a hub having peripheral flanges between the ends thereof, metal discs adapted to fit against the outer faces of said flanges and having out-turned flanges adapted to bear upon the hub, inturned flanges at the outer margins of said discs, a rim

secured to said in-turned flanges, said discs having radial portions adjacent to said in-turned flanges and inwardly-inclined portions extending from said radial portions, forming a box-like rim structure, separable collars fitted



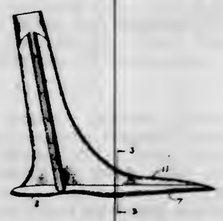
upon the end portions of the hub and bearing against the outer faces of said discs, said collars having recesses which receive said out-turned flanges and means securing said collars to said discs and to said peripheral flanges.

1,461,516. SUPPORT FOR CLASP BRAKE BEAM. EDWIN G. BUSSE, Chicago, Ill., assignor to Chicago Railway Equipment Company, Chicago, Ill., a Corporation of Illinois. Filed Aug. 31, 1922. Serial No. 585,511. 13 Claims. (Cl. 188—213.)



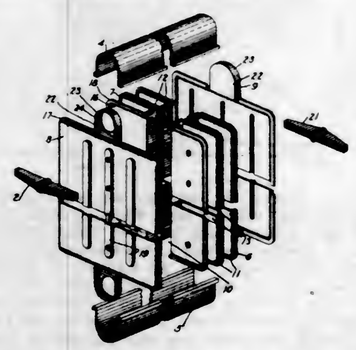
5. In a clasp brake arrangement, a common third or fourth point support for both brake beams applied to the same pair of wheels.

1,461,517. SHOEMAKER'S REPAIR FORM. ROSARIO CASTROGIOVANNI, Brooklyn, N. Y. Filed Oct. 26, 1921. Serial No. 510,490. 1 Claim. (Cl. 12—123.)



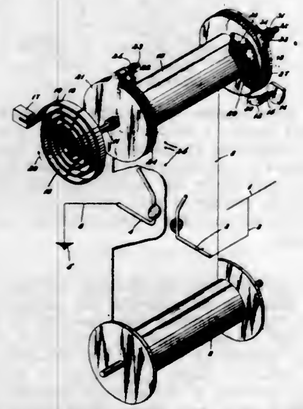
In a form of the class described, a sole or base portion substantially flat, producing in elevation substantially a straight line both transversely and longitudinally, and a heel portion therefor also substantially flat, and having a pointed toe portion, a reinforcing web of slight projection from the toe to the shank turning sharply substantially at the instep thereof and in combination side webs extending upwardly from said base to a point beyond the ankle.

1,461,518. TRANSFORMER RADIATOR. WALTER M DANN, Wilkinsburg, Pa., assignor to Westinghouse Electric & Manufacturing Company, a Corporation of Pennsylvania. Filed Mar. 14, 1921. Serial No. 452,357. 8 Claims. (Cl. 257—139.)



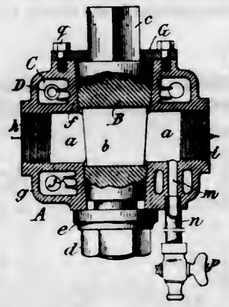
2. A radiator comprising a main chamber enclosed by spaced top and bottom members and two parallel side walls disposed intermediate said members and attached thereto, said side walls severally comprising a plurality of separate members of substantially U-shape disposed in side-by-side relation the adjacent edges of which are welded together to form auxiliary chambers closed on three sides and communicating with said main chamber.

1,461,519. DISCHARGE-INDICATING DEVICE. OTTO H. ESCHHOLZ, Wilkinsburg, Pa., assignor to Westinghouse Electric & Manufacturing Company, a Corporation of Pennsylvania. Filed May 14, 1921. Serial No. 469,676. 14 Claims. (Cl. 234—1.)



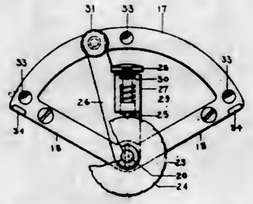
1. In combination with a lightning arrester comprising two spaced discharge members, a discharge-recording member disposed intermediate said discharge members and means dependent upon variations in the atmospheric temperature for moving said discharge-recording member.

1,461,520. VALVE OR COCK. WALTER A. FORMAN, Brooklyn, N. Y. Filed Nov. 17, 1917. Serial No. 202,490. 6 Claims. (Cl. 251—91.)



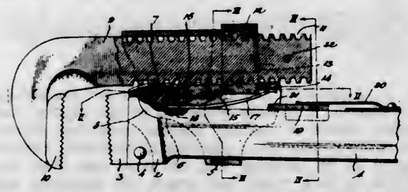
1. A jacketed valve for controlling flow of normally solid or semi-solid material, having a heating jacket surrounding the plug chamber and outlet, with its casing having a drainage duct from the lower part of the valve passage adjacent the valve chamber, and in heat-conducting contact with said jacket adapted to drain off the contents of said passage when the valve is closed to prevent the solidifying of the material and avoid the locking fast of the plug.

1,461,521. CARBURETOR-CONTROLLING DEVICE. FRANK FORNEY and ROBERT H. HOFF, Detroit, Mich. Filed Oct. 31, 1921. Serial No. 511,637. 1 Claim. (Cl. 74—39.)



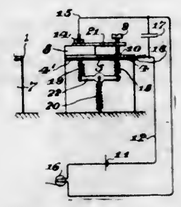
In a carburetor controlling device an instrument-board base comprising an arc shaped indexing strip with indexing indentations therein, united by radial strips at its ends with a central boss, a shaft turning in said boss and connected at one end to the needle valve of a carburetor and having a dial disc fast upon the other, and an operating lever pivoted upon the said shaft, said lever being provided with a latch pin engaging said dial disc and also provided with an index pin engaging the indentations of the said arc shaped indexing strip; the said base being provided also with raised stops in the path of motion of the said operating lever.

1,461,522. COMBINED PIPE AND NUT WRENCH. GEORGE FORTON, Detroit, Mich. Filed Sept. 21, 1922. Serial No. 589,523. 1 Claim. (Cl. 81—105.)



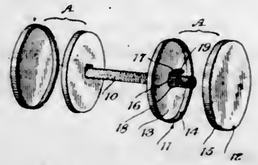
A wrench comprising a handle bar having a jaw, a strap embracing said handle bar and pivotally connected thereto, a shank slidable in said strap and provided with a jaw confronting the jaw of said handle bar, means between said handle bar and said shank maintaining said shank normally tilted relative to said handle bar, a nut in said strap in threaded engagement with said shank and adapted for shifting said shank relative to the strap, and a latch slidable on said handle bar into said strap and adapted to prevent tilting of said strap relative to said handle bar.

1,461,523. LIGHT-CONTROLLED MEANS FOR OPENING AND CLOSING AN ELECTRIC CIRCUIT. FRANS JOEL FRANSSON, Stockholm, Sweden, assignor to American Gas-Accumulator Company, Elizabeth, N. J., a Corporation of New Jersey. Filed Sept. 15, 1922. Serial No. 588,307. 12 Claims. (Cl. 200—138.)



3. An electric circuit controlling means comprising two yielding flat strips supported in spaced relation to each other, said strips being situated in substantially the same plane, contacts carried by said strips and means whereby the alternate action of light and darkness on said strips causes movement thereof to control said contacts.

1,461,524. CUFF BUTTON. CHARLES ALLEN GODDARD, Cheshire, Conn., assignor to The Ball and Socket Manufacturing Company, West Cheshire, Conn., a Corporation of Connecticut. Filed Dec. 5, 1922. Serial No. 604,985. 5 Claims. (Cl. 24—102.)

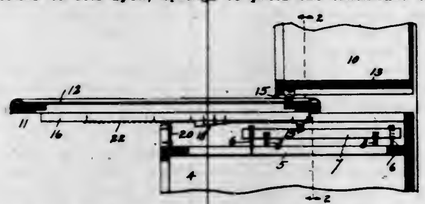


1. The method of manufacturing cuff buttons consisting in passing the free extremities of an elastic member through openings in the backs of the buttons, bending downwardly against the protruding extremities of the elastic member inwardly extending tongues to thereby cause the tongues to engage and anchor the elastic member to the button backs and in so doing to cause the protruding extremities of the elastic members to bend and lie against the inner wall of the button backs and then assembling upon the said inner wall suitable cover members.

1,461,525. SLIDING MOLDBOARD FOR CABINETS. HARRY A. HALL, Newcastle, Ind., assignor to Hoosier Manufacturing Company, Newcastle, Ind., a Corporation of Indiana. Filed Aug. 14, 1922. Serial No. 581,621. 6 Claims. (Cl. 45—16.)

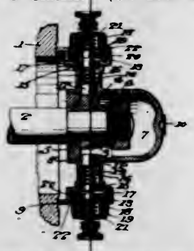
6. In a kitchen cabinet, a base, a superstructure, a mold-board on the base slidable in and out under the superstructure, roller-bearings between the superstructure and mold-board fixed to the superstructure, roller-

bearings under the mold-board fixed to the mold-board, movable track-bars under the mold-board for the last rollers to roll upon, springs to press the track-bars to-



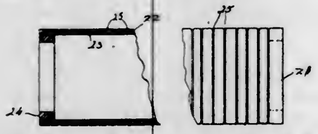
ward the mold-board, and means for holding the mold-board against sliding adjustment at any position of its range in use.

1,461,526. SPARK TIMER. GUSTAVE L. HERZ, New York, N. Y., assignor, by mesne assignments, to Ely Bernays, New York, N. Y. Filed Oct. 11, 1921. Serial No. 507,060. 3 Claims. (Cl. 200—27.)



2. An engine casing, a rotary cam having a concentric portion, a rotatively adjustable housing and contact pieces carried thereby, said housing having an inner circular flange mounted on the concentric portion of the cam, and an outer circular flange pressing against the casing whereby the housing is centered with respect to the axis of rotation of the cam and is positioned longitudinally with respect to the cam, said housing also having a central chamber for receiving the cam.

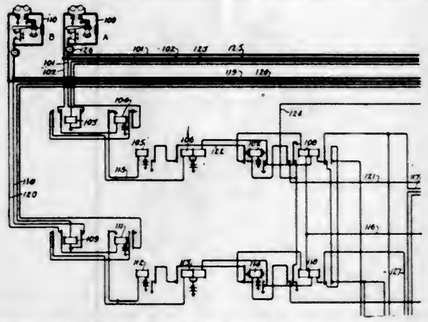
1,461,527. RUBBER APRON FOR CARDING MACHINES. THOMAS H. HUNTER and GEORGE W. HUNTER, Philadelphia, Pa. Filed July 10, 1919. Serial No. 311,249. 2 Claims. (Cl. 19—153.)



1. A rubber apron comprising a rubber body, a canvas backing fixed to the inner face of said body, and rubber flanges located at each edge of the apron and fixed to the inner face of said canvas backing.

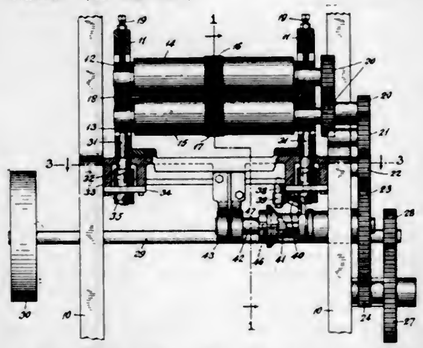
1,461,528. AUTOMATIC SWITCH. FRANK S. IRVINE, Huntington, N. Y., assignor to Western Electric Company, Incorporated, New York, N. Y., a Corporation of New York. Filed Sept. 22, 1920. Serial No. 411,880. 9 Claims. (Cl. 179—18.)

1. In a telephone system, subscribers' lines arranged in a plurality of groups, automatic switches arranged in a plurality of groups for serving all of said lines, and arranged to be taken for use in a given order, each group of switches arranged to serve as first choice a different one of said groups of lines, means responsive to a call in any group of lines to operate an automatic switch in the group normally serving such group of lines as first choice, means for operating a switch in another group when all the switches normally serving as first choice the group of lines containing the calling line are busy, a



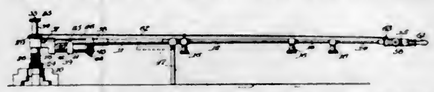
preference device for changing the order in which the switches of a group are to be taken for use, and means responsive to the operation of a switch for operating said device whether the operated switch is taken to serve its first choice group of lines or another group.

1,461,529. TOBACCO-LEAF MACHINE. GRAHAM H. JACKSON, Newark, N. J., assignor to Universal Tobacco Machine Co., New York, N. Y., a Corporation of New York. Filed Dec. 24, 1921. Serial No. 524,675. 7 Claims. (Cl. 131—57.)



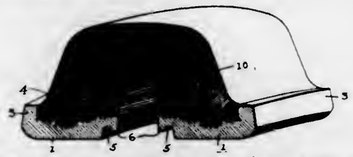
1. In a tobacco leaf-treating machine, the combination of stem-treating rolls and means for automatically moving one of said rolls out of operative relation with the other at a predetermined point in the treatment operation.

1,461,530. DRAFTING INSTRUMENT. JOZEPH A. KAMINSKI, Chicago, Ill. Filed Dec. 20, 1920. Serial No. 431,829. 5 Claims. (Cl. 33—27.)



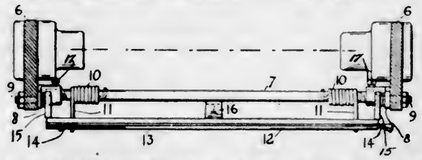
1. In a device of the class described the combination of a support, a member connected to the support, said member having a marking element connected thereto, said member including a plurality of telescopic members adapted to be extended and retracted and held with relation to each other, and means for adjusting said elements relatively to the support when said telescopic members are held together.

1,461,531. METHOD OF MAKING CUSHION-TIRE STRUCTURES. FRED R. KLAUS and FRANK H. MEYER, Warren, Ohio. Filed Feb. 2, 1923. Serial No. 616,510. 11 Claims. (Cl. 29—159.)



1. The method of making a tire base or rim which comprises forming complementary locking means on endless annular side sections and an endless ring of smaller diameter, and stretching said ring into engagement with said side sections.

1,461,532. CUTTER BAR FOR LAWN MOWERS. EDWIN C. LAND, Mahwah, N. J. Filed Mar. 5, 1921. Serial No. 449,714. 5 Claims. (Cl. 56—294.)



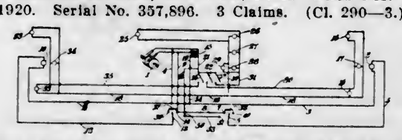
3. In a lawn-mower having a cutting reel, a transverse member, a wire coiled at one end to form a spring and secured to the transverse member adjacent to each side frame, and a lower blade lifted at each end by the ends of the spring wires by an upward movement of their ends.

1,461,533. HAIR CURLER. ORA D. MCCLINTOCK, San Francisco, Calif. Filed Oct. 10, 1921. Serial No. 506,541. 2 Claims. (Cl. 132—43.)



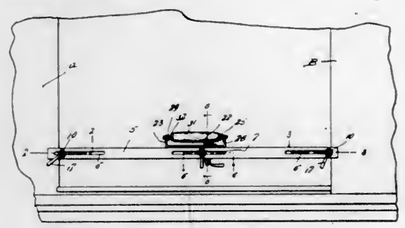
1. A hair curler comprising a rubber covered hair-pin member of soft wire provided with a medial loop, and a piece of rubber tubing adapted to surround the ends of said hair-pin member and be engaged thereon by returning the ends of said hair-pin member.

1,461,534. STEAM-LOCOMOTIVE LIGHTING SYSTEM. ALEXANDER MCGARY, New York, N. Y. Filed Feb. 11, 1920. Serial No. 357,896. 3 Claims. (Cl. 290—3.)



1. A steam locomotive lighting system having in combination an alternating current generator driven by steam from the locomotive one or more headlights fed by the generator at the generator voltage, a step down transformer also connected to the generator and locomotive lights connected to be supplied from the generator through said transformer at a relatively low voltage, and means whereby said one or more headlights may be supplied at relatively low voltage from said transformer to dim the same.

1,461,535. CAR-DOOR ROLLER. CHARLES MCGOWAN, GUSTAF PETERSON, and ARTHUR A. LUND, Susanville, Calif. Filed Dec. 18, 1922. Serial No. 607,573. 2 Claims. (Cl. 193—42.)



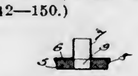
1. A device of the class described comprising a supporting bar of channel form having longitudinally extending elongated slots in the web thereof and at its ends, bolts extending through and slidably disposed in said slots and having nuts threaded upon the outer ends thereof, said bolts being provided with laterally extending inner ends forming clamping arms, a block slidably disposed in the channel of the supporting bar and projecting beyond the free longitudinal edges of the flanges of said supporting bar, said supporting bar having a further central longitudinally extending elongated slot in the web thereof, a bolt extending through the last named slot and through said block, a nut upon the outer end of the bolt for adjustably clamping the block against sliding movement, and a roller supporting bracket pivotally mounted on said block.

1,461,536. YARN-TENSION DEVICE. JOHN O. MCKEAN, Westfield, Mass., assignor to Foster Machine Company, Westfield, Mass., a Corporation of Massachusetts. Filed Oct. 21, 1921. Serial No. 509,249. 8 Claims. (Cl. 242—150.)



1. A tension device for stop motions including a suitable yarn support carried by the stop motion drop arm, and a gravity operated non-metallic tension disc having substantially the softness of hard fibre, normally resting on said support.

1,461,537. YARN-TENSION DEVICE. JOHN O. MCKEAN, Westfield, Mass., assignor to Foster Machine Company, Westfield, Mass., a Corporation of Massachusetts. Filed Oct. 21, 1921. Serial No. 509,250. 8 Claims. (Cl. 242—150.)

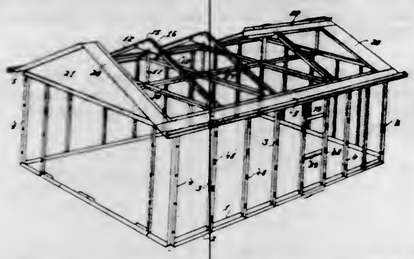


1. A tension disk having a yarn contact surface of a metal having substantially the softness of lead.

1,461,538. SHEET-METAL BUILDING. ANGUS MCKENZIE, Canton, Ohio, assignor to United Alloy Steel Corporation, New York, N. Y., a Corporation of New York. Filed May 15, 1918, Serial No. 234,790. Renewed Dec. 13, 1922. 6 Claims. (Cl. 189—2.)

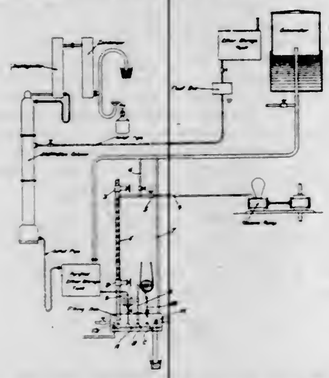
6. In a knock down building of the character described, the combination with an angle iron base, of studs mounted

upon said base, a plurality of similar sheets forming the outer walls of the building, each sheet being of a width to extend from one stud to the next adjacent stud, a plurality of similar sheets forming the inner walls of the building, reinforcing frames provided upon said inner



sheets, trusses carried at the upper extremities of said studs, an inverted channel member connected to one of said trusses, a channel member connected to the base beneath said truss and a partition wall carried between said channels.

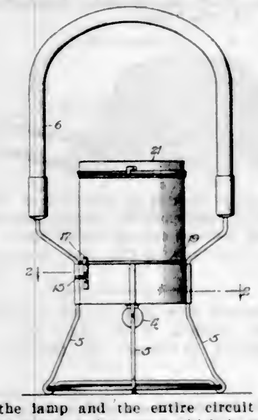
1,461,539. METHOD OF PURIFYING AND PACKAGING ETHER. EDWARD MALLINCKRODT, Jr., St. Louis, Mo., assignor to Mallinckrodt Chemical Works, St. Louis, Mo., a Corporation of Missouri. Filed Mar. 18, 1921. Serial No. 453,285. 7 Claims. (Cl. 226—68.)



2. The method of preparing and packaging ether which consists in establishing a vacuum about and within the containers, then establishing an atmosphere of gas containing no free oxygen, then removing all air from a body of ether, filling the containers with the air-free ether, hermetically closing the containers and maintaining the atmosphere of gas containing no free oxygen during the filling and closing steps.

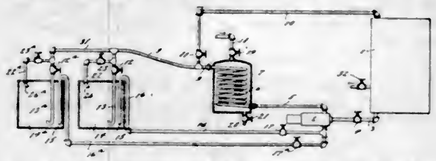
1,461,540. ELECTRIC LANTERN. THOMAS MEE, Jr., Clinton, Ill. Filed June 9, 1921. Serial No. 476,172. 5 Claims. (Cl. 240—8.5.)

1. In an electric lantern, the combination of a receptacle open at the top thereof and having a fixed bottom provided with a socket, a lamp screwed into said socket to hang in fixed position from said bottom, a frame forming a supporting base for said receptacle and serving as a guard for said lamp, an inverted battery in said receptacle, instrumentalities to support said battery and whereby the insertion thereof upside down in said receptacle serves to establish a circuit connection from the lower end of the battery to said lamp, with said bottom forming part of the circuit, a slide switch movable up and down on the side of said receptacle to control the circuit of the lamp, means to normally hold said switch in raised



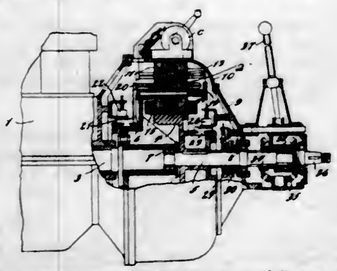
position, the lamp and the entire circuit thereof being under the battery, and a cover which is removable from the top of the receptacle without affecting said circuit.

1,461,541. HEATING SYSTEM. BERNARD MILLS, Brooklyn, N. Y., and REUBEN R. ROW and HOWARD C. DAVIS, Elizabeth, N. J., assignors to Row & Davis, Engineers, Inc., a Corporation of Delaware. Filed Jan. 24, 1921. Serial No. 439,644. 6 Claims. (Cl. 126—344.)



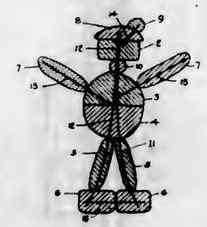
1. In a heating device, the combination of a heater, means forcibly circulating a mobile liquid through the heater repeatedly, a storage tank for congealed liquids, a pipe opening into the tank and having on its outlet a hydraulic tourniquet device, and means for diverting variable portions of the circulating liquid through the said tourniquet device so as to provide a shifting jet having a considerable velocity to impinge upon the congealed contents of the storage tank and break up, disintegrate, and render mobile a portion of the contents and carry it into the circulating liquid.

1,461,542. DYNAMO-ELECTRIC MACHINE. ALFONS H. NEULAND, Jersey City, N. J. Filed Aug. 24, 1920. Serial No. 405,577. 21 Claims. (Cl. 172—239.)



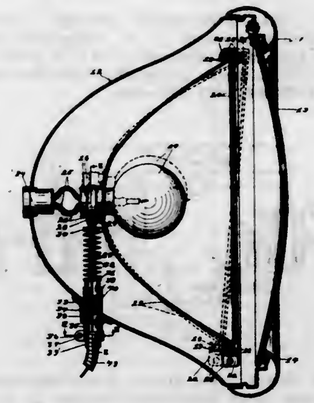
2. A dynamo-electric machine comprising a rotative armature including a commutator and winding, a rotative field member including a commutator and winding and a set of polyphase brushes wiping each commutator.

1,461,543. CANDY NOVELTY. JULIA R. PETTIT, Montclair, N. J., assignor to Huyler's, New York, N. Y., a Corporation of New York. Continuation of application Serial No. 500,326, filed Sept. 13, 1921. This application filed Oct. 25, 1922. Serial No. 596,757. 4 Claims. (Cl. 46—40.)



4. A candy figure representing an animate object comprising a plurality of pieces of candy having suitable configurations to represent the head, body, legs and feet, said feet being adapted to support the object in upright position, wholly concealed means passing at least through the feet, legs and into the body portion to support same in fixed predetermined relationship, and means for securing other parts to said head and body.

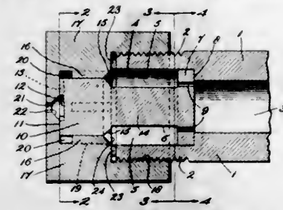
1,461,544. HEADLIGHT. TRUMAN W. POST, Providence, R. I., assignor to Electric Autolite Corporation, Toledo, Ohio, a Corporation of Delaware. Filed Sept. 12, 1917. Serial No. 190,977. 19 Claims. (Cl. 240—41.)



6. A device of the class described, comprising the combination of a casing; a reflector pivotally mounted therein; means for moving said reflector; and a single stop for limiting the movement of said reflector in both directions.

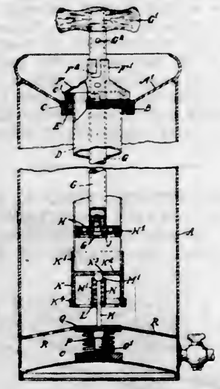
1,461,545. MECHANICAL PRESSURE ATOMIZING FUEL BURNER. WILLIAM R. PURNELL, Philadelphia, Pa. Filed June 4, 1921. Serial No. 475,143. 6 Claims. (Cl. 299—120.)

1. In a mechanical pressure atomizing fuel burner the combination of a burner pipe provided with a chamber; a tip member provided with a recess having lugs and a passage between said lugs and with an orifice communicating with said recess, secured to said pipe; and a plug member provided with an enlarged end portion having a circular recess constituting a whirling chamber, and a passage tangential to the periphery of said circular recess, communicating with said first mentioned recess, said lugs being adapted to engage said enlarged end portion to position said plug member and said plug member also pro-



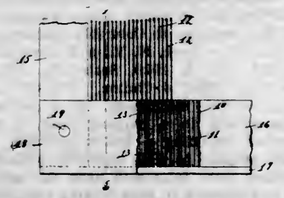
vided with a plurality of passages disposed parallel to the axis of said pipe and entering said chamber from said pipe, substantially as described.

1,461,546. APPARATUS FOR SPRAYING LIQUIDS BY COMPRESSED AIR. ROBERT ROBERTSON, London, England, assignor of one-half to Frank Hale Austin, Audlem, Chester, England. Filed June 17, 1920, Serial No. 389,693. Renewed May 31, 1923. 4 Claims. (Cl. 299—96.)



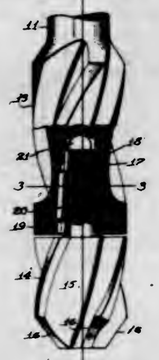
1. In a spraying apparatus wherein a pump is mounted in a container and has an outlet valve to establish communication between said pump and the container an agitator in said container operatively connected to said outlet valve to be actuated thereby in one direction when said outlet valve is opened, and means in said container adapted to actuate the agitator in an opposite direction.

1,461,547. REED FOR LOOMS. PAUL A. WAGNER, Jersey City, N. J. Filed Sept. 23, 1921, Serial No. 502,641. Renewed Dec. 9, 1922. 5 Claims. (Cl. 139—91.)



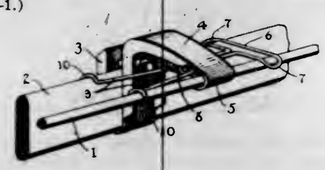
1. In a reed, a holder having grooves therein, dent-ends received in said grooves, and means formed by offsetting a portion of each dent-end for frictionally engaging such end with the walls of its groove.

1,461,548. METAL-WORKING TOOL. CLAUDE A. WEST, Detroit, Mich. Filed May 5, 1921. Serial No. 466,870. 3 Claims. (Cl. 279—9.)



1. A drive for metal working tools comprising in combination, a member provided with a tapered circular socket and with a bore extending longitudinally of the socket, the bore cutting through one side of the socket with a major portion of the bore circumference lying outside the socket circumference, a member having a tapered shank to fit said socket and provided with a longitudinal groove, and a key of circular form in cross-section fitting within the bore and held therein by engagement therewith with a side portion thereof projecting into said socket to engage and fit within the groove in the shank.

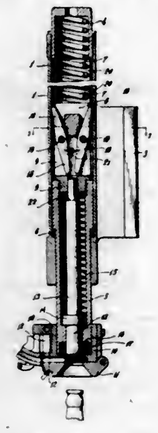
1,461,549. ANTIRATTLER. FLOYD G. WITHROW and HAROLD O. VAN ANTWERP, Grand Rapids, Mich.; said Van Antwerp assignor to said Withrow. Filed Nov. 12, 1921. Serial No. 514,836. 5 Claims. (Cl. 188—1.)



1. The combination with a brake rod and radius rod extending substantially parallel and a supporting member fixed to the radius rod and having an eye through which the brake rod extends of an anti-rattler engaging both the radius rod and brake rod adjacent the supporting member and exerting a pressure on the brake rod to press it against one surface of said eye.

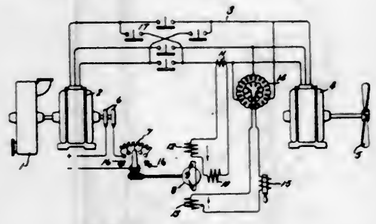
1,461,550. COMPENSATING MECHANISM FOR BOTTLE-CAPPING MACHINES. CARL WALKER KENDALL, Glenside, Pa., assignor to Columbia Machine and Stopper Co. Inc., New York, N. Y., a Corporation of New York. Filed June 4, 1920. Serial No. 386,614. Renewed June 1, 1923. 4 Claims. (Cl. 226—84.)

1. A compensating mechanism for a bottle capping machine comprising, in a capping head, a main supporting member including a hollow cylinder, a cap-applying piston adapted to slide upwardly within said cylinder, a locking lever fulcrumed upon the upper end of said piston and adapted to have locking engagement with said cylinder thereby positively to lock said piston against upward movement in said cylinder, a bottle-ejecting plunger within said piston and adapted at its lower end to be engaged by the capped end of the bottle to be moved upwardly thereby and adapted at its upper end to engage with and release said locking lever upon a predetermined extent of movement of said bottle end into said throat, a restoring spring to return said piston



to the cap-applying position, and a bottle-ejecting spring for said plunger for ejecting the capped bottle, and a restoring spring for the locking lever for moving it to the locking position.

1,461,551. SHIP-PROPULSION SYSTEM. CAMPBELL MACMILLAN, Schenectady, N. Y., assignor to General Electric Company, a Corporation of New York. Filed Sept. 19, 1921, Serial No. 501,651. Renewed May 10, 1923. 3 Claims. (Cl. 171—119.)

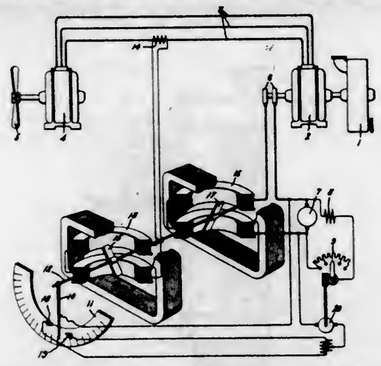


1. In an electric power system of the class described, an adjustable speed generating machine of the synchronous type, a load driving dynamo electric machine supplied thereby, means for controlling the excitation strength of one of said machines, a commutator type dynamo electric machine having a freely rotatable element connected to operate said excitation controlling means, said commutator machine comprising a winding connected in series relation with said generator and an opposing winding connected to respond to the voltage of said generator and means in the circuit of said voltage winding to render the current therein substantially independent of changes in generator voltage due to changes in speed.

1,461,552. SHIP-PROPULSION SYSTEM. ALBERT H. MITTAG, Schenectady, N. Y., assignor to General Electric Company, a Corporation of New York. Filed Sept. 19, 1921. Serial No. 501,652. 5 Claims. (Cl. 172—8.)

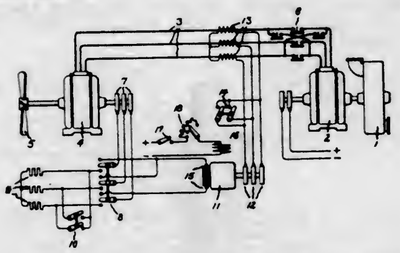
1. In an electric power system wherein a variable speed synchronous generator is arranged to supply operating

current to an alternating current work motor, stability responsive means comprising a pair of coils arranged



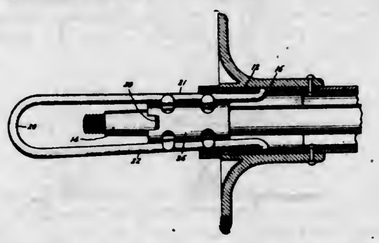
to produce opposing effects and connected respectively in series relation with the work motor and generator field circuit.

1,461,553. ELECTRIC SHIP PROPULSION. ALBERT H. MITTAG, Schenectady, N. Y., assignor to General Electric Company, a Corporation of New York. Filed Sept. 24, 1921. Serial No. 502,925. 4 Claims. (Cl. 172—8.)



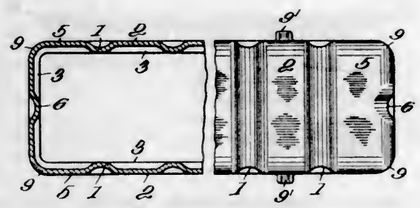
1. An electric ship propulsion system comprising an adjustable speed synchronous generator, a propeller driving motor provided with an armature having a phase winding adapted to be supplied with direct current for synchronous operation, a rotary converter having its alternating current end connected in series relation between said generator and motor and means for connecting the direct current end of said rotary converter to said phase winding for synchronous operation of said propeller motor.

1,461,554. BUSHING EXTRACTOR. ANDREW RAFFAY, Schenectady, N. Y. Filed Apr. 3, 1922. Serial No. 549,067. 12 Claims. (Cl. 29—88.)



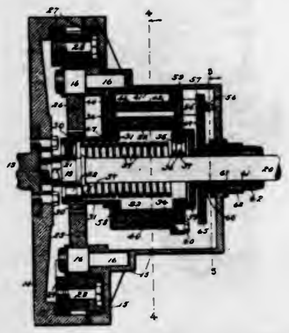
1. A bushing extractor comprising a pulling tool having a hook end adapted to engage the bushing, and a sleeve movable along the said tool toward the hook end thereof and adapted to be slid over the axle spindle for holding the hook end of the pulling tool in locking engagement with the bushing.

1,461,555. CAST-METAL ANNEALING BOX. EMIL C. RAUSCHENBERG, Wheeling, W. Va., assignor to Wheeling Mold & Foundry Co., Wheeling, W. Va. Filed Dec. 28, 1922. Serial No. 609,415. 5 Claims. (Cl. 263—49.)



1. A cast metal annealing box having its body portion provided with depressed corrugations extending upward and continuous across the center of its top, said depressions being separated by straight stiffening portions.

1,461,556. VARIABLE-SPEED TRANSMISSION. JOHN REECE, Boston, Mass., assignor to Reece Transmission Company, Boston, Mass., a Corporation of Maine. Filed Mar. 11, 1920. Serial No. 364,897. 9 Claims. (Cl. 74—34.)

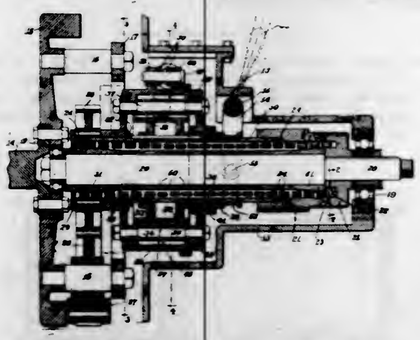


1. In combination, a driving member, an intermediate member actuated from the driving member, and a driven member actuated from the intermediate member, the intermediate member comprising a rotatable piston, a stationary cylinder co-operating with said piston, a liquid connection between said piston and cylinder, and means for holding said liquid against rotation in one direction and permitting it in the other.

1,461,557. POWER TRANSMISSION. JOHN REECE, Boston, Mass., assignor to Reece Transmission Company, Boston, Mass., a Corporation of Maine. Filed Jan. 25, 1922. Serial No. 531,591. 7 Claims. (Cl. 74—34.)

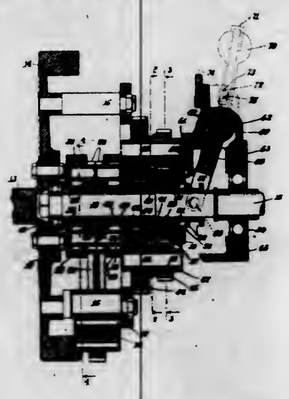
1. A variable speed transmission apparatus comprising in combination, a rotating driving member, a yielding and reasserting device carried on said driving member, a rotatable driven member, and a train of connec-

tions, between said device and the driven member, including a one-way device controlling the same, where



by rotation is transmitted through said first device, in one direction only, to the driven member, and means for cushioning the action of said one-way device.

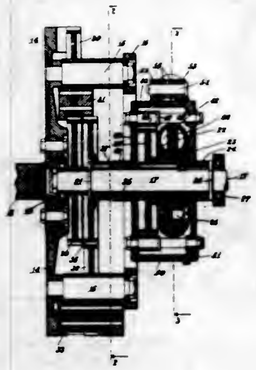
1,461,558. POWER-TRANSMISSION APPARATUS. JOHN REECE, Boston, Mass., assignor to Reece Transmission Company, Boston, Mass., a Corporation of Maine. Filed Jan. 25, 1922. Serial No. 531,592. 9 Claims. (Cl. 74—34.)



1. A variable speed transmission apparatus comprising in combination with the rotating driving and driven members, a yielding and reasserting device arranged to be carried around with said driving member, operating to yield in one phase and reassert itself in the next phase, when the driving and driven members are rotating at different speeds, connections between said device and the driven member for rotating the latter during the first phase, and other connections for rotating the latter in the same direction during the second phase.

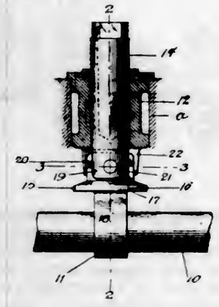
1,461,559. POWER-TRANSMISSION APPARATUS. JOHN REECE, Boston, and FRANKLIN A. REECE, Brookline, Mass., assignors to Reece Transmission Company, Boston, Mass., a Corporation of Maine. Filed Jan. 25, 1922. Serial No. 531,593. 9 Claims. (Cl. 74—34.)

1. A variable speed transmission apparatus comprising in combination, a rotating driving member, a yielding and reasserting device carried on said driving member, a rotatable driven member, a train of connections, between said device and the driven member, including a one-way control means controlling the same, whereby rotation is transmitted through said device, in one direction only, to



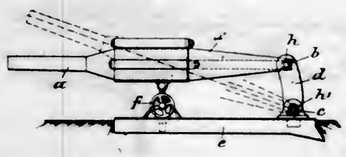
the driven member, and a second such device and connections for transmitting to the driven member when the first device is not transmitting.

1,461,560. VALVE TAPPET FOR INTERNAL-COMBUSTION ENGINES. GEORGE R. RICH, Los Angeles, Calif. Filed Sept. 23, 1922. Serial No. 590,026. 9 Claims. (Cl. 123—90.)



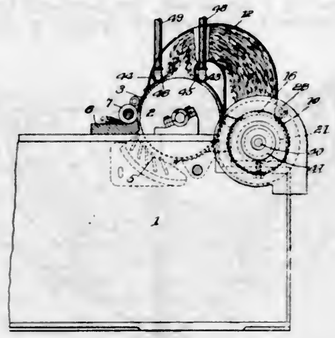
1. A valve tappet, comprising a tappet body and a separate tappet head swiveled thereto on a line running crosswise of an associated cam shaft, whereby the head may adjust itself to engage the cam squarely across its face.

1,461,561. RECOIL GUN. HEINRICH ROMBERG, Dusseldorf, Germany, assignor to the Firm Rheinische Metallwaaren- und Maschinenfabrik, Dusseldorf-Derendorf, Germany. Filed June 28, 1921. Serial No. 481,062. 2 Claims. (Cl. 89—37.)



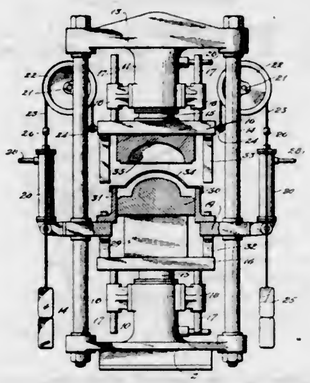
1. The combination of a recoiling barrel, a cradle therefor, trunnions for the cradle, a platform for supporting the cradle and provided with bearings to which the trunnions may be attached and an intermediate member insertable between the platform and cradle and connected to the trunnion and bearings.

1,461,562. COTTON-CLEANING MACHINE. ELWIN HOLBROOK ROONEY, Providence, R. I. Filed Apr. 28, 1920. Serial No. 377,180. 7 Claims. (Cl. 19—105.)



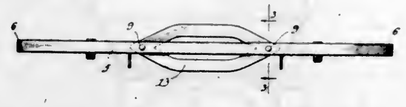
4. In a machine of the character described, the combination of a cleaning cylinder, means to deliver the stock thereto, means to co-act with the cylinder to effect the cleaning of the fibre and means to transfer the fibre from said cylinder comprising means for direction air currents tangentially to the circumference of the cylinder into contact with the fibres and in opposed relation and a transfer chute having an entry opening into which the opposed air currents converge.

1,461,563. WARE-MOLDING APPARATUS AND PROCESS. VICTOR E. SCHMIEDEKNECHT, Louisville, Ky. Filed Oct. 13, 1922. Serial No. 594,392. 6 Claims. (Cl. 25—27.)



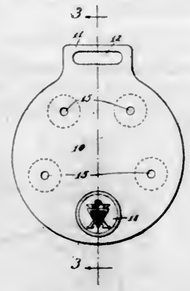
1. That process of forming articles of plastic material which consists in spreading the material over a die through a recticulated depth gauge, striking off the excess material above the depth gauge, removing the depth gauge, bringing an upper die into contact with said material and forcing said dies toward each other.

1,461,564. BUMPER. LEWIS F. STAFFORD, Chicago, Ill., assignor to Stafford Spring Guard Co., Chicago, Ill., a Corporation of Illinois. Filed Nov. 21, 1921, Serial No. 516,729. Renewed May 29, 1923. 6 Claims. (Cl. 293—55.)



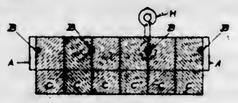
1. A bumper comprising an impact member, arms extended therefrom for attachment to a vehicle, a supplementary member having means for attachment to a vehicle and the central portion whereof extends parallel and adjacent the corresponding portion of the impact member, and an element of greater width than the impact member interposed between the latter and said supplementary supporting member and secured to said members.

1,461,565. ATHLETE'S MEDAL. CHARLES J. VELTE, Waterbury, Conn. Filed Dec. 28, 1922. Serial No. 609,459. 6 Claims. (Cl. 40—1.6.)



1. In an athlete's medal, a disk having a plurality of perforations, and a plurality of ornamental panels adapted to be detachably secured in said perforations to indicate the achievements of said athlete in various branches of sport or other activities.

1,461,566. BAFFLE BLOCK AND COMBUSTION-CHAMBER TOP. RUFUS D. WADLEIGH, Old Town, Me. Filed Apr. 30, 1921. Serial No. 465,714. 2 Claims. (Cl. 110—99.)

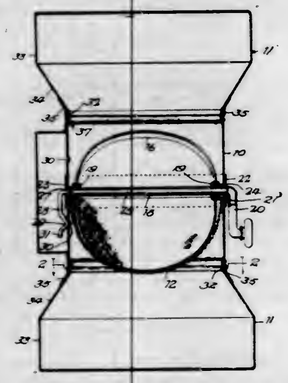


1. A baffle block consisting of the combination of a frame; a plurality of non-combustible brick, each having a transverse slot upon one of its faces; bolts passing through said slots and the sides of said frame; and means of detachably hanging said blocks to an overhead support.

1,461,567. FLOUR SIFTER. HARRIETT V. WHEELER, Chicago, Ill. Filed Oct. 5, 1921. Serial No. 505,486. 7 Claims. (Cl. 83—60.)

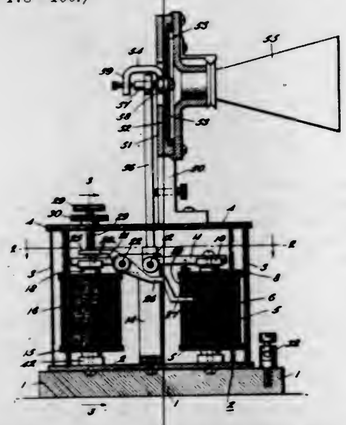
1. A sifter utensil comprising a container open at its end and adapted to be endwise reversed, a reversible sifter and a rotary beater therein, a measuring cup and closure fitted over the open end of said container, said measuring cup and closure embracing a closed end por-

tion of greater diameter than the container and a tapered portion which telescopes in the open end of the



container, and a handle for the container positioned within the circumferential outline of the larger diameter of the measuring cup.

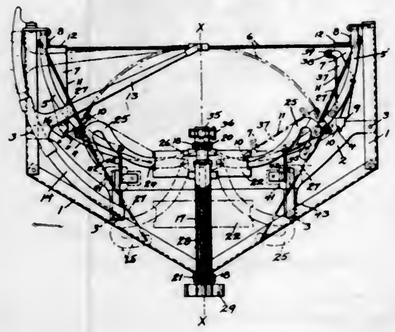
1,461,568. TELEGRAPHIC RECEIVING INSTRUMENT. CHARLES ADAMS-RANDALL, New York, N. Y. Filed Sept. 27, 1920. Serial No. 412,944. 5 Claims. (Cl. 178—100.)



1. In a telegraphic receiving instrument, the combination of an electro-magnet; an armature for said magnet; a second electro-magnet; a second armature for said last named magnet; separate pivots for said armatures; a vertical pivot around which said second magnet may revolve to adjust its attraction for said second armature; a spring to hold said second magnet in its new position after having been moved around said vertical pivot; a lever mounted on the pivot of said second armature; an adjusting screw for one end of said lever; and a spring located between said first named armature and the other end of said lever, substantially as described.

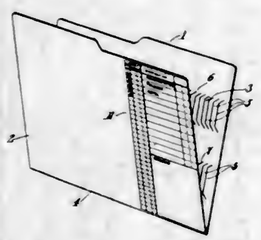
1,461,569. CIRCLE-GAUGING INSTRUMENT. HERBERT J. ADAMS, Battle Creek, Mich. Filed June 7, 1920, Serial No. 387,241. Renewed May 28, 1923. 19 Claims. (Cl. 33—177.)

6. In a circle gauging instrument, the combination of a framework embracing right and left guides and a channel in line directed midway between the guides; a normally straight flexible bar and a pair of arms fastened to its ends and projecting perpendicularly therefrom and provided with lugs affording them sliding engagement with the guides for carrying the arms towards each other and so guided throwing the bar into uniform curves upon its being sprung, for gauging and ruling circles in series of limited range; a transverse plate and means affording it sliding engagement along said channel and for stopping it thereon and releasing it; a pair of lever arms pivoted to the channel and connected with the arms by a pair of rods, said lever arms being slidably confined in right and left openings in said trans-



verse plate adapting them for being actuated by movement of the plate for moving the arms and curving the bar; a clip adapted to impinge on the flexible bar midway its length; a stay bar having one end vertically pivoted to the clip; a curved guide fastened to the frame clear of the swing of the arms and centering at said midway point; guide lugs on the stay bar affording it sliding engagement with said curved guide, said stay bar being adapted upon downward pressure thereon for steadying the flexible bar on the drafting board and for being swung to clear either side of the flexible bar either in straight or curved form; substantially as described and shown.

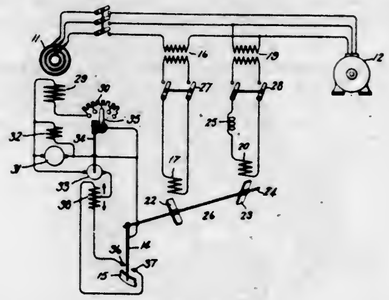
1,461,570. FILING DEVICE. ALBERT A. AINSWORTH, Brooklyn, N. Y. Filed Apr. 5, 1918. Serial No. 226,865. 9 Claims. (Cl. 129—16.7.)



1. A folder of the vertical filing type, one of the leaves thereof having gummed tabs formed therein for holding a series of record sheets in laterally extended order, said tabs being joined at their ends to the leaf.

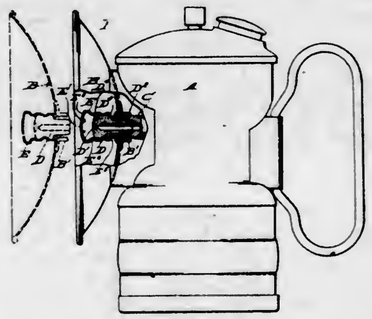
5. A filing folder formed of sheet material and having a plurality of series of record sheet-holding means arranged to hold a plurality of series of record sheets in a superposed flat and laterally extended position between the leaves of the folder.

1,461,571. CONTROL SYSTEM. ERNST F. W. ALEXANDERSON, Schenectady, N. Y., assignor to General Electric Company, a Corporation of New York. Filed Mar. 23, 1920. Serial No. 368,196. 23 Claims. (Cl. 171—119.)



1. In an electric system, a source of alternating current, a motor load supplied thereby, and means responsive to the characteristics of the motor load for indicating directly the degree of stability of the motor load.

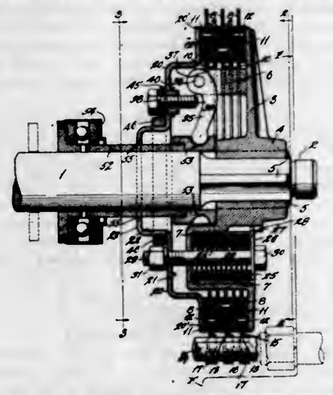
1,461,572. ACETYLENE LAMP. JOHN M. BROCK, Brooklyn, N. Y. Filed June 23, 1920. Serial No. 391,107. 3 Claims. (Cl. 240—1.)



1. A lamp comprising a burner tube provided with an internal burner-receiving surface; a burner having a securing portion including a surface adapted to conform with the internal burner-receiving surface of the tube and to be disposed within the tube; said burner having a portion constituting a shoulder which extends beyond a marginal edge of the burner tube when the burner is disposed therein; and a member disposed on the outer surface of the burner tube back of the shoulder on the burner, said member being adapted to engage the shoulder on the burner when being removed, whereby separation of the member and the burner tube will also effect removal of the burner from within the tube.

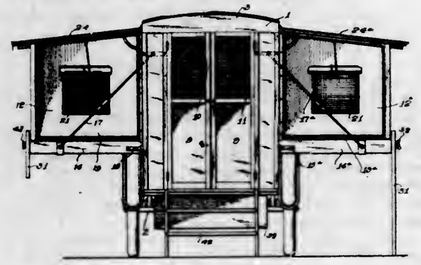
1,461,573. FRICTION CLUTCH. ARTHUR B. BROWNE, Detroit, Mich.; Anna H. Browne executrix of said Arthur B. Browne, deceased. Filed Oct. 16, 1920, Serial No. 417,351. Renewed Sept. 14, 1922. Serial No. 588,289. 19 Claims. (Cl. 192—69.)

1. A clutch comprising a shaft, a main plate irrevolubly mounted thereon, a pressure plate, a driving disk between the plates, direct acting spring means arranged to urge the main plate and pressure plate together to frictionally clamp the disk, and a releasing lever inde-



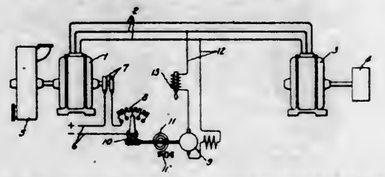
pendent of the spring means and pivoted on the main plate and arranged to act on the pressure plate to move the plates apart to release the clutch.

1,461,574. CAMPING TRAILER. MEYER CAPLAN, Brooklyn, N. Y. Filed Aug. 23, 1922. Serial No. 583,810. 3 Claims. (Cl. 296—23.)



1. In a trailer, a portable body, means associated with said body to form sleeping compartments at each side thereof, said means comprising a bottom member hinged to the lower side of the body, end members hinged to said bottom member, a side member hinged to said bottom member, a top member hinged to the body near the upper end thereof, means associated with said end members and with said top member for relatively positioning said members in compartment forming position, and means associated with said end members and with said side member for releasably holding said members in compartment forming position.

1,461,575. SHIP PROPULSION SYSTEM. FREDERIC H. CLOUGH, Hillmorton, near Rugby, England, assignor to General Electric Company, a Corporation of New York. Filed Nov. 8, 1920, Serial No. 422,630. Renewed May 10, 1923. 4 Claims. (Cl. 172—8.)

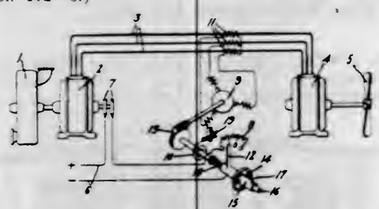


1. In an electric power system an adjustable speed generating machine of the synchronous type, a load

driving dynamo electric machine supplied thereby, and means for controlling the excitation strength of one of said machines comprising a series commutator type torque motor connected to respond to generator voltage and a reactor in circuit with said torque motor substantially to compensate any tendency of the current through said torque motor to change with changes in generator voltage due to changes in speed.

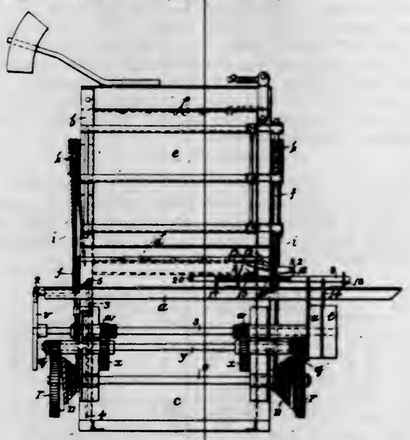
4. An electric ship propulsion system comprising an adjustable speed synchronous generator, a propeller, a propeller driving motor connected to the generator mains, and means for controlling the strength of the generator excitation comprising a series commutator type motor connected across the generator mains, a reactor in series with said commutator motor and means for changing the reactive effect of the reactor in accordance with changes in the current supplied to the propeller driving motor to increase the reactive effect with increases in motor current and decrease the reactive effect with decreases in motor current.

1,461,576. SHIP-PROPULSION SYSTEM. FREDERIC H. CLOUGH, Hillmorton, near Rugby, England, assignor to General Electric Company, a Corporation of New York. Filed Jan. 29, 1921. Serial No. 441,029. 4 Claims. (Cl. 172—8.)



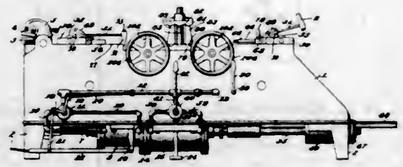
1. An electric ship propulsion system comprising an adjustable speed prime mover, a synchronous generatoor driven thereby, an alternating current propeller driving motor connected to be supplied by said generator, means for regulating the field strength of said generator, and means for operating said regulating means comprising a series commutator type torque motor connected to exert a torque proportional to the current supplied to the motor.

1,461,577. BALING PRESS. THOMAS COOK, Stalybridge, England. Filed July 15, 1920. Serial No. 396,534. 4 Claims. (Cl. 100—121.)



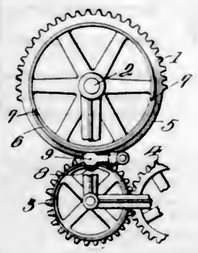
1. In a press, a vertical press chamber having vertical slots in its sides, a press platen provided with arms which project laterally through the said slots, lower guide sheaves carried by the said arms, upper guide sheaves carried by the press chamber, flexible connections secured at one end and passing over the said sheaves, fusee drums having the free ends of the flexible connections secured to their larger end portions, and means for revolving the fusee drums simultaneously, and thereby raising the platen with a constantly increasing pressure.

1,461,578. MACHINE FOR REMOVING AND REPLACING METAL PARTS OF TRAIN-PIPE COUPLINGS. WILLIAM D. FAIDLEY, Jr., Clifton Forge, JOHN W. MORRIS, Iron Gate, and SAMUEL A. PATTERSON, Clifton Forge, Va. Filed Dec. 27, 1921. Serial No. 524,910. 13 Claims. (Cl. 29—88.2.)



1. In a machine of the class described, the combination of a hose support, fittings, carriers arranged at opposite sides of said support and movable toward and from the same, and means between the support and the carriers for compressing clamps about the hose.

1,461,579. GEAR LOCK FOR COTTON TRAMPERS. THADDEUS S. GRIMES, Columbus, Ga., assignor to Lummus Cotton Gin Company, Columbus, Ga., a Corporation of Georgia. Filed June 12, 1922. Serial No. 567,725. 3 Claims. (Cl. 74—7.)

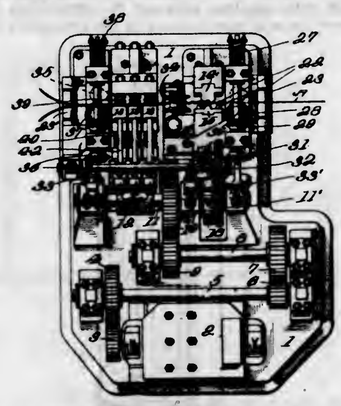


1. In a gear lock, the combination with a main operating gear, a working gear, and an intermediate idler, the working surface of said main operating gear being interrupted by a stop surface, of a locking notch in said idler, and a pawl to engage said notch and be held therein by said stop surface.

1,461,580. APPARATUS FOR SEPARATING ROLLED SHEET-METAL PLATES. JOHN A. HELLSTROM, Wheeling, W. Va. Filed Jan. 28, 1921. Serial No. 440,676. 7 Claims. (Cl. 29—17.)

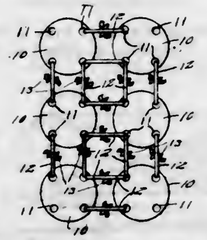
7. An apparatus for separating rolled packs of metal sheets, comprising means for feeding sheets step by step,

dies for corrugating the sheets one corrugation at a time, means for hammering the corrugations, and die



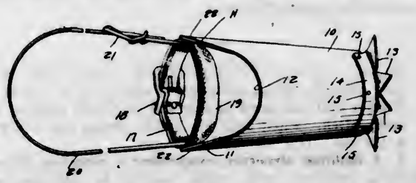
gauges for preventing sideways moving of the pack while being corrugated, whereby the pack is fed straight through the hammering mechanism.

1,461,581. ORNAMENTAL FABRIC. CAPTOLIA JENKINS, Guthrie, Ky. Filed July 11, 1921. Serial No. 483,919. 1 Claim. (Cl. 2—187.)



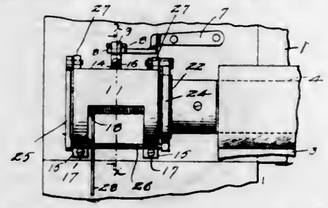
An ornamental fabric having disks, each disk being in a single piece and provided with a plurality of openings therethrough equidistantly spaced from the center of the disk and from each other and relatively close to the margin of the disk, each disk aside from the openings therethrough being substantially imperforate, connectors of textile material for the disks, said connectors in pluralities passing through each opening, each connector being a strand having its ends ornamentally connected together, and the connectors being in groups to present the appearance of endless elements substantially in checkered relation with the disks.

1,461,582. CALF WEANER. EMANUEL WILLIAM NEDVED, Millboro, S. Dak. Filed Mar. 5, 1920. Serial No. 363,426. 1 Claim. (Cl. 119—131.)



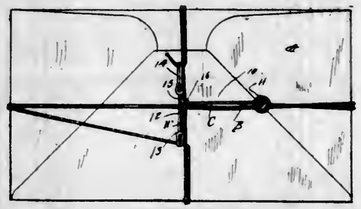
A calf weaner comprising an elongated longitudinally tapering transversely curved sheet metal shield, a portion of the rearward edge of said shield being cut away to expose the upper part of the face of the wearer, relatively wide rearwardly extending side plates formed by said cut away portions, a longitudinally curved angle member secured to the forward end of said shield, upstanding spurs carried by said member, attaching means pivotally connected to the side plates adjacent their rear ends, and said side plates serving to prevent lateral displacement of the shield.

1,461,583. SHADE-ROLLER FIXTURE. PETER A. PERSE, Jr., Pueblo, Colo. Filed Apr. 14, 1921. Serial No. 461,186. 6 Claims. (Cl. 156—28.)



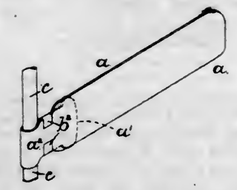
4. A shade roller fixture comprising a sectional casing having its lower portion cut away, a spool mounted in the casing, a socket at one end of the spool, ratchet teeth on the socket, arms at opposite ends of the casing pivoted thereto, one of the arms being curved and provided with a pawl in cooperative relation with the ratchet teeth, a tie rod connecting the free ends of the arms, and an operating cord adapted to wind upon the spool and directly engageable with said tie rod to disengage the pawl from the ratchet teeth when a lowering of the shade is desired.

1,461,584. PACKAGE-TYING DEVICE. LAWRENCE R. SANGSTON, Loveland, Colo. Filed Aug. 15, 1922. Serial No. 581,977. 3 Claims. (Cl. 24—18.)



1. A fastener for a binding element having an arm for attachment to said element, an arm substantially at right angle thereto having a fastening hook for said element at one end and a guide member for the element at the other end, said hook and element being on opposite sides of the first arm, and cross arms extending to the first mentioned arm and one from said hook and one from said guide member to reinforce the hook and guide member.

1,461,585. STATIONERY LABEL. MATTHEW RICHARD SCANLAN, Liverpool, England. Filed Nov. 3, 1919. Serial No. 335,478. 1 Claim. (Cl. 40—2.)



The combination of a label adapted to have an end thereof bent on itself to form a loop, a detachable clip

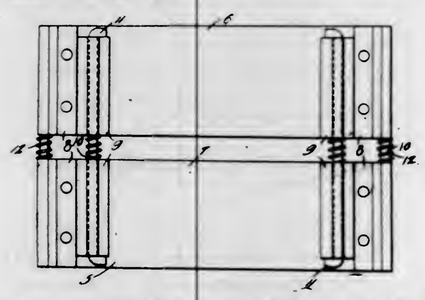
on the looped end of said label, a set of lugs of said clip embracing a portion of said label so that said clip will be attached to said label independent of the looped end of said label, and a second set of lugs bendable independent of the other set of lugs to embrace and hold the end of said label in loop formation, said label having an enlarged end to prevent end withdrawal when the label is in applied position.

1,461,586. LEVEL-WIND FISH REEL. WILLIAM SCHMID, Coldwater, Mich. Filed July 31, 1922. Serial No. 578,559. 13 Claims. (Cl. 242—84.4.)



1. In a fish reel structure in which a spool revolves, reel heads, frame parts connecting said reel heads and cooperating therewith in forming said structure, one of said frame parts forming a guard, and a level wind mechanism in the guard of the frame part adapted to level wind a line on the spool.

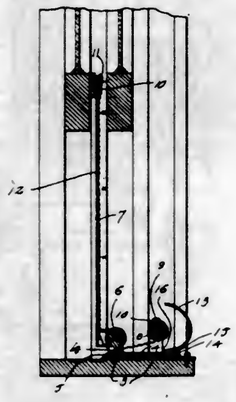
1,461,587. EGG CASE. HENRY G. STUEMKE, Good Thunder, Minn. Filed Oct. 5, 1921. Serial No. 506,538. 1 Claim. (Cl. 217—5.)



In a device of the character described, opposed sections, guiding members secured to the ends of the sections, rods positioned within the guiding members and having right angled ends adapted to engage the ends of the guiding members to restrict movement of the sections with respect to each other, and coiled springs mounted on the rods and disposed between the sections, the ends of the coiled springs engaging the sections to normally urge the sections away from each other.

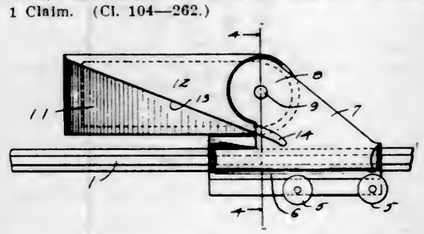
1,461,588. WINDOW SCREEN. CHARLES W. TRICKEY, McGrath, Minn. Filed Aug. 11, 1921. Serial No. 491,519. 5 Claims. (Cl. 156—39.)

3. Means for screening a window, the same comprising a supporting frame including longitudinal strips having their end portions upstanding, clips secured at one end to the sill of the window frame and engaging the strips of the supporting frame, guide and spring rollers mounted in the upturned ends of the strips, a screen passing around the guide roller and wound upon the spring roller and detachably engaging the lower rail of the sliding sash, guide strips applied to the side of the window frame and engaging the vertical edge portions of the screen to exclude insects, a cover for the spring and guide rollers having an offstanding portion along one edge and provided with openings adjacent the offstanding portion to receive the said clips, keepers on the offstanding portion



of the cover receiving said clips, and a tongue projecting from the offstanding portion of the cover and adapted to receive a fastening whereby the parts are made secure to the sill of the window frame.

1,461,589. CAR REPLACER. JOHN A. VEAZEY, Youngstown, Ohio. Filed Dec. 5, 1922. Serial No. 605,073. 1 Claim. (Cl. 104—262.)

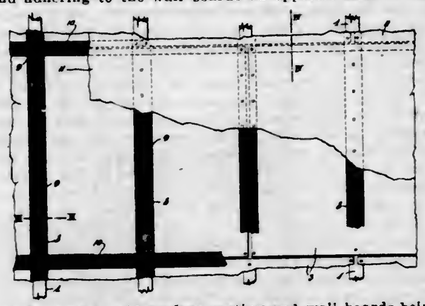


A car replacer comprising a clamp member grooved in its under side to receive a rail and having a portion at one side formed in its top with a longitudinal groove to receive the flange of a car wheel, deflecting wheels mounted upon the member at one side of the grooves thereof to cause the flange of a car wheel to enter said grooves, the opposite side portion of the clamp member including a wing and a circular ear, and a replacing member having a depression at one end to receive said circular ear to which it is pivotally connected, said replacing member comprising an inclined portion and an elevated portion, the two portions being separated by means of a shoulder which is longitudinally inclined to effect a lateral movement of a car wheel as the same mounts the inclined portion.

1,461,590. WALL CONSTRUCTION. CURRY ORA WALPEA, Detroit, Mich., assignor of one-third to Frank A. Maslen and one-third to Bernard E. Clark, both of Detroit, Mich. Filed July 24, 1922. Serial No. 576,968. 4 Claims. (Cl. 72—17.)

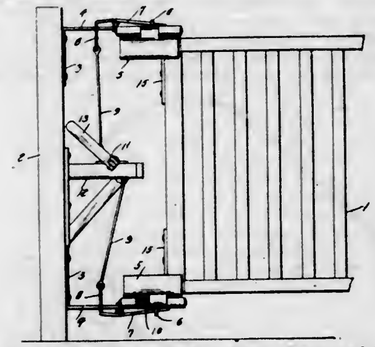
1. A building structure comprising a plurality of supporting members, wall boards secured to said members with their abutting edges having portions capable of movement, a reinforcing material extending across the joint at the abutting edges of said panels opposite the

portions capable of movement, and a surface coating of an elastic plastic material covering the reinforcing material and adhering to the wall boards on opposite sides of the



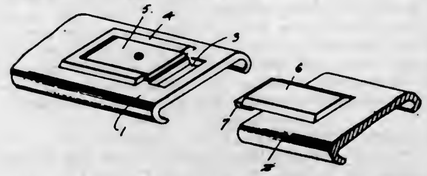
reinforcement, said surface coating and wall boards being capable of relative movement adjacent to their abutting edges.

1,461,591. GATE LOCK. EINO H. WAIRYNEN, East Lake, Minn. Filed Nov. 16, 1921. Serial No. 515,565. 4 Claims. (Cl. 292—48.)



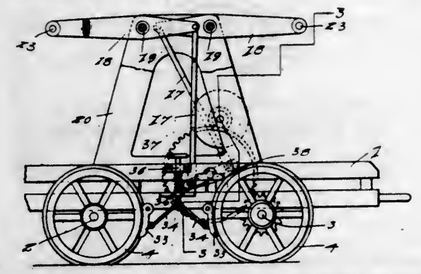
1. In a gate or like swinging closure, upper and lower brackets disposed to extend over the top and beneath the bottom of the gate to prevent vertical movement thereof when closed, and latch elements carried by said brackets to engage opposite sides of the gate to secure the same against lateral movement when closed.

1,461,592. DEMOUNTABLE RIM. JACOB K. WILKENS, Muscatine, Iowa. Filed Oct. 27, 1922. Serial No. 597,317. 1 Claim. (Cl. 301—30.)



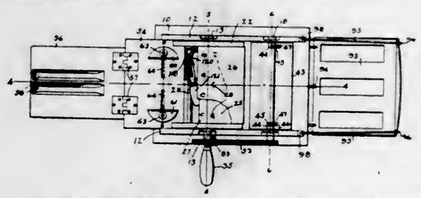
Means for securing the separable ends of a demountable rim, the same comprising an opening formed in one of the ends, a substantially U-shaped keeper on the end provided with the opening and having the open side adjacent the said opening, a locking slide mounted in the keeper and adapted to be moved to extend over said opening, a tongue projecting from the companion end of the rim and having a projection or lip adapted to enter the said opening and retained therein by the locking slide, and means for securing the locking slide in operative position.

1,461,593. HAND CAR. ALLEN B. WOODSON and WARHAM FERRIL, Clarksville, Tenn.; said Woodson assignor to said Ferril. Filed Nov. 11, 1922. Serial No. 600,305. 4 Claims. (Cl. 105—88.)



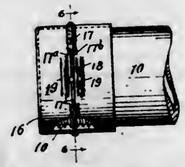
1. In a hand car, the combination with a platform having an opening therein and a driving axle disposed below the platform, of a crank shaft journaled on the platform and extending across the opening, manipulating elements operatively connected to the crank shaft, a gear carried by the crank shaft and rotatable within the opening in the platform and adapted to have rotation when the crank shaft is rotated, a gear loosely mounted on the driving axle and meshing with the first-mentioned gear and adapted to have rotation when the first-mentioned gear is rotated, and means for locking the second-mentioned gear to the driving axle when the said gear is rotated in one direction, so as to effect rotation of the driving axle.

1,461,594. ROTARY PRINTING MACHINE. JOSE M. ALMEDIA, Rock Springs, Wyo. Filed Dec. 22, 1921. Serial No. 524,242. 13 Claims. (Cl. 101—120.)



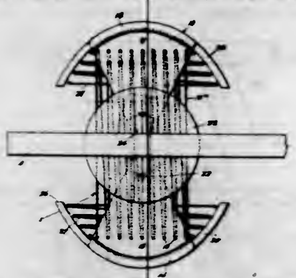
1. A printing machine having printing mechanism, means operable to dry the ink from a printed sheet consisting of a drum, a blotting sheet to surround and fastened adjacent one end to the drum, and latch means on the drum engageable with the sheet adjacent the other end of the sheet.

1,461,595. PIPE-THREAD PROTECTOR. HENRY W. AVERY, Cleveland, Ohio. Filed Oct. 13, 1921. Serial No. 507,481. 6 Claims. (Cl. 137—91.)



1. A pipe thread protector comprising a sleeve having an internal groove extending part way around it and having an opening communicating with said groove, and a locking key which lies partly in said groove, the diameter of said key being greater than the depth of the groove whereby the key will project into one of the spiral grooves of a threaded pipe upon which the sleeve is fitted.

1,461,596. RESONANCE DEVICE FOR BANJOS. FRANS R. L. BERGE, Port Angeles, Wash. Filed May 24, 1921. Serial No. 472,240. 6 Claims. (Cl. 84—270.)



4. As an article of manufacture an attachment for banjos and the like comprising a pair of arcuate wooden strips adapted to be engaged endwise with the inner face of the banjo head, a wire arranged within and strung to each of said strips, a thin wooden bar spanning the space between said strips, said bar having sector shaped heads with longitudinally arranged wire strings mounted on its inner face, a disk-like wooden plate to rest on the center portion of said bar and having a seat on its outer face to engage the inner face of the banjo stick, and set screws threaded through said disk like plate and engaging said bar for varying the pressure of the bar on said arcuate strips and thereby controlling the pressure of said members on the banjo head.

1,461,597. SOUND BOX. ARIZONIA Z. COATS, Newbern, Tenn., assignor of one-half to Elmer Headden, Newbern, Tenn. Filed Oct. 11, 1921. Serial No. 506,964. 1 Claim. (Cl. 274—35.)



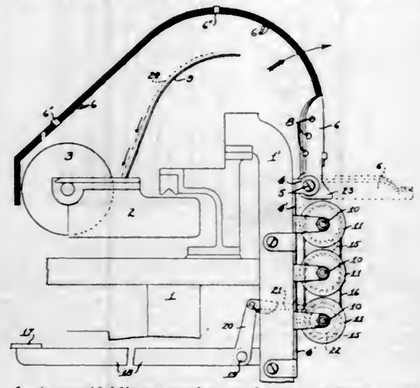
A sound box of the class described composed of a cylindrical body the ends of which are equipped each with a sound conveying tube said body being constructed of detachably connected sections, a diaphragm mounted in each of said sections, a spacing ring arranged between said diaphragms, said ring being split and the ends thereof spaced apart, a sound arm extending through the opening in said ring and engaged with said diaphragms, and a needle holder connected with said sound arm.

1,461,598. EXTENSION FRAME FOR FORDSON TRACTORS. WILLIAM JEROME WYLIE, Columbia, Miss., and CLARENCE WINSTON COOPER, Oxford, Ala.; said Cooper assignor to George Willard Green, Columbia, Miss. Filed July 3, 1922. Serial No. 572,552. 1 Claim. (Cl. 180—1.)



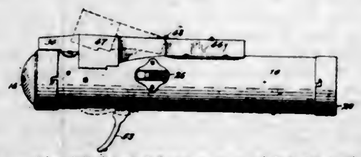
The combination with a tractor comprising a rear axle casing, rear wheels carried by the casing, a front axle, front wheels movably carried by the front axle for steering, and steering mechanism carried by the front axle and operatively connected with the front wheels—of means for associating and connecting the instrumentalities specified, to form a portable power plant, said means embodying a substantially U-shaped carrying frame, mechanism for connecting the front axle to the forward portion of the carrying frame for swinging movement in a vertical plane and in spaced relation to the forward portion of the frame work of the tractor, means for connecting the axle casing of the tractor to the rear portion of the carrying frame, means for securing the front portion of the frame work of the tractor to the carrying frame at a point intermediate the front and rear ends of the carrying frame and far enough from the forward end of the carrying frame to provide ample space for driven machinery to be located between the frame work of the tractor and the forward end of the carrying frame, means for supporting the machinery to be driven on the carrying frame between the frame work of the tractor and the forward end of the carrying frame, and an operating device for the steering mechanism, said device being extended backwardly to a point to the rear of the means which connects the frame work of the tractor with the carrying frame, thereby to permit said device to be operated by the steering element of the tractor.

1,461,599. MANIFOLDING ATTACHMENT FOR TYPEWRITERS. MALCOLM L. COSSITT, Alameda, Calif., assignor to Manifold Impressions Corporation, Carson City, Nev., a Corporation of Nevada. Filed July 3, 1922. Serial No. 572,683. 8 Claims. (Cl. 197—153.)



1. A manifolding attachment for typewriters comprising a movable arm mounted upon a stationary portion of the machine frame and thence extending above and clear of the platen carriage to the region of type impact; a manifolding member carried by said arm and adapted to be moved thereby into and out of functional position in the line of type impact, between the sheets of paper to be typed; and means dependent upon the operation of the machine in typing, for varying the surface point of the manifolding member exposed to the type impact.

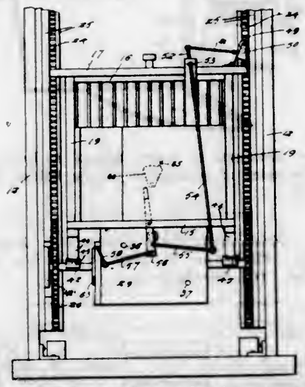
1,461,600. COMBINED LIGHT AND FIREARM. SYLVESTER P. COTTRELL, Buffalo, N. Y. Filed July 8, 1922. Serial No. 573,676. 20 Claims. (Cl. 42—1.)



1. A combined light and firearm comprising an enclosing casing, a lamp arranged in the front part of said casing,

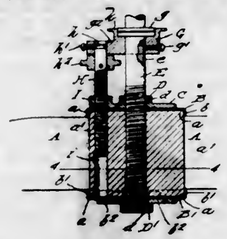
a battery arranged in the rear part of the casing, and a cartridge cylinder arranged in the casing between said lamp and said battery.

1,461,601. ELEVATOR. THOMAS C. CRAIG, Waterbury, Conn. Filed Aug. 24, 1920. Serial No. 405,587. 3 Claims. (Cl. 187—19.)



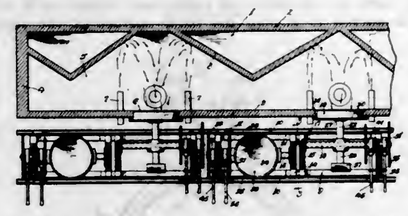
3. In combination with an elevator car and driving mechanism carried thereby, said mechanism including an electric motor, a circuit for said motor, a controller connected with said circuit and said car, conducting elements adapted to be mounted in the elevator shaft, a swingingly mounted trolley bracket carried by the car, wheels mounted on the bracket and adapted to engage the conductors when the bracket is swung to operative position, a lever, a rod having a terminal crank, a link connected at one end to said crank and having its outer end connected to said bracket, a second link connected at one end to a rod, and a third link connected with one end to said lever and at its other end to the second link, whereby said bracket is swung to operative or inoperative position on movement of said lever; a brake for the driving mechanism, said brake comprising a brake wheel mounted on a drive shaft, a brake shoe, to cooperate with said brake wheel, and links connecting said brake shoe and lever, whereby when said bracket is moved to break the circuit of the motor, said brake will be automatically applied.

1,461,602. FITTING FOR REVOLVING CHAIRS AND THE LIKE. ROBERT K. DAWSON, Guelph, Ontario, Canada. Filed June 13, 1921. Serial No. 477,073. 9 Claims. (Cl. 155—138.)



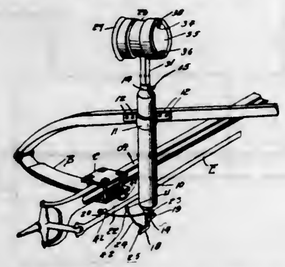
1. Means for connecting the legs of chairs and the like including a plate of relatively thin material adapted to engage said legs, cylindrical projecting parts extending outwardly from said plate and formed integral therewith, a reinforcing member of thicker material adapted to engage said plate at the juncture of said projecting parts with said plate, and means for drawing said member into clamping engagement with said plate.

1,461,603. GLASS-DRAWING APPARATUS. CHARLES DONALDSON, Augusta, Kans., and CHARLES DAY, Okmulgee, Okla. Filed June 24, 1921. Serial No. 480,211. 11 Claims. (Cl. 49—17.)



11. In apparatus of the class described, a truck supported for travel, spaced racks upon the truck, a shaft, gear wheels carried by the shaft and meshing with the rack, means whereby the shaft may be rotated, means for holding the shaft against rotation whereby to hold the same in positions of shifting adjustment effected through its rotation and the meshing of the gear wheels with the racks, a sleeve shaft upon the first-mentioned shaft rotatable independently thereof, means whereby the sleeve shaft may be rotated, means for holding the sleeve shaft against rotation and thus maintain it in positions of adjustment, a supporting member extending from the sleeve shaft, pot supporting means carried by the said member, the said supporting member being located at one side of the sleeve shaft, and counterbalancing means located at the other side of the said shaft.

1,461,604. HEADLIGHT MECHANISM. SAMUEL E. DOUGLASS, Raleigh, N. C. Filed Mar. 28, 1922. Serial No. 547,488. 2 Claims. (Cl. 240—62.)

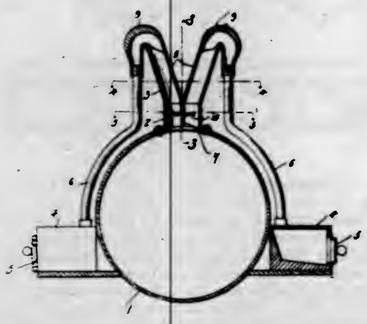


1. In a headlight mechanism, in combination with a vehicle steering rod, a lamp, a shaft to mount the lamp, means to mount the shaft, said shaft having lugs extending therefrom in opposite directions, said lugs being disalined vertically, said steering rod having a connection extending upwardly therefrom and a connection depending therefrom, flexible elements in crossed relation and non-contiguous, said elements extending one from each lug and being secured one above and one below and respectively to said connections.

1,461,605. SPARK ARRESTER. SAMUEL E. DOUGLASS, Raleigh, N. C. Filed Apr. 10, 1922. Serial No. 551,096. 1 Claim. (Cl. 183—97.)

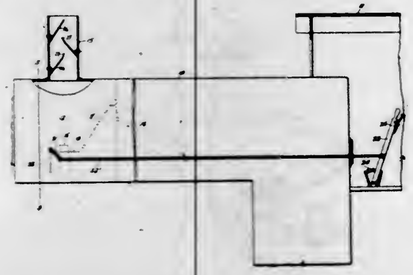
A spark arrester comprising, in combination with a smoke stack, a vertically disposed flat dividing plate arranged within and extending diametrically of the stack and having its side edges engaging the inner walls of the stack, a pair of flat deflecting plates extending upwardly in diverging relation from the upper edge of the dividing plate and having their side edges contacting with the inner surface of the stack, the deflecting plates being perforated and terminating at their upper ends in

return elbows which overlie and engage the upper edge of the stack and which are of a length equal to the width of the deflecting plates, the inner end of the return elbow having openings coextensive in length with the width of the deflecting plates and having their end walls curved to engage the inner surface of the stack



and the outer ends of the elbows terminating in reduced nipples, discharge pipe connected to said nipples, and means passing through the dividing plate and the smoke stack, said means in addition to the engagement of the deflecting plates and elbows with the stack preventing the spark arrester from having any movement with respect to the stack.

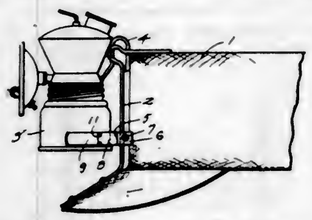
1,461,606. DRAFT-CONTROLLING DEVICE. JOHN ELICK, Centralia, Wash. Filed Sept. 21, 1921. Serial No. 502,208. 1 Claim. (Cl. 110—163.)



An attachment for steam generators including a smoke box, the forward flue sheet, the flues, and an exhaust pipe, comprising a diaphragm formed of upper and lower horizontal portions extending in parallel relations and a portion directed at an angle to the longitudinal planes of the horizontal portions, the upper horizontal portion adapted to engage the flue sheet above the flues and the lower horizontal portion apertured to receive the exhaust pipe, a supporting rod extending transversely of the smoke box and above the line of the lower horizontal portion of the diaphragm, and a controlling element rotative with the rod and bearing against the forward edge of the diaphragm when in lower position and limited in its movement in one direction thereby.

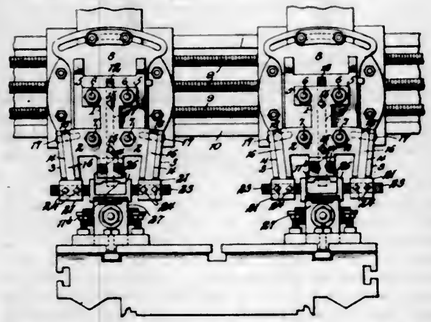
1,461,607. MINER'S LAMP CLIP AND STAY. NEWTON FARLEY, Lillybrook, W. Va. Filed Apr. 28, 1922. Serial No. 557,081. 3 Claims. (Cl. 240—60.)

1. Attaching means for a miner's lamp comprising a clamp including a resilient bar having spaced arms projecting therefrom, and a holder comprising complemental members hingedly connected at one end and having hinged connection intermediate their ends to the respective arms whereby the last mentioned hinge connection and resiliency of the bar enable the connected ends of



the holder members to move across a line passing through the point of connection of the holder members to the arms.

1,461,608. TOOL HOLDER. TIMOTHY C. FOLEY, Renovo, Pa. Filed Apr. 18, 1922. Serial No. 554,676. 14 Claims. (Cl. 90—52.)



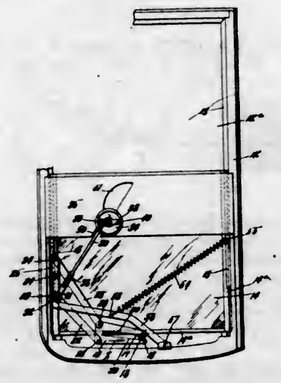
14. In a tool holder, the combination with a planer head, of a body portion carried thereby having means for holding a transversely disposed tool with a cutting edge at each end in a position at the bottom of the body portion, and other means located at each side of said tool and carrying tool holders at their lower ends with the two tools arranged in a substantially horizontal position, whereby the three tools are adapted to operate simultaneously on the inside and outside respectively of a shoe.

1,461,609. COLLAPSIBLE-TUBE CLOSURE. GERALD E. FORCE, New York, N. Y., assignor to Helmet Cap Company, New York, N. Y. Filed Apr. 11, 1921. Serial No. 460,194. 7 Claims. (Cl. 221—50.)



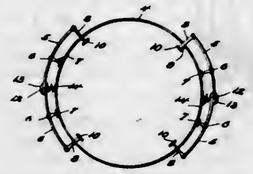
1. A collapsible tube or similar receptacle, having a discharge orifice surrounded by an externally threaded collar, a guide pivoted to and operable to positions overlying and lateral of the collar, said guide being threaded, its threads constituting a continuation of those on the collar, and a cap carried by the guide and adapted to be disposed by the collar in a position for engagement with the threads of the collar.

1,461,610. WINDOW-OPERATING MECHANISM. LAURENCE M. FOSS, Amesbury, Mass. Filed July 3, 1922. Serial No. 572,634. 9 Claims. (Cl. 268—4.)



1. Window-operating mechanism comprising, in combination, a frame; a window slidable in guides in the frame; a stud fixed to the window substantially equidistant from the guided edges thereof; a traveller having opposed parallel pushing edges contacting with said stud; and traveller-operating means movably connecting the traveller with the frame, maintaining said edges substantially at right angles with the path of movement of the window, and organized to cause a combined endwise and edgewise movement of the traveller, and thereby slide the window in the frame, the said traveller edges being in sliding and pushing contact with the window stud.

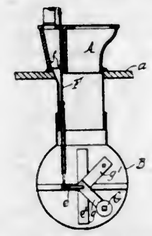
1,461,611. GLOBE SUPPORT FOR ELECTRIC LIGHTS. JOHN W. FRENCH, New Rochelle, N. Y. Filed Mar. 12, 1921. Serial No. 451,706. 4 Claims. (Cl. 240—111.)



1. In combination, a globe and a light support, means for detachably securing the same together comprising opposed pairs of horizontally arranged levers encircling the globe and pivoted intermediate their ends to the light support, clamping members carried by the outer ends of the levers and detachably engaging the globe, means for simultaneously operating the levers of each pair to rotate them in opposite directions and to simultaneously disengage the clamping members.

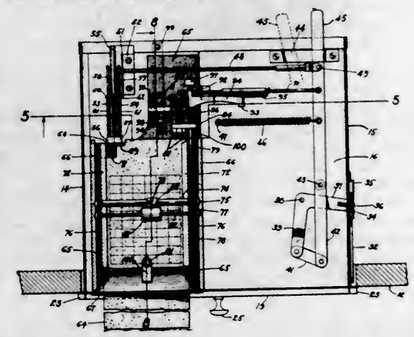
1,461,612. TOILET. JOHN F. GEIBEL, Buffalo, N. Y., assignor to Kaustine Company, Inc., Buffalo, N. Y. Filed Apr. 26, 1920. Serial No. 376,506. 10 Claims. (Cl. 4—20.)

1. In a toilet, the combination of a tank, a toilet bowl arranged above said tank, a drop tube connecting said tank and said toilet bowl and comprising two sections which are arranged to permit said bowl to be turned to different positions with respect to said tank, an agitator in said tank, an actuating rod connected to said agitator and having a portion arranged adjacent to said bowl,



and means on said agitator for normally holding said agitator in different positions, depending on the position of said bowl relatively to said tank.

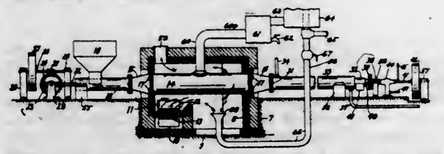
1,461,613. VENDING MACHINE. WOODLAND H. GILBERT, St. Paul, Minn. Filed Apr. 25, 1922. Serial No. 556,380. 25 Claims. (Cl. 234—1.)



3. A vending machine including a container for a commodity, a closure therefor, means to lock the closure in container-closing position and adapted to be unlocked by a key of sheet material to permit removal of the commodity, and means adapted upon unlocking of the closure to mark said key sheet with the charge for the removable commodity.

20. A vending machine including a container for a commodity, a closure therefor, means to lock the closure in container-closing position and adapted to be unlocked by a key-member to permit removal of the commodity, means adapted upon unlocking of the closure to mark the key member with the charge for the removable commodity, and means adjustably to mount the marking means whereby the position of the marked charges on the key member may be altered in a plurality of directions.

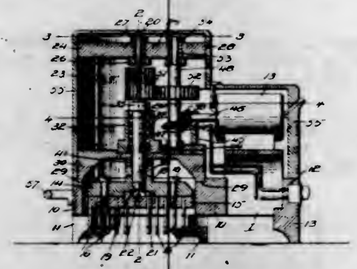
1,461,614. CONTINUOUS STRAW GAS RETORT. GEORGE H. HARRISON, St. Paul, Minn., assignor to Manufacturers Chemical Company, Newport, Minn., a Corporation. Filed Apr. 6, 1921. Serial No. 458,964. 5 Claims. (Cl. 48—111.)



1. In a straw gas apparatus, a furnace, one or more cylindrical gas retorts extending horizontally through

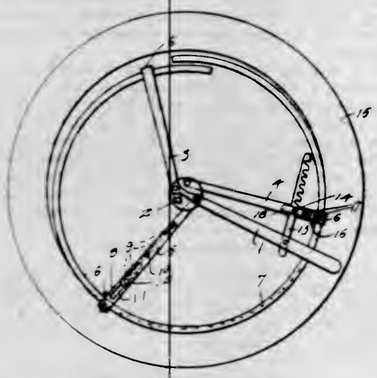
the furnace, a horizontal cylindrical feeding tube in central line with each one of the retorts and having a feed hopper opening into its upper side, a perforated piston in said feeding tube and means reciprocating the piston below the hopper; the discharge end of each retort having a comparatively long delivery tube extending axially from said end, a spiral conveyor in said delivery tube and means on the outer end of said conveyor for imparting rotation to it.

1,461,615. MEAT-BLOCK CLEANER. STEPHEN HERMANOWICH, Ellwood City, Pa. Filed May 15, 1922. Serial No. 561,005. 3 Claims. (Cl. 144—2.)



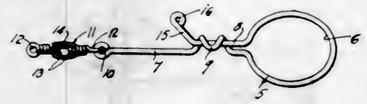
1. A meat block cleaner comprising a head member formed with a polygonal shaped opening and a recess communicating with the opening, a washer mounted in said recess, a driven shaft having a polygonal shaped lower end engaging in the polygonal shaped opening of the head member to provide for the bodily rotation of the latter, a securing element extending up through said washer and engaging in the polygonal shaped end of said shaft, and a disk secured to the lower face of said member and inclosing said washer.

1,461,616. TIRE TOOL. WILLIS W. HILEMAN, Jonesboro, Ill., assignor of one-half to Charles H. Bruchhauser, Anna, Ill. Filed Feb. 20, 1922. Serial No. 537,900. 2 Claims. (Cl. 157—1.)



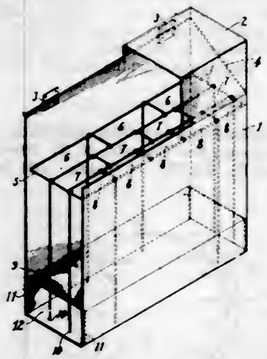
1. A tire tool of the character specified comprising an operating lever, arms pivoted at their inner ends to an end portion of the operating lever at different points and having rim engaging elements at their outer ends, one of said arms being of sectional formation, the outer section having a longitudinal slot and a plurality of teeth along an edge, a pin carried by the inner section and passing through said slot and pivoting the outer section to the inner section, a stop on the inner section to coact with the teeth of the outer section to hold the latter in the required adjusted position, and cooperating means between the operating lever and one of the arms to hold the parts in adjusted position when the tool is in active service.

1,461,617. DECOY ANCHOR. RICHARD M. HILL, Spring Valley, Ill. Filed June 28, 1922. Serial No. 571,400. 2 Claims. (Cl. 43—3.)



1. A device of the character described formed from a single length of resilient wire bent intermediate its ends to define a normally open loop, an elongated shank and a relatively short arm, the loop being designed for engagement about the neck of a decoy, said shank terminating in an attaching eye carrying a swivel, and having its intermediate portion bent to define a hook, said arm being engageable within the hook to close the loop in encircling engagement upon the neck of the decoy, the free end of the arm constituting a handle and being angularly offset.

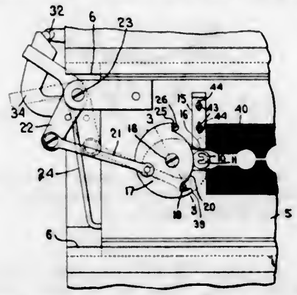
1,461,618. RECEPTACLE FOR THE STORAGE AND PRESERVATION OF USED PAINT BRUSHES. JAMES E. HOPKINS, South Orange, N. J., assignor of one-half to Allyn L. Wright, New York, N. Y. Filed May 4, 1922. Serial No. 558,390. 3 Claims. (Cl. 206—16.)



1. A liquid tight receptacle, a removable wire frame dividing the interior of the receptacle into compartments of differing size adapted to support the brushes vertically, said frame having a perforated bottom supported above the bottom of the receptacle.

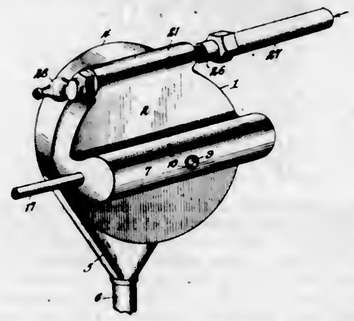
1,461,619. SEWING MACHINE. JOHN KIEWICZ, Boston, Mass., assignor to The Reece Button Hole Machine Company, Boston, Mass., a Corporation of Maine. Filed Sept. 18, 1919. Serial No. 324,288. 8 Claims. (Cl. 112—252.)

1. In a sewing machine adapted to sew a short seam and then come to rest, the combination with stitch-forming mechanism including a throat-plate, of a clamp plate on which the work is supported, means for moving the clamp plate and stitch forming mechanism relative to each other, said clamp plate having a shearing edge on its work-receiving face situated at one side of the throat-plate, a cutting member pivotally mounted on the clamp plate and having a cutting edge, turning movement of the cutting member carrying said cutting edge across the throat-plate so that it engages the threads extending therefrom and pulls off a length of thread and



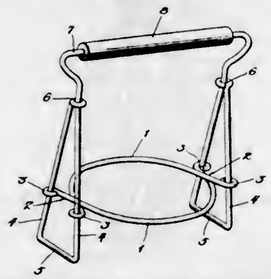
then across the shearing edge thereby to sever the thread, and means operative at the end of the stitching operation to actuate said cutting means.

1,461,620. FLUID MOTOR. WILLIS KNAPP, Salt Lake City, Utah. Filed Mar. 31, 1921. Serial No. 457,286. 8 Claims. (Cl. 253—136.)



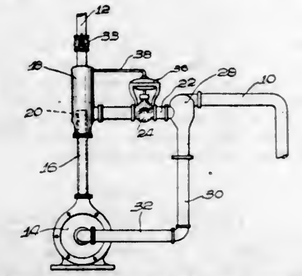
1. In a rotary tool structure, a casing having an outlet, a fluid driven motor in the casing, an inlet for fluid under pressure entering the casing, and a plate or guard in overlying relation to the rotor and covering a portion of the same adjacent the inlet.

1,461,621. MILK-BOTTLE HANDLE. LEOPOLD KRANZL, Seattle, Wash. Filed July 21, 1922. Serial No. 576,489. 12 Claims. (Cl. 215—100.)



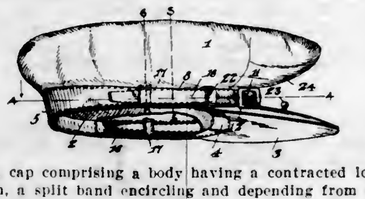
1. In a carrier, article gripping elements, and diverging guides slidably receiving similar ends of said elements, said guides serving to relatively increase and decrease the spacing of the elements as the latter are moved longitudinally of the guides.

1,461,622. PUMPING SYSTEM. HARRY E. LA BOUR, Chicago, Ill. Filed May 2, 1921. Serial No. 466,195. 6 Claims. (Cl. 103—113.)



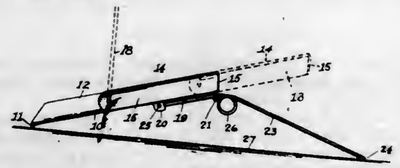
1. In a self-priming pumping system, connections providing a complete circuit, means for circulating a medium through said circuit, mixing means and separating means located at spaced points in said circuit, a supply pipe associated with said mixing means and a discharge pipe associated with said separating means, and control means capable of varying the flow capacity of the portion of the circuit leading from the separating to the mixing means but incapable of completely interrupting the flow.

1,461,623. ADJUSTABLE CAP. MAURICE LEBOW, Baltimore, Md., assignor to Dorf & Company, Baltimore, Md. Filed Feb. 1, 1922. Serial No. 533,178. 2 Claims. (Cl. 2—106.)



1. A cap comprising a body having a contracted lower portion, a split band encircling and depending from said lower portion and secured intermediate its ends to the outer face of the back and to each of the sides of said lower portion thereby providing oppositely extending free end terminal portions positioned at the front of said lower portion, a strip depending from and arranged against the outer face of the front and a part of each side of said lower portion, said strip secured intermediate its ends for a portion of its length to the outer face of the front of said lower portion thereby providing said strip with rearwardly directed free end terminal portions, the free end terminal portions of said strip sliding directly against the inner face of the connected portion of said split band, the termini of the connected part of said strip being spaced from the termini of the connected part of said band, and means for adjustably connecting the free end terminal portions of the band together for varying the size of the cap and for inclosing the connected portion of said strip.

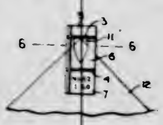
1,461,624. DUSTPAN. GEORGE W. LEWIS, Chicago, Ill. Filed June 17, 1922. Serial No. 569,096. 1 Claim. (Cl. 65—63.)



A device of the class described comprising a member adapted to be attached to the body of a dust pan and

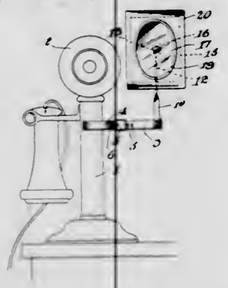
outturned at one end with laterally opening seats in the outturned portion, perforated ears directed from the plate at the other end and in spaced relation, a combined support and handle bent from a section of resilient material to form spaced side portions and each side portion turned into a coil intermediate the ends to increase the resiliency and form stops to limit the downward movement of the pan, the free ends of the side portions being formed with oppositely directed portions to enter the apertures of the ears and the sides of the resilient member to enter said seats and retained in place therein by the resiliency of the handle member.

1,461,625. MARKING TICKET. ALONZO KIMBALL MARSH, New York, N. Y., assignor to A. Kimball Company, New York, N. Y., a Corporation of New York. Filed Oct. 7, 1922. Serial No. 593,037. 5 Claims. (Cl. 40—23.)



1. A marking ticket comprising a card divided by two transverse scores into three sections, means on the central section for engaging the material to be marked, and a soft wire stiffener extending longitudinally of the card across the scores whereby the ticket may be secured to the material to be marked by engaging the material with the central section, bending an adjoining section on the intermediate score back against the central section, and then bending these two sections and the engaged material on the other score back against the third section.

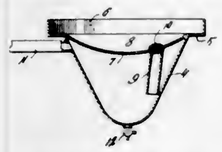
1,461,626. MIRROR SUPPORT. FRED H. MASON, Chinchilla, Pa. Filed May 25, 1921. Serial No. 472,491. 1 Claim. (Cl. 45—97.)



A support of the class described comprising an integral resilient clamping member having substantially parallel sides adapted to engage a post or support and provided with a plurality of spaced alined notches, a nut having inwardly directed lugs slidable on said member, said lugs being adapted to positively engage and lock in said notches to hold said member in adjusted position, and means at the inner end of said member to further lock the support.

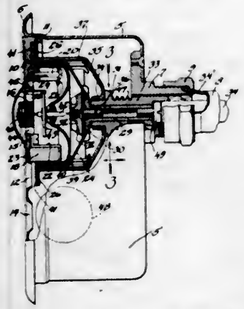
1,461,627. OIL FILTER. RICHARD S. MOORE and LEON B. JONES, Rockdale, Tex. Filed July 14, 1920. Serial No. 396,077. 2 Claims. (Cl. 210—48.)

1. An oil filter for stoves including a tapering receptacle the upper marginal edge of which is bent outwardly at right angles to provide a supporting ledge for supporting an oil can, a partition formed in said receptacle having its periphery integral with the upper end of the receptacle and being dished downwardly into the body of the latter to provide a basin for primarily receiving oil dispensed from the oil can, a filter carrying support depending from said partition and discharging against the taper-



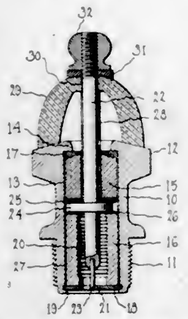
ing wall of said receptacle, and a feed pipe leading from said receptacle directly beneath said partition to carry off the oil from said receptacle.

1,461,628. MAGNETIC SPEEDOMETER. JOSHUA PATRICK, Detroit, Mich. Filed Dec. 1, 1921. Serial No. 519,211. 9 Claims. (Cl. 264—13.)



1. In a speedometer of the class described, a suitable hollow casing having an opening at its front side or end; a supporting plate secured to said casing and acting to close said opening; speed indicating mechanism located within said casing and supported solely and entirely by said supporting plate; and a driving shaft supported by said casing and operatively connected with an element of said speed indicating mechanism to drive the same.

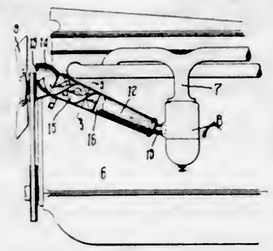
1,461,629. SPARK PLUG. ALBERT SCHMIDT, Flint, Mich., assignor to A C Spark Plug Company, Flint, Mich., a Corporation of Michigan. Filed Sept. 25, 1918. Serial No. 255,578. 15 Claims. (Cl. 123—169.)



1. A spark plug comprising an external shell or casing, tubular insulators located within said shell and permanently secured in place therein, a central electrode supported between the inner adjacent ends of said tubular insulators and extending above the upper end of said shell, an insulator surrounding the upper end of said

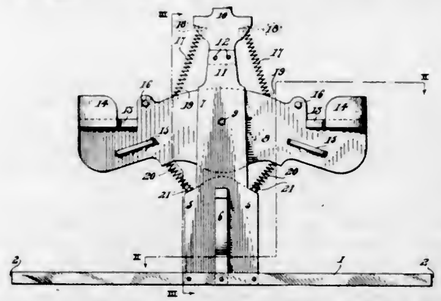
electrode, a dome surrounding the upper end of said electrode and said last mentioned insulator and the lower end of which abuts against the upper end of said shell or casing, and which dome is provided with a central hole through which said electrode extends, and a nut in engagement with the upper end of said electrode and which nut acts to hold said dome in place.

1,461,630. AIR-CLEANING DEVICE. CHARLES R. SHORT and ARTHUR L. CASH, Detroit, Mich. Filed Nov. 17, 1919. Serial No. 338,723. 9 Claims. (Cl. 183—36.)



1. In a centrifugal air cleaner, an elongated casing approximately circular in cross-section and having an air inlet opening at one end and an air outlet opening of less cross-sectional area than said casing at the other end thereof, and which casing is provided with a slot extending longitudinally and throughout the entire length thereof; and a spirally arranged member located within said casing and extending throughout a part only of the length thereof, and which member is adapted to impart rotary motion to air flowing through said casing; said spirally arranged member being located adjacent the inlet end of said casing whereby an internal chamber is provided adjacent the outlet end of said casing.

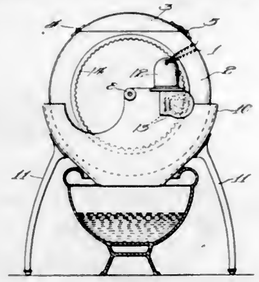
1,461,631. TEETER BOARD. MIKE SMERECHANSKI, Berwick, Pa. Filed Aug. 1, 1922. Serial No. 578,931. 1 Claim. (Cl. 46—22.)



In a teeter board of the type described, a base frame, a perpendicular standard mounted thereon, said standard being bifurcated to provide spaced side arms, a teeter board pivotally supported between said arms, a head block secured in the upper ends of said arms, and cushion springs mounted between the upper edge of the teeter board, and the head block and the lower edge of the standard teeter board and being anchored at their ends to the teeter board, standard and head block.

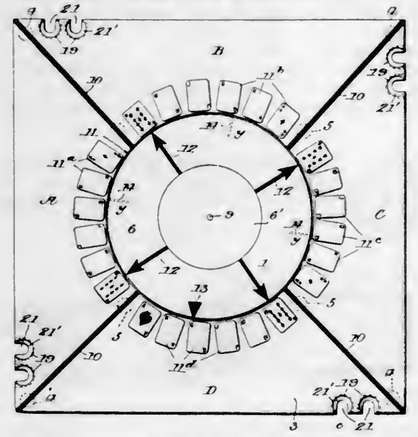
1,461,632. WASHING MACHINE. HOWARD F. SNYDER, Newton, Iowa, assignor to Maytag Company, Newton, Iowa, a Corporation of Iowa. Original application filed July 24, 1920, Serial No. 398,678. Divided and this application filed Sept. 2, 1921. Serial No. 498,113. 3 Claims. (Cl. 254—50.)

1. In a machine of the character described, a supporting casing having legs and a permanently open bottom, operating means mounted upon the casing, a washing cylinder having trunnions extending from oppo-



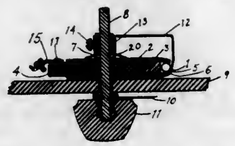
site faces thereof mounted within the casing and pivoted thereon, and connections between the operating means and the cylinder for turning the cylinder on its pivots.

1,461,633. CARD GAME BOARD. JOHN H. STANSBURY, Norfolk, Va. Filed June 5, 1922. Serial No. 565,849. 10 Claims. (Cl. 46—56.)



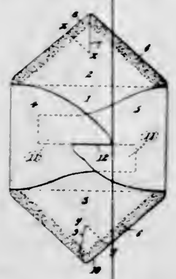
1. The combination with a circular disc, and means for centrally supporting the same, of an annular series of radially disposed permanent magnets mounted on said disc, said magnets being arranged with similar poles directed alternately outwardly and inwardly, around the series, and an independent, freely movable body with duplicate indistinguishable ends, having a permanent magnet concealed therein, whereby, when said body is placed near said disc, the latter will be angularly displaced to an extent determined by the relative polarity of said body and adjacent disc carried magnetic.

1,461,634. RHEOSTAT AND THE LIKE. ERWIN R. STOEKLE, Milwaukee, Wis. Filed July 31, 1922. Serial No. 578,823. 10 Claims. (Cl. 219—48.)



1. A rheostat comprising a helically wound resistor whose axis lies in a circumferential groove formed by the co-axial superposition of a plurality of circular disks.

1,461,635. ENVELOPE. WALTER SZCZERBA, Newark, N. J. Filed May 20, 1922. Serial No. 562,476. 2 Claims. (Cl. 229—80.)



1. In an envelope of the type described, a central rectangular strip defining the front face thereof, foldable side flaps integrally joined to the central rectangular strip, a tongue projecting outwardly from each side flap and said flaps being longitudinally slitted at one side of the tongue adapted for interlocking engagement with each other, other integral flaps carried by the upper and lower ends of the said central strip and adapted to be folded backwardly upon the beforementioned side flaps and locking tongues carried by said flaps for securely retaining the flaps in interlocked engagement.

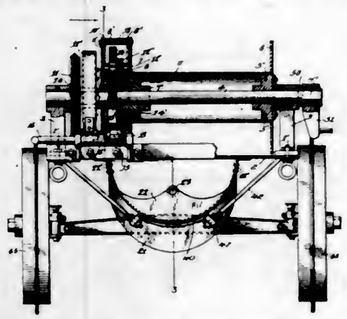
1,461,636. ATTACHMENT FOR STRINGED INSTRUMENTS. ELMER S. TANQUARY, Lawrenceville, Ill. Filed Apr. 14, 1922. Serial No. 552,486. 6 Claims. (Cl. 84—317.)



1. In a stringed instrument of the type in which the strings are adapted to be vibrated by the fingers of the performer, fretting means on the instrument, a stop device, a support attached to the instrument for holding said stop device normally out of contact with the strings but so mounted as to be bodily depressed and also rocked, to cause selected strings to engage the frets, by the arm or wrist of the performer without interfering with the freedom of movement of the fingers in playing the instrument.

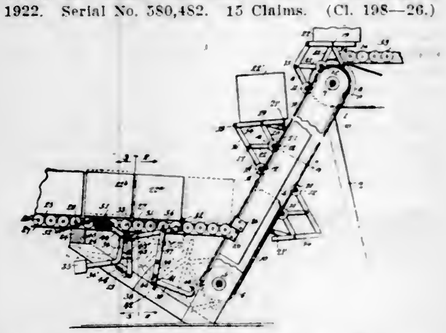
1,461,637. COMBINED WINCH AND SUPPORT THEREFOR. ANDREW J. KARL, Sistersville, and BENJAMIN F. WEBB, Bens Run, W. Va., assignors to Webb Multispeed Winch Manufacturing Company, Sistersville, W. Va., a Corporation of West Virginia. Filed July 5, 1922. Serial No. 572,810. 7 Claims. (Cl. 254—186.)

1. In combination a support, a pair of standards carried thereby, a driven shaft mounted on the standards and extending outwardly from one of them, a driving element for said shaft positioned thereon near the other end thereof, a pinion fixed to the shaft, a revolvable drum including a pair of hubs loosely mounted on the shaft and further including a gear formed on one of the hubs and an inclosing means for the gear, one of said hubs extending on the extended end of said shaft, means connected with said extended hub for manually operating the drum, drum actuating elements driven from said pinion and meshing with said gear and arranged in said inclosing means, and revolvable



supports for said elements, said supports connected together and loosely mounted on one of said hubs and said shaft.

1,461,638. FRUIT ELEVATOR. ALFRED Z. WELLS and JAMES M. WADE, Wenatchee, Wash. Filed Aug. 8, 1922. Serial No. 580,482. 15 Claims. (Cl. 198—26.)



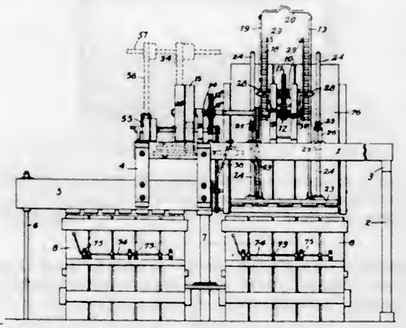
1. In an apparatus for the purpose set forth, an elevating and lowering mechanism including a traveling carrier, and a delivery mechanism having as a part thereof a counterbalanced stop element and a spring controlled arresting element connected with each other and actuated from said carrier during the travel thereof.

15. In an apparatus for the purpose set forth, a delivery mechanism provided with stop and arresting elements, and means for pivotally supporting said elements, said stop element projecting rearwardly with respect to said arresting element and said arresting element provided with a pronged arresting member and an upwardly inclined arresting member, said elements resiliently connected together and said stop element provided with a counter-weight, and an actuating means for said elements depending from said stop element.

1,461,639. COTTON TRAMPER. WILLIAM P. WILSON and ADOLPH CULLANDER, Belzoni, Miss., assignors of one-third to Enoch Haga, Belzoni, Miss. Continuation of application Serial No. 318,020, filed Aug. 16, 1919. This application filed Jan. 13, 1921. Serial No. 436,997. 3 Claims. (Cl. 100—25.)

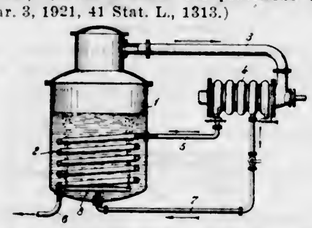
1. In a cotton tramper, a tramper block, a press box, a conveyor feed to said press box, means for reciprocating said block, means for operating said conveyor, said conveyor operating means being automatically operated by the tramper block, said automatic means including a reciprocating bar disposed above the press box, a roller

member upon one end of the bar, a channel iron on the tramper block and engaging said roller, said channel iron having its upper end curved whereby the upward movement of the tramper block will reciprocate the bar and operate a belt shifter, said belt shifter operable in relation to fast and loose pulleys on a drive shaft for said conveyor.



2. In a cotton tramper, a tramper block, a press box, a conveyor feed to said box, means for reciprocating said block, means for operating said conveyor, a reciprocating bar above the press box, a roller at one end of said bar, a channel member carried by the tramper block, said channel member having a curved upper end whereby to engage the roller upon the upward stroke of the tramper block to reciprocate the bar in one direction and reciprocate the bar in the opposite direction upon the downward stroke of the tramper block whereby to positively operate a belt shifter connected with the opposite end of the bar, said belt shifter operable in relation to fast and loose pulleys on a drive shaft for said conveyor.

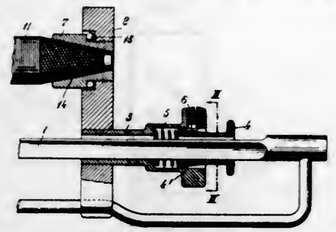
1,461,640. PROCESS AND APPARATUS FOR EVAPORATING LIQUIDS. ELIAS WIRTH-FREY, Aarau, Switzerland, assignor to the Firm Aktiengesellschaft Kummler & Matter, Aarau, Switzerland. Filed Aug. 15, 1921. Serial No. 492,456. 4 Claims. (Cl. 159—16.) (Granted under the provisions of the act of Mar. 3, 1921, 41 Stat. L., 1313.)



4. Apparatus for evaporating liquids, comprising a vessel adapted to contain the liquid to be evaporated, heating means therefor, means for withdrawing and for compressing the vapors from said vessel and for supplying the greater part of the compressed vapors to said heating means, means for compressing a second portion of said first mentioned vapors to a pressure sufficient to overcome the hydrostatic head in said vessel, and means for liberating such second portion within the lower part of said vessel.

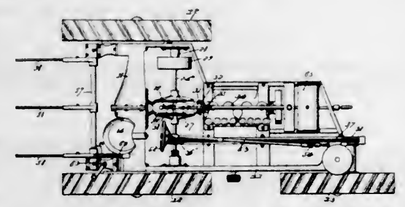
1,461,641. WINDING MACHINE. ERNST ZINDEL, Erlenbach, Switzerland, assignor to the Firm Scharer-Nussbaumer & Co., Erlenbach, Switzerland. Filed Aug. 25, 1921. Serial No. 495,211. 4 Claims. (Cl. 242—34.)

1. In a locking device for cop winders, a carrier, a sleeve member thereon, a guide rod loosely passing through said member, a second member loose on said rod, one of said members having a conical surface, an element on the other member cooperating with said conical surface, and a spring between the two members, whereby



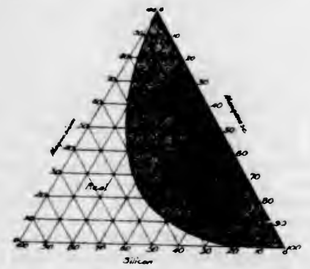
upon movement of the carrier and sleeve member the spring will be compressed to release said second member from its one-sided clamping engagement with said rod to permit said carrier to progress along said rod.

1,461,642. TRACTOR. CHARLES SIDNEY ALLEN, Dawson, Ga. Filed Aug. 26, 1921. Serial No. 495,667. 6 Claims. (Cl. 180—25.)



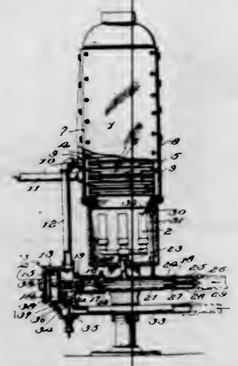
1. A tractor having power actuable driving and steering wheels, an elevated frame provided with depending side housings in which the spindles of the driving wheels are journaled to adapt the machine to operate in straddling relation with a row of plants, a motor carried by the frame, a differential axle carried by the frame and having operative connections with the driving wheels consisting of chains and sprockets housed in said depending side housings, a transmission mechanism interposed between the motor and the differential axle, and operative connections between the transmission mechanism and the steering wheel.

1,461,643. ALLOY. FREDERICK M. BECKET, Niagara Falls, N. Y., assignor to Electrometallurgical Company, Niagara Falls, N. Y., a Corporation of West Virginia. Filed Nov. 22, 1920. Serial No. 425,784. 4 Claims. (Cl. 75—1.)



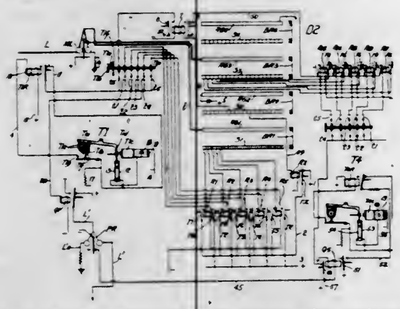
1. An alloy containing as essential components magnesium, silicon and manganese, the silicon in excess of the equimolecular proportion to the magnesium, and the manganese in lesser molecular proportion than the silicon

1,461,644. VALVE FOR AUTOMATIC WATER HEATERS. CLARK D. BEDWIN, Long Beach, Calif. Filed Feb. 1, 1922. Serial No. 533,371. 6 Claims. (Cl. 236—25.)



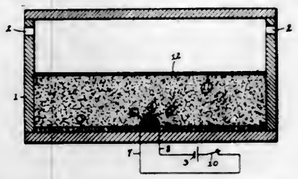
1. In an automatic water heater the combination with a burner of a fuel supply valve, an automatic controlling means for said valve, said means including a pressure cylinder and piston movable therein, a valve controlled water inlet for said cylinder and a check valve in said water inlet for arresting the backward flow of the water and permitting the formation of excessive back pressure for operating the aforesaid piston to close the fuel valve.

1,461,645. AUTOMATIC TELEGRAPH SYSTEM. GEORGE R. BENJAMIN, Jersey City, N. J., assignor to The Western Union Telegraph Company, New York, N. Y., a Corporation of New York. Filed Nov. 4, 1916. Serial No. 129,421. 3 Claims. (Cl. 178—71.)



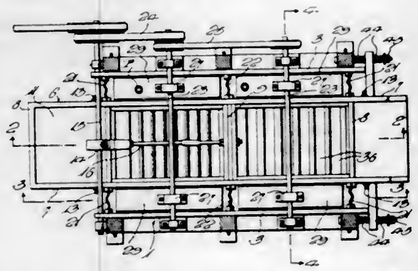
3. In an automatic telegraph system, the combination with a continuously operating, synchronous main line distributer, of extension circuit means extending to a distant point, means operated by such distributer for repeating into such extension circuit means, receiving means at the distant point arranged to receive signals so repeated, transmitting means at the distant point comprising a restarting translator, such transmitting means and translator arranged to transmit through such extension circuit means, and repeating means arranged to receive signals so transmitted from the distant point and to repeat them into said main line distributer, and comprising a receiving translator and actuating means therefor controlled by said distributer for a start impulse and thereafter free from all control of said distributer-operating means, and means controlled by said receiving translator for setting up contact combinations corresponding to the signals received, said distributer comprising means controlling the time of transmission into it from the contact combinations so set up.

1,461,646. MATERIAL FOR PRODUCING SMOKE SCREENS. HARRY F. FRENCH and RAYMOND C. BENNER, Fremont, Ohio, assignors to National Carbon Company, Inc., a Corporation of New York. Filed Jan. 14, 1919. Serial No. 271,126. 15 Claims. (Cl. 52—23.)



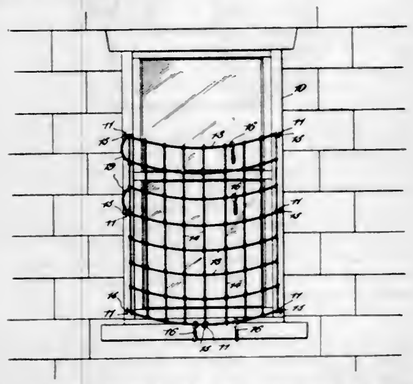
1. A non-explosive smoke producing mixture containing a carbonaceous material, an oxidizing agent, and a smoke forming substance vaporizable at a low temperature.

1,461,647. ORE SEPARATOR. ALBERT E. BOOKWALTER, Coeur d'Alene, Idaho. Filed Sept. 7, 1922. Serial No. 586,699. 4 Claims. (Cl. 83—76.)



1. An ore separator comprising a water box, a separating frame mounted for horizontal movement in said box with its lower side below the water level, the sides of said frame being spaced from the sides of the tank, vertically movable plungers between said tank and frame sides, and means for simultaneously shaking said frame horizontally and pulsating said plungers vertically.

1,461,648. WINDOW-CLEANER'S LIFE NET. GEORGE W. BRYANT, New York, N. Y. Filed July 2, 1921. Serial No. 482,211. 1 Claim. (Cl. 20—71.)



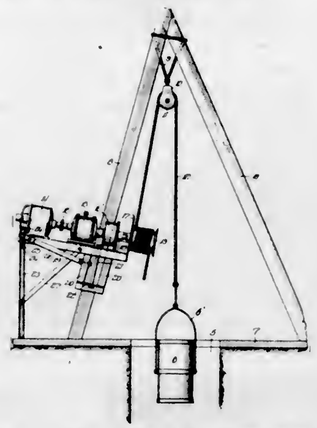
A window cleaner's life net comprising a flexible structure having vertical and horizontal strands of rope knotted at their intersections, a plurality of permanently attached securing devices carried by the vertical margins of said structure, a plurality of adjustable and detachable securing elements secured to said structure between said margins, all of said securing devices being capable of co-acting with hooks adapted to be secured to a window sill, and handles secured to one of the marginal edges for permitting the structure to be carried when the same is in a folded condition.

1,461,649. GAME APPARATUS. JOHN A. ERNST, Jr., Ridgefield Park, N. J. Filed Sept. 27, 1921. Serial No. 503,529. 6 Claims. (Cl. 46—61.)



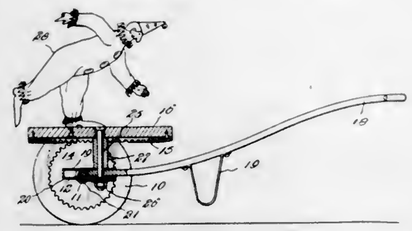
1. A game apparatus which comprises a support, a pivoted semaphore member connected to said support, one arm of said semaphore normally projecting above the edge of the support, means moving upon the edge of said support to contact with the projecting arm and depress the same, and a second arm on said semaphore normally disposed below the edge of the support and adapted to be elevated when the projecting arm is depressed by said means, the mass distribution of said semaphore being so disposed as to cause the return of the semaphore to normal position as soon as the projecting portion is released by said means.

1,461,650. HOISTING MACHINE. LOUIS FALZER and EDWIN M. WEBBER, Chicago, Ill.; said Webber assignor to said Falzer. Filed Aug. 18, 1922. Serial No. 582,807. 3 Claims. (Cl. 254—145.)



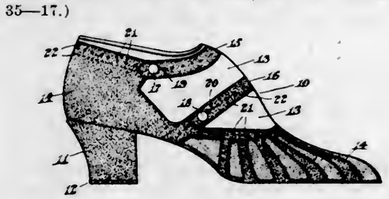
1. In a portable hoisting apparatus of the character described, the combination of a pulley-supporting frame, a pulley suspended from and within the upper portion of said frame, a hoisting cable passed over said pulley, a bucket hung from one depending limb of said cable, a platform mounted on the lower portion of said frame, an electric motor, speed reducer, safety device and winch-head mounted in coaxial alignment on said platform with said winch-head disposed at one side of the vertical path of said bucket and having the other depending limb of said cable coiled thereon, and the axis of rotation of said winch-head being disposed substantially at right angles to the depending limb of the cable wound thereon.

1,461,651. WHEELED TOY. RALPH P. FOX, Harrisburg, Pa. Filed Mar. 13, 1922. Serial No. 543,250. 2 Claims. (Cl. 46—45.)



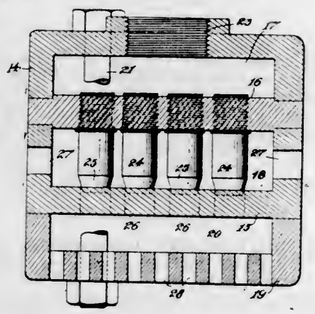
1. A toy of the character described comprising spaced wheels, an axle connecting said wheels, a stationary sleeve surrounding said axle, a handle, a handle support comprising a substantially U-shaped member straddling said sleeve and secured thereto, said handle being received by said support, a platform, a pivot for said platform, said pivot being passed through the handle and said support therefor and associated therewith, a bushing surrounding the pivot and interposed between the platform and said handle, means for rotating the platform incident to the rotation of said wheels, and a toy figure carried by the platform.

1,461,652. DISPLAY LAST. ABRAHAM E. GOODWIN, Newburyport, Mass., assignor to Lynn Last Company, Lynn, Mass., a Corporation of Massachusetts. Filed June 8, 1922. Serial No. 566,754. 10 Claims. (Cl. 35—17.)



1. A last having a representation of a shoe formed on the surface thereof.

1,461,653. EMULSIFYING APPARATUS. GEORGE GRINDROD, Oconomowoc, Wis., assignor to Carnation Milk Products Company, Oconomowoc, Wis., a Corporation of Delaware. Original application filed Aug. 12, 1919, Serial No. 316,966. Divided and this application filed Oct. 15, 1921. Serial No. 508,014. 5 Claims. (Cl. 99—2.)



2. In an emulsifier, a steam pressure receiving chamber having a plurality of jet orifices communicating

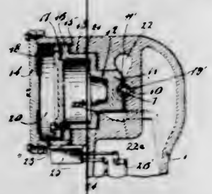
therewith and through which the steam is adapted to impinge upon a liquid and break up the liquid into minute globules, expansion chambers to receive the individual jets, and an ejector chamber into which the jets and liquid globules are directed through the expansion chambers, said ejector chamber having outlet orifices through which the liquid globules are distributed under steam pressure into a surrounding body of emulsifying liquid.

1,461,654. COLLAPSIBLE FUNNEL. WILLIAM J. HAESSLER, Philadelphia, Pa. Filed July 17, 1922. Serial No. 575,719. 4 Claims. (Cl. 225—38.)



1. In combination, an annulus, a frame-like member supported thereby, a slide operating within the annulus, means for guiding the slide in its movements, a funnel constructed of flexible water proof material, rib elements connecting the funnel with said slide, slotted lugs projecting inwardly from the annulus and constituting guides for said rib elements, and means for operating said slide, whereby the funnel is extended for use when the slide is elevated, and collapsed within the frame-like member when the slide is lowered.

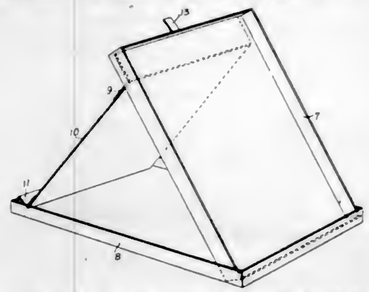
1,461,655. FORGING MACHINE. FRANK A. HALLECK, Oak Park, Ill., assignor to Sullivan Machinery Company, a Corporation of Massachusetts. Filed May 2, 1919. Serial No. 294,270. 12 Claims. (Cl. 76—5.)



1. In a forging machine, a pair of relatively movable die members, a relatively reciprocable cylinder and piston, relative reciprocation of said cylinder and piston causing relative movement of said die members, and self-contained means for causing a flow of air across the faces of said die members including relatively movable pressure variation producing members actuated on relative movement of said cylinder and piston.

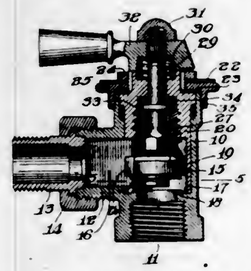
1,461,656. DISPLAY BOX. ADA K. HARNED, New York, N. Y. Filed Mar. 25, 1921. Serial No. 455,666. 1 Claim. (Cl. 206—44.)

A display device comprising a box consisting of a cover and body, a leg member hinged to the back of the box body and to the top of the box cover by a flexible hinge embracing a flange of the box cover, said flexible hinge adapted to allow certain play to the said leg member to permit the same to be braced against the inside



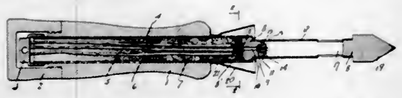
of the flange of the box cover when the device is in operative position, thereby removing the strain from the flexible hinge.

1,461,657. RADIATOR VALVE. CHARLES V. HAYNES, Philadelphia, Pa., assignor to Hoffman Specialty Company, New York, N. Y., a Corporation of Illinois. Filed Feb. 10, 1919. Serial No. 276,156. 2 Claims. (Cl. 251—156.)



1. In a radiator valve, a body having an inlet at the bottom, a valve seat coaxial with the inlet and na outlet of rectangular section at the side, an adjustably held sleeve fitting in the body and having an opening corresponding in shape with the outlet section, a cap and connections retaining the sleeve in position and holding the end of the sleeve against the body about the valve seat, packing sealing the cap against the body and sleeve and the joint between them, a valve carried by the sleeve and adapted to engage the valve seat and rotary axially-fixed means for rotating the valve.

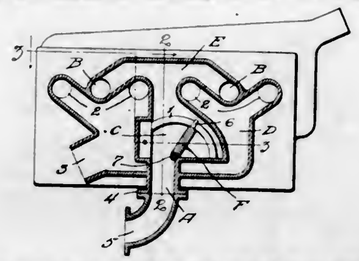
1,461,658. TORCH. IRVING M. HAYWARD, Brooklyn, N. Y. Filed Dec. 6, 1921. Serial No. 520,309. 5 Claims. (Cl. 158—27.)



1. A self heating tool comprising a combined fuel reservoir and vaporizing chamber, and a container coacting with the walls of said reservoir to retain a quantity of preheating fuel.

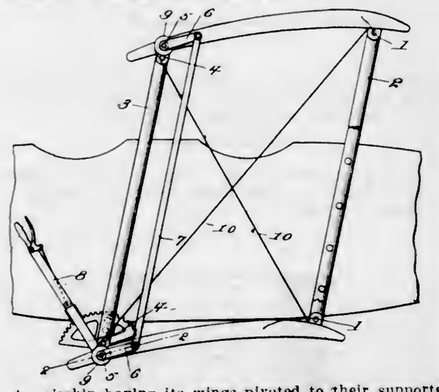
1,461,659. FUEL-ECONOMIZING DEVICE FOR INTERNAL-COMBUSTION ENGINES. JAMES C. HENRY, East St. Louis, Ill. Filed Apr. 19, 1920. Serial No. 375,030. 10 Claims. (Cl. 123—122.)

1. An attachment for internal combustion engines, consisting of a device provided with a narrow elongated slot through which the mixture supplied by the carburetor passes before entering the cylinders of the engine, means for heating the mixture passing through said device, and means for enabling the effective length of



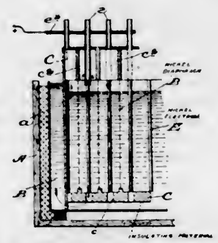
said slot to be varied when the engine is in operation so as to increase or diminish the supply of combustible mixture to the engine.

1,461,660. LANDING DEVICE. HENRY C. F. HOLZ, Salt Lake City, Utah. Filed Dec. 9, 1922. Serial No. 605,861. 1 Claim. (Cl. 244—29.)



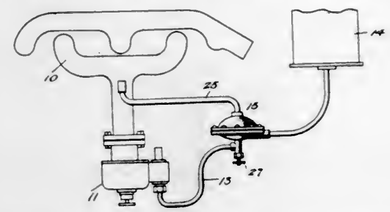
An airship having its wings pivoted to their supports at the front ends, movable means for connecting the rear ends of the wings together, and means for adjusting the movable means vertically to change the inclination of the wings, such means consisting of drums mounted on the rear portion of the wings, cables connected with the drums and with the diagonally opposite front portions of the wings and manually operated means for actuating the drums.

1,461,661. ELECTROLYZING APPARATUS FOR THE MANUFACTURE OF OXYGEN AND HYDROGEN. GEORGE FRANÇOIS JAUBERT, Paris, France. Filed Apr. 4, 1922. Serial No. 549,602. 2 Claims. (Cl. 204—5.)



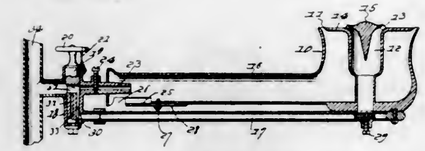
1. An apparatus for manufacturing oxygen and hydrogen by electrolysis, having nickel electrodes, and nicke diaphragms perforated to form a fine mesh and separating the electrodes.

1,461,662. INTERNAL-COMBUSTION ENGINE. FRED N. KAWAMURA, Denver, Colo. Filed Jan. 5, 1920. Serial No. 349,422. 1 Claim. (Cl. 123—198.)



The combination with an internal combustion engine having a carbureter, of a fuel supply tank, a conduit for establishing communication between the carbureter and said tank, a valve casing disposed in said conduit and having an inwardly extending tubular projection, a diaphragm secured within the casing in spaced relation with respect to said tubular projection, a valve carried by said diaphragm and normally disposed in closed position to prevent the passage of fuel from the tank to the carbureter, spring means surrounding said tubular projection and co-acting with the valve casing of a diaphragm for positively holding said valve in closed position, and a pipe connected with the intake manifold of the engine and the tubular projection for establishing communication between the interior of the engine and the interior of the valve casing to open said valve while the engine is in operation.

1,461,663. GAS BURNER. JEAN KEMMER, Ilion, N. Y. Filed Oct. 27, 1921. Serial No. 510,696. 1 Claim. (Cl. 158—105.)

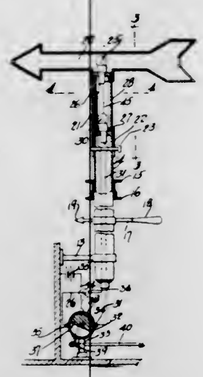


A device for the purpose indicated comprising concentric main and auxiliary burners of which each is provided with a chamber and suitable spreaders at the top thereof, a pair of fuel conductors arranged in superimposed relation of which the upper is in communication with the main burner chamber and the lower in communication with the auxiliary burner chamber, a valve casing having means for connection to a source of fuel supply and in operative connection with both of said fuel conductors, a valve mounted in said casing and ported to admit fuel into both conductors simultaneously or into the conductor in communication with the auxiliary burner chamber, depending on the position of the valve, and an air control means mounted on the fuel conductor in communication with the main burner chamber and consisting of a gate for sliding movement longitudinally of said conductor to more or less open an air inlet in the bottom of said conductor adjacent its point of communication with the valve casing, said gate being slotted longitudinally, and a screw threaded into said conductor and passing through said slot, the head of the screw bearing on the gate for the purpose specified.

1,461,664. DIRECTION INDICATOR. OTTO CHARLES KNIGGE, New York, N. Y. Filed Dec. 13, 1921. Serial No. 522,086. 4 Claims. (Cl. 116—48.)

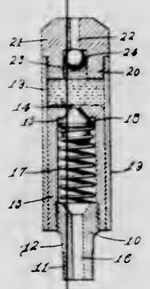
1. A direction indicator for vehicles comprising a bracket carried by the dash of the vehicle, a standard mounted in said bracket and projecting through the top of the vehicle, said standard having a reduced portion on

its upper end forming a base for a lamp housing, a direction indicator, and a tubular extension projecting from said direction indicator, said tubular extension being of



a diameter to permit of its passing over the upper end of said standard to complete the lamp housing and form a mount for said direction indicator on said standard.

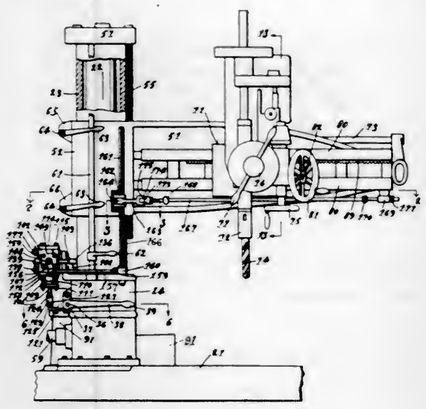
1,461,665. GREASE CUP. WILLIAM PETER KOEPFLER, Ponchatoula, La. Filed Mar. 31, 1922. Serial No. 548,400. 1 Claim. (Cl. 184—105.)



A grease cup provided with a spring pressed valve, in combination with a sliding cup filler formed as a shell telescopically engageable with the grease cup and having its upper end closed except for a bore leading into a chamber, and an upwardly seating valve for closing said bore.

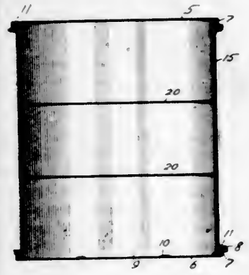
1,461,666. CLAMPING MECHANISM FOR RADIAL DRILLING MACHINES. JAMES E. LARSH, Cheviot, Ohio, assignor to The Bosdick Machine Tool Company, Cincinnati, Ohio, a Corporation of Ohio. Filed June 18, 1921. Serial No. 479,541. 4 Claims. (Cl. 77—28.)

1. In a radial drilling machine, the combination of a swingable drill-arm, a support on which said drill-arm swings, a clamp between said swingable drill-arm and said support, a fluid actuated part for operating said clamp, cushioning means for the latter whereby to cushion said clamp, a valve for said fluid actuated part, and an axially movable rod extending lengthwise of said drill-arm having connection with said valve and ar-



ranged to be manually grasped at various positions along its length for manual movements of said rod axially to operate said valve.

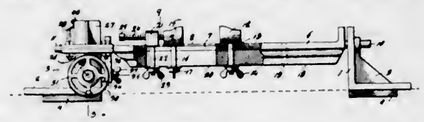
1,461,667. RECEPTACLE. ISIDOR LEVY, Brooklyn, N. Y. Filed Jan. 19, 1922. Serial No. 530,419. 1 Claim. (Cl. 45—71.)



A receptacle comprising a cylindrical body portion having a portion cut away to provide access to the interior thereof, a flanged plate secured to each end of the body portion, said flanged plates being of larger diameter than the diameter of the cylindrical body portion and each plate having a flange extending around its respective end of the cylindrical body portion in spaced relation thereto, a sliding plate conforming to the cylindrical shape of the body portion and adapted to close the access opening thereof, said plate having its edges received in the space between the flanges of the end plates and the cylindrical body portion, and a flange secured to each edge of said closure plate and overlying the flange of its respective flanged plate.

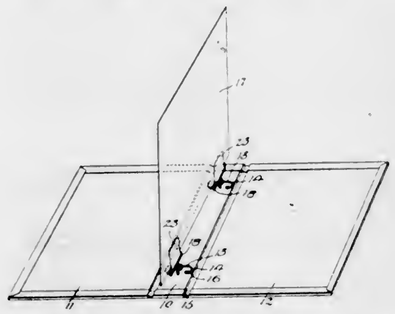
1,461,668. UNIVERSAL FIXTURE. COURTNEY T. MALE, Schenectady, N. Y. Filed June 13, 1921. Serial No. 477,258. 1 Claim. (Cl. 90—60.)

In combination, a table, a fixed jaw mounted on the table, said table provided with a slot, a movable jaw having a shank passing through the slot, means for locking the moveable jaw in a fixed position, a block mounted on the table and having a shank passing through the slot, means for engaging the shank of the



block for locking the block in a fixed position, and a screw element threaded in the block and adapted to engage the movable jaw.

1,461,669. LOOSE-LEAF CONNECTION. FRANCIS L. MARTIN, Brooklyn, N. Y., assignor of one-half to Adolf W. Swiezy, New York, N. Y. Filed June 1, 1922. Serial No. 565,042. 3 Claims. (Cl. 129—1.)



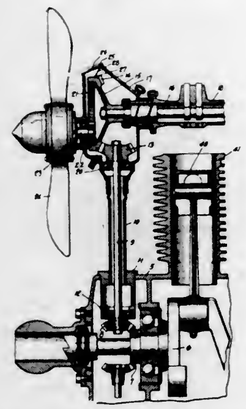
1. In a loose leaf binder, the combination with a binder back provided with transverse bars, of clips adapted to be attached to the leaves and resiliently engaged with the bar, said clips each comprising a single strip of resilient wire bent to provide a medial loop with the terminals thereof in abutting relation and provided with outwardly divergent portions having inwardly coiled extremities adapted to embrace the bar for detachable and shiftable association therewith.

1,461,670. DEVICE FOR INSERTING MAP TACKS. WILLIAM PERCY MILLS, Philadelphia, Pa., assignor to Moore Push-Pin Company, Philadelphia, Pa., a Corporation of Pennsylvania. Filed Jan. 3, 1922. Serial No. 526,829. 1 Claim. (Cl. 1—47.)



A device for inserting headed map tacks which consists of a strip of suitable spring metal of prong shape, the opposite sides of which terminate in hollow semi-spherical outwardly projecting portions adapted to receive the heads of the map tacks, the inner edges of said semi-spherical portions being provided on their lower edges with complementary notches adapted to receive the shanks of the map tacks and the inner edges of said semi-spherical portions being also provided at their opposite side edges with complementary notches adapted to receive the shanks of the map tacks.

1,461,671. TIMING INDEX. VICTOR W. PAGÉ, Kew Gardens, New York, N. Y. Filed June 2, 1921. Serial No. 474,428. 3 Claims. (Cl. 29—84.)



1. In a cam shaft assembly, a cam shaft, a housing, said housing being provided with a window, a driving gear for the cam shaft and having a portion thereof constantly visible through said window, a stationary pointer carried by the housing, and means carried by the driving gear and adapted to coincide with said pointer to indicate the relative position of the cam shaft and the mechanism adapted to be operated thereby.

1,461,672. SPRING MOUNTING. VICTOR W. PAGÉ, Kew Gardens, New York, N. Y. Filed June 18, 1921. Serial No. 478,527. 3 Claims. (Cl. 267—54.)

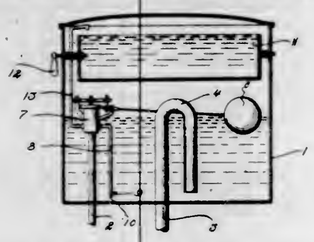


3. An attaching means for springs of vehicles comprising a plurality of bearing blocks rigidly carried by the frame of the vehicle, a bearing mounted for universal movement in said bearing blocks, and a spring mounted for sliding movement in said bearing, said spring having a cylindrical hollow end forming a lubricant receptacle whereby lubricant is fed to the sliding bearing and the universal bearing, substantially as described.

1,461,673. FLUSH TANK. OSCAR C. PAPIN, Dubuque, Iowa. Filed Oct. 24, 1921. Serial No. 509,889. 2 Claims. (Cl. 4—5.)

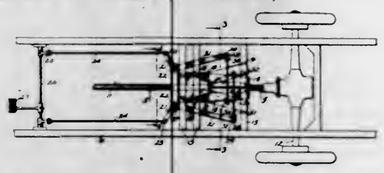
1. A flush tank of the class described comprising a goose neck outlet pipe, an inlet pipe, a valve connected with the inlet pipe, a float controlling the same, a tank rotatably mounted in the flush tank, manually operated

means for rotating the same, a feed pipe leading from the valve of the inlet pipe to the rotary tank, and adjust-



able means for checking the flow of water from the inlet pipe into the flush tank to cause the rotary tank to be filled first.

1,461,674. AUTOMOBILE BRAKE. GORDON PARSON, Plainfield, N. J. Filed July 9, 1921. Serial No. 483,615. 7 Claims. (Cl. 188—67.)

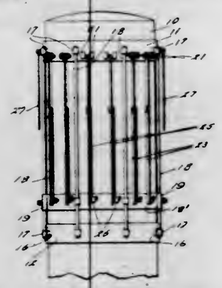


5. A brake for vehicles, including a shaft, a block surrounding the shaft, a pair of brake shoes pivotally mounted at one of their ends to said block and moving toward or from said shaft on said pivoted ends.

1,461,675. RECLAIMING VULCANIZED RUBBER. WILLIAM BEACH FRATT, Wellesley, Mass., assignor to E. H. Clapp Rubber Company, Boston, Mass., a Corporation of Massachusetts. Filed May 25, 1918, Serial No. 236,464. Renewed Dec. 6, 1922. 3 Claims. (Cl. 18—52.)

3. In reclaiming vulcanized rubber, digesting such rubber at an elevated temperature with approximately 2% to 10% of a volatile solvent obtained by digesting oil of turpentine with oxalic acid at an elevated temperature and removing the acid.

1,461,676. RACK. PATRICK T. REGAN, Bayonne, N. J., assignor of one-half to E. J. Quinn, Bayonne, N. J. Filed July 5, 1922. Serial No. 572,830. 2 Claims. (Cl. 126—342.)



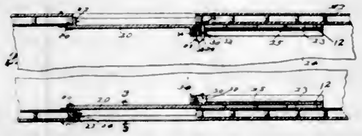
1. A drying rack adapted for use with a circular support, comprising upper and lower split bands adapted to embrace the support, spaced vertically disposed rods supported by said bands, a plurality of supporting arms pivoted on the upper band and normally arranged in parallelism with said support, and adapted to be arranged horizontally for use, a brace for said arms, said brace consisting of a semi-circular member slidable on said rods, and rods connecting said circular member with said supporting arm and pivotally associated with said parts, and means for connecting the said sliding brace member with the upper band when the arms are swung to a position for use.

1,461,677. SLIDE RULE. CLARENCE NEWTON REYNOLDS, Jr., Providence, R. I. Filed Aug. 27, 1921. Serial No. 496,028. 6 Claims. (Cl. 235—70.)



2. In a slide rule for illustrating the implications of Einstein's restricted theory of relativity, the combination with a body having a scale marked thereon for indicating the longitudinal velocities, two slides mounted in the body, one above the other, one slide being provided with windows, two scales marked on the slide provided with windows, one for indicating the time corresponding to the longitudinal velocities and one for indicating transverse velocities relating to the longitudinal velocities, and a scale marked on the other slide for indicating time of the transverse velocities.

1,461,678. CAR DOOR. HENRY RHOBECKER, Columbus, Ohio. Filed July 15, 1921. Serial No. 484,894. 3 Claims. (Cl. 20—22.)



1. A car door mounted for horizontal sliding movement at the inner surface of the car wall and having upper and lower guides for the corresponding edges thereof and a housing guide extending from the rear edge thereof and parallel with the side wall of the car for the reception of the door when open, the door being adapted at its free or front edge to overlap the inner surface of the door jamb or frame in its closed position, a guide clip disposed to receive the overlapping portion of said edge, and an outwardly extending stop flange being provided adjacent to the free or front edge of the door and extending the full height thereof for abutting contact with the inner surface of the door jamb or frame.

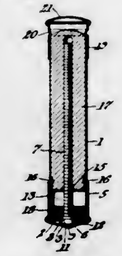
1,461,679. GARMENT. ISAAC ROGGEN, Yonkers, N. Y. Filed June 1, 1922. Serial No. 565,021. 4 Claims. (Cl. 2—92.)



4. In a placket construction, a garment member having a placket opening, a binding for said opening, said bind-

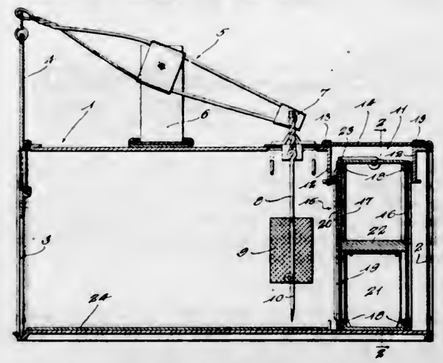
ing comprising two plies of material, one ply longer than the other and one end of each ply secured to the said member, an edge of each ply secured to the edge of the member along said opening, each ply folded to extend on opposite sides of the crotch of said opening, the shorter ply terminating between the longer ply and the member to serve as a reinforcement for said crotch, said plies permanently held in place by securing means passing through the opposite folds of said plies and the said member adjacent the crotch.

1,461,680. LIP-STICK CONTAINER. LE ROY ROOT, Brooklyn, N. Y., assignor to Scovill Manufacturing Company, Waterbury, Conn., a Corporation of Connecticut. Filed June 1, 1922. Serial No. 565,022. 8 Claims. (Cl. 206—56.)



1. In a lip-stick container, a tubular body, an end cap, a threaded stem providing a revoluble connection between said body and cap and non-revoluble with respect to said cap, and a follower mounted within said body and having cooperative engagement therewith and with said threaded stem, whereby by relative revoluble movement between said body and cap said follower will be moved longitudinally of said body.

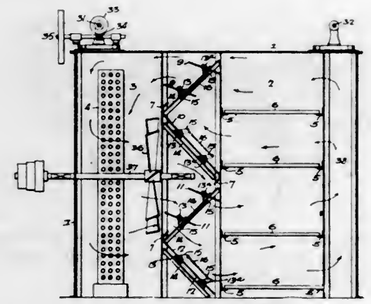
1,461,681. ANIMAL TRAP. JOHN P. SCHUCKMAN, Wichita, Kans. Filed Feb. 27, 1922. Serial No. 539,545. 5 Claims. (Cl. 43—61.)



1. In an animal trap, a compartment having an opening in one side formed by striking the metal inwardly to provide spaced guide flanges for co-action with a cage which is designed to be inserted and removed through said opening, said flanges co-acting with the cage to prevent displacement and to facilitate insertion.

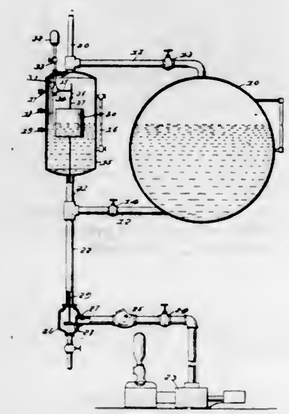
1,461,682. TRAY DRIER. WALTER M. SCHWARTZ, Philadelphia, Pa., assignor to Proctor & Schwartz, Incorporated, Philadelphia, Pa., a Corporation of Pennsylvania. Filed July 12, 1921. Serial No. 484,130. 6 Claims. (Cl. 34—39.)

1. The combination in a drying machine, of a heating compartment; a drying compartment; a partition separating the two compartments; and including two sets of baffles; automatic means for opening one set of baffles



and for closing the other set of baffles; and means for circulating air in the two compartments.

1,461,683. BOILER-FEED MECHANISM. DAVID C. SEARS, Altus, Okla., and ARTHUR M. BRADFORD, Clovis, N. Mex. Filed Nov. 13, 1920. Serial No. 423,788. 2 Claims. (Cl. 137—101.)

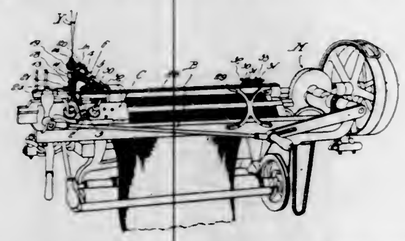


1. A feed water system for boilers having a water column consisting of a casing enclosing a float and in communication at its upper and lower ends with the boiler by means of steam and feed water pipes of which the latter is in communication with a water supply pump, a float controlled feed water valve interposed in said feed water pipe between the boiler and the feed water pump, and an alarm mechanism having a pressure controlling valve in communication with the upper end of the water column casing and operatively connected with the float, said valve having its stem provided with a cross arm and a link connecting the cross arm with the float.

1,461,684. PLATING HALF-ROTARY FEED GUIDE. NAPOLEON HENRY SEYMOUR, Waltham, Mass. Filed May 4, 1922. Serial No. 558,486. 9 Claims. (Cl. 66—12.)

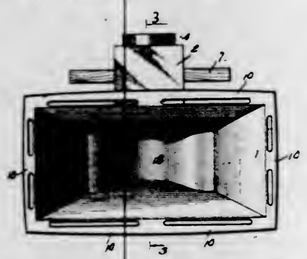
1. A feed drive for knitting machines comprising a bearing bracket for connection with the moving carriage of a knitting machine, a stem rotatably carried by the bracket and having a thread-passage, means for impart-

ing rotary movement to the stem, and means for limiting rotation of the stem, said means consisting of a yoke



bar secured to the stem and extending transversely thereof with its end portions extending to engage the bracket and limit rotation of the stem.

1,461,685. AMPLIFIER. RUFUS PAUL SILVERTHORN, Marion, Ohio. Filed Nov. 10, 1921. Serial No. 514,297. 2 Claims. (Cl. 181—27.)



1. A tone amplifier for phonographs, including a horn, and a frame around the mouth of the horn, said frame being disconnected from the horn mouth at intervals around the horn, the length of such disconnected parts of the frame being several times greater than the maximum lateral dimension of the frame.

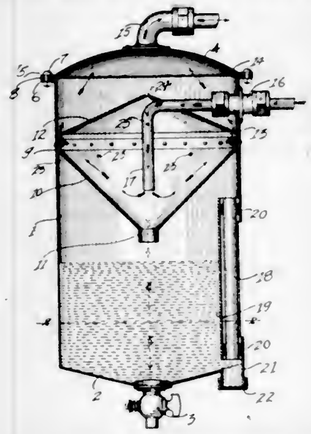
1,461,686. TOOL. REGINALD W. STONE, Pasadena, Calif. Filed Jan. 24, 1922. Serial No. 531,488. 1 Claim. (Cl. 15—104.01.)



A scraper tool, comprising a substantially rectangular body which is milled and which has its corners rounded, said body having one of its ends widened and formed with a reduced extension whose edges and end are sharpened, said handle having its opposite end provided with a reduced portion terminating in a spoon-shaped extension, the outer end of the spoon-shaped extension being pointed, its upper edges sharpened and its sides integrally formed with sharpened scraping edges.

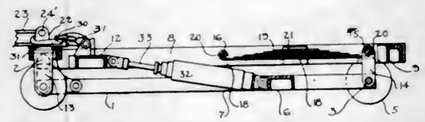
1,461,687. FUEL CLEANER. ROY E. STROBEL, San Luis Obispo, Calif. Filed June 24, 1921. Serial No. 480,173. 3 Claims. (Cl. 210—165.)

2. In a fuel cleaner, a receptacle having an inlet and outlet adapted to be connected in a liquid fuel line to an engine, said inlet terminating in a downwardly extending discharge and within the receptacle, a funnel shaped baffle in the receptacle and an inverted baffle supported above the first named baffle, said inverted baffle being smaller than the first named baffle and having an opening between the respective edges of both baffles, the downwardly extending end of the inlet protruding through the inverted baffle with its discharge end confined within the enclosure made by both of the baffles, and a clearing screen in the receptacle between the baffles and the outlet, a removable top for the receptacle with the said outlet arranged therein and said



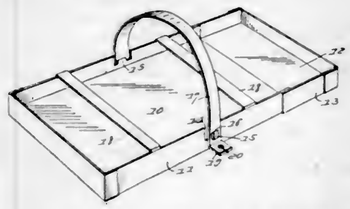
clearing screen being mounted transversely across the receptacle and held in place by the fastening for the said removable top, the bottom of the receptacle providing a sump with a drain cock in the base thereof; whereby foreign substances separated from the fuel may be collected in the sump and released by said drain cock at intervals.

1,461,688. LIFTING TRUCK. WILLIAM STUEBING, JR., Cincinnati, Ohio. Filed Dec. 24, 1919. Serial No. 347,181. 8 Claims. (Cl. 254—10.)



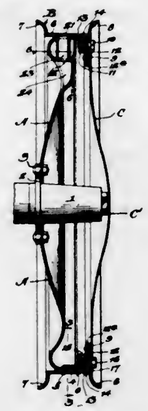
1. In a lifting truck of the character described, a wheeled base, an elevating platform, and means for raising said platform including solid resilient mechanism adapted to permit the platform to move relatively to said base, said resilient mechanism being connected between the base and platform.

1,461,689. FLY-PAPER HOLDER. OLAF JOHAN SWANSON, Chappaqua, N. Y. Filed Oct. 22, 1921. Serial No. 509,538. 2 Claims. (Cl. 206—61.)



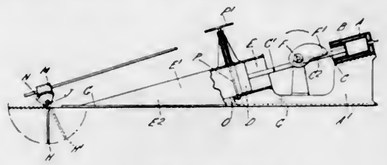
1. A fly paper holder consisting of a tray having side and end walls or flanges and transverse guards connecting the side walls, one of said guards arranged at an intermediate portion of the length of the tray being arched to form a handle and being provided near its extremities with openings for engagement by tongues formed on the side walls of the tray.

1,461,690. DISK WHEEL. EILET M. TORKELSON and BASIL MEIGS, Washington, D. C. Filed Nov. 20, 1922. Serial No. 602,123. 12 Claims. (Cl. 301—63.)



9. A disk wheel construction including a hub, a main disk having a felly flange, a sectional rim construction including a main section adapted to fit on said felly flange and having a retaining flange extending inwardly toward the axis of the wheel, a cover disk carried by said retaining flange, a tire locking member detachably secured to said retaining flange, anchoring lugs carried by the felly flange of the main disk, and fastenings for connecting the retaining flange of the main section of the rim to the said lugs.

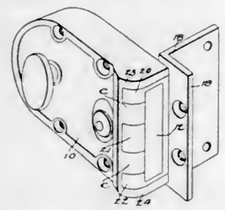
1,461,691. METHOD OF AND MEANS FOR PROPELLING AND CONTROLLING VESSELS. THOMAS G. TULLOCH, London, England. Filed Feb. 27, 1920. Serial No. 361,707. 7 Claims. (Cl. 115—14.)



1. A propeller for vessels comprising a water cylinder communicating with an opening in the vessel, a piston operable in said water cylinder, an explosive cylinder, a piston operable in said explosive cylinder, means connecting the two pistons, and means for operating the explosive cylinder piston for compressing a charge in the cylinder, said operating means allowing a rapid movement of the piston in one direction but effecting a slow movement of the piston in the opposite direction.

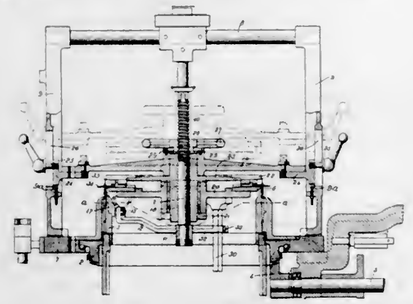
1,461,692. LOCK. ANDREW YUROW, New York, N. Y., assignor to Samuel M. Elowsky, Brooklyn, N. Y. Filed Aug. 2, 1922. Serial No. 579,247. 4 Claims. (Cl. 20—46.)

1. The combination with a lock of the character described including a casing, a bolt consisting of a pair of side bars and a crossbar uniting said side bars at the front ends, and a keeper with which the bolt is en-



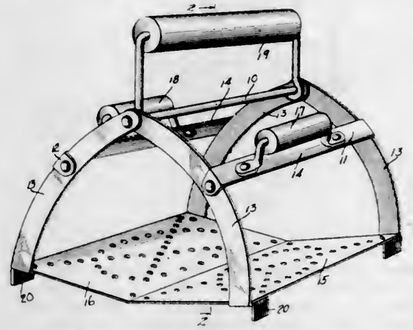
gageable, of guard lugs extending from one end of the casing and overlying the side bars of the keeper at the front and rear faces thereof.

1,461,693. CIRCULAR RIB-KNITTING MACHINE. THOMAS CHARLES BROMLEY and WALTER CAVERS, Leicester, England, assignors to Mellor Bromley & Co. Limited, Minotaur Works, Leicester, England. Filed Aug. 10, 1921. Serial No. 491,112. 5 Claims. (Cl. 66—22.)



1. In a circular rib knitting machine, in combination, a rotary needle cylinder, a fixed spindle coincident with the axis of said cylinder, a dial rotatably mounted upon said spindle and movable up and down thereon, a rotary frame carried by said spindle and situated within the needle cylinder, dogs on the inside of said cylinder to drive said frame, and a rod fixed to and projecting from the dial and passing slidably through the rotary frame to transmit rotation from the latter to the dial.

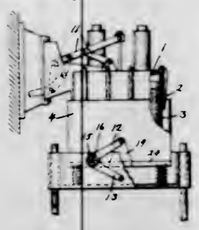
1,461,694. LIFTING DEVICE. JOSEPH BURKLEY, Treadwell, N. Y. Filed Feb. 13, 1922. Serial No. 536,215. 1 Claim. (Cl. 53—1.)



A utensil for handling articles of food, comprising two sets of arc-shaped arms, a rod projecting through the

upper ends of said arc-shaped arms pivotally connecting them together, rigid members connecting each pair of arc-shaped arms, a perforated plate attached to the lower ends of each set of arms, the inner edges of the plates contacting, forming a continuous platform when in normal position, handles attached to the rigid members mounted on the arc-shaped arms presenting a means for operating the pairs of arms, and a handle provided with hook members for detachably engaging the rod joining the upper ends of the arc-shaped arms for lifting the device.

1,461,695. ELECTRIC SWITCH. GEORGE A. BURNHAM, Saugus, Mass., assignor to Sears B. Condit, Brookline, Mass. Filed Oct. 12, 1920. Serial No. 416,504. 18 Claims. (Cl. 200—150.)

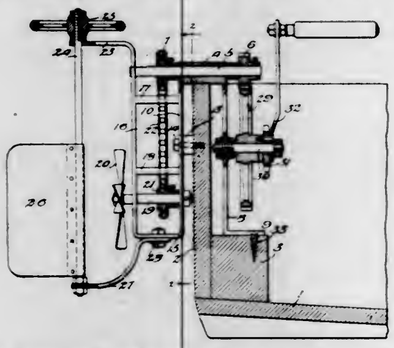


1. An electric switch having a component adapted to move to absorb energy, yielding supporting means for said component, and yielding means to control the action of said supporting means.

1,461,696. SHOE DRESSING. SALVATORE CASSISA, Far Rockaway, N. Y. Filed June 2, 1922. Serial No. 565,445. 3 Claims. (Cl. 134—7.)

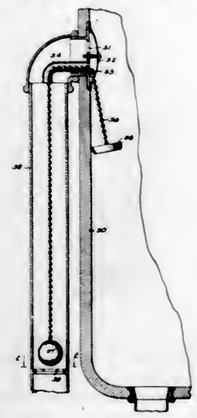
2. A shoe dressing containing plaster of Paris, borax, magnesia, sugar, starch and glycerine in proportions substantially as specified.

1,461,697. PROPELLING ATTACHMENT FOR BOATS. JOHN N. COUGHLAN, New York, N. Y. Filed June 5, 1922. Serial No. 565,855. 1 Claim. (Cl. 115—24.)



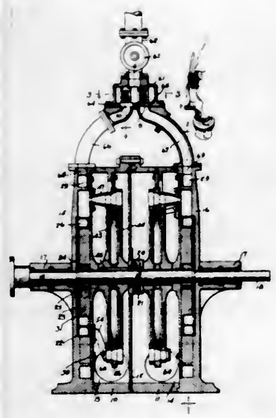
A propelling attachment for boats, which comprises a bearing portion adapted to rest on the upper edge of the rear transom of a boat, a dependent plate on the front end of the bearing portion fastened to an interior portion of the boat, a U-shaped frame connected to the rear end of the bearing portion, a transverse plate on the frame, means for fastening the transverse plate of the U-shaped frame to the rear face of the transom, a driving gear supported on said plate, a driving shaft extending through said bearing portion, a pinion on the front end of said shaft meshing with said gear, a pinion on the rear end of said shaft, the rear end of said shaft being journalled in one part of the U-shaped frame, a driven shaft journalled in the U shaped frame, a pinion on said shaft, a chain connecting the pinion on the driven shaft and the pinion on the rear end of the driving shaft, a propeller on the rear end of the driven shaft, outwardly and rearwardly projecting bracket plates connected to the upper and lower ends of the U-shaped frame, a rudder shaft journalled at its ends in said bracket plates, a rudder on said shaft, means for permitting the movement of said rudder, a pinion attached to said driving gear, and a handle attached to said pinion.

1,461,698. BATH AND BASIN FITTING. FAY CHASE DARLING, Walton, N. Y. Filed Feb. 8, 1923. Serial No. 617,896. 2 Claims. (Cl. 4—35.)



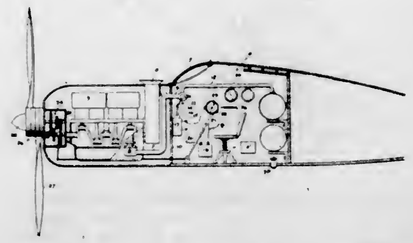
1. In combination with a bath or basin fitting having a discharge opening and a stopper therefor and an overflow opening, a flexible member connected to the stopper, and a counterweight connected to said flexible member, said counterweight being adapted to move the flexible member through the overflow opening of the fitting to cause disengagement of the stopper from the discharge opening of said fitting.

1,461,699. TURBINE. LOUIS DE SANTIS, Yonkers, N. Y. Filed Aug. 10, 1921. Serial No. 491,314. 6 Claims. (Cl. 253—147.)



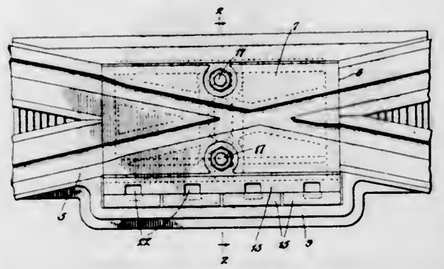
1. A turbine including a plurality of rotor units mounted on a common drive shaft, a casing having independent compartments for separately housing said rotary units, each unit consisting of high and low pressure rotors, an annular high pressure fluid supply chamber surrounding the high pressure rotors of each unit, a primary intake leading from said supply chambers to the high pressure rotors, a plurality of circumferentially spaced auxiliary intakes leading from said high pressure supply chamber to each high pressure rotor, and manually controlled means for selectively opening and closing the said auxiliary intakes.

1,461,700. AEROPLANE. ELMER E. NICHOLS, Oakland, Calif. Filed July 25, 1921. Serial No. 487,383. 2 Claims. (Cl. 244—30.)



1. An aeroplane embodying in its construction a fuselage having an air-tight compartment therein, and means for supplying atmospheric air to said compartment, an oxygen supply carried by the body of plane and means operating automatically when the atmospheric pressure in the compartment reaches a predetermined point, to cut off the atmospheric air supply to the compartment and admit oxygen from said tank.

1,461,701. FROG OR CROSSING STRUCTURE. CHARLES A. PSILANDER, Easton, Pa., assignor to William Wharton, Jr. & Company, Incorporated, Easton, Pa., a Corporation of Pennsylvania. Filed Apr. 18, 1923. Serial No. 632,891. 12 Claims. (Cl. 246—460.)

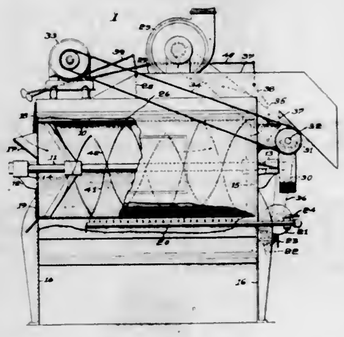


5. A central insert formed with a full section body and with continuous side flanges of reduced cross-section, whereby it has sufficient inherent flexibility to respond to selective deflection to resist crowning.

1,461,702. FRUIT-SIZING APPARATUS. FRED STEBLER and RALPH E. DAVIS, Riverside, Calif., assignors to Stebler Parker Co., Riverside, Calif., a Corporation of California. Filed Feb. 16, 1922. Serial No. 536,896. 10 Claims. (Cl. 130—32.)

1. In a sizing apparatus, the combination of spaced sizing units, a sorting belt to receive fruit from one of the sizing units and discharge it upon the other sizing unit, means to direct all of the fruit from the first sizing unit to one side of the sorting belt, and means to operate the sizing units and the sorting belt.

1,461,703. METHOD OF TREATING GRAIN GERM AND SCUTELLUM. DAVID CHIDLOW, Ridgefield, Conn., assignor to James F. Strachan and William S. Strachan, both of Montreal, Canada. Filed May 2, 1923. Serial No. 636,091. 7 Claims. (Cl. 83—42.)



1. The method or process of preserving the germ and scutellum of grain and the life sustaining vitamins contained therein, which consists in heating the germ and scutellum to a sufficiently high temperature and for a sufficient period of time to render the germ and scutellum invulnerable to the destructive action of the air while maintaining the heat below a temperature sufficient to destroy the vitamins in the germ and scutellum.

1,461,704. CARLINE. CHARLES D. BONSALL, Parnassus, Pa., assignor to P. H. Murphy Company, Parnassus, Pa., a Corporation of Pennsylvania. Filed Aug. 7, 1920. Serial No. 401,842. 7 Claims. (Cl. 108—5.6.)

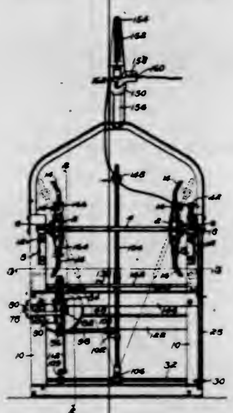


1. A carline comprising a longitudinal portion of substantially inverted U section of uniform width with webs on each side terminating in the same horizontal plane and decreasing in height towards each end and having flanges in said plane increasing in width towards each end.

1,461,705. WINDING AND HANKING MACHINE. ARTHUR E. DUNHAM, Brockton, Mass., assignor to Brockton Welting Co., Inc., Brockton, Mass., a Corporation of Massachusetts. Filed Sept. 15, 1921. Serial No. 500,990. 9 Claims. (Cl. 242—53.)

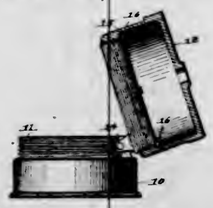
1. In a machine of the class described, in combination, means to hold the free end of the material to be wound; an eye through which the material to be wound extends between said holding means and its source of supply; reel members provided with arms upon which

to wind the material, and mechanism comprising a movable arm and movable guide therefor to impart to said



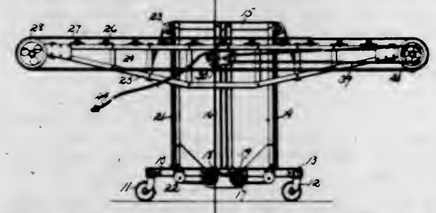
eye movement substantially in the form of an 8 to wind the material in the form of a hank upon said arm.

1,461,706. RADIATOR CAP. GERALD E. FORCE, New York, N. Y., assignor to Helmet Cap Company, New York, N. Y. Filed May 12, 1922. Serial No. 560,430. 4 Claims. (Cl. 220—32.)



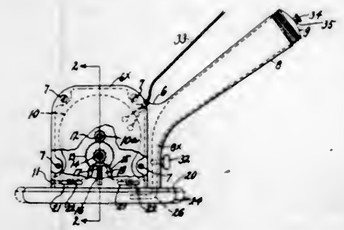
1. The combination with a radiator filling neck and an internally shouldered cap adapted to fit thereover, of a cap-retaining member contained within the cap and held against separation therefrom by engagement with said shoulder, and a connection between the retaining member and neck permitting the retaining member to be moved to positions overlying or lateral of the neck.

1,461,707. PORTABLE CONVEYER. GUSTAVE HANSON and CHARLES A. NELSON, East Berlin, Conn., assignors, by direct and mesne assignments, to Lancaster Iron Works, Lancaster, Pa., a Corporation of Pennsylvania. Filed Apr. 7, 1920. Serial No. 371,927. 11 Claims. (Cl. 198—126.)



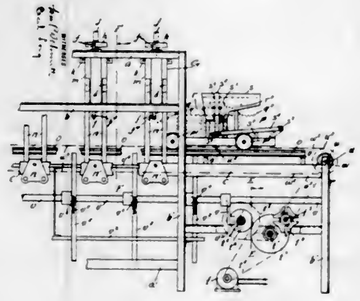
1. A conveyer comprising a base, a supporting frame rising from the base, a conveyer frame rigid from end to end, extending on opposite sides, and supported for vertical movement on said supporting frame and projecting beyond the supporting frame on opposite sides thereof, means for independently lifting either end of said conveyer frame, said lifting means being supported by said supporting frame, and a conveyer movably mounted on said conveyer frame.

1,461,708. POLISHING MACHINE. FRANK A. MARCELLO, St. Paul, Minn., assignor of four-tenths to Joseph Franchi, St. Paul, Minn. Filed Apr. 3, 1922. Serial No. 548,945. 4 Claims. (Cl. 91—39.)



1. In a device of the class described, a hollow downwardly opening housing, an integral hollow handle, an electric motor secured within the housing, a polishing pad secured in sliding parallel relation and adjacent to the bottom of said housing, means interposed between the motor axle and said pad for reciprocating the latter and means for conveying oil from the hollow handle into and through the bottom of said pad and means for controlling the flow of oil from the handle.

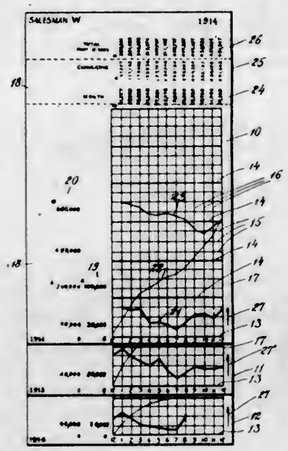
1,461,709. MACHINE FOR MAKING ICE-CREAM CONES AND THE LIKE. FREDERICK H. MILLER, Portland, Oreg. Filed Dec. 27, 1915. Serial No. 68,910. 29 Claims. (Cl. 107—58.)



1. In a baking machine, an oven comprising a core and a divided mold, means for opening and closing the mold parts, a batter-applying element adapted to apply batter to the core between the separated mold parts when the mold is open, and means for operating said batter-applying element in time with the opening and closing of the mold.

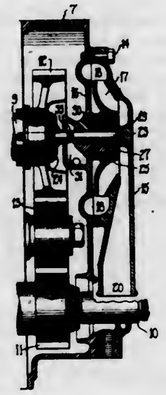
1,461,710. CURVE RECORD SYSTEM. WILLARD C. BRINTON, New York, N. Y. Filed Sept. 26, 1917. Serial No. 193,391. 35 Claims. (Cl. 283—1.)

1. A plurality of translucent sheets having variously colored curves thereon adapted to be compared by being superposed or overlapped, each sheet being provided with major coordinate lines which are correspondingly spaced on the several sheets and are adapted to register when the sheets are compared, and intermediate coordinate



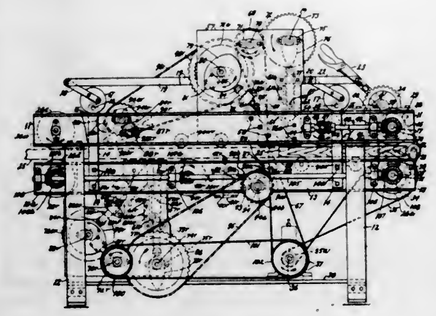
lines which are non-correspondingly spaced on the several sheets but cooperate with the major coordinate lines on each sheet.

1,461,711. COOLING-LIQUID-PUMP MOUNTING FOR INTERNAL-COMBUSTION ENGINES. ARTHUR A. BULL, Detroit, Mich., assignor to General Motors Corporation, Detroit, Mich., a Corporation of Delaware. Filed Feb. 9, 1920. Serial No. 357,447. 20 Claims. (Cl. 123—175.)



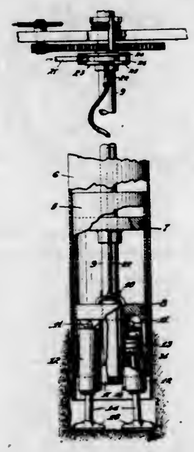
1. In combination in an internal combustion engine having a jacket space through which a cooling liquid may flow, and driving mechanism through which the valve operating shaft of the engine is driven from the crank shaft thereof; a cover secured to the engine and enclosing said driving mechanism; a casing member secured to said cover and co-operating therewith to form a pump chamber; a discharge conduit leading from said pump chamber through said cover and discharging into the jacket space aforesaid, and through which a stream of cooling liquid is supplied thereto; a rotating impeller located within said pump chamber; a driving shaft located in line with the valve operating shaft of the engine and with which said valve operating shaft is operatively connected; a boss formed within said pump chamber and surrounding said driving shaft and upon which boss said rotating impeller is supported; and driving means intermediate said driving shaft and said impeller and through which said impeller is driven from said driving shaft.

1,461,712. NAIL-PULLING MACHINE. WALLACE ELLIS, Beloit, Wis., assignor of one-half to William Ray, Beloit, Wis. Filed May 20, 1922. Serial No. 562,305. 11 Claims. (Cl. 254—18.)



1. In a device of the class described, a rigid elongated frame and a secondary vertically adjusted frame below the rigid frame, means within said frames for moving a number of planks longitudinally between them and means for removing protruding nails from the planks during the movement of the same.

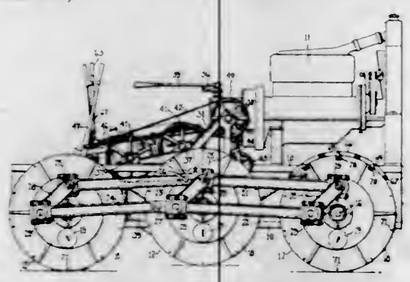
1,461,713. WELL DRILL. FRANK L. GILMAN and JOSEPH R. WILSON, Los Angeles, Calif., assignors of one-fourth to Reni S. Berry, Los Angeles, Calif.; said Wilson assignor of one-third of his right to Caswell C. Matlock, Los Angeles, Calif. Filed July 22, 1921. Serial No. 486,675. 7 Claims. (Cl. 255—4.)



1. In a drill, a head, a plurality of cylinders pivoted on said head, pistons in said cylinders, drills carried by said pistons, means controlled by pivotal movement of

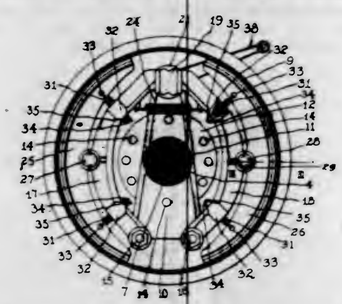
said cylinders for admitting air under pressure to said cylinders, and means for automatically effecting reciprocation of said pistons on delivery of air to the cylinders.

1,461,714. TRACTOR. WILLIAM N. SPRINGER, Janesville, Wis., assignor to General Motors Corporation, Detroit, Mich., a Corporation of Delaware. Filed Aug. 16, 1919. Serial No. 317,922. 20 Claims. (Cl. 180—17.)



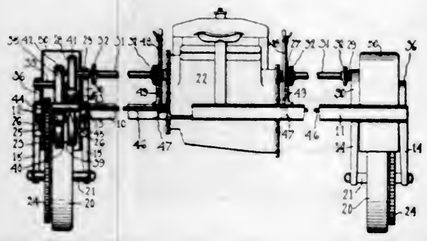
1. In a self-propelled vehicle of the class described, a driving shaft; a motor operatively connected with said shaft; two pairs of driven shafts, the individual shafts of each pair being parallel and spaced apart from one another; means whereby the individual shafts of each pair of driven shafts are driven simultaneously and in opposite directions from and by said driving shaft; driving wheels located one upon either side of the vehicle; and gearing whereby and through which each driving wheel may be driven from either one of the driven shafts of one of said pairs of driven shafts.

1,461,715. MOTOR VEHICLE. JOHN W. WHITE, Jr., Detroit, Mich., assignor to General Motors Corporation, Detroit, Mich., a Corporation of Delaware. Filed Apr. 5, 1919. Serial No. 287,894. 12 Claims. (Cl. 188—78.)



11. In brake mechanism of the class described, a brake drum; a brake shoe supporting lever suitably supported within and movable relative to said drum; a brake shoe operated by said lever; two curved seats formed one in said lever and the other in said brake shoe; a spool arranged between said lever and said shoe and within the curved seats aforesaid; and two springs located one upon each side of said spool, one end of each spring being connected with said shoe and the other with said lever.

1,461,716. FARM TRACTOR. LLOYD BLACKMORE, Highland Park, Mich., assignor to General Motors Corporation, Detroit, Mich., a Corporation of Delaware. Filed July 2, 1920. Serial No. 393,612. 18 Claims. (Cl. 180—17.)



1. In a tractor of the class described and in combination with a main supporting frame, two unitary driving devices one located upon each side of the tractor and at each end of said main frame and each of which devices comprises a supplemental top frame, and two pairs of depending legs the upper ends of which are fixedly secured to said top frame and which legs are arranged one pair in front of the other; two driving wheels associated with each of said driving devices and which wheels are arranged in tandem and are rotatably supported one between the lower ends of each pair of legs; means whereby said top frames may be secured one to each end of said main frame; an engine carried by said main frame and adapted to drive the tractor; two driving shafts driven by said engine and through which the driving wheels upon opposite sides of the tractor are driven from said engine; two oppositely rotating pulleys located above each of said supplemental top frames and which pulleys are driven from the driving shafts aforesaid; two driven shafts one supported by each of the top frames aforesaid, and each of which shafts is provided with two driven pulleys; two normally loose belts associated with each of said driving devices and which belts pass about the oppositely rotating pulleys aforesaid and about the pulleys upon the driven shaft associated with each driving device; and two belt tightening devices, one associated with the two belts through which the driving wheels upon each side of the tractor are driven and whereby one or the other of said belts may be tightened, to thereby drive the driving wheels with which they are associated.

Patents Nos. 1,461,717 to 1,462,469.

THE
OFFICIAL GAZETTE
OF THE
United States Patent Office.

Vol. 312—No. 3. TUESDAY, JULY 17, 1923. Price—$5 per year.

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Trade-Marks	334—No.	170,362 to No.	170,695, inclusive.
Labels	29—No.	26,220 to No.	26,248, inclusive.
Prints	10—No.	6,819 to No.	6,828, inclusive.
Reissues	7—No.	15,653 to No.	15,659, inclusive.
Designs	27—No.	62,660 to No.	62,686, inclusive.
Patents	753—No.	1,461,717 to No.	1,462,469, inclusive.
Total	1160		

Reciprocity of the Laws of Poland Recognized.

(ORDER No. 2,826.)

U. S. PATENT OFFICE, *Washington, June 30, 1923.*

Notice is hereby given that the laws of Poland are recognized as affording to citizens of the United States privileges substantially reciprocal to the privileges accorded by the Nolan Act of March 3, 1921 (41 Stat. L., 1313), and that consequently all the privileges specified in said act will be extended to its citizens.

THOMAS E. ROBERTSON,
Commissioner.

ADJUDICATED PATENTS.

(U. S. C. C. A. Va.) Pugh patent, 1,030,428, for process of manufacturing wire-spoke rims, *Held* void and not infringed. *Wire Wheel Corp. of America* v. *Budd Wheel Co.*, 288 Fed. Rep., 308.

(U. S. C. C. A. Ohio.) Patent 1,284,432 invalid and not infringed. *Westinghouse Electric & Mfg. Co.* v. *Formica Insulation Co.*, 288 Fed. Rep., 330.

(U. S. C. C. A. Va.) Lindsay patent, Reissue 14,461, for driving wheel and axle, *Held* invalid and not infringed. *Wire Wheel Corp. of America* v. *Budd Wheel Co.*, 308 Fed. Rep., 308.

ADVERSE DECISIONS IN INTERFERENCE.

In interferences involving the indicated claims of the following patents final decisions have been rendered that the respective patentees were not the first inventors with respect to the claims listed:

Pat. 1,309,637, E. Klahn, Gyro apparatus, decided June 8, 1923, claim 1.

Pat. 1,381,932, J. E. Redford, Automatic slack adjuster, decided June 6, 1923, claims 1 and 2.

Interference Notice.

U. S. PATENT OFFICE, *Washington, June 21, 1923.*

Richard L. Clements, his assigns or legal representatives, take notice:

An interference having been declared by this Office between the patent granted December 26, 1922, No. 1,440,067, to Richard L. Clements, care of J. E. Regan Machine Works, 76 Seventh Street, Long Island City, N. Y., and an application for patent filed by Melchior Armato, 1284 Clybourn Avenue, Chicago, Ill., and a notice of such declaraton sent by registered mail to said Clements at the address of record and reforwarded to 4 Ketcham Place, Elmhurst, N. Y., the address furnished by his attorney, having been returned by the post office undeliverable, notice is hereby given that unless said Clements, his assigns or legal representatives, shall enter an appearance therein within thirty days from the first publication of this order the interference will be proceeded with as in case of default.

This notice will be published in the OFFICIAL GAZETTE for three consecutive weeks.

KARL FENNING,
Acting Commissioner.

Patent Office Publications

The stock of the following publications is held for sale by the Patent Office, and orders for same should be addressed to the Commissioner of Patents:

Weekly Index—Annual subscription	$1.00
Commissioner's Decisions:	
Weekly edition—Annual subscription	2.00
Single numbers	.05
Trade-Mark Section of OFFICIAL GAZETTE:	
Weekly edition—Annual subscription	2.50
Single numbers	.05
Manual of Classification of the German Patent Office, (translated,) paper cover	1.00
Index to German Classification	1.00
Definitions of Revised Classes and Subclasses, edition of 1912, (Bulletins 1 to 27, inclusive)	.50
Bulletins, excepting Nos. 28, 29, and 30, (now out of print,) published since 1912, each	.10

Other publications than those above named, exclusive of printed copies of patents, trade-mark registrations, etc., formerly held for sale by the Patent Office, have been transferred to the Superintendent of Documents, Government Printing Office. Orders for such publications should NOT be sent to the Patent Office, but to the Superintendent of Documents, to whom all remittances for such publications should be made payable.

Printed copies of specifications and drawings of patents, trade-mark registrations, etc., will be furnished by the Patent Office, as heretofore.

Condition of Applications Under Examination at Close of Business July 6, 1923.

(Total number of applications awaiting action, excluding Trade-Mark Division, 75,051; Trade-Mark Division, 3,695; Oldest new case, Sept. 2, 1922; oldest amended, Sept. 1, 1922. The dates given are 1922 except where * indicates 1923.)

Room No.	Divisions, Examiners, and subjects of inventions.	Oldest new application and oldest action by applicant awaiting office action.		No. of applications awaiting action.
		New	Amended	
314	1. LOEFFLER, F. A., Closure Operators; Fences; Gates; Harrows and Diggers; Plows; Planting; Scattering Unloaders; Trees, Plants, and Flowers.	Oct. 3	Sept. 23	1,248
128	2. HADEN, C. F. (Acting), Bee Culture; Dairy; Preserving; Presses; Tents, Canopies, Umbrellas, and Canes; Tobacco.	Sept. 6	Sept. 12	1,550
175	3. RICH, WM. J., Electric Heating and Rheostats; Electrochemistry; Heating; Metal Founding; Metallurgical Apparatus; Metallurgy; Metal Treatment; Plastic Metal Working.	Oct. 2	Oct. 5	1,729
234	4. MERRITT, A. D., Conveyers, Chutes, Skids, Guides, and Ways; Conveyers, Fluid Current; Conveyers, Power Driven; Excavating; Handling—Hand and Hoist-Line Implements; Material or Article Handling; Pushing and Pulling Implements; Railway Mail Delivery; Traversing Hoists.	Sept. 25	*Feb. 14	1,488
167	5. MACNAB, J. F., Bookmaking; Books, Strips, and Leaves; Harvesters; Jewelry; Manifolding; Music; Printed Matter; Tying Cords or Strands.	Sept. 7	Sept. 29	1,450
318	6. LEWERS, A. M., Bleaching and Dyeing; Chemicals; Chemistry—Carbon Compounds; Explosive, Pyrotechnic, and Match Compositions; Fertilizers; Liquid Coating Compositions; Medicines; Plastic Compositions; Substance Preparation	Sept. 16	*Feb. 20	1,868
312	7. JARBOE, C. G., Games and Toys; Optics; Photography	Sept. 2	Nov. 23	2,720
133	8. CLIFT, J. W., Beds; Chairs and Seats; Furniture; Kitchen and Table Articles; Store Furniture; Supports.	*Jan. 5	*Mar. 26	1,561
221	9. TRYON, F. M., Air and Gas Pumps; Hydraulic Motors; Injectors and Ejectors; Motors, Fluid; Motors, Fluid Current; Pumps.	Oct. 23	*May 25	859
235	10. MITCHELL, T. H., Land Vehicles; Land Vehicles, Animal Draft Appliances; Land Vehicles—Bodies and Tops; Land Vehicles—Dumping; Land Vehicles, Wheel Substitutes; Motor Vehicles.	Sept. 18	Oct. 21	1,489
154	11. ARMSTRONG, H. C., Boot and Shoe Making; Boots, Shoes, and Leggings; Button, Eyelet, and Rivet Setting; Harness; Hides, Skins, and Leather; Leather Manufactures; Nailing and Stapling; Whips and Whip Apparatus.	*Jan. 2	Nov. 7	999
322	12. PIERCE, P. P., Machine Elements	Dec. 4	Dec 26	1,449
329	13. NIXON, G. A., Bolt, Nail, Nut, Rivet, and Screw Making; Chain, Staple, and Horseshoe Making; Driven, Headed, and Screw-Threaded Fastenings; Gear Cutting, Milling, and Planing; Metal Drawing; Metal Forging and Welding; Metal Rolling; Metal Working; Needle and Pin Making; Turning.	Sept. 16	*Mar. 20	1,229
323	14. BRUMBAUGH, N. J., Compound Tools; Cutting and Punching Sheets and Bars; Farriery; Metal Bending; Metal Tools and Implements, Making; Sheet-Metal Ware, Making; Tools; Wire Fabrics and Structure; Wire Working.	Sept. 13	*Feb. 8	1,182
308	15. REDROW, W. L., Glass; Laminated Fabric and Analogous Manufactures; Paper Making and Fiber Liberation; Plastic Block and Earthenware Apparatus; Plastics.	Sept. 19	Nov. 4	2,105
112	16. BACKUS, C. D., Radiant Energy; Telegraphy; Telephony	Sept. 11	Sept. 11	2,516
307	17. RAFTER, G. S., Casting, Label Pasting, and Paper Hanging; Nut and Bolt Locks; Ornamentation; Paper Manufactures; Printing; Type Casting; Sheet-Material Associating or Folding; Sheet or Web Feeding or Delivering; Type Setting.	Sept. 8	Dec. 2	1,544
229	18. PORTER, M. E., Liquid Heaters and Vaporizers; Motors, Expansible-Chamber Type; Power Plants; Speed-Responsive Devices.	Sept. 1	Sept. 1	2,073
236	19. GLASCOCK, E. S., Automatic Temperature and Humidity Regulation; Furnaces; Heating Systems; Stoves and Furnaces; Thermostats and Humidostats.	Dec. 18	*Mar. 23	760
179	20 WRIGHT, H., Artificial Body Members; Miscellaneous Hardware; Closure Fasteners; Cutlery; Dentistry; Locks and Latches; Safes; Undertaking.	Nov. 4	Nov. 27	2,047
212	21. THURBER, W. L., Textiles; Textiles, Braiding, Netting, or Lace Making; Textiles, Cloth Finishing; Textiles, Fiber Preparation; Textiles, Knitting; Textiles, Spinning; Textiles, Twisting or Twining; Textiles, Weaving; Winding and Reeling.	Sept. 7	*Mar. 1	1,016
249	22. COLWELL, J. H., Aeronautics; Firearms; Ordnance; Ammunition and Explosive Devices; Ammunition and Explosive-Charge Making; Air Guns, Catapults, and Targets; Boats and Buoys; Ships; Marine Propulsion.	Oct. 4	*Jan. 6	601
217	23. GROESBECK, W. D., Acoustics; Coin Handling; Recorders; Registers; Sound Recording and Reproducing.	Sept. 7	Sept. 14	858
144	24. DURAS, C. O., Apparel; Apparel Apparatus; Garment Supporters; Sewing Machines	Sept. 8	Nov. 24	1,457
315	25. LIGHTFOOT, J. B., Agitating; Butchering; Centrifugal-Bowl Separators; Mills; Threshing; Vegetable Cutters and Crushers; Gas Separation.	*Jan. 26	*Jan. 15	525
105	26. HODGES, J. S., Electricity, Generation; Motive Power; Prime-Mover Dynamo Plants	Sept. 14	Sept. 27	951
214	27. ANDERSON, L. S., Abrading; Brush, Broom, and Mop Making; Brushing, Scrubbing, and General Cleaning; Laundry; Washing Apparatus.	Sept. 9	Sept. 22	2,136
225	28. BENSON, A. R., Internal-Combustion Engines	Oct. 11	Nov. 18	1,493
147	29. MORRIS, B. N., Boring and Drilling; Button Making; Chucks or Sockets; Coopering; Tool-Handle Fastenings; Wheelwright Machines; Wood Sawing; Wood Turning; Woodworking; Woodworking Tools.	Oct. 19	*Jan. 15	729
152	30. SULLIVAN, M. B., Illuminating Burners; Illumination; Liquid and Gaseous Fuel Burners; Typewriting Machines.	Sept. 5	*Feb. 9	2,001
172	31. HOLMES, W. N., Alcohol; Ammonia, Water, and Wood Distillation; Charcoal and Coke; Gas, Heating and Illuminating; Hydraulic Cement and Lime; Mineral Oils; Oils, Fats, and Glue; Sugar and Salt.	Sept. 9	Sept. 21	1,703
278	32. BANCROFT, J. F., Gas and Liquid Contact Apparatus; Heat Exchange	Sept. 5	Oct. 11	1,385
70	33. WYMAN, W. I., Bridges; Hydraulic and Earth Engineering; Masonry and Concrete Structures; Metallic Building Structures; Roads and Pavements; Roofs; Rod Joints or Couplings; Pipe Joints or Couplings; Valved Pipe Joints or Couplings.	Oct. 16	Oct. 16	1,684
304	34. SIMPSON, O. R., Electricity-Transmission to Vehicles; Pneumatic Dispatch; Railways; Railway Rolling Stock; Railway Switches and Signals; Railways, Surface Track; Railway Wheels and Axles; Store Service; Track Sanders; Vehicle Fenders.	Dec. 9	*Jan. 20	816
52	35. REYNOLDS, E. C., Buckles, Buttons, Clasps, Etc.; Card, Picture, and Sign Exhibiting; Signals and Indicators; Toilet.	*Jan. 29	*Mar. 15	1,137
204	36. MORTON, G. L., Automatic Weighers; Driers; Geometrical Instruments; Measuring Instruments; Force Measuring.	Dec. 21	Dec. 1	2,028
107	37. TAYLOR, E. C., Electricity, Circuit Makers and Breakers	Sept. 5	Sept. 13	1,977
378	38. IDE, G. R., Animal Husbandry; Earth Boring; Fishing, Trapping, and Vermin Destroying; Mining, Quarrying, and Ice Harvesting; Stationery; Stoneworking; Walls.	Sept. 16	Sept. 1	1,927
220	39. COWLES, A. W., Fluid-Pressure Regulators; Multiple Valves; Valves; Water Distribution	Sept. 9	Sept. 8	1,435
269	40. OBERLIN, J. J., Baggage; Bottles and Jars; Cloth, Leather, and Rubber Receptacles; Deposit and Collection Receptacles; Metallic Receptacles; Package and Article Carriers; Paper Receptacles; Special Receptacles and Packages; Woolen Receptacles.	Sept. 15	*Feb. 26	2,145
125	41. BROWN, J. L., Land Vehicles, Wheels and Axles; Resilient Tires and Wheels	Dec. 12	Nov. 18	928
114	42. CUTTING, H. O., Electrical Conduits and Housings; Electric Signaling; Electric Lamps	Oct. 19	Oct. 31	1,681
382	43. HOPKINS, F. M., Baths and Closets; Electricity, Medical and Surgical; Fire Extinguishers; Sewerage; Surgery; Liquid Separation or Purification.	Oct. 12	Oct. 13	1,342
253	44. SHAFFER, C. H., Bread, Pastry, and Confection Making; Dispensing; Dispensing Beverages; Filling and Closing Portable Receptacles; Railway Draft Appliances; Refrigeration.	Sept. 11	*Feb. 1	1,233
379	45. GILES, A. H., Journal Boxes, Pulleys, and Shafting; Lubrication; Motors; Spring Devices	Sept. 27	Oct. 11	1,530
332	46. WOLCOTT, C. L., Curtains, Shades, and Screens; Educational Appliances; Fire Escapes; Ladders; Fluid Sprinkling, Spraying, and Diffusing; Paper Files and Binders; Wooden Buildings; Scaffolds.	Nov. 2	Nov. 21	1,431
264	47. BARKER, H., Brakes; Clutches and Power Stop Control; Elevators; Fluid-Pressure Brake and Analogous Systems; Horology; Time Controlling Mechanism.	Oct. 18	*Jan. 8	1,196
118	48. ROEPKE, O. B., Electricity Conductors; Electricity, General Applications	Sept. 6	Sept. 6	2,372
383	49. EDINBURG, F. P., Check-Controlled Apparatus; Domestic Cooking Vessels; Fuel and Igniting Devices; Joint Packings; Packed Shaft or Rod Joints; Pneumatics; Velocipedes.	Oct. 11	Sept. 23	665
102	DESIGNS: C. O. MARKHAM (Acting)	Oct. 13	*Jan. 25	2,773
163	TRADE-MARKS, LABELS AND PRINTS: T. L. MEAD, JR. {Trade-Marks	*Feb. 23	*May 2	3,656
	{Labels and Prints	*June 30	*July 3	39

DECISIONS IN PATENT AND TRADE-MARK CASES.

Commissioner's Decision.

EX PARTE A. SCHMIDT & SON.

Decided February 21, 1923.

PRINTS—REGISTRATION FOR LINE OF GOODS.

An advertisement relating to "Old and Modern Silver, Sheffield Plate, Old and Modern Glass, Garnitures and Fine Porcelains" should not be refused registration as a print "because it does not identify any particular goods," since the goods listed are articles of manufacture and there is no ground for holding that the print must relate to a specific individual article.

ON APPEAL.

PRINT.

Mr. Chauncey P. Carter for the applicants.

FENNING, *Assistant Commissioner:*

This is an appeal from the action of the Examiner of Trade-Marks refusing to register an advertisement as a print. The print indicates that it relates to "Old and Modern Silver, Sheffield Plate, Old and Modern Glass, Garnitures and Fine Porcelains." The Examiner refuses to register because it—

does not identify any particular goods, but does identify a line of goods.

The statute of 1874, under which prints are registered, indicates that when they are "designed to be used for any other articles of manufacture" they may be registered. It seems clear to me that the goods listed by applicant are articles of manufacture, and there is no ground for holding that the print must relate to a specific individual article. Where an applicant presents a plurality of prints, each identifying different specific goods, and requests that they all be included in a single registration, a different problem is presented.

In *ex parte Ruppert* (1906, C. D., 142; 121 O. G., 2327) a print apparently was registered for "malt liquors including beer and ale." Following this case, the Examiner of Trade-Marks is reversed.

Court of Appeals of the District of Columbia.

NULYNE LABORATORIES *v.* ELECTRO-ALKALINE COMPANY.

No. 1,502. Decided January 2, 1923.

TRADE-MARKS—"CHLOROX" AND "CLOROX" GOODS OF DIFFERENT DESCRIPTIVE PROPERTIES.

Assuming that, in a sufficiently diluted form, a bleaching, cleansing, and antiseptic compound may be successfully used as an antiseptic or mouth wash, the goods are not similar to and do not possess qualities different from tooth paste, and where at the time of the adoption and use of the mark by appellant, in connection with the sale of tooth paste, appellee did not contemplate the preparation and sale of a tooth paste or a mouth wash and its preparation was neither intended for nor capable of use as a tooth paste appellee should not be permitted to appropriate the business and established good will of the appellant, notwithstanding the fact that officers of the appellee company testified that they had used their preparation as a tooth wash.

Mr. F. L. Chappell for Nulyne Laboratories.

Mr. W. S. Hodges and *Mr. Geo. R. Walton* for Electro-Alkaline Company.

Before SMYTH, Chief Justice, and ROBB and VAN ORSDEL, Associate Justices.

ROBB, *J.:*

Appeal from a decision of the Commissioner of Patents, in a trade-mark opposition case in which the Office refused to register "Chlorox" for appellant as a trade-mark for tooth paste, on the ground of conflict with appellee's previously registered mark "Clorox," for use on "bleaching, cleansing, and antiseptic compounds."

In February of 1915 the appellees, a corporation located at Oakland, California registered the following mark and claimed use since July 15, 1914:



According to the testimony of the president of appellee corporation, its preparation is put up in bottles and the directions thereon—

simply state what it is used for, as a germicidal, disinfectant and antiseptic and a bleach.

This witness, testifying in August of 1920, stated that for "over two years" he had used it as a "tooth wash." The testimony of the other witnesses for appellee was substantially the same, except that its Manager stated that its preparation was used—

for laundry purposes, household, creameries, hospitals, swimming pools, purification of water, bathing suits.

This witness further stated that he had used it as a tooth wash "for probably four years, off and on," but he admitted that it never had been sold for that purpose. It further appeared that just prior to the taking of the testimony appellee had considered putting up a tooth paste and mouth wash.

Appellant, a corporation located in the city of Jackson, in the State of Michigan, filed its application in June of 1921 and alleged use since November of 1917.

We are convinced that, at the time of the adoption and use of the mark by appellant, in connection with the sale of tooth paste, appellee did not contemplate the preparation and sale of a tooth paste or mouth wash. We are further convinced, by the evidence offered for appellee, that its preparation was neither intended for nor capable of use as a tooth paste. It may be assumed that, in a sufficiently-diluted form, it may be successfully used as an antiseptic or mouth wash.

This, therefore, is a case in which the goods of the parties are dissimilar and possess different qualities and characteristics. (See *Anglo-American Incandescent Light Co.* v. *General Electric Light Co.*, 43 App. D. C., 385; 215 O. G., and *Fishback Soap Co.* v. *Kleeno Mfg. Co.*, 44 App. D. C., 6; 210 O. G., 663.) When appellant adopted its mark the field was open. In other words, there is nothing to raise a doubt as to its good faith, and we therefore do not think appellee should be permitted, at this late day, to appropriate the business and goodwill thus established. This was the view of the Examiner of Interferences, who said:

> The mere fact that the goods of the opposer can be used as an essential ingredient of a tooth paste is deemed by the examiner not to justify the conclusion that tooth paste and these goods possess the same descriptive properties.

The decision appealed from is reversed.

Reversed.

Court of Appeals of the District of Columbia.

U. S. COMPRESSION INNER TUBE CO. *v.* CLIMAX RUBBER CO.

No. 1,579. Decided June 4, 1923.

TRADE-MARKS—ACT OF MARCH 19, 1920—NO APPEAL TO DISTRICT OF COLUMBIA COURT OF APPEALS.

The only appeal specifically provided for in the act of March 19, 1920 (section 8), being to the Commissioner of Patents from the decision of the Examiner clearly implies that Congress by omitting section 9 of the Trade-Mark Act of February 20, 1905, intended to limit the right of appeal under the present act (of March 19, 1920) to the Commissioner of Patents.

Mr. A. E. Wallace for U. S. Compression Inner Tube Co.

Mr. D. P. Wolhaupter for Climax Rubber Co.

Before SMYTH, Chief Justice, and ROBB and VAN ORSDEL, Associate Justices.

VAN ORSDEL, *J.*:

This appeal is from a decision of the Commissioner of Patents sustaining a petition for cancellation of a trade-mark registered by appellant, United States Compression Inner Tube Company, under the act of Congress of March 19, 1920. (41 Stats. L., 533).

We are confronted with a motion to dismiss the appeal on the ground that appeal does not lie to this court from the decision of the Commissioner in cases arising under the 1920 act. The purpose of the act, as stated in the title, is—

> to give effect to certain provisions of the convention for the protection of trade-marks and commercial names, made and signed in the city of Buenos Ayres, in the Argentine Republic, August 20, 1910, and for other purposes.

Previous to the enactment of this law, descriptive geographical and personal names were not subject to registration under the Trade-Mark Act of February 20, 1905, (33 Stats. L., 724), unless they had been used exclusively by the applicant for more than ten years prior to that date.

Paragraph (*a*) of section 1 of the 1920 act, requires the Commissioner of Patents to keep a register of trade-marks and commercial names, sent to him by the international bureaus, which are within the protection of the Buenos Ayres agreement; and paragraph (*b*) provides, among other things, as follows:

> All other marks not registerable under the act of February 20, 1905, as amended, except those specified in paragraphs (*a*) and (*b*) of section 5 of that act, but which had been in bona fide use for not less than one year in interstate or foreign commerce, or commerce with the Indian tribes by the proprietor thereof, upon or in connection with any goods of such proprietor,

are entitled to registration.

Appellant, by its application for registration under subsection (*b*), supra, concedes that the mark in issue is descriptive and, therefore, not subject to registration under the Trade-Mark Act of 1905. This brings us to the proposition presented by the motion to dismiss, whether or not appeal lies to this court from the action of the Commissioner directing the cancellation of a mark registered under the 1920 act. The right of appeal to this court from the decision of the Commissioner of Patents in trade-mark cases, is accorded by section 9 of the Trade-Mark Act of 1905, and unless appellant can establish its right to appeal under the express provisions of that act, the motion to dismiss must be sustained.

Section 6 of the 1920 act, among other things, provides:

> That the provisions of sections 15, 17, 18, 19, 20, 21, 22, 23, 25, 26, 27 and 28 (as to class (*b*) marks only) of the act approved February 20, 1905, entitled "An act to authorize the registration of trade-marks used in commerce with foreign nations or among the several States, or with Indian tribes, and to protect the same," as amended to date, and the provisions of section 2 of the act entitled "An act to amend the laws of the United States relating to the registration of trade-marks," approved May 4, 1906, are hereby made applicable to marks placed on the register provided for by section 1 of this act.

It will be observed that section 9 of the Trade-Mark Act of 1905, providing for appeals from the decisions of the Commissioner of Patents in trade-mark opposition and cancellation proceedings to this court, is not embraced within the provisions of section 6 of the 1920 act. The only appeal specifically provided for in the act, (section 8) being to the Commissioner of Patents from the decision of the Examiner, clearly implies that Congress, by omitting section 9 of the Trade-Mark Act, intended to limit the right of appeal under the present act to the Commissioner of Patents. We are of opinion, therefore, that no right of appeal to this court has been accorded under the 1920 act, and that the motion to dismiss should be sustained.

Appeal dismissed.

Supreme Court of the United States.

CROWN DIE AND TOOL COMPANY *v.* NYE TOOL AND MACHINE WORKS.

No. 240. Decided February 19, 1923.

1. PATENTS—ASSIGNMENT OF CLAIMS AND RIGHTS AGAINST ONE INFRINGER ONLY—SUIT BY THE ASSIGNEE—JURISDICTION OF UNITED STATES COURT.

Where the owner of a patent executed an instrument assigning all its claims arising out of the infringement of the patent by the defendant, and all its rights of excluding the defendant from practicing the invention of the patent, the owner reserving its rights against others, and, both parties being citizens of the same State, the defendant questioned the jurisdiction of the United States court, saying that a suit brought by the assignee under the alleged assignment does not arise under the patent laws of the United States, but is merely a suit on a contract, like one for royalties under a license, *Held* that the validity of the assignment of a patent was involved, which is a question arising under the patent laws.

2. SAME—COMMON-LAW AND STATUTORY RIGHTS OF A PATENTEE.

The Government does not confer on a patentee the right himself to make, use, or vend his own invention. Such right was a right under the common law. In its essence all that the Government confers by a patent is the right to exclude others from making, using, or vending his invention.

3. SAME—MERE RIGHT TO EXCLUDE OTHERS NOT ASSIGNABLE.

The preceding principles do not sustain the further step in the respondent's reasoning, which is that they make the mere right to exclude persons from the making, using, and vending of an invention such an interest in a patent that it can be assigned.

4. SAME—SAME—ILLEGAL DIVISION OF PATENT MONOPOLY.

An effort to divide up the monopoly of patent property, so that the patentee retains his right to make, use, and vend, but gives to many different individuals the right to sue certain named infringers, respectively, if held legal would give the patentee an opportunity without expense to himself to stir up litigation by third persons that is certainly contrary to the purpose and provisions for the assigning of patents.

5. SAME—SAME—SAME—CLAIM FOR DAMAGES FOR INFRINGEMENT NOT MERELY A CHOSE IN ACTION.

The view that the claim of an owner of a patent for damages for infringements is only a chose in action which in modern days may be so assigned that the assignee acquires full title and the right to sue at law as well as in equity without joining his assignor ignores the peculiar character of patent property and the recognized rules for the transfer of its ownership and its rules.

6. SAME—SAME—SAME—POLICY ARISING FROM PATENT STATUTES NOT SET ASIDE BY EQUITY RULE.

The equity rule under which it is urged that every action must be prosecuted in the name of the real party in interest was not intended to set aside a policy and rule having its source in the patent statutes.

7. SAME—SAME—SAME—PARTIES TO SUIT WHERE CLAIMS FOR PAST INFRINGEMENT HAVE BEEN ASSIGNED.

If the owner of the patent when the infringement took place has assigned his patents to one and his claims for damages for infringement to another, then the latter can not sue at law at all, but must compel his assignor of the claims to sue for him. In equity both such assignor and the assignee who is the real party in interest must join as plaintiffs.

ON WRIT of certiorari to the United States Circuit Court of Appeals for the Seventh Circuit.

STATEMENT OF THE CASE.

This was a bill in equity filed in the United States District Court for the Northern District of Illinois by the Nye Tool and Machine Works, a Corporation of Illinois, having its place of business in Chicago, against the Crown Die and Tool Company, a corporation of the same State and doing business in the same city. The plaintiff sought to enjoin the infringement of a patent for a machine for forming screw-thread-cutting devices, and for an accounting of profits and for damages. The inventors were Wright and Hubbard, and the patent issued to their assignee, the Reed Manufacturing Company of Pennsylvania.

The plaintiff based its right to sue on the following instrument which it terms an assignment:

EXHIBIT A.

Whereas, Reed Manufacturing Company, a corporation of Pennsylvania, is the owner of Letters Patent of the United States, No. 1,033,142, for a machine for forming screw-thread cutting devices, granted July 23, 1912, on an application of Wright and Hubbard; and

Whereas, under said patent said Reed Manufacturing Company has the right to exclude others from manufacturing, using and selling the devices of said patent; and

Whereas, it is believed by the parties that Crown Die & Tool Company, a corporation of Illinois, has been manufacturing and using devices in infringement of said patent; and

Whereas, Nye Tool & Machine Works is engaged in the manufacture of dies with which the dies made by said Crown Die & Tool Company, by the use of said infringing machine, are in competition; and

Whereas, Nye Tool & Machine Works is desirous of acquiring from Reed Manufacturing Company all of its rights of exclusion under said patent, so far as the same may be exercised against the Crown Die & Tool Company, together with all rights of the Reed Manufacturing Company against the Crown Die & Tool Company arising out of the infringement aforesaid:

Now, therefore, in consideration of one thousand dollars ($1,000.00), and other good and valuable considerations, the receipt of which is hereby acknowledged, the Reed Manufacturing Company hereby assigns and sets over to the Nye Tool & Machine Works all claims recoverable in law or in equity, whether for damages, profits, savings, or any other kind or description, which the Reed Manufacturing Company has against the Crown Die & Tool Company arising out of the infringement by the Crown Die & Tool Company of the Wright & Hubbard patent No. 1,033,142; and, for the same consideration, assigns and sets over all the rights which it now has arising from said patent of excluding the Crown Die & Tool Company from the practice of the invention of said patent, the intention being that, in so far as concerns the exclusion of the Crown Die & Tool Company under said patent, the Nye Tool & Machine Works shall be vested with as full rights in the premises as the Reed Manufacturing Company would have had had this assignment not been made; and that the Nye Tool & Machine Works shall have the full right to bring suit on said patent, either at law or in equity against said Crown Die & Tool Company, and for its own benefit, to exclude the Crown Die & Tool Company from practicing the invention of said patent, and for its own use and benefit to collect damages which may arise by reason of the future infringement of said patent by the Crown Die & Tool Company, but nothing herein contained shall in any way affect or alter the rights of the Reed Manufacturing Company against other than the Crown Die & Tool Company; and, for the same consideration, all rights as are herein given against the Crown Tool & Die Company are given as against any successor or assignee of the business thereof.

REED MANUFACTURING COMPANY,
By P. D. WRIGHT,
Its President.

The defendant moved to dismiss the bill as follows:

Now comes the defendant, Crown Die and Tool Company, by its solicitor, and moves the Court to dismiss the bill of complaint instituted in the above entitled cause upon grounds and reasons therefor as follows:

1. That the bill of complaint states an alleged cause of action arising out of the assumed infringement of a patent in which plaintiff has no title, and prays an injunction, and accounting and damages.

2. That the owner of the entire or any part of the legal title to the patent sued on is not made a party to the suit.

3. That the legal effect of the alleged assignment set up as the basis of this cause of action and forming part of the bill of complaint herein is contrary to the statutes covering suits for infringement of patents, and shows on its face that the plaintiff has no interest in the patent sued on.

4. That the bill of complaint herein, including the alleged assignment, evidences a conspiracy against this defendant by the parties to the document identified as "Exhibit A," in which the plaintiff and the Reed Mfg. Company assumed the function of the Court in having already decreed that this defendant infringes Patent No. 1,033,142, and now seeks to utilize this Court to annoy and harass the Crown Die and Tool Company by instituting legal proceedings when no right of action exists.

5. That "Exhibit A" attached to the bill of complaint in this case purports only to convey to plaintiff all claims recoverable in law or in equity which the Reed Mfg. Co. may have against the Crown Die and Tool Co., over which subject matter this Court has no jurisdiction.

6. Prior suit pending, between the same parties in this Court, decision of which will determine any questions involved in this case.

Therefore this defendant respectfully moves the Court to dismiss said bill of complaint with its reasonable costs and charges in its behalf most wrongfully sustained.

CROWN DIE & TOOL CO.,
By FLORENCE KING,
Solicitor for Defendant.

The district judge in the interest of expedition granted the motion to dismiss in order that the main question, i. e., the plaintiff's right to sue might be determined by the circuit court of appeals before the expense of an accounting should be incurred, although he thought the plaintiff had acquired the right under the instrument. (270 Fed., 587.) The circuit court of appeals reversed the decree of dismissal, holding the instrument to be a valid assignment of an interest in the patent conferring the right to sue and remanded the cause to the district court for an accounting and further proceedings. (276 Fed., 376.)

Although the decree of the circuit court of appeals is not final, the importance of the question involved and the possible saving of useless litigation led this Court to grant the writ of certiorari before further proceedings in the district court.

Miss Florence King for Crown Die and Tool Co.

Mr. Russell Wiles for Nye Tool and Machine Works.

Mr. Chief Justice TAFT, after stating the case as above, delivered the opinion of the Court.

[1] The petitioner raises a question of jurisdiction. It says that the suit does not arise under the patent laws of the United States, but is merely a suit on a contract like one for royalties under a license of which the district court could not have jurisdiction because the parties are both citizens of the same State. To sustain this argument are cited *Albright* v. *Teas* (106 U. S., 613; 23 O. G., 829); *Pratt* v. *Paris Gas Light Company* (168 U. S., 255), and *Excelsior Wooden Pipe Co.* v. *Pacific Bridge Company* (185 U. S., 282; 99 O. G., 2102). The cases have no application and the point is without merit. The bill in this case is based on an assignment of a patent claimed to be valid under the statutes of the United States, and asking the protection of the patent right thus assigned by injunction and an accounting. It, therefore, involves the validity of the assignment of a patent, which is a question arising under the patent laws because it depends upon their construction, and if the assignment is valid, the suit is just an ordinary suit for injunction and profits dependent on the validity of the patent and its infringement under those same laws. There is no question of royalties by contract in the case.

The main question is an interesting one. The argument of counsel for the respondent and the one upon which the circuit court of appeals proceeded to its conclusion is that the right which the patentee derives from the Government by its grant is not the right to make, use and vend; that such a right is a so-called natural right not dependent on statute but arises under the common law and has no peculiar Federal source of protection other than any other right of liberty or property. All that the Government grants and protects is the power to exclude others from making, using, or vending during the grant of seventeen years. Under the patent law (sec. 4898 R. S.) a patentee may assign by an instrument in writing his patent or any interest therein. It is argued that as the patent is only the power to exclude all from making, using and vending, the power to exclude some particular person from doing so is a part of that power of exactly the same nature and therefore is a definite interest in the patent that can be assigned.

[2] The analysis of the rights which a patentee acquires under the grant is sustained by a line of authorities. (*Bloomer* v. *McQuewan*, 14 How., 539, 548; *Patterson* v. *Kentucky*, 97 U. S., 501; *United States* v. *Bell Telephone Company*, 167 U. S., 224, 249; 79 O. G., 1362; *Bement* v. *National Harrow Company*, 186 U. S., 70, 90; 101 O. G., 887; *Continental Paper Bag Company* v. *Eastern Paper Bag Co.*, 210 U. S., 405; 136 O. G., 1297; *Heaton Peninsular Company* v. *Eureka Specialty Company*, 77 Fed., 288, 294; 78 O. G., 171; *Fuller* v. *Berger*, 120 Fed., 274.) The fullest and most satisfactory discussion of the subject is found in the *Continental Paper Bag Company* v. *Eastern Paper Bag Company*, supra. In that case it was sought to defeat a suit for infringement of a patent by the patentee on the ground that he was not entitled to ask a court of equity to aid him in protecting the grant of the patent to him by the Government because he had failed and neglected ever to use the patent himself or to allow anybody else to do so and therefore had not rendered to the public the benefit and consideration for which the patent was granted. This Court held that the benefit which the Government intended to secure was not the making or use of the patent for the benefit of the public during the seventeen years of the grant except as the patentee might voluntarily confer it from motives of gain, but only the benefit of its public use after the grant expired. The Court held that the Government did not confer on the patentee the right himself to make, use or vend his own invention, that such right was a right under the common law not arising under the Federal patent laws and not within the grant of power to Congress to enact such laws, and that in the absence of the express statutory imposition upon the patentee of the obligation to make, use or vend his patented invention as a condition of receiving his patent, it would not be implied. The Court further held that in its essence all that the Government conferred by the patent was the right to exclude others from making, using or vending his invention.

[3] We do not think, however, that these clearly established principles sustain the next step in the reasoning of the counsel for the respondent and the circuit court of appeals which is that they make the mere right to exclude persons from the making, using and vending of an invention such an interest in a patent that it can be assigned. It ignores the indispensable condition of the granting and establishment of a patent right and patent property that the patentee shall have himself the common-law right of making, using and vending the invention. The sole reason and purpose of the constitutional grant to Congress to enact patent laws is to promote the progress of science and useful arts by securing for limited times to inventors the exclusive right to their respective discoveries. (Art. I, sec. 8, clause 8.) In pursuance thereof, section 4886, Revised Statutes, as amended (29 Stat., 692), provides that any person who has invented or discovered any new and useful art, machine, manufacture or composition of matter or any new or useful improvements thereof, upon certain conditions not important here, may obtain a patent therefor. Section 4884, Revised Statutes, directs that the grant of a patent shall be to the patentee, his heirs or assigns, for the term of seventeen years of the exclusive right to make, use and vend the invention or discovery throughout the United States. An inventor may in writing assign his invention and the right to a patent before the patent is granted, and under section 4895, Revised Statutes, a patent will issue to the assignee. Can it be claimed that an assignment of the right to exclude all from making, using and vending and excepting therefrom the right to make, use and vend in the assignee, would be such an assignment as would justify the Patent Office in issuing the patent under the statute to the assignee? Yet if all that there is in a patent property is the bare right to exclude others from making, using or vending some thing, the patent should issue in such a case.

The error in the position of the respondent and the court below is in a failure to distinguish between the property or title or interest in a patent capable of assignment and the chief incident of that property, title or interest, an incident which can only pass by assignment when attached to the right to make, use and vend. It is the fact that the patentee has invented or discovered something useful and thus has the common-law right to make, use and vend it himself which induces the Government to clothe him with power to exclude everyone else from making, using or vending it. In other words, the patent confers on such common-law right the incident of exclusive enjoyment and it is the common-law right with this incident which a patentee or an assignee must have. That is the implication of the descriptive words of the grant "the exclusive right to make, use and vend the invention." The Government is not granting the common-law right to make, use and vend, but it is granting the incident of exclusive ownership of that common-law right, which can not be enjoyed save with the common-law right. A patent confers a monopoly. So this Court has decided in the Paper Bag case, supra, and in many other cases. The idea of monopoly held by one in making, using and vending connotes the right in him to do that thing from which he excludes others.

Dealing with question of patent assignments under the laws of the United States, Mr. Justice Gray, in *Waterman* v. *Mackenzie* (138 U. S., 252, 255; 54 O. G., 1562), said:

> The monopoly thus granted is one entire thing, and can not be divided into parts, except as authorized by those laws. The patentee or his assigns may, by instrument in writing, assign, grant, convey, either, 1st, the whole patent, comprising the exclusive right to make, use and vend the invention throughout the United States; or, 2nd, an individual part or share of that exclusive right; or, 3rd, the exclusive right under the patent within and throughout a specified part of the United States, Rev. St., par. 4898. A transfer of either of these three kinds of interests is an assignment, properly speaking, and vests in the assignee a title in so much of the patent itself, with a right to sue infringers; in the second case, jointly with the assignor; in the first and third cases, in the name of the assignee alone. Any assignment or transfer, short of one of these, is a mere license, giving the licensee no title in the patent, and no right to sue at law in his own name for an infringement. (Rev. St., par. 4919; Gayler v. Wilder, 10 How., 477, 494, 495; Moore v. Marsh, 7 Wall., 515.)

The learned justice then proceeds (p. 256) to give examples of what would and would not constitute an assignment. A grant of an exclusive right to make, use and vend two patented machines within a certain district, he points out citing *Wilson* v. *Rousseau* (4 How., 646, 686), is an assignment because the right, although limited to making, using and vending two machines excludes all other persons even the patentee from making, using or vending like machines within the district.

> On the other hand [he says] the grant of an exclusive right under the patent within a certain district, which does not include the right to make, and the right to use, and the right to sell, is not a grant of a title in the whole patent right within the district, and is therefore only a license.

In *Gayler* v. *Wilder* (10 How., 477) it was held that the grant of an exclusive right to make and vend an article within a certain territory upon paying to the assignor a cent per pound, reserving to the assignor the right to use and manufacture the article by paying the assignee a cent per pound, was only a license and that a suit for the infringement of the patent right must be brought in the name of the assignor. The effect of the opinion in that case is that the monopoly granted the patentee is for one entire thing and in order to enable an assignee to sue he must have received the entire and unqualified monopoly in the territory specified. Chief Justice Taney's reason for this (p. 494) is useful in this case.

> For [said he] it was obviously not the intention of the legislature to permit several monopolies to be made out of one, and divided among different persons within the same limits. Such a division would inevitably lead to fraudulent impositions upon persons who desired to purchase the use of the improvement, and would subject a party who, under a mistake as to his rights, used the invention without authority, to be harassed by a multiplicity of suits instead of one, and to successive recoveries of damages by different persons holding different portions of the patent right in the same place.

See also *Pope Manufacturing Co.* v. *Gormully Manufacturing Company* (144 U. S., 238, 250; 59 O. G., 471).

[4] These cases do not present the same facts as the one before us; but they indicate clearly what view the courts deciding them would have taken of an effort like that in the case at bar to divide up the monopoly of patent property so that the patentee retains the right to make, use and vend, but gives to many different individuals the right to sue certain named infringers, respectively, and that with the sole motive of harassing them such as is avowed in the recitals of the instrument before us. If held legal, it would give the patentee an opportunity without expense to himself to stir up litigation by third persons that is certainly contrary to the purpose and spirit of the statutory provisions for the assigning of patents.

Nor do we think that the principle of *Patterson* v. *Kentucky* (97 U. S., 501), or the instance of a

patent for an improvement on a machine, patent for which is held by another, involves anything inconsistent with our conclusion that the right to exclude others conferred in a patent can only be conferred upon one who has the common-law right to use, make and vend. In *Patterson* v. *Kentucky*, the patentee had the common-law right to make, use and vend, but the State of Kentucky exercising her lawful police power restricted him in it. In the case of the patentee for improvement on a patented machine, the patentee has the right to make, use and vend the improvement, but he can not make it profitable or useful unless he can secure the right to put it on to another machine.

For the reasons given, we think the attempted assignment in this case carried no part of the title to the patent or interest in it and therefore conferred no right to sue for damages for infringement of the patent after the execution of the instrument.

The remaining question is whether the instrument relied on by the plaintiff below gave it the right to sue in its own name in this case for damages for past infringements. We think not.

[5] The plaintiff below could not bring such a suit for past infringements without joining with it the owner of the patent when the infringements were committed. It is said that the claim of an owner of a patent for damages for infringements is only a chose in action which in modern days may be so assigned that the assignee acquires full title and the right to sue at law as well as in equity without joining his assignor. This view ignores the peculiar character of patent property and the recognized rules for the transfer of its ownership and its incidents. Patent property is the creature of statute law and its incidents are equally so and depend upon the construction to be given to the statutes creating it and them, in view of the policy of Congress in their enactment. This is shown by the opinion of this Court in *Waterman* v. *McKenzie* (138 U. S., 252), already cited, and in the line of authorities followed therein. It is not safe, therefore, in dealing with a transfer of rights under the patent law to follow implicity the rules governing a transfer of rights in a chose in action at common law. As Chief Justice Taney said in *Gayler* v. *Wilder* (10 How., 477, 494):

> The monopoly did not exist at common law, and the rights, therefore, which may be exercised under it cannot be regulated by the rules of the common law. It is created by the act of Congress; and no rights can be acquired in it unless authorized by statute, and in the manner the statute prescribes.

The law as to who should bring a suit at law for damages by infringement of a patent is clearly and correctly stated in Robinson on Patents (Vol. III, sec. 937), as follows:

> With a single exception the plaintiff in an action at law must be the person or persons in whom the legal title to the patent resided at the time of the infringement. An infringement is an invasion of the monopoly created by the patent, and the law which defines and authorizes this monopoly confers only upon its legal owners the right to institute proceedings for its violation. These owners are the patentee, his assignee, his grantee, or his personal representatives; and none but these are able to maintain an action for infringement in a court of law. Moreover, the injury inflicted by an act of infringement falls upon the individual who owns the monopoly at the date of the infringement. It does not affect former owners whose interest had terminated before the infringement was committed, nor does it so directly prejudice a future owner that the law can recognize his loss and give him a pecuniary redress. Hence the plaintiff must not only have a legal title to the patent, but must have also been its owner at the time of the infringement. The exception above referred to arises where an assignment of a patent is coupled with an assignment of a right of action for past infringements. In this case the present owner of the monopoly may institute proceedings for its violation during the ownership of his assignor as well as for infringements committed since the transfer of the title to himself.

In *Moore* v. *Marsh* (7 Wall., 515) the question was whether a sale and assignment by a patentee of his patent right was, under the fourteenth section of the Patent Act of 1836 (ch. 357, 5 Stat., 117, 123) now embodied in section 4919 of the Revised Statutes, a bar to an action by him to recover damages for an infringement committed before such sale and transfer. The section provided:

> And such damages may be recovered by action on the case, in any court of competent jurisdiction, to be brought in the name or names of the person or persons interested, whether as patentees, assignees, or as grantees of the exclusive right within and throughout a specified part of the United States

The neat issue in that case was whether "the name or names of the person or persons interested" meant the person interested when the infringement took place or when the suit was brought. The Court held that it meant the person who was patentee, assignee, or grantee when the infringement occurred and the cause of action accrued. The Court held, therefore, that the proper plaintiff in a suit for past infringements was not the present owner of the patent, and that he did not acquire the right to bring suits for prior infringements merely by the conveyance of the full title to the patent and its enjoyment. This case was followed by that of *Gordon* v. *Anthony*, on the circuit reported in 16 Blatchford, 234; 16 O. G., 1135; S. C. 10 Fed. Cases, 773, case No. 5,605. The decision was by Blatchford, circuit judge of the second circuit, who had been district judge and who subsequently became a justice of this Court and had great experience in the administration of the patent law.

The question before him was whether the vendee and assignee of a receiver appointed by a State court of New York in proceedings supplementary to execution on a judgment against a debtor whose assets included a patent right and who was directed by the court to convey the same to the receiver but did not do so, could sue for damages for infringement of the patent occurring before the receivership. After saying that under the law of 1836 and under the Revised Statutes in which the sections of that law were embodied, no one could bring a suit either at law or in equity for infringement of a patent in his own name alone unless he were patentee, assignee, or grantee, the judge continues:

> A claim to recover profits or damages for past infringement can not be severed from the title by assignment or grant, so as to give a right of action for such claim, in disregard of the statute. The profits or damages for infringement can not be sued for except on the basis of title as patentee, or as such assignee or grantee, to the whole or a part of the patent, and not on the basis merely of the assignment of a right to a claim for profits and damages, severed from such title. Therefore, if, in the present case, no such assignment or grant has been made to the defendants as the statute contemplates, they could not bring suit, in their own names, under the assignment made to them, to recover any claims, profits or damages for infringement, which belonged to Gordon (i. e., the patentee), nor can they use the assignment as a defense against any such claims existing against themselves in favor of Gordon. In this case there has been no assignment executed by Gordon.

See also *Ball* v. *Coker* (168 Fed., 304, 307). Counsel for plaintiff cites *Hayward* v. *Andrews* (12 Fed., 786) to maintain the contrary and to sustain the right of the assignee of claims for past infringements to maintain suit. The case cited is not in point, the assignee in that case held the legal title to the patent.

The sole exception to the rule that only he who is the owner of the patent at the time of the infringement can sue for damages to which Professor Robinson refers is when such owner assigns the patent and also the claim for past infringements to the same person. In such a case, as the title and ownership of the claims are united, it is held that the owner may sue. (*Dibble* v. *Augur*, 7 Blatchford, 86; 7 Fed. Cases, 642, case No. 3,879; *Hamilton* v. *Rollins*, 5 Dill., 495; 11 Fed. Cases, 364, case No. 5,988; *Henry* v. *Francestown Soapstone Stove Co.*, 2 Ban. & A., 221; 11 Fed. Cases, 1,180, case No. 6,382; 9 O. G., 408; *Consolidated Oil Well Packer Co.* v. *Eaton, Cole & Burnham Company*, 12 Fed. Rep., 865, 870; *Spring* v. *Domestic Sewing Machine Co.*, 13 Fed., 446, 449; 22 O. G., 1445; *Nellis* v. *Pennock Mfg. Co.*, 38 Fed., 379.) Under this exception, therefore, if the instrument here relied on had been effective to make the plaintiff an assignee or grantee of the patent or "of any interest therein" within the meaning of section 4898, Revised Statutes, as amended, then the plaintiff could have maintained this action for damages for infringements prior to the execution of the instrument; but as we hold, the instrument did not have this effect.

[6, 7] But it is urged that under equity rule 37 every action must be prosecuted in the name of the real party in interest, and, therefore, as the plaintiff is the beneficial owner of the claims for past infringements, it should be permitted to sue in a court of equity. The equity rule was not intended to set aside a policy and rule having its source in the patent statutes and can not affect this case. The rule laid down by Circuit Judge Blatchford in *Gordon* v. *Anthony*, supra, applied to both actions in equity and law and grew out of the sections of statutes quoted by him and not since amended. Both at law and in equity, either the owner of the patent at the time of the past infringement, or the subsequent owner of the patent who is at the same time the assignee of the claims for past infringement, must be a party to a suit for damages for the past infringement. If the owner of the patent when the infringements took place has assigned his patent to one, and his claim for damages for infringement to another, then the latter can not sue at law at all but must compel his assignor of the claims to sue for him. In equity both such assignor and the assignee who is the real party in interest must join as plaintiffs. Such assignor is a necessary party and a bill for accounting and damages is fatally defective otherwise. (Robinson, Vol. III, sec. 1099; *Dibble* v. *Augur*, 7 Blatchford, 86; 7 Fed. Cases, 642, case No. 3,879; *Gamewell Fire Alarm Telegraph Co.* v. *City of Brooklyn*, 14 Fed. Rep., 255; 22 O. G., 1978; *Ball* v. *Coker*, 168 Fed., 304.) As the owner of the patent is not a party to this bill, the result is that on no ground can the bill of the plaintiff be sustained and that the motion to dismiss should have been granted.

The decree of the circuit court of appeals is reversed and that of the district court is affirmed.

PATENT SUITS.

[Notices under section 4921, Revised Statutes, as amended February 18, 1922.]

762,850, J. H. Silley, Doors for furnaces, etc., suit filed Aug. 30, 1920, U. S. D. C., S. D. N. Y., Doc. E 18/383. *J. H. Silley* v. *J. Reid and J. Reid & Co., Inc.* Assent decree sustaining patent, adjudging infringement by J. Reid. Bill dismissed as to defendant J. Reid & Co., Inc.

793,249, L. M. Todd, Printing apparatus, suit filed Apr. 25, 1917, U. S. D. C., W. D. N. Y., Doc. B 205, *Todd Protectograph Co.* v. *Hall-Welter Co., Inc.* Case settled by decree.

811,859, A. L. Marsh, Electric resistance material, consent decree sustaining patent, adjudging infringement and granting perpetual injunction, U. S. D. C., S. D. N. Y., *Hoskins Mfg. Co. et al.* v. *Bencoc Exporting & Importing Co.* Same, order of dismissal filed May 1, 1923, on motion of plaintiffs, U. S. D. C., W. D. Wash., *Hoskins Mfg. Co. et al.* v. *Everglo Electric Mfg. Co.* Same, order of dismissal filed May 10, 1923, on motion of plaintiffs, U. S. D. C., W. D. Wash., *Hoskins Mfg. Co. et al.* v. *Bestov Mfg. Co.*

819,042, A. Cummings, Underreamer for mineral boring; 827,595, E. C. Wilson, Underreamer, suit filed Aug. 21, 1922, U. S. D. C., S. D. Calif., Doc. G 23, *A. Cummings* v. *Wilson & Willard Mfg. Co. et al.* Bill dismissed with costs against plaintiff, but plaintiff may recover costs of counterclaim.

827,595. (See 819,042.)

860,929, Merrell, Merrell & Gere, Process and apparatus for separating the moisture from the constituent solids of liquids, suit filed May 19, 1923, U. S. D. C., N. D. N. Y., Doc. 424, *Merrell-Soule Co.* v. *Franklin Dairy Co.*

876,933, J. L. Borsch, jr., Bifocal lens, suit filed May 17, 1923, U. S. D. C., E. D. Mich. (S. D.), Doc. 544, *Kryptok Co.* v. *Gitson & Levi* (*Gitson-Levi Optical Co.*).

922,709, J. Means, Signaling system, suit filed May 8, 1923, U. S. D. C., S. D. Calif., Doc. G 95, *J. C. Savage* (*Skywriting Co. of America*) v. *Rogers Aircraft, Inc., et al.*

958,478, W. E. Davey, Process of reenforcing trees, suit filed Jun. 20, 1923. U. S. D. C., S. D.

Calif., Doc. G 58, *The Davey Tree Expert Co.* v. *C. Vaughn.* Stipulated decree permanently enjoining defendant and issuing injunction. Same, suit filed Jan. 24, 1923, U. S. D. C., S. D. Calif., Doc. G 62, *The Davey Tree Expert Co.* v. *E. J. Stevens.* Same, suit filed Mar. 13, 1923, U. S. D. C., S. D. Calif., Doc. G 80, *The Davey Tree Expert Co.* v. *M. J. Lind.* Stipulated decree of injunction perpetually enjoining defendant.

968,576, C. R. Libby, Pneumatic-dispatch-tube apparatus, suit filed May 17, 1923, U. S. D. C., D. Mass., Doc. 1831, *The Lamson Co.* v. *E. T. Slattery Co.*

1,110,312, C. L. Cruver, Devices for killing insects; 1,331,306, M. Z. Wohlhuter, Fly killer, suit filed May 5, 1923, U. S. D. C., W. D. Wis., Doc. F 37, *Cruver Mfg. Co.* v. *Wilson-Hurd Co.*

1,157,477, T. F. Whelan, Shoe heating and vulcanizing apparatus; 1,157,478, same, Method of drying shoes, suit filed Mar. 24, 1916, U. S. D. C., D. Mass., Doc. E 720, *Savoday Rack Co.* v. *Cass & Daley Shoe Co.* Interlocutory consent decree for plaintiff for injunction and accounting May 23, 1916. Final decree assented to for injunction and recovery by defendant Mar. 12, 1923.

1,157,478. (See 1,157,477.)

1,158,186, J. W. Dearborn, Package-wrapping machines; 1,270,416, H. L. Johnson, Wrapping machines, suit filed Mar. 10, 1923, U. S. D. C., D. Mass., Doc. E 1804, *Johnson Automatic Sealer Co., Ltd.* v. *P. E. Ginn et al.*

1,180,432, Roberti, jr. & Roberti, Nonstretching, ventilated mattress, suit filed Mar. 7, 1923, U. S. D. C., S. D. Calif., Doc. G 79, *A. Roberti, jr., et al.* v. *J. H. Jonas (J. H. Jonas & Sons) et al.*

1,270,184, W. E. Magarrell, Combined table and ironing board, suit filed Feb. 23, 1923, U. S. D. C., S. D. Calif., Doc. G 75, *C. R. Cox* v. *Pratt & Warner.*

1,270,416. (See 1,158,186.)

1,298,174, W. A. Caldwell, Ventilated grain cribs or silo; Re. 15,217, same, Ventilated-grain-crib stave, suit filed May 14, 1923, U. S. D. C., S. D. Ill. (N. D.), Doc. 213, *Portable Elevator Mfg. Co. et al.* v. *Mrs. M. Wiser.*

1,331,306. (See 1,110,312.)

1,341,076, C. H. Sampson, Check-printing machines, case settled by decree, U. S. D. C., W. D. N. Y., *Todd Protectograph Co.* v. *Hall-Welter Co., Inc.*

1,355,074, D. P. Cleveland, Process of removing surface finish, suit filed Feb. 14, 1923, U. S. D. C., S. D. Calif., Doc. G 72, *Bergfeld & Cleveland (trustees for Universal Paint Remover & Motor Cleaning Co.) et al.* v. *B. A. Anderson et al.*

1,357,314, E. S. Cobb, Process of preventing frost or heat injury in orchards, etc., suit filed Apr. 4, 1923, U. S. D. C., S. D. Calif. (N. D.), Doc. B 89, *Cobb Temperature Regulator Co. et al.* v. *R. Baird et al.*

1,386,418, C. D. Miller, Auxiliary windshields, suit filed May 9, 1923, U. S. D. C., S. D. Calif., Doc. G. 96, *G. C. De Garmo et al. (Sunset Specialty Co.) et al.* v. *Whomes Mfg. Co.*

1,411,487, J. V. Giesler, Automobile radiator units, suit filed May 14, 1923, U. S. D. C., D. Dela., Doc. E 520, *The Fulton Co.* v. *Buckley-Kane Motor Co. et al.*

1,423,956, Mitchell & White, Tipless incandescent lamps and similar articles; 1,423,957, same, Stem-making machine, suit filed Apr. 19, 1923, U. S. D. C., E. D. N. Y., Doc. 1251, *General Electric Co.* v. *Save Electric Co.*

1,423,957. (See 1,423,956.)

1,426,010, F. W. Rees, Mirror attachments for vehicles, order of dismissal filed Jan. 19, 1923, on stipulation of counsel, U. S. D. C., D. Wash., *Sees All Mfg. Co.* v. *Rees & Welbon (Modern Mfg. Co.).*

1,440,220, H. Hopkes, Knife sharpener, suit filed Apr. 16, 1923, U. S. D. C., S. D. Calif., Doc. G 87, *M. G. Goff* v. *G. Voglin.*

1,446,622, Hollins & Arrousez, Cut-out box, suit filed Apr. 4, 1923, U. S. D. C., S. D. Calif., Doc. G 83, *Rosenburg & Co.* v. *Hollins & Arrousez Electric Engineering Co. et al.*

1,454,322, S. Loeb, Convertible watch, suit filed May 15, 1923, U. S. D. C., S. D. N. Y., Doc. E 26/344, *S. Loeb* v. *A. Grafstein et al. (Jem Jewelry Mfg. Co.).*

Des. 48,213, J. K. Woznica, Wedding rings, suit filed Apr. 6, 1923, U. S. D. C., S. D. Calif., Doc. G 84, *Traub Mfg. Co.* v. *G. D. Davidson Co.*

Des. 56,030, F. W. Rees, Rear-sight mirror for motor vehicles, suit filed July 19, 1922, U. S. D. C., W. D. Wash. (N. D.), Doc. 299, *Sees All Mfg. Co.* v. *Rees & Welbon (Modern Mfg. Co.).* Order of dismissal filed Jan. 19, 1923, on stipulation of counsel.

Des. 62,175, L. W. Rice, Bowl or the like, suit filed May 16, 1923, U. S. D. C., S. D. N. Y., Doc. E 26/347, *Rices' Sons, Inc.*, v. *E. & J. Bass, Inc.*

Re. 15,217. (See 1,298,174.)

TRADE-MARKS

OFFICIAL GAZETTE, JULY 17, 1923.

[VOL. 312. No. 3.]

The following trade-marks are published in compliance with section 6 of the act of February 20, 1905, as amended March 2, 1907. Notice of opposition must be filed within thirty days of this publication.

Marks applied for "under the ten-year proviso" are registrable under the provision in clause (b) of section 5 of said act as amended February 18, 1911.

As provided by section 14 of said act, a fee of ten dollars must accompany each notice of opposition.

Ser. No. 131,735. (CLASS 12. CONSTRUCTION MATERIALS.) THE JENNISON-WRIGHT CO., Toledo, Ohio. Filed Apr. 28, 1920.

SuperBlox

Particular description of goods.—Pavements and Floors and Materials Therefor, Including Elements of Brick, Block, or Tile Forms.

Claims use since February, 1920.

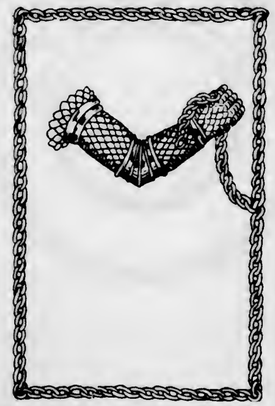
Ser. No. 131,736. (CLASS 12. CONSTRUCTION MATERIALS.) THE JENNISON-WRIGHT CO., Toledo, Ohio. Filed Apr. 28, 1920.

JENOLITE

Particular description of goods.—Floors and Pavements of Wood Plank, Timbers, or Block, Cement, Asphalt, Bituminous Composition Floors and Pavements, Composition Surfacing Material, Coatings for Floors and Pavements, Mastics for Floors and Pavements, Aseptic and Hydrocarbon Preservative Impregnations for Floors and Pavements, and the Mastic, Waterproofing Wood, and Mineral Materials for the Foregoing.

Claims use since October, 1919.

Ser. No. 135,121. (CLASS 39. CLOTHING.) WILSON BROTHERS, Chicago, Ill. Filed July 17, 1920.



Particular description of goods.—Hosiery.

Claims use since about the year 1908.

Ser. No. 135,737. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) GEORGE A. STAFFORD, doing business as G. A. Stafford & Co., New York, N. Y. Filed Aug. 2, 1920.



Particular description of goods.—Woven Cotton Fabrics in the Piece.

Claims use since Dec. 1, 1913.

Ser. No. 143,464. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) ST. FIRO REMEDY CO., Newark, N. J. Filed Feb. 11, 1921.



Particular description of goods.—Healing Creams for Eczema.

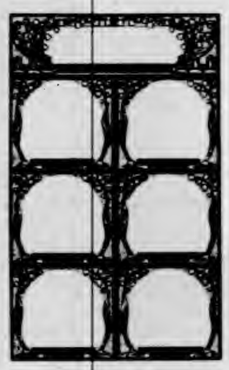
Claims use since Sept. 16, 1920.

Ser. No. 143,773. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) MEDOC DISTRIBUTING COMPANY, New York, N. Y. Filed Feb. 18, 1921.

MEDOC

Particular description of goods.—Pharmaceutical Preparations Consisting of Tonics Having Therapeutic Medicinal Values for the Relief of Dyspepsia and Indigestion.
Claims use since on or about Sept. 21, 1920.

Ser. No. 148,615. (CLASS 40. FANCY GOODS, FURNISHINGS, AND NOTIONS.) THE WILLIAM PRYM COMPANY, LIMITED, Stolberg, Germany. Filed June 3, 1921.



The words "Absolument Garanti Contre la Rouille" are disclaimed apart from the mark shown in the drawing.
Particular description of goods.—Bone Stilettos, Hooks and Eyes, Corset Eyes, Double Eyes, Shoe Eyes, Snap Fasteners, Shoe Buckles Not Made of Precious Metals, Waistband Clasps, Waist and Corset Clasps; Snap Fasteners on Tape and Hooks and Eyes on Tape for Fastening Waists, Skirts, Plackets, Dresses, and Other Articles of Clothing; Waist-Belt Clasps, Dress Holders Such as Large Snap Fasteners Used for Supporting Articles of Clothing, Shoe Buttoners, Glove Buttoners, Thimbles and Buttons Not Made of Precious Metals, Collar Supporters, Needles, Pins without Ornamentation and Not Made of Precious Metals, and Ornamented Hairpins Not Made of Precious Metals.
Claims use since Jan. 27, 1913.

Ser. No. 152,294. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) THE WILLIAM A. WEBSTER COMPANY, Memphis, Tenn. Filed Aug. 27, 1921.



No claim is made to the representation of a tablet except in connection with the trade-mark as shown.
Particular description of goods.—Aspirin.
Claims use since about Feb. 1, 1921.

Ser. No. 152,796. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) GOERZ FLOUR MILLS CO., Newton, Kans. Filed Sept. 10, 1921.



Particular description of goods.—Wheat Flour.
Claims use since June 29, 1921.

Ser. No. 155,576. (CLASS 39. CLOTHING.) HARRY USWALD, Brooklyn, N. Y. Filed Nov. 18, 1921.

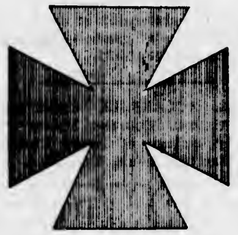


BELGIAN BEAVER

No claim is made to the words "Belgian Beaver" apart from the mark shown on the drawing.
Particular description of goods.—Fur Coats, Wraps, Capes, and Neck Pieces—Namely, Stoles and Scarfs.
Claims use since about July 1, 1921.

Ser. No. 158,451. (CLASS 39. CLOTHING.) ROUSE, HEMPSTONE & CO., INC., Baltimore, Md. Filed Jan. 25, 1922.

RED



CROSS.

Particular description of goods.—Men's and Boys' Work Shirts, Flannel Shirts, and Pants.
Claims use since Jan. 1, 1911.

Ser. No. 158,895. (CLASS 39. CLOTHING.) CHARLES D. RANDLES, doing business as Randles Mfg. Company, Ogdensburg, N. Y. Filed Feb. 4, 1922.

"Hattie Snow"

Particular description of goods.—Uniforms—Namely, Dresses, Aprons, Operating-Room Gowns, Caps, Bibs, Collars, Cuffs, Hoods; Shoes Made of Leather, Rubber, Fabric, Leather and Rubber, Leather and Fabric, Rubber and Fabric, and Combinations Thereof.
Claims use since Jan. 1, 1922.

Ser. No. 158,967. (CLASS 12. CONSTRUCTION MATERIALS.) AMERICAN ARCH COMPANY, New York, N. Y. Filed Feb. 7, 1922.

ARCH LOCK

Particular description of goods.—Fire and Other Brick of Substantially Uniform Dimensions and for Use Other Than Arch-Building Purposes.
Claims use since Oct. 14, 1921.

Ser. No. 159,189. (CLASS 9. EXPLOSIVES, FIREARMS, EQUIPMENTS, AND PROJECTILES.) J. STEVENS ARMS COMPANY, New York, N. Y. Filed Feb. 10, 1922.

Dread Naught

Particular description of goods.—Shotguns.
Claims use since about Jan. 1, 1913.

Ser. No. 159,212. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) THE ELI LILLY & COMPANY, Indianapolis, Ind. Filed Feb. 11, 1922.

SINAPSOLIN

Trade-mark "Sinapsolin."
Particular description of goods.—Medical Preparation Used as a Counterirritant to Relieve Pain, Stiffness in Muscles, Etc.
Claims use since Oct. 4, 1917.

Ser. No. 159,862. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) BERNARD B. FORQUER, doing business as Movie Stars Laboratories, Joliet, Ill. Filed Feb. 27, 1922.

MOVIE QUEENS

Particular description of goods.—Facial Cream, Facial Rouge, Toilet Water, Shampoo Preparation, Hair Tonic, Tooth Paste, and Tooth Powder.
Claims use since Dec. 20, 1921.

Ser. No. 160,016. (CLASS 39. CLOTHING.) EDWARD LEFI, doing business as Lefi Company, New York, N. Y. Filed Mar. 1, 1922.

Sunspun

Particular description of goods.—Men's, Women's, and Children's Hosiery, Gloves Made of Fabric, and Underwear in Knitted and Woven Textile Fabric.
Claims use since Feb. 15, 1922.

Ser. No. 160,100. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) W. HARRIS THURSTON & CO. INC., New York, N. Y. Filed Mar. 2, 1922.

Super

Particular description of goods.—Shirtings.
Claims use since July, 1920.

Ser. No. 160,745. (CLASS 50. MERCHANDISE NOT OTHERWISE CLASSIFIED.) BROWN & BIGELOW, St. Paul, Minn. Filed Mar. 16, 1922.

Remembrance Advertising

No claim is made to the word "Advertising" apart from the mark as shown.

Particular description of goods.—Signs Made of Metal and Celluloid.

Claims use since Mar. 1, 1920.

Ser. No. 161,549. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) FREDERICK W. HILLIG, doing business as F. W. Hillig Co., New York, N. Y. Filed Mar. 31, 1922.

MOLDAVA FABRICS

The use of the term "Fabrics" is disclaimed apart from the mark as shown.

Particular description of goods.—Tablecloths, Napkins, Scarfs, Doilies, Centerpieces, and Tray Covers of Linen, Cotton, and Mixtures, with and without Embroideries.

Claims use since January, 1919.

Ser. No. 161,550. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) FREDERICK W. HILLIG, doing business as F. W. Hillig Co., New York, N. Y. Filed Mar. 31, 1922.

MOLDAVA FABRICS

The use of the term "Fabrics" is disclaimed apart from the mark as shown.

Particular description of goods.—Goods in the Piece Making Up Household Furnishings—Namely, Bed Coverings, Sheetings, Pillow Cases, and Bed Spreads and Tickings in the Piece.

Claims use since January, 1919.

Ser. No. 162,073. (CLASS 37. PAPER AND STATIONERY.) SALZ BROTHERS INC., New York, N. Y. Filed Apr. 10, 1922.



No claim is made to the fountain pen apart from the mark as shown. The trade-mark consists in applying on each end of a fountain pen having a black body, which is either plain, corrugated, or "watered," a white disk of substantially three-sixteenths of an inch in thickness.

Particular description of goods.—Fountain Pens.

Claims use since Aug. 15, 1921.

Ser. No. 162,442. (CLASS 12. CONSTRUCTION MATERIALS.) OERTEL ROOFING MANUFACTURING COMPANY, now by change of name Stormcote Roofing Corporation, East St. Louis, Ill. Filed Apr. 17, 1922.

STORMCOTE

Particular description of goods.—Roofing Materials—Namely, Shingles, Roofing, Fiber Coating, Fiber Cement, House Lining, Asphalt Felt, Asphalt Compound, Rosin Paper, Plaster Board, and Tarred Felt.

Claims use since about June 8, 1921.

Ser. No. 164,194. (CLASS 1. RAW OR PARTLY-PREPARED MATERIALS.) REEVES COAL AND DOCK CO., Minneapolis, Minn. Filed May 20, 1922.

Hot Stuff!

Particular description of goods.—Coal.

Claims use since Oct. 1, 1917.

Ser. No. 164,196. (CLASS 5. ADHESIVES. RÖHM & HAAS AKTIENGESELLSCHAFT, Darmstadt, Germany. Filed May 20, 1922.

„Veron"

Particular description of goods.—Glue and Gelatins Used in the Manufacture of Glue.

Claims use since Feb. 14, 1916.

Ser. No. 164,431. (CLASS 35. BELTING, HOSE, MACHINERY PACKING, AND NONMETALLIC TIRES.) JACOB N. GOLD, doing business as Gol-Mar, Philadelphia, Pa. Filed May 24, 1922.

Gol-Mar AUTO SUPPLIES

No claim is made to the words "Auto Supplies" apart from the mark as shown.

Particular description of goods.—Automobile Accessories—Namely, Bumpers, Shock Absorbers, Radiators, Radiator Caps, Radiator Covers, Windshields, License-Tag Holders, Demountable Wheels, Rims, Wheel Parts, Steering Wheels, Automobile Slip Covers, Automobile Tires.

Claims use since June 1, 1919.

Ser. No. 164,576. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) GEORGE K. BROWN CO., INC., Chattanooga, Tenn. Filed May 27, 1922.

FROSTY BAR

Applicant hereby disclaims the word "Bar" apart from the other features of the mark shown on the drawing.

Particular description of goods.—Ice Cream.

Claims use since Jan. 26, 1922.

Ser. No. 165,646. (CLASS 45. BEVERAGES, NON-ALCOHOLIC.) VACUUM WATER COMPANY, INC., New York, N. Y. Filed June 17, 1922.

VacoKola

No claim made for the word "Kola" apart from the mark shown in the drawing.

Particular description of goods.—Soda Water and Non alcoholic Maltless Beverages Sold as Soft Drinks.

Claims use since May 19, 1922.

Ser. No. 165,858. (CLASS 16. PAINTS AND PAINTERS' MATERIALS.) CHARLES DRABEK, doing business as Painters Supply Co., Cleveland, Ohio. Filed June 22, 1922.

GLOSPAR

Particular description of goods.—Ready-Mixed Paints, Varnishes, and Paint Enamels.

Claims use since January, 1918.

Ser. No. 166,950. (CLASS 2. RECEPTACLES.) LEBWOHL & MINDICH, New York, N. Y. Filed July 15, 1922.

L SAVE TIME BOX M TRADE MARK

No claim is made to the words "Box" and "Trade Mark" apart from the mark shown on the drawing.

Particular description of goods.—Tobacco, Cigar, and Cigarette Boxes Made of Paper or Cardboard.

Claims use since July 1, 1922.

Ser. No. 167,718. (CLASS 19. VEHICLES, NOT INCLUDING ENGINES.) EXCELSIOR MOTOR MFG. AND SUPPLY CO., Chicago, Ill. Filed Aug. 2, 1922.

HENDERSON

Particular description of goods.—Motor Cycles and Bicycles.

Claims use since on or about Feb. 7, 1918.

Ser. No. 167,720. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) WILLIAM R. GRIFFIN, West Norwood, N. J. Filed Aug. 2, 1922.

MOTHOLEO

Trade mark "Motholeo."

Particular description of goods.—Moth-Preventive Compound.

Claims use since May 5, 1922.

Ser. No. 167,722. (CLASS 19. VEHICLES, NOT INCLUDING ENGINES.) IRVING ENGINEERING-SALES CO., Chicago, Ill. Filed Aug. 2, 1922.

IRVING 100%

Particular description of goods.—Automatically Operated Radiator Shutters for Internal-Combustion Engines.

Claims use since May 15, 1922.

Ser. No. 167,795. (CLASS 12. CONSTRUCTION MATERIALS.) BETHLEHEM FABRICATORS, INC., Bethlehem, Pa. Filed Aug. 4, 1922.

IB IB

Particular description of goods.—Structural Members Including Beams, Girders, Channels, Angles, Bars, Plates, Rounds, Deformed Bars, Z's, T's, Rails, Clips, Ties, Either Singly Fabricated or Grouped into an Assembled Member.

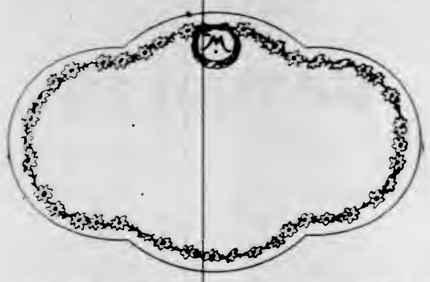
Claims use since Jan. 18, 1921.

Ser. No. 167,842. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) DEUTSCHE GOLD UND SILBER SCHEIDEANSTALT, VORMALS ROESSLER, Frankfort on the Main, Germany. Filed Aug. 5, 1922.

SEGETAN

Particular description of goods.—Chemical Preparations Used Against Plant Pests and Seed Afflictions.
Claims use since Mar. 3, 1921.

Ser. No. 168,426. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) MARGARET C. MURPHY, doing business as Marguerite Laboratories, Evanston, Ill. Filed Aug. 18, 1922.



Particular description of goods.—Cold Cream, Day Cream, Face Powder, Rouges, Talcum Powder, Nail Polish, Mouth Wash; Hair Remover, a Preparation for Removing Human Hair; Hand Lotion, Eyebrow Pencil, Lip Stick, Shampoo, Hair Tonic, Perfume, Toilet Water, Tooth Powder; Foot Ease, a Preparation for Relieving and Easing Swollen, Tired, or Inflamed Human Feet; and Cuticle Salve.
Claims use since about Aug. 31, 1920.

Ser. No. 168,478. (CLASS 39. CLOTHING.) THE MALINE MILLS, Winston-Salem, N. C. Filed Aug. 19, 1922.

KUMFORTNIT

Particular description of goods.—Knit Underwear, Knit Undershirts, Princess Slips for Women.
Claims use since July 31, 1922.

Ser. No. 168,508. (CLASS 12. CONSTRUCTION MATERIALS.) THE BARRETT COMANY, New York, N. Y. Filed Aug. 21, 1922.



Particular description of goods.—Ready Felt Roofing.
Claims use since about June 1, 1905.

Ser. No. 169,840. (CLASS 34. HEATING, LIGHTING, AND VENTILATING APPARATUS, NOT INCLUDING ELECTRICAL APPARATUS.) AEROIL BURNER COMPANY, INC., Union Hill, N. J. Filed Sept. 23, 1922.

Aeroil

Particular description of goods.—Oil-Burning Appliances—Namely, Individual Portable Oil Burners, Individual Stationary Oil Burners, Blow Torches, Fire Pots, Melting Furnaces, Thawing Outfits, Thawing Torches, Kerosene-Gas Burners, Oil-Burning Tar Kettles, Oil-Burning Asphalt Kettles, Camp Stoves, Concrete Heaters, and Furnace Burners.
Claims use since Nov. 12, 1918.

Ser. No. 169,904. (CLASS 19. VEHICLES, NOT INCLUDING ENGINES.) ERNEST W. HORNUNG, doing business as The Hubbell Manufacturing Co., Cleveland, Ohio. Filed Sept. 25, 1922.

"ClearLites"

Particular description of goods.—Glass Curtain Lights and Frames for Automobiles.
Claims use since June, 1922.

Ser. No. 170,014. (CLASS 19. VEHICLES, NOT INCLUDING ENGINES.) FORD MOTOR COMPANY, Highland Park, Mich. Filed Sept. 28, 1922.

Ford Motor Company
LINCOLN

Particular description of goods.—Motor Cars.
Claims use since Aug. 31, 1922.

Ser. No. 170,228. (CLASS 50. MERCHANDISE NOT OTHERWISE CLASSIFIED.) ERNEST M. VIQUESNEY, Spencer, Ind. Filed Oct. 2, 1922.

IMP-O-LUCK

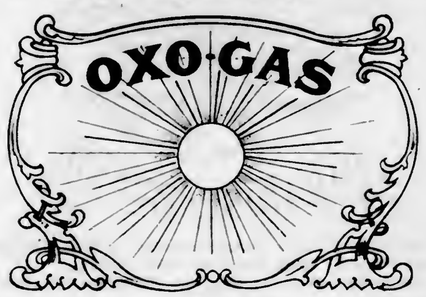
Particular description of goods.—Images, Bric a-Brac, Statuary, Ornamental Heads, Badges, Emblems, Campaign Buttons.
Claims use since May, 1922.

Ser. No. 170,416. (CLASS 12. CONSTRUCTION MATERIALS.) THE VITREFRAX COMPANY, INC., Los Angeles, Calif. Filed Oct. 6, 1922.

DUROX

Particular description of goods.—Refractory Linings for Forges, Smelters, Heating Furnaces, Malleable-Iron Furnaces, Open-Hearth Furnaces, Electric Furnaces, Brick and Ceramic Kilns, Lime and Cement Kilns, Welding Forges, Glass Tanks, Boiler Settings, and the Like; Refractory Bricks in Various Shapes and Forms, Refractory Cements, Refractory Furnace Bottom Drains, Mixed Sagger Batches, Refractory Plastic Batches, and Refractory Mastic Fire Walls.
Claims use since about July 12, 1922.

Ser. No. 171,123. (CLASS 34. HEATING, LIGHTING, AND VENTILATING APPARATUS, NOT INCLUDING ELECTRICAL APPARATUS.) GLORIA LIGHT CO., Chicago, Ill. Filed Oct. 24, 1922.



Particular description of goods.—Kerosene-Gas-Making Appliances Consisting of Tanks Containing a Generator Equipped with Pressure Gauge, Filter Plug, and Valves Attached to Air-Pressure Pumps, and Hollow Feed Wires Leading to Heaters or Stoves, and Stoves, Ranges, and Heaters Used Therewith.
Claims use since August, 1913.

Ser. No. 171,172. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) HUYLER'S, New York, N. Y. Filed Oct. 25, 1922.

The Tidbit Package

No claim is made to the word "Package" apart from the mark shown on the drawing.
Particular description of goods.—Candy.
Claims use since Feb. 21, 1922.

Ser. No. 171,310. (CLASS 39. CLOTHING.) FLORABELLE DRESSMAKERS, INC., New York, N. Y. Filed Oct. 28, 1922.

Blouzlez

Particular description of goods.—Outer Skirts.
Claims use since Sept. 1, 1922.

Ser. No. 171,491. (CLASS 39. CLOTHING.) THE FESSENDEN SHIRT CO., INC., Kingston, N. Y. Filed Nov. 2, 1922.

FEZ

Particular description of goods.—Men's Dress and Negligee Shirts.
Claims use since June 1, 1922.

Ser. No. 171,536. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) ROBT. J. GRAHAM, Cashmere, Wash. Filed Nov. 3, 1922.

Clipper Ship

Particular description of goods.—Fresh Boxed Apples.
Claims use since 1918.

Ser. No. 171,540. (CLASS 35. BELTING, HOSE, MACHINERY PACKING, AND NONMETALLIC TIRES.) JOHNS-MANVILLE, INC., New York, N. Y. Filed Nov. 3, 1922.



The shade lines appearing upon the drawing are not indicative of color as the color is immaterial. No claim is made to the phrase "Covers the Continent" nor to the words "Ring Packing" except in the association shown, no common-law rights thereto being waived.
Particular description of goods.—Packing Rings Made of Rubber and Asbestos or Textile Fabric.
Claims use since July 27, 1922.

Ser. No. 171,555. (CLASS 5. ADHESIVES.) IRA I. SLOMON, New York, N. Y. Filed Nov. 3, 1922.



No claim is made to the word "Glue" apart from the mark shown on the drawing.

Particular description of goods.—Glue Products—Namely, Stainless Fabric Glue, All Forms of Rubber Cement, as Shoe Cement, Channel Cement, Fitting-Room Cement, Rubber Cement, and Raincoat Cement.

Claims use since on or about Jan. 1, 1916.

Ser. No. 171,566. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) AKTIENGESELLSCHAFT FÜR CHEMISCHE PRODUKTE, VORMALS H. SCHEIDEMANDEL, Berlin, Germany. Filed Nov. 4, 1922.



The lining shown in the drawing is used to represent shading only.

Particular description of goods.—Pharmaceutical Preparations for Promoting the Growth of Human Hair.

Claims use since December, 1919.

Ser. No. 171,846. (CLASS 39. CLOTHING.) THE J. L HUDSON CO., Detroit, Mich. Filed Nov. 11, 1922.

KENMOOR

Particular description of goods.—Men's and Young Men's Outer Clothing—Namely, Suits.

Claims use since Sept. 20, 1922.

Ser. No. 171,849. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) JOHNSON, YOUNG & HAMILTON, Parma, Idaho. Filed Nov. 11, 1922.



Particular description of goods.—Potatoes and Head Lettuce.

Claims use since April, 1920.

Ser. No. 172,013. (CLASS 39. CLOTHING.) R. & R. UNDERWEAR, New York, N. Y. Filed Nov. 14, 1922.



No claim is made to the exclusive right to use the word "Brand" apart from the mark as shown.

Particular description of goods.—Underwear—Namely, Brassières.

Claims use since July 1, 1922.

Ser. No. 172,183. (CLASS 34. HEATING, LIGHTING, AND VENTILATING APPARATUS, NOT INCLUDING ELECTRICAL APPARATUS.) F. O. SCHOEDINGER, Columbus, Ohio. Filed Nov. 17, 1922.



Particular description of goods.—Stove Dampers, Damper Clips, Soldering Furnaces, Sheet-Metal Pipes, Sheet-Metal Elbows, Chimney Caps, Pipe Collars, Flue Stoppers, Skylights, and Building Ventilators.

Claims use since Oct. 1, 1921.

Ser. No. 172,185. (CLASS 16. PAINTS AND PAINTERS' MATERIALS.) F. O. SCHOEDINGER, Columbus, Ohio. Filed Nov. 17, 1922.



Particular description of goods.—Roofing Paint and Paint Enamel for Furniture.

Claims use since Oct. 1, 1921.

Ser. No. 172,242. (CLASS 15. OILS AND GREASES.) STANDARD OIL COMPANY OF NEW YORK, New York, N. Y. Filed Nov. 18, 1922.



The word "Brand" and the Chinese Words "Pai" and "Yau" are hereby disclaimed apart from the mark shown in the drawing. The Chinese characters appearing on the drawing, with their meaning, are as follows: At the left reading down Ying—eagle; Pai—brand, Yau—oil; in the center reading right to left Ying—eagle, Pai—brand; at the right reading down Mei—admirable, lovely, Foo—to repose confidence in; Hong—business firm or company.

Particular Description of goods.—Refined Petroleum Oil for Illuminating, Heating, and Power Purposes.

Claims use since Oct. 5, 1914.

Ser. No. 172,246. (CLASS 35. BELTING, HOSE, MACHINERY PACKING, AND NONMETALLIC TIRES.) WARREN & BAILEY CO., Los Angeles, Calif. Filed Nov. 18, 1922.



Particular description of goods.—Leather, Woven, and Rubber Belting, Hose, Sheet Packing, and Rod and Piston Packing.

Claims use since 1914.

Ser. No. 172,269. (CLASS 39. CLOTHING.) A. H. FLANDERS COMPANY, Chicago, Ill. Filed Nov. 20, 1922.

Robin Hood Frocks

The word "Frocks" is disclaimed apart from the mark shown.

Particular description of goods—Women's Wearing Apparel—Namely, Frocks, Gowns, Blouses, Outer Skirts, Coats, Wraps, and Capes.

Claims use since about Nov. 1, 1922.

Ser. No. 172,549. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) NATIONAL CANDY COMPANY, doing business as Peckham Candy Factory, St. Louis, Mo., assignor to National Confectioners Association of the United States, Chicago, Ill. Filed Nov. 25, 1922.



Particular description of goods.—Candy.

Claims use since Nov. 17, 1922.

Ser. No. 172,578. (CLASS 44. DENTAL, MEDICAL, AND SURGICAL APPLIANCES.) JAMES W. BRINE COMPANY, Boston, Mass. Filed Nov. 27, 1922.

BRINE

Particular description of goods.—Hip and Kidney Pads, Elastic Bandages, Athletic Supporters, Combination Supporters, Jock Straps, Wrestling Supporters, Head Elastic Bandage, Shoulder-Cap Bandage, Elbow Bandage, Ankle Bandage, Wrist Bandage, Elastic Roll Bandage, Ankle Support, Wrist Supporter, Knee-Cap Bandage.

Claims use since Jan. 1, 1895.

Ser. No. 172,683. (CLASS 34. HEATING, LIGHTING, AND VENTILATING APPARATUS, NOT INCLUDING ELECTRICAL APPARATUS.) MAHR MANUFACTURING COMPANY, Minneapolis, Minn. Filed Nov. 29, 1922.



No claim is made to the exclusive use of the words "Minneapolis, U. S. A." apart from the features of the mark.

Particular description of goods.—Oil-Burning Equipment, Furnaces, Torches, Pot Furnaces, Forges, and Burners; Also Under Term Equipment: Blowers, Blast Gates, and Oil Heaters.

Claims use since Dec. 31, 1921.

Ser. No. 173,148. (CLASS 1. RAW OR PARTLY-PREPARED MATERIALS.) J. SONNENSCHEIN HOP COMPANY, INC., New York, N. Y. Filed Dec. 9, 1922.

SUN BRAND

No claim is made to the word "Brand" apart from the mark shown in the drawing.

Particular description of goods.—Hops.

Claims use since about Dec. 1, 1921.

Ser. No. 173,340. (CLASS 2. RECEPTACLES.) SUPERIOR DISTRIBUTING CO., New York, N. Y. Filed Dec. 14, 1922.

KANT-STEEL SAFETY BOX

The words "Safety Box" appearing on the drawing are hereby disclaimed.

Particular description of goods.—Boxes—Namely, Metal Cash Boxes.

Claims use since Sept. 1, 1922.

Ser. No. 173,385. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) A. GAZZONI & C. 11 Gerente, Bologna, Italy. Filed Dec. 16, 1922.

STABILIMENTO CHIMICO FARMACEUTICO
BOLOGNA - A. GAZZONI & C. fratelli

RADIOVITALE

RICOSTITUENTE RADIOATTIVO

PREZZO LIRE 20 (VENTI)

POSOLOGIA - Ogni compressa contiene:

Calcio glicerofosfato	cg. 4	Sodio glicerofosfato	cg. 3
Ferro "	" 2	Sostanze radioattive	mmg. 1
Magnesio "	" 2	Eccipienti inerti	cg. 15

Dose giornaliera: per bimbi fino ad anni 10: 2 compresse; per ragazzi da 11 a 15 anni: 3 compresse; per adulti: 4 compresse da prendersi ripartite coi pasti.

All the wording appearing on the drawing with the exception of the word "Radiovitale" is disclaimed apart from the mark shown on the drawing.

Particular description of goods.—Radioactive Reconstituent Containing Glycerophosphates of Calcium, Iron, Magnesium, and Sodium and Mesothorium Bromide.

Claims use since November, 1921.

Ser. No. 173,823. (CLASS 39. CLOTHING.) FROLASET CORSET CO., Detroit, Mich. Filed Dec. 26, 1922.

NUVO

Particular description of goods.—Brassières, Bandeaux, Girdles, Corsets, Corset Waists, Belts for Personal Wear, Diaphragm Confiners, Hose Supporters, Textile-Fabric Underwear for Women and Children, and Combination Suits.

Claims use since Oct. 1, 1922.

Ser. No. 174,057. (CLASS 19. VEHICLES, NOT INCLUDING ENGINES.) ATLAS SPECIALTY MANUFACTURING COMPANY, Chicago, Ill. Filed Jan. 2, 1923.

CHICAGO ATLAS ILL.

Particular description of goods.—Fabric Covers for Automobile Accessories—Namely, Fabric Accessories for Automobiles Comprising Rain Shields, Curtains, Tops, Draft Shields, Dust Covers, Windshield Extensions, Fabric Seat Covers, Fabric Seat Pads, Fabric Mats, Fabric Floor Carpets, Fabric Sleeve Protectors, and Fabric Life Preservers.

Claims use since 1911.

Ser. No. 174,065. (CLASS 50. MERCHANDISE NOT OTHERWISE CLASSIFIED.) CANVAS PRODUCTS COMPANY, St. Louis, Mo. Filed Jan. 2, 1923.

Hox-Lite

Particular description of goods.—Tents, Tent Flies, Tarpaulins, Binder Covers, Wagon Covers, and Awnings.

Claims use since 1900.

Ser. No. 174,068. (CLASS 50. MERCHANDISE NOT OTHERWISE CLASSIFIED.) CANVAS PRODUCTS COMPANY, St. Louis, Mo. Filed Jan. 2, 1923.

Rival

Particular description of goods.—Tents, Tent Flies, Tarpaulins, Binder Covers, Wagon Covers, and Awnings.

Claims use since 1900.

Ser. No. 174,286. (CLASS 12. CONSTRUCTION MATERIALS.) THE CONTINENTAL FIBRE COMPANY, Newark, Del. Filed Jan. 6, 1923.



The trade-mark consists of a red band of color arbitrarily placed in the center layer of the goods.

Particular description of goods.—Composite Material.

Claim use since Dec. 18, 1922.

Ser. No. 174,261. (CLASS 19. VEHICLES, NOT INCLUDING ENGINES.) WILLIAM F. RIDGE, doing business as Ridged Grip Company, Akron, Ohio. Filed Jan. 6, 1923.

RID'GED

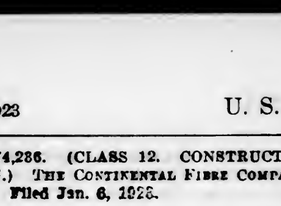
Particular description of goods.—Grips for Steering Wheels of Automobiles and Other Vehicles.

Claims use since Sept. 1, 1922.

Ser. No. 174,301. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) B. HELLER & COMPANY, Chicago, Ill. Filed Jan. 8, 1923.

$1000.00 GUARANTEED MOTH KILLER

REG. U.S. PAT. OFF.



The words "$1000.00" and "Guaranteed" and "Moth" and "Killer" and the phrase "U. S. Pat. Off." are hereby disclaimed apart from the mark as shown, disclaimant expressly reserving to itself such common-law rights as it may have acquired to such words when used in the manner as shown in the drawing.

Particular description of goods.—Insecticide for Killing Moths and Carpet Beetles.

Claims use since Nov. 23, 1922.

Ser. No. 174,304. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) B. HELLER & COMPANY, Chicago, Ill. Filed Jan. 8, 1923.

CARAMEL-INE

Particular description of goods.—Combined Coloring and Flavoring for Use in Food Products and Confectionery and Ice Cream.

Claims use since 1910.

Ser. No. 174,309. (CLASS 39. CLOTHING.) L. KLEIN, INC., Chicago, Ill. Filed Jan. 8, 1923.

Aristocrat

Particular description of goods.—Men's and Boys' Suits, Overcoats, and Hats.

Claims use since May 1, 1915.

Ser. No. 174,425. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) FRANK BORNN, doing business as Bornn Distilling Company, New York, N. Y. Filed Jan. 11, 1923.

ALCO-PRIMO

Particular description of goods.—Preparation for Bathing and Massaging.

Claims use since October, 1922.

Ser. No. 174,485. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) THE PETERKIN COMPANY, Baltimore, Md. Filed Jan. 11, 1923.



The exclusive right to the words "Candies" and "Baltimore" are disclaimed.

Particular description of goods.—Candies.

Claims use since Dec. 1, 1922.

Ser. No. 174,524. (CLASS 39. CLOTHING.) R. H. MACY & Co., INC., New York, N. Y. Filed Jan. 12, 1923.

ANY HOUR

Particular description of goods.—Aprons.
Claims use since Jan. 5, 1923.

Ser. No. 174,765. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) JERVIS D. BROWN, Los Angeles, Calif. Filed Jan. 19, 1923.

TRANQUILLITY

Particular description of goods.—Ointment for the Skin for Treatment of Nervous Itching and Also as a General Healing Ointment.
Claims use since Jan. 6, 1923.

Ser. No. 174,978. (CLASS 39. CLOTHING.) ROBT. J. SADLER SHOE CO. INCORPORATED, New York, N. Y. Filed Jan. 23, 1923.



The lines are for shading only.
Particular description of goods.—Shoes of Leather, Rubber, Fabric, or Combinations for Men, Women, and Children.
Claims use since October, 1921.

Ser. No. 174,997. (CLASS 1. RAW OR PARTLY-PREPARED MATERIALS.) ROBERT BEARDSLEY, doing business as Beardsley Studios, Chicago, Ill. Filed Jan. 24, 1923.

AMBRIL

Particular description of goods.—Lamp Shades of Fibrous Material.
Claims use since May 15, 1922.

Ser. No. 175,230. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) AFRICAN & EASTERN TRADING CO., INC., New York, N. Y. Filed Jan. 29, 1923.



AFRICAN & EASTERN COTTONS
KOULELI

No claim made to the exclusive use of the words "African and Eastern Cottons" apart from the mark as shown in the drawing.
Particular description of goods.—Cotton Piece Goods.
Claims use since Aug. 1, 1922.

Ser. No. 175,276. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) TANNER & POINDEXTER, Atlanta, Ga. Filed Jan. 29, 1923.



No claim made to the exclusive use of the words "True" and "Pure." The drawing is lined to indicate shading only.
Particular description of goods.—Medicinal Tablets Used as a Liver Treatment, a System Purifier, a Cholagogue, and a Laxative Tablet.
Claims use since Jan. 1, 1923.

Ser. No. 175,331. (CLASS 1. RAW OR PARTLY-PREPARED MATERIALS.) EDWARD H. WARDWELL, New York, N. Y. Filed Jan. 30, 1923.

KAPASHELL

No claim is made to the word "Shell" apart from the mark as shown.
Particular description of goods.—Shell Found in the Philippine Archipelago.
Claims use since July 1, 1922.

Ser. No. 175,354. (CLASS 34. HEATING, LIGHTING, AND VENTILATING APPARATUS, NOT INCLUDING ELECTRICAL APPARATUS.) THE HUNTER DRY KILN COMPANY, Indianapolis, Ind. Filed Jan. 31, 1923.



NATURE CONTROLLED
EVERY DAY A PERFECT DRYING DAY

No claim is made to the representation of the dry kiln or to the words "Drying from the Inside Out," or to the words "Nature Controlled" apart from the other features of the mark.
Particular description of goods.—Dry Kilns.
Claims use since Feb. 1, 1922.

Ser. No. 175,439. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) ROANOKE MILLS COMPANY, Roanoke Rapids, N. C. Filed Feb. 2, 1923.



Particular description of goods.—Woven Cotton Fabrics Including Cotton Flannels.
Claims use since Dec. 20, 1922.

Ser. No. 176,008. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) ALFRED B. ADAMS, New York, N. Y. Filed Feb. 14, 1923.

Lipoïdes H.I.
ISCOVESCO

Particular description of goods.—Biotherapeutic and Opotherapeutic Products in Ampul and Pill Form.
Claims use since Feb. 5, 1922.

Ser. No. 176,030. (CLASS 39. CLOTHING.) MILTEX CLOAK & SUIT CO., New York, N. Y. Filed Feb. 14, 1923.

Kamelure

Particular description of goods.—Women's Cloaks, Suits, and Coats.
Claims use since Nov. 15, 1922.

Ser. No. 176,065. (CLASS 16. PAINTS AND PAINTERS' MATERIALS.) GODFREY L. CABOT, INC., Boston, Mass. Filed Feb. 15, 1923.

MONARCH

Particular description of goods.—Carbon Black.
Claims use since October, 1912.

Ser. No. 176,109. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) BEVIS ROCK SALT CO., Kansas City, Mo., and Lyons, Kans. Filed Feb. 16, 1923.



The lining in the drawing indicates a series of colors—viz, green, yellow, orange, red, purple, and blue from top to bottom.
Particular description of goods.—Salt.
Claims use since Nov. 1, 1922.

Ser. No. 176,110. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) BEVIS ROCK SALT CO., Kansas City, Mo., and Lyons, Kans. Filed Feb. 16, 1923.



The lining on the drawing represents the color red.
Particular description of goods.—Salt.
Claims use since Nov. 1, 1922.

Ser. No. 176,111. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) BEVIS ROCK SALT CO., Kansas City, Mo., and Lyons, Kans. Filed Feb. 16, 1923.



The lining in drawing represents the color red. The word "Brand" is disclaimed apart from the mark shown.
Particular description of goods.—Salt.
Claims use since Nov. 1, 1922.

Ser. No. 176,147. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) WHITMAN, WARD & LEE CO., Boston, Mass. Filed Feb. 16, 1923.



The words "Brand" and "Fillet of Haddock" are disclaimed apart from the mark as shown.
Particular description of goods.—Fresh Fish Which have Been Subjected to a Pickling Solution, Then Wrapped and Canned or Boxed.
Claims use since November, 1921.

Ser. No. 176,184. (CLASS 39. CLOTHING.) JACOB B. HIRSHFELD, doing business as J. B. Hirshfeld & Co., Inc., New York, N. Y. Filed Feb. 17, 1923.



Particular description of goods.—Knitted and Nainsook Underwear for Men, Women, and Children; Hosiery, and Sweaters.
Claims use since Oct. 4, 1917.

Ser. No. 176,244. (CLASS 39. CLOTHING.) ALLANDALE KNITTING MILLS, INC., New York, N. Y. Filed Feb. 19, 1923.



The word "Jacket" is disclaimed apart from the mark shown in the drawing.
Particular description of goods.—Knitted Outer Garments Comprising Knitted Sport Coats, Sweaters, Jackets, and Bathing Suits.
Claims use since about Oct. 21, 1922.

Ser. No. 176,369. (CLASS 19. VEHICLES, NOT INCLUDING ENGINES.) STERRETT & FLEMING, INCORPORATED, Washington, D. C. Filed Feb. 20, 1923.



The shading shown on drawing represents shading only and not color. The words "This is a certified motor car" are disclaimed apart from the other features of the mark.
Particular description of goods.—Used and Secondhand Motor Vehicles.
Claims use since Jan. 18, 1923.

Ser. No. 176,412. (CLASS 39. CLOTHING.) MAJESTIC SHOE COMPANY, New York, N. Y. Filed Feb. 21, 1923.



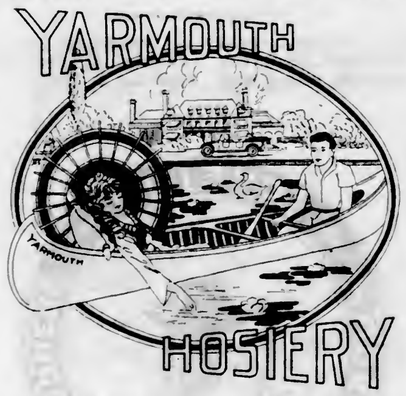
No rights are asserted to the exclusive use of the word "Shoe" apart from the mark shown in the drawing.
Particular description of goods.—Shoes of Leather and Fabric and Combinations Thereof.
Claims use since November, 1921.

Ser. No. 176,451. (CLASS 39. CLOTHING.) CLUETT, PEABODY & COMPANY, INC., Troy, N. Y. Filed Feb. 23, 1923.

ARROW-TEX

Particular description of goods.—Collars.
Claims use since Feb. 13, 1923.

Ser. No. 176,465. (CLASS 39. CLOTHING.) EDWARD HEATHCOTE, New York, N. Y. Filed Feb. 23, 1923.



No claim is made to the exclusive use of the words "Yarmouth" and "Hosiery" apart from the mark as shown.
Particular description of goods.—Men's, Ladies', Boys', and Girls' Hosiery, Underwear, Sweaters, Gloves, and Mittens of Knitted Fabrics.
Claims use since Jan. 1, 1923.

Ser. No. 176,480. (CLASS 2. RECEPTACLES.) KEYNOTE MANUFACTURING CO. INC., Indianapolis, Ind. Filed Feb. 23, 1923.

KEYNOTE

Particular description of goods.—Septic Tanks.
Claims use since Sept. 15, 1922.

Ser. No. 176,486. (CLASS 39. CLOTHING.) LORD & TAYLOR, New York, N. Y. Filed Feb. 23, 1923.

FLEX-I-PED

Particular description of goods.—Shoes of Leather and of Leather and Rubber.
Claims use since Feb. 9, 1923.

Ser. No. 176,497. (CLASS 50. MERCHANDISE NOT OTHERWISE CLASSIFIED.) NICHOLSON'S RAINCOAT CO., LIMITED, St. Albans, England. Filed Feb. 23, 1923.

Perramus

Particular description of goods.—Waterproofed Fabrics in the Piece Consisting Chiefly of Wool.
Claims use since Aug. 22, 1892.

Ser. No. 176,547. (CLASS 39. CLOTHING.) AMOS L. HORST, New York, N. Y. Filed Feb. 24, 1923.

LUXOR



HORST HOSIERY
SILK HOSE

The words "Horst Hosiery" and "Silk Hose" are hereby disclaimed.
Particular description of goods.—Hosiery.
Claims use since Feb. 21, 1923.

Ser. No. 176,617. (CLASS 19. VEHICLES, NOT INCLUDING ENGINES.) THE ALFRED C. GOETHEL CO., Milwaukee, Wis. Filed Feb. 26, 1923.



The vertical shade lines or parts of the letters comprising the mark represent red coloring. Other parts of each letter are black, as indicated. The words "Trade Mark" are disclaimed apart from the mark as shown.
Particular description of goods.—Sheet-Metal Sectional Rowboats.
Claims use since Oct. 1, 1921.

Ser. No. 176,624. (CLASS 1. RAW OR PARTLY-PREPARED MATERIALS.) HARRISBURG COAL MINING COMPANY, Chicago, Ill. Filed Feb. 26, 1923.



The lining of drawing indicates blue. The word "Coal" does not form a part of the registration sought apart from the mark shown in the drawing.

Particular description of goods.—Coal.

Claims use since July, 1920.

Ser. No. 176,646. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) S. H. PARRISH COMPANY, Chicago, Ill. Filed Feb. 26, 1923.

PAR-O-LITE

Trade-mark consists of the coined word "Par-O-Lite."

Particular description of goods.—Drying Liquid Composition of Matter for Rendering Paper Transparent.

Claims use since July 1, 1921.

Ser. No. 176,790. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) DYESTUFFS & CHEMICALS, INCORPORATED, St. Louis, Mo. Filed Mar. 1, 1923.

GOLDEN CHURN

Particular description of goods.—Coloring Matter for Butter.

Claims use since about July, 1921.

Ser. No. 176,905. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) GEORGE M. MILLER, Brooklyn, N. Y. Filed Mar. 3, 1923.



Particular description of goods.—Liquid, Cream, and Pomade Hair Dressings.

Claims use since Jan. 15, 1923.

Ser. No. 177,020. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) CHARLES W. PRICE, doing business as C. W. P. Company, New York, N. Y. Filed Mar. 5, 1923.



Particular description of goods.—Hair Tonics, Shampoo Jelly, Massage Oil, Brilliantine, Cold Cream, Face Creams, Rouge Pastes and Powders, Face Lotions, Tooth Pastes and Powders; Nail Polish, Both Liquid and Powder; Antiseptic Lotions, Toilet Waters, Talcum Powders, Perfumery, and Antiseptic Hair Creams.

Claims use since Feb. 2, 1923.

Ser. No. 177,090. (CLASS 19. VEHICLES, NOT INCLUDING ENGINES.) LOVEJOY MANUFACTURING COMPANY, Boston, Mass. Filed Mar. 7, 1923.

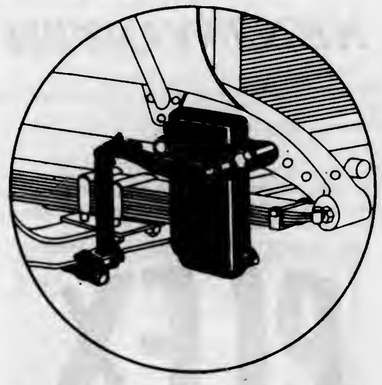


No claim is made to the exclusive use of the representation of a shock absorber, or to the words "Hydraulic Shock Absorbers," or to the word "Hydraulic," or to the letters "U. S. A." apart from the mark in its entirety shown.

Particular description of goods.—Hydraulic Shock Absorbers for Automobiles.

Claims use since Aug. 21, 1922.

Ser. No. 177,091. (CLASS 19. VEHICLES, NOT INCLUDING ENGINES.) LOVEJOY MANUFACTURING COMPANY, Boston, Mass. Filed Mar. 7, 1923.



No claim is made to the exclusive use of the representation of a shock absorber, or the word "Hydraulic," or the letters "U. S. A." apart from the mark in its entirety shown.

Particular description of goods.—Hydraulic Shock Absorbers for Automobiles.

Claims use since August, 1919.

Ser. No. 177,121. (CLASS 39. CLOTHING.) CHESAPEAKE WEAVING MILLS, INC., Havre de Grace, Md., and Philadelphia, Pa. Filed Mar. 8, 1923.

KAPER KAPES

No claim is made to the word "Kapes" apart from the mark shown.

Particular description of goods.—Bathing Capes.

Claims use since Jan. 1, 1923.

Ser. No. 177,143. (CLASS 22. GAMES, TOYS, AND SPORTING GOODS.) ERNEST G. SLOMAN, San Francisco, Calif. Filed Mar. 8, 1923.



Particular description of goods.—Card Game.

Claims use since Feb. 13, 1923.

Ser. No. 177,286. (CLASS 19. VEHICLES, NOT INCLUDING ENGINES.) DAVID FEINBERG COMPANY, doing business as Snappee Co., Chelsea, Mass. Filed Mar. 12, 1923.

RED TIP

Trade-mark consists of the words "Red Tip."

Particular description of goods.—Spring Covers and Grease Boots.

Claims use since Sept. 16, 1922.

Ser. No. 177,318. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) NORTHWESTERN YEAST COMPANY, Chicago, Ill. Filed Mar. 12, 1923.



Particular description of goods.—A Yeast Vitamine Product Used as a General or System Tonic.

Claims use since Jan. 25, 1922.

Ser. No. 177,333. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) JOHN A. SWOPE, Jr., doing business as Human Hand Cake Beater Co., Union Deposit, Pa. Filed Mar. 12, 1923.



Particular description of goods.—Cake Beaters and Mixers.

Claims use since Oct. 25, 1922.

Ser. No. 177,377. (CLASS 39. CLOTHING.) HICKEY-FREEMAN CO., Rochester, N. Y. Filed Mar. 13, 1923.

GLEN—SPRAY

Particular description of goods.—Overcoats and Topcoats.

Claims use since Sept. 25, 1922.

Ser. No. 177,420. (CLASS 43. THREAD AND YARN.) CARROLL D. NEWELL, New York, N. Y. Filed Mar. 13, 1923.



No claim is made to the word "Yarns" apart from the mark shown in the drawing.

Particular description of goods.—Yarn.

Claims use since Dec. 1, 1922.

Ser. No. 177,448. (CLASS 19. VEHICLES, NOT INCLUDING ENGINES.) THE MIFFLINBURG BODY COMPANY, Mifflinburg, Pa. Filed Mar. 14, 1923.



The words "Mifflinburg, Pennsylvania" and the representation of an automobile body appearing in the drawing are disclaimed apart from the other features of the trade-mark.

Particular description of goods.—Commercial-Automobile Bodies.

Claims use since Jan. 8, 1923.

Ser. No. 177,485. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) ABBACES B. GRAY, doing business as A. B. Gray Company, Sullivan, Ind. Filed Mar. 15, 1923.

GRAYOLA

Particular description of goods.—Prepared Mustard, Vinegar, Tomato Catchup, Peanut Butter, Coffee, and Canned Fruits and Vegetables—Namely, Peaches, Corn, Tomatoes, and Canned Sauerkraut.

Claims use since Nov. 1, 1921.

Ser. No. 177,502. (CLASS 29. BROOMS, BRUSHES, AND DUSTERS.) MCKESSON & ROBBINS INC., New York, N. Y. Filed Mar. 15, 1923.

KENTWORTH

Particular description of goods.—Brushes of Various Kinds.

Claims use since March, 1922.

Ser. No. 177,563. (CLASS 16. PAINTS AND PAINTERS' MATERIALS.) LARSON-SORAHAN CO., INC., Salem, Oreg. Filed Mar. 16, 1923.

PLEX

Particular description of goods.—Furniture and Automobile Polish.

Claims use since July 1, 1922.

Ser. No. 177,607. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) KEYSTONE FRUIT PRODUCTS COMPANY, Cincinnati, Ohio. Filed Mar. 17, 1923.

PEACHMOND

Particular description of goods.—Preserved Fruit.

Claims use since Jan. 1, 1923.

Ser. No. 177,774. (CLASS 34. HEATING, LIGHTING, AND VENTILATING APPARATUS, NOT INCLUDING ELECTRICAL APPARATUS.) W. F. DOUGHERTY & SONS, INCORPORATED, Philadelphia, Pa. Filed Mar. 21, 1923.



Particular description of goods.—Coal and Gas Combination Ranges and Broilers and Warming Closets for Hotels, Restaurants, Steamships, and Institutions.

Claims use since 1916

Ser. No. 177,818. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) BARRON-GRAY PACKING CO., San Jose, Calif. Filed Mar. 22, 1923.

SANTAVALLEY

Particular description of goods.—Canned Fruit and Vegetables and Dried Fruit.

Claims use since Jan. 27, 1923.

Ser. No. 177,858. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) IDA MCKOIN, Guthrie, Okla. Filed Mar. 22, 1923.



Particular description of goods.—Hair Grower.

Claims use since Apr. 1, 1919.

Ser. No. 177,894. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) JOSEPH F. BEERLI, Cleveland, Ohio. Filed Mar. 23, 1923.

S-P-N

Particular description of goods.—Physiological Nutritive Salts.

Claims use since Jan. 26, 1923.

Ser. No. 177,903. (CLASS 39. CLOTHING.) EVERETT KNITTING WORKS, Lebanon, N. H. Filed Mar. 23, 1923.

Baby Dartmouth

Particular description of goods.—Infants' Knitted Underwear Both One and Two Piece Wrappers and Bands.

Claims use since October, 1922.

Ser. No. 177,904. (CLASS 39. CLOTHING.) EVERETT KNITTING WORKS, Lebanon, N. H. Filed Mar. 23, 1923.

Miss Dartmouth

Particular description of goods.—Misses' and Childrens' Knitted Underwear Both One and Two Piece and Sleeping Suits.

Claims use since October, 1922.

Ser. No. 177,941. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) WILLIAM R. WEDRICK, Silver Lake, Ind. Filed Mar. 23, 1923.



The words "Brand," "Fancy," and "Onions" are hereby disclaimed apart from the other features of the mark.

Particular description of goods.—Onions in Their Natural State.

Claims use since Aug. 12, 1922.

Ser. No. 177,946. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) ATLANTIC MILLS, Stottville, N. Y. Filed Mar. 24, 1923.

Konia

Particular description of goods.—Woolen Piece Goods.

Claims use since July, 1922.

Ser. No. 177,947. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) ATLANTIC MILLS, Stottville, N. Y. Filed Mar. 24, 1923.

Tarragona

Particular description of goods.—Cotton Piece Goods and Woolen Piece Goods and Piece Goods of Mixed Cotton and Wool.

Claims use since July, 1922.

Ser. No. 177,951. (CLASS 35. BELTING, HOSE, MACHINERY PACKING, AND NONMETALLIC TIRES.) THE BRUNSWICK-BALKE-COLLENDER COMPANY, Wilmington, Del., and Chicago, Ill. Filed Mar. 24, 1923.

SEDAN

Particular description of goods.—Rubber and Fabric Tires.

Claims use since Mar. 12, 1923.

Ser. No. 177,972. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) JOSEPH F. HREJSA, Chicago, Ill. Filed Mar. 24, 1923.

BROVULES

Particular description of goods.—Laxative Preparations.

Claims use since Nov. 7, 1918.

Ser. No. 177,998. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) THE PROCTER AND GAMBLE COMPANY, Cincinnati, Ohio. Filed Mar. 24, 1923.



Particular description of goods.—Glycerin.
Claims use since April, 1919.

Ser. No. 178,008. (CLASS 19. VEHICLES, NOT INCLUDING ENGINES.) THE UNION STEEL PRODUCTS COMPANY, LTD., Albion, Mich. Filed Mar. 24, 1923.



Particular description of goods.—Pie, Cooky, and Bread Rack Trucks, Proof Box Trucks, Dough-Trough Trucks, Table Trucks, Steel Trucks, Tank Trucks, Barrel Trucks, Coal Trucks, Display Case Trucks, Tray-Carrier Trucks, Truck Parts, Stand Trucks, Ash-Can Trucks, and Store and Factory Trucks.
Claims use since Mar. 15, 1913.

Ser. No. 178,017. (CLASS 16. PAINTS AND PAINTERS' MATERIALS.) AMERICAN ASPHALT PAINT CO., Chicago, Ill. Filed Mar. 26, 1923.



Particular description of goods.—Ready-Mixed Paint.
Claims use since Feb. 15, 1922.

Ser. No. 178,022. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) THE BLUE BIRD REMEDY CO., Minneapolis, Minn. Filed Mar. 26, 1923.



Particular description of goods.—Medicinal Preparation Used in the Treatment of Asthma, Hay Fever, and Eczema.
Claims use since Mar. 1, 1920.

Ser. No. 178,072. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) PAUL L. TARARA, St. Paul, Minn. Filed Mar. 26, 1923.



Particular description of goods.—Antiseptic Foot Powder.
Claims use since Dec. 1, 1922.

Ser. No. 178,084. (CLASS 39. CLOTHING.) MARTHA MAID MANUFACTURING COMPANY, INCORPORATED, Chicago, Ill. Filed Mar. 26, 1923.



Particular description of goods.—Cotton, Silk, Wool, and Linen Underwear of Knitted and Textile Fabric for Females.
Claims use since November, 1920.

Ser. No. 178,121. (CLASS 15. OILS AND GREASES.) PURE OIL COMPANY, Columbus, Ohio. Filed Mar. 27, 1923.

GUARDIAN

Particular description of goods.—Cylinder Oil.
Claims use since May, 1910.

Ser. No. 178,123. (CLASS 15. OILS AND GREASES.) PURE OIL COMPANY, Columbus, Ohio. Filed Mar. 27, 1923.

WHITE CLOVER

Particular description of goods.—Lubricating Oil for Hand Separators.
Claims use since May, 1912.

Ser. No. 178,124. (CLASS 15. OILS AND GREASES.) PURE OIL COMPANY, Columbus, Ohio. Filed Mar. 27, 1923.

MONEY BACK

Particular description of goods.—Graphite Farm-Machinery Oil.
Claims use since July, 1912.

Ser. No. 178,125. (CLASS 15. OILS AND GREASES.) PURE OIL COMPANY, Columbus, Ohio. Filed Mar. 27, 1923.

NORTHWESTERN

Particular description of goods.—Farm-Machinery-Lubricating Oil.
Claims use since May, 1910.

Ser. No. 178,133. (CLASS 15. OILS AND GREASES.) PURE OIL COMPANY, Columbus, Ohio. Filed Mar. 27, 1923.

CONCORD

Particular description of goods.—Axle Grease.
Claims use since May, 1910.

Ser. No. 178,134. (CLASS 15. OILS AND GREASES.) PURE OIL COMPANY, Columbus, Ohio. Filed Mar. 27, 1923.

Fast Mail

Particular description of goods.—Hard Oil.
Claims use since May, 1910.

Ser. No. 178,144. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) SOCIETE ANONYME PARFUMERIE VIOLET, Paris, France. Filed Mar. 27, 1923.

Veolay

Particular description of goods.—Perfumes, Toilet Waters, Face Powders, Talcum Powders, Sachet Powders, Lotion for the Skin and Hair, Rouge, and Brilliantine.
Claims use since January, 1923.

Ser. No. 178,160. (CLASS 1. RAW OR PARTLY-PREPARED MATERIALS.) C. D. BROWN & CO., INC., Rochester, N. Y. Filed Mar. 28, 1923.

ATTA BROWN

Applicant hereby disclaims the word "Brown" apart from the trade-mark as a whole, which is "Atta Brown."
Particular description of goods.—Finished Upper-Leather Calfskins.
Claims use since Apr. 10, 1922.

Ser. No. 178,161. (CLASS 1. RAW OR PARTLY-PREPARED MATERIALS.) C. D. BROWN & CO., INC., Rochester, N. Y. Filed Mar. 28, 1923.

ATTA RED

Applicant hereby disclaims the word "Red" apart from the trade-mark as a whole, which is "Atta Red."
Particular description of goods.—Finished Upper-Leather Calfskins.
Claims use since Apr. 10, 1922.

Ser. No. 178,200. (CLASS 12. CONSTRUCTION MATERIALS.) ROBERT E. WHITE, Absecon, N. J. Filed Mar. 28, 1923.

BOB WHITE

Particular description of goods.—Cement and Concrete Blocks, Bricks, and Building Units.
Claims use since May 19, 1922.

Ser. No. 178,208. (CLASS 37. PAPER AND STATIONERY.) BECKER PAPER CORPORATION, New York, N. Y. Filed Mar. 29, 1923.

SPEC. NO. 111

Particular description of goods.—Writing and Bond Paper.
Claims use since about Mar. 8, 1923.

Ser. No. 178,238. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) EDRAL COMPANY, Cincinnati, Ohio. Filed Mar. 29, 1923.

PY-MAS-CIDE

Particular description of goods.—Chemicals Consisting of a Tooth Paste, Liquid and Paste Mouth Wash; Cream, Liquid, and Paste Gum Massage; Also a Film and Tartar Discoloring Stain.
Claims use since June 10, 1921.

Ser. No. 178,239. (CLASS 19. VEHICLES, NOT INCLUDING ENGINES.) ELLIS RESILIENT WHEEL CORPORATION, Seattle, Wash. Filed Mar. 29, 1923.



Particular description of goods.—Wheels of Automobiles and Industrial Cars.
Claims use since Jan. 15, 1920.

Ser. No. 178,267. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) THE MIHALOVITCH CO., Cincinnati, Ohio. Filed Mar. 29, 1923.



Particular description of goods.—Rubbing and Massage Alcohol, Skin Cleanser, Hair Tonic, and After-Shaving Lotion.
Claims use since January, 1922.

Ser. No. 178,284. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) WILLIAM FREDERICK RETT, doing business as Nu-Ka-Na Remedy Co., Roselle, N. J. Filed Mar. 29, 1923.

Nu-Ka-Na

Particular description of goods.—Medicine Known in the Trade as a Blood Purifier and Body Builder.
Claims use since Jan. 1, 1923.

Ser. No. 178,335. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) THE FANTEA COMPANY, Brooklyn, N. Y. Filed Mar. 30, 1923.



No claim made to the exclusive use of the word "Tea" apart from the mark as shown on the drawing.
Particular description of goods.—Tea Put Up in Tea Balls.
Claims use since Mar. 22, 1923.

Ser. No. 178,343. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) HOFFMAN CANDY CO., Cleveland, Ohio. Filed Mar. 30, 1923.

Hoffo-Lite

Particular description of goods.—Candy Bar.
Claims use since Apr. 17, 1922.

Ser. No. 178,344. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) LOUIS KALETSKY, Syracuse, N. Y. Filed Mar. 30, 1923.

LA-KALETZ

Particular description of goods.—Externally-Applied Medicine for Rheumatism and Backache.
Claims use since Mar. 1, 1923.

Ser. No. 178,359. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) THE REESE CHEMICAL COMPANY, Cleveland, Ohio. Filed Mar. 30, 1923.



Particular description of goods.—Remedy for the Treatment of Goiter.
Claims use since Feb. 1, 1923.

Ser. No. 178,388. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) ISADORE HOLLANDER, doing business as Hollander Chemical Works, Bayonne, N. J. Filed Mar. 31, 1923.



Particular description of goods.—Insecticides.
Claims use since Sept. 15, 1922.

Ser. No. 178,421. (CLASS 1. RAW OR PARTLY-PREPARED MATERIALS.) ARTHUR A. WILLIAMS, doing business as Arthur Williams Shoe Company, Hollliston, Mass. Filed Mar. 31, 1923.

Goodwill

Particular description of goods.—Leather Used in Manufacturing and Repairing Shoes.
Claims use since Aug. 1, 1921.

Ser. No. 178,423. (CLASS 22. GAMES, TOYS, AND SPORTING GOODS.) ALDERMAN, FAIRCHILD CO., Rochester, N. Y. Filed Apr. 2, 1923.



The words "Auto Race Game" are not a part of the trade-mark and are disclaimed.
Particular description of goods.—Game Known as Spedem, a Table Game Played with Pieces and Marked Cubes or Rotary Counter.
Claims use since Mar. 1, 1923.

Ser. No. 178,474. (CLASS 1. RAW OR PARTLY-PREPARED MATERIALS.) H. W. SELLE & CO., Chicago, Ill. Filed Apr. 2, 1923.

PROTEX

Particular description of goods.—Packing Pads Made of Excelsior or Similar Packing Material and Having a Covering of Paper or Similar Material and Designed for Use in Packing Objects for Shipments.
Claims use since Dec. 15, 1922.

Ser. No. 178,497. (CLASS 1. RAW OR PARTLY-PREPARED MATERIALS.) DELTA EXPORT LUMBER CORPORATION, Memphis, Tenn. Filed Apr. 3, 1923.

DELTA

Particular description of goods.—Logs.
Claims use since June 1, 1922.

Ser. No. 178,542. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) ALTOONA PACKING COMPANY, Astoria, Oreg. Filed Apr. 4, 1923.

Alpaco

Particular description of goods.—Canned Fish.
Claims use since Aug. 14, 1916.

Ser. No. 178,551. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) J. F. BUTTS CO., San Francisco, Calif. Filed Apr. 4, 1923.

GOLDEN WREATH

Particular description of goods.—Canned Fruits and Vegetables.
Claims use since Nov. 10, 1922.

Ser. No. 178,574. (CLASS 31. FILTERS AND REFRIGERATORS.) STEINFELD INC., New York, N. Y. Filed Apr. 4, 1923.



No claim made to the word "Freezer" apart from the mark shown.
Particular description of goods.—Ice-Cream Freezers.
Claims use since Jan. 23, 1923.

Ser. No. 178,601. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) ANNA D. FLYNN, Beach Bluff, Mass. Filed Apr. 5, 1923.



Anna Dorothea

Particular description of goods.—Candy.
Claims use since Feb. 12, 1923.

Ser. No. 178,602. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) ANNA D. FLYNN, Beach Bluff, Mass. Filed Apr. 5, 1923.

Anna Dorothea

Trade-mark consists of the words "Anna Dorothea."
Particular description of goods.—Candy.
Claims use since Feb. 12, 1923.

Ser. No. 178,611. (CLASS 12. CONSTRUCTION MATERIALS.) HIGHLAND LAKE PAPER COMPANY, Walpole, Mass. Filed Apr. 5, 1923.

MINK BRAND



No claim made to the word "Brand."
Particular description of goods.—Sheathing Paper, Waterproof Building Paper, Roofing Paper, Tar Felt, and Asphalt Shingles.
Claims use since 1897.

Ser. No. 178,613. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) MARY B. HORNER, doing business as H. & H. Products Company, Atlanta, Ga. Filed Apr. 5, 1923.

Ve-lo-ra

Particular description of goods.—Shampoo Cream.
Claims use since Feb. 10, 1923.

Ser. No. 178,647. (CLASS 16. PAINTS AND PAINTERS' MATERIALS.) WESTCOTT, SLADE AND BALCOM COMPANY, Providence, R. I. Filed Apr. 5, 1923.

MUR-COP

Particular description of goods.—Boat Paint.
Claims use since Mar. 15, 1921.

Ser. No. 178,702. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) ARMOUR AND COMPANY, Chicago, Ill. Filed Apr. 7, 1923.

INSULASE

Particular description of goods.—Medicinal Preparation Used in the Treatment of Diabetes.
Claims use since about Dec. 1, 1922.

Ser. No. 178,724. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) MICHAEL W. KENT, doing business as Kent Company, Kansas City, Mo. Filed Apr. 7, 1923.

MyKel

Particular description of goods.—Dentifrice in Powder Form.
Claims use since Oct. 23, 1922.

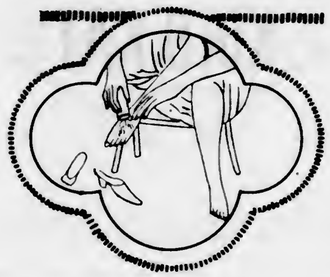
Ser. No. 178,745. (CLASS 45. BEVERAGES, NONALCOHOLIC.) J. F. LAZIER MFG. CO., St. Louis, Mo. Filed Apr. 7, 1923.

NOXALL

Particular description of goods.—Nonalcoholic Maltless Soft Drinks.
Claims use since 1919.

Ser. No. 178,767. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) ODEX PRODUCTS COMPANY, Chicago, Ill. Filed Apr. 7, 1923.

ODEX



Particular description of goods.—Foot Powder.
Claims use since Mar. 1, 1923.

Ser. No. 178,793. (CLASS 19. VEHICLES, NOT INCLUDING ENGINES.) WIRE WHEEL CORPORATION OF AMERICA, Buffalo, N. Y. Filed Apr. 7, 1923.



The exclusive use of the word "Disc" is disclaimed apart from its use with the other features of the mark as set forth in the drawing.
Particular description of goods.—Metal Disk for Motor Vehicles and Parts Thereof.
Claims use since Feb. 1, 1923.

Ser. No. 178,819. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) GEORGE C. BUELL & CO. INC., Rochester, N. Y. Filed Apr. 9, 1923.



Particular description of goods.—Coffee.
Claims use since 1905.

Ser. No. 178,831. (CLASS 1. RAW OR PARTLY-PREPARED MATERIALS.) FRANK M. EDWARDS, Milwaukee, Wis. Filed Apr. 9, 1923.



Applicant disclaims the words "Landscape Architect Milwaukee" apart from the trade-mark as shown on the drawing.
Particular description of goods.—Trees, Plants, Shrubs, and Bushes.
Claims use since Apr. 1, 1923.

Ser. No. 178,841. (CLASS 19. VEHICLES, NOT INCLUDING ENGINES.) HAINES MANUFACTURING CORPORATION, Rochester, N. Y. Filed Apr. 9, 1923.

MASTERAY
A SPECIAL TINT—FOR A SPECIAL PURPOSE

No claim is made for the words "A Special Tint for a Special Purpose."
Particular description of goods.—Automobile Accessories—Namely, Glare Shields, Same Being a Metal Bracket Adjustingly Supporting Tinted Glass to Neutralize the Glare from Approaching Headlights.
Claims use since Jan. 10, 1923.

Ser. No. 178,867. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) THE RICHARDSON-MARSH CORPORATION, Orlando, Fla. Filed Apr. 9, 1923.

BES-YET

Particular description of goods.—Fresh Citrous Fruits.
Claims use since Nov. 1, 1921.

Ser. No. 179,328. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) SALMON FALLS MANUFACTURING COMPANY, Boston, Mass. Filed Apr. 18, 1923.



The applicant disclaims any exclusive right to the representation of a tire apart from the mark shown in the drawing.
Particular description of goods.—Tire Fabrics in the Piece.
Claims use since May 23, 1922.

Ser. No. 179,513. (CLASS 45. BEVERAGES, NONALCOHOLIC.) BEVERAGE EXTRACT COMPANY, Chicago, Ill. Filed Apr. 23, 1923.

ZENO

Particular description of goods.—Nonintoxicating, Nonalcoholic, Noncereal, Maltless Beverage Sold as Soft Drink and a Compound in Powdered Form for Use in Making Such Beverages.
Claims use since Mar. 16, 1923.

Ser. No. 179,576. (CLASS 39. CLOTHING.) WILLOW WEAVING CO. INC., New York, N. Y. Filed Apr. 23, 1923.

WILLOWASH

Trade-mark consists of the word "Willowash."
Particular description of goods.—Cravats.
Claims use since Aug. 1, 1922.

Ser. No. 179,590. (CLASS 45. BEVERAGES, NONALCOHOLIC.) CHARLES G. DILLON, New York, N. Y. Filed Apr. 24, 1923.

A SUPERIOR DRINK
KOLD KAT
ABSOLUTELY PURE
NO ARTIFICIAL COLOR
NO ARTIFICIAL FLAVOR

The words "A Superior Drink," "Absolutely Pure," "No Artificial Color," and "No Artificial Flavor" are disclaimed apart from the mark shown in the drawing. The lines indicating a diamond-shaped label are not claimed as forming any part of the mark.
Particular description of goods.—Nonalcoholic, Maltless Beverage Sold as a Soft Drink and Syrups for Making the Same.
Claims use since Mar. 15, 1923.

Ser. No. 179,599. (CLASS 17. TOBACCO PRODUCTS.) JOHN C. HERMAN & COMPANY, Harrisburg, Pa. Filed Apr. 24, 1923.

GENERAL KNOX



Trade-mark consists of a facsimile signature and portrait of Henry Knox, deceased, Revolutionary general and Secretary of War 1785–1795, and the words "General Knox."
Particular description of goods.—Cigars.
Claims use since Sept. 4, 1908.

Ser. No. 179,636. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) THOMAS S. WILLIAMS, Republic, Wash. Filed Apr. 24, 1923.

T.S.W.

Particular description of goods.—Preparation for the Removal of Dandruff and for the Treatment of Scalp and Skin Diseases.
Claims use since Jan. 1, 1923.

Ser. No. 179,693. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) VOSS & STERN, New York, N. Y. Filed Apr. 25, 1923.

Satinella

Particular description of goods.—Sateen Piece Goods.
Claims use since Dec. 30, 1921.

Ser. No. 179,705. (CLASS 19. VEHICLES, NOT INCLUDING ENGINES.) THE C. G. SPRING COMPANY, Kalamazoo, Mich. Filed Apr. 26, 1923.

PARABAR

Particular description of goods.—Bumpers.
Claims use since about Feb. 15, 1923.

Ser. No. 179,706. (CLASS 19. VEHICLES, NOT INCLUDING ENGINES.) THE C. G. SPRING COMPANY, Kalamazoo, Mich. Filed Apr. 26, 1923.

OVABAR

Particular description of goods.—Bumpers.
Claims use since about Feb. 15, 1923.

Ser. No. 179,707. (CLASS 19. VEHICLES, NOT INCLUDING ENGINES.) THE C. G. SPRING COMPANY, Kalamazoo, Mich. Filed Apr. 26, 1923.

SINGABAR

Particular description of goods.—Bumpers.
Claims use since about Feb. 15, 1923.

Ser. No. 179,722. (CLASS 39. CLOTHING.) HEIDELBERG, WOLFF & CO., New York, N. Y. Filed Apr. 26, 1923.

BALLYROOD
SPORT WEAR
TAILORED IN NEW YORK

No claim is made in this application to the words "Sport Wear Tailored in New York," without, however, thereby waiving any common-law rights.
Particular description of goods.—Overcoats, Raincoats, Smoking Jackets, House Coats, Norfolk Jackets, Topcoats, Golf Suits, and Sport Suits.
Claims use since about Feb. 1, 1923.

Ser. No. 179,748. (CLASS 39. CLOTHING.) N. SIMON & CO., Chicago, Ill. Filed Apr. 26, 1923.



Particular description of goods.—Apron Dresses.
Claims use since Jan. 15, 1923.

Ser. No. 179,774. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) GEORGE G. BROWN, New York, N. Y. Filed Apr. 27, 1923.

AUTOMAGIC

Particular description of goods.—Carburetors.
Claims use since Apr. 9, 1923.

Ser. No. 179,820. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) RED HEAD MANUFACTURING COMPANY, New York, N. Y. Filed Apr. 27, 1923.



Particular description of goods.—Hand Drills.
Claims use since Jan. 30, 1923.

Ser. No. 179,873. (CLASS 39. CLOTHING.) LEWIS-WISE CO., INC., New York, N. Y. Filed Apr. 28, 1923.

LOCKER ROBE

Trade-mark consists of the word "Locker Robe," no claim being made to the exclusive use of the word "Robe" apart from the mark as shown in the drawing.

Particular description of goods.—Men's Robes.

Claims use since Feb. 1, 1923.

Ser. No. 179,876. (CLASS 45. BEVERAGES, NON-ALCOHOLIC.) WILLIAM MCKEE, Minneapolis, Minn. Filed Apr. 28, 1923.

Radilla

Particular description of goods.—Nonalcoholic, Maltless Beverage Sold as a Soft Drink.

Claims use since June 15, 1922.

Ser. No. 179,916. (CLASS 39. CLOTHING.) AMERICAN LADY CORSET COMPANY, Detroit, Mich. Filed Apr. 30, 1923.

FLEX-TEX

Particular description of goods.—Corsets, Corset Waists, Brassières, Bandeaux, Girdles, Hose Supporters, Diaphragm Confiners, Ladies' Undergarments—Namely, Camisoles, Step-Ins, Chemises, Vests, Corset Covers, and Combinations of Brassières and Corsets.

Claims use since Mar. 1, 1923.

Ser. No. 179,926. (CLASS 37. PAPER AND STATIONERY.) THE J. W. BUTLER PAPER CO., Chicago, Ill. Filed Apr. 30, 1923.

Lithocraft

Particular description of goods.—Print Paper, Book Paper, Cover Paper, Writing Paper, Bond Paper, Bristol Board, Cardboard, and Thin Papers Used for Manifold-Copy Work.

Claims use since March, 1920.

Ser. No. 179,946. (CLASS 39. CLOTHING.) JEROME L. MILLER, doing business as J. L. Miller Knitting Mill, Hazleton, Pa. Filed Apr. 30, 1923.

MILLER MAID

Particular description of goods.—Ladies' Cotton Knit Underwear.

Claims use since Feb. 12, 1923.

Ser. No. 179,955. (CLASS 22. GAMES, TOYS, AND SPORTING GOODS.) PUNG-CHOW COMPANY, INC., New York, N. Y. Filed Apr. 30, 1923.



The drawing is not lined for color.

Particular description of goods.—Games Played With Pieces Somewhat Similar to Dominoes and Parts Thereof.

Claims use since Jan. 26, 1922.

Ser. No. 179,956. (CLASS 22. GAMES, TOYS, AND SPORTING GOODS.) PUNG-CHOW COMPANY, INC., New York, N. Y. Filed Apr. 30, 1923.



Particular description of goods.—Game Played With Pieces Somewhat Similar to Dominoes and Parts Thereof.

Claims use since Jan. 26, 1922.

Ser. No. 179,962. (CLASS 29. BROOMS, BRUSHES, AND DUSTERS.) RUBBER & CELLULOID PRODUCTS COMPANY, doing business as Rubberset Company, Newark, N. J. Filed Apr. 30, 1923.

BILL SQUAT

Particular description of goods.—Shaving Brushes.

Claims use since Jan. 5, 1923.

Ser. No. 179,987. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) BOTANY WORSTED MILLS, Passaic, N. J. Filed May 1, 1923.

FRAM

Particular description of goods.—Worsted Yarn Fabric Known in the Textile Industry as "Reps."

Claims use since 1916.

Ser. No. 179,988. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) BOTANY WORSTED MILLS, Passaic, N. J. Filed May 1, 1923.

EPINGLE

Particular description of goods.—Worsted Yarn Fabric Known in the Textile Industry as "Reps."

Claims use since 1900.

Ser. No. 180,223. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) JOLIET MANUFACTURING COMPANY, Joliet, Ill. Filed May 5, 1923.

The Joliet

The words "The Joliet" are disclaimed except in connection with the other features of the mark, though applicant does not waive any common-law rights thereto by making this disclaimer.

Particular description of goods.—Corn Shellers.

Claims use since Mar. 10, 1923.

Ser. No. 180,248. (CLASS 15. OILS AND GREASES.) SNOWOLENE HOLDING COMPANY, Los Angeles, Calif. Filed May 5, 1923.



Applicant disclaims the exclusive right to the use of the word "Quality" apart from the mark as shown.

Particular description of goods.—Gasoline, Kerosene, Lubricating Oils, Petroleum Distillate.

Claims use since Jan. 1, 1923.

Ser. No. 180,307. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) STAR CAN OPENER COMPANY, San Francisco, Calif. Filed May 7, 1923.

Star

Particular description of goods.—Can Openers.

Claims use since Nov. 1, 1922.

Ser. No. 180,325. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) JABEZ BURNS & SONS, New York, N. Y. Filed May 8, 1923.

PREMIX

Particular description of goods.—Roasters and Parts and Supplies for Same for Roasting Food Products, Such as Coffee, Cocoa, Peanuts, Cereals, Etc.

Claims use since Apr. 26, 1923.

Ser. No. 180,403. (CLASS 26. MEASURING AND SCIENTIFIC APPLIANCES.) WILLSON GOGGLES, INC., Reading, Pa. Filed May 9, 1923.

CLIPCUP

Particular description of goods.—Ophthalmic Mountings and Parts Thereof.

Claims use since May 1, 1923.

Ser. No. 180,406. (CLASS 15. OILS AND GREASES.) FREDERICK J. ABBOTT, doing business as Crystal Petroleum Products Corporation, Los Angeles, Calif. Filed May 10, 1923.

PRONTO

Particular description of goods.—Motor Fuels.

Claims use since Apr. 18, 1923.

Ser. No. 180,407. (CLASS 15. OILS AND GREASES.) FREDERICK J. ABBOTT, doing business as Crystal Petroleum Products Corporation, Los Angeles, Calif. Filed May 10, 1923.

SOARITE

Particular description of goods.—Motor Fuels.

Claims use since Apr. 18, 1923.

Ser. No. 180,408. (CLASS 15. OILS AND GREASES.) FREDERICK J. ABBOTT, doing business as Crystal Petroleum Products Corporation, Los Angeles, Calif. Filed May 10, 1923.

ZIP-O-LINE

Particular description of goods.—Motor Fuels.
Claims use since Apr. 18, 1923.

Ser. No. 180,430. (CLASS 22. GAMES, TOYS, AND SPORTING GOODS.) HILLERICH & BRADSBY CO., INC., Louisville, Ky. Filed May 10, 1923.

Edd J. Roush

The mark is a facsimile of the signature of Edd J. Roush.
Particular description of goods.—Baseball Bats.
Claims use since Nov. 11, 1920.

Ser. No. 180,477. (CLASS 33. FILTERS AND REFRIGERATORS.) I. C. REFRIGERATION CO., New York, N. Y. Filed May 11, 1923.

I. C.

Particular description of goods.—Refrigeration Cabinets.
Claims use since Jan. 22, 1923.

Ser. No. 180,590. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) CORTICELLI SILK COMPANY, Florence, Northampton, Mass. Filed May 14, 1923.

CREPE DENIA

The word "Crepe" is hereby disclaimed apart from the mark shown on the drawing.
Particular description of goods.—Silk Fabrics.
Claims use since about Oct. 4, 1922.

Ser. No. 180,781. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) THE BANNER SILK KNITTING MILLS, INC., New York, N. Y. Filed May 18, 1923.

ALATEX

Particular description of goods.—Knitted Silk Fabrics—viz, Silk Knitted Cloth in the Piece.
Claims use since about May 1, 1923.

Ser. No. 180,783. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) THE BANNER SILK KNITTING MILLS, INC., New York, N. Y. Filed May 18, 1923.

Siltex

Particular description of goods.—Knitted Silk Fabrics—viz, Silk Knitted Cloth in the Piece.
Claims use since about June 1, 1922.

Ser. No. 180,784. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) THE BANNER SILK KNITTING MILLS, INC., New York, N. Y. Filed May 18, 1923.

TEN-TEN

Particular description of goods.—Knitted Silk Fabrics—viz, Silk Knitted Cloth in the Piece.
Claims use since about June 1, 1922.

Ser. No. 180,793. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) J. EINSTEIN, INC., New York, N. Y. Filed May 18, 1923.

TEXELECT

Particular description of goods.—Cotton, Duck, and Canvas Piece Goods.
Claims use since Dec. 26, 1922.

Ser. No. 180,859. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) GOLDING FABRICS CORPORATION, New York, N. Y. Filed May 19, 1923.

PICADOR

Trade-mark consists of the word "Picador."
Particular description of goods.—Fabrics Made of Silk.
Claims use since Apr. 1, 1923.

Ser. No. 180,882. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) NEUSS, HESSLEIN & CO., INC., New York, N. Y. Filed May 19, 1923.



Particular description of goods.—Printed Cotton Piece Goods, Bleached and Gray Cotton Piece Goods, and Dyed-in-the-Yarn Cotton Piece Goods.
Claims use since Apr. 15, 1923.

Ser. No. 180,963. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) COHN HALL MARX CO., New York, N. Y. Filed May 22, 1923.

FABRIC
IMPORTED

No claim made to the exclusive use of the words "Fabric Imported" apart from the mark as shown in the drawing.
Particular description of goods.—Cotton Piece Goods.
Claims use since May 9, 1923.

Ser. No. 180,969. (CLASS 42. KNITTED NETTED, AND TEXTILE FABRICS.) THE FARNSWORTH MILLS INC., Central Village, Conn. Filed May 22, 1923.

Royella

Trade-mark consists of the word "Royella."
Particular description of goods.—Woolen Piece Goods.
Claims use since Apr. 12, 1923.

Ser. No. 180,971. (CLASS 37. PAPER AND STATIONERY.) FORT HOWARD PAPER COMPANY, Green Bay, Wis. Filed May 22, 1923.

MARIGOLD

Particular description of goods.—Toilet Paper, Paper Napkins, Paper Towels, and Paper Tablecloths.
Claims use since Apr. 25, 1923

Ser. No. 180,972. (CLASS 37. PAPER AND STATIONERY.) FORT HOWARD PAPER COMPANY, Green Bay, Wis. Filed May 22, 1923.

SEA KING

Particular description of goods.—Toilet Paper, Paper Napkins, Paper Towels, and Paper Tablecloths.
Claims use since Apr. 25, 1923.

Ser. No. 180,975. (CLASS 37. PAPER AND STATIONERY.) FOX RIVER PAPER COMPANY, Appleton, Wis. Filed May 22, 1923.

STOCK EXCHANGE

Particular description of goods.—Writing Paper.
Claims use since May 10, 1923.

Ser. No. 181,032. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) MILLDALE TEXTILE CORPORATION, New York, N. Y. Filed May 23, 1923.

TOMMY TUCKER



Particular description of goods.—Cotton Piece Goods.
Claims use since about Mar. 15, 1923.

Ser. No. 181,033. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) JACOB MILLER'S SONS CO., Philadelphia, Pa. Filed May 23, 1923.

DECORSHEEN

Particular description of goods.—Cotton Goods, Silk Goods, Linen Goods, and Mixtures of Cotton and Silk and Linen and Silk, All in the Piece.
Claims use since Apr. 20, 1923.

Ser. No. 181,034. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) JACOB MILLER'S SONS CO., Philadelphia, Pa. Filed May 23, 1923.

DUROCHINE

Particular description of goods.—Cotton Goods, Silk Goods, Linen Goods, and Mixtures of Cotton and Silk and Linen and Silk, All in the Piece.
Claims use since Oct. 7, 1922.

Ser. No. 181,036. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) JACOB MILLER'S SONS CO., Philadelphia, Pa. Filed May 23, 1923.

OROSHEEN

Particular description of goods.—Cotton Goods, Silk Goods, Linen Goods, and Mixtures of Cotton and Silk and Linen and Silk, All in the Piece.
Claims use since Apr. 20, 1923.

Ser. No. 181,037. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) JACOB MILLER'S SONS CO., Philadelphia, Pa. Filed May 23, 1923.

PIQUETEX

Particular description of goods.—Cotton Goods, Silk Goods, Linen Goods, and Mixtures of Cotton and Silk and Linen and Silk, All in the Piece.
Claims use since Apr. 20, 1923.

Ser. No. 181,048. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) TAYLOR, CLAPP & BEALL, New York, N. Y. Filed May 23, 1923.

ORGULLO
DE
ARGENTINA

Trade-mark consists of the words "Orgullo De Argentina."
Particular description of goods.—Cotton Piece Goods.
Claims use since November, 1922.

Ser. No. 181,050. (CLASS 22. GAMES, TOYS, AND SPORTING GOODS.) ALDERMAN, FAIRCHILD COMPANY, Rochester, N. Y. Filed May 24, 1923.



Particular description of goods.—Game Known as "Tutoom," a Table Game Played with Pieces and Marked Cubes or Rotary Counter.
Claims use since May 2, 1923.

Ser. No. 181,061. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) CHENEY BROTHERS, South Manchester, Conn. Filed May 24, 1923.

Tremblant

Particular description of goods.—Woven, Knitted, Netted, Textile, and Pile Fabrics in the Piece Comprised in Whole or in Part of Silk.
Claims use since Apr. 28, 1923.

Ser. No. 181,103. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) AMORY, BROWNE & CO., Boston, Mass. Filed May 25, 1923.

SANDMAN

Particular description of goods.—Textile Cotton Fabrics—Namely, Cotton Piece Goods.
Claims use since May 1, 1923.

Ser. No. 181,178. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) EMPIRE SILK COMPANY, Wilmington, Del., and New York, N. Y. Filed May 26, 1923.

Waffelweve

Particular description of goods.—Silk Piece Goods.
Claims use since May 15, 1923.

Ser. No. 181,181. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) GOLDING FABRICS CORPORATION, New York, N. Y. Filed May 26, 1923.

ARABELLA

Trade-mark consists of the word "Arabella."
Particular description of goods.—Fabrics Made of Silk.
Claims use since Apr. 16, 1923.

Ser. No. 181,183. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) GOLDING FABRICS CORPORATION, New York, N. Y. Filed May 26, 1923.

CHAVELETTE

Trade-mark consists of the word "Chavelette."
Particular description of goods.—Fabrics Made of Silk.
Claims use since Apr. 16, 1923.

Ser. No. 181,225. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) S. STROOCK & COMPANY, INC., New York, N. Y. Filed May 26, 1923.

HI-LOW

Particular description of goods.—Fabric in the Piece, Such Fabric Being Composed Entirely of Wool or Other Animal Fibers.
Claims use since May 15, 1923.

Ser. No. 181,255. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) DUPLAN SILK CORPORATION, New York, N. Y. Filed May 28, 1923.

ROY

Particular description of goods.—Silk Piece Goods.
Claims use since Mar. 25, 1923.

Ser. No. 181,256. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) DUPLAN SILK CORPORATION, New York, N. Y. Filed May 28, 1923.

MAHARANI

Particular description of goods.—Silk Piece Goods.
Claims use since Mar. 25, 1923.

Ser. No. 181,257. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) DUPLAN SILK CORPORATION, New York, N. Y. Filed May 28, 1923.

MARAKECH

Particular description of goods.—Silk Piece Goods.
Claims use since Mar. 25, 1922.

Ser. No. 181,258. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) DUPLAN SILK CORPORATION, New York, N. Y. Filed May 28, 1923.

MAMELUCK

Particular description of goods.—Silk Piece Goods.
Claims use since Mar. 25, 1923.

Ser. No. 181,259. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) DUPLAN SILK CORPORATION, New York, N. Y. Filed May 28, 1923.

FEDOR

Particular description of goods.—Silk Piece Goods.
Claims use since Mar. 25, 1923.

Ser. No. 181,260. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) DUPLAN SILK CORPORATION, New York, N. Y. Filed May 28, 1923.

FAKIR

Particular description of goods.—Silk Piece Goods.
Claims use since Mar. 25, 1923.

Ser. No. 181,270. (CLASS 44. DENTAL, MEDICAL, AND SURGICAL APPLIANCES.) MARSHALL FIELD & COMPANY, Chicago, Ill. Filed May 28, 1923.

TUDOR

Particular description of goods.—Nail Files, Toilet Tweezers, Nail Nippers, and Cuticle Nippers.
Claims use since July 1, 1922.

Ser. No. 181,279. (CLASS 44. DENTAL, MEDICAL, AND SURGICAL APPLIANCES.) INDEPENDENT DRUG COMPANY, Jacksonville, Fla. Filed May 28, 1923.

IDECO

Particular description of goods.—Water Bottles, Fountain Syringes, Screw-Capped Ice Bags, and Combination Water Bottle and Fountain Syringe.
Claims use since February, 1920.

Ser. No. 181,431. (CLASS 39. CLOTHING.) THE MAJESTIC CLOTHING COMPANY, New York, N. Y. Filed May 28, 1923.

Majestic Brand
CLOTHES

No claim being made to the exclusive right to the use of the words "Brand" or "Clothes."
Particular description of goods.—Men's, Young Men's, and Boys' Outer Suits, Topcoats, and Overcoats, Pants, and Knee Pants.
Claims use since 1920.

Ser. No. 181,867. (CLASS 35. BELTING, HOSE, MACHINERY PACKING, AND NONMETALLIC TIRES.) THE REPUBLIC RUBBER COMPANY, Youngstown, Ohio. Filed June 11, 1923.

STAG

Particular description of goods.—Solid, Semisolid, and Pneumatic Elastic Tires and Inner Tubes.
Claims use since Nov. 3, 1921.

TRADE-MARK REGISTRATIONS GRANTED

[ACT OF FEBRUARY 20, 1905.]

JULY 17, 1923.

170,362. SHAMPOO. HYGIENIC LABORATORIES, Chicago, Ill.
Filed December 28, 1922. Serial No. 173,931. PUBLISHED APRIL 10, 1923.

170,363. HAIR TONICS. HYGIENIC LABORATORIES, Chicago, Ill.
Filed December 28, 1922. Serial No. 173,932. PUBLISHED APRIL 10, 1923.

170,364. PREPARATION FOR INFLUENZA. Mrs. L. A. BLACKBURN, Fort Worth, Tex.
Filed December 29, 1922. Serial No. 173,952. PUBLISHED APRIL 10, 1923.

170,365. BOYS' AND MEN'S CAPS. SAMUEL M. BLUMENFIELD, New York, N. Y.
Filed December 29, 1922. Serial No. 173,953. PUBLISHED APRIL 3, 1923.

170,366. VACUUM TUBES. ELECTRAD CORPORATION OF AMERICA, New York, N. Y.
Filed December 29, 1922. Serial No. 173,960. PUBLISHED APRIL 3, 1923.

170,367. SMOKING TOBACCO. CHARLES B. PERKINS Co., Boston, Mass.
Filed December 29, 1922. Serial No. 173,980. PUBLISHED APRIL 10, 1923.

170,368. SUPPOSITORIES. THE DRUG PRODUCTS Co. INC., Long Island City, N. Y.
Filed December 30, 1922. Serial No. 173,999. PUBLISHED APRIL 10, 1923.

170,369. SOFT DRINK. HURTY-PECK & Co., Indianapolis, Ind.
Filed December 30, 1922. Serial No. 174,011. PUBLISHED APRIL 10, 1923.

170,370. TOY WAGONS. ADDIS O. CANNON, doing business as Cannon Toy Factory, Kent, Ohio.
Filed January 1, 1923. Serial No. 174,053. PUBLISHED APRIL 10, 1923.

170,371. PLAYING CARDS. AKIN & AKIN, Fort Worth, Tex.
Filed January 2, 1923. Serial No. 174,056. PUBLISHED APRIL 10, 1923.

170,372. COMPOUND FOR COLORING ELECTRIC BULBS. MCKAY COMPANY, New York, N. Y.
Filed January 2, 1923. Serial No. 174,090. PUBLISHED APRIL 10, 1923.

170,373. PAGE IN A PUBLICATION—I. E., A PAGE IN A HOUSE ORGAN ISSUED FROM TIME TO TIME. TOLEDO SCALE COMPANY, Jersey City, N. J., and Toledo, Ohio.
Filed January 2, 1923. Serial No. 174,115. PUBLISHED APRIL 17, 1923.

170,374. SOFT DRINK. COMBIER & CIE., Saumur, France.
Filed January 4, 1923. Serial No. 174,166. PUBLISHED APRIL 10, 1923.

170,375. A GAME. PARKER BROTHERS, Portland, Me., and Salem, Mass.
Filed January 8, 1923. Serial No. 174,330. PUBLISHED APRIL 10, 1923.

170,376. SOFT DRINK. SAND SPRINGS BOTTLING Co., Tulsa, Okla.
Filed January 8, 1923. Serial No. 174,339. PUBLISHED APRIL 10, 1923.

170,377. TOY DOLLS. CORA EWALD, Brooklyn, N. Y.
Filed January 10, 1923. Serial No. 174,386. PUBLISHED APRIL 10, 1923.

170,378. DENTAL CROWNS COMPOSED OF ARTIFICIAL ENAMEL AND METAL. CENTRAL DENTAL LABORATORY CO. INCORPORATED, New York, N. Y.
Filed January 9, 1923. Serial No. 174,356. PUBLISHED APRIL 10, 1923.

170,379. SEWING THIMBLES. GOLDSMITH, STERN & Co., New York, N. Y.
Filed January 10, 1923. Serial No. 174,387. PUBLISHED MARCH 13, 1923.

170,380. RADIO EQUIPMENT, SPECIFICALLY CONDENSERS, GRID LEAKS, AND CONDENSER MOUNTINGS. ROBERT E. GOLL, doing business as European Radio Company, Brooklyn, N. Y.
Filed January 10, 1923. Serial No. 174,388. PUBLISHED APRIL 3, 1923.

170,381. MEN'S FELT, STRAW, CLOTH, AND SILK HATS AND CAPS. HANOVER-HALL COMPANY, New York, N. Y.
Filed January 10, 1923. Serial No. 174,389. PUBLISHED APRIL 3, 1923.

170,382. CANDIES. KING CANDY Co., Fort Worth, Tex.
Filed November 16, 1922. Serial No. 172,113. PUBLISHED APRIL 10, 1923.

170,383. COFFEE. SEHON, STEVENSON & COMPANY, Huntington, W. Va.
Filed November 4, 1922. Serial No. 171,595. PUBLISHED APRIL 10, 1923.

170,384. CANNED FRUITS AND CANNED BERRIES. THE PRODUCERS CANNING & PACKING Co., Salem, Oreg.
Filed November 3, 1922. Serial No. 171,550. PUBLISHED APRIL 10, 1923.

170,385. MASSAGE FOR THE FACE AND BODY. LOUIS PHILIPPE, New York, N. Y.
Filed October 10, 1922. Serial No. 170,542. PUBLISHED APRIL 10, 1923.

170,386. CORSETS AND BRASSIÈRES. CAMLIN CORSET Co. INC., New York, N. Y.
Filed October 12, 1922. Serial No. 170,620. PUBLISHED APRIL 10, 1923.

170,387. SHOES MADE OF LEATHER. LEDERER & LATZ, doing business as The Barriemore Shop, New York, N. Y.
Filed October 12, 1922. Serial No. 170,655. PUBLISHED APRIL 3, 1923.

170,388. GRASS AND FIELD SEED. EGYPTIAN SEED GROWERS EXCHANGE, Flora, Ill.
Filed October 16, 1922. Serial No. 170,759. PUBLISHED APRIL 10, 1923.

170,389. HAT FRAMES. CAPITOL HAT FRAME WORKS, Des Moines, Iowa.
Filed October 17, 1922. Serial No. 170,807. PUBLISHED APRIL 3, 1923.

170,390. ULTRAMARINE BLUE. THE STANDARD ULTRAMARINE Co., Huntington, W. Va.
Filed October 18, 1922. Serial No. 170,905. PUBLISHED APRIL 10, 1923.

170,391. PROTECTIVE COVERING FOR ELECTRICAL WIRES. TUBULAR WOVEN FABRIC COMPANY, Pawtucket, R. I.
Filed October 18, 1922. Serial No. 170,913. PUBLISHED APRIL 3, 1923.

170,392. HATS AND CAPS. DISNEY HATS, New York, York, N. Y.
Filed October 26, 1922. Serial No. 171,209. PUBLISHED APRIL 3, 1923.

170,393. COUGH LOZENGES. ERNEST KEHR, Richmond Hill, New York, N. Y.
Filed October 28, 1922. Serial No. 171,326. PUBLISHED APRIL 10, 1923.

170,394. CERTAIN NAMED TOILET PREPARATIONS AND SALVE. THE MME. BERTHA M. HICKS MANUFACTURING Co., Indianapolis, Ind.
Filed October 30, 1922. Serial No. 171,365. PUBLISHED APRIL 3, 1923.

170,395. GLASS TEAPOTS. CORNING GLASS WORKS, Corning, N. Y.
Filed October 31, 1922. Serial No. 171,413. PUBLISHED APRIL 10, 1923.

170,396. LEATHER SHOES, FABRIC SHOES, AND SHOES MADE OF LEATHER OR FABRIC. CURTIS & JONES COMPANY, Reading, Pa.
Filed October 31, 1922. Serial No. 171,414. PUBLISHED APRIL 10, 1923.

170,397. BABY CARRIAGES AND GOCARTS. HEYWOOD-WAKEFIELD COMPANY, Gardner, Mass.
Filed November 1, 1922. Serial No. 171,458. PUBLISHED APRIL 10, 1923.

170,398. PREPARATION FOR THE TREATMENT OF PNEUMONIA. EMMA A. MORGAN, doing business as R. B. B. Company, North Charlotte, N. C.
Filed November 2, 1922. Serial No. 171,507. PUBLISHED APRIL 10, 1923.

170,399. SHOES, INSOLES, AND OUTER SOLES MADE OF LEATHER, FABRIC, RUBBER, AND COMBINATIONS OF SAME. ALLEN-SPIEGEL SHOE MFG. Co., Belgium, Wis.
Filed November 3, 1922. Serial No. 171,519. PUBLISHED APRIL 10, 1923.

170,400. OIL FOR SALADS AND COOKING. THE AMERICAN COTTON OIL COMPANY, Union Township, near Guttenberg, N. J., and New York, N. Y.
Filed November 3, 1922. Serial No. 171,520. PUBLISHED APRIL 10, 1923.

170,401. CANNED FRUITS AND VEGETABLES. FILICE & PERRELLI CANNING Co., Gilroy, Calif.
Filed November 3, 1922. Serial No. 171,534. PUBLISHED APRIL 10, 1923.

170,402. MEDICINAL COMPOUND TO BE DISPENSED IN TABLET FORM FOR PROMOTING CALCIFICATION. J. HENRY HOLM, doing business as Calcorganic Laborstories, Chicago, Ill.
Filed November 3, 1922. Serial No. 171,539. PUBLISHED APRIL 10, 1923.

170,403. LEATHER GLOVES, GAUNTLETS, AND MITTENS. THE JOSEPH N. EISENDRATH COMPANY, Chicago, Ill.
Filed December 18, 1922. Serial No. 173,475. PUBLISHED APRIL 10, 1923.

170,404. LEATHER GLOVES, GAUNTLETS, AND MITTENS. THE JOSEPH N. EISENDRATH COMPANY, Chicago, Ill.
Filed December 18, 1922. Serial No. 173,473. PUBLISHED APRIL 10, 1923.

170,405. LEATHER GLOVES, GAUNTLETS, AND MITTENS. THE JOSEPH N. EISENDRATH COMPANY, Chicago, Ill.
Filed December 18, 1922. Serial No. 173,472. PUBLISHED APRIL 10, 1923.

170,406. LEATHER GLOVES, GAUNTLETS, AND MITTENS. THE JOSEPH N. EISENDRATH COMPANY, Chicago, Ill.
Filed December 18, 1922. Serial No. 173,470. PUBLISHED APRIL 10, 1923.

170,407. LEATHER GLOVES, GAUNTLETS, AND MITTENS. THE JOSEPH N. EISENDRATH COMPANY, Chicago, Ill.
Filed December 18, 1922. Serial No. 173,467. PUBLISHED APRIL 10, 1923.

170,408. LEATHER GLOVES, GAUNTLETS, AND MITTENS. THE JOSEPH N. EISENDRATH COMPANY, Chicago, Ill.
Filed December 18, 1922. Serial No. 173,468. PUBLISHED APRIL 10, 1923.

170,409. LEATHER GLOVES, GAUNTLETS, AND MITTENS. THE JOSEPH N. EISENDRATH COMPANY, Chicago, Ill.
Filed December 18, 1922. Serial No. 173,466. PUBLISHED APRIL 10, 1923.

170,410. SHOES MADE WHOLLY OR IN PART OF LEATHER. T. D. BARRY COMPANY, Brockton, Mass.
Filed December 18, 1922. Serial No. 173,460. PUBLISHED APRIL 3, 1923.

170,411. SHOES MADE OF LEATHER AND FABRIC AND A COMBINATION OF SAID MATERIALS. LEWIS L. KANN, doing business as Kann Manufacturing Co., New York, N. Y.
Filed December 16, 1922. Serial No. 173,426. PUBLISHED APRIL 3, 1923.

170,412. SHAMPOO. CONCENTRATED PRODUCTS CORPORATION, Carlstadt, N. J., and New York, N. Y.
Filed December 14, 1922. Serial No. 173,323. PUBLISHED APRIL 10, 1923.

170,413. DYES AND DYESTUFFS. H. A. METZ & Co., INC., New York, N. Y.
Filed December 12, 1922. Serial No. 173,238. PUBLISHED APRIL 10, 1923.

170,414. A CERTAIN NAMED MEDICINAL PREPARATION. WOLTER V. PATEYCHUK, doing business as W. V. Patty, Altoona, Pa.
Filed December 11, 1922. Serial No. 173,206. PUBLISHED APRIL 10, 1923.

170,415. MEDICINAL PREPARATIONS FOR THE TREATMENT OF GLANDULAR DEFICIENCY. G. W. CARNRICK Co., New York, N. Y.
Filed December 9, 1922. Serial No. 173,127. PUBLISHED APRIL 10, 1923.

170,416. METALLIC SOLDERING ALLOYS. SIEGFRIED PFEIFFER, Zurich, Switzerland.
Filed December 7, 1922. Serial No. 173,053. PUBLISHED APRIL 17, 1923.

170,417. SALVE TO BE APPLIED EXTERNALLY FOR BURNS, WOUNDS, STRAINS, SPRAINS, AND ACHES. A. J. KRANK MFG. Co., St. Paul, Minn.
Filed December 7, 1922. Serial No. 173,050. PUBLISHED APRIL 10, 1923.

170,418. NASAL SOLUTION, A LOUCHE THEREFOR, AND A PACKAGE CONTAINING BOTH. ROSEBRAND Co., Atlantic City, N. J.
Filed December 6, 1922. Serial No. 173,008. PUBLISHED APRIL 10, 1923.

170,419. BOARD GAME PLAYED WITH MOVABLE PIECES. PARKER BROTHERS, Portland, Me., and Salem, Mass.
Filed December 5, 1922. Serial No. 172,955. PUBLISHED APRIL 10, 1923.

170,420. PROCESSED CEREAL BINDER AND A PASTE FOR FORMING CORE COMPOUNDS USED IN THE CASTING OF METALS. DANIEL T. MCGRORY, doing business as Ceres Core Binder Company, Chicago, Ill.
Filed December 5, 1922. Serial No. 172,952. PUBLISHED APRIL 10, 1923.

170,421. APPAREL BELTS. HARRIS SUSPENDER COMPANY, New York, N. Y.
Filed December 5, 1922. Serial No. 172,944. PUBLISHED APRIL 3, 1923.

170,422. BLUING COMPOUND AND LIQUID BLUING. KING H. WALL, Goldsboro, N. C.
Filed November 29, 1922. Serial No. 172,697. PUBLISHED APRIL 10, 1923.

170,423. CANNED FRUITS. VIRDEN PACKING COMPANY, San Francisco, Calif.
Filed November 15, 1922. Serial No. 172,068. PUBLISHED APRIL 10, 1923.

170,424. COMPOUND FOR THE DESULPHURIZATION AND DEOXIDATION OF MOLTEN METALS. WILLIAM A. ROSENBERGER, doing business as William A. Rosenberger Chemical Products Company, New York, N. Y.
Filed November 15, 1922. Serial No. 172,059. PUBLISHED APRIL 10, 1923.

170,425. VERMIFUGE. WELCH & MARKER, Ionia, Mich.
Filed November 14, 1922. Serial No. 172,022. PUBLISHED APRIL 10, 1923.

170,426. EMULSION OF PETROLEUM COMBINED WITH HYPOPHOSPHITES. ROBERT E. O'REAR, doing business as John D. Bear Company, Clearbrook, Va.
Filed November 15, 1922. Serial No. 172,051. PUBLISHED APRIL 10, 1923.

170,427. PROPHYLACTICS. RETAILERS' MANUFACTURING CORPORATION, Wilmington, Del.; Chicago, Ill.; and Tulsa, Okla.
Filed November 14, 1922. Serial No. 172,014. PUBLISHED APRIL 10, 1923.

170,428. DRESS AND SPORT SHOES. WHITEHOUSE & HARDY, INC., New York, N. Y.
Filed November 13, 1922. Serial No. 171,972. PUBLISHED APRIL 10, 1923.

170,429. ELECTROLYTE COMPOUND FOR STORAGE BATTERIES. CHARLES E. LUBURG, doing business as "J-E" Storage Battery Company, Philadelphia, Pa.
Filed November 13, 1922. Serial No. 171,933. PUBLISHED APRIL 10, 1923.

170,430. CANDY. AMBROSIA CHOCOLATE CO., Milwaukee, Wis.
Filed November 13, 1922. Serial No. 171,887. PUBLISHED APRIL 10, 1923.

170,431. A CERTAIN NAMED MEDICINAL PREPARATION. AMERICAN CHEMICAL & DRUG CO., Olyphant, Pa.
Filed November 13, 1922. Serial No. 171,889. PUBLISHED APRIL 10, 1923.

170,432. MISSES' AND LADIES' HATS. C-R MILLINERY CO., Chicago, Ill.
Filed November 13, 1922. Serial No. 171,905. PUBLISHED APRIL 10, 1923.

170,433. CANNED FRUITS AND VEGETABLES. FRED B. NEUHOFF, doing business as Fred B. Neuhoff Company, Los Angeles, Calif.
Filed November 11, 1922. Serial No. 171,860. PUBLISHED APRIL 10, 1923.

170,434. LAXATIVE CHEWING GUM. HEALTH PRODUCTS CORPORATION, New York, N. Y.
Filed November 8, 1922. Serial No. 171,732. PUBLISHED APRIL 10, 1923.

170,435. SHOES OF COMBINATION OF LEATHER AND RUBBER AND OF RUBBER AND FABRIC. MELVILLE SHOE CORPORATION, New York, N. Y.
Filed November 7, 1922. Serial No. 171,704. PUBLISHED APRIL 10, 1923.

170,436. LEATHER—VIZ. BENDS, BLOCKS, STRIPS, AND OFFAL. WILLIAM GRAHAM, New York, N. Y.
Filed November 7, 1922. Serial No. 171,693. PUBLISHED APRIL 10, 1923.

170,437. TILLERS COMPRISING A PLOW AND SOIL DISINTEGRATOR. SCIENTIFIC FARMING MACHINERY COMPANY, Minneapolis, Minn.
Filed November 6, 1922. Serial No. 171,660. PUBLISHED MARCH 13, 1923.

170,438. MEN'S LEATHER GLOVES. JOHN WANAMAKER, NEW YORK, New York, N. Y.
Filed November 4, 1922. Serial No. 171,602. PUBLISHED APRIL 10, 1923.

170,439. MEN'S LEATHER GLOVES. JOHN WANAMAKER, NEW YORK, New York, N. Y.
Filed November 4, 1922. Serial No. 171,601. PUBLISHED APRIL 10, 1923.

170,440. POWDER USED AS WATER SOFTENER. DAKOTA COMPOUND COMPANY, Pierre, S. Dak.
Filed November 16, 1922. Serial No. 172,084. PUBLISHED APRIL 10, 1923.

170,441. BONELESS SALT CODFISH. DEEP SEA FISHERIES, INC., Rockland, Me.
Filed November 16, 1922. Serial No. 172,085. PUBLISHED APRIL 10, 1923.

170,442. CANNED CHERRIES. HOOD RIVER CANNING CO., Hood River, Oreg.
Filed November 16, 1922. Serial No. 172,093. PUBLISHED APRIL 10, 1923.

170,443. CANDIES. PACIFIC COAST BISCUIT COMPANY, Seattle, Wash.
Filed November 16, 1922. Serial No. 172,119. PUBLISHED APRIL 10, 1923.

170,444. MINCEMEAT. THOMAS F. B. SOTHAM, St. Clair, Mich.
Filed November 16, 1922. Serial No. 172,126. PUBLISHED APRIL 10, 1923.

170,445. HYDROCARBON BLACK USED AS A BASE IN THE MANUFACTURE OF PAINTS, VARNISH, AND SIMILAR COLORING MATTER. THE UNITED OIL & NATURAL GAS PRODUCTS CORPORATION, Monroe, La.
Filed November 16, 1922. Serial No. 172,133. PUBLISHED APRIL 10, 1923.

170,446. SALAD VEGETABLE OIL. RELIABLE IMPORTING COMPANY, INC., New York, N. Y.
Filed November 17, 1922. Serial No. 172,174. PUBLISHED APRIL 10, 1923.

170,447. CANNED FRUITS, CANNED VEGETABLES, CANNED FISH. MAILLIARD & SCHMIEDELL, San Francisco, Calif.
Filed November 18, 1922. Serial No. 172,232. PUBLISHED APRIL 10, 1923.

170,448. CANDY. THE BRECHT CANDY COMPANY, Denver, Colo.
Filed November 18, 1922. Serial No. 172,199. PUBLISHED APRIL 10, 1923.

170,449. MAYONNAISE. ATMORE AND SON, INC., Philadelphia, Pa.
Filed November 18, 1922. Serial No. 172,196. PUBLISHED APRIL 10, 1923.

170,450. NATURAL AND SYNTHETIC ESSENTIAL OILS AND MATERIALS SUITABLE FOR THE PRODUCTION OF PERFUMES. POLAK'S FRUTAL WORKS, Amersfoort, Netherlands.
Filed November 18, 1922. Serial No. 172,240. PUBLISHED APRIL 10, 1923.

170,451. CERTAIN NAMED GLASSWARE. JEANNETTE GLASS COMPANY, Jeannette, Pa.
Filed November 20, 1922. Serial No. 172,277. PUBLISHED APRIL 3, 1923.

170,452. WOMAN'S TONIC IN THE TREATMENT OF THE WEAKNESSES AND DISORDERS OF THE FEMALE GENERATIVE ORGANS. MODERN PHARMACAL CO., INC., New York, N. Y.
Filed November 20, 1922. Serial No. 172,282. PUBLISHED APRIL 10, 1923.

170,453. BLOOD MAKER AND GENERAL TONIC. MODERN PHARMACAL CO., INC., New York, N. Y.
Filed November 20, 1922. Serial No. 172,283. PUBLISHED APRIL 10, 1923.

170,454. COMPOUND FOR OPENING CLOGGED PIPES, TRAPS, DRAINS, AND THE LIKE. WHITE HOUSE PRODUCTS CO., Chicago, Ill.
Filed November 20, 1922. Serial No. 172,305. PUBLISHED APRIL 10, 1923.

170,455. CERTAIN NAMED JEWELRY. WILLIAM C. GREENE COMPANY, Providence, R. I.
Filed November 21, 1922. Serial No. 172,331. PUBLISHED APRIL 3, 1923.

170,456. CERTAIN NAMED PIECE GOODS. RICHARDSON DRY GOODS CO., St. Joseph, Mo.
Filed November 21, 1922. Serial No. 172,351. PUBLISHED APRIL 10, 1923.

170,457. CIGARS. SWINT, DAVIS & DAVIS, Atlanta, Ga.
Filed November 21, 1922. Serial No. 172,362. PUBLISHED APRIL 10, 1923.

170,458. STRINGS FOR VIOLINS AND SIMILAR MUSICAL INSTRUMENTS. SIMSON & FREY, INC., New York, N. Y.
Filed November 25, 1922. Serial No. 172,561. PUBLISHED APRIL 3, 1923.

170,459. CLAY FOR FACIAL TREATMENT. ALADDIN MYSTIC BEAUTY COMPANY, Grand Rapids, Mich.
Filed November 27, 1922. Serial No. 172,572. PUBLISHED APRIL 10, 1923.

170,460. LUBRICATING OILS, GREASES, AND COMPOUNDS AND OTHER DISTILLATES OF PETROLEUM. INDIAN REFINING COMPANY INC., New York, N. Y.
Filed November 27, 1922. Serial No. 172,596. PUBLISHED APRIL 10, 1923.

170,461. GASOLINE. STANDARD OIL COMPANY, Whiting, Ind., and Chicago, Ill.
Filed November 29, 1922. Serial No. 172,691. PUBLISHED APRIL 3, 1923.

170,462. TOILET PREPARATION FOR THE REMOVAL OF SUPERFLUOUS HAIR. THE LOWELL COMPANY, New York, N. Y.
Filed December 31, 1921. Serial No. 157,375. PUBLISHED APRIL 10, 1923.

170,463. TOILET PREPARATION TO DARKEN AND GROW EYELASHES. THE LOWELL COMPANY, New York, N. Y.
Filed December 31, 1921. Serial No. 157,376. PUBLISHED APRIL 10, 1923.

170,464. PORTABLE METALLIC HOLDERS FOR BEVERAGE CONTAINERS, SUCH AS TUMBLERS AND BOTTLES. ROBERT G. MITCHELL, doing business as The Agripa Company, New York, N. Y.
Filed April 4, 1922. Serial No. 161,733. PUBLISHED APRIL 17, 1923.

170,465. BASE-METAL WIRE. PAGE STEEL & WIRE COMPANY, Adrian, Mich., and Bridgeport, Conn.
Filed April 20, 1922. Serial No. 162,646. PUBLISHED APRIL 17, 1923.

170,466. BREAD WRAPPERS. POTTER-WRIGHTINGTON, INC., Charlestown, Boston, Mass.
Filed May 20, 1922. Serial No. 164,187. PUBLISHED APRIL 10, 1923.

170,467. LEAD AND PAPER CRAYON PENCILS. UNITED STATES PENCIL CO., Philadelphia, Pa.
Filed June 30, 1922. Serial No. 166,334. PUBLISHED APRIL 10, 1923.

170,468. MACARONI AND OLIVE OIL. KURTZ BROTHERS, Philadelphia, Pa.
Filed July 17, 1922. Serial No. 167,002. PUBLISHED APRIL 17, 1923.

170,469. VACUUM TANK FLOATS. J. H. COHEN, doing business as The Connecticut Automotive Specialties Co. Inc., Bridgeport, Conn.
Filed August 5, 1922. Serial No. 167,840. PUBLISHED APRIL 17, 1923.

170,470. FLEXIBLE OR HINGED BELT FASTENERS. FLEXIBLE STEEL LACING COMPANY, Chicago, Ill.
Filed August 7, 1922. Serial No. 167,870. PUBLISHED APRIL 17, 1923.

170,471. POPPET VALVES. THE TOLEDO STEEL PRODUCTS CO., Toledo, Ohio.
Filed September 1, 1922. Serial No. 168,991. PUBLISHED APRIL 17, 1923.

170,472. PUMP OUTFITS FOR DISPENSING LUBRICANTS AND OTHER FLUIDS, PARTS THEREOF, AND FITTINGS THEREFOR. THE CLEVELAND STEEL BARREL COMPANY, Cleveland, Ohio.
Filed October 23, 1922. Serial No. 171,063. PUBLISHED APRIL 17, 1923.

170,473. COOLING CHEST. KEYNOTE MANUFACTURING CO. INC., Indianapolis, Ind.
Filed October 23, 1922. Serial No. 171,086. PUBLISHED APRIL 10, 1923.

170,474. HAMMERS, HATCHETS, SHOVELS, SCREW DRIVERS, AND CHISELS. BENJAMIN LURYE, doing business as B. Lurye & Co., Chicago, Ill.
Filed October 26, 1922. Serial No. 171,226. PUBLISHED APRIL 17, 1923.

170,475. DUTCH OVENS. THE GRISWOLD MANUFACTURING COMPANY, Erie, Pa.
Filed November 17, 1922. Serial No. 172,156. PUBLISHED APRIL 17, 1923.

170,476. CERTAIN NAMED TOOLS AND IMPLEMENTS. MARKT & HAMMACHER COMPANY, New York, N. Y.
Filed November 18, 1922. Serial No. 172,233. PUBLISHED APRIL 17, 1923.

170,477. NICKEL AND ALLOYS OF NICKEL IN INGOTS, SHEETS, AND WIRE. HENRY WIGGIN & COMPANY LIMITED, Parade, Birmingham, England.
Filed November 29, 1922. Serial No. 172,701. PUBLISHED APRIL 17, 1923.

170,478. UNWROUGHT AND PARTLY-WROUGHT METALS USED FOR ELECTRICAL PURPOSES. HENRY WIGGIN & COMPANY LIMITED, Parade, Birmingham, England.
Filed November 29, 1922. Serial No. 172,702. PUBLISHED APRIL 17, 1923.

170,479. NICKEL STEEL IN THE FORM OF PLATES, SHEETS, BARS, RODS, WIRE, AND THE LIKE. HENRY WIGGIN & COMPANY LIMITED, Parade, Birmingham, England.
Filed November 29, 1922. Serial No. 172,703. PUBLISHED APRIL 17, 1923.

170,480. NICKEL-CHROME ALLOY, UNWROUGHT OR PARTLY WROUGHT. HENRY WIGGIN & COMPANY LIMITED, Parade, Birmingham, England.
Filed November 29, 1922. Serial No. 172,704. PUBLISHED APRIL 17, 1923.

170,481. NICKEL-CHROME ALLOY, UNWROUGHT OR PARTLY WROUGHT. HENRY WIGGIN & COMPANY LIMITED, Parade, Birmingham, England.
Filed November 29, 1922. Serial No. 172,705. PUBLISHED APRIL 17, 1923.

170,482. PAPER RECEPTACLES. THE RAYMOND BAG COMPANY, Middletown, Ohio.
Filed November 29, 1922. Serial No. 172,687. PUBLISHED APRIL 17, 1923.

170,483. CANDY. THE GEORGE CLOSE CO., Cambridge, Mass.
Filed November 25, 1922. Serial No. 172,517. PUBLISHED APRIL 17, 1923.

170,484. COFFEE. GEORGE GUND, doing business as Hygienic Coffee Company, Cleveland, Ohio.
Filed November 25, 1922. Serial No. 172,529. PUBLISHED APRIL 17, 1923.

170,485. APPLICATORS FOR THE LIPS, MORE PARTICULARLY MECHANICAL DEVICES FOR APPLYING COSMETICS, PARTICULARLY ROUGE, TO THE LIPS. A. AND G. CO., St. Louis, Mo.
Filed November 23, 1922. Serial No. 172,409. PUBLISHED APRIL 17, 1923.

170,486. BOOTS AND SHOES MADE OF LEATHER. SAMUEL ALEXANDER, Philadelphia, Pa.
Filed November 23, 1922. Serial No. 172,410. PUBLISHED APRIL 17, 1923.

170,487. TIRES AND INNER TUBES OF RUBBER COMPOUND. LEO L. CHADWIN, doing business as Gem Tire & Rubber Company, Philadelphia, Pa.
Filed November 25, 1922. Serial No. 172,512. PUBLISHED APRIL 24, 1923.

170,488. CANDY. THE GEORGE CLOSE CO., Cambridge, Mass.
Filed November 25, 1922. Serial No. 172,516. PUBLISHED APRIL 17, 1923.

170,489. MOTOR TRUCKS AND AUTOMOBILES. GRAHAM BROTHERS, Evansville, Ind.
Filed November 20, 1922. Serial No. 172,272. PUBLISHED MAY 1, 1923.

170,490. BOTTLES, VIALS, PACKAGES, OR CASES CONTAINING TOILET ARTICLES. HARLEQUIN PARFUMERIE COMPAGNIE, New York, N. Y.
Filed October 25, 1922. Serial No. 171,167. PUBLISHED APRIL 17, 1923.

170,491. TAPIOCA. HAAS BARUCH & CO., Los Angeles, Calif.
Filed October 28, 1922. Serial No. 171,317. PUBLISHED APRIL 24, 1923.

170,492. TOY BALLS. RADIO BALL COMPANY, Lebanon, Pa.
Filed November 10, 1922. Serial No. 171,815. PUBLISHED FEBRUARY 6, 1923.

170,493. WIND SCREENS FOR USE WITH VEHICLES. EASTING WINDSCREENS LIMITED, Birmingham, England.
Filed November 14, 1922. Serial No. 171,987. PUBLISHED APRIL 24, 1923.

170,494. CERTAIN NAMED NOTIONS. SAMSTAG & HILDER BROS., New York, N. Y.
Filed November 15, 1922. Serial No. 172,060. PUBLISHED APRIL 24, 1923.

170,495. CHOCOLATES AND CANDIES. E. GREENFIELD'S SONS, New York and Brooklyn, N. Y.
Filed October 6, 1922. Serial No. 170,381. PUBLISHED APRIL 24, 1923.

170,496. SOAPS. KENDALL MFG. CO., Providence, R. I.
Filed October 9, 1922. Serial No. 170,487. PUBLISHED APRIL 24, 1923.

170,497. LIME. KIMBALTON LIME COMPANY, INC., Kimballton, Va.
Filed October 17, 1922. Serial No. 170,822. PUBLISHED APRIL 17, 1923.

170,498. GAS-GENERATING MEANS. SAMUEL PRICE WETHERILL, Jr., Philadelphia, Pa.
Filed October 17, 1922. Serial No. 170,848. PUBLISHED APRIL 17, 1923.

170,499. POLISHING COMPOSITIONS, IN THE FORM OF POWDER, PASTE, AND LIQUID, FOR METAL. E. REED BURNS MANUFACTURING CORP., Brooklyn, N. Y.
Filed October 21, 1922. Serial No. 171,009. PUBLISHED APRIL 24, 1923.

170,500. HAIR TONIC. ABRAHAM E. GLICKMAN, Brooklyn, N. Y.
Filed October 21, 1922. Serial No. 171,017. PUBLISHED APRIL 17, 1923.

170,501. BABY CARRIAGES. WESTFIELD MANUFACTURING COMPANY, Westfield, Mass.
Filed October 21, 1922. Serial No. 171,051. PUBLISHED APRIL 17, 1923.

170,502. SILK PIECE GOODS. H. R. MALLINSON & CO. INC., New York, N. Y.
Filed December 9, 1922. Serial No. 173,139. PUBLISHED APRIL 24, 1923.

170,503. PAPETERIES, WRITING AND TYPEWRITING TABLETS; WRITING PAPER IN REAMS, POUNDS, AND OTHER PACKAGES; AND MAILING ENVELOPES. WHITE & WYCKOFF MANUFACTURING COMPANY, Holyoke, Mass.
Filed December 8, 1922. Serial No. 173,122. PUBLISHED APRIL 17, 1923.

170,504. PAPETERIES, WRITING AND TYPEWRITING TABLETS; WRITING PAPER IN REAMS, POUNDS, AND OTHER PACKAGES; AND MAILING ENVELOPES. WHITE & WYCKOFF MANUFACTURING COMPANY, Holyoke, Mass.
Filed December 8, 1922. Serial No. 173,116. PUBLISHED APRIL 17, 1923.

170,505. PAPETERIES, WRITING AND TYPEWRITING TABLETS; WRITING PAPER IN REAMS, POUNDS, AND OTHER PACKAGES; AND MAILING ENVELOPES. WHITE & WYCKOFF MANUFACTURING COMPANY, Holyoke, Mass.
Filed December 8, 1922. Serial No. 173,120. PUBLISHED APRIL 17, 1923.

170,506. PAPETERIES, WRITING AND TYPEWRITING TABLETS; WRITING PAPER IN REAMS, POUNDS, AND OTHER PACKAGES; AND MAILING ENVELOPES. WHITE & WYCKOFF MANUFACTURING COMPANY, Holyoke, Mass.
Filed December 8, 1922. Serial No. 173,121. PUBLISHED APRIL 17, 1923.

170,507. MACARONI PRODUCTS, CANNED FRUITS, CANNED VEGETABLES, CANNED FISH, EVAPORATED MILK, CANNED SOUP, FRUIT MARMALADES, AND PICKLES. FONTANA FOOD PRODUCTS COMPANY, San Francisco, Calif.
Filed December 4, 1922. Serial No. 172,872. PUBLISHED APRIL 17, 1923.

170,508. DEHYDRATED APPLES. WASHINGTON DEHYDRATED FOOD CO., Yakima, Wash.
Filed December 4, 1922. Serial No. 172,919. PUBLISHED APRIL 17, 1923.

170,509. SPRAYERS FOR MEDICINAL USE. THE OSTRA CORPORATION, New York, N. Y.
Filed December 5, 1922. Serial No. 172,954. PUBLISHED APRIL 17, 1923.

170,510. PAINTS—NAMELY, DRY, PASTE, SEMI-PASTE, AND READY MIXED—AND VARNISHES. OLIVER REEDER & SON, INC., Proprietors of The Baltimore Copper Paint Company, Baltimore, Md.
Filed December 6, 1922. Serial No. 173,006. PUBLISHED APRIL 17, 1923.

170,511. CANDY. HALLIGAN CANDY COMPANY, Davenport, Iowa.
Filed December 7, 1922. Serial No. 173,043. PUBLISHED APRIL 17, 1923.

170,512. PAPETERIES, WRITING AND TYPEWRITING TABLETS; WRITING PAPER IN REAMS, POUNDS, AND OTHER PACKAGES; AND MAILING ENVELOPES. WHITE & WYCKOFF MANUFACTURING COMPANY, Holyoke, Mass.
Filed December 8, 1922. Serial No. 173,114. PUBLISHED APRIL 17, 1923.

170,513. COUGH MIXTURE FOR HUMAN USE. SQUIRE AND CO. BIRMINGHAM LIMITED, Stirchley, Birmingham, England.
Filed December 1, 1922. Serial No. 172,776. PUBLISHED APRIL 17, 1923.

170,514. DRY, PASTE, AND READY-MIXED PAINTS AND VARNISHES. ST. LOUIS SURFACER & PAINT COMPANY, St. Louis, Mo.
Filed December 1, 1922. Serial No. 172,777. PUBLISHED APRIL 17, 1923.

170,515. CANNED SALMON. ARTHUR A. ANDERSON, doing business as Arthur Anderson Fish Co., Astoria, Oreg.
Filed December 2, 1922. Serial No. 172,821. PUBLISHED APRIL 17, 1923.

170,516. FRESH CITROUS FRUITS. ARIZONA CITRUS GROWERS' CO., Phoenix, Ariz.
Filed December 4, 1922. Serial No. 172,857. PUBLISHED APRIL 17, 1923.

170,517. NICKEL AND MANGANESE ALLOY, UNWROUGHT OR PARTLY WROUGHT. HENRY WIGGIN & COMPANY LIMITED, Parade, Birmingham, England.
Filed November 29, 1922. Serial No. 172,707. PUBLISHED APRIL 17, 1923.

170,518. PICKLES. AMERICAN PICKLE & CANNING COMPANY, Hattiesburg, Miss.
Filed December 1, 1922. Serial No. 172,716. PUBLISHED APRIL 17, 1923.

170,519. WOOLEN FOOTBALL BLANKETS. JAMES W. BRINE COMPANY, Boston, Mass.
Filed December 1, 1922. Serial No. 172,728. PUBLISHED APRIL 17, 1923.

170,520. SALAD AND COOKING OIL MADE FROM CRUSHED PEANUTS. HORACE E. HAVENS, Chicago, Ill.
Filed December 1, 1922. Serial No. 172,738. PUBLISHED APRIL 17, 1923.

170,521. TEA. JOANNES BROS. CO., Green Bay, Wis.
Filed December 1, 1922. Serial No. 172,743. PUBLISHED APRIL 17, 1923.

170,522. WALL OR PLASTER BOARD. SAMUEL A. BLAIR, doing business as Blair Lumber Company, New York, N. Y.
Filed January 18, 1923. Serial No. 174,723. PUBLISHED APRIL 17, 1923.

170,523. BLOTTING PAPER. STANDARD PAPER MANUFACTURING CO., Richmond, Va.
Filed January 17, 1923. Serial No. 174,704. PUBLISHED APRIL 17, 1923.

170,524. CERTAIN NAMED SOAP COMPOUNDS. EUGENE A. SPRAGUE, doing business as Sprague Manufacturing Co., San Francisco, Calif.
Filed January 15, 1923. Serial No. 174,641. PUBLISHED APRIL 24, 1923.

170,525. BLOTTING PAPER. STANDARD PAPER MANUFACTURING CO., Richmond, Va.
Filed January 17, 1923. Serial No. 174,703. PUBLISHED APRIL 17, 1923.

170,526. SANITARY NAPKINS MADE FROM COTTON LINTERS PROCESSED WITH FILLING COVERED WITH KNITTED TUBING. ROGER WELTY NAYLOR, Chicago, Ill.
Filed January 15, 1923. Serial No. 174,629. PUBLISHED APRIL 24, 1923.

170,527. SILK PIECE GOODS. H. R. MALLINSON & CO. INC., New York, N. Y.
Filed December 30, 1922. Serial No. 174,020. PUBLISHED APRIL 17, 1923.

170,528. NURSERY PRODUCTS—NAMELY, TREES, SHRUBS, ROSES, VINES, PERENNIALS, AND BULBS. PFUND NURSERY CO., Oak Park, Ill.
Filed December 30, 1922. Serial No. 174,028. PUBLISHED APRIL 24, 1923.

170,529. FRESH DECIDUOUS FRUITS AND FRESH VEGETABLES. THOMAS S. SMITH, Chicago, Ill.
Filed December 30, 1922. Serial No. 174,038. PUBLISHED APRIL 24, 1923.

170,530. NEEDLES OR STYLI FOR SOUND-REPRODUCING MACHINES KNOWN AS PHONOGRAPHS. S. WILENSKY, London, England.
Filed January 5, 1923. Serial No. 174,225. PUBLISHED FEBRUARY 20, 1923.

170,531. LUBRICATING OILS. AMERICAN OIL CORPORATION, Jackson, Mich.
Filed January 8, 1923. Serial No. 174,277. PUBLISHED MARCH 27, 1923.

170,532. COMBINATION INDEX AND SALES-DATA BOOK PUBLISHED PERIODICALLY. A. G. McMILLAN, doing business as Sales Equipment Company, Detroit, Mich.
Filed January 8, 1923. Serial No. 174,318. PUBLISHED APRIL 24, 1923.

170,533. BUFFING ROUGE. A. P. MUNNING & CO., Matawan, N. J.
Filed January 8, 1923. Serial No. 174,321. PUBLISHED APRIL 24, 1923.

170,534. BUFFING ROUGE. A. P. MUNNING & CO., Matawan, N. J.
Filed January 8, 1923. Serial No. 174,322. PUBLISHED APRIL 24, 1923.

170,535. BUFFING ROUGE. A. P. MUNNING & CO., Matawan, N. J.
Filed January 8, 1923. Serial No. 174,323. PUBLISHED APRIL 24, 1923.

170,536. BUFFING ROUGE. A. P. MUNNING & CO., Matawan, N. J.
Filed January 8, 1923. Serial No. 174,324. PUBLISHED APRIL 24, 1923.

170,537. PAINTS (READY MIXED, PASTE FORM, AND DRY), PAINT ENAMELS, JAPANS, VARNISHES, STAINS, AND FILLERS. THE SHERWIN-WILLIAMS COMPANY, Cleveland, Ohio.
Filed January 10, 1923. Serial No. 174,413. PUBLISHED APRIL 17, 1923.

170,538. WASHED AND DRIED UNVULCANIZED GUAYULE RUBBER. CONTINENTAL RUBBER COMPANY OF NEW YORK, New York, N. Y.
Filed January 11, 1923. Serial No. 174,427. PUBLISHED APRIL 24, 1923.

170,539. TEXTILE CARPETS. AETNA CARPET CO., New York, N. Y.
Filed January 12, 1923. Serial No. 174,504. PUBLISHED APRIL 17, 1923.

170,540. LEATHER SHOES. EDMONDS SHOE COMPANY, Milwaukee, Wis.
Filed January 12, 1923. Serial No. 174,514. PUBLISHED APRIL 17, 1923.

170,541. COTTON PIECE GOODS. WEINER BROTHERS, INC., New York, N. Y.
Filed January 12, 1923. Serial No. 174,550. PUBLISHED APRIL 17, 1923.

170,542. BREAD. ZINSMASTER BAKING COMPANY, St. Paul, Minn.
Filed September 3, 1920. Serial No. 136,822. PUBLISHED MAY 24, 1921.

170,543. OINTMENT FOR THE TREATMENT OF RHEUMATISM, SPRAINS, SORES, BURNS, AND PILES. HENRIETTA C. FRONK, Schenectady, N. Y.
Filed December 13, 1922. Serial No. 173,281. PUBLISHED MAY 1, 1923.

170,544. CARTOONS, ADVERTISING CARTOONS, AND ILLUSTRATIONS. INTERNATIONAL ASSOCIATION OF MACHINISTS, doing business as Ad-Pep Printing and Publishing Co., Washington, D. C.
Filed January 19, 1922. Serial No. 158,121. PUBLISHED APRIL 24, 1923.

170,545. HOPS. J. SONNENSCHEIN HOP COMPANY, INC., New York, N. Y.
Filed December 9, 1922. Serial No. 173,149. PUBLISHED APRIL 24, 1923.

170,546. RUBBER TIRES. THE FISK RUBBER COMPANY, Chicopee Falls, Mass.
Filed December 11, 1922. Serial No. 173,186. PUBLISHED APRIL 24, 1923.

170,547. FLOOR TRUCKS. WALTER M. NUTTING, doing business as Nutting Truck Company, Faribault, Minn.
Filed December 12, 1922. Serial No. 173,240. PUBLISHED APRIL 17, 1923.

170,548. ROPE. WHITLOCK CORDAGE CO., Jersey City, N. J., and New York, N. Y.
Filed December 12, 1922. Serial No. 173,265. PUBLISHED MARCH 20, 1923.

170,549. CANDY. FRANK LEO BERG, Alton, Ill.
Filed December 13, 1922. Serial No. 173,289. PUBLISHED APRIL 24, 1923.

170,550. AUTOMOBILE TOP DRESSING. JOSEPH H. MORRILL, Portsmouth, N. H.
Filed December 15, 1922. Serial No. 173,360. PUBLISHED APRIL 24, 1923.

170,551. CANDY. A. G. MORSE COMPANY, Chicago, Ill.
Filed December 16, 1922. Serial No. 173,438. PUBLISHED APRIL 24, 1923.

170,552. YEAST FOOD. WARD BAKING COMPANY, New York, N. Y.
Filed December 19, 1922. Serial No. 173,586. PUBLISHED APRIL 24, 1923.

170,553. TRACTORS AND ATTACHMENTS AND PARTS THEREOF. INTERNATIONAL HARVESTER COMPANY, Chicago, Ill.
Filed December 21, 1922. Serial No. 173,649. PUBLISHED APRIL 17, 1923.

170,554. CANNED FRUITS AND CANNED VEGETABLES. FRED B. NEUHOFF, doing business as Fred B. Neuhoff Company, Los Angeles, Calif.
Filed December 21, 1922. Serial No. 173,657. PUBLISHED APRIL 24, 1923.

170,555. FINISHING AND POLISHING MATERIALS IN THE NATURE OF A VARNISH. SHERATONE PRODUCTS CORPORATION, New York, N. Y.
Filed December 21, 1922. Serial No. 173,678. PUBLISHED APRIL 17, 1923.

170,556. CLEANING FLUID FOR DRY-CLEANING FABRICS, LEATHER, AND THE LIKE. THE GLO-TEX COMPANY, Indianapolis, Ind.
Filed December 23, 1922. Serial No. 173,763. PUBLISHED APRIL 24, 1923.

170,557. PEANUT JAM. HONEY PRODUCTS CO., Tustin, Calif.
Filed December 23, 1922. Serial No. 173,769. PUBLISHED APRIL 24, 1923.

170,558. CANNED FRUITS. THOMAS-BODY CO., Oakland, Calif.
Filed December 23, 1922. Serial No. 173,792. PUBLISHED APRIL 24, 1923.

170,559. SPRING BEDS, MATTRESSES, COTS, AND METAL BEDSTEADS. SOUTHERN SPRING BED COMPANY, Atlanta, Ga.
Filed December 26, 1922. Serial No. 173,859. PUBLISHED APRIL 24, 1923.

170,560. RING BOOKS, LEATHER COIN POUCHES, LEATHER KEY CASES, AND SPECIAL LEATHER LETTER COVERS. LEATHER PRODUCTS & FINISHING CO., Los Angeles, Calif.
Filed December 27, 1922. Serial No. 173,902. PUBLISHED APRIL 17, 1923.

170,561. LUBRICATING OILS AND GREASES, GASOLINE; MOTOR SPIRIT, A VOLATILE FUEL COMPOSITION DERIVED FROM PETROLEUM; KEROSENE, DISTILLATE, BENZINE. PETROLEUM PRODUCTS CO., San Francisco, Calif.
Filed December 27, 1922. Serial No. 173,904. PUBLISHED APRIL 17, 1923.

170,562. SECTION OF A MONTHLY PERIODICAL. BERNICE CHALLENGER BOST, Chicago, Ill.
Filed December 28, 1922. Serial No. 173,910. PUBLISHED APRIL 17, 1923.

170,563. CERTAIN NAMED SOAPS AND OTHER CLEANERS. KERMUL PRODUCTS, INC., New York, N. Y.
Filed December 29, 1922. Serial No. 173,968. PUBLISHED APRIL 24, 1923.

170,564. POWDER FOR BATHING, WASHING, AND CLEANING PURPOSES. WILLIAM E. BRACKETT, Toledo, Ohio.
Filed December 30, 1922. Serial No. 173,994. PUBLISHED APRIL 24, 1923.

170,565. MATCHES. THE DIAMOND MATCH COMPANY, Chicago, Ill.
Filed February 3, 1922. Serial No. 158,822. PUBLISHED APRIL 17, 1923.

170,566. MATCHES. THE DIAMOND MATCH COMPANY, Chicago, Ill.
Filed February 3, 1922. Serial No. 158,823. PUBLISHED APRIL 17, 1923.

170,567. CANNED FRUITS AND CANNED VEGETABLES. JOHN W. MCCARTHY, JR. INC., San Francisco, Calif.
Filed May 4, 1922. Serial No. 163,341. PUBLISHED APRIL 17, 1923.

170,568. BABY PANTS OR DIAPER COVERS. SOL H. SHONINGER, doing business as The Solvos Company, Chicago, Ill.
Filed May 11, 1922. Serial No. 163,709. PUBLISHED OCTOBER 24, 1922.

170,569. CANNED FISH, TOMATOES, TOMATO SAUCE AND PASTE, STRING BEANS, GREEN PEAS, OLIVES, SALAD OIL. SAVOY IMPORTING CO., INC., New York, N. Y.
Filed May 11, 1922. Serial No. 163,711. PUBLISHED APRIL 24, 1923.

170,570. FACIAL AND TOILET PREPARATIONS—NAMELY, TOILET POWDER. MARGUERITE SULLIVAN, doing business as Domino House, Philadelphia, Pa.
Filed May 29, 1922. Serial No. 164,677. PUBLISHED OCTOBER 10, 1922.

170,571. ROPE AND TWINE OF ALL KINDS. THE JOHNSON PICKETT ROPE CO., Manila, Philippine Islands.
Filed June 3, 1922. Serial No. 164,920. PUBLISHED APRIL 17, 1923.

170,572. ROPE AND TWINE OF ALL KINDS. THE JOHNSON PICKETT ROPE CO., Manila, Philippine Islands.
Filed June 3, 1922. Serial No. 164,921. PUBLISHED APRIL 17, 1923.

170,573. MALTED CHOCOLATE MILK DRINK. WEBER MILK COMPANY, Indianapolis, Ind.
Filed June 10, 1922. Serial No. 165,320. PUBLISHED APRIL 17, 1923.

170,574. WOOD ROLLING PARTITIONS IN BUILDINGS, FOR DOORS, WARDROBES, AND THE LIKE. JOHN W. MONROE, Lima, Ohio.
Filed July 10, 1922. Serial No. 166,705. PUBLISHED APRIL 17, 1923.

170,575. STORAGE BATTERIES. GEORGE M. BIEHL, doing business as Liberty Storage Battery Company, Pottsville, Pa.
Filed July 25, 1922. Serial No. 167,347. PUBLISHED APRIL 3, 1923.

170,576. CANNED PRESERVED FRUITS, JAMS, JELLIES, AND FRUIT SIRUPS FOR FOOD PURPOSES. THE SAN FRANCISCO BREWERIES, LTD., San Francisco, Calif., assignor to Wielands Incorporated, a Corporation of California.
Filed July 25, 1922. Serial No. 167,368. PUBLISHED APRIL 24, 1923.

170,577. MALT SIRUP FOR FOOD PURPOSES. PRIMALT PRODUCTS CO., Chicago, Ill.
Filed July 26, 1922. Serial No. 167,420. PUBLISHED APRIL 24, 1923.

170,578. OIL, USED IN MAKING HIGH-GLOSS VARNISH. F. E. BOOTH CO., San Francisco, Calif.
Filed July 29, 1922. Serial No. 167,553. PUBLISHED APRIL 17, 1923.

170,579. CANTALOUPES IN THEIR NATURAL STATE. J. T. JOHN COMPANY, Johns, N. C.
Filed July 29, 1922. Serial No. 167,569. PUBLISHED APRIL 24, 1923.

170,580. SHORTENING. THE BROWN ORCOLA COMPANY, Chicago, Ill.
Filed July 31, 1922. Serial No. 167,598. PUBLISHED APRIL 17, 1923.

170,581. FRESH FRUITS AND VEGETABLES. ILLINOIS FRUIT EXCHANGE, Centralia, Ill.
Filed July 31, 1922. Serial No. 167,641. PUBLISHED APRIL 24, 1923.

170,582. TABLE JELLIES, CARAMEL TOFFEES, AND OTHER BOILED-SUGAR GOODS. WALTER ROBERTSON & SON, LTD., Brentford Bridge, Middlesex, England.
Filed August 1, 1922. Serial No. 167,690. PUBLISHED APRIL 24, 1923.

170,583. CORE FACINGS, CORE BLACKINGS, CORE BINDERS, CORE PARTINGS, AND POWDERED AND PLASTIC LADLE LININGS. THE BIRD-ARCHER COMPANY, New York, N. Y.
Filed January 30, 1922. Serial No. 158,596. PUBLISHED APRIL 17, 1923.

170,584. PEANUT BUTTER, QUEEN OLIVES, MUSTARD, STUFFED OLIVES, CHOW RELISH. WALTER J. HIRSCH CO., Chicago, Ill.
Filed January 5, 1922. Serial No. 157,523. PUBLISHED APRIL 24, 1923.

170,585. SHOE AND CORSET LACES. THE HUTMACHER BRAIDING COMPANY, Paterson, N. J.
Filed December 16, 1921. Serial No. 156,789. PUBLISHED APRIL 24, 1923.

170,586. WRITING PAPER. HAWTHORNE PAPER COMPANY, Kalamazoo, Mich.
Filed December 8, 1921. Serial No. 156,447. PUBLISHED APRIL 17, 1923.

170,587. CERTAIN-NAMED NOTIONS. WALKER WEBBING CO., Providence, R. I.
Filed November 30, 1921. Serial No. 156,125. PUBLISHED APRIL 24, 1923.

170,588. VEHICLE TIRES, INNER TUBES, TIRE CASINGS, AND SHOES, AND REPAIR PARTS FOR SAME. THE IDEAL TIRE AND RUBBER COMPANY, Cleveland, Ohio.
Filed November 26, 1921. Serial No. 155,968. PUBLISHED APRIL 17, 1923.

170,589. CANDY. NEW ENGLAND CONFECTIONERY COMPANY, Boston, Mass.
Filed October 31, 1921. Serial No. 154,839. PUBLISHED APRIL 17, 1923.

170,590. BICYCLES, TRICYCLES, MOTOR CYCLES, AND MOTOR TRUCKS AND PASSENGER AUTOMOBILES. HUMBER LIMITED, Coventry, England.
Filed October 24, 1921. Serial No. 154,513. PUBLISHED APRIL 24, 1923.

170,591. CANDY. NEW ENGLAND CONFECTIONERY COMPANY, Boston, Mass.
Filed October 31, 1921. Serial No. 154,820. PUBLISHED APRIL 17, 1923.

170,592. CANNED LOBSTER AND TROPICAL FRUITS. HOMER S. CARMICHAEL, doing business as The International Canning Co., Belize, British Honduras, Central America.
Filed May 24, 1921. Serial No. 148,126. PUBLISHED OCTOBER 31, 1922.

170,593. INDIA-RUBBER TIRES AND INNER TUBES. GEORGE SPENCER, MOULTON & CO. LTD., Westminster, London, England.
Filed August 2, 1921. Serial No. 151,299. PUBLISHED APRIL 24, 1923.

170,594. MATERIAL FOR ARRESTING AND SEPARATING IMPURITIES OR OTHER MATTER FROM FLUIDS. CELITE PRODUCTS COMPANY, Los Angeles, Calif., and New York, N. Y.
Filed April 26, 1921. Serial No. 146,755. PUBLISHED APRIL 17, 1923.

170,595. SISAL ROPE. TUBBS CORDAGE COMPANY, San Francisco, Calif.
Filed February 2, 1921. Serial No. 143,108. PUBLISHED JUNE 21, 1921.

170,596. ROPE MADE FROM FIBER. TUBBS CORDAGE COMPANY, San Francisco, Calif.
Filed February 2, 1921. Serial No. 143,106. PUBLISHED JUNE 21, 1921.

170,597. MATTRESSES, PILLOWS, BOLSTERS, AND CUSHIONS. THE ROBINSON-RODERS CO., INC., Newark, N. J.
Filed Aug. 28, 1920. Serial No. 136,604. PUBLISHED APRIL 24, 1923.

170,598. WRAPPING, PACKING, AND LINING MATERIAL IN SHEET FORM. SAFEPACK MILLS, Boston, Mass.
Filed January 14, 1919. Serial No. 115,189. PUBLISHED SEPTEMBER 16, 1919.

170,599. ISTLE ROPE. THE HOOVEN & ALLISON COMPANY, Xenia, Ohio.
Filed April 18, 1919. Serial No. 117,597. PUBLISHED DECEMBER 30, 1919.

170,600. RUBBER TIRES AND INNER TUBES. THE MID-CONTINENT TIRE MANUFACTURING COMPANY, Wichita, Kans.
Filed May 2, 1919. Serial No. 118,089. PUBLISHED APRIL 24, 1923.

170,601. INNER-TUBE REPAIR PATCHES. JOSEPH J. FUCHS, doing business as Tourists' Pride Mfg. Co., Minneapolis, Minn.
Filed May 18, 1920. Serial No. 132,601. PUBLISHED APRIL 17, 1923.

170,602. BLEACHED SHEETINGS, CAMBRICS, AND NAINSOOKS. GEORGE W. KAVANAUGH, INC., New York, N. Y.
Filed July 12, 1920. Serial No. 134,825. PUBLISHED FEBRUARY 14, 1922.

170,603. SHOE POLISH. AKIN MANUFACTURING COMPANY, Charlotte, N. C.
Filed January 20, 1923. Serial No. 174,809. PUBLISHED APRIL 24, 1923.

170,604. BUFFING ROUGE. A. P. MUNNING & CO., Matawan, N. J.
Filed January 19, 1923. Serial No. 174,793. PUBLISHED APRIL 24, 1923.

170,605. BUFFING ROUGE. A. P. MUNNING & CO., Matawan, N. J.
Filed January 19, 1923. Serial No. 174,792. PUBLISHED APRIL 24, 1923.

170,606. SECTION OF A CATALOGUE PUBLISHED ANNUALLY. T. W. WOOD & SONS, Richmond, Va.
Filed January 16, 1923. Serial No. 174,682. PUBLISHED APRIL 24, 1923.

170,607. A CERTAIN NAMED MEDICINAL PREPARATION. JUDSON T. MASON, doing business as Tol-O-Nite Remedy Co., Washington, D. C.
Filed January 8, 1923. Serial No. 174,317. PUBLISHED APRIL 24, 1923.

170,608. ADVERTISING CARDS AND EDUCATIONAL POSTERS. THE AMERICAN BANKING MACHINE CORPORATION, Saginaw, Mich.
Filed December 29, 1922. Serial No. 173,948. PUBLISHED APRIL 24, 1923.

170,609. PAINT ENAMELS TO BE USED ON ALL INTERIOR AND EXTERIOR SURFACES. FRANK BOWNES COMPANY, INC., Lynn, Mass.
Filed February 21, 1923. Serial No. 176,396. PUBLISHED APRIL 17, 1923.

170,610. PREPARATION TO BE USED IN THE MANUFACTURE OF FLOOR PAINTS, ENAMELS, FILLERS, AND AS A FINISHING VARNISH. KEYSTONE VARNISH COMPANY, Brooklyn, N. Y.
Filed February 20, 1923. Serial No. 176,351. PUBLISHED APRIL 17, 1923.

170,611. RUBBER BOOTS AND SHOES AND ARCTIC OVERSHOES. GOODYEAR RUBBER COMPANY, Middletown, Conn.
Filed February 20, 1923. Serial No. 176,338. PUBLISHED APRIL 17, 1923.

170,612. TOBACCO PIPES. DELACOUR BROS. LTD., London, England.
Filed February 28, 1923. Serial No. 176,726. PUBLISHED APRIL 24, 1923.

170,613. TOBACCO PIPES. DELACOUR BROS. LTD., London, England.
Filed February 28, 1923. Serial No. 176,725. PUBLISHED APRIL 24, 1923.

170,614. TOBACCO PIPES. DELACOUR BROS. LTD., London, England.
Filed February 28, 1923. Serial No. 176,724. PUBLISHED APRIL 24, 1923.

170,615. TOBACCO PIPES. DELACOUR BROS. LTD., London, England.
Filed February 28, 1923. Serial No. 176,723. PUBLISHED APRIL 24, 1923.

170,616. WINDOW GLASS. MOUNTAIN STATE GLASS CO., Mannington, W. Va.
Filed March 8, 1923. Serial No. 177,139. PUBLISHED APRIL 17, 1923.

170,617. MATCHES. THE DIAMOND MATCH COMPANY, Chicago, Ill.
Filed March 7, 1923. Serial No. 177,078. PUBLISHED APRIL 17, 1923.

170,618. MATCHES. THE DIAMOND MATCH COMPANY, Chicago, Ill.
Filed March 7, 1923. Serial No. 177,077. PUBLISHED APRIL 17, 1923.

170,619. MATCHES. THE DIAMOND MATCH COMPANY, Chicago, Ill.
Filed March 7, 1923. Serial No. 177,076. PUBLISHED APRIL 17, 1923.

170,620. MATCHES. THE DIAMOND MATCH COMPANY, Chicago, Ill.
Filed March 7, 1923. Serial No. 177,075. PUBLISHED APRIL 17, 1923.

170,621. YARN. WM. H. HORSTMANN COMPANY, Philadelphia, Pa.
Filed March 5, 1923. Serial No. 176,999. PUBLISHED APRIL 17, 1923.

170,622. FERTILIZER. THE AMERICAN AGRICULTURAL CHEMICAL COMPANY, New York, N. Y.
Filed March 3, 1923. Serial No. 176,868. PUBLISHED APRIL 17, 1923.

170,623. TOBACCO PIPES. DELACOUR BROS. LTD., London, England.
Filed February 28, 1923. Serial No. 176,728. PUBLISHED APRIL 24, 1923.

170,624. TOBACCO PIPES. DELACOUR BROS. LTD., London, England.
Filed February 28, 1923. Serial No. 176,727. PUBLISHED APRIL 24, 1923.

170,625. LEATHER SHOES. MELANSON SHOE COMPANY, Lynn, Mass.
Filed January 29, 1923. Serial No. 175,259. PUBLISHED APRIL 17, 1923.

170,626. WHITING. THE TAINTOR COMPANY, New York, N. Y.
Filed January 26, 1923. Serial No. 175,171. PUBLISHED APRIL 17, 1923.

170,627. VEGETABLE SEEDS. W. ATLEE BURPEE CO., Philadelphia, Pa.
Filed January 25, 1923. Serial No. 175,065. PUBLISHED APRIL 24, 1923.

170,628. KNITTING WOOL. JAMES TEMPLETON & SON, LTD., Ayr, Scotland.
Filed January 20, 1923. Serial No. 174,870. PUBLISHED APRIL 17, 1923.

170,629. SOLID AND PNEUMATIC RUBBER AND FABRIC TIRES. THE MILLER RUBBER COMPANY, Akron, Ohio.
Filed January 19, 1923. Serial No. 174,791. PUBLISHED APRIL 24, 1923.

170,630. WASHING FLUID. FEDERICO CICETTI, doing business as No-worry Chemical Co., Newark, N. J.
Filed January 18, 1923. Serial No. 174,725. PUBLISHED APRIL 24, 1923.

170,631. LINING FOR AUTOMOBILE TRANSMISSIONS. STANDARD MOTOR PARTS COMPANY, Chicago, Ill.
Filed February 1, 1923. Serial No. 175,413. PUBLISHED APRIL 24, 1923.

170,632. READY-MIXED PAINTS, HOUSE PAINTS FOR INTERIOR AND EXTERIOR APPLICATION, PAINT ENAMELS, VARNISHES, STAINS, FILLERS, AND VARNISH STAINS. THE KOLBE PAINT COMPANY, Cincinnati, Ohio.
Filed January 31, 1923. Serial No. 175,358. PUBLISHED APRIL 17, 1923.

170,633. PHOTOGRAPHIC MOUNTINGS. CALIFORNIA CARD MANUFACTURING CO., San Francisco, Calif.
Filed January 31, 1923. Serial No. 175,340. PUBLISHED APRIL 17, 1923.

170,634. ANTISEPTIC DRESSINGS AND ABSORBENT AND MEDICATED COTTONS AND GAUZES, PLAIN MEDICATED AND ADHESIVE BANDAGES. THE DEANE PLASTER CO., Yonkers, N. Y.
Filed January 30, 1923. Serial No. 175,307. PUBLISHED APRIL 17, 1923.

170,635. PAPETERIES, WRITING AND TYPEWRITING TABLETS; WRITING PAPER IN REAMS, POUNDS, AND OTHER PACKAGES; AND MAILING ENVELOPES. WHITE & WYCKOFF MANUFACTURING COMPANY, Holyoke, Mass.
Filed February 9, 1923. Serial No. 175,827. PUBLISHED APRIL 17, 1923.

170,636. PILE FABRICS IN THE PIECE. SIDNEY BLUMENTHAL & CO. INC., New York, N. Y.
Filed February 9, 1923. Serial No. 175,767. PUBLISHED APRIL 17, 1923.

170,637. STEAM AND DOMESTIC COAL. VIRGINIA BLUE GEM COAL CORPORATION, Pennington Gap and North Fork, Va.
Filed February 7, 1923. Serial No. 175,691. PUBLISHED APRIL 24, 1923.

170,638. PAPER TABLETS, COMPOSITION BOOKS, BLANK BOOKS, PADS, PAPETERIES, CORRESPONDENCE PAPER, ENVELOPES. ALLEN BROTHERS, Chicago, Ill.
Filed February 3, 1923. Serial No. 175,539. PUBLISHED APRIL 17, 1923.

170,639. SANITARY-NAPKIN HOLDERS. SARAH A. HARRISON, Omaha, Nebr.
Filed February 3, 1923. Serial No. 175,491. PUBLISHED APRIL 17, 1923.

170,640. FIBER SHIPPING CASES. ST. REGIS PAPER CO., Watertown, N. Y.
Filed February 2, 1923. Serial No. 175,445. PUBLISHED APRIL 17, 1923.

170,641. MILK-SHIPPING CANS AND CANS USED FOR PACKING AND SHIPPING ICE CREAM. DES LAURIERS METAL PRODUCTS CO. INC., St. Paul, Minn.
Filed February 17, 1923. Serial No. 176,166. PUBLISHED APRIL 24, 1923.

170,642. BURIAL VAULTS. CON-O-LITE CORPORATION, Cortland, N. Y.
Filed February 15, 1923. Serial No. 176,072. PUBLISHED APRIL 17, 1923.

170,643. GASOLINE AND LUBRICATING OILS. HERMAN BUNGE, Elgin, Ill.
Filed February 15, 1923. Serial No. 176,064. PUBLISHED APRIL 17, 1923.

170,644. MOPS AND MOP HANDLES. WILLIAM H. FISHER, doing business as Fisher Manufacturing Co., Brockton, Mass.
Filed February 10, 1923. Serial No. 175,855. PUBLISHED APRIL 17, 1923.

170,645. ART NEEDLEWORK—VIZ, EMBROIDERY PATTERNS, NOVELTY CROCHET AND FEATHER-EDGE BRAIDS, AND ART FRINGES. T. BUETTNER & CO., Chicago, Ill.
Filed October 4, 1922. Serial No. 170,270. PUBLISHED APRIL 24, 1923.

170,646. CERTAIN NAMED NOTIONS. ROYAL C. TAFT, doing business as R. C. Taft Company, Chicago, Ill.
Filed September 30, 1922. Serial No. 170,164. PUBLISHED APRIL 24, 1923.

170,647. COFFEE. ROCKFORD WHOLESALE GROCERY CO., Rockford, Ill.
Filed September 16, 1922. Serial No. 169,563. PUBLISHED APRIL 17, 1923.

170,648. ICE CREAM. GOODMAN AMERICAN ICE CREAM COMPANY, Chicago, Ill.
Filed September 20, 1922. Serial No. 169,710. PUBLISHED APRIL 17, 1923.

170,649. ICE-CREAM CONES MADE OF MILK CHOCOLATE. HARRY L. SCOTT, Baltimore, Md.
Filed September 28, 1922. Serial No. 170,043. PUBLISHED APRIL 24, 1923.

170,650. UPHOLSTERY AND DRAPERY FABRICS OF THE TYPE COMMONLY MADE ON JACQUARD LOOMS. HENRY GOLDTHORP COMPANY, INC., Philadelphia, Pa.
Filed September 29, 1922. Serial No. 170,063. PUBLISHED APRIL 17, 1923.

170,651. WOOLEN FABRICS IN THE PIECE. AMERICAN UNIFORM COMPANY, INC., Wales, Mass.
Filed September 30, 1922. Serial No. 170,115. PUBLISHED APRIL 24, 1923.

170,652. SOAPS. LAWRENCE SOAP CO., Methuen, Mass.
Filed September 12, 1922. Serial No. 169,366. PUBLISHED APRIL 24, 1923.

170,653. WOOLEN PIECE GOODS. FORSTMANN & HUFFMANN COMPANY, Passaic, N. J., assignor to Forstmann & Huffmann Company, Passaic, N. J., a Corporation of Delaware.
Filed September 14, 1922. Serial No. 169,441. PUBLISHED APRIL 24, 1923.

170,654. CANNED VEGETABLES. EPHRAIM SANITARY CANNING COMPANY, Ephraim, Utah.
Filed September 15, 1922. Serial No. 169,477. PUBLISHED APRIL 17, 1923.

170,655. CANNED FRUITS, CANNED VEGETABLES, AND CANNED FISH. UNITED STATES PRODUCTS CORPORATION, San Jose, Calif.
Filed August 17, 1922. Serial No. 168,391. PUBLISHED APRIL 17, 1923.

170,656. INSECTICIDE AND MOTHPROOFING COMPOSITION. PROCESS CHEMICALS INCORPORATED, New York, N. Y.
Filed August 19, 1922. Serial No. 168,489. PUBLISHED APRIL 17, 1923.

170,657. CHOCOLATE. G. M. CABRERA, doing business as Cabrera & Co., New York, N. Y.
Filed August 21, 1922. Serial No. 168,511. PUBLISHED APRIL 17, 1923.

170,658. CANDY AND PEPPERMINT LOZENGES. SALLY MINT COMPANY, New York, N. Y.
Filed September 7, 1922. Serial No. 169,185. PUBLISHED APRIL 24, 1923.

170,659. CARDBOARD TO BE PLACED IN FRUIT BOXES TO PREVENT THE CRUSHING OF THE FRUIT. SHUZO SATAKE, doing business as Non-Crush Fruit Guard Company, Sacramento, Calif.
Filed September 11, 1922. Serial No. 169,328. PUBLISHED APRIL 17, 1923.

170,660. AUTOMOBILE TIRE CASINGS. THE CORD TIRE CORPORATION, Chester, W. Va.
Filed August 2, 1922. Serial No. 167,712. PUBLISHED APRIL 17 1923.

170,661. LACE EDGINGS IN THE PIECE. MARVELLO LACE COMPANY, New York, N. Y.
Filed August 14, 1922. Serial No. 168,220. PUBLISHED APRIL 24, 1923.

170,662. CANNED BAKED BEANS WITH PORK. EHMANN OLIVE COMPANY, Oroville, Calif.
Filed August 17, 1922. Serial No. 168,359. PUBLISHED APRIL 24, 1923.

170,663. BISCUITS. BISHOP & COMPANY, Los Angeles, Calif.
Filed July 1, 1920. Serial No. 134,455. PUBLISHED AUGUST 24, 1920.

170,664. WHEAT FLOUR. MAUSER MILL COMPANY, Laurys Station, Pa.
Filed February 18, 1921. Serial No. 143,771. PUBLISHED FEBRUARY 13, 1923.

170,665. CHEESE. WILLIAM FAEHNDRICH, doing business as Wm. Faehndrich Co., New York, N. Y.
Filed May 14, 1921. Serial No. 147,720. PUBLISHED JANUARY 10, 1922.

170,666. SOAPS BOTH IN THE FORM OF CAKES AND IN THE FORM OF CHIPS. THE WOLF CREEK SOAP WORKS COMPANY, near Dayton, Montgomery County, Ohio.
Filed January 10, 1922. Serial No. 157,744. PUBLISHED APRIL 24, 1923.

170,667. COFFEE, RICE, AND EVAPORATED MILK. H. P. LAU CO., Lincoln, Nebr.
Filed January 23, 1922. Serial No. 158,320. PUBLISHED OCTOBER 3, 1922.

170,668. MONTHLY PUBLICATION. FLETCHER AMERICAN COMPANY, Indianapolis, Ind.
Filed January 31, 1922. Serial No. 158,676. PUBLISHED APRIL 24, 1923.

170,669. OLEOMARGARINE. THE GLIDDEN NUT BUTTER COMPANY, Chicago, Ill.
Filed February 18, 1922. Serial No. 159,506. PUBLISHED FEBRUARY 13, 1923.

170,670. HUMAN AND ANIMAL HAIR. LOUIS LEVUSSOVE, New York, N. Y.
Filed April 22, 1922. Serial No. 162,751. PUBLISHED APRIL 24, 1923.

170,671. MONTHLY MAGAZINE. THE LURIE COMPANY, INC., New York, N. Y.
Filed July 27, 1922. Serial No. 167,471. PUBLISHED APRIL 24, 1923.

170,672. COMPOUND HAVING THE APPEARANCE OF PUTTY AND USED TO RETAIN MOLTEN METAL WHILE POURING BEARINGS. PRODUCTS MFG. & SALES CO., Milwaukee, Wis.
Filed August 1, 1922. Serial No. 167,686. PUBLISHED APRIL 24, 1923.

170,673. CAOUTCHOUC MILK. F. R. HENDERSON & CO., INC., New York, N. Y.
Filed November 25, 1922. Serial No. 172,533. PUBLISHED APRIL 24, 1923.

170,674. BLUEBERRY PLANTS. JOSEPH J. WHITE, INC., New Lisbon, N. J.
Filed November 23, 1922. Serial No. 172,458. PUBLISHED APRIL 24, 1923.

170,675. MONTHLY MAGAZINE. THE NORTHMAN PUBLISHING COMPANY, Portland, Oreg.
Filed October 30, 1922. Serial No. 171,380. PUBLISHED APRIL 24, 1923.

170,676. SOAP AND SOAP POWDER. LEVER BROTHERS COMPANY, Cambridge, Mass.
Filed October 24, 1922. Serial No. 171,130. PUBLISHED APRIL 24, 1923.

170,677. CLEANSER FOR RUGS, CARPETS, WOOLEN GOODS, CLOTHING, UPHOLSTERED FURNITURE, BATHTUBS, AND HOUSEHOLD PURPOSES. JOHN M. HIBLER, doing business as J. M. Hibler Mfg. Co., Defiance, Ohio.
Filed October 21, 1922. Serial No. 171,019. PUBLISHED APRIL 24, 1923.

170,678. FUR SKINS. CASSILETH & SCHWARTZ, Brooklyn, N. Y.
Filed September 21, 1922. Serial No. 169,754. PUBLISHED APRIL 24, 1923.

170,679. MONTHLY MAGAZINE. RADIO PUBLISHING CORPORATION, New York, N. Y.
Filed August 26, 1922. Serial No. 168,729. PUBLISHED APRIL 24, 1923.

170,680. CERTAIN NAMED ABRASIVE STONES. PIKE MANUFACTURING COMPANY, Pike and Littleton, N. H.; Evansville, Vt.; New York, N. Y.; Orleans, Ind.; and Hot Springs, Ark.
Filed December 23, 1922. Serial No. 173,783. PUBLISHED APRIL 24, 1923.

170,681. CARTOONS AND ILLUSTRATIONS USED FOR ADVERTISING PURPOSES. BERT REESE, Philadelphia, Pa.
Filed December 11, 1922. Serial No. 173,209. PUBLISHED APRIL 24, 1923.

170,682. TITLE FOR CARTOONS. PUBLIC LEDGER COMPANY, Philadelphia, Pa.
Filed December 4, 1922. Serial No. 172,900. PUBLISHED APRIL 24, 1923.

[ACT OF MARCH 19, 1920, SEC. 1 (b)].

THESE REGISTRATIONS ARE NOT SUBJECT TO OPPOSITION.

170,683. (CLASS 44. DENTAL, MEDICAL, AND SURGICAL APPLIANCES.) WALTON C. SEITZ, Milwaukee, Wis. Filed Sept. 26, 1922. Serial No. 169,961.

WALTON'S

Particular description of goods.—Hand Shields.
Claims use since Apr. 1, 1922.

170,684. (CLASS 15. OILS AND GREASES.) WADHAMS OIL COMPANY, Milwaukee, Wis. Filed Nov. 18, 1921. Serial No. 155,580.

Tempered

Particular description of goods.—Lubricating Oils.
Claims use since March, 1919.

170,685. (CLASS 22. GAMES, TOYS, AND SPORTING GOODS.) MANHATTAN PHOTO SUPPLY CO., INC., New York, N. Y. Filed Feb. 3, 1923. Serial No. 175,506.

PETER PAN

Particular description of goods.—Golf Balls.
Claims use since about May 18, 1922.

170,686. (CLASS 7. CORDAGE.) TUBBS CORDAGE COMPANY, San Francisco, Calif. Filed Apr. 4, 1923. Serial No. 178,579.

EXTRA SUPERIOR

Particular description of goods.—Manila Rope.
Claims use since Oct. 5, 1908.

170,687. (CLASS 35. BELTING, HOSE, MACHINERY PACKING, AND NONMETALLIC TIRES.) STANLEY GLIDDEN CO., INC., Boston, Mass. Filed Aug. 18, 1919. Serial No. 121,765.

MERIT

Particular description of goods.—Pneumatic and Solid Rubber Tires, Tubes, Patches, Outside Tire Sleeves, Inside Tire Sleeves, Rubber Hose, Portable Tire-Vulcanizing Outfits, and Rubber Gaskets.
Claims use since July 21, 1919.

170,688. (CLASS 35. BELTING, HOSE, MACHINERY PACKING, AND NONMETALLIC TIRES.) TEUSCHER & SON MACHINERY SUPPLY CO., St. Louis, Mo. Filed Apr. 12, 1922. Serial No. 162,219.

GREATER GRIP

Particular description of goods.—Automobile Fan Belts, Particularly Fabric and Rubberized Fabric.
Claims use since Nov. 1, 1921.

170,689. (CLASS 19. VEHICLES, NOT INCLUDING ENGINES.) KOKOMO AUTOMOTIVE MFG. CO., Kokomo, Ind. Filed Oct. 23, 1922. Serial No. 171,087.

KOKOMO

Particular description of goods.—Rear-View Mirrors for Vehicles, Vehicle Windshield Wings, Automobile Visors and Windshields.
Claims use since Mar. 1, 1922.

170,690. (CLASS 50. MERCHANDISE NOT OTHERWISE CLASSIFIED.) CANVAS PRODUCTS COMPANY, St. Louis, Mo. Filed Jan. 2, 1923. Serial No. 174,066.

Matchless

Particular description of goods.—Tents, Tent Flies, Tarpaulins, Binder Covers, Wagon Covers, and Awnings.
Claims use since 1905.

170,691. (CLASS 50. MERCHANDISE NOT OTHERWISE CLASSIFIED.) CANVAS PRODUCTS COMPANY, St. Louis, Mo. Filed Jan. 2, 1923. Serial No. 174,067.

Peerless

Particular description of goods.—Tents, Tent Flies, Tarpaulins, Binder Covers, Wagon Covers, and Awnings.
Claims use since 1905.

170,692. (CLASS 19. VEHICLES, NOT INCLUDING ENGINES.) LINCOLN MOTOR COMPANY, Highland Park, Mich. Filed Jan. 4, 1923. Serial No. 174,171.

LINCOLN

Particular description of goods.—Motor Cars.
Claims use since Aug. 3, 1920.

170,693. (CLASS 17. TOBACCO PRODUCTS.) LILLY, DUNGAN & COMPANY, Baltimore, Md. Filed Feb. 17, 1923. Serial No. 176,197.

LILLY, DUNGAN & CO'S. MILD BLEND ESTABLISHED 1901

Particular description of goods.—Cigars, Cigarettes, Smoking Tobacco.
Claims use since Mar. 30, 1921.

170,694. (CLASS 19. VEHICLES, NOT INCLUDING ENGINES.) THE WICHITA FENDER BRACE COMPANY, Wichita Falls, Tex. Filed Feb. 28, 1923. Serial No. 176,774.

WICHITA FENDER BRACE

Particular description of goods.—Fender Braces.
Claims use since December, 1921.

170,695. (CLASS 50. MERCHANDISE NOT OTHERWISE CLASSIFIED.) DANIEL HIRSCH, New York, N. Y. Filed Mar. 22, 1923. Serial No. 177,846.

Kantlose

Particular description of goods.—Identification Tags.
Claims use since March, 1922.

LABELS

REGISTERED JULY 17, 1923.

26,220.—*Title:* CHILIPITINE SYRUP. For a Compound for Coughs and Colds. B. & B. CHEMICAL COMPANY, San Antonio, Tex. Published May 26, 1923.

26,221.—*Title:* HEMOGLOTONE. For a Tonic. BIO-MEDICAL LABORATORIES, Brooklyn, N. Y. Published May 9, 1923.

26,222.—*Title:* WHITE CIRCLE, THE SOAP THAT CLEANS SO CLEAN. For Soap. J. DIETRICH & COMPANY, San Antonio, Tex. Published June 18, 1923.

26,223.—*Title:* "TOOT SWEET" MARSHMALLOW FLUFF. For Marshmallow Fluff. DURKEE-MOWER & Co., Swampscott, Mass. Published April 9, 1923.

26,224.—*Title:* PLAY BALLS. For Sponge-Rubber Balls. THE FAULTLESS RUBBER COMPANY, Ashland, Ohio. Published April 26, 1923.

26,225.—*Title:* SOUTHERN STYLE MOIST SWEETENED COCONUT. For Prepared Coconut. THE FRANKLIN BAKER Co., Philadelphia, Pa. Published February 15, 1923.

26,226.—*Title:* ASMA RELEF. For Asthma, Hay Fever Bronchial and Catarrhal Medicine. WILLIAM H. GOODRIDGE, doing business as Monroe Laboratory Company, Lynn, Mass. Published March 5, 1923.

26,227.—*Title:* NEPTUNE. For Table Salt. HAAS, BAUCH & Co., Los Angeles, Calif. Published May 3 1923.

26,228.—*Title:* PARFAIT. For Powder Puffs. HARDY NEWMAN & Co., also doing business as Parfait Powder Puff Co., Chicago, Ill. Published May 23, 1923.

26,229.—*Title:* HELLER'S FANCY-PASTRY DESSERT POWDER. For Preparation for Use in Making Desserts. B. HELLER & COMPANY, Chicago, Ill. Published May 12, 1923.

26,230.—*Title:* MELOINE. For Preparation for Use in Improving Ice Cream and Conditioning the Ice-Cream Mix. B. HELLER & COMPANY, Chicago, Ill. Published May 14, 1923.

26,231.—*Title:* IMPERIAL BAY RUM. For Bay Rum. IMPERIAL PERFUMERY AND BARBER'S SUPPLIES, INC., New York, N. Y. Published June 1, 1923.

26,232.—*Title:* PETER-PAN. For Peas. INDERRIEDEN CANNING Co., Chicago, Ill. Published June 1, 1923.

26,233.—*Title:* PETER-PAN. For Corn. INDERRIEDEN CANNING Co., Chicago, Ill. Published June 1, 1923.

26,234.—*Title:* ROYAL MUSLIN. For Muslin. ISSER REZNIK'S SONS, New York, N. Y. Published June 18, 1923.

26,235.—*Title:* KIRK'S ORIGINAL OLIVE COCOA CASTILE. For Soap. JAMES S. KIRK & COMPANY, Chicago, Ill. Published March 19, 1923.

26,236.—*Title:* DR. LAWTON'S AUTOMATIC WAISTLINE REDUCER. For Surgical Appliances. THOMAS LAWTON, New York, N. Y. Published June 5, 1923.

26,237.—*Title:* SCOUT NOTES. For Blank Notebooks and Memorandum Pads. HARRY J. LICHTENBERGER, Washington, D. C. Published June 6, 1923.

6,238.—*Title:* LUCIDO'S QUALITY. For Peas. LUCIDO BROTHERS GROCERY COMPANY, also doing business as Lucido Bros. Grocer Co., Granite City, Ill. Published April 2, 1923.

26,239.—*Title:* NAME. For Handkerchiefs. S. W. MAGNUS & Co., New York, N. Y. Published March 14, 1923.

26,240.—*Title:* AEROPLANE. For Sweeping Compound. A. W. MENDENHALL & COMPANY, Kansas City, Mo. Published May 27, 1921.

26,241.—*Title:* EVEREADY RADIO "B" BATTERY. For Electric Batteries. NATIONAL CARBON COMPANY, INC., New York, N. Y. Published June 1, 1923.

26,242.—*Title:* NARCISSUS PAPER WHITE. For a Box of Narcissus Bulbs. NEW AMSTERDAM BULB CO. INC., New York, N. Y. Published November 1, 1922.

26,243.—*Title:* SALEM. For Pears, NORTHWEST FRUIT PRODUCTS COMPANY, Salem, Oreg. Published May 1, 1923.

26,244.—*Title:* TROPICAL FRUIT. For Gum. OAKLAND GUM COMPANY, Oakland, Calif. Published May 25, 1923.

26,245.—*Title:* SEASIDE. For Gasoline. SEASIDE OIL COMPANY, Summerland, Calif. Published September 20, 1922.

26,246.—*Title:* STORMSHIELD LIQUID, THE ROOF THAT'S WATERPROOF. For Protective Coatings for Roofs and the Like. F. I. SIEGEL & SON, West Hoboken, N. J. Published January 2, 1923.

26,247.—*Title:* STATE LINE. For Early June Peas. SOUTH CHICAGO WHOLESALE GROCERY AND PRODUCE COMPANY, INC., Chicago, Ill. Published May 31, 1923.

26,248.—*Title:* KIDDIES FILLING. For Dental Filling Material. JOHN A. WILLIAMS, D. D. S., doing business as King's Specialty Company, Fort Wayne, Ind. Published May 28, 1922.

PRINTS

REGISTERED JULY 17, 1923.

6,819.—*Title:* DOUBLE-IN TWIST CLOTH. For Clothing. THE BONDED TAILORING Co. INC., Cleveland, Ohio. Published April 9, 1921.

6,820.—*Title:* TAKE ONE HOME—SLICE IT! For Baffle Bar Candy. CARDINET CANDY COMPANY, Oakland, Calif. Published June 1, 1923.

6,821.—*Title:* COULD THIS BE YOU IN THESE HOPELESSLY OLD STYLE CLOTHES? For Papeteries. EATON, CRANE & PIKE COMPANY, Pittsfield, Mass. Published May 13, 1922.

6,822.—*Title:* LOWNEY'S CHOCOLATES. For Chocolate Products, Including Particularly Lowney's Chocolates. WALTER M. LOWNEY COMPANY, Boston, Mass. Published May 9, 1923.

6,823.—*Title:* FIT-RITE. For Shoe and Slipper Trees. JAMES N. MAYHEW Co., INC., Minneapolis, Minn. Published May 1, 1923.

6,824.—*Title:* N. For Batteries and Electrical Apparatus. DAVID NEAL, Canton, Ohio. Published April 12, 1923.

6,825.—*Title:* SUNBURN HURTS! UNGUENTINE HEALS! For Unguentine. THE NORWICH PHARMACAL COMPANY, Norwich, N. Y. Published May 1, 1923.

6,826.—*Title:* THE ARISTOCRATS OF CREDIT JEWELERS. For Jewelry and Silverware. OLSEN & EBANN, Chicago, Ill. Published May 25, 1923.

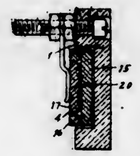
6,827.—*Title:* BEAUTY THAT LURES. For Palmolive Soap. THE PALMOLIVE COMPANY, Milwaukee, Wis. Published June 20, 1923.

6,828.—*Title:* FLEXIBLE BEND LIKE BIRCH BOUGHS. For Shoes. TRAIL MOC SHOE COMPANY, Saco, Me. Published May 29, 1923.

REISSUES.

JULY 17, 1923.

15,653. LIGHTNING ARRESTER. CHESTER T. ALLCUTT, Wilkinsburg, Pa., assignor to Westinghouse Electric and Manufacturing Company, a Corporation of Pennsylvania. Filed Nov. 14, 1922. Serial No. 600,972. Original No. 1,361,801, dated Dec. 14, 1920, Serial No. 189,348, filed Sept. 1, 1917. 20 Claims. (Cl. 175—30.)



6. The method of forming a member for a lightning arrester which consists in molding an insulating support containing a phenolic condensation product and thereafter molding integrally therewith an electrical conducting portion comprising a comminuted conducting material and a binder therefor that serves to autogenously unite with said insulating support.

9. A protector comprising a pair of electrodes, one of said electrodes comprising a conducting member and the other comprising a non-conducting portion and a conducting portion autogenously connected thereto, the surface of said conducting portion being countersunk relatively to the corresponding surface of the insulating portion and being separated therefrom by means of a groove.

11. A discharge electrode for a lightning arrester comprising a plurality of refractory conducting particles held in a binder of phenolic condensation product.

18. A resistance element, comprising a bakelite bar having finely divided graphite embedded therein.

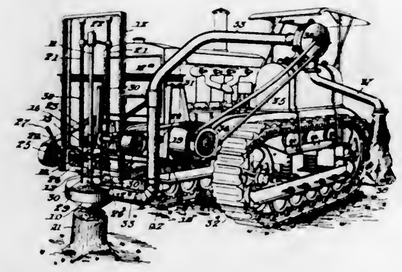
15,654. LINGERIE CLIP. EMMA EVANS CLARK, Hammond, Ind., assignor to The Wilson Fastener Company, Cleveland, Ohio, a Corporation of Ohio. Filed Mar. 24, 1923. Serial No. 627,458. Original application filed Mar. 22, 1920, Serial No. 367,913. Renewed May 14, 1921, Serial No. 469,495. Original No. 1,383,906, dated July 5, 1921. 10 Claims. (Cl. 24—259.)



1. A lingerie-clip comprising a U-shaped resilient body with a snap fastener of the stud and socket type carried respectively by the two limbs of the body entirely between such limbs and adjacent the free edges thereof.

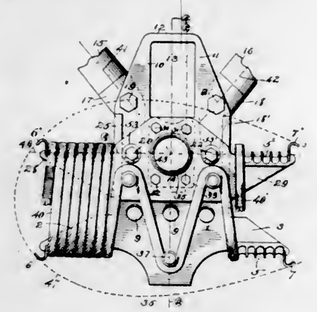
15,655. STUMP HARVESTER. EDWIN A. MCKOY and GEORGE D. MOORE, New Orleans, La. Filed May 20, 1921. Serial No. 471,259. Original application filed Sept. 21, 1917, Serial No. 192,566. Renewed July 9, 1919, Serial No. 309,766. Original No. 1,313,708, dated Aug. 19, 1919. 31 Claims. (Cl. 144—2.)

1. In a stump harvester, a dirigible power plant, a boring tool comprising a cutter head having a recess opposite its cutting surface, a housing forming with the recess a chamber to receive the cuttings and means



to discharge the cuttings from the housing to a predetermined depository.

15,656. LANDING GEAR FOR AIRPLANES. JEAN A. ROCHÉ, Dayton, Ohio. Filed Apr. 15, 1921. Serial No. 461,600½. Original No. 1,329,477, dated Feb. 3, 1920, Serial No. 279,050, filed Feb. 25, 1919. 8 Claims. (Cl. 244—2.)

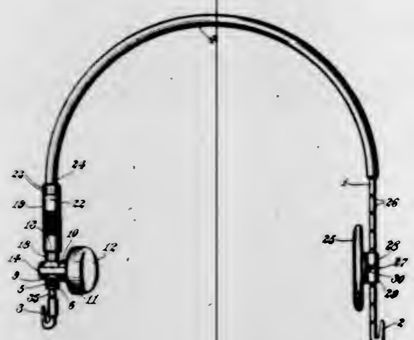


1. In a landing gear, a main frame carrying fore and aft extensions, an auxiliary frame carrying corresponding fore and aft extensions, said auxiliary frame being slidably mounted in said main frame, and a resilient cable engaging over the lower edges of the first-mentioned fore and aft extensions and over the upper edges of the second-mentioned fore and aft extensions.

15,657. HERNIAL TRUSS. GEORGE A. MCMILLEN, Alton, Ill. Filed Mar. 13, 1919. Serial No. 282,513. Original No. 1,237,667, dated Aug. 21, 1917, Serial No. 149,612, filed Feb. 19, 1917. 26 Claims. (Cl. 128—104.)

3. A hernial truss, comprising, a supporting band, a pad mounted for movement thereon, means for selectively

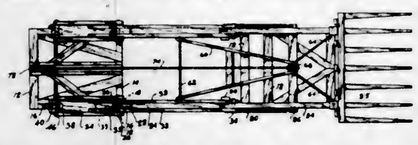
shifting said pad on said band to position and adapt it for right and left ruptures while the mounting of said



pad on said band is maintained, and means adapted upon such shifting for yieldingly retaining said pad in either of said positions.

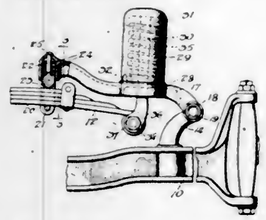
15,658. HAYSTACKER, JOSEPH H. COPE, Denver, Colo., assignor to The Windsor Manufacturing Company, Windsor, Colo., a Corporation of Colorado. Filed Apr. 26, 1923. Serial No. 634,859. Original No. 1,426,961, dated Aug. 22, 1922, Serial No. 361,833, filed Feb. 2, 1920. 78 Claims. (Cl. 214—141.)

1. In a stacker; a main frame; a slidable extension arm; a stacker head on said arm; means to lift said arm and head; and means for extending said arm comprising a jointed link having two members pivoted to-



gether, one of which is pivoted to the frame and the other is pivoted to the extension arm.

15,659. SPRING SUSPENSION. THOMAS I. DUFFY, Chicago, Ill., assignor, by mesne assignments, to Auto Specialties Manufacturing Company, St. Joseph, Mich., a Corporation of California. Filed Dec. 10, 1918. Serial No. 266,167. Original No. 1,213,761, dated Jan. 23, 1917, Serial No. 58,996, filed Nov. 1, 1915. 14 Claims. (Cl. 267—17.)



1. A spring suspension for vehicles comprising the combination with the main spring and its support, of a lever pivoted at one end to said support, means movable relatively to the said support to which the other end of the lever is connected, and a resilient connection directly between an end of said lever and said main spring and constituting the sole support for said end of the main spring.

DESIGNS.

JULY 17, 1923.

62,660. LIGHTING FIXTURE. ABRAHAM AARONS, New York, N. Y. Filed Oct. 14, 1922. Serial No. 3,975. Term of patent 3½ years.



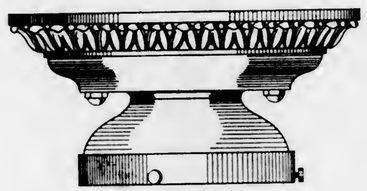
The ornamental design for a lighting fixture, as shown.

62,661. CANOPY FOR LIGHTING FIXTURES. ABRAHAM AARONS, New York, N. Y. Filed Oct. 14. 1922. Serial No. 3,976. Term of patent 3½ years.



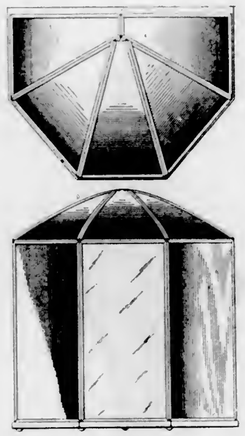
The ornamental design for a canopy for a lighting fixture as shown.

62,662. HOLDER FOR ILLUMINATING GLASSWARE. HARRY C. ADAM, St. Louis, Mo. Filed May 13, 1922. Serial No. 2,227. Term of patent 14 years.



The ornamental design for a holder, for illuminating glassware, as shown.

62,663. DISPLAY CABINET. JOHN T. ASHBROOKE, New York, N. Y., assignor to The Bonnie-B Company, Inc., a Corporation of New York. Filed July 20, 1921. Serial No. 486,274. Term of patent 3½ years.



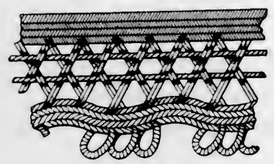
The ornamental design for a display cabinet, as shown.

62,664. MIRROR, BRUSH, OR SIMILAR ARTICLE. WILLIAM S. BECHTOLD, Newark, N. J. Filed Dec. 31, 1921. Serial No. 526,400. Term of patent 14 years.



The ornamental design for a mirror, brush, or similar article, as shown.

62,665. TRIMMING FOR GARMENTS AND SIMILAR ARTICLES. CONRAD J. BUSCH, Wyomissing, Pa., assignor to The Narrow Fabric Co., West Reading, Pa., a Corporation of Pennsylvania. Filed Mar. 10, 1922. Serial No. 1,102. Term of patent 14 years.



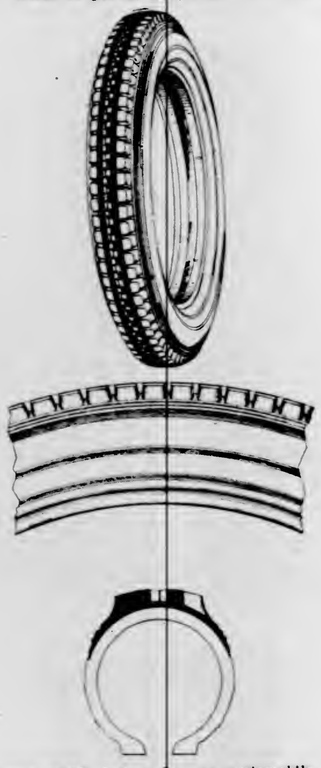
The ornamental design for a trimming for garments and similar articles as shown.

62,666. LIGHTING FIXTURE. HARRY C. ADAM, St. Louis, Mo. Filed Dec. 15, 1921. Serial No. 522,706. Term of patent 14 years.



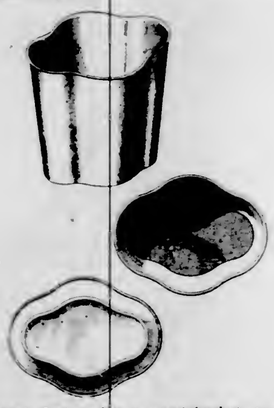
The ornamental design for a lighting fixture, as shown.

62,667. AUTOMOBILE TIRE. JACKSON D. COMSTOCK, Chester, W. Va. Filed Dec. 11, 1922. Serial No. 4,567. Term of patent 14 years.



The ornamental design for an automobile tire as shown.

62,668. WASTEBASKET. MARTHA HALOWELL CONNOR, Baltimore, Md., assignor to The Tin Decorating Company of Baltimore, Baltimore, Md., a Corporation of New Jersey. Filed Oct. 19, 1922. Serial No. 4,032. Term of patent 14 years.



The ornamental design for a wastebasket or similar receptacle, as shown.

62,669. DISPLAY STAND FOR HOSE CLAMPS. ADOLPH E. FRIGE, Hackensack, N. J., assignor to Universal Industrial Corporation, Hackensack, N. J., a Corporation of Delaware. Filed Oct. 19, 1922. Serial No. 4,027. Term of patent 3½ years.



The ornamental design for a display stand for hose clamps, as shown.

62,670. METAL BASKET OR SIMILAR ARTICLE. WILLIAM GEIB, Meriden, Conn., assignor to International Silver Company, Meriden, Conn., a Corporation of New Jersey. Filed Oct. 24, 1922. Serial No. 4,074. Term of patent 7 years.



The ornamental design for a metal basket or similar article as shown.

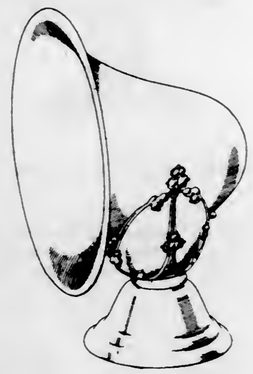
62,671. RUBBER BOOT. ALFRED A. GLIDDEN, Watertown, Mass., assignor to Hood Rubber Company, Watertown, Mass., a Corporation of Massachusetts. Filed Jan. 12, 1923. Serial No. 4,866. Term of patent 14 years.





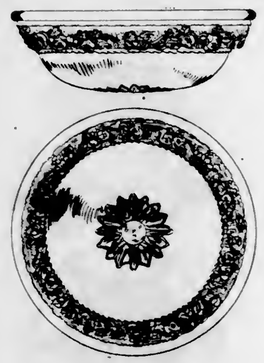
The ornamental design for a rubber boot, as shown.

62,672. LOUD-SPEAKING TELEPHONE RECEIVER. GEORGE R. LUM, New York, N. Y., assignor to Western Electric Company, Incorporated, New York, N. Y., a Corporation of New York. Filed Sept. 12, 1922. Serial No. 3,703. Term of patent 14 years.



The ornamental design for a loud speaking telephone receiver, as shown.

62,673. PLATE FOR LIGHTING FIXTURES. GLENN E. MCFADDEN, Lakewood, Ohio. Filed Oct. 14, 1922. Serial No. 3,973. Term of patent 3½ years.



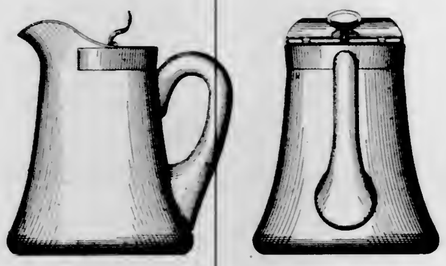
The ornamental design for a plate for lighting fixtures, as shown.

62,674. SPECTACLES DISPLAY HOLDER. ARTHUR MENG, Cleveland, Ohio. Filed Sept. 11, 1922. Serial No. 3,684. Term of patent 7 years.



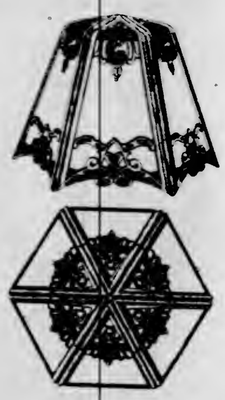
The ornamental design for a spectacles display holder, as shown.

62,675. PITCHER. ANDREW J. SANFORD, Newark, Ohio, assignor to A. H. Heisey & Co., Newark, Ohio. Filed June 17, 1921. Serial No. 478,452. Term of patent 14 years.



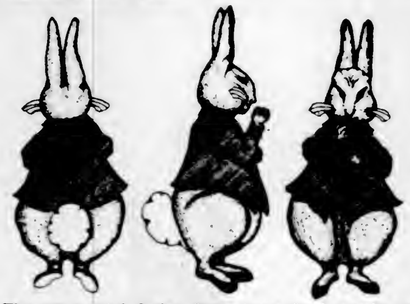
The ornamental design for a pitcher, as shown.

62,676. LAMP SHADE. GEORGE I. SCHLEY, Chicago, Ill. Filed Oct. 16, 1922. Serial No. 3,990. Term of patent 3½ years.



The ornamental design for a lamp shade, as shown.

62,677. TOY ANIMAL. ELIZABETH A. TICHLER, Paterson, N. J. Filed Nov. 15, 1922. Serial No. 4,299. Term of patent 7 years.



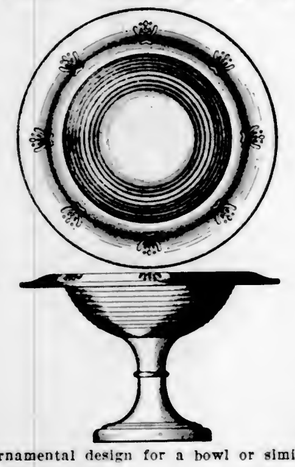
The ornamental design for a toy animal, as shown.

62,678. COMBINED LAMP AND BOOKRACK. ALBERT S. TRASK, Concord, N. H. Filed Sept. 8, 1922. Serial No. 3,654. Term of patent 3½ years.



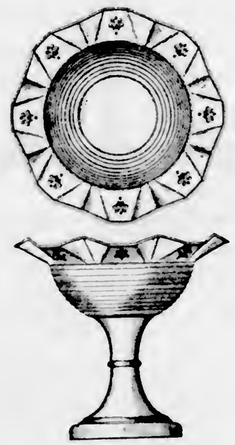
The ornamental design for a combined lamp and book rack, as shown.

62,679. BOWL OR SIMILAR ARTICLE. HYMAN WANERMAN, New York, N. Y. Filed Sept. 28, 1922. Serial No. 3,837. Term of patent 3½ years.



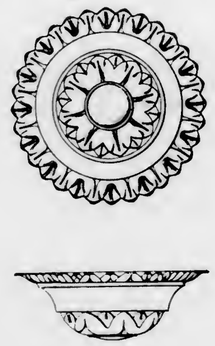
The ornamental design for a bowl or similar article, as shown.

62,680. BOWL OR SIMILAR ARTICLE. HYMAN WANERMAN, New York, N. Y. Filed Sept. 28, 1922. Serial No. 3,838. Term of patent 3½ years.



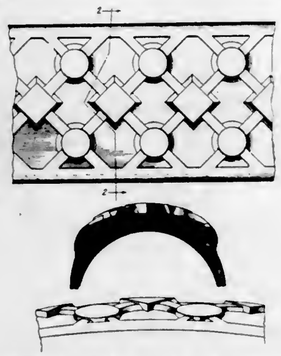
The ornamental design for a bowl or similar article, as shown.

62,681. PLATE FOR LIGHTING FIXTURES. PERCY S. WARMAN, Roselle, N. J., assignor to Alfred Vester Sons, Inc., Providence, R. I., a Corporation of Rhode Island. Filed Feb. 24, 1922. Serial No. 883. Term of patent 7 years.



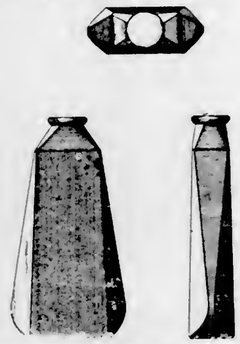
The ornamental design for a plate for lighting fixtures, as shown.

62,682. TIRE TREAD. EDWIN P. WEBER, Chicago, Ill. Filed Jan. 6, 1922. Serial No. 67. Term of patent 7 years.



The ornamental design for a tire tread, as shown.

62,683. TALCUM-POWDER BOX. CARL WEEKS, Des Moines, Iowa. Filed June 5, 1922. Serial No. 2,535. Term of patent 3½ years.



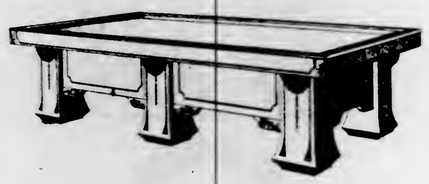
The ornamental design for a talcum powder box, as shown.

62,684. PERFUME BOTTLE. CARL WEEKS, Des Moines, Iowa. Filed June 5, 1922. Serial No. 2,534. Term of patent 3½ years.



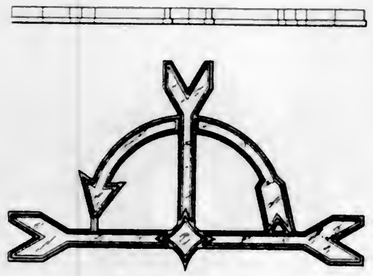
The ornamental design for a perfume bottle, as shown.

62,685. BILLIARD TABLE. CHARLES A. WENDT, Milwaukee, Wis. Filed Sept. 30, 1922. Serial No. 3,849. Term of patent 14 years.



The ornamental design for a billiard table, as shown.

62,686. DIRECTION SIGNAL. CHARLES D. WIEMER, Los Angeles, Calif. Filed June 19, 1922. Serial No. 2,731. Term of patent 7 years.

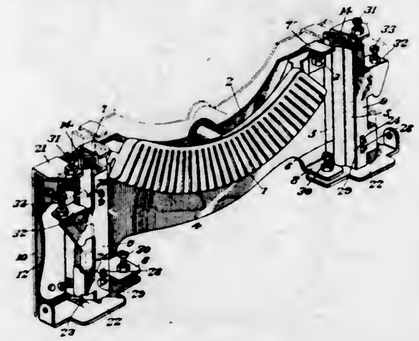


The ornamental design for a direction signal, as shown.

PATENTS

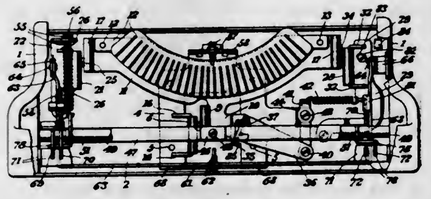
GRANTED JULY 17, 1923.

1,461,717. SEGMENT CARRIER FOR TYPEWRITING MACHINES. FRANK H. ARMSTRONG, Auburn, N. Y., assignor to Corona Typewriter Company, Inc., Groton, N. Y., a Corporation of New York. Filed Dec. 30, 1919. Serial No. 348,326. 24 Claims. (Cl. 197—74.)



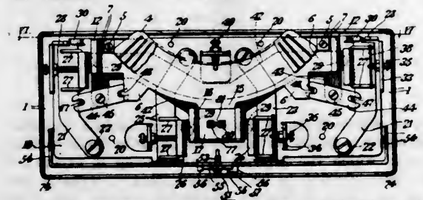
1. In a typewriting machine a vertically shiftable segment carrying member, vertically arranged raceways at the ends of said carrying member, relatively stationary complementary raceways mounted in the machine frame, anti-friction balls arranged in said raceways, and individual ball retainers to receive the balls and connected at one of their ends to the relatively stationary raceways and at their other ends to the vertically shiftable member whereby the balls will have a vertical movement with the vertically shiftable member and will be maintained in their proper relative positions in the raceways.

1,461,718. TYPEWRITING MACHINE. FRANK H. ARMSTRONG, Auburn, N. Y., assignor to Corona Typewriter Company, Inc., Groton, N. Y., a Corporation of New York. Filed Sept. 17, 1920. Serial No. 410,960. 22 Claims. (Cl. 197—72.)



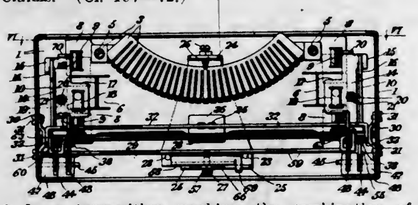
2. In a typewriting machine, the combination of a frame, a vertically shiftable type-segment support having two ball channels facing toward one side of the machine and a third ball channel facing toward the opposite side of the machine, stationary means on the frame having ball channels facing inwardly and cooperating with said first two channels on the support to form ball races, a shiftable raceway member having an inwardly facing ball channel cooperating with said third ball channel on the support to form a ball race, anti-friction balls in the races, and a spring urging said movable raceway member inwardly transversely of the machine.

1,461,719. TYPEWRITING MACHINE. FRANK H. ARMSTRONG, Auburn, N. Y., assignor to Corona Typewriter Company, Inc., Groton, N. Y., a Corporation of New York. Filed Feb. 12, 1921. Serial No. 444,448. 27 Claims. (Cl. 197—72.)



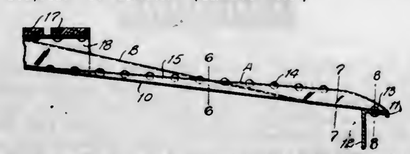
1. In a typewriting machine, the combination of a main frame, a support shiftable relatively to the main frame to vary the relation between printing instrumentalities and a platen and provided with a plurality of ball channels spaced apart transversely of the main frame, a frame part extending transversely of the main frame, a plurality of members shiftably held to said frame part and each provided with a ball channel cooperating with one of the channels on the support, means carried by said frame part for adjusting said members, balls in the raceways formed by the cooperating channels on the support and members, and means detachably holding said frame part to the main frame.

1,461,720. TYPEWRITING MACHINE. FRANK H. ARMSTRONG, Auburn, N. Y., assignor to Corona Typewriter Company, Inc., Groton, N. Y., a Corporation of New York. Filed Feb. 21, 1921. Serial No. 446,535. 37 Claims. (Cl. 197—72.)



1. In a typewriting machine, the combination of a support having a plurality of resilient portions adjacent both ends thereof, a type-bar segment on the support, a plurality of guides at each end of the support, each of said resilient portions of the support cooperating with a different guide, and key-operated means for shifting the support.

1,461,721. CAR ROOF. CHARLES DAVID BONSALL, Pittsburgh, Pa., assignor to P. H. Murphy Company, New Kensington, Pa. Filed June 30, 1922. Serial No. 572,063. 20 Claims. (Cl. 108—5.4.)



1. A metal car roof comprising a series of transverse stiffening ribs alternating with other stiffening ribs that are deepest adjacent to the eaves.

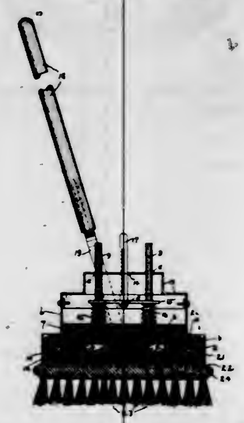
1,461,722. WATER-LEVEL INDICATOR FOR AUTOMOBILE RADIATORS. HARRISON H. BOYCE, Forest Hills, N. Y. Filed Mar. 29, 1916. Serial No. 87,422. 9 Claims. (Cl. 73—82.)



1. A water level indicator for automobile radiators comprising a frame having at its opposite faces portions through which the interior of the casing is exposed to view and adapted to be mounted upon a radiator cap, a target having a limited movement within said frame and observable from both faces thereof, a float adapted to be inserted thru the filling neck of a radiator, and means operatively connecting said float and said target.

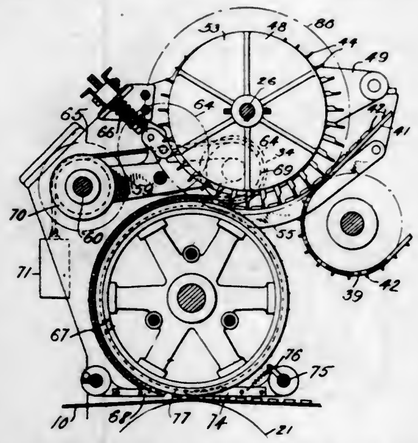
2. Means for indicating to the driver of an automobile the level of the cooling water within the radiator thereof comprising the combination with the radiator of a float therein, a frame mounted upon the radiator cap having a sight opening intermediate the upper and lower portions thereof, and in the direction of vision of the driver, and indicating means within said frame operatively connected to said float and movable therewith, said indicating means including a distinctive portion normally concealed from view by said frame and adapted to be moved into position to be seen through said opening when the water level changes.

1,461,723. FLOOR WAXER AND POLISHER. JAMES G. BROOKS, Omaha, Nebr. Filed June 30, 1922. Serial No. 572,070. 5 Claims. (Cl. 91—43.)



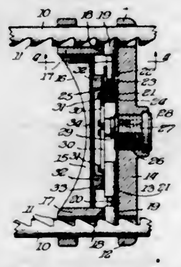
1. In combination, a wax dispensing receptacle consisting of a perforated base-plate having upright walls and provided inwardly of said upright walls with a wax-container, a bearing-plate provided with guides and disposed in the wax-container, springs on the guides, a yoke engaging the springs and traversed by the guides, a lid on the wax-container provided with a slot and traversed by said guides, and a rack-bar in the slot of the lid, said rack-bar being pivotally mounted on the yoke and movable for moving the bearing-plate inwardly of the wax-container, subject to the resistance of said springs.

1,461,724. MACHINE FOR THE MANUFACTURE OF WALL BOARD. SIMON COOPER, Brooklyn, N. Y., assignor to Allison Bishopric, Cincinnati, Ohio. Filed Apr. 3, 1920. Serial No. 374,004. 40 Claims. (Cl. 154—1.)



1. In a wall board machine, cooperating press rolls, means for feeding between said rolls a web supplied on one face thereof with adhesive, means for supplying laths in spaced relation to the adhesive side of said web and including pins on one of the rolls for temporarily holding the laths in spaced relation and means for spacing and impaling the laths in such spaced relation on said pins.

1,461,725. LOCK. THOMAS C. COOPER, Chicago, Ill. Filed July 18, 1918. Serial No. 245,447. 1 Claim. (Cl. 70—108.)



A lock comprising an embracing member provided with teeth, a locking member in the form of a one-piece casting adapted to fit said embracing member and to be moved therealong into engagement with the article to be clamped, a chamber in said casting, a plurality of guides integral with said member and projecting into said chamber, sleeves slidably mounted within said guides, locking bolts slidably mounted in said sleeves, means for yieldingly maintaining said bolts normally projected through the end walls of said member into engagement with the teeth of said embracing member, means for limiting the forward and reverse movements of said bolts, key-controlled mechanism, means connecting said sleeves therewith whereby said sleeves and bolts

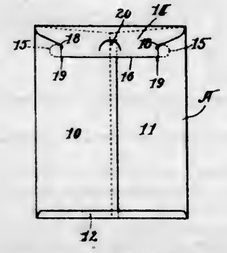
may be retracted, and a cover for said parts, the side walls of said member being designed to snugly fit the article clamped whereby access to said cover and said parts is effectively obstructed.

1,461,726. AUTOMOBILE RADIATOR CONDENSER. HAROLD L. CRAFTS, Rochester, N. Y. Filed Apr. 15, 1921. Serial No. 461,731. 5 Claims. (Cl. 257—25.)



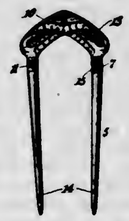
1. A condenser having a condensing chamber provided with an inlet at its bottom, a seal for collecting the condensed matters, said seal communicating with the inlet so that the overflow from the seal flows to the inlet.

1,461,727. ENVELOPE. WALTER H. DEUBENER, St. Paul, Minn. Filed Mar. 19, 1920. Serial No. 367,129. 6 Claims. (Cl. 229—84.)



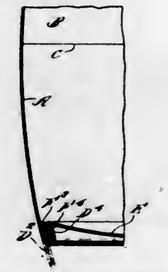
1. An envelope comprising a pair of members, a cover closure flap hinged to one of said members, a pair of circular locking tongues extending from the edges of one of said members, arcuate slots formed along the perimeter of portions of said locking tongues and slots formed in said other member adapted to cooperate with said locking tongues.

1,461,728. METHOD OF FORMING HAIRPINS. MILTON A. FISHEL, New York, N. Y. Filed June 11, 1921. Serial No. 476,798. 5 Claims. (Cl. 29—160.6.)



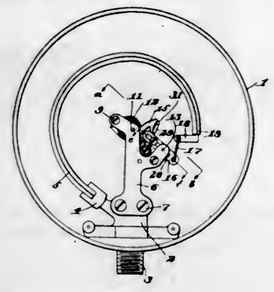
1. The method of manufacturing a hair pin which consists in forming a substantially U-shaped blank having at its adjacent ends a surplus amount of metal, upsetting the surplus amount of metal to provide prong-receiving elements, providing prong-receiving pockets within the prong-receiving elements, and securing within said pockets a pair of prongs.

1,461,729. METHOD OF FORMING SHEET-METAL BARREL CHIMES. HENRY J. FOSTER and OWEN THOMAS, Cleveland, Ohio, assignors to The Hydraulic Pressed Steel Company, Cleveland, Ohio, a Corporation of Ohio. Filed June 11, 1919. Serial No. 303,458. 1 Claim. (Cl. 113—112.)



The herein described method of forming sheet metal barrel chimes which consists in folding back the head providing an integral chime composed of inner and outer members, connecting said members by brazing, then folding inwardly the outer end of the chimes so constructed, and finally brazing the folded end to the barrel head.

1,461,730. PRESSURE-GAUGE MECHANISM. CARL H. GRAESSER, Bridgeport, Conn., assignor to Manning, Maxwell & Moore, Inc., New York, N. Y., a Corporation of New Jersey. Filed May 5, 1921. Serial No. 466,952. 6 Claims. (Cl. 73—109.)

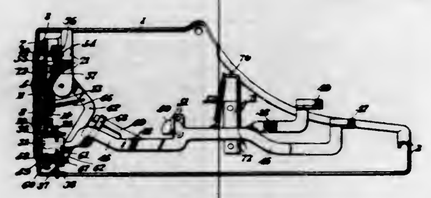


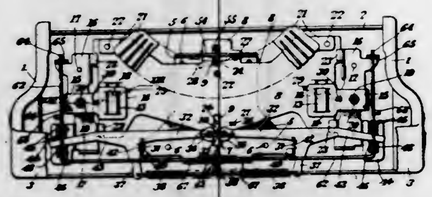
1. A gauge comprising a casing, a Bourdon tube therein, index means, a lever interposed between said tube and said index means, and spaced stop elements engageable with said lever for positively limiting the arc of movement thereof.

1,461,731. TYPEWRITING MACHINE. EDWIN L. HARMON, Groton, N. Y., assignor to Corona Typewriter Company, Inc., Groton, N. Y., a Corporation of New York. Filed Sept. 17, 1920. Serial No. 410,947. Renewed Jan. 18, 1923. 25 Claims. (Cl. 197—72.)

1. In a typewriting machine, the combination of a vertically shiftable type support, a lever extending transversely of the machine and connected at its inner end to said support, means pivotally supporting said lever intermediate its ends to swing in a vertical plane, a spring

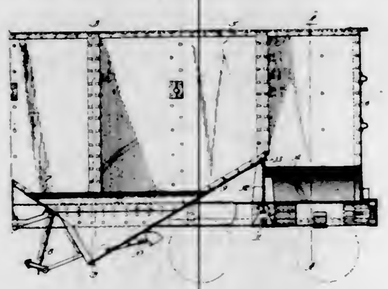
connected with said lever to normally hold the type support in elevated position, and a key-operated lever fulcrumed intermediate its ends extending fore and aft of





the machine and loosely engaging under the outer end of said transversely extending lever at the rear of the fulcrum of the key-operated lever.

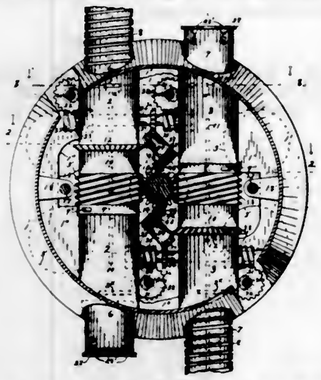
1,461,732. DUMP CAR. HARRY S. HART, Chicago, Ill. Filed Aug. 4, 1921. Serial No. 489,700. 5 Claims. (Cl. 105—249.)



1. A dump car having sides, ends and a floor, the floor portions intermediate the car trucks comprising hoppers having floors sloping downwardly from the trucks, said floor portions terminating above the trucks in lines transverse of the car, and downwardly extending vertical walls on such lines, the remainder of the floor between said lines and the ends of the car being located below the plane of said floor portions.

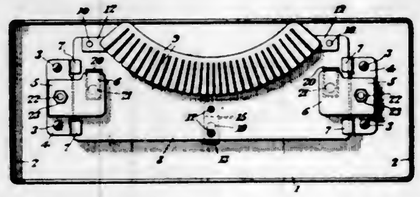
1,461,733. PROPELLING DEVICE FOR AIRCRAFT. HERBERT E. HAWES, Milwaukee, Wis. Filed Oct. 26, 1921. Serial No. 510,448. 24 Claims. (Cl. 170—163.)

1. In an aircraft, a propeller device comprising a rotary driving shaft; a frame carried thereby; counter shafts longitudinally reciprocably carried by said frame, their axes transverse of, and offset from, the axis of the power shaft; propeller blades carried by said counter shafts and projecting outwardly from the frame; means to rotate the driving shaft; and intermediate means controllable by the aviator to intermittently operatively connect the driving shaft with the counter shafts to longitudinally reciprocate them to desired extent in either one of opposite directions independently of speed, or direction, of



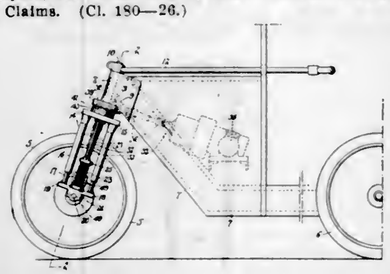
rotation of the driving shaft thereby correspondingly lengthening or shortening the projection of the blades from the frame.

1,461,734. TYPEWRITING MACHINE. OTTO PETERMANN, Groton, N. Y., assignor to Corona Typewriter Company, Inc., Groton, N. Y., a Corporation of New York. Filed July 28, 1920. Serial No. 399,567. 21 Claims. (Cl. 197—74.)



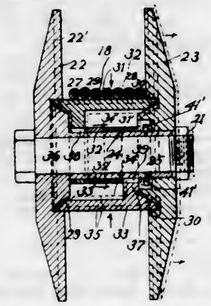
1. In a typewriting machine, the combination of a support shiftable edgewise to change case, a centrally arranged guide at one face of the support, resilient guides spaced apart transversely of the path of movement of the support at the other face of said support and located at opposite sides of the centrally arranged guide, rolling elements between the opposite faces of the support and said guides, and adjustable means for holding the resilient guides against the rolling elements contacting therewith under tension.

1,461,735. MOTOR VEHICLE. KARL R. PETERS, Philadelphia, Pa. Filed Feb. 9, 1922. Serial No. 535,367. 2 Claims. (Cl. 180—26.)



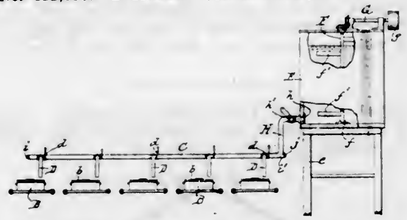
1. A motor vehicle comprising a vehicle frame, a steering head mounted upon the frame, a steering post pivoted within the steering head, a transverse plate rigidly secured to the lower end of the steering post, a steering wheel, an axle carrying the steering wheel, bearings arranged upon opposite sides of the steering wheel and holding the axle, each bearing extending upon opposite sides of the axle, a pair of upstanding guide rods rigidly mounted upon the ends of the bearing upon each side of the wheel and arranged upon opposite sides of the axle, a pair of tubes arranged upon each side of the wheel and slidably receiving the guide rods and rigidly mounted upon the transverse plate near its side and near its front and rear portions, said rods and tubes being spaced, a cap rigidly mounted upon each bearing at a point near the center of the bearing and between the rods, a compressible coil spring having its lower end held within the cap, a depending rod rigidly connected with the transverse plate between each pair of depending tubes and extending into the coil spring, and a cap carried by the depending rod and engaging the opposite end of the spring.

1,461,736. COLLAPSIBLE SPOOL. WILLIAM A. PRENTISS, Holyoke, Mass. Filed Dec. 4, 1922. Serial No. 604,871. 10 Claims. (Cl. 242—115.)



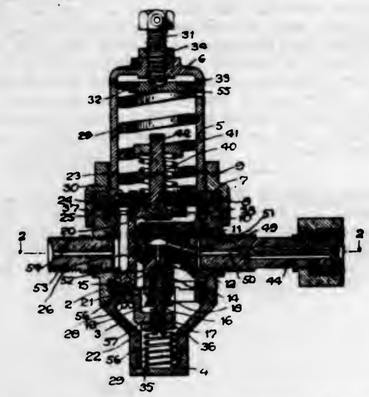
1. A spool for the purpose described, comprising a fixed and a removable head, the fixed head having a plurality of arc-shaped members movably engaging the same and movable relative thereto, one of the ends of these members having inclined surfaces, the removable head having a co-operating inclined surface to force or move the arc-shaped members outward on the fixed head when the removable head is clamped thereto.

1,461,737. MEANS FOR FEEDING ADHESIVE MATERIAL TO BOX-MAKING MACHINES. JACOB RUDNICK, New York, N. Y. Filed Sept. 24, 1920. Serial No. 412,553. 2 Claims. (Cl. 137—78.)



1. An apparatus of the class described, embodying a plurality of box making machines each provided with a hopper and with means for supplying an adhesive to material adapted to be manipulated by an attendant, an adhesive feed tank in elevated relation to said box making machines, a feed pipe adjacent the hoppers of said machines, said feed pipe having means for controlling the distribution of adhesive material to the hoppers of the individual machines, and a stand pipe connected to the tank and to the feed pipe for establishing the head or pressure required to feed the adhesive material to said feed pipe and said distributing means.

1,461,738. REDUCING VALVE. JOHN RUMPF, Jersey City, N. J., assignor to The Safety Car Heating & Lighting Company, a Corporation of New Jersey. Filed Jan. 28, 1919. Serial No. 273,589. 16 Claims. (Cl. 50—23.)



1. In a reducing valve, in combination, a pressure chamber, a valve seat therein, a diaphragm closing one side of said chamber, a valve controlling member movable with said diaphragm, and a separate valve member having means biasing it away from said seat, and adapted to be pressed by said controlling member against said seat.

10. In a reducing valve, in combination, a pressure chamber having an outlet connected thereto, a diaphragm therefor and having an opening therein, a valve for said chamber, means forming a connection between said diaphragm and said valve and having a shoulder adapted normally to contact with said diaphragm thereby to seal said opening in said diaphragm, whereby for normal operation said diaphragm, said connecting means and said shoulder move as a unit to control said valve and, upon excessive pressure due to failure of said valve to function, said diaphragm will separate from said shoulder to allow escape of fluid from said chamber through said opening.

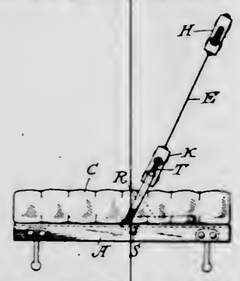
1,461,739. DRIVING MECHANISM FOR CLOCKS AND THE LIKE. KELLMANN SILBERMANN, La Chaux-de-Fonds, Switzerland. Filed Feb. 12, 1921. Serial No. 444,459. 8 Claims. (Cl. 185—27.)



8. Gravity operated driving mechanism for clocks or the like comprising an inclined track for supporting a plurality of weights, having its lower end arranged ad-

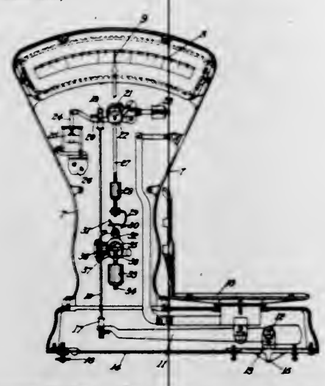
jacent transmission means consisting of an endless driving member carrying a plurality of carriers or supports located at equal distances from each other adapted to receive and discharge the weights, means for releasing the weights including a member pivoted intermediate its ends, having an upwardly projecting part at each end, one of which parts, when the member is in normal position holds the weights from movement on the track, but which, when said member is operated on the discharge of a weight from the transmission means is moved downwardly to position to release a weight, whilst at the same time the other part is moved upwardly to retain the succeeding weights, and spring means for returning the parts to normal position.

1,461,740. COUCH HAMMOCK. GEORGE F. SISBOWER, Bayside, and LOUIS E. PITTONI, New York, N. Y., assignors to Manhattan-Rome Company, branch of Rome Metallic Bedstead Co., Long Island City, N. Y., a Corporation of New York. Filed Mar. 21, 1919. Serial No. 284,131. 4 Claims. (Cl. 5—125.)



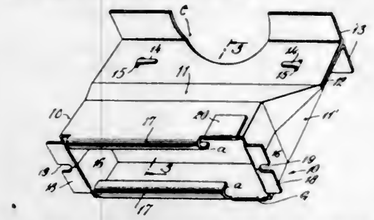
2. A hammock comprising a seat frame, end sheets having their lower portions connected with the seat frame, a back windshield having top and bottom rails, lugs on the upper portions of the end sheets detachably engaging the contiguous ends of the top rail with the windshield, and links each pivoted at one end to an end of the seat frame and having their free ends provided with lugs positioned to engage the contiguous ends of the bottom rail of the windshield, the complemental engaging portions of the top and bottom rails and the respective lugs being positioned to maintain the windshield in a taut condition when the parts are engaged.

1,461,741. PENDULOUS AUTOMATIC WEIGHING SCALE. WILLIAM TIMSON, Birmingham, England, assignor to W. & T. Avery, Limited, Birmingham, England. Filed Dec. 7, 1921. Serial No. 520,690. 1 Claim. (Cl. 265—61.)



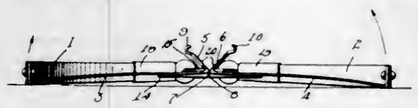
An automatic weighing scale comprising in combination a scale pan, a lever upon which the scale pan is mounted, a connecting rod, a weighbeam connected to said lever by said connecting rod, a rod mounted in said weighbeam, a pendulum weight adjustably mounted on said rod, a second pendulum weight mounted vertically below aforesaid pendulum weight, a screw threaded rod on which said second pendulum is adjustably mounted, a knife-edge mounting for the second pendulum weight, a weight indicator connected to the second pendulum weight mechanism, and knife-edged plates and stays connecting the pendulous weighbeam with the second pendulum weight, for the purpose herein set forth.

1,461,742. CONCRETE INSERT. CHARLES C. TOMKINSON, Plainfield, N. J., assignor to J. Edward Ogden, Mountainville, N. Y. Filed Jan. 27, 1921. Serial No. 440,354. 7 Claims. (Cl. 72—105.)



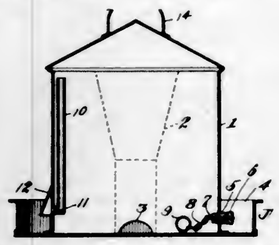
1. A sheet metal concrete insert comprising a pair of stampings secured together and forming a box adapted to house an anchor and having walls for supporting an anchor, a roof surmounting the box, webs extending from the ridge of the roof and flanges on the webs.

1,461,743. TRAP. LORENZ C. ACCOLA, Canton, Mo. Filed July 24, 1922. Serial No. 577,114. 4 Claims. (Cl. 43—88.)



4. A trap comprising two spring jaws pivotally secured to each other at their ends, integral arms carried by said jaws and adapted to abut each other to hold said jaws in opened position, a plate for holding said arms in opened position, said plate being adapted to release said arms when moved downwardly, whereby said jaws will move into engagement with each other, and integral portions carried by said arms and adapted to lock with each other when said jaws are in closed position.

1,461,744. AUTOMATIC STOCK FOUNTAIN. JOSEPH H. ARTMAN, Laurel, Nebr. Filed May 22, 1920. Serial No. 383,449. 1 Claim. (Cl. 119—77.)

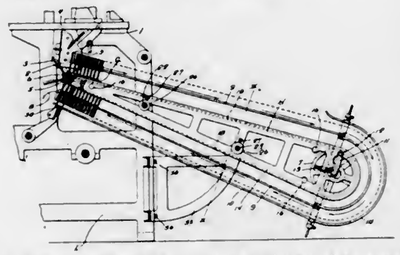


As a new article of manufacture, a drinking fountain comprising a tank having a closed top, a drinking trough located at the bottom of the tank, said tank provided with an outlet-opening into said trough, a vertical air tube having its upper end opening into said tank and its lower end opening into said trough, and a protecting hood secured to the side of said tank and overhanging the lower end of said tube below the top of the trough, said hood being open at its lower end only and adapted to be closed when liquid rises in the trough.

1,461,745. PROCESS OF PURIFYING ANTHRAQUINONE AND ITS DERIVATIVES. FREDERICK WILLIAM ATACK, Charleston, W. Va. Filed July 19, 1922. Serial No. 576,126. 5 Claims. (Cl. 260—57.)

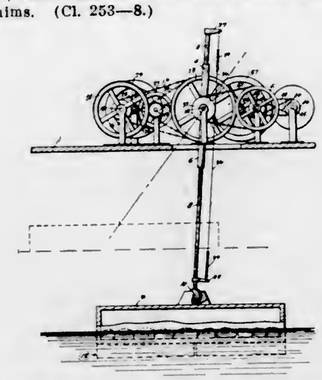
5. The process of purifying crude dry anthraquinone which comprises re-crystallizing the same from a phenol-water mixture approximating phenol-monohydrate in composition and remaining a homogeneous liquid at ordinary temperature.

1,461,746. REMOVABLE DRYING-CHAIN MECHANISM FOR ENVELOPE-MAKING MACHINES. ADDISON E. AUGUSTINE, Hackensack, N. J., assignor to Chester Machine Co. Inc., New York, N. Y., a Corporation of New York. Filed Feb. 24, 1920. Serial No. 360,966. 3 Claims. (Cl. 198—134.)



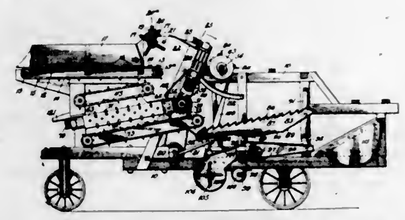
1. The combination with the main frame of an envelope making machine having a chain driving roller mounted thereon, of a detachable drying mechanism for the newly gummed envelopes, said drying mechanism comprising a supporting frame, an endless envelope conveying chain adapted to engage and to be driven by said drive roller, the supporting frame having guideways along which said chain travels and by which the chain is guided directly to and away from said drive roller, and said supporting frame extending longitudinally toward said drive roller but terminating short thereof and being detachable without affecting the drive roller.

1,461,747. WAVE MOTOR. CLARENCE E. BOONE, Long Beach, Calif. Filed Dec. 22, 1920. Serial No. 432,561. 5 Claims. (Cl. 253—8.)



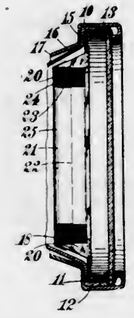
1. A wave motor comprising a member actuated by the waves, a shaft rotatably mounted, a radially extending sleeve fixed to said shaft, a rod slidably mounted in said sleeve so as to be reciprocated therein, and connected to said member for imparting oscillating motion to said shaft from the oscillating movement of said member.

1,461,748. CORN HUSKER. OLIVER BOYER, Spencerville, Ohio. Filed Apr. 29, 1920. Serial No. 377,547. 9 Claims. (Cl. 130—5.)



1. In a corn husker, a plurality of snapping rolls, each roll having a plurality of longitudinal grooves, each groove comprising a relatively wide portion and a relatively narrow portion.

1,461,749. GLARE-PREVENTING DEVICE FOR LAMPS. FRANK BURBIDGE, Marston, near Northwich, England. Filed Nov. 2, 1921. Serial No. 512,347. 1 Claim. (Cl. 240—48.4.)

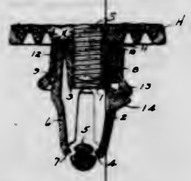


In an anti-glare device for vehicle lamps having a forwardly presented and circumferentially extending face situated behind the glass of the lamp, the combination of two vertical plates spaced apart and extending rearwardly from the plane of said face so as to project edgewise into the lamp, a series of horizontally disposed and closely spaced parallel strips of thin material mounted upon said vertical plates, said plates being interlocked with said strips by means of slots in the plates interengaging with cooperating slots in the strips and retaining wires attached to the top and bottom of said vertical plates and extending down the rear edges of said strips so as to retain them in position upon said vertical plates, and two oppositely disposed flat arcuate attachment members of thin strip material connected to said vertical plates at the opposite ends thereof so as to extend only partially around and be secured to the said forwardly presented face of the lamp, substantially as described.

1,461,750. CONDUCTOR SUPPORT. HOMER P. CHANDLER, Mansfield, Ohio, assignor to The Ohio Brass Company, Mansfield, Ohio, a Corporation of New Jersey. Filed Sept. 5, 1922. Serial No. 586,186. 15 Claims. (Cl. 191—43.)

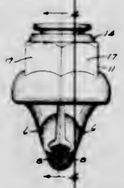
1. The combination with a support of a conductor clamp comprising a jaw member detachably secured to

the support and having means to engage the conductor, a second jaw member having means to engage the conductor opposite to that of the first jaw, means on the second jaw movable relative thereto, means on the first jaw to be engaged by the means on the second jaw where-



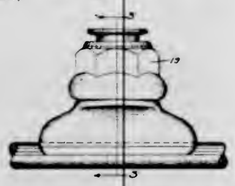
by the second jaw will be raised into a fulcrum engagement with the support and the conductor engaging means moved into clamping engagement with the conductor when the relative movable means on the second jaw is moved relative thereto.

1,461,751. CONDUCTOR SUPPORT. HOMER P. CHANDLER, Mansfield, Ohio, assignor to The Ohio Brass Company, Mansfield, Ohio, a Corporation of New Jersey. Filed Nov. 27, 1922. Serial No. 603,449. 10 Claims. (Cl. 191—43.)



1. A trolley wire clamp comprising a support provided with means for attachment to a hanger, a pair of jaws having a pivotal engagement with the support, each jaw having projections and rotatable means on the support to engage the projections at a point below the pivotal engagement of the jaws and support to move the jaws into engagement with a trolley wire.

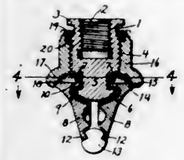
1,461,752. CONDUCTOR SUPPORT. HOMER P. CHANDLER, Mansfield, Ohio, assignor to The Ohio Brass Company, Mansfield, Ohio, a Corporation of New Jersey. Filed Nov. 29, 1922. Serial No. 603,947. 25 Claims. (Cl. 191—43.)



25. A conductor clamp comprising in combination means to grip a conductor, means to secure the gripping means to a support and means to open the gripping means to receive the conductor.

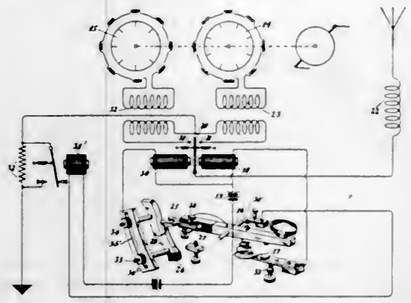
1,461,753. CONDUCTOR HOLDER. HOMER P. CHANDLER, Mansfield, Ohio, assignor to The Ohio Brass Company, Mansfield, Ohio, a Corporation of New Jersey. Filed Jan. 27, 1923. Serial No. 615,266. 23 Claims. (Cl. 191—43.)

1. A conductor holder comprising a supporting member having means to secure the member to a hanger, a pair of jaws rotatively mounted on the member and movable towards each other to grip a conductor, means on the jaws to engage means on the supporting member



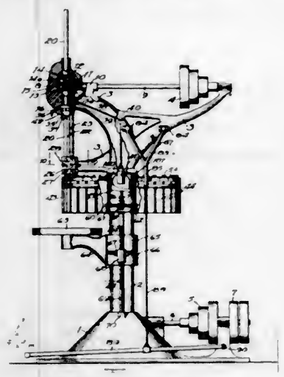
to limit the amount of relative rotation, and means on the supporting member to engage the jaws and move them into engagement with the conductor.

1,461,754. TRANSMITTING AND RECEIVING APPARATUS FOR WIRELESS TELEGRAPHY. GEORGE H. CLARK, Brooklyn, N. Y., assignor to Radio Corporation of America, a Corporation of Delaware. Filed Mar. 3, 1921. Serial No. 449,394. 7 Claims. (Cl. 250—8.)



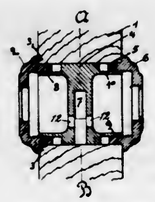
1. The method of causing the sudden termination of radio signaling oscillations which consists in inducing oscillations of opposite phase in the receiving circuit to oppose the continuation of oscillations due to the stored energy in the receiving circuit.

1,461,755. AUTOMATIC DRILL PRESS. CHARLES E. COX, Freeport, Ill. Filed July 19, 1920. Serial No. 397,252. 9 Claims. (Cl. 77—25.)



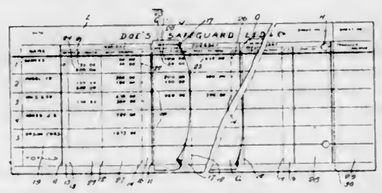
1. In a drill press, a frame, a driving spindle carried thereby, a magazine comprising an endless belt of tool-holding sleeves hinged together, means for moving the belt to bring any of the sleeves into registration with the driving spindle, and means for raising and lowering said magazine through the movement of the endless belt.

1,461,756. MORTISE LOCK. JOHANNES CRONING, Hamburg, Germany. Filed July 26, 1920. Serial No. 399,188. 3 Claims. (Cl. 70—16.) (Granted under the provisions of the act of Mar. 3, 1921, 41 Stat. L., 1313.)



1. A mortise lock consisting of a cylindrical lock casing having pockets and threaded ends, screw flanges engaging said threaded ends for compensating for different door thickness, said flanges closing said pockets, a cylindrical bolt tube of smaller diameter than said casing and screwed thereto at right angles, and means to secure one of the flanges in adjusted position.

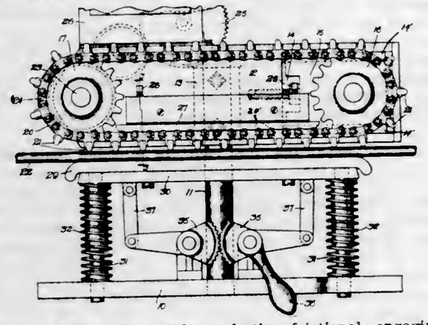
1,461,757. ACCOUNTING SHEET. FREDERICK W. GROBY, River Edge, N. J. Filed Nov. 26, 1918. Serial No. 264,169. 7 Claims. (Cl. 283—66.)



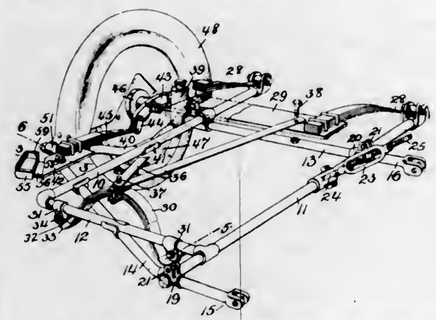
1. A safe guard ledger sheet comprising a sheet, suitable ruling and captions dividing the sheet into a plurality of sections, means dividing each section into a plurality of columns, said ruling also providing a further column at one side of said sections, said ruling also including a plurality of horizontal lines dividing all of said columns vertically into a plurality of separated spaces, a plurality of detachable "pick-up" strips associated one with each of certain of said sections, said sheet having a binder portion at one side thereof by which the sheet may be bound within a suitable binder, and said ruling defining a "pick-up" column within said binder portion, together with a detachable strip beyond said binder portion, all for use substantially in the manner set forth.

1,461,758. CABLE-MEASURING DEVICE. WILLIAM F. HOSFORD, Oak Park, Ill., assignor to Western Electric Company, Incorporated, New York, N. Y., a Corporation of New York. Filed Feb. 1, 1919. Serial No. 274,560. 5 Claims. (Cl. 33—134.)

1. In a device for measuring cable, an endless movable member, rotatable elements supporting and driven by said endless movable member, means carried by said endless movable member for frictionally engaging the cable, a spring supported guide over which the cable travels, means for moving said guide into and out of contact with the cable, adjustable means cooperating with the endless movable member for varying the pressure between the cable and the frictional engaging means on the movable member, and registering means driven by one of said rotatable elements.

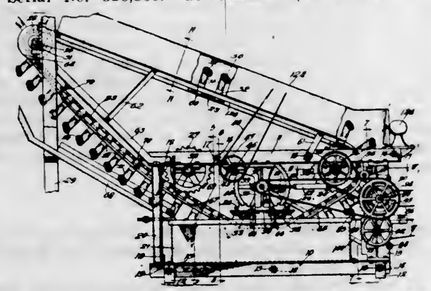


1,461,759. SIDE CAR FOR MOTOR CYCLES. JOHN O. JOHNSTON, Newark, N. J. Filed Jan. 14, 1922. Serial No. 529,109. 8 Claims. (Cl. 208—45.)



1. A frame for motorcycle side cars comprising side bars, a front bar, a rear bar, one side bar having a front extension thereon, a tie-bar extending from said extension obliquely to the rear, and a connection between the end of the tie-bar and the rear bar for supporting a wheel.

1,461,760. APPARATUS FOR MOISTUREPROOFING PACKAGES. LOUIS MORINSKY, New York, N. Y., assignor, by mesne assignments, to The Cracker Jack Co., a Corporation of Illinois. Filed Sept. 25, 1919. Serial No. 326,866. 28 Claims. (Cl. 91—46.)



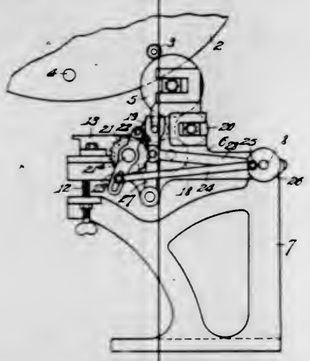
1. In an apparatus for moisture-proofing elongated, rectangular, filled packages, the combination with a tank

for moisture-proofing material, of devices for passing the packages through the material comprising an endless, flexible carrier having laterally projecting grippers arranged to engage the opposite ends of the packages, means for opening and closing said grippers to receive and discharge the packages, and means for guiding said carrier and said grippers arranged to effect the draining of the elongated, rectangular packages with the lengthwise edges thereof slightly inclined to the horizontal and with one such edge lower than the others.

12. An apparatus for moisture proofing packages, comprising a tank, a carrier having outwardly projecting pairs of package engaging grippers thereon, means for intermittently advancing said carrier to move the packages through the material in said tank, means at one portion of the path of movement of said grippers for shifting the same relatively to said carrier to thereby open the grippers for discharging and receiving packages, and means for feeding packages to the opened grippers.

25. In an apparatus for moisture proofing filled packages, a tank, a carrier having package holders for moving the packages through the material in said tank, each of said holders comprising a pair of plates between which the packages grip, said plates being free to oscillate to a limited extent in different directions, whereby they will bear squarely upon opposite faces of the package.

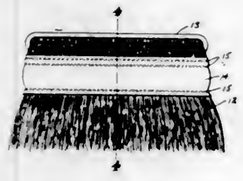
1,461,761. COLLAPSIBLE-TUBE-COATING MECHANISM FOR TUBE-PRINTING MACHINES. ARCHIBALD W. PAULL and ALONZO L. EDWARDS, Wheeling, W. Va., assignors to Wheeling Stamping Company, Wheeling, W. Va., a Corporation of West Virginia. Filed Aug. 4, 1922. Serial No. 579,633. 6 Claims. (Cl. 91—16.)



1. In mechanism for coating collapsible metal tubes, the combination with the printing roll and the rotating carrier-disk of a tube-printing machine, said disk having tube-carrying spindles on a face thereof, of a coating roll located adjacent to the path of travel of said spindles and adapted to be engaged by the peripheries of the tubes as the latter are advanced following contact with said printing roll, a reservoir for the coating material, and means intermediate said reservoir and said coating roll whereby material from the former is transferred to the latter.

1,461,762. MOP. FREDERICK W. PENDERGAST, Cambridge, Mass. Filed May 29, 1922. Serial No. 564,309. 1 Claim. (Cl. 15—229.)

A mop composed of a bunch of filaments laid side by side, an endless metal reinforcing loop member composed of substantially parallel side portions and neck portions connecting the side portions, the filaments being threaded through the loop member, confined between the neck portions thereof, and bent across one of the side portions, so that the free ends of the filaments depend in two series from said side portion, and means connecting the depending portions at one side of the loop member with those at the opposite side, said loop member, the connecting means and the filament portions associated therewith, constituting a reenforced shank, adapted to be clamped between mop head jaws, and stiffened by the loop member, so that the ends of the shank may project operatively in opposite directions from the clamping jaws.

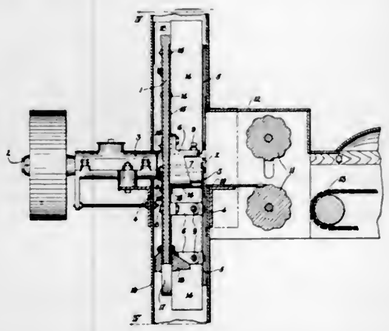


1,461,763. SAW JOINTER. FRANK A. RAPPLEYE, Silver Creek, N. Y., assignor to Allen & Co. Inc., New Haven, Conn., a Corporation. Filed Mar. 2, 1922. Serial No. 540,466. 1 Claim. (Cl. 76—47.)



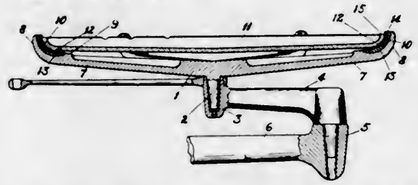
A saw jointer formed from a single strip of spring sheet metal, the central portion of which is longitudinally-slotted and bowed, the ends of the strip formed with triangular openings and with slots entering the ends of the strip and intersecting the said openings.

1,461,764. ENSILAGE CUTTER. EMMOR W. SILVER, Salem, Ohio, assignor to The Silver Manufacturing Company, Salem, Ohio, a Corporation. Filed Nov. 16, 1921. Serial No. 515,486. 3 Claims. (Cl. 146—112.)



1. An ensilage cutter or the like including a wheel, a cutting blade on the side face of the wheel at an interval therefrom and an outwardly flanged deflecting plate secured to the wheel and directly between the blade and the wheel in rear of the cutting edge of the blade.

1,461,765. DENTAL TRAY. HENRY E. WEBER, Canton, Ohio. Filed May 11, 1921. Serial No. 468,610. 1 Claim. (Cl. 248—20.)



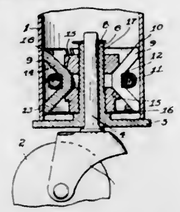
A bracket for dental trays and the like, having a plurality of upwardly curved radial resilient ribs partially countersunk in the bracket for bearing and clamping around the rim portion of the tray.

1,461,766. TIRE. ANDREW J. WIEGAND, Baltimore, Md. Filed Dec. 15, 1916. Serial No. 137,174. 10 Claims. (Cl. 152—1.)



1. A cushion tire having an annular channel extending from its inner edge, a closure ring for said edge, said channel having walls inclining to the inner surface of said ring, and a pair of annular ribs projecting toward said ring, the outer walls of said ribs being adapted to seat against said first walls.

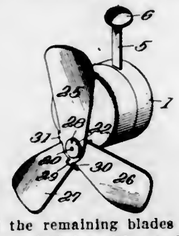
1,461,767. EXPANSIBLE COUPLING MEMBER. EWALD W. WEYRAUCH, Rochester, N. Y. Filed Jan. 12, 1922. Serial No. 528,733. 6 Claims. (Cl. 16—39.)



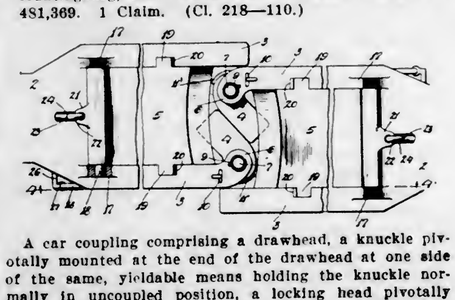
1. An expansible coupling member comprising a socket cover plate, a post rigid with and extending centrally from said cover plate, gripping devices surrounding said post adapted to cooperate with the walls of the socket and spreading means for said gripping device operated by the turning of the cover plate and the post.

1,461,768. HAND-OPERATED TOILET FAN. EDWARD W. WISCH and WALTER J. WISCH, Baltimore, Md., assignors to themselves, Sidney C. Vincent, and Frederick C. Volkman, both of Baltimore, Md. Filed May 11, 1921. Serial No. 468,466. 5 Claims. (Cl. 230—33.)

1. In a fan of the character described, the combination with a fan shaft, and means for driving said shaft, a series of fan blades carried by the shaft, one of the blades having positive connection with the shaft, and a plurality of means carried by the positively connected blade adapted to cooperate with the remaining blades whereby each of the remaining blades is forced by said means to open or unfolded position and carried with the fixed blade upon the rotation of the fan shaft.

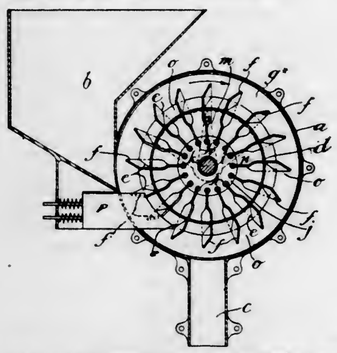


1,461,769. CAR COUPLING. JOHN H. EGGERS, Jr., Huntingburg, Ind. Filed June 29, 1921. Serial No. 481,369. 1 Claim. (Cl. 218—110.)



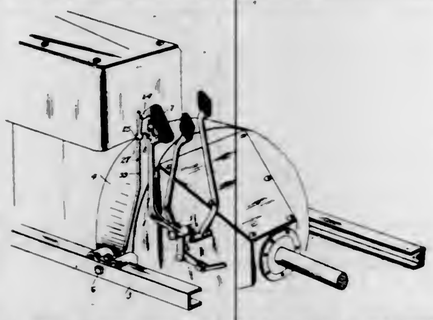
A car coupling comprising a drawhead, a knuckle pivotally mounted at the end of the drawhead at one side of the same, yieldable means holding the knuckle normally in uncoupled position, a locking head pivotally mounted upon the drawhead at the rear of the knuckle and normally supported by the drawhead in the path of an opposed knuckle, a rock shaft mounted on the under side of the drawhead, connections between said rock shaft and the locking head, and connections between the said rock shaft and the knuckle whereby inward movement of the knuckle will raise the locking head to permit the coupling operation.

1,461,770. SEED-SOWING MACHINE. THOMAS CHARLES ELLIS, ALFRED JEFFERY, and HARRY MADDOCKS, Peterborough, England. Filed July 6, 1922. Serial No. 573,157. 3 Claims. (Cl. 221—135.)



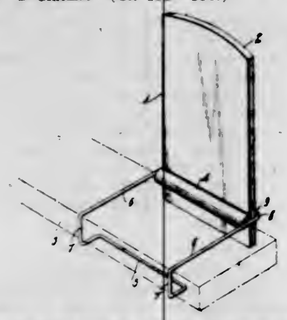
1. A seed sowing device including a casing comprising side plates, a hollow frusto-conical drum having peripheral slots arranged between said plates, and a series of pallets slidably adjustable through said slots to form adjustable pockets for the reception of the seed to be sown.

1,461,771. CLUTCH-PEDAL ATTACHMENT. EDGAR S. ENGLE, Greensburg, Pa. Filed Oct. 21, 1920. Serial No. 418,358. 10 Claims. (Cl. 74—81.)



1. In a locking device for clutch pedals of the class described, an oscillatory foot actuated member associated with the clutch pedal, a clutch member upstanding in advance of the clutch pedal and pivotally movable in consonance therewith, and a clutch member associated with the said foot actuated member and coacting with the first mentioned clutch member.

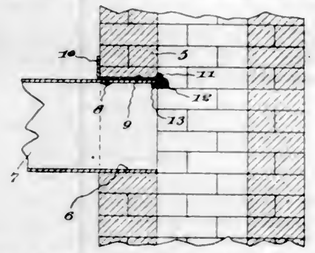
1,461,772. SEAT BACK. WELLINGTON G. FULLER, Aberdeen, S. Dak., assignor of one-half to Stuart C. Searle, Aberdeen, S. Dak. Filed Apr. 3, 1922. Serial No. 549,047. 2 Claims. (Cl. 155—133.)



1. A readily detachable seat back comprising a substantially U-shaped seat engaging member, the parallel legs of which, when in operative position, are adapted to engage the upper surface of a seat member, said legs being provided with angularly disposed portions adapted to intimately engage the front edge of the seat member, said angularly disposed portions being connected by a horizontally disposed member adapted to intimately engage the under surface of the seat member; a back member pivotally secured to the free ends of said legs, a portion of said back member projecting below the pivot point and adapted to intimately engage the rear edge of said seat member, and to thereby prevent the backward tilting of said back member; and independent means comprising a cleat provided with a relatively broad flat bottom surface carried by said back member adjacent its lower end in cooperative relation to said seat member adapted to normally prevent forward tilting of said back member.

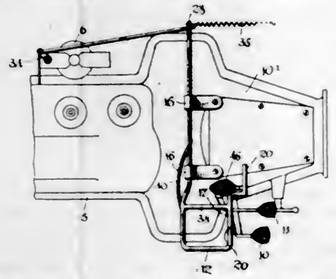
1,461,773. STOVEPIPE LOCK. THEODORE N. GOFFE, Springfield, Mo. Filed Nov. 27, 1922. Serial No. 603,636. 2 Claims. (Cl. 126—318.)

2. A stove-pipe lock comprising in combination with a stove-pipe, a metal strip secured intermediate its ends to the pipe end and projecting at one end therefrom, said strip being flexible to permit bending of its inner end outwardly of the pipe, and its projecting end into a



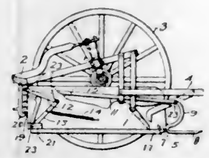
hook, and a keeper for the hook, said keeper comprising a cross-rod having a loop intermediate its ends to receive the hook.

1,461,774. ACCELERATOR. CLINT HAMMOND and WILLIAM INMAN, Boyne City, Mich., assignors of one-third to said Inman and two-thirds to Hylon J. Heaton and Sabin Hooper, Boyne City, Mich. Filed July 5, 1921. Serial No. 482,481. 11 Claims. (Cl. 74—107.)



1. An accelerator formed from a length of metal formed with a bend defining a pair of arms, one of said arms being formed with an offset defining pedal and foot-engaging portions, and attaching means associated with the other arm.

1,461,775. ATTACHMENT FOR WHEELED SCOOPS OR SCRAPERS. CENTENNIAL W. JERRY, Cumberland, Wis. Filed Oct. 17, 1921. Serial No. 508,417. 15 Claims. (Cl. 55—17.)



1. The combination, of a wheeled scoop, a finger-bar pivoted to the front end of the scoop and provided with a lever arm, a link pivotally connected to said lever arm, an angle lever pivoted to the side of the scoop, a link pivoted to one arm of the angle lever and the end of the first mentioned link, whereby the finger-bar may be caused to turn on its pivot by means of the angle lever.

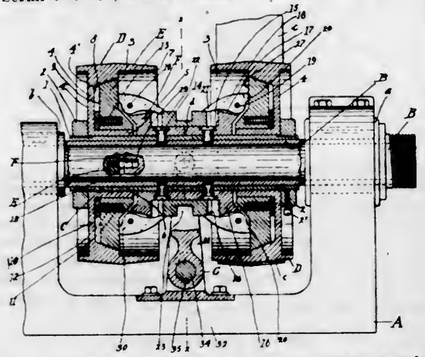
2. The combination, of a wheeled scoop having means for raising the scoop and a latch for holding it in raised position, means for gathering stones, means for preventing the scoop and stone gathering means from entering the ground, and a series of catches adapted to be engaged by the latch for controlling the operation of the device in loose ground.

6. In an attachment for wheeled scoops, a bar member, an end finger provided with a gudgeon and having a lever arm, and means for detachably securing the finger to the bar at its end.

10. In an end finger for stone-gathering attachments for wheeled scoops, the combination, of a body portion adapted to be secured to a finger-bar, a finger member, a gudgeon, and a lever arm.

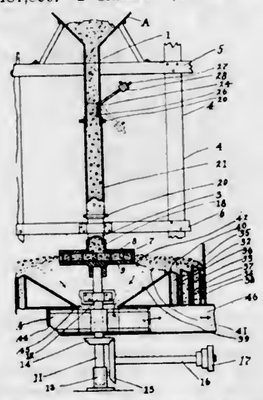
14. In a wheeled scoop the combination of, a finger-bar pivoted to the scoop and adapted to lie flat upon and be supported by the bottom of the scoop, and fingers on said bar.

1,461,776. REVERSING MECHANISM FOR LATHES. HENRY J. KIAM, St. Paul, Minn. Filed Oct. 16, 1920. Serial No. 417,293. 3 Claims. (Cl. 192—21.)



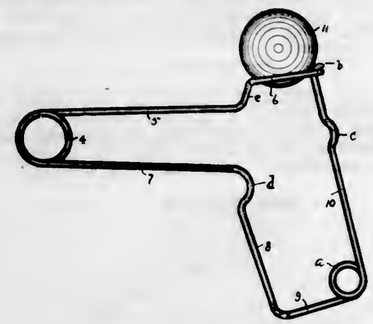
3. A reversing mechanism for lathes comprising a spindle rotatably mounted, a pair of pulleys journaled on the spindle and having opposed dished faces, a clutch member journaled on the hub of each pulley and adapted to be slid thereon to nest in the dished portion of its pulley, a spool-like housing secured on the spindle between the clutch members, a plurality of clamping levers pivoted on the end flanges of the housing for camming against the clutch members to move them to operative position, means for loosely connecting the clutch members to the housing, and a shift ring slidable on the housing for selectively engaging the respective clamping levers to render them operative.

1,461,777. CENTRIFUGAL SEPARATING MACHINE. FRITZ KOCH, St. Paul, Minn. Filed July 27, 1921. Serial No. 487,899. 2 Claims. (Cl. 83—54.)



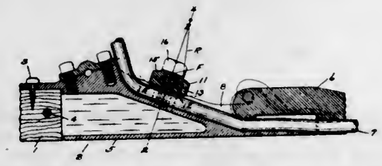
1. A separating apparatus comprising centrifugal separating mechanism, said mechanism including a hollow rotor mounted to rotate about a vertical axis and having peripheral discharge openings, a feed conduit coincident with said axis and opening in approximately air tight relation into the interior of said rotor, means for rotating the rotor to create a suction in said conduit, and a flexible conduit section, forming part of said feed conduit, the sides of said flexible section being capable of contraction responsive to the suction action of said rotor.

1,461,778. TOY PISTOL. OLIVER C. MADISON, Omaha, Nebr.; Minnie B. Madison executrix of said Oliver C. Madison, deceased. Filed Nov. 25, 1921. Serial No. 517,805. 1 Claim. (Cl. 124—12.)



In a toy pistol, a resilient strand bent between its ends to provide a coiled spring and a rectilinear projector arm having a circular loop at one terminal of the strand to form a holder for a ball, and forming a rectilinear supporting arm, and bent adjacent to and intermediate said supporting arm and its second terminal to approximately an angular form to provide a handle having an inwardly curved part adjacent to the supporting arm for use as a finger-hold and having an outwardly curved part adjacent to its sceond terminal to provide a hand-guard, said strand at its second terminal being provided with a lug adapted to engage within said loop, that part of the projector arm adjacent to the loop being bent outwardly to dispose the loop in a plane outwardly of the plane of the projector arm for limiting the arc of movement of the loop when the lug is released from said loop.

1,461,779. HOLDING DEVICE. SAMUEL S. MATTHES, Mansfield, Ohio, assignor to The Ohio Brass Company, Mansfield, Ohio, a Corporation of New Jersey. Filed May 27, 1922. Serial No. 564,169. 19 Claims. (Cl. 191—39.)



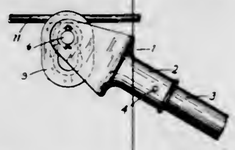
1. A holding device comprising a body member and a clamping member, holding means disposed on opposite sides of the clamping member to maintain the clamping member in position, means on the clamping member engaging means on the holding means to permit the clamping member to pivot about the point of engagement as a fulcrum and means on the holding means for adjusting the pivotal point of engagement of the clamping member towards or away from the body member.

1,461,780. SUPPORT FOR ELECTRIC CONDUCTORS. SAMUEL S. MATTHES, Mansfield, Ohio, assignor to The Ohio Brass Company, Mansfield, Ohio, a Corporation of New Jersey. Filed Nov. 23, 1922. Serial No. 602,907. 16 Claims. (Cl. 191—36.)



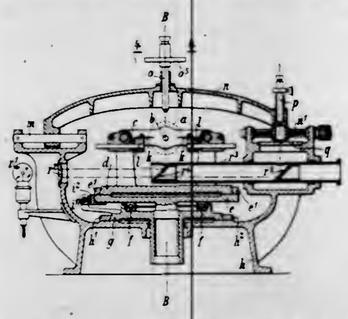
1. The combination of an elongated insulating member, means to secure a conductor to each end of the member permitting the conductor to pass along one edge in longitudinal relation thereto, means to secure a conductor to an opposite edge in transverse relation thereto and an elongated slot extending through said member and substantially along its longitudinal neutral axis between said conductors.

1,461,781. CURRENT COLLECTOR AND SLEET REMOVER. SAMUEL S. MATTHES, Mansfield, Ohio, assignor to The Ohio Brass Company, Mansfield, Ohio, a Corporation of New Jersey. Filed Mar. 26, 1923. Serial No. 627,603. 16 Claims. (Cl. 191—59.1.)



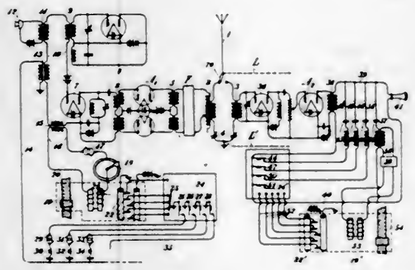
5. An article of manufacture comprising a support and a member mounted thereon to rotate relative thereto and to engage a conductor and to rotate relative thereto, the rotation of the member relative to the conductor comprising alternate periods of rotation and rest as the support moves longitudinally to the conductor in the same direction.

1,461,782. APPARATUS FOR TESTING BOLT THREADS. FRANZ MEYER, Jena, Germany, assignor to the Firm of Carl Zeiss, Jena, Germany. Filed Aug. 8, 1921. Serial No. 490,736. 1 Claim. (Cl. 88—14.)



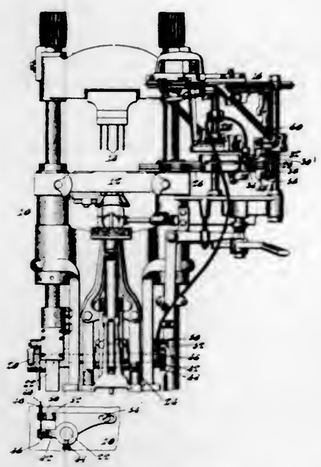
In an apparatus for testing bolt threads a microscope, containing in the focal plane of its ocular a linear mark rotatable about the axis of the microscope, means for supporting the screw bolt with relation to the microscope, other means for displacing the screw bolt and the said microscope relatively to each other in a plane perpendicular to the axis of the said microscope, two knife-edges and means for supporting the said knife-edges with relation to the said bolt, these means being adapted to hold the knife-edges independently of each other in the plane containing the bolt axis and perpendicular to the microscope axis against two thread flanks of the bolt.

1,461,783. SECRET-COMMUNICATION SYSTEM. RALZEMOND D. PARKER and BAXTER P. HAMILTON, Brooklyn, N. Y., assignors to American Telephone and Telegraph Company, a Corporation of New York. Filed Dec. 27, 1919. Serial No. 347,770. 9 Claims. (Cl. 179—1.)



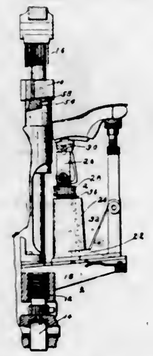
1. A telephone transmission system including a sending station and a receiving station, means at said sending station for intermittently superimposing on the telephone current a distorting current, a normally inoperative shunt across the telephone circuit at said receiving station tuned to be resonant to the frequency of said distorting current, and means for rendering said shunt operative whenever said distorting current is superimposed on said telephone current.

1,461,784. NAIL-TRANSFERRING MECHANISM. JOSEPH H. POPE, Hamilton, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J., a Corporation of New Jersey. Filed Oct. 2, 1919. Serial No. 327,967. 14 Claims. (Cl. 1—36.)



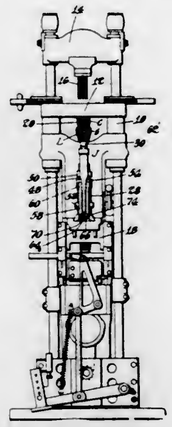
1. In a machine of the class described, controllable actuating mechanism for the machine, nail-receiving means, mechanism for transferring nails to the receiving means, means controlled with the actuating mechanism for controlling the transferring mechanism, and means acting upon said controlling means for independently governing the transferring mechanism.

1,461,785. WORK SUPPORT. JOSEPH H. POPE, Hamilton, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J., a Corporation of New Jersey. Filed Nov. 24, 1919. Serial No. 340,116. 17 Claims. (Cl. 12—127.)



1. In a machine of the class described, the combination of a shoe support, a guide in which said shoes support is normally freely movable substantially horizontally in a right line, and means acting upon the guiding surface to lock the support against movement at a predetermined period in the operation of the machine.

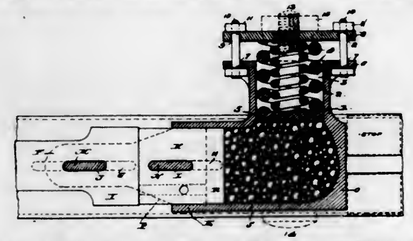
1,461,786. JACK. JOSEPH H. POPE, Hamilton, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J., a Corporation of New Jersey. Filed Oct. 4, 1920. Serial No. 414,501. 17 Claims. (Cl. 1—19.)



1. The combination with operating mechanism and a carrier for a shoe-portion of a support co-operating therewith, a jack mounted for movement on the support toward and from the operating mechanism and carrier, and movement limiting means for the jack, said means co-operating with the support and being variable in position, and a movable member co-operating with the movement-limiting means to vary its position.

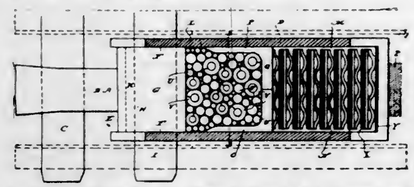
1,461,787. KINETIC-ENERGY-TRANSFORMING MEANS FOR CARS. FRANK E. STEBBINS, Washington, D. C. Filed Mar. 16, 1920. Serial No. 366,380. 73 Claims. (Cl. 213—22.)

1. A friction draft or buffing apparatus comprising a hollow metallic casing or housing and a follower or plunger forming an inclosed space or chamber, one of said parts being slidable relative to the other under impact, and a mobile mass of bodies having frictional contact with one another within the chamber, said mass being adapted to transmit part of the kinetic energy of



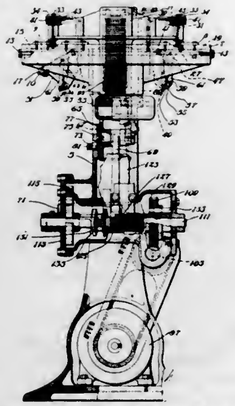
the impact to the inner area of the casing defining the chamber; said apparatus being so constructed and the parts combined that the inclosed space or chamber is variable in shape under variations of pressure to permit corresponding change of shape of the mobile mass under such variations of pressure.

1,461,788. KINETIC-ENERGY-TRANSFORMING MEANS FOR CARS, BUMPERS, ETC. FRANK E. STEBBINS, Washington, D. C. Filed Mar. 20, 1920. Serial No. 367,482. 31 Claims. (Cl. 213—31.)



1. A friction draft or buffing apparatus comprising a housing structure, a plurality of friction bodies some being of greater length than thickness assembled to form a mobile mass located within said structure, and means whereby said friction bodies are allowed a relative movement under load or impact.

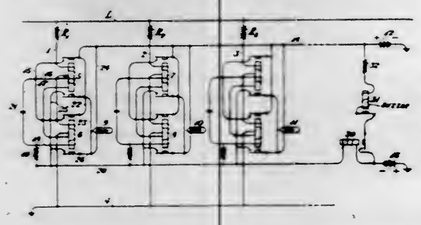
1,461,789. BLANK-SORTING MACHINE. WILLIAM C. STEWART, Swampscott, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J., a Corporation of New Jersey. Filed Dec. 27, 1921. Serial No. 525,053. 34 Claims. (Cl. 83—92.)



1. A machine of the class described, having in combination, a support for a blank normally in position to

sustain the blank and movable into a position in which it ceases to sustain the blank to permit the blank to be discharged from it, and means controlled by the extent a dimension of the blank for moving the support into the last-named position, said means including a presser, and means for causing it to be pressed against the blank.

1,461,790. MAXIMUM-VOLTAGE INDICATOR. MORTON SULTZER, Brooklyn, N. Y., assignor to American Telephone and Telegraph Company, a Corporation of New York. Filed May 31, 1919. Serial No. 301,002. 5 Claims. (Cl. 177—351.)



5. A voltage indicating device for a transmission line including a plurality of individual relay units, means for connecting said relay units in parallel with the transmission line, each of said connecting means including a resistance element of different value whereby each of said relay units will be responsive to potentials of different magnitudes impressed on said line, and signaling means common to all of said units and controlled by either one of said units.

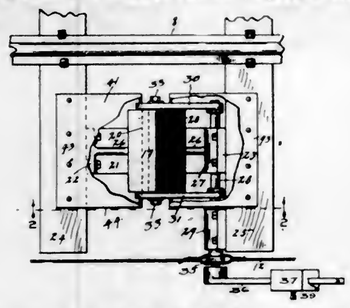
1,461,791. DRILL. FRANK W. ZIMMERMAN, Amarillo, Tex. Filed Sept. 7, 1921. Serial No. 499,121. 1 Claim. (Cl. 255—73.)



In a drill, a body portion formed with grooves in the opposed side faces thereof, a reamer formed integral with the body and disposed adjacent to one end thereof, the reamer being formed eccentrically with respect to the body portion, the cutting edge of the reamer being spirally formed and merging with the walls of one of the grooves of the body.

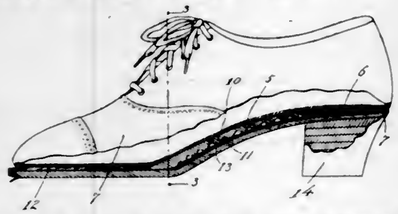
1,461,792. TRACK DEVICE FOR AUTOMATIC TRAIN CONTROL. WILLIAM M. BECK, Elwood, Ind. Filed Mar. 12, 1923. Serial No. 624,321. 9 Claims. (Cl. 246—351.)

1. In a device for the purposes specified, a head to contact with a train-member, a rock-shaft having one or more arms, means comprising a pivot for each arm connecting same with the head, manually operated means for



rocking the shaft to move the head into the path of the train-member and adjustable means for varying the projection of the head into the path of the train-device.

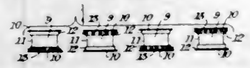
1,461,793. SHOE. HENRY B. BOHR, Cincinnati, Ohio, assignor to The Julian & Kokenge Company, Cincinnati, Ohio, a Corporation of Ohio. Filed Feb. 11, 1921. Serial No. 444,242. 2 Claims. (Cl. 36—71.)



1. In a shoe, an insole shaped to provide a support for the structure of the foot intermediate the normal tread portions thereof, an outsole, and a filler between the outsole and the insole having a non-resilient metallic portion, and a resilient portion lying between the outsole and the insole.

2. In a shoe, an insole shaped to provide a support for the structure of the foot intermediate the normal tread portions thereof, an outsole, and a filler between the outsole and the insole having a non-resilient metallic portion, and a resilient portion, both lying between the insole and the outsole, and the resilient portion lying at least in part between the metallic portion and the insole to serve as a cushioning pad for the said metallic portion.

1,461,794. FLUID-TREATING APPARATUS FOR FILMS. CHARLES DE MOOS, Fort Lee, N. J., assignor to Eastman Kodak Company, Rochester, N. Y., a Corporation of New York. Filed Feb. 3, 1922. Serial No. 533,984. 9 Claims. (Cl. 95—94.)

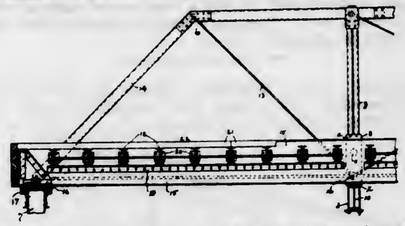


1. Apparatus for fluid treating motion picture film having sets of perforations therein, comprising treatment vessels and means for conducting said film through said vessels, said means including a series of perforation-engaging tractive members, certain of said members engaging only one set of perforations and others engaging only another set of perforations.

1,461,795. BRIDGE-REENFORCING MEANS. ROBERT Z. DRAKE, Omaha, Nebr. Filed Jan. 19, 1923. Serial No. 613,567. 7 Claims. (Cl. 14—4.)

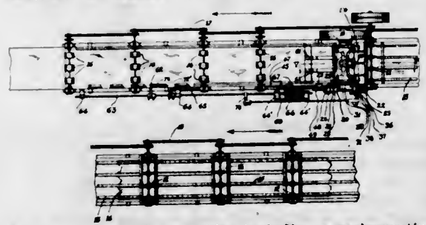
1. The combination with the truss span of a bridge, said truss span being provided with cross-beams and having

its ends disposed on ground supports, of girders mounted to permit movements independently of the truss span and provided with a floor, said girders being normally disposed



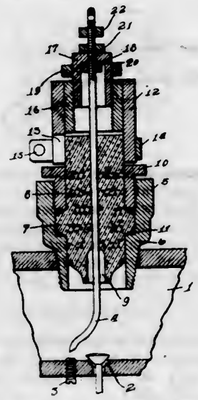
above and adjacent to the cross-beams and engaging said ground supports and adapted to be deflected downwardly into engagement with said cross-beams.

1,461,796. SHEET-TRIMMING MACHINE. CARL A. FRAHM, Canton, Ohio, assignor, by mesne assignments, to United Alloy Steel Corporation, Canton, Ohio, a Corporation of New York. Filed July 1, 1921. Serial No. 481,783. 30 Claims. (Cl. 164—49.)



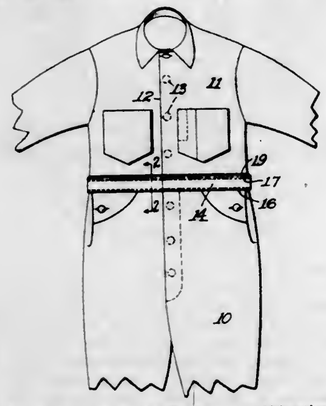
1. A sheet trimming machine including a reciprocating head with shearing edges on opposite sides, shearing dies co-operating with the shearing edges and two independently operated trip mechanisms for controlling the operation of said head.

1,461,797. SPARK PLUG. WILLIAM A. HEIDE, Detroit, Mich. Filed July 3, 1920. Serial No. 393,800. 2 Claims. (Cl. 123—169.)



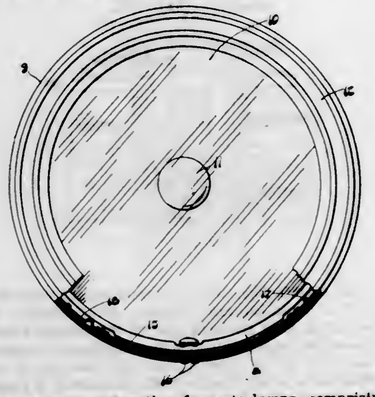
1. In a spark plug the combination with a shell and an insulating core, of an electrode, and means for adjusting the electrode longitudinally relative to the core, said means including a threaded member through which the electrode extends, means upon the electrode and within said member for holding the electrode against movement in one direction relative to the member, means upon the electrode for engaging the outer portion of said member for indicating the size of a spark gap to be produced, said member being shiftable against the gap indicating means to support the electrode at the proper point to produce the desired gap, means for locking said member in shifted position relative to the insulating core, and means for securing the electrode to the member and against relative movement after it has been adjusted to a spark gap of the desired size.

1,461,798. COMBINATION OVERALLS. ANDREW G. HILDRETH, Worcester, Mass. Filed Feb. 25, 1921. Serial No. 447,775. 1 Claim. (Cl. 2—144.)



As an article of manufacture, combination overalls comprising an upper coat section, a lower pants section, a belt portion formed of two thicknesses of material permanently enclosing and connecting the adjacent edges of said upper and lower garment sections, and closing means for said garment, said upper coat section having a portion of its material adjacent its lower edge formed as a surplus fold originally and temporarily secured to the upper edge of said belt portion by separate and additional stitching and readily releasable from folded condition to increase the effective length of the garment without disturbing the permanent connection of said belt portion to said upper and lower garment sections.

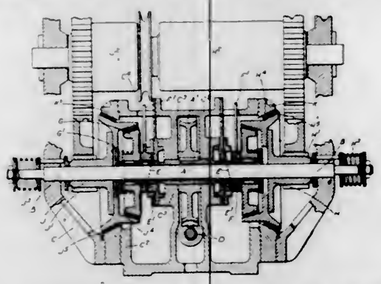
1,461,799. CLOSURE CONSTRUCTION FOR AUTO LAMPS. EUGENE A. KUEN, Cincinnati, Ohio, assignor to The Thos. J. Corcoran Lamp Co., Cincinnati, Ohio, a Corporation of Ohio. Filed Oct. 8, 1921. Serial No. 506,420. 4 Claims. (Cl. 240—41.)



1. A closure construction for auto lamps, comprising a closure rim having an annular rearwardly extending wall,

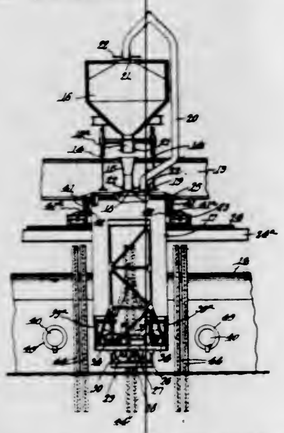
a metal strip located within the wall in annular formation, and means adapted to secure the ends of the strip to the wall and to permit discharge of moisture therethrough.

1,461,800. HOISTING AND LUFFING MECHANISM FOR CRANES. ROBERT STANLEY LEWIS, Ipswich, England, assignor of one-half to Ransomes & Rapier Limited, Ipswich, England, a Company. Filed Oct. 2, 1922. Serial No. 591,915. 5 Claims. (Cl. 192—18.)



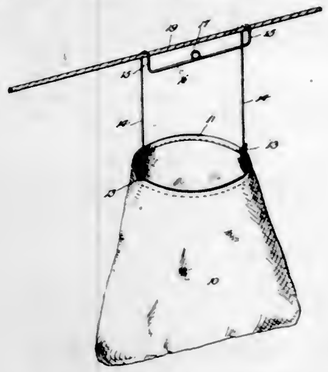
1. In hoisting and luffing mechanism for cranes the combination of a driving member, driven members coaxial therewith on either side thereof, a luffing mechanism geared to one of the driven members, a hoisting mechanism geared to the other driven member, a clutch member on each driven member, corresponding clutch members on the driving member, a brake member on each driven member, a stationary brake surface for each brake, means tending normally to apply said brakes and means for imparting axial movement to the driving clutch members so as to couple the driving and driven members and simultaneously release the corresponding brake.

1,461,801. APPARATUS FOR CHARGING REVERBERATORY FURNACES. ALEXANDER GRANT MCGREGOR, Warren, Ariz. Filed Jan. 9, 1922. Serial No. 527,987. 10 Claims. (Cl. 214—18.)



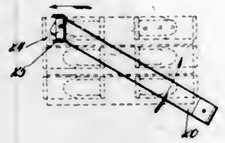
1. The combination with a reverberatory furnace the side walls of which are provided with charging holes located down near the slag line of the molten material, of a travelling charging machine comprising a hopper for the material to be entered into the furnace, a motor mounted on said machine to travel therewith, a charging member communicating at its top with the chamber of said hopper, one or more plungers working in said charging member, said connecting operating mechanism comprising a shaft operated by said motor, a second shaft geared to the motor shaft and provided with a worm, a crank shaft having a worm-wheel meshing with said worm, and one or more cranks connected with said plunger or plungers.

1,461,802. BAG HOLDER. DAVID O. MCROBERTS, Stewardson, Ill. Filed July 6, 1921. Serial No. 482,788. 1 Claim. (Cl. 83—26.)



A bag holder comprising a spreader ring to be secured in the mouth of the bag, and a hanger consisting of two parallel arms engaged at their lower ends with the spreader ring at diametrically opposite points thereof and having their upper ends forming inverted hooks to engage over a supporting line, a cross bar connecting the terminals of said hooks, and an eye in said cross bar between the hooks, said eye lying entirely below the bights of the hook.

1,461,803. BAND BRAKE. GEORGE W. MACBRIDE and GEORGE C. BONNEY, Boston, Mass., assignors to MacBride Co., Southport, Me., a Corporation of Maine. Filed Apr. 28, 1922. Serial No. 557,105. 10 Claims. (Cl. 187—249.)



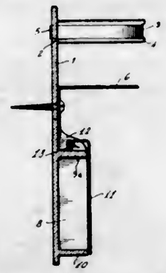
5. In combination, a brake band, a lining member for said band, and means at one end of said member engageable with said band when said member is at an angle to said band and while in such engagement permitting said member to be swung into lengthwise lapping engagement with said band, the opposite end of said member and the end of said band being formed to interfit.

1,461,804. COMBINED TOOTHBRUSH AND WATER-GLASS HOLDER. ROBERT DAVID MAYO, Cleveland, Ohio. Filed Apr. 20, 1921. Serial No. 462,834. 5 Claims. (Cl. 248—63.)

1. In a combined toothbrush and water glass holder in combination, a back plate having ribs forming a compartment adapted to receive a tooth brush, a cover for said compartment, and means comprising a shelf provided with retainer apertures for detachably securing the said back plate to a supporting member.

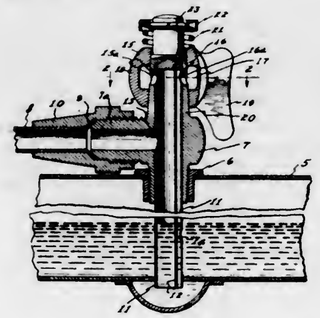
4. In a combined tooth brush and water glass holder in combination a back plate, a spring band having crimped

side edges terminating short of the end thereof, apertures in the plate having enlarged portions conforming to the



said crimped edges and adapted to receive the said spring band, and a detachable shelf connected to the back plate below the said band.

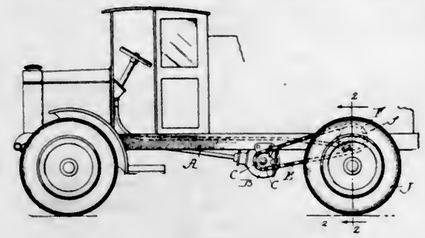
1,461,805. GASOLINE-RESERVE-SUPPLY APPARATUS. JOHN HAYWARD PARSONS, Ferndale, Mich. Filed Oct. 24, 1921. Serial No. 510,137. 9 Claims. (Cl. 158—46.5.)



1. In a device of the character described, a tank adapted to contain fuel, a feed pipe mounted therein with its lower extremity adjacent the bottom of the tank and its upper extremity projecting above the tank, the upper portion of the feed pipe having a port therein exterior of the tank, the upper portion of the feed pipe having a second port therein opening into a pipe line through which fuel is adapted to be conveyed to the engine, means for admitting air from within the tank to said first-mentioned port to break the flow of fuel through the pipe line when the fuel level falls to a predetermined plane, and means for rendering said last named means inoperative at will to resume feeding of fuel through the pipe line.

1,461,806. DRIVE CONNECTION FOR TRAVEL-INDICATING INSTRUMENTS. WILLIAM H. SCHULZE, Chicago, Ill., assignor to Stewart-Warner Speedometer Corporation, Chicago, Ill., a Corporation of Virginia. Filed July 19, 1922. Serial No. 576,112. 4 Claims. (Cl. 74—7.)

1. In a motor vehicle which has a road wheel mounted on and having its axis fixed with respect to a fixed axle, and provided with a laterally mounted concentric gear and a pinion whose journal bearing is carried by the fixed axle meshing with said gear; in combination with such fixed axle and pinion a bracket mounted on the fixed axle; a second bracket mounted on the first, adjustable thereon about, and along an axis parallel to, the road wheel axis; a housing member and co-operating means thereon and on the last mentioned bracket for removably mounting the housing member on the bracket; power-transmitting mechanism carried by said housing, comprising as one final element emerging from the



housing, a shaft provided exteriorly of the housing with means for making drive connection with the first mentioned pinion, and as the other final element projecting from the housing, a shaft adapted for coupling to a flexible shaft.

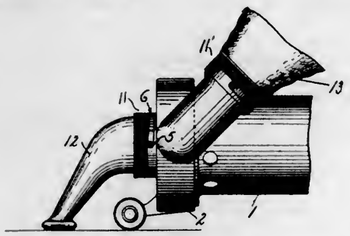
1,461,807. PROCESS OF TREATING ORES. ALBERT SILVER, Tonopah, Nev., assignor to The Merrill Company, a Corporation of California. Filed Oct. 18, 1921. Serial No. 508,588. 10 Claims. (Cl. 75—18.)

1. The process of treating ores containing matter which prematurely removes dissolved metals from solution, which consists in insulating said matter by bringing the ore in contact with a substance which destroys the power of the matter to prematurely remove the dissolved metals from solution, then, without separating said matter from the ore, subjecting the ore to a metal solvent and then separating the solution from the gangue.

1,461,808. BEVERAGE. WALTER O. SNELLING, Allentown, Pa. Filed Jan. 31, 1920. Serial No. 355,335. 6 Claims. (Cl. 99—11.)

1. The process of treating fruit juices which comprises diluting such juices, adding a sugar, and fermenting the resulting product by means of a lactic acid ferment.

1,461,809. VACUUM CLEANER. ALONZO ABNER WARNER, New Britain, Conn., assignor to Landers, Frary & Clark, New Britain, Conn., a Corporation of Connecticut. Filed Oct. 20, 1920. Serial No. 418,249. 3 Claims. (Cl. 15—9.)



1. In a vacuum cleaner comprising a casing and a removable nozzle, a tubular member projecting from the casing and provided with a recess extending radially through its wall and with radial studs, a tubular portion extending from said nozzle and entering said tubular portion upon the casing, said nozzle portion having a shoulder-forming projection extending radially therefrom and integral therewith and fitting within said recess, and a locking ring surrounding said casing por-

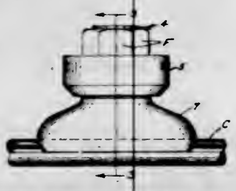
tion and having elongated slots in its periphery surrounding said studs and an interrupted flange overlapping the end of said casing tubular portion and, when said ring is in locking position, engaging the shoulder upon said radial projection so as to hold it within said recess said flange having a space permitting said projection to be inserted into and removed from said recess when said space is in alignment with said recess.

1,461,810. WRENCH. CHARLES J. WITZEL, Brooklyn, N. Y. Filed Sept. 27, 1921. Serial No. 503,513. 23 Claims. (Cl. 81—171.)



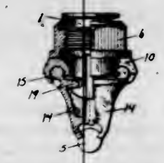
1. As an article of manufacture, a wrench comprising a pair of gripping jaws, means for operating the same, and including means shiftable relatively to said gripping jaws for rendering said operating means inoperative, and means for shifting said shiftable means.

1,461,811. CONDUCTOR SUPPORT. ARTHUR C. WOOD, Mansfield, Ohio, assignor to The Ohio Brass Company, Mansfield, Ohio, a Corporation of New Jersey. Filed Dec. 6, 1922. Serial No. 605,266. 14 Claims. (Cl. 191—43.)



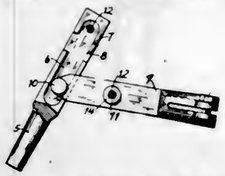
2. A conductor clamp comprising in combination a pair of jaws to grip a conductor, a supporting member to secure the clamp to a hanger, a rotatable member mounted on and supported by the supporting member, a connecting member provided with means to support the jaws in pivotal relation, and means on the connecting member coacting with means on the rotatable member to move the connecting member relative to the jaws and force the jaws into engagement with the conductors when the rotatable member is rotated.

1,461,812. CONDUCTOR SUPPORT. ARTHUR C. WOOD, Mansfield, Ohio, assignor to The Ohio Brass Company, Mansfield, Ohio, a Corporation of New Jersey. Filed Dec. 30, 1922. Serial No. 609,967. 9 Claims. (Cl. 191—43.)



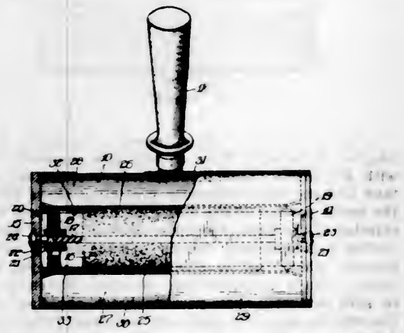
1. A conductor support comprising in combination a support member, an element slidably and non-rotatably mounted on the support member, a pair of coacting jaws pivotally secured to the said element and having engagement with the support member and operating means mounted on the support member in rotatable and longitudinally movable relation thereto and engaging the element when rotated in one direction to move the element and in turn move the jaws into engagement with the conductor.

1,461,813. SAFETY SUPPORT FOR CURRENT COLLECTORS. ARTHUR C. WOOD, Mansfield, Ohio, assignor to The Ohio Brass Company, Mansfield, Ohio, a Corporation of New Jersey. Filed Jan. 27, 1923. Serial No. 615,249. 10 Claims. (Cl. 191—64.)



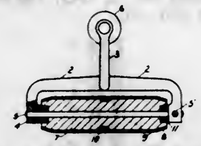
1. A support comprising a pair of inter-fitting tongued and grooved members pivotally held together and normally in alinement, the inner faces of the grooved member having oppositely disposed longitudinal channels and a cross channel, means on the tongued member to be positioned in the channel and about which the members pivot, other means on the tongued member to interlock with the channel to maintain the members in alinement and means interlocking with the members to hold the members against relative movement but to permit movement when the stress upon the members in a longitudinal direction exceeds a predetermined amount.

1,461,814. CRUMB SWEEPER. WILLIAM AISENSTEIN, Chicago, Ill., assignor to Wilmort Manufacturing Company, Chicago, Ill., a Corporation of Illinois. Filed Oct. 1, 1920. Serial No. 414,088. 2 Claims. (Cl. 15—41.)



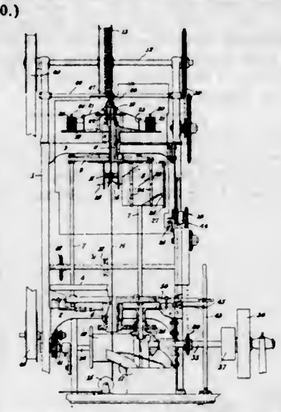
1. In combination, a crumb sweeper for picking up crumbs and the like from tablecloths and delicate fabrics, comprising a casing having side and end walls, a transverse brush opening in the bottom of the sweeper, flanges projecting upwardly from the edges of said brush opening forming crumb compartments to either side of said brush opening, a brush rotatably mounted in said opening, two traction wheels, one at each end of said brush, a shaft for said brush, the ends of said shaft being rigidly secured directly to said traction wheels, pivot members projecting through the end walls of said casing and affording bearing support for said traction wheels directly inside of said end walls, said traction wheels constituting the sole points of support in the normal operation of the sweeper whereby the sweeper may be inclined forwardly or backwardly to depress either edge of said brush opening down into contact with the tablecloth, and correspondingly raise the other edge of said brush opening above the tablecloth, the flanges at the edges of said brush opening being rigidly held against vertical movement during operation of the sweeper, and a short handle rigidly secured to said casing and projecting diagonally upwardly therefrom.

1,461,815. HAND ROLLER. RALPH B. BIRD, Oakland, Calif. Filed Jan. 18, 1922. Serial No. 530,064. 4 Claims. (Cl. 216—61.)



1. An article of manufacture, comprising, in combination, a framing and a roller, said framing composed of two pairs of arms cast integral and radiating from a common center and a shaft, one pair of said arms forming a handle, and the other pair forming a wide-mouthed gap for the reception of said roller, and the said shaft adapted to carry the roller and be supported in the extremities of the arms forming the said gap, the surface of the roller being provided with tapered ends adapted to eliminate the edge-lines of the roller when in operation.

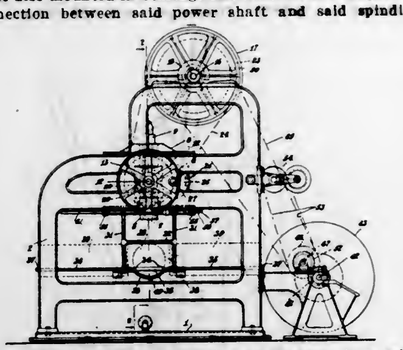
1,461,816. WIRE-COVERING MACHINE. WILLIAM E. COOK, St. George, N. Y., assignor, by mesne assignments, to The Peerless Insulated Wire and Cable Company, New York, N. Y., a Corporation of Delaware. Filed Apr. 1, 1919. Serial No. 286,735. 9 Claims. (Cl. 117—40.)



1. A wire covering machine embodying therein a rotatable support, movable about a vertical axis, wire feeding means whereby a wire is continuously fed axially of said support, a container or containers for a coil of sliver, or other material, mounted upon and rotatable with said support, the axis or axes thereon extending horizontally, means for compacting the sliver, or other material, upon the wire, means whereby binding cords or strands are applied to the compacted sliver, and actuating means for said support and said wire feeding means.

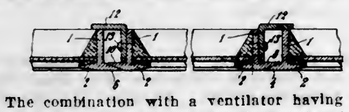
1,461,817. WIRE-COVERING MACHINE. WILLIAM E. COOK, St. George, N. Y., assignor to Peerless Insulated Wire and Cable Company, New York, N. Y., a Corporation of Delaware. Filed Nov. 29, 1921. Serial No. 518,576. 11 Claims. (Cl. 117—34.)

1. A wire covering machine embodying therein a cross frame intermediate the top and bottom of the machine having vertical bearings therein, a hollow spindle mounted in said bearings, a compacting head surmounting said spindle and including a die, the opening of which is in axial alinement with said spindle, a main power shaft also mounted in bearings in said cross frame, geared connection between said power shaft and said spindle,



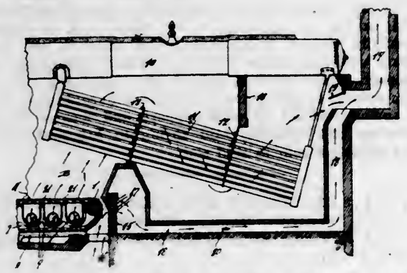
means adapted to impart continuous traverse to a wire passing through said hollow spindle, and a container carrier suspended from and rotatable with said spindle, consisting of a plurality of horizontally extending saddles adapted to receive a barrel container and engage the outer end thereof.

1,461,818. WINDOW CONSTRUCTION. ROBERT S. DRUMMOND, New York, N. Y. Filed June 20, 1919. Serial No. 305,550. 6 Claims. (Cl. 189—69.)



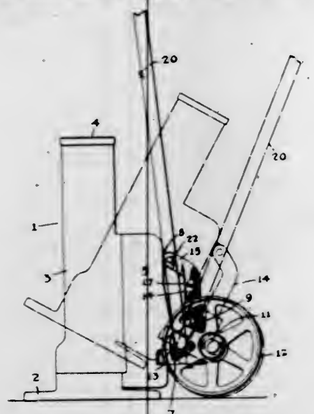
1. The combination with a ventilator having an axis of rotation, of a stationary muntin member having a weathering flange on one side of said axis and another weathering flange on the opposite side of said axis and projecting from the same part of said stationary muntin member as the first mentioned flange but disposed at an angle to said first mentioned flange.

1,461,819. FURNACE AND METHOD OF CONTROLLING THE DRAFT THEREIN. WILLIAM M. DUNCAN, Alton, Ill. Filed Dec. 16, 1920. Serial No. 431,168. 7 Claims. (Cl. 110—40.)



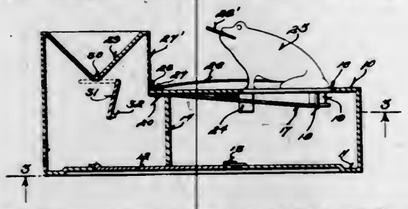
1. A furnace having a combustion chamber, a mechanical stoker comprising a traveling chain grate forming the bottom wall of said combustion chamber, said combustion chamber being provided with an outlet for products of combustion, a bridge wall located at the rear of said traveling chain grate and extending across the lower portion of the combustion chamber, said bridge wall having an outlet for the draft rising at the rear of said grate, and a draft producer including means whereby the eductive draft at the last mentioned draft outlet is caused to exceed the eductive draft in said combustion chamber.

1,461,820. WHEELING ATTACHMENT FOR LIFTING JACKS. KARL ECK, Bellevue Borough, Pa., assignor to The Duff Manufacturing Company, Pittsburgh, Pa., a Corporation of Pennsylvania. Filed Aug. 11, 1920. Serial No. 402,875. 10 Claims. (Cl. 280—53.)



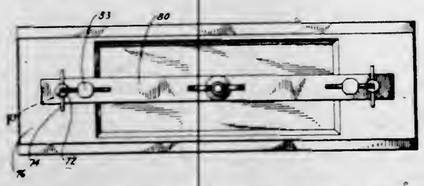
1. The combination of a lifting jack having an interlock element on its frame, a two-wheeled carriage having an interlock element above, an abutment portion below and a lower handle socket, and a handle adapted to be fastened with the interlock elements and to have its end inserted in said socket.

1,461,821. FROG BANK. NICHOLAS S. EBERHARDT and ARTHUR E. HACKETT, Milwaukee, Wis. Filed May 2, 1922. Serial No. 557,894. 2 Claims. (Cl. 46—36.)



1. The combination of a container having a slot therein, and having an opening in an upper wall, a support normally closing said opening and lying in the same plane with the upper wall, an animal resting on said support, means on said animal for retaining a coin, an arm secured to said animal and pivitod to said upper wall, a spring secured to said support and means for depressing and releasing said spring to lift said animal and deposit a coin in said slot.

1,461,822. CLAMP FOR PRODUCING MOTTLED SKEIN DYEING. HERMAN EPSTEIN, New York, N. Y. Filed July 25, 1922. Serial No. 577,283. 6 Claims. (Cl. 8—7.)



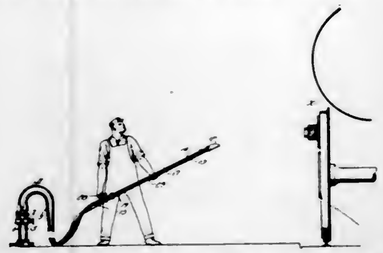
1. Skein dyeing devices comprising one or more sectional clamps having base and cover elements, each being recessed on adjacent surfaces to present chambers, means at the ends of said elements suited for inter-engagement, means for forcing said elements towards each other, and means carried by said elements to prevent moistening the portion of the skein held between said cover and base elements when subjected to immersion.

1,461,823. FOUNTAIN PEN. VICTOR GARTNER, Brooklyn, N. Y. Filed Oct. 4, 1921. Serial No. 505,317. 6 Claims. (Cl. 120—49.)



3. In a retractable fountain pen, in combination, a casing, a barrel therein, a tube slidably fitting in said barrel and having a lug extending through a helical slot in said barrel and into a longitudinal groove in said casing, said tube having an enlarged socket at its forward end, an ink feed section fitting in said socket, and a shoulder between said socket and the main length of said tube to limit the retracting movement by contact with the end of the barrel, with the lug spaced from the end of the helical slot.

1,461,824. CLEANING-PROCESS GUN. FRANK M. HILGERINK, Chicago, Ill., assignor to H. Stillson Hart and Charles F. Fitts, trustees, Chicago, Ill. Filed Nov. 10, 1919. Serial No. 336,836. 3 Claims. (Cl. 299—111.)

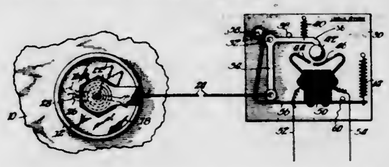


1. A cleaning process gun, comprising a nozzle, a plurality of pipes connected to said nozzle, a bracket comprising longitudinally extending side members, transversely disposed webs connected to said pipes and members and a handle secured to said members and extending transversely of said pipes above the same, and a grip adjustably mounted upon one of said pipes between said bracket and said nozzle whereby said gun may be swung about said handle as a fulcrum.

1,461,825. ELECTRIC SWITCH FOR AUTOMOBILE GASOLINE TANKS. WILLIAM S. LA LONDE, Evanston, Ill. Filed Oct. 27, 1919. Serial No. 333,643. 3 Claims. (Cl. 200—84.)

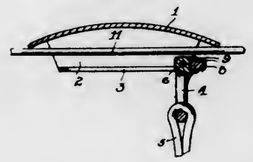
2. In mechanism of the class described, a supporting mechanism containing a pair of electric contacts spaced

apart one from the other, a switch closing means for bridging the space between said contacts, means supporting the switch closing means movable toward the



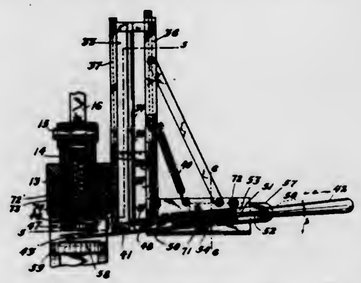
contacts and means sustaining the first mentioned supporting means to move in the general direction of and in unison with the switch closing means, for the purposes set forth.

1,461,826. BELT BUCKLE. EDWIN S. MIX, Rochester, N. Y., assignor to Hickok Manufacturing Company, Rochester, N. Y., a Corporation of New York. Filed Mar. 30, 1922. Serial No. 548,168. 1 Claim. (Cl. 24—191.)



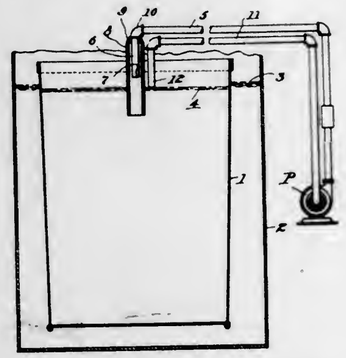
A belt buckle comprising a front plate having a rear face thereof serving as a clamping surface, a clamping member pivotally mounted in rear of the front plate and provided with a belt anchoring member for one end of the belt and formed with a groove extending longitudinally of the pivot of the clamping member, and a strap of leather mounted in the groove projecting beyond the latter and having the opposite walls of the groove deflected inwardly into binding engagement with opposite sides, the projecting portion being adapted to be deflected laterally by the belt as the clamping member is moved to clamping position and tend to straighten by the tension on the belt in order to accommodate itself to the thickness of the belt.

1,461,827. ENVELOPE MACHINE. EUGENE F. NISSEN, Alameda, Calif. Filed Mar. 3, 1920. Serial No. 363,020. 10 Claims. (Cl. 1—3.)



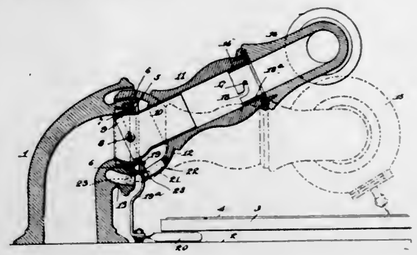
1. A device of the character described comprising an anvil, a plunger associated therewith, a cup member on said plunger, a magazine adapted to contain fasteners, an ejector adapted to be reciprocated to remove the lowermost fastener in the magazine and interpose it between the plunger and the anvil, and thereafter to be oscillated to place the fastener within the cup on the plunger.

1,461,828. PROCESS AND APPARATUS FOR MAKING ICE. LOUIS C. NORDMEYER, St. Louis, Mo. Filed Jan. 6, 1922. Serial No. 527,291. 6 Claims. (Cl. 62—172.)



1. The process of making ice from undistilled water held in a freezing can, which consists in subjecting the can to the action of a refrigerating medium, injecting a stream of water under pressure through a confined air space and into the mass of water within the can so as to entrain air with the stream of water passing into the can, and maintaining a substantially constant level of the water within the can.

1,461,829. TONE ARM. FRANK OBERST, Glendale, N. Y., assignor to Sonora Phonograph Corporation, a Corporation of New York. Filed June 12, 1919. Serial No. 303,614. 4 Claims. (Cl. 274—23.)

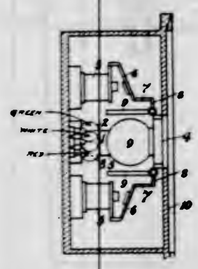


1. A tone-arm, comprising a stationary tubular post member terminating in an enlarged end having an annular spherical recess therein, a tubular movable member having an enlarged spherical cup-shaped end adapted to enter the spherical recess in the end of the post member, and a gimbal joint comprising independent members fixed in the bores of and connecting said tone-arm members at the enlarged ends thereof and concealed by the overlapping ends of said tone-arm members and permitting a horizontal and vertical swinging movement of said movable tone-arm member.

1,461,830. ELECTRICAL INDICATING DEVICE. RODOLPH STUART O'NEIL, London, England. Filed Mar. 1, 1920. Serial No. 362,417. 1 Claim. (Cl. 177—351.)

An indicator for indicating the position of a ship's helm, comprising a casing having a display opening, illuminating devices behind said opening and each of a different color, a plurality of pivoted and transparent

discs spaced around said opening and having indicia, a corresponding number of electro-magnet devices operatively connected to said discs, and switching means operatively connected to the ship's rudder and cooperating with the illuminating and electromagnet devices whereby the movement of said helm to one side of the neutral position causes one of said illuminating devices to be

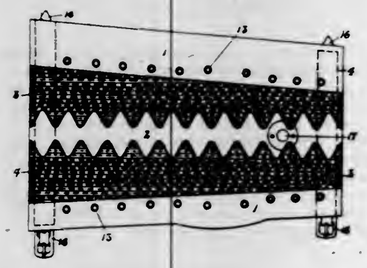


energized and movement of the helm to the other side causes another of said illuminating devices of different color to be energized, said movement also causing one or other of the magnetic devices to be energized so as to interpose the corresponding disc between the illuminating device and the display opening, said disc indicating the approximate number of degrees of movement of the helm on either side of the neutral position.

1,461,831. PROCESS OF MANUFACTURING COMPOUNDS SOLUBLE IN WATER OF DIETHYLBARBITURIC ACID AND ITS HOMOLOGUES. FRITZ QUADE, Berlin, Germany. Filed Nov. 9, 1921. Serial No. 514,077. 6 Claims. (Cl. 260—33.)

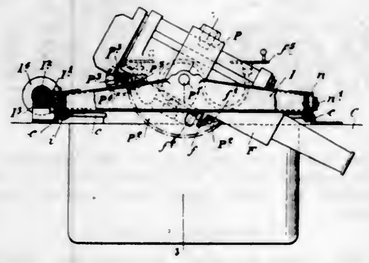
5. Process of manufacturing water soluble compounds of disubstituted barbituric acid, which process consists in digesting a solution of the diethylbarbituric acid, with the theoretical quantity of a freshly precipitated magnesium carbonate and concentrating the filtered solution by evaporation under a vacuum to dryness.

1,461,832. COVER OR GAITER FOR LAMINATED VEHICLE SPRINGS. HENRY RAMSDEN, Bradford, England. Filed Feb. 14, 1922. Serial No. 536,547. 7 Claims. (Cl. 267—37.)



1. A gaiter for laminated springs comprising a flexible body having a pair of absorbent pads secured to the inside thereof and arranged to form a longitudinal central channel coextensive of said body, the opposed inner edges of said pads being serrated so as to uniformly distribute the lubricant in the channel to the sides of the body.

1,461,833. ARMING OF AEROPLANES. JEAN JULES MARIE ANTOINE EUGÈNE SCHNEIDER, Paris, France, assignor to Schneider & Cie., Paris, France, a Limited Joint-Stock Company of France. Filed Aug. 14, 1922. Serial No. 581,835. 6 Claims. (Cl. 89—40.)



1. Means for arming aircraft comprising a turret, a rolling carriage mounted on said turret, a frame horizontally trunnioned on said carriage, a cradle vertically trunnioned on said frame, and a gun carried by said cradle.

1,461,834. DEVICE FOR INSERTING LACES UNDER SHOE UPPERS. ALBERT J. SMILEY, Philadelphia, Pa. Filed Oct. 16, 1922. Serial No. 594,834. 2 Claims. (Cl. 132—1.)

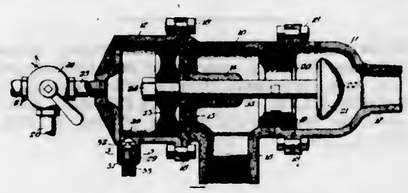


1. As an article of manufacture, a shoe lace inserting implement comprising a shank having a loop at one end, the transverse end portion of the loop having a seat or depression constructed and adapted to snugly embrace the shoe lace when the end of the latter is disposed at right angles to the loop whereby upon moving the implement in a plane parallel to the surface of the upper the lace will be forced in between the upper and the foot, said shank and loop being constructed of a single length of wire, a handle, and means pivotally connmecting the shank to the handle so that the shank may be swung into a plane parallel with the handle to lie in a folded position beside the handle and whereby said shank may be swung from said folded position to extend in a substantially aligned relation with the handle and project outwardly from the end of the latter.

1,461,835. SELF-CONTAINED BLOW-OFF VALVE. CHESTER H. STROUD, Hubbell, Mich., assignor of one-half to Neil M. Gillies, Lake Linden, Mich.; Martin Yauch administrator of said Chester H. Stroud, deceased. Filed Mar. 29, 1919. Serial No. 286,012. 3 Claims. (Cl. 137—139.)

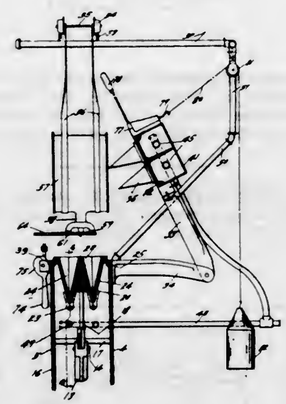
1. A blow-off valve having a casing provided with an internal valve seat, a piston controlled valve movable entirely within said casing to and from said seat and

having an enlarged rounded head, said casing including a forward portion around the valve having a reduced



extension and from the wall of which the valve is spaced a distance less than the space between the valve and the seat when the valve is fully opened.

1,461,836. CONE-BAKING MACHINE. DAVID L. STULL, Birmingham, Ala. Filed July 7, 1919. Serial No. 309,183. 13 Claims. (Cl. 107—66.)

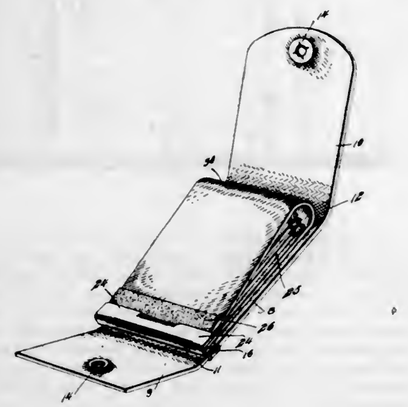


1. In a baking machine for cores and the like, a frame, a mold comprising a series of mold cavities and divided into sections lengthwise of said series, means to raise and lower said mold, cores for the mold cavities, end guides on the frame and co-acting elements on the mold sections disposed and adapted to separate and close the mold sections as they are raised and lowered, and a taper face extending along the frame on each side of the mold and adapted to be engaged by the side mold sections as they are lowered to co-operate with the end guides in forcing said sections to closed position.

7. In a cone baking machine, a frame carrying female cone molds, a movable carrier, cores carried thereby, and rigidly mounted trimming knife edges for the cores adapted to key the batter webs between cones to the movable carrier, said carrier being movable from a position overhanging the female molds, as and for the purposes described.

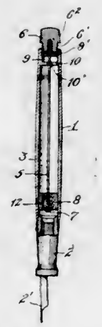
13. In a cone baking machine, a frame, a sectional baking iron parted longitudinally and having formed between its center element and its side elements a plurality of cone molds, a vertical guide in the frame for the center element, upwardly and outwardly curving guides projecting above the frame at each end and having outwardly curving guides for said side elements, lever mechanism to reciprocate the mold elements vertically, wedge means effective for the length of said side elements to press them against the center element when lowered, co-acting mold cores, and means to heat the molds.

1,461,837. ARTICLE HOLDER. OSCAR T. SUNDIN, Providence, R. I., assignor to David H. Zell, Incorporated, a Corporation of New York. Filed July 25, 1922. Serial No. 577,317. 2 Claims. (Cl. 206—31.)



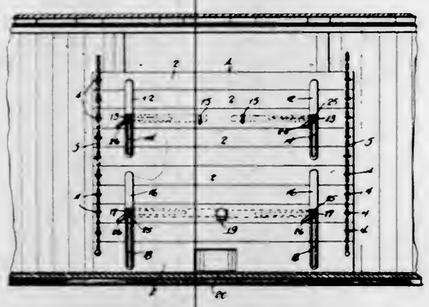
1. In a device of the character described, the combination with a flexible casing, of a flat metallic base strip disposed transversely upon an intermediate portion of the casing, folded lugs on the ends of the strip embracing the lateral edges of the casing, an upright back upon the strip, an overhanging flange on the back, and a depending lip on the flange.

1,461,838. FOUNTAIN PEN. LUIGI TADDEO, Cleveland, Ohio. Filed July 20, 1921. Serial No. 486,083. 1 Claim. (Cl. 120—47.)



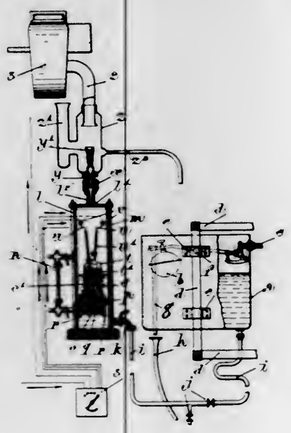
A fountain pen comprising a hollow body forming an ink reservoir; a reciprocable plunger therein formed of compressible material; a metal reinforcement for said material having a central body member formed with a tapped hole and a plurality of arms forming prongs driven into said material; and a plunger rod formed with a threaded portion adapted to co-operate with said tapped hole.

1,461,839. GRAIN-CAR DOOR. HENRY M. TENNESON, Galesburg, N. Dak. Filed July 8, 1920. Serial No. 394,643. 1 Claim. (Cl. 20—32.)



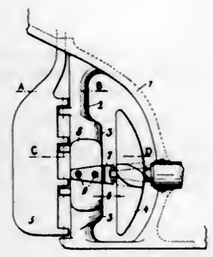
In combination with a car having a door way, a plurality of strips forming a grain door, lap joints at the marginal edges of the strips, means flexibly connecting the strips, screw bolts passing through certain strips, brace cleats having slots at one end carried by the screw bolts and adapted at times to extend transversely across the joints of said strips, wing nuts threaded on the bolts for clamping the cleats in adjusted positions, and hooks pivoted to the opposite ends of said bolts adapted to engage eyelets carried by the door way to effect a tight closure when the door is in operative position.

1,461,840. APPARATUS FOR HUMIDIFYING AIR. LOUIS EUGÈNE VIGNON, Tarare, France, assignor to Les successeurs D'Albert Godde, Bedin & Co., Lyon France. Filed Mar. 28, 1922. Serial No. 547,395. 3 Claims. (Cl. 219—39.)



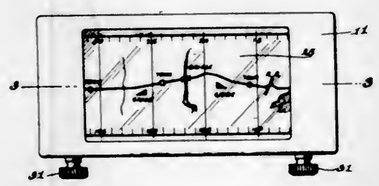
1. Apparatus for supplying humidified air comprising in combination a closed vessel, electrically operated heaters in said vessel adapted to vaporize water therein, means for supplying water to and maintaining a constant level thereof in said vessel, a mixing chamber having an open air inlet duct, means for dispersing in said chamber the steam produced in said vessel, a conduit connected to said mixing chamber, a fan adapted to suck the humidified air from said mixing chamber and force same into the premises to be humidified and means for rotating said fan.

1,461,841. SCREW PROPELLER. RUDOLF WAGNER, Hamburg, Germany, assignor to Star Contrapropeller Ltd. A./S., Christiania, Norway. Filed June 15, 1921. Serial No. 477,738. 6 Claims. (Cl. 115—34.) (Granted under the provisions of the act of Mar. 3, 1921, 41 Stat. L., 1313.)



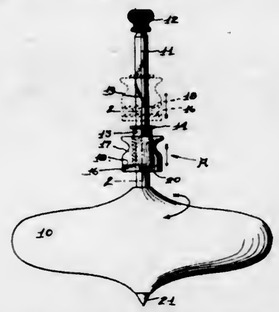
1. An improved propelling means for ships comprising, in combination, a screw propeller, and a rudder post, forward portions of the vertical body of said post being blade shaped whereby to act as guiding apparatus.

1,461,842. MAP-DISPLAY DEVICE. ADOLF J. WESTMAN, Montreal, Quebec, Canada. Filed Aug. 3, 1922. Serial No. 579,345. 1 Claim. (Cl. 40—86.)



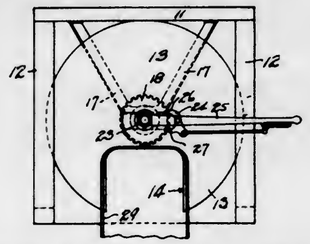
A display device for maps and the like comprising a casing having an open top, a bed plate in the casing adjacent the top thereof and having its ends bent inwardly and flaring towards the ends of the casing providing pockets in the opposite ends of the casing, springs mounted in one side of the casing and extending oppositely into the adjacent ends of said pockets, bearing studs carried upon the free ends of the spring, spools seated in the pockets having axial openings in opposite ends, each spool having one end engaging a bearing stud, said spools adapted to carry the ends of a map strip for passage over said bed plate, operating shafts arranged in the other side of the casing for engagement in the openings in the other ends of the spools and provided with transverse webs, said spools having kerfs in said other ends adapted to receive said webs for interlocking the spools and operating shafts together, and a removable cover for the open top of the casing having a transparent panel adapted to overlie said bed plate and expose the section of map passing thereover.

1,461,843. TOP. ALEX L. ZANDER, St. Paul, Minn. Filed Mar. 25, 1922. Serial No. 546,760. 5 Claims. (Cl. 46—32.)



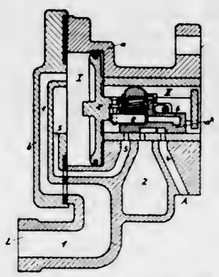
1. The combination in a top, of a balancing body, a stem secured to said body and formed with a spiral, a sleeve on said stem in operative engagement with said spiral, a thimble on said sleeve, and means for locking the thimble to the sleeve on a downward thrust.

1,461,844. COAL-TIPPLE ATTACHMENT. EDWARD H. HERSH, Altoona, Pa. Filed Jan. 4, 1922. Serial No. 526,881. 3 Claims. (Cl. 221—144.)



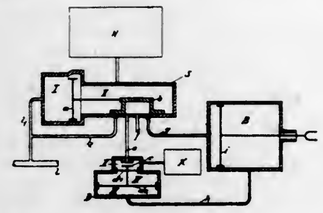
3. A delivery gate for coal tipples including in combination with the tipple frame-work and delivery chute, a dished disk having its concave side exposed to the pressure of coal within the tipple and also provided with an opening for aligning with the chute, and means for rotating the disk.

1,461,845. CONTROL VALVE FOR AIR BRAKES. WILHELM HILDEBRAND, Lichtenberg, Berlin, Germany, assignor to Knorr-Bremse Aktiengesellschaft, Lichtenberg, Berlin, Germany. Filed July 21, 1920. Serial No. 398,037. 3 Claims. (Cl. 303—39.)



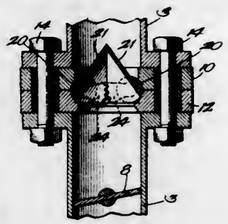
1. In a control valve for air brakes, a casing containing a piston chamber, a piston movable therein, and a slide valve adapted to be actuated by said piston, in combination with an expansion chamber to receive air from the front of the piston, said casing being provided with a passage forming an open communication between said piston chamber and the main brake pipe, and also with a separate passage having an inlet located permanently in front of said piston and an outlet controlled by said slide valve and adapted to place said expansion chamber in direct communication through said slide valve with said piston chamber.

1,461,846. BRAKE ACCELERATOR. WILHELM HILDEBRAND, Lichtenberg, Berlin, Germany, assignor to Knorr-Bremse Aktiengesellschaft, Lichtenberg, Berlin, Germany. Filed July 21, 1920. Serial No. 398,039. 2 Claims. (Cl. 303—83.)



1. In a brake accelerator, a transfer chamber to receive air from the train pipe when an application of the brake is initiated, a brake cylinder, a de-aerating pipe normally in connection with said transfer chamber and with said brake cylinder, means for cutting off said connection with said de-aerating pipe, and a valve for controlling the connection of the train pipe with said transfer chamber, said valve being in turn controlled by fluid under pressure flowing directly from said brake cylinder.

1,461,847. GOVERNING VALVE FOR INTERNAL-COMBUSTION MOTORS. HARRY R. JACKSON, Chicago, Ill., assignor of one-half to Henry A. May, Chicago, Ill. Filed Feb. 9, 1922. Serial No. 535,282. 7 Claims. (Cl. 137—132.)

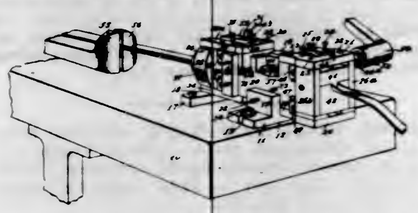


1. In a device of the class described, the combination of an induction duct, a main throttle valve in the duct, a gate valve in the duct between the throttle valve and the engine, said gate valve facing upstream and being adapted to swing down stream, and a piston one side of which is in communication with the inside of the duct and the other side is in communication with the atmosphere, said piston being adapted to urge the valve towards closed position when the atmospheric pressure exceeds the pressure within the duct.

1,461,848. TUBE-FORMING MACHINE. WILLIAM JAQUIERY, Waterbury, Conn. Filed Mar. 31, 1922. Serial No. 548,303. 17 Claims. (Cl. 113—33.)

1. In a tube-forming machine, the combination with a die for bending a strip of metal into approximately the shape of a U having diverging sides, a pair of rolls

for squaring-up said sides into parallelism, a cooperating roll and die for bending one edge of the U-shaped strip inwardly, and the other edge outwardly, a pair of cooperating rolls for forcing said bent edges into locking



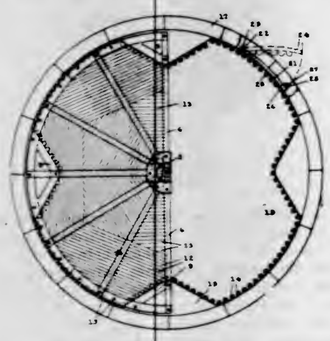
position, a die for locking said edges together, a pair of cooperating rolls for squeezing said edges together to form a smooth outer cylindrical surface, a mandrel for supporting the inner surface of said tube, and a final sizing die for reducing the diameter of said tube.

1,461,849. METHOD OF MAKING PHONOGRAPHIC RECORDS. EARLE W. JONES, New York, N. Y., and EDWARD R. HARRIS, Arlington, N. J. Filed June 3, 1916. Serial No. 101,543. 24 Claims. (Cl. 274—46.)



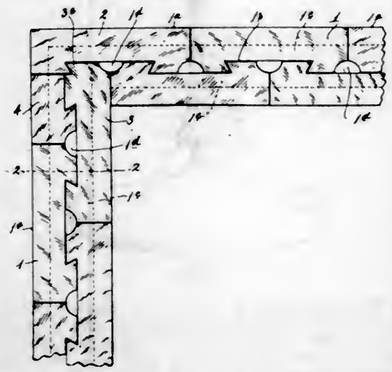
1. The method of making dies for the production of sound record tablets consisting in photo-engraving a metal plate to form a laterally undulatory rib thereon in correspondence with sound vibrations and then rounding off the corners of the rib.

1,461,850. BAG-CLEANING MACHINE. HENRY J. F. T. KACKER, Birmingham, Ala. Filed Jan. 6, 1921. Serial No. 435,529. 7 Claims. (Cl. 15—90.)



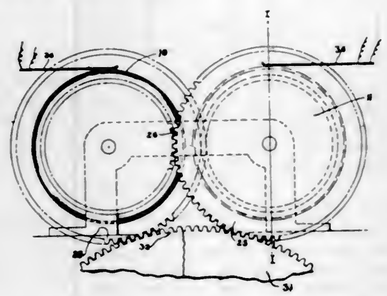
1. A rotatable cleaning drum mounted to rotate about its longitudinal axis and having its interior wall formed by longitudinal slats mounted at intervals on inwardly projecting gradually sloping substantially symmetrical spaced shelves which provide longitudinal pockets, each having a wide arcuate bottom wall and divergent gradually sloping walls, the sloping walls of each shelf being disposed at an obtuse angle and meeting in a rounded top edge, and a rotatable frame work for supporting said slats.

1,461,851. CONCRETE BUILDING BLOCK. FRANK KAGERMEIER, New Ulm, Minn. Filed May 8, 1922. Serial No. 559,155. 5 Claims. (Cl. 72—38.)



1. A wall structure comprising two adjacent series of superposed courses each course formed of blocks having plane outer surfaces, the adjacent blocks of said courses having interlocking dove-tailed grooves and projections respectively on their adjacent surfaces and having longitudinally extending channels therein between their top and bottom surfaces whereby a central air space is formed between the two horizontally adjacent courses.

1,461,852. DRIVING ARRANGEMENT FOR SHIPS. ALEXANDER T. KASLEY, Essington, Pa., assignor to Westinghouse Electric and Manufacturing Company, a Corporation of Pennsylvania. Filed Mar. 29, 1921. Serial No. 456,675. 5 Claims. (Cl. 172—36.)

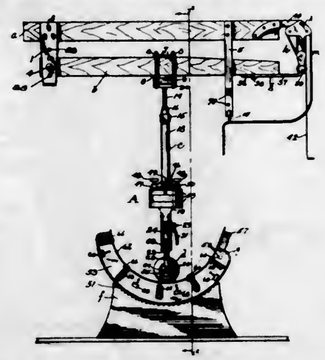


1. In a ship propulsion arrangement, the combination of two motors arranged side by side, each motor having oppositely rotating field and armature elements, pairs of meshing gears carried by the rotating elements of the motors at the ends of the latter, a propeller shaft, and gears carried by the propeller shaft and meshing respectively with one of the gears of each of the pairs.

1,461,853. SHEET-METAL-ROLLING MACHINE FOR FENDERS AND THE LIKE. HOMER R. KENNEDY, Los Angeles, Calif., assignor to Joseph J. Mathe, Los Angeles, Calif. Filed Sept. 3, 1921. Serial No. 498,354. 19 Claims. (Cl. 153—39.)

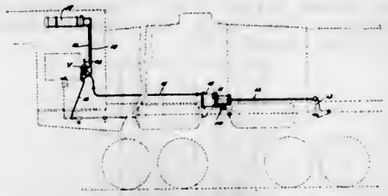
1. A sheet metal working machine, including a structure, a lever arm fulcrumed to said structure, an oscillating arm joined with said lever arm, a roller member carried by the free end of said oscillating arm, a template

adapted to receive work, the said roller member and said template co-acting in the forming of said work; said lever arm being provided with means allowing free movement at an end of said lever arm upon moving said



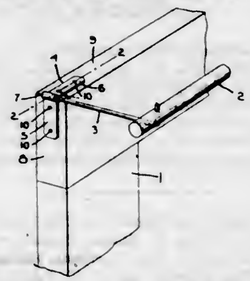
oscillating arm; said means including a compensating lift arm joined to the free end of said lever arm and means joined to said compensating lift arm for supporting said compensating lift arm.

1,461,854. VALVE FOR POWER REVERSE GEARS. WILLIAM F. KIESEL, Jr., Altoona, Pa. Filed Aug. 18, 1920. Serial No. 404,374. 10 Claims. (Cl. 277—3.)



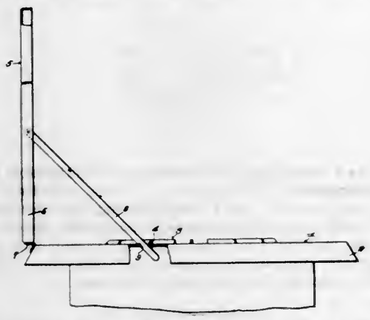
1. A device of the character described for controlling the operation of a motor adapted to actuate an engine reverse gear including in combination, a body, two valves therein, said body having inlet and discharge passages controlled by one valve, and inlet, discharge and exhaust passages controlled by the other valve and means to actuate said valves including a rotatable member having a cam for each valve.

1,461,855. CURTAIN-ROD SUPPORT. LUDWIG J. KROESSER, Stoneham, Mass. Filed Nov. 28, 1921. Serial No. 518,131. 1 Claim. (Cl. 156—22.)



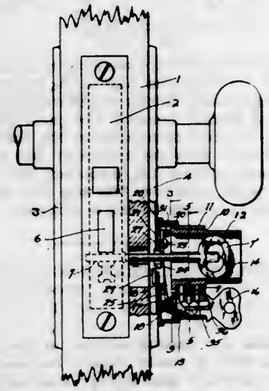
In a curtain rod support, the combination of a rod supporting member, and a holder therefor having a resilient loop-forming socket to positively clamp around and frictionally engage a portion of the rod supporting member, the ends of the socket being extended to form arms which have normally an angular relation to one another of slightly greater than 90 degrees, whereby when the holder is secured to the squared corner of a window frame the lop will be closed slightly thereby applying a positive clamping pressure to the said portion of the rod supporting member to tightly and frictionally engage but removably hold the rod supporting member in position.

1,461,856. STOVE COVER. FLORENCE L. ROBERTSON, Fergus Falls, Minn. Filed Sept. 20, 1921. Serial No. 501,944. 1 Claim. (Cl. 126—211.)



The combination with a stove top provided with a continuous outwardly flared depending flange and further provided with a transverse slot in proximity to one side of said flange, of a cover having a vertically disposed continuous flange conforming in contour to the shape of said top and adapted to have its lower edge seat on the upper edge of said flared flange when the cover is closed, means for hinging the rear portion of the flange of the cover to the rear portion of the flange of the top, and a supporting element permanently extending through said slot and having its upper end pivoted to the inner face of one side of the flange of the cover, said element provided with means near one end for detachably engaging with one end wall of the slot for maintaining said element extended to support the cover at right angles with respect to the rear of the top.

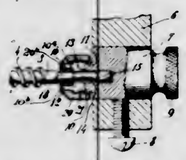
1,461,857. LOCK. ISAK A. TREIMAN and ROBERT L. ROCKWELL, Seattle, Wash.; said Rockwell assignor of one-fourth to said Treiman. Filed Dec. 19, 1921. Serial No. 523,485. 7 Claims. (Cl. 70—8.)



2. The combination with a door having a locking mechanism and a key applied thereto and extending from the

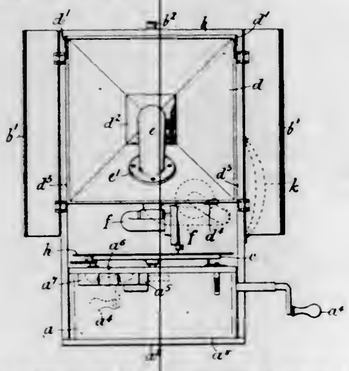
door, of a locking device removably attached to the door and comprising a slotted member for receiving the extended portion of the key therein and rotatable to actuate the key within the lock, and means for locking said member in position to prevent removal of the key from the door.

1,461,858. ADJUSTABLE BEARING FOR SPRING MOTORS. ELMER E. WILKINSON and SAUL ARONSON, Brooklyn, N. Y., assignors, by mesne assignments, to The Silent Motor Corporation, Brooklyn, N. Y., a Corporation of New York. Filed Sept. 4, 1920. Serial No. 408,151. 5 Claims. (Cl. 64—53.)



4. As a new article of manufacture, an adjustable bearing comprising a body portion, a chuck extending from said body portion, and a bored bearing ball mounted in said chuck so as to be universally adjustable therein and adapted to receive one end of a shaft, said ball being sufficiently resilient to permit ready insertion and removal of the ball into and from the chuck.

1,461,859. PORTABLE CASING FOR TALKING MACHINES. REGINALD F. R. AMOR, Leytonstone, London, England. Filed Nov. 3, 1921. Serial No. 512,567. 6 Claims. (Cl. 274—2.)



1. A gramophone-cabinet comprising a casing, a motor-box hinged at its lower rear edge to the lower front edge of said casing, a sound diffuser or reflector hinged to said casing, and a hinged tone-arm, the parts being so arranged that, in their open position the bottom of the motor-box is flush with the bottom of said casing, and in their closed position the motor-box lies completely within the casing, and the tone-arm lies between th motor-box and the sound diffuser or reflector.

1,461,860. MOLDING APPARATUS FOR COMPRESSED BLOCKS. FRANÇOIS BONNET, Villefranche-sur-Saone, France. Filed Feb. 9, 1920. Serial No. 357,129. 4 Claims. (Cl. 25—41.)

1. A machine for molding concrete or the like blocks comprising a table, a mould thereon, movable vertically with respect thereto, a base fitting within said mould, a lid for said mould, means for imparting short reciprocating vertical movements to said base within said mould to compress the substance being moulded, means for imparting continuous vertical movement to said base, members seated beneath the lateral walls of the mould and said

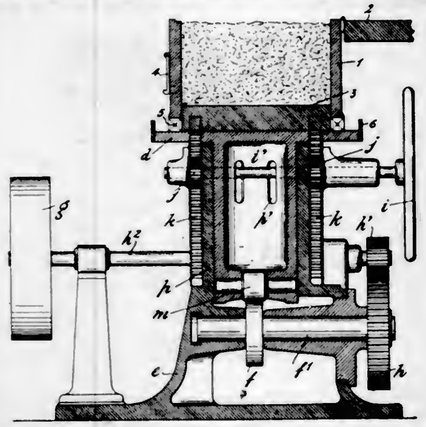
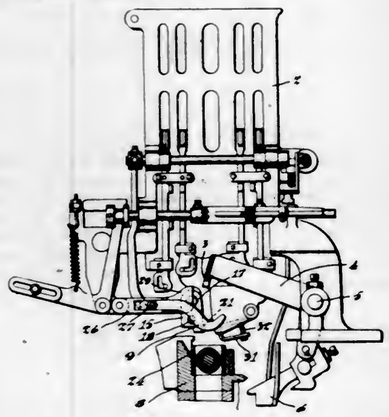


table and means for sliding said members from beneath said mould to allow said mould to sink toward said table and compress the substance being moulded.

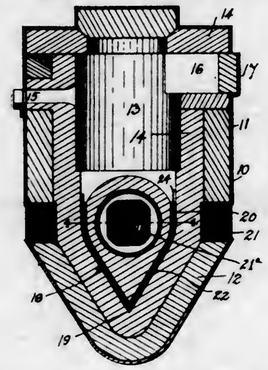
1,461,861. WEFT-REPLENISHING LOOM. NAPOLEON CARON, Nashua, N. H., assignor to Nashua Manufacturing Company, Nashua, N. H., a Corporation of New Hampshire. Filed Aug. 3, 1921. Serial No. 489,450. 10 Claims. (Cl. 139—224.)



1. In an automatic weft replenishing loom, the combination of a magazine for spare bobbins, said magazine having a throat through which said bobbins are discharged into the running shuttle, and a bobbin supporting device mounted in said throat and normally movable freely upon engagement therewith of a bobbin to permit the bobbin to drop through the throat due to its own weight.

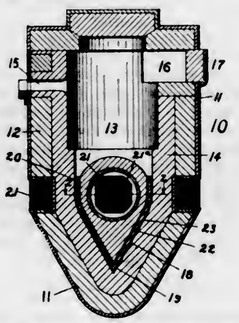
1,461,862. MANUFACTURE OF ELECTRIC-FURNACE LININGS. WALTER R. CLARK, Bridgeport, Conn., assignor to Bridgeport Brass Company, Bridgeport, Conn., a Corporation of Connecticut. Filed Aug. 6, 1917. Serial No. 184,675. 38 Claims. (Cl. 204—64.)

30. The method of starting an induction furnace, which consists in placing within the heating space of said furnace a composite body formed of materials of different melting points, then melting the material of lower melting



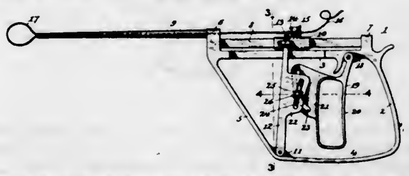
point, and then melting the material of higher melting point.

1,461,863. MANUFACTURE OF ELECTRIC-FURNACE LININGS. WALTER R. CLARK, Bridgeport, Conn., assignor to Bridgeport Brass Company, Bridgeport, Conn., a Corporation of Connecticut. Original application filed Aug. 6, 1917, Serial No. 184,675. Divided and this application filed Sept. 8, 1919. Serial No. 322,556. 26 Claims. (Cl. 204—64.)



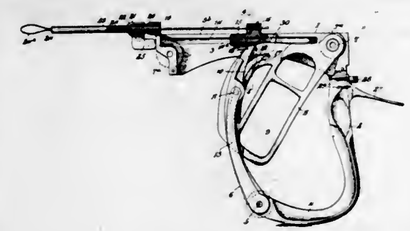
1. The method of making the refractory structure of an electric furnace or the like having a passage or channel, which comprises tamping refractory material about a templet of the same shape as the passage to be formed and consisting of a metallic outer part temporarily reinforced with a filling so that such templet is sufficiently hard and strong to resist collapse under tamping pressure, and then eliminating the filling material.

1,461,864. SURGICAL SNARE. EMORY CLAPP DAY, Laguna Beach, Calif. Filed Dec. 24, 1919. Serial No. 347,156. 17 Claims. (Cl. 128—320.)



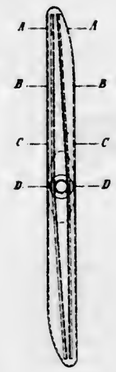
1. A surgical snare comprising a suitable body portion with a handhold, a snare wire guide on the body portion, and a lever of the third order carried by the body portion and connected to the snare wire, said lever and handhold being coactively related to be gripped by one hand of the user, with the gripping force applied in a direction away from the snare wire.

1,461,865. SURGICAL SNARE AND UNIVERSAL HANDLE. EMORY C. DAY, Laguna Beach, Calif. Filed June 20, 1921. Serial No. 478,910. 8 Claims. (Cl. 128—320.)



1. A frame comprising a handhold, a stock, and a bottom member, with the stock and bottom member extending forwardly from the handhold at the upper and lower ends, an upstanding lever pivoted to the forward end of the bottom member and slotted lengthwise thereof, a manipulating lever pivoted at its upper end to the frame and entering the slot of the first-mentioned lever, said manipulating lever having a curved slot, and a pin passing through the first-mentioned lever and extending through the curved slot of the manipulating lever so as to join the two levers together, and a slide actuated by the movement of the upstanding lever.

1,461,866. AIR PROPELLER. CLAUDE DORNIER, Friedrichshafen, Germany, assignor, by mesne assignments, to Dornier-Metallbauten Gesellschaft mit beschränkter Haftung and Claudius Dornier, Friedrichshafen, A. B., Germany. Filed June 28, 1920. Serial No. 392,559. 2 Claims. (Cl. 170—159.) (Granted under the provisions of the act of Mar. 3, 1921, 41 Stat. L., 1313.)

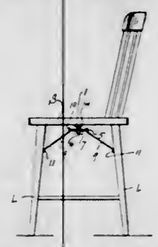


1. In a hollow propeller in combination, two metal plates suitably united at their edges and extending each from the outer end of one blade to the outer end of the other, and a plurality of channels inserted between and fixed to said blades and extending longitudinally thereof from one end to the other.

1,461,867. ART OF STENCIL MAKING. STERLING ELLIOTT, Cambridge, Mass.; Harriet Adell Elliott executrix of said Sterling Elliott, deceased. Filed Mar. 1, 1920. Serial No. 362,570. 4 Claims. (Cl. 41—38.6.)

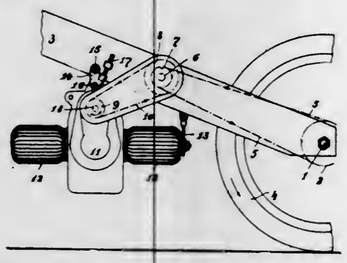
1. The method of preparing stencil sheets which consists in initially treating the sheet on one side only with a solution containing gelatine and water, and subsequently coating both sides of the sheet with a solution consisting of alum, glycerine and water.

1,461,868. CHAIR TIGHTENER. CHARLES FISCHER, Coldwater, Ohio. Filed Apr. 5, 1922. Serial No. 549,781. 5 Claims. (Cl. 155—197.)



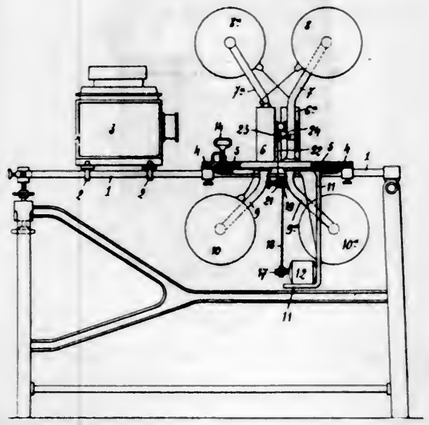
1. In combination with the seat and the associated supporting members of a chair structure, a plate secured to the under surface of the seat, a member depending from said plate, a second plate having an opening through which the member is freely disposed, a nut threaded upon the member below the second plate, means carried by the first named plate and co-acting with the second plate to hold the second plate against turning movement, and members connecting the second plate and the supporting members of the chair structure.

1,461,869. NOVEL DEVICE FOR SECURING ENGINES ON MOTOR CYCLES. CLAUS FRANZENBURG, Nuremberg, Bavaria, Germany, assignor to the Firm Marswerke A.-G., Nuremberg-Doos, Germany. Filed June 17, 1921. Serial No. 478,340. 1 Claim. (Cl. 180—33.) (Granted under the provisions of the act of Mar. 3, 1921, 41 Stat. L., 1313.)



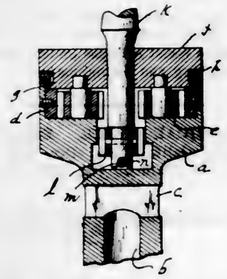
In a device for securing the engine in motor cycles, the combination, with the engine, of two links pivotally secured to opposite sides of the cycle frame and adapted to support the engine, placed in the longitudinal axis of said frame, in a pendulum like manner so as to cause said engine to take up its normal position as correctly as possible, set screws mounted in the cycle frame and adapted to act on the links, the adjustment of the said screws producing a movement of said links about their suspension points and therefore at the same time a movement of the engine in the horizontal direction, and a brace rod, rigidly secured to the cycle-frame and fixed to the engine in such a manner, as to allow said longitudinal adjustment of the latter.

1,461,870. CINEMATOGRAPHIC PROJECTION APPARATUS. LÉON FRASSIER, Paris, France. Filed Jan. 16, 1922. Serial No. 529,725. 2 Claims. (Cl. 88—17.)



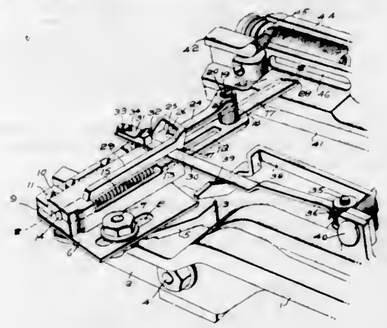
1. In cinematographic projection apparatus, a source of light, a turn-table, a ring-shaped support for said turn-table, two projectors disposed upon said turn-table in staggered relation and symmetrically with regard to the center of the turn-table, said turn-table being rotatable to bring said projectors alternately with their axes of projection in alinement with the axis of projection of said source of light, a bracket depending from said turn-table and moving therewith, an electric motor supported by said bracket, an electric circuit to said motor for transmission of electric current thereto, operative connections between said motor and said projectors for selectively actuating the latter, and means for automatically closing said circuit when said turn-table has been moved to bring either one of said projectors with its axis of projection in alinement with the axis of projection of said source of light, and for breaking said circuit during the interval of rotation of said turn-table when neither one of said projectors is in position with respect to said source of light.

1,461,871. REVERSING CHUCK. FRANK M. FUNK and MARTIN C. JENNERS, Detroit, Mich. Filed Mar. 9, 1921. Serial No. 451,028. 5 Claims. (Cl. 10—138.)



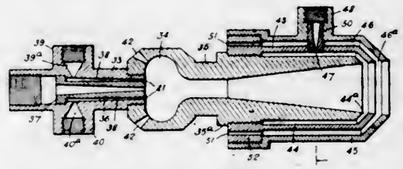
1. In a chuck, the combination of a head and a body arranged to have relative rotative movement, a driving shank longitudinally movable with respect to said head and body which may be coupled up with one of the same in direct driving relation, a driving train supported between the head and body including one or more planetary members with which the shank may be engaged, when disengaged from direct driving relation, for the purpose of reversing the driving effect.

1,461,872. FEELER MECHANISM FOR LOOMS. EDWARD T. GILMAN, Lowell, Mass., assignor to Draper Corporation, Hopedale, Mass., a Corporation of Maine. Filed Mar. 29, 1922. Serial No. 547,605. 3 Claims. (Cl. 139—286.)



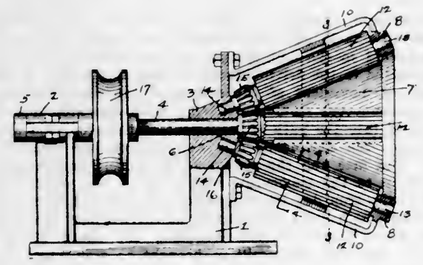
1. In a feeler mechanism for looms, the combination of a feeler stand, a feeler slide mounted upon the feeler stand for movement towards and from the front of the loom in a direction inclined to the longitudinal axis of the shuttle, a feeler pivotally mounted on the inclined feeler slide to enter the shuttle in a direction inclined to the longitudinal axis of the shuttle on each detecting beat and having a normal swinging movement relative to the slide which increases in amplitude as the lay moves frontwardly and imparts to the feeler an increased tendency to partake of its abnormal swinging movement, a stop for the feeler when in normal feeling position from which the feeler is removed as it swings normally on each detecting beat, and a transmitter which is actuated by the feeler only when the feeler is abnormally displaced.

1,461,873. BURNER OF THE INJECTOR TYPE. LUDWIG GROTE, Tottenham, London, England. Filed Aug. 15, 1922. Serial No. 581,926. 3 Claims. (Cl. 158—76.)



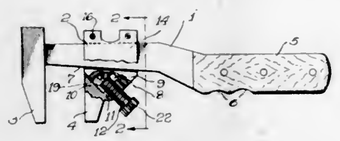
1. A liquid hydrocarbon burner of the injector type comprising a barrel whereof the major portion of the bore increases regularly in cross sectional area towards the nose end of said bore, said barrel having a circular enlargement of said bore at the rear end of said bore, an injector nozzle for injecting gas under pressure arranged co-axially with the bore in the rear wall of said enlargement, means to admit liquid hydrocarbons directly into said enlargement, and means to direct an auxiliary supply of gas under pressure in sharply converging streams on to the main stream of fuel mixture issuing from the nose of the burner, substantially as described.

1,461,874. ARTICHOKE TRIMMER AND CUTTER. JOSEPH GUERRIERI, San Francisco, Calif. Filed Sept. 12, 1922. Serial No. 587,675. 5 Claims. (Cl. 146—11.)



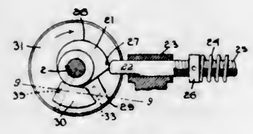
1. A device such as described comprising a frame; a cone-shaped casing mounted on said frame; a plurality of cutting elements journaled in said frame; a rotary shaft on said frame and driving means interposed adjacent said shaft and cutting elements.

1,461,875. ADJUSTABLE WRENCH. FRANK C. HACHENEY, John Day, Oreg. Filed May 15, 1922. Serial No. 561,105. 6 Claims. (Cl. 81—154.)



2. A wrench comprising a stationary member and a slidable member, said stationary member having a tapered shank, said slidable member having a recess therein, said recess having two walls at right angles to each other, a tapered locking key in said recess, said locking key having two faces at right angles to each other and a face cooperating with the tapered shank, one of the faces of the key being in sliding contact with one of the walls of the recess, and a screw passing through the other wall of the recess and bearing on the other face of the key to hold said key in position in said recess.

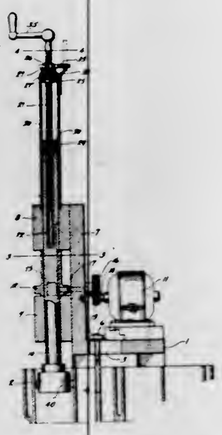
1,461,876. STOP MOTION. CHRISTIAN H. T. HAGELSTEIN, Boston, Mass., assignor to The Reece Button Hole Machine Company, Boston, Mass., a Corporation of Maine. Filed Mar. 14, 1922. Serial No. 543,577. 2 Claims. (Cl. 192—149.)



1. In a stop motion, the combination with a driving shaft, of a driving belt therefor and a belt shipper to connect the driving belt to or disconnect it from the shaft, of a stop cam fast on the driving shaft, said stop cam having a continuous peripheral cam face, said face being formed with a low portion, one end of which

merges into a relatively-short straight portion of increasing radius and the other end of which merges into a convexly-curved portion which is considerably longer than the straight portion and which also has a progressively-increasing radius, said straight portion and convexly-curved portion meeting and forming a high point at the cam, a stop dog, a spring acting on the stop dog and adjustable as to its tension, said stop dog being connected to the belt shipper so that when the belt is connected to the driving shaft the stop dog is out of the path of movement of the stop cam but when the belt is disconnected from the driving shaft the stop dog is carried into the path of movement of the stop cam and engages the continuous cam face thereof, the shape of the cam face and the tension of the spring having such relation to the momentum and speed of the shaft that when the stop dog is brought into engagement with the cam the high point thereof will be carried past the stop dog once thereby largely reducing the speed of the shaft and said shaft will be brought to rest when the straight portion of the cam face comes a second time into engagement with the stop dog.

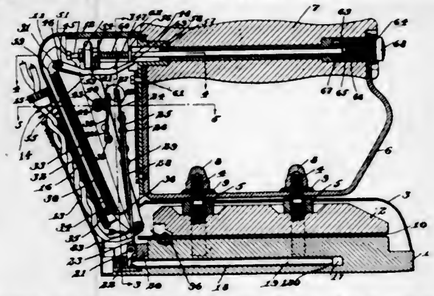
1,461,877. CYLINDER-REBORING MACHINE. MAURICE H. HANSEN, Seattle, Wash. Filed Aug. 8, 1921. Serial No. 490,630. 2 Claims. (Cl. 77—2.)



1. A cylinder reboring machine comprising a base plate applicable at the ends of the cylinders of an engine and adapted to be adjustably anchored thereto, a standard at one end of the plate having bearings formed thereon, a boring shaft rotatably and longitudinally movable in said bearings, a boring tool fixed to the lower end of the shaft, a sleeve fixed in the upper of said bearings and slidably containing the upper end of the boring shaft, an adjusting rod rotatably fixed in said sleeve and extended in a threaded connection concentrically within the boring shaft, means for manually rotating the adjusting rod to effect longitudinal adjustment of the boring shaft, and means for holding the adjusting rod against rotation to effect automatic advancement of the boring shaft when in operation.

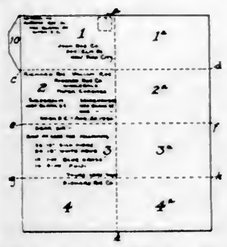
1,461,878. THERMOSTATIC CONTROL. JOHN E. HARVEY, Milton, Mass. Filed May 23, 1921. Serial No. 471,550. 6 Claims. (Cl. 219—25.)

1. In a device of the class described, the combination of a source of power, a heating element adapted to be connected thereto, a switch manually operated to connect the heating element with the source of power, a thermostat directly controlling the switch to disconnect the



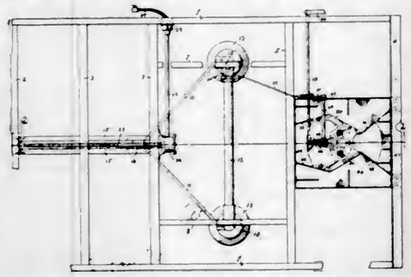
source of power from the heating element, and a thermostat associated with said heating element and controlling said first thermostat.

1,461,879. COMBINED ENVELOPE AND LETTER SHEET. HOLMES HARRIS, Washington, D. C. Filed Sept. 2, 1920. Serial No. 407,659. 3 Claims. (Cl. 229—92.1.)



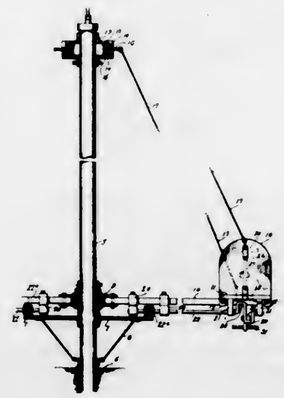
2. A combined letter sheet and envelope consisting of a sheet divided by a vertical fold line and by transverse fold lines into at least eight panels, a sealing flap attached to the side edge of one of the upper panels, and address indicia on the face of said panel having the sealing flap, said sheet having the upper panels folded back against the back of the second panels on the upper transverse fold line, the other panels folded face to face on the vertical fold line, the third panels folded on the second transverse fold line against the back of one of the first panels folded back to back with the second panels and the remaining panels tucked between the faces of the second panels and said sealing flap folded over and sealed to the back of a third panel.

1,461,880. TRAILER CONNECTION. ERNEST F. HARTWICK, Greenfield Township, Wayne County, Mich., assignor to Detroit Trailer Company, Detroit, Mich., a Corporation of Michigan. Filed Sept. 23, 1921. Serial No. 502,720. 6 Claims. (Cl. 280—33.1.)



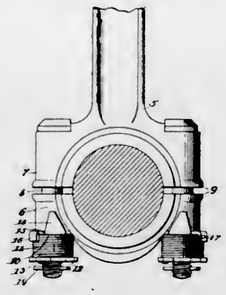
1. In combination, a fifth-wheel adapted to connect a trailer to a tractor and embodying a tractor pin on one member and means on the other member to secure the tractor pin, means to release said tractor pin, a support for the trailer, and means positioned by said support to prevent unlocking of the tractor pin.

1,461,881. MERRY-GO-ROUND. HOBERT HROBSKY, Watertown, Wis., assignor of one-half to William G. Miller, Watertown, Wis. Filed Jan. 27, 1922. Serial No. 532,267. 2 Claims. (Cl. 40—27.)



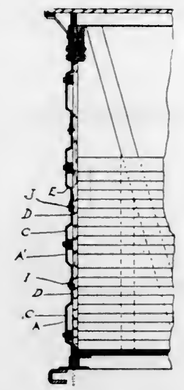
1. In a device of the character described, a center post having a master gear secured to the lower portion thereof, a frame revolubly mounted on said post, seats carried by the frame, a crank shaft located adjacent each seat and journalled in the frame and operatively connected with the master gear, each shaft having two cranks, a walking beam in front of each seat, and a pair of connecting rods connecting opposite ends of the walking beam to the cranks of the crank shaft associated with the next succeeding seat, said walking beam being provided with means engageable respectively by the hands and feet of a person occupying the seat.

1,461,882. AUTOMATIC CLAMP BOLT. STEPHEN A. SLAUSON, Cedar Rapids, Iowa, assignor of twenty-five one-hundredths to John H. Brookman and twenty-five one-hundredths to L. O. Hatch, both of Cedar Rapids, Iowa. Filed Apr. 13, 1922. Serial No. 552,337. 4 Claims. (Cl. 85—32.)



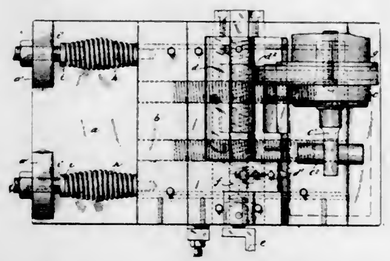
1. Combined with members to be connected, a retaining bolt, a nut therefor adapted for adjustable connection of a spring therewith, an encircling spring, and an anchor-plate having projections to engage one of said members, and adapted to connect with one end of the spring.

1,461,883. CAR-END CONSTRUCTION. WILLIAM D. THOMPSON and ALFRED R. WILSON, Detroit, Mich., assignors to Hutchins Car Roofing Company, Detroit, Mich., a Corporation of Michigan. Filed June 4, 1920, Serial No. 386,491. Renewed Dec. 11, 1922. 10 Claims. (Cl. 105—410.)



1. In a car body, an extended metallic plate formed of a plurality of sections marginally overlapping and secured to each other, each section being formed with a central portion thereof in one plane, portions on opposite sides and at the ends in a common plane spaced from and parallel to said first-mentioned plane, and transversely extending portions at the sides and ends connecting the portions in the two planes.

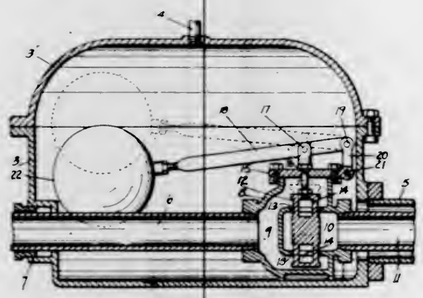
1,461,884. FIXTURE FOR TURNING MACHINES. WILLIAM R. ADAMS, Plainfield, and HARRY L. POUND, North Plainfield, N. J., assignors to International Motor Company, New York, N. Y., a Corporation of Delaware. Filed Sept. 4, 1920. Serial No. 408,237. 5 Claims. (Cl. 82—19.)



1. A fixture for turning machines, comprising a cross-slide mounted to reciprocate transversely of the work, a tool holder carried by the cross-slide and mounted to reciprocate transversely thereof in a direction longitudinally of the work, means for automatically reciprocating the cross-slide, and means for automatically reciprocating the tool holder.

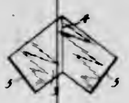
5. In combination with the chuck of a turning machine, a fixture secured to the machine and comprising a base, a cross-slide mounted movably thereon, adjustable springs interposed operatively between the cross-slide and the base, a tool head mounted to reciprocate in transverse ways on the cross-slide, means to feed the tool longitudinally with relation to the work, an elongated roller carried on the tool head and an oval shaped cam mounted adjustably on the chuck and engaged by the roller.

1,461,885. AUTOMATIC VALVE MEANS. GEORGE H. ANDERSON, Kalamazoo, Mich. Filed July 5, 1921. Serial No. 482,477. 5 Claims. (Cl. 137—101.)



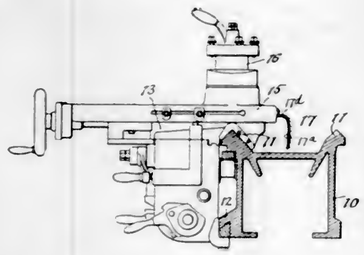
1. In a control valve structure, the combination of a casing connected by suitable pipes at the upper portion to the steam space and at the lower portion to the water space of a boiler, a supply pipe leading into the said casing and a delivery pipe leading therefrom within the connecting pipe to the water space of the boiler, a valve, the casing of which comprises an outer chamber connected to said supply pipe and an inner chamber connected to said delivery pipe, a vertically disposed piston valve through bores on the opposite sides of the said central chamber, a piston rod extending upwardly therefrom, a lever fulcromed on a suitable link to the upper portion of said valve casing and pivotally connected to said stem, a float carried by said lever, coacting for the purpose specified.

1,461,886. CONVERTIBLE VALLEY AND HIP COMPOSITION SHINGLE. FRANK PASEL, Minneapolis, Minn., assignor of one-half to Patrick Halloran, Minneapolis, Minn. Filed June 14, 1922. Serial No. 568,168. 1 Claim. (Cl. 108—24.)



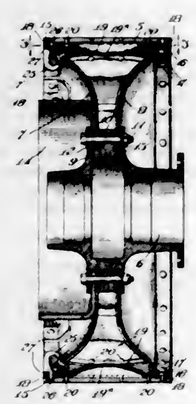
A composition shingle for the roof hip or valley comprising a sheet of flexible material having top and bottom edges diverging from a longitudinal center line along which line the sheet is bent, the side edges of said sheet being perpendicular to its top and bottom edges whereby the sheet can be bent about its center line to various angles and the top and bottom edges thereof can always lie in horizontal planes so that the shingle can be used for roofs of slightly varying pitches and for hips and valleys of different angles.

1,461,887. FLEXIBLE GUARD FOR MACHINE TOOLS. OTTO W. BIRKHANZL, Cleveland, Ohio, assignor to The Warner and Swasey Company, Cleveland, Ohio, a Corporation of Ohio. Filed Aug. 20, 1921. Serial No. 493,789. 4 Claims. (Cl. 82—34.)



1. In combination in a machine tool having a slide and ways over which the slide is adapted to move, of a flexible guard associated with said slide so as to move therewith comprising a plurality of overlapping metal plates serving to project over the ways when the slide is moved in one direction.

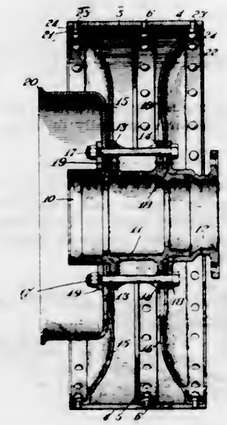
1,461,888. WHEEL. ROBERT J. BUAROWS, Buchanan, Mich., assignor to Clark Equipment Company, Buchanan, Mich., a Corporation of Michigan. Filed Jan. 17, 1920. Serial No. 352,070. 4 Claims. (Cl. 301—63.)



4. A metal wheel comprising a rim, a hub, discs connected with the hub and with the marginal portions of the rim, and transversely disposed elliptical dished reinforcing members independent of said discs and secured to the inner surface of the rim and spaced relation to each other.

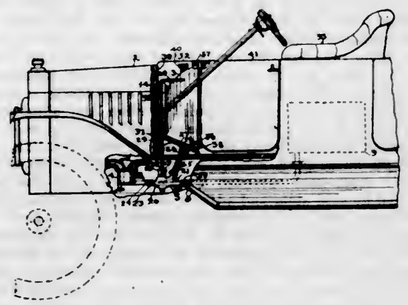
1,461,889. VEHICLE WHEEL. ROBERT J. BURROWS, Buchanan, Mich., assignor to Clark Equipment Company, Buchanan, Mich., a Corporation of Michigan. Filed Jan. 17, 1920. Serial No. 352,071. 2 Claims. (Cl. 301—63.)

2. A metal wheel comprising a rim, a hub composed of two telescoping members, one of said members having an intermediately disposed circumferential flange and the other of said members having its inner margin bent outwardly to form an integral radial flange, discs spaced apart and having their outer edges connected with the rim, the inner margins of said discs being fitted at opposite sides of said circumferential flange, a brake



drum fitted upon one of the members of the hub, and bolts securing the members of the hub, said discs and the brake drum together.

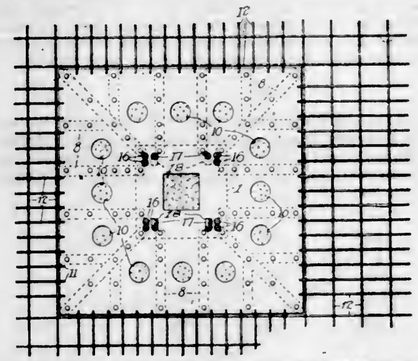
1,461,890. EMERGENCY FUEL TANK FOR AUTOMOBILES. JALMAR ALEX CARLSON, Stambaugh, Mich. Filed Apr. 5, 1920. Serial No. 371,520. 1 Claim. (Cl. 158—46.5.)



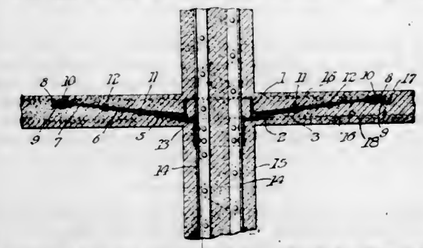
The combination with an automobile body and its main tank and carbureter, of an auxiliary tank mounted in front of the door at one side of said body and on the foot-board, each said tanks having a pipe leading therefrom, a valve fitting in which the conduits of said pipes meet, and a single valve controlling both of said conduits, said single valve having a valve-stem with a handle thereon in front of the driver in his seat in said automobile.

1,461,891. CONCRETE BUILDING. FRANKLIN H. CONEY, Chicago, Ill. Filed Feb. 11, 1922. Serial No. 535,675. 5 Claims. (Cl. 72—15.)

5. A column cap of the class described comprising spaced upper and lower plates with web members between said plates, said upper and lower plates of the cap having provisions for attachably receiving floor reinforcing bars, and horizontally disposed I-beams attached to said plates.

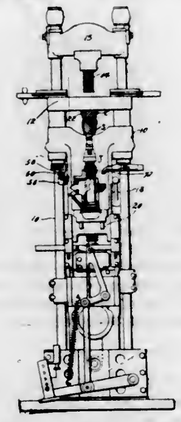


1,461,892. COLUMN CAP FOR CONCRETE BUILDINGS. FRANKLIN H. CONEY, Chicago, Ill. Filed Dec. 18, 1922. Serial No. 607,594. 6 Claims. (Cl. 72—15.)



1. A column cap comprising inner and outer reinforcing rings located in different parallel planes, and an annular web member connecting said rings.

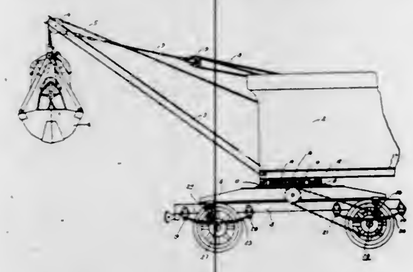
1,461,893. ATTACHING MACHINE. CHARLES E. CONNER, Auburn, Me., assignor to United Shoe Machinery Corporation, Paterson, N. J., a Corporation of New Jersey. Filed Nov. 26, 1920. Serial No. 426,489. 23 Claims. (Cl. 1—19.)



1. In a machine of the class described, mechanism for operating upon the work, a movable work-support, means

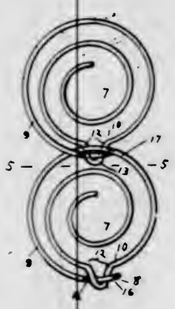
for temporarily retaining the work-support in operating position, means for actuating the retaining means to release the work-support, and means for restoring said work-support to the operating position, said restoring means being controlled in the operation of the machine and independently of movement of the work-support.

1,461,894. SUPPORT FOR SPRING VEHICLES. EUGENE G. DEUCHER, Cleveland, Ohio, assignor to The Universal Crane Company, Cleveland, Ohio, a Corporation of Ohio. Filed Mar. 11, 1921. Serial No. 451,598. 11 Claims. (Cl. 280—106.5.)



1. In combination with a highly springed vehicle, an axle therefor, a vehicle frame, a spring carried by the said axle for resiliently supporting the said frame on the said axle, a relatively non-yielding adjustable bridge adapted to intervene between the said frame and a point on the said spring relatively near the said axle but not coinciding with the position of the said axle.

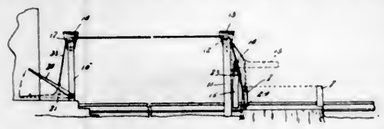
1,461,895. DETACHABLE KNOT OR FASTENER FOR COILED SPRINGS. WILLIAM B. FOSTER, Utica, N. Y., assignor to Foster Brothers Manufacturing Company, Utica, N. Y., a Corporation. Filed Nov. 20, 1922. Serial No. 601,994. 4 Claims. (Cl. 5—257.)



1. A detachable knot or fastener for a coiled spring comprising an S-shaped hook at the free end of the coiled spring arranged at right angles to the plane of the end coil of the spring and an outwardly projecting U-shaped loop in the end coil of the spring opposite to and detachably engaging said S-shaped hook.

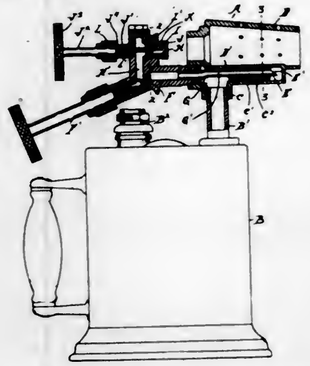
1,461,896. SAFETY SIGNAL FOR RAILWAY CROSSINGS. CHARLES E. FRY, Bloomfield, Iowa. Filed Mar. 13, 1923. Serial No. 624,726. 1 Claim. (Cl. 246—293.)

In railroad crossing signals and gates, an upwardly and transversely swinging platform between the outer side of one of the rails and the road crossing, a post at one side of said platform, a signal arm pivoted to the



post, and a single means for simultaneously swinging said signal arm and platform upwardly to an operative position.

1,461,897. TORCH BURNER. OTTO J. GAOEHN, Detroit, Mich., assignor to Clayton and Lambert Manufacturing Company, Detroit, Mich., a Corporation of Michigan. Filed Oct. 2, 1920. Serial No. 414,257. 1 Claim. (Cl. 158—33.)

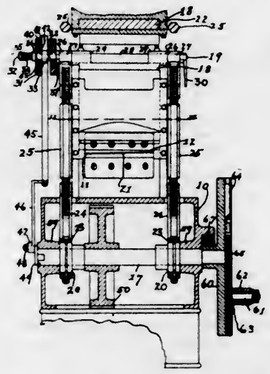


In a blow pipe torch for developing intense heat, a flame tube having an open forward end, a vapor discharge nozzle at the rear end of said tube and having a discharge port substantially in alignment with the axis of the flame tube for discharging fuel into said flame tube to mix with air and burn in said tube, an interiorly threaded portion disposed in rear of said nozzle, a stem extending through said threaded portion and adjustable toward and from said discharge port, said stem and threaded portion being in alignment with the axis of said discharge port, said stem being adapted to be withdrawn from said threaded portion, a cleanout member carried by said stem and adjustable toward and from said discharge port, a vaporizing passage leading from a source of supply of fuel to the port of said discharge nozzle, a valve for controlling the supply of fuel to said vaporizing passage located at a position remote to said discharge nozzle, said valve having a stem provided with an adjustment for positively forcing the valve to its closed position so as to control the supply of fuel to the discharge nozzle independent of the cleanout member, and means for limiting the forward movement of said cleanout member so as to prevent the latter from being forced into contact with the metal surrounding the orifice of the discharge nozzle.

1,461,898. SHEET-METAL CUTTING-OFF MACHINE. KARL WILLIAM HALLDEN, Waterbury, Conn. Filed May 22, 1920, Serial No. 383,441. Renewed Oct. 25, 1922. Serial No. 596,912. 8 Claims. (Cl. 164—49.)

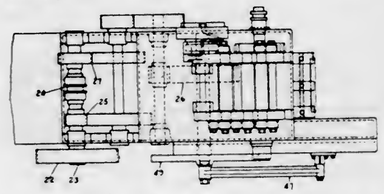
1. A cutting-off machine for sheet metal comprising a frame, feed rolls and a cutter-gate supported by the said frame, a bull-gear shaft and a counter-shaft supported by the said frame, mechanism interconnecting the said bull-gear shaft and gate for effecting a reciprocating movement of said gate, gearing interconnecting said

counter-shaft and rolls, means for driving said counter-shaft from said bull-gear shaft comprising a one-way clutch, and retarding means on the said countershaft,



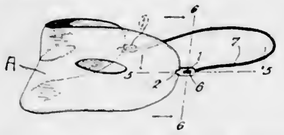
said retarding means operating in opposition to said driving means under driving conditions and serving to check reverse movement of the countershaft under non-driving conditions.

1,461,899. SHEET-METAL CUTTING-OFF MACHINE. KARL WILLIAM HALLDEN, Waterbury, Conn. Filed Dec. 22, 1921. Serial No. 524,091. 1 Claim. (Cl. 164—49.)



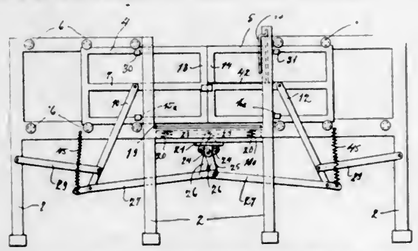
A cutting off machine for sheet metal comprising a bed, feed rolls and a cutter-gate supported by said bed, a bull-gear shaft and a one-way intermediate shaft supported by said bed, mechanism operative responsive to rotation of said bull-gear shaft for effecting a reciprocating movement of said gate, gearing interconnecting said intermediate shaft and rolls, driving means for driving said intermediate shaft from said bull-gear shaft comprising a one way clutch, and retarding means on said intermediate shaft, said retarding means operating in opposition to said driving means under driving conditions of operation and serving to check reverse movement of said intermediate shaft.

1,461,900. CORD TERMINAL FOR MASK FASTENERS. GEORGE A. HANFT, Irvington, N. J., assignor to Newark Mask Co. Inc., Irvington, N. J., a Corporation of New Jersey. Filed Dec. 4, 1922. Serial No. 604,719. 1 Claim. (Cl. 24—115.)



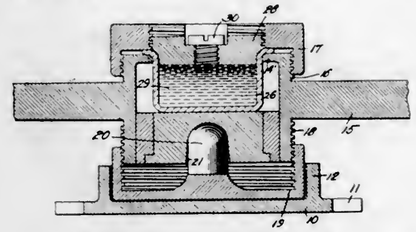
A device of the character described including a flat sheet metal body portion having a pair of oppositely disposed substantially parallel ears stamped therefrom to form an opening having one of said ears at each of two opposite sides thereof, said ears being so arranged that their adjacent edges are in spaced relation to one side of said body portion and are adapted to substantially meet in the plane of the body portion, and a cord overlying said opening beneath said ears, said ears being pressed toward said body portion tightly against said cord to hold the same against movement on said body portion in all directions.

1,461,901. AUTOMATIC BRIDGE GATE. ILKO HARMATA, Boyle, Alberta, Canada. Filed May 11, 1920. Serial No. 380,469. 1 Claim. (Cl. 39—18.)



A device of the class described comprising a frame, a pair of gates slidably supported in said frame, guide means and rollers on said frame for said gates, an opening in said frame for the passage of vehicles, posts on each side of said opening, a platform supported at the bottom of said opening, a panel under said platform rigid to said frame, a plurality of springs mounted upon said panel, said platform resting upon said springs, means operable by depression of said platform to open said gates, said means also operable by raising of said platform to close said gates, said means comprising links attached to the underside of said platform, bell cranks pivotally attached to said links, rods pivotally attached to said cranks, a rod attached at one end to each of said gates, the other end of each of said rods attached to the free end of each of said first named rods, and additional rods attached at one end to said frame and at the other end to said second named rods.

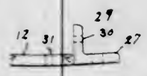
1,461,902. LEATHER GASKET. BRADFORD B. HOLMES, New York, N. Y., assignor to John W. Weeks, Secretary of War of the United States of America, trustee. Filed Apr. 19, 1922. Serial No. 555,599. 5 Claims. (Cl. 69—21.) (Filed under the act of Mar. 3, 1883, 22 Stat. L., 625.)



1. A method of forming gaskets of substantially cross sectional U-shape, including bringing a sheet of leather to the proper thickness, softening the leather by the application of oil, cutting the leather to form a disc of the desired size, drawing the disc to a cup, stretching the cup to a substantially shallow bowl shape and severing the rim and a portion of the bottom from the bowl.

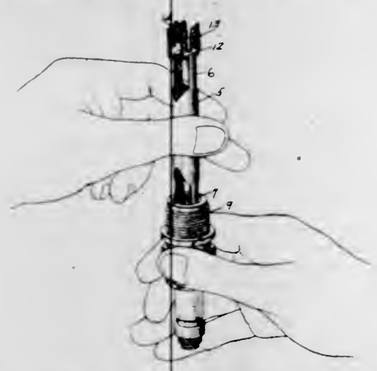
5. A method of forming a gasket of substantially cross-sectional U-shape, the sides of the U lying in planes parallel with the plane of the gasket, including drawing a disc to form a shallow bowl then severing the sides of the bowl from the rim and bottom.

1,461,903. RUNNING-BOARD APRON GUARD. SAMUEL L. HOOPES and ARTHUR A. GIETZELT, Fresno, Calif. Filed Apr. 18, 1921. Serial No. 462,137. 2 Claims. (Cl. 280—169.)



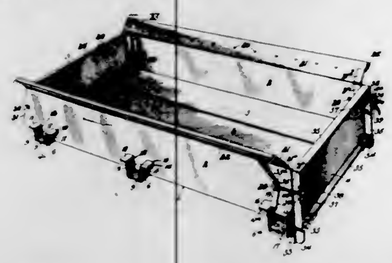
1. A guard for the running board apron of a vehicle comprising a substantially rectangular plate mounted on said running board to extend vertically; a hinged connection between said plate and running board; and means to detachably lock said plate in its vertical position.

1,461,904. CLEANING IMPLEMENT. GEORGE ARTHUR HOYEM, Lennep, Mont. Filed Sept. 28, 1921. Serial No. 503,904. 3 Claims. (Cl. 15—104.18.)



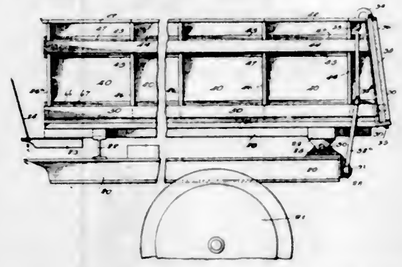
1. A spark plug cleaner, comprising a cylindrical body provided at one end with opposed, reduced, resilient legs, each leg terminating in an enlarged arcuate head, said heads having scraper blades struck outwardly therefrom, said blades extending in the same general direction as said body.

1,461,905. TRUCK BODY. ARTHUR SHERIDAN HUGHES, Mansfield, Ohio. Filed Mar. 22, 1919. Serial No. 284,293. Renewed May 15, 1923. 26 Claims. (Cl. 296—28.)



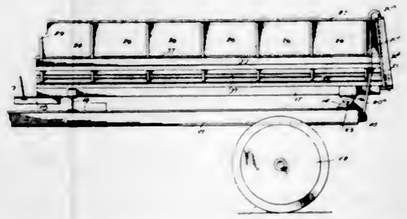
1. A vehicle body having side members of sheet metal, a bottom or floor of sheet metal of channel form and including a plurality of sheet metal channels with edge flanges, some in juxtaposition and others engaging the sides of the body, and cross bars traversing and interlocking both the juxtaposed flanges and the sides of the body where engaged by the flanges, the interlocking connection between the cross bars, the floor channels and the sides holding said parts in assembled position against movement either lengthwise or crosswise of the body.

1,461,906. SHEET-METAL CONSTRUCTION FOR TRUCK BODIES, RACKS, ETC. ARTHUR SHERIDAN HUGHES, Mansfield, Ohio. Filed Dec. 26, 1919. Serial No. 347,428. 36 Claims. (Cl. 296—28.)



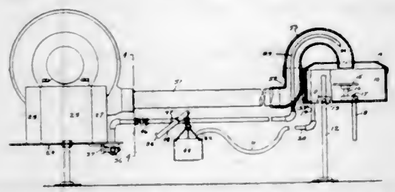
1. The combination with a plurality of channel members having their flanges facing in one direction, said flanges having spaced entering slots, of a plurality of channel bars arranged crosswise relatively to the channel members with their flanges facing in the opposite direction, said cross channel bars having their flanges provided with spaced entering slots, the flanges of said members and bars interlocking by means of said slots, the slots in the flanges of said members being of a depth to cause the flanges of the channel bars to enter the same and bear against the inner faces of said members.

1,461,907. SHEET-METAL CONSTRUCTION FOR TRUCK BODIES, ETC. ARTHUR SHERIDAN HUGHES, Mansfield, Ohio. Filed Dec. 26, 1919. Serial No. 347,429. 8 Claims. (Cl. 296—28.)



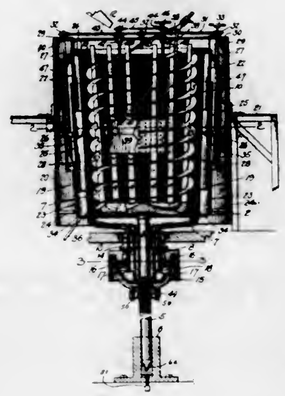
1. In a body, a plurality of channel members having their flanges facing outwardly and placed in juxtaposition and secured together to form the bottom of said body, the flange of one member being lapped over the flange of the adjacent member, each of said channel members having their flanges split and being bent upwardly a plurality of times to form integral portions comprising the sides of said body.

1,461,908. OIL BURNER. HENRY IZARD, Portland, Oreg. Filed Mar. 8, 1921. Serial No. 450,562. 4 Claims. (Cl. 158—28.)



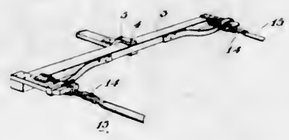
2. In an oil burner, the combination of an open top combustion box having a baffle plate in the center of its bottom with an inverted air supplying elbow suspended over the side of said box and having its outlet over said baffle plate, means for forcing air through said elbow against said baffle and an oil supply pipe within said elbow and having its discharge over said baffle.

1,461,909. CENTRIFUGAL SEPARATOR. CHARLES B. JANDOS, Windsor, Colo., assignor of two-fifths to Emilio D. De Soto, Denver, Colo. Filed Apr. 5, 1919. Serial No. 287,715. 9 Claims. (Cl. 210—68.)



2. A centrifugal separator comprising a rotary, circumferentially perforated basket, a rotary spiral blade inside the basket, a receiving surface at the lower end thereof, a mantle around the basket, and means for spraying a wash-water onto material carried on the blade.

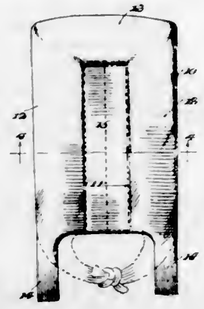
1,461,910. SINGLETREE CONSTRUCTION. LEON JEANNOTTE, Gravelbourg, Saskatchewan, Canada. Filed Dec. 28, 1921. Serial No. 525,525. 1 Claim. (Cl 280—102.)



Singletree having brackets mounted on the outer terminals thereof, the outer terminals of the said brackets extending inwardly, springs mounted on the said singletree, the outer terminals of the said springs embracing the said brackets, auxiliary compression springs adapted to tension the said springs outwardly, abutments carried by the said springs and adapted to keep the said springs in spaced relation from the inwardly extending terminals of the said brackets and retain trace connections when attached to said terminals.

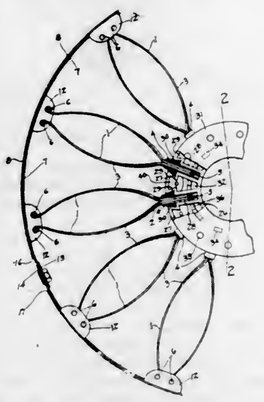
1,461,911. PNEUMATIC SUPPORT. GUS JORDAHN, Palm Beach, Fla. Filed Aug. 19, 1922. Serial No. 582,914. 3 Claims. (Cl. 9—20.)

1. A pneumatic support having a generally rectangular inflatable body provided with relatively small spaced apart tubular extensions into which air may be blown for inflating the body, said extensions having open free ends and being of a length adapting the same to effective tying



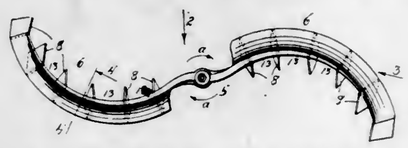
and to serve the double purpose when tied of retaining air within the body and augmenting the supporting surface of the body.

1,461,912. VEHICLE WHEEL. ADELBERT F. KELLY, Spokane, Wash. Original application filed Mar. 29, 1920, Serial No. 369,765. Divided and this application filed Dec. 30, 1920. Serial No. 434,045. 5 Claims. (Cl. 152—50.)



1. A spring-spoke wheel hub structure including a hub presenting a plurality of sockets disposed thereon in annularly spaced relation, complementary pairs of opposedly bowed spring spokes having inner portions extending inwardly through said sockets, means for securing the inner portions of each pair to said hub, and resilient means in each socket yieldingly to resist distortion of said spoke pairs.

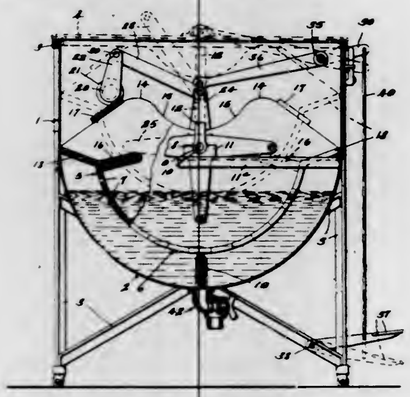
1,461,913. PROPELLER FOR FLYING MACHINES. WILLIAM H. KELLY, Cheyenne, Wyo. Filed Apr. 9, 1917. Serial No. 160,610. 14 Claims. (Cl. 170—170.)



1. A propeller including blades arranged so that a straight line connecting any two points in the front

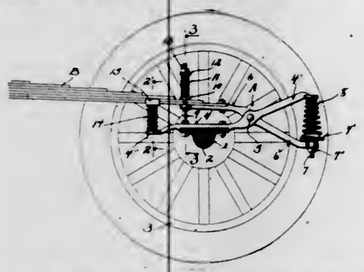
and rear edges of either blade and lying in a plane perpendicular to the longitudinal axis of the blade, shall form with a plane passing longitudinally through the axis of rotation and also through either of said points, an angle less than 45 degrees, the said blades having areas extending transversely thereof between front and rear in which lines from front to rear lie in planes parallel with the axis of rotation, the rear portion of the blade on the forwardly moving side considered with reference to its rotary movement being transversely convex, and its forward edge transversely concave.

1,461,914. WASHING MACHINE. ROBERT LELAND KINCAID, Syracuse, N. Y. Filed Apr. 30, 1920. Serial No. 377,945. 3 Claims. (Cl. 68—21.)



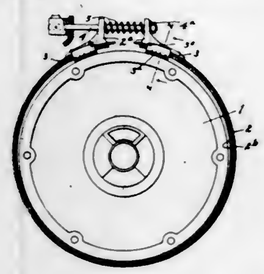
1. A washing machine comprising a tub having a semi-cylindrical bottom, a clothes receptacle mounted in the tub to rock about a horizontal axis concentric with the cylindrical bottom of the tub, the bottom of the receptacle having openings therein, blades projecting outwardly from near the upper edges of the bottom of the receptacle, the blades running close to the bottom of the tub and arranged to move in opposite halves of the bottom of the tub to lift the water alternately over the upper edges of the receptacle and onto the clothes therein when the blades approach the limit of their throw in upward directions and to create a partial vacuum behind such blades for drawing the water downwardly through the clothes and the perforated bottom of the receptacle, substantially as and for the purpose described.

1,461,915. SHOCK ABSORBER. VICTOR KREFL, Two Rivers, Wis. Filed Mar. 25, 1921. Serial No. 455,520. 3 Claims. (Cl. 257—17.)



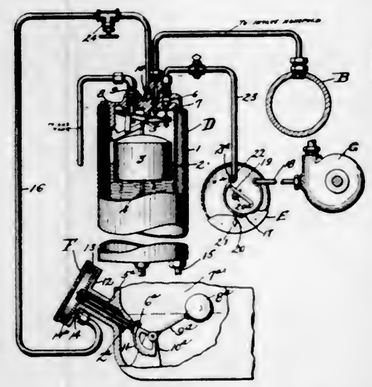
1. In a vehicle having a fixed support, a leaf spring positioned over the fixed support, pivoted cross links having ends secured to the fixed support and leaf spring, a coil spring interposed between the free arms of the cross links, tie members extending from the fixed support above the leaf spring, and recoil springs carried by the tie members engageable with the aforesaid leaf spring.

1,461,916. ADJUSTING MECHANISM FOR TRANSMISSION BANDS. ALBERT KRÊHLIK, Cleveland, Ohio. Filed Oct. 4, 1922. Serial No. 592,195. 9 Claims. (Cl. 188—249.)



5. In combination with a split transmission band, a cooperating drum, and means for expanding and contracting said band; of a removable block interposed between said drum and band and provided with means for retaining the same in position upon relative movement between said drum and band.

1,461,917. MOTOR-CONTROL MEANS AND SYSTEM AND METHOD. RUDOLPH KYSELA, Los Angeles, Calif., assignor of one-half to Leo V. Starr, Los Angeles, Calif. Filed July 20, 1921. Serial No. 486,198. 7 Claims. (Cl. 123—196.)

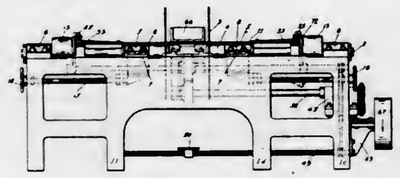


1. The combination, with a vacuum system, and a lubrication system for an internal combustion engine; said vacuum system including a casing provided on its interior with a vacuum chamber and an outer supply chamber, there being a port through which the outer chamber and inner chamber may be atmospherized and a second port leading to the interior of said vacuum chamber; means being provided between said first-named port and lubrication system whereby when the oil pump of said system exerts no pressure therein, said port will be closed, shutting off entrance of air within said vacuum chamber and outer supply chamber, thereby preventing flow of fuel to the engine.

1,461,918. HYDROMETALLURGICAL PRECIPITATION OF COPPER. FREDERICK LAIST, Anaconda, Mont., assignor to Anaconda Copper Mining Company, a Corporation of Montana. Filed Apr. 20, 1920. Serial No. 375,261. 5 Claims. (Cl. 75—18.)

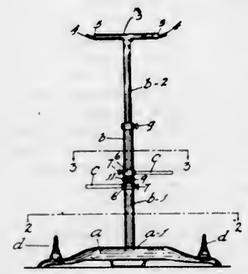
1. Method of precipitating metallic copper from solutions comprising introducing into the solution maintained under appropriate superatmospheric pressure and at a temperature below that at which substantial reaction occurs sulfur dioxid in quantity more than would be sufficient to saturate the solution at atmospheric pressure, and thereafter raising the temperature to effect the precipitation of copper, whereby metallic copper substantially free from sulfur compounds is obtained.

1,461,919. CUT-OFF SAW. THOMAS L. LA MALTA, Memphis, Tenn. Filed Apr. 12, 1922. Serial No. 551,790. 12 Claims. (Cl. 143—54.)



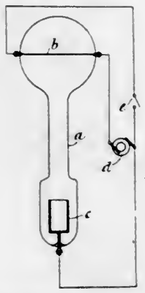
1. In a cut off saw, a frame, a feed table mounted transversely thereon, and means for actuating said table, oppositely disposed saw arbors lying substantially along the longitudinal axis of the frame, saws mounted on the said arbors at the inner or contiguous ends thereof, a bearing for the saw end of each arbor, carrying the said arbor longitudinally fixed therein, a bracket carrying the said bearing, adjustably mounted on the said frame, means for clamping the said bracket to and unclamping the same from the said frame, means for moving the said bearing longitudinally along the said frame, a fixed bearing for the outer end of each saw arbor, rigidly mounted on the said frame, a spline extending along the outer portion of the said arbor and fastened thereto, a belt pulley slidably mounted on each arbor and having a key way adapted to receive the said spline, a hub extending laterally beyond the face of the pulley and journalled in the said fixed bearing, and a collar to prevent longitudinal motion of the said pulley hub in the said bearing.

1,461,920. MUSICAL-INSTRUMENT RACK. ROBERT E. LARSON, San Diego, Calif. Filed July 25, 1922. Serial No. 577,312. 1 Claim. (Cl. 248—30.)



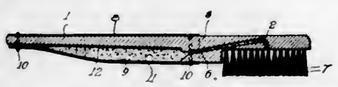
An instrument rack comprising a base member, an upright member mounted on said base member, an adjustable member provided at one end with a horizontal portion with a plurality of curved instrument support portions each off-set on said horizontal portion, adjustably mounted in said upright member, adjustable support members mounted on said upright member, and a separating member mounted on said upright member between said two last mentioned support members.

1,461,921. ELECTRIC GAS LAMP. ANTON LEDERER, Vienna, Austria, assignor to Westinghouse Lamp Company, a Corporation of Pennsylvania. Filed May 16, 1914, Serial No. 839,089. Renewed May 3, 1921. Serial No. 466,400½. 7 Claims. (Cl. 176—122.)



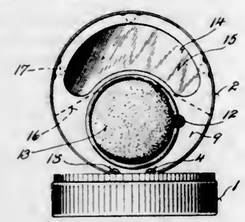
1. An electric gas lamp comprising a gas-filled envelope or container, in combination with conducting electrodes, one of which is covered with an oxide and constitutes a negative electron emitter which forms one electrode of a rectifier and the other of which is made of one of the alkali metals, and means for directly passing current through the electron emitting electrode.

1,461,922. COMBINED TOOTHBRUSH AND DENTIFRICE CONTAINER. WILLIAM E. LITTLE, Chicago, Ill. Filed May 5, 1922. Serial No. 558,634. 5 Claims. (Cl. 15—135.)



1. In combination, a tooth brush having a duct leading to the bristles thereof and having a handle, a collapsible tube having a partition forming a pair of pockets, one of which is adapted to enclose substantially the entire length of said handle, and the other of which is adapted to contain paste, said last-mentioned pocket communicating with said duct and permitting said paste to be discharged therethrough when said tube is squeezed.

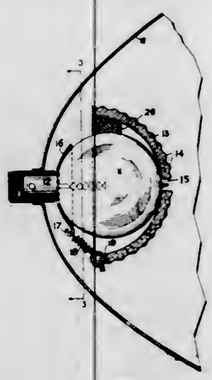
1,461,923. COMPACT ATTACHMENT. ALFRED M. LOCKE, Milwaukee, Wis. Filed Nov. 9, 1922. Serial No. 599,796. 6 Claims. (Cl. 132—83.)



6. A vanity case comprising a circular bottom portion and a hingedly-joined circular and flanged top portion cooperating therewith, a circular plate positioned

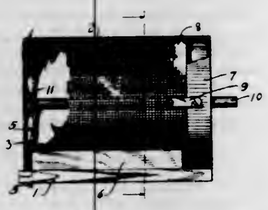
within said top portion and having a depressed cup shaped portion spacing said plate from the top of said top portion, and having a crescent shaped cut-out and a mirror positioned between said plate and said top, and having a marginal portion contacting with the flange of said top, and a second marginal portion contacting with the wall of said depressed cup portion.

1,461,924. VEHICLE HEADLIGHT. OTTO G. LUYTIES, Mount Vernon, N. Y. Filed Mar. 14, 1918. Serial No. 222,279. 18 Claims. (Cl. 240—48.6.)



1. In a vehicle headlight, in combination, a curved rear reflector, an electric bulb mounted therein, and a unitary device comprising a light-diffusing member surrounding said bulb, cushioning means and resilient securing means, said securing means, cushioning means and light-diffusing member being connected one to another.

1,461,925. FLYTRAP. JOSEPH A. MACK, Minturn, Colo. Filed Apr. 22, 1922. Serial No. 555,982. 3 Claims. (Cl. 43—118.)



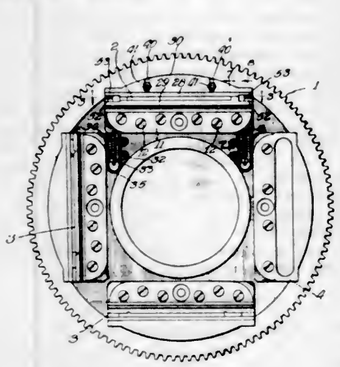
3. In a fly-trap comprising in combination a base, a cylindrical container of woven wire fabric secured to said base, an entrance port extending along said container near the base, said port comprising two rows of spaced inwardly projecting wires adapted to permit the flies to move inwardly into the container but not outwardly therefrom, an end member secured to one end of the container, a pan like member secured to the other end thereof and removably held in place thereon, said pan having an inwardly projecting annular flange, a handle extending through pan and into the container, a disc secured to the inner end of the handle and adapted to cooperate with said flange to form a cover, and a feed pan adapted to be placed on said base and having its upper side opening against the screen cylinder.

1,461,926. RAILWAY TICKET. PATRICK F. MALLOY, Milwaukee, Wis. Filed Feb. 4, 1922. Serial No. 534,202. 1 Claim. (Cl. 283—23.)



A railway ticket provided with a baggage checking section arranged at one corner thereof, said section being defined by a line of perforations whereby the same may be easily detached from the ticket and the resulting condition of the ticket made easily discernable.

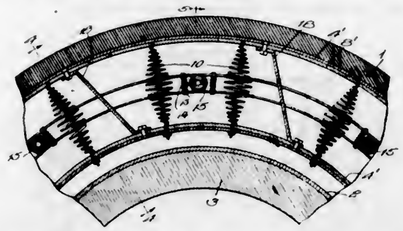
1,461,927. TYPOGRAPHICAL MOLD. HARLEY J. MEGLEY, Chicago, Ill. Filed Jan. 30, 1922. Serial No. 532,656. 33 Claims. (Cl. 199—55.)



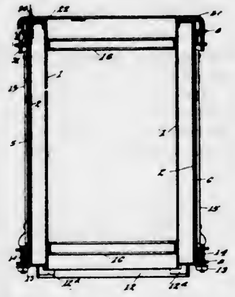
1. In a mold of the class described, a base member having an offset surface, a plate secured thereto, a jaw member having a depending flange slidably mounted between said offset surface and said plate member, spring means carried by said base member for yieldably maintaining said jaw member in closed position, a cap member, a second jaw member slidably mounted in the plane of movement of said first jaw member, said second jaw member having guide slots cooperable with posts carried by said cap member and projecting arms guided by said base member.

1,461,928. WHEEL TIRE. FREDERICK C. MILLER, Chicago, Ill. Filed Oct. 24, 1921. Serial No. 509,936. 8 Claims. (Cl. 152—8.)

1. In a device of the kind described and in combination, a felly adapted to receive an outer casing thereon, a pair of substantially semi-cylindrical members arranged annularly within said casing, the adjacent annular side edges of said members spaced apart, circumferentially spaced springs extending through said casing between both of said spaced side edges in a direction substantially parallel to the axis of the casing, and means for yieldably resisting the radial movement of said semi-cylindrical members.



1,461,929. MOLD. GILBERT K. MONROE, Sidney, Ohio. Filed Jan. 31, 1922. Serial No. 532,989. 12 Claims. (Cl. 25—127.)



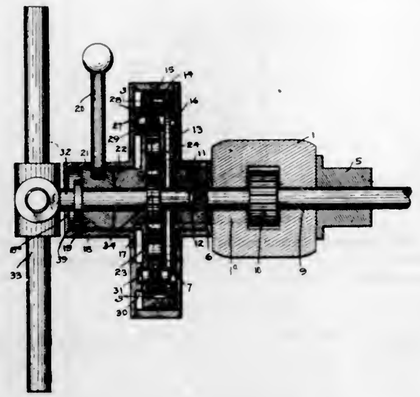
1. In a structure of the character described, inner and outer independent walls forming a molding space, an outer retaining member, and means carried by said member for supporting said walls in spaced relation with each other.

1,461,930. STEAM BOARD. WALTER W. NOBIENSKY, Janesville, Wis. Filed Jan. 27, 1923. Serial No. 615,209. 1 Claim. (Cl. 26—7.)



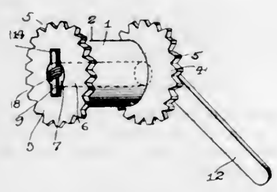
A steam board comprising a casing having a transversely arched, longitudinally tapered, perforated top, and downwardly converging lower side walls slanting downwardly towards the larger end of said table, a drain pipe opening into said casing adjacent to its lowest portion, a steam pipe extending into said casing and branching into a pair of substantially parallel pipes of unequal length, the longer of such pipes extending into the narrower portion of said casing, said pipes having downwardly opening apertures whose axes roughly parallel the converging lower side walls of said casing, whereby moisture carried by the steam will be blown downwardly and dry steam will rise from the central portion of said casing and pass upwardly through said apertured top.

1,461,931. HAND FEED FOR DRILL PRESSES. OSMOND A. OSMONDSON, Chicago, Ill. Filed Jan. 8, 1921. Serial No. 435,963. 5 Claims. (Cl. 77—32.)



1. In a hand feed for drill presses the combination with a spindle actuating gear and an operating member, of change speed mechanism for transmitting motion from said member to the gear, said mechanism including an internal gear, a cage, and a train of gears in the cage and meshing with the internal gear, means under the control of the operator for shifting said cage to one position to reduce the speed of the driven gear, to another position to insure equal speed of said member and gear and to a third position to uncouple the drive connection between said member and gear, and means for securing said shifting means in one of its positions.

1,461,932. TOY. STANLEY PENKSA, Long Island City, N. Y. Filed Aug. 23, 1920. Serial No. 405,373. 12 Claims. (Cl. 46—45.)

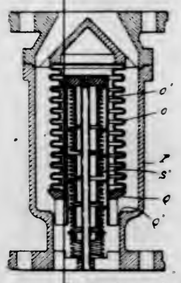


1. A device of the character described consisting of a spool having vertically extending wheel forming flanges upon the spool, a resilient band extending through the bore and manually operable means for winding said band, one of said wheels being of greater diameter than the other, said means consisting of a lever over which one end of said band is looped.

1,461,933. SPEED GOVERNOR FOR INTERNAL-COMBUSTION ENGINES. E RALPH PIERCE, Rochester, Mich., assignor to Monarch Governor Company, Detroit, Mich., a Corporation of Michigan. Filed Oct. 31, 1919. Serial No. 334,748. 5 Claims. (Cl. 137—153.)

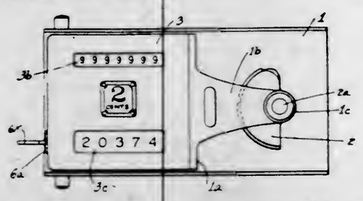
4. A governor for internal combustion engines comprising a controlling member subjected to variable pressures incident to variations in operating the engine, a plurality of springs arranged to form an opposing pres-

sure upon said member, and means for limiting the action of one of said springs whereby the combined action



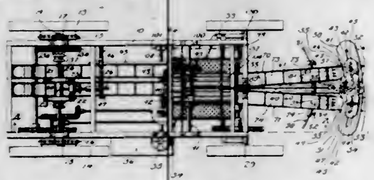
of said springs corresponds to a predetermined characteristic such as to maintain under changing loads a substantially constant speed.

1,461,934. REGISTER FOR POSTAGE-MARKING MACHINES. ARTHUR H. PITNEY and JACOB W. OGDEN, Stamford, Conn., assignors to Universal Postal Machines Corporation, Stamford, Conn., a Corporation of Delaware. Filed June 7, 1922. Serial No. 566,593. 19 Claims. (Cl. 101—91.)



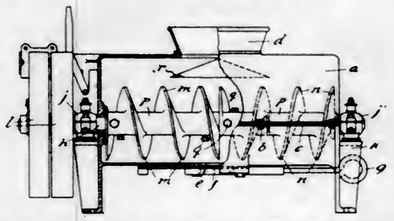
1. An attachment for the purpose specified, comprising a base, a rotatable printer mounted thereon; a casing on the base beside the printer; a total counter and a sub-total counter in the casing; gearing between the printer and said counters whereby each counter is turned one unit for each rotation of the printer; and means for locking the printer against rotation when the attachment is removed from the machine whereby it is operated, and for releasing the printer when the attachment is placed in the machine.

1,461,935. POTATO DIGGER. AUGUST J. RAASCH, EDWARD H. RAASCH, and HANS A. OLSEN, Milwaukee, Wis. Filed Feb. 1, 1921. Serial No. 441,558. 4 Claims. (Cl. 55—9.)



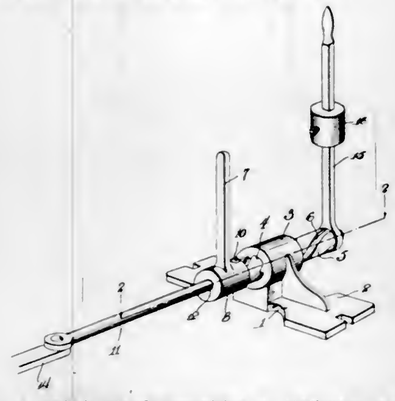
1. A potato digger comprising a vehicle, a plurality of conveyors pivotally connected to the vehicle and extending downwardly and forwardly therefrom, a beam extending downwardly and forwardly from the vehicle and having a plurality of transversely disposed arcuate guides at its forward end concentric with the pivots of the respective conveyors and on which the forward ends of the conveyors are adjustably supported, means for scooping the potatoes from the ground and delivering them onto the conveyors and means for operating the conveyors to deliver the potatoes onto the vehicle.

1,461,936. SAND OR LIKE MIXING MACHINE. JOHN WILLIAM RICHARDS, Coseley, near Bilston, England, assignor to A. Harper Sons and Bean Limited, Dudley, Worcestershire, England. Filed Dec. 9, 1922. Serial No. 605,779. 4 Claims. (Cl. 259—9.)



1. In a sand mixing machine, a trough container of depth greater than its breadth, apertures for respectively introducing material into the trough and for discharging it therefrom, a rotatable shaft eccentrically mounted within the trough, two solid, independent helical blades of right and left-hand pitch, respectively, carried by the shaft and disposed respectively toward opposite ends thereof, the inner ends of the said helical blades terminating in a substantially common plane.

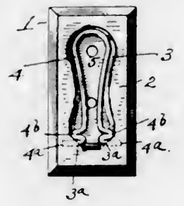
1,461,937. AUTOMATIC SWITCH STAND. SHERROD RIDDEL, Springfield, Ill., assignor of one-fourth to Warren W. Albright and one-fourth to William Lahners, both of Decatur, Ill., and one-fourth to James J. Graham, Springfield, Ill. Filed Mar. 15, 1922. Serial No. 543,978. 2 Claims. (Cl. 246—40.5.)



1. A switch stand comprising a stationary screw-threaded sleeve, a screw-threaded actuating member engaged with the threads in said sleeve, an operating rod connected to said actuating member whereby said rod will be actuated longitudinally when said actuating member is turned in said sleeve, means fixed to said actuating member to be forcibly engaged for imparting an initial rotary motion to said actuating member, and a weighted lever mounted on the end of the actuating member for continuing the rotary movement of said actuating member after the initial impetus has been imparted to said means.

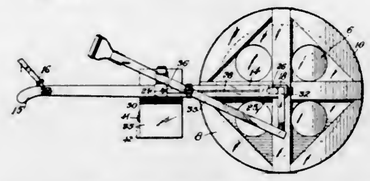
1,461,938. SUPPORTING DEVICE. JACOB B. ROSE, Cleveland, Ohio, assignor to The Osborn-Crew Manufacturing Company, Cleveland, Ohio, a Corporation of Ohio. Filed Oct. 13, 1921. Serial No. 507,529. 6 Claims. (Cl. 248—24.)

1. In a device of the character described, a base member, a supporting member pivotally mounted at one of its ends on said base, said base being provided with surfaces adapted to be engaged by the supporting member as it is moved on its pivot to thereby deform said sup-



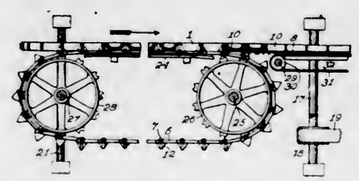
porting member from its natural position, whereby the supporting member returns to its initial position when released.

1,461,939. WIRE CART. EDGAR R. SAGER, U. S. Army. Filed Sept. 4, 1920. Serial No. 408,340. 11 Claims. (Cl. 179—29.)



1. A cart of the character described, comprising a reel mounted on and rotatable with the cart axle, shafts engaged with the axle and electrically connected to said reel through the axle, and intelligence transmitting and receiving means supported on said shafts and electrically connected thereto.

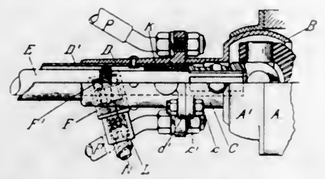
1,461,940. TRANSLATIONAL SECTIONAL-MOLD ASSEMBLAGE. ERNEST E. SCHENK, Webster City, Iowa. Filed Apr. 7, 1922. Serial No. 550,539. 4 Claims. (Cl. 25—99.)



1. In mechanism of the character described, separably assembled and engaged, and longitudinally alined molds, and translational means therefor including projections thereon insertable between and withdrawable from the molds to close the ends of the molds.

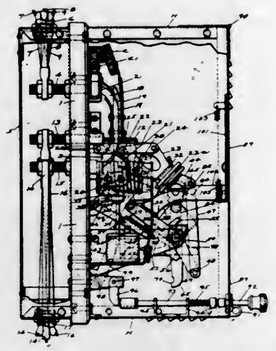
1,461,941. TRANSMISSION DRIVE. WILLIAM H. SCHULZE, Chicago, Ill., assignor to Stewart-Warner Speedometer Corporation, Chicago, Ill., a Corporation of Virginia. Filed June 23, 1922. Serial No. 570,482. 2 Claims. (Cl. 74—7.)

1. In a motor vehicle, an instrument drive connection comprising the propeller shaft housing member of a universal joint between said shaft housing and the transmission casing, said member having a gear pocket situated laterally of the propeller shaft the axis of said pocket extending forwardly and obliquely with respect to the shaft, a gear cut in the shaft at the entrance to said pocket; a screwed-in closure for said pocket having a journal bearing therethrough; a shaft journaled in said closure journal bearing; a gear on the inner end of said shaft meshing with the gear on the propeller



shaft; said closure being exteriorly formed for attachment thereto of a casing of a flexible shaft, and the shaft journaled therein being exteriorly formed for coupling to the rotary member of the flexible shaft.

1,461,942. SWITCHING APPARATUS. WILLIAM M. SCOTT, Tredyffrin Township, Chester County, Pa. Filed May 21, 1920. Serial No. 383,031. 45 Claims. (Cl. 200—89.)



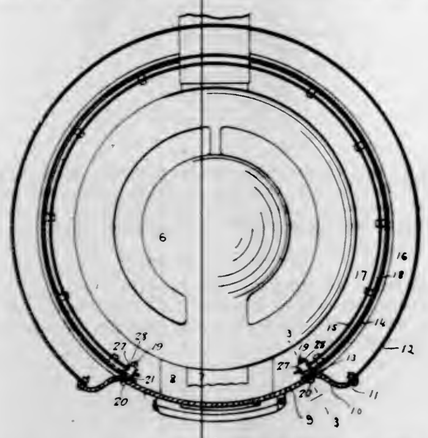
44. The combination with a switch unit comprising a movable contact member and operating and restraining means therefor, of a non-closable unit comprising an actuated member, an actuating member for actuating said actuated member and disengageable therefrom, a link connecting said actuated member with said operating means of said switch unit, and means for effecting disengagement of said actuated member from said actuating member comprising coacting members one of which has an elongated arcuate surface disposed adjacent to and adapted to engage with the other, and electro-responsive means for controlling said restraining means and for effecting engagement of said co-acting members to disengage said actuated member from said actuating member.

45. Circuit breaker mechanism comprising a movable contact member, a plural link toggle co-acting with said contact member for operating the same, main and secondary operating levers, means forming a detachable connection between said operating levers, and a pivotal operating connection between said secondary operating lever and said toggle.

1,461,943. HEATER-CASING CONSTRUCTION. JACOB J. SEEMANN, Utica, N. Y., assignor to Utica Heater Company, Utica, N. Y., a Corporation. Filed July 24, 1922. Serial No. 576,988. 8 Claims. (Cl. 126—114.)

1. In a heater casing construction, the combination of a panel front having its side edges provided at intervals with bolt-receiving apertures, outer casing-holding means at the rear of each side edge of said panel front with

bolt holes opposite the bolt holes in the panel, bolts extending loosely through said panel apertures and extending through said outer casing-holding member and projecting inwardly thereof, a spool mounted on said inward portion of each bolt, a nut on the inner end of



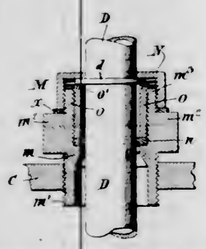
each bolt, an outer casing held between the rear of the panel front and said outer casing-holding member and an inner casing having apertures near its vertical edges and registering with said spools whereby said inner casing is hooked onto said spools.

1,461,944. IMPULSE SENDER. MICHEAL SETTER, Chicago, Ill., assignor to Automatic Electric Company, Chicago, Ill., a Corporation of Illinois. Filed Apr. 8, 1918. Serial No. 227,402. 9 Claims. (Cl. 74—54.)



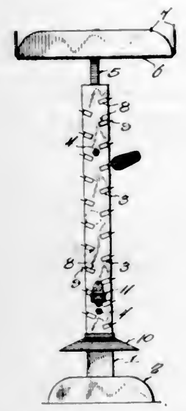
1. In a ratchet driven mechanism, an element to be driven having ratchet teeth on one of its surfaces, a hand operated driving element, having an opening therein, a pawl adapted to be inserted into said opening and cooperating with said driving element to drive said element, and a leaf spring mounted adjacent said opening and having a projection which acts as a sole support for said pawl and holds it in engagement with the ratchet teeth of the driven element through said opening.

1,461,945. DEVICE FOR CONNECTING SUCTION PIPES TO TANKS AND OTHER RECEPTACLES. WILLIAM C. SHANLEY, Des Moines, Iowa. Filed Feb. 21, 1921. Serial No. 446,651. 3 Claims. (Cl. 285—124.)



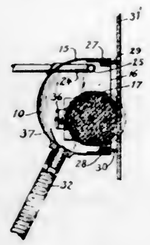
1. The combination with a suction pipe of a gland for connecting the pipe with a receptacle, comprising a threaded body portion adapted to be secured to the receptacle and having an internally threaded chamber, a threaded sleeve adapted to engage the internally threaded part of the gland, packing held in place within the gland by the sleeve, a cap through which the suction pipe extends and which has a threaded engagement with the gland and packing held in place on the gland by the cap.

1,461,946. RACK FOR DRYING SEED CORN. PAUL E. SIEVERT, Watertown, Wis. Filed Oct. 12, 1922. Serial No. 594,003. 2 Claims. (Cl. 34—26.)



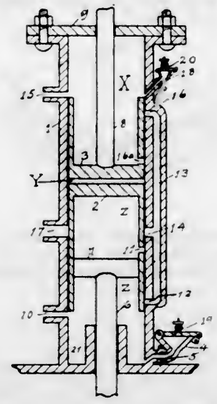
2. A device of the character described comprising a pair of spaced uprights having their edges provided with inclined recesses, brace members connecting said uprights, a cover supported above the uprights and provided with upturned edges cutaway at the corners to permit drainage of the cover, rack bars detachably mounted in said recesses and provided with pins projecting therefrom, and guards carried by said uprights and surrounding the same to prevent access of rodents to the rack bars.

1,461,947. WINDOW-CLEANING DEVICE. PAUL SPORER, Chicago, Ill. Filed May 13, 1920. Serial No. 380,969. 7 Claims. (Cl. 15—130.)



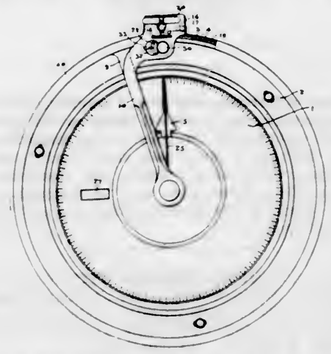
1. In a device of the class described, a cleaning member comprising a casing having an open face, a revoluble washing element, bearing plates for said element mounted in said casing and movable toward and from said open face, means for limiting the advance of said plates toward said open face, springs normally maintaining said plates in their advanced position, and means for supplying fluid to said washing element.

1,461,948. INTERNAL-COMBUSTION ENGINE. BOLESLAW STOSIK, Denver, Colo. Filed May 2, 1921. Serial No. 465,993. 5 Claims. (Cl. 123—69.)



1. In an internal combustion engine the combination with a cylinder having two inlet ports and one exhaust port in the side thereof and a bypass passage in the wall thereof, of two tubular pistons arranged to create three chambers in the cylinder, to cover and uncover the said inlet ports and to register with the said bypass passage thru a port provided in the wall of each piston in order to connect the three chambers for the purpose specified.

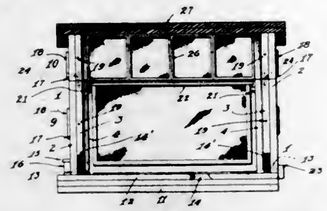
1,461,949. DIAL-SCALE PRINTING DEVICE. MELVIN ARVINE SWEET and GEORGE WILLIAM BRITTON, Hamilton, Ontario, Canada. Filed June 20, 1919. Serial No. 305,516. 8 Claims. (Cl. 234—1.)



1. In a dial scale recording device, the combination with the dial and a circular frame surrounding the dial, of type characters arranged on the perimeter of said dial frame, a carriage supported from and embracing said dial frame and adapted to be moved concentrically thereabout being operable from the front of the dial, and means manually operable from the front of the scale supported by said carriage for taking an impression from the type.

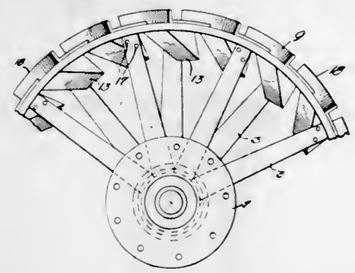
4. A dial scale recording device, comprising a rim, type characters arranged on said rim in radial alignment with the scale markings of the dial and corresponding therewith, a rotatable member adapted to be moved around said rim, a supplementary type supporting member arranged upon said rotatable member and adapted to align with individual numerals or characters, and means for effecting the impression of the type.

1,461,950. BEEHIVE. JOHN TOTH, Bartonville, Ill. Filed Apr. 1, 1922. Serial No. 548,599. 2 Claims. (Cl. 6—1.)



1. A bee hive including in its construction a lower section comprising a base, a pair of walls erected thereon spaced from one another in parallel planes, a support for each wall for maintaining it in fixed position and spacing it above the base, each wall at its vertical edges being rabbeted, the rabbets being on the surfaces of said walls that face one another, other walls abutting at their ends upon the first named walls, the second named walls also being rabbeted to fit the rabbets of the said first named walls to form a cold tight joint, means to secure the walls in position but permit their quick removal, an upper section comprising walls likewise rabbeted separable from one another adapted to rest upon the walls of the lower section, means to secure the walls of said upper section against lateral displacement with respect to the walls of said lower section, the enclosed space of the upper section communicating with that of the lower section, and a closure for the upper section constituting a covering for the entire hive.

1,461,951. TRACTOR WHEEL. WALLACE W. TUTTLE, Detroit, Mich. Filed June 23, 1920. Serial No. 391,000. 5 Claims. (Cl. 301—53.)



3. In a tractor wheel, a hub member, a series of spokes emanating from each end thereof, a pair of rim members, each secured to one of the series of spokes, a plurality of cleat members secured to the rim members and spacing the same, the cleat members being positioned at an angle to the axis of rotation of the wheel and each being provided with a pocket open to the periphery of the wheel and extending inwardly toward the hub in the space between the rim members, the said socket of each cleat member being attached to an adjacent spoke.

1,461,952. EXTENSION LADDER. GEORGE H. WALCHLI, St. Louis, Mo., assignor to Kant-Break Ladders, Inc., St. Louis, Mo., a Corporation of Missouri. Filed May 6, 1922. Serial No. 558,931. 3 Claims. (Cl. 228—58.)

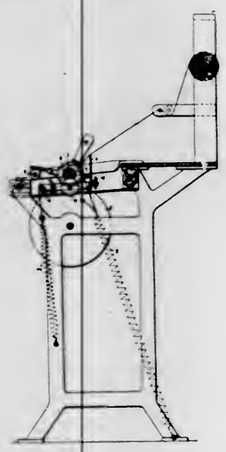
1. In a ladder having a pair of wooden sides and wooden rungs between said sides with their ends countersunk therein, said sides being provided with grooves along their edges and across their upper ends, a con-

tinuous wire embedded in the grooves of each side and spaced bracing bolts through said sides, a hook at one



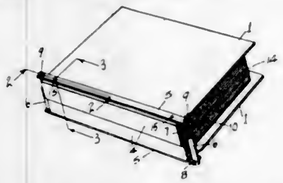
end of each bolt, a nut threaded on the other end thereof and a hooked washer under said nut, said hooks engaging with said wire.

1,461,953. DISK SPOOLING MACHINE. GEORG MAX WEHNER, Dresden, Germany. Filed May 24, 1921. Serial No. 472,076. 5 Claims. (Cl. 242—16.)



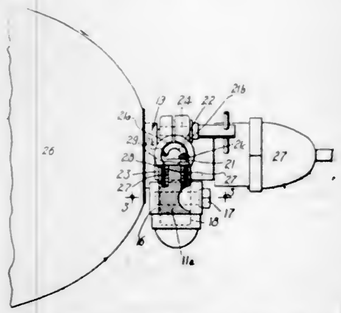
1. In a spooling machine the combination of a spool carrying mechanism having a driving roller, a driving wheel, a thread regulating mechanism having a roller adapted to roll in contact with the spooled yarn, a spring connected with the spool carrying mechanism and operative to force the driving roller thereof in contact with said driving wheel, a weaker spring connected with said thread regulating mechanism and operative to press its roller in contact with the winding spool in yielding opposition to said spring connected with the spool carrying mechanism until said spool is filled to a determinate point, and means for arresting at the determinate point the yielding action of said thread regulating mechanism, whereby the spool carrying mechanism is disconnected from the driving mechanism and stopped.

1,461,954. TEMPORARY BINDER OR LOOSE-SHEET HOLDER. GEORGE P. WIGGINTON, Kalamazoo, Mich., assignor to Kalamazoo Loose Leaf Binder Co., Kalamazoo, Mich. Filed June 10, 1921. Serial No. 476,417. 12 Claims. (Cl. 129—8.)



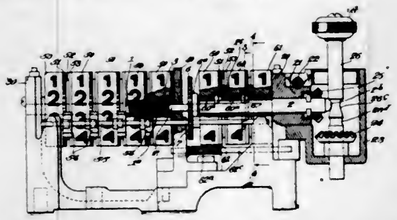
8. In a loose leaf binder, the combination of cover members, binding bars, post bars provided with sheet-engaging posts and with means for detachably engaging said covers and binding bars.

1,461,955. SPOTLIGHT BRACKET. RALPH E. WILLIAMS, Santa Ana, Calif., assignor to Williams Manufacturing Company, a Corporation of California. Filed Sept. 17, 1917. Serial No. 191,840. 3 Claims. (Cl. 240—7.)



3. In an adjustable headlight, a mounting bracket, a mounting member on a vertical pivot on the bracket, a horizontal pivot shaft revoluble in the mounting member and carrying a lamp, said shaft having two lugs spaced transversely of the shaft, and changeable stop means on the bracket that may be changed between positions where it lies beneath either one or the other of the shaft lugs.

1,461,956. ODOMETER-TRAIN-RESETTING DEVICE. ANDREW C. WOOD, Chicago, Ill., assignor to Stewart-Warner Speedometer Corporation, Chicago, Ill., a Corporation of Virginia. Filed Apr. 21, 1920. Serial No. 375,515. 3 Claims. (Cl. 235—144.)



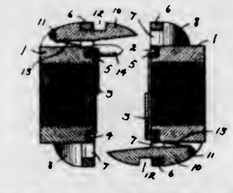
1. In a counting mechanism and the like which comprises a main train shaft, and a series of decimally-successive counter wheels in laterally successive position thereon with the initial wheel of the series positively

engaged with the shaft for rotation and the remaining wheels of the series mounted loose on the shaft for rotation, and which comprises also means for carrying from each decimally lower denomination wheel to the next higher denomination wheel in the advance direction of the lower denomination wheel, and regular means for rotating the shaft to rotate the lower denomination wheel in advance direction; one-way-positive engaging means for engaging the shaft with the wheels above the lowest denomination in the rotation of the shaft in reverse direction; means for disengaging the shaft from the regular advance driving means, and means separate from said advance driving means for rotating the shaft in either direction at will.

1,461,957. PROCESS OF RECOVERING TIN FROM IMPURE ORES. HARRY H. ALEXANDER, Westfield, N. J., assignor to American Smelting and Refining Company, New York, N. Y., a Corporation of New Jersey. Filed Apr. 28, 1919, Serial No. 293,183. Renewed Apr. 20, 1922. Serial No. 555,796. 12 Claims. (Cl. 75—17.)

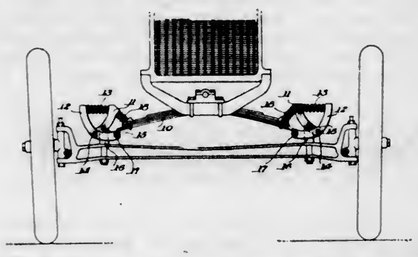
1. In the art of extracting metallic tin from ores, the process which consists in treating the ore in a blast furnace with suitable material adapted to form silicates of tin, and removing said silicates of tin as a slag.

1,461,958. COUPLING. FRANK O. ARNOLD, Duluth, Minn. Filed May 16, 1921. Serial No. 470,094. 2 Claims. (Cl. 285—58.)



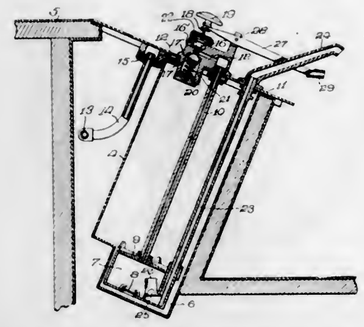
1. The combination with a coupling of the character described comprising two like separable flanged halves, of means for automatically holding the halves together when united comprising a pivotally mounted depressible dog extending through one of the two diametrically opposed holes in the flange of each half.

1,461,959. SHOCK ABSORBER. ROBERT ARROWSMITH, Homestead, Mont. Filed Jan. 10, 1922. Serial No. 528,282. 2 Claims. (Cl. 267—17.)



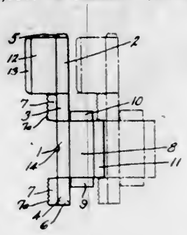
1. A shock absorber for vehicles comprising in combination with a main spring, of twin compression arms, a cushioning element interposed between and connecting the free extremities of said arms, one end of one of said arms being pivoted upon the other of said arms at a point in its length, a perch pivotally supporting the first mentioned arm, the said second mentioned arm having one end curved beneath the first mentioned arm and pivotally connected with the adjacent extremity of the main spring, and a cushioning element interposed between said curved extremity of the second mentioned arm and the main spring for the purpose specified.

1,461,960. SIRUP JAR. CHARLES L. BASTIAN, Chicago, Ill., assignor to The Bastian-Blessing Company, Chicago, Ill., a Corporation of Illinois. Filed Feb. 3, 1919. Serial No. 274,629. 7 Claims. (Cl. 225—35.)



1. In a liquid dispensing apparatus, a counter or the like, a pipe associated with the counter or the like for supplying fluid under pressure, a jar supported by the counter or the like and detachable with respect thereto, means in the jar for measuring a charge of liquid of predetermined volume, a discharge nozzle carried by the jar, a passage in the jar connecting the measuring means with the discharge nozzle, a second passage in the jar associated with the measuring means, valve means carried by the jar for controlling the second passage, and means for detachably connecting the second passage to the pipe.

1,461,961. PAPER FOLDING BOX. SAMUEL BERGSTEIN, Middletown, Ohio, assignor to Interstate Folding Box Company, Middletown, Ohio. Filed Aug. 10, 1922. Serial No. 580,839. 2 Claims. (Cl. 229—38.)



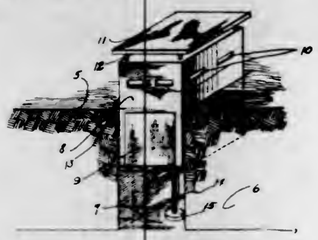
1. A paper folding box, consisting of a one-piece forming blank comprising parts arranged end to end one with another in a strip, the opposite ends of the strip being adapted to be joined one to the other to form the sides and ends of the box, the top and bottom of the box being open, a part attached to one of said side parts, extended laterally at right angles thereof, and having opposite longitudinally extended flaps and a laterally extended flap adapted to be folded and tucked in one of said openings from the bottom of the box and to reinforce the ends and one side thereof, and a part attached to the other of said side parts, extended laterally at right angles thereof, oppositely of said bottom part, and having a laterally extended flap adapted to be folded and tucked in the other of said openings to form the top of the box.

1,461,962. EGG BEATER. ALEXANDER BEVAN, Providence, R. I. Filed Feb. 24, 1920. Serial No. 360,683. 3 Claims. (Cl. 259—132.)



1. An egg beater comprising a supporting frame forming a handle at its upper end and a rest at its lower end, upper and lower bearing-bars detachably secured to said frame, a driving gear, a driving shaft mounted in said bearing-bars, a pinion on said shaft engaging said driving gear, an inner beater frame, a coupling connecting said beater frame to said shaft, a bearing member rotatably mounted on said shaft between said coupling and said lower bearing-bar and retained from longitudinal movement thereby, a pinion on said rotatable bearing member engaging said driving gear, and an outer beater frame supported on said rotatable bearing member whereby said beater frames are rotated in opposite directions.

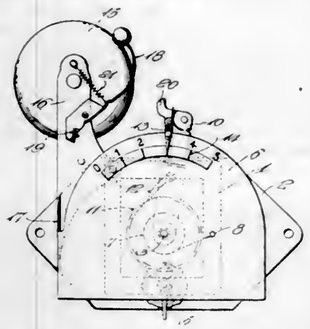
1,461,963. TRENCH DEFENSE. JOSEPH BIENECK, San Antonio, Tex. Filed Jan. 24, 1923. Serial No. 614,525. 2 Claims. (Cl. 89—36.)



1. In a military trench having lateral recesses, armored structures disposed in the recesses at spaced intervals, said structure being adapted to protect its inmates, loopholes in said structure, means for ingress and egress thereto, means for raising and lowering said structure, and a supplementary flat roof thereover adapted to be disposed level with the soil.

1,461,964. TIMING DEVICE FOR CREAM TESTERS. SILAS ZANE BLAND, Neoga, Ill. Filed Oct. 5, 1922. Serial No. 592,546. 2 Claims. (Cl. 161—15.)

1. In a structure of the character described, a frame including spaced plates and a train of gearing, including a ratchet wheel, a signal including a striker movably mounted, a rotatably mounted sleeve extending axially of said ratchet wheel, a spring coiled about said sleeve and having one end connected therewith and its other end connected with a portion of said frame, a dial, an arm carried by said sleeve and extending in operative relation to said dial and movable into and out of position for operative engagement with said striker, and a pawl carried by said arm and engaging said ratchet wheel, the



pawl moving freely over the ratchet wheel when the arm is swung to a set position and the pawl engages the ratchet wheel to permit control of the swinging of said arm by said gearing when the arm is moved toward operative engagement with said striker by said spring.

1,461,965. TRACTOR STEERING MECHANISM. JOSEPH G. BOLTE, Davenport, Iowa. Original application filed June 26, 1919, Serial No. 306,777. Divided and this application filed Dec. 17, 1921. Serial No. 523,250. 3 Claims. (Cl. 280—93.)



1. In a tractor steering mechanism a trussed frame supporting an arched collar capable of pivotally supporting an engine thereon and having spaced in either of its ends perpendicular boxing means, one of which boxings is formed into a stub axle having radial gears the other of said boxings is formed into a flanged plate having radial gears and lever means suitable for permitting them to be operated connectively with a steering mechanism by means of steering rods and pull rods all for the purposes specified.

1,461,966. MACHINE FOR MAKING PAPER FOLDING BOXES AND THE LIKE. CHARLES BUTTERFIELD, Middletown, Ohio, assignor to The Interstate Folding Box Company, Middletown, Ohio. Filed Mar. 23, 1922. Serial No. 546,044. 24 Claims. (Cl. 93—49.)



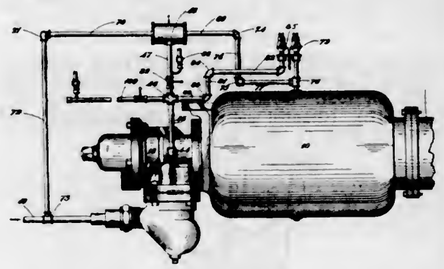
1. A machine of the character described, including in combination, a paper blank feeding mechanism, and a series of folding mechanisms arranged in units to effect successive folding operations on the blanks as the same are delivered from the blank feeding mechanism, and including means to move the blanks from one unit to another of said mechanism, one of said units comprising coacting rollers timed to receive the blanks singly from said feeding mechanism, and having a coacting projection and depression thereon respectively to effect the initial fold on an edge of each blank.

1,461,967. PROCESS FOR MAKING PAPER FOLDING BOXES OR THE LIKE. CHARLES BUTTERFIELD, Middletown, Ohio, assignor to The Interstate Folding Box Company, Middletown, Ohio. Filed Mar. 23, 1922. Serial No. 546,045. 9 Claims. (Cl. 93—49.)



1. The herein described process of making paper folding boxes, consisting in preparing blanks of uniform size, in feeding the blanks progressively to a box making apparatus, in causing the blanks to be moved without pause through said apparatus, in effecting successively folding of the front and rear edges of each blank, and subsequently thereto in effecting simultaneously folding of the opposite side edges of each blank, as the same are advanced through said apparatus, in causing adhesive junctures to be made between folded portions of each blank, and in causing the blanks to be delivered singly from said apparatus in knocked-down form.

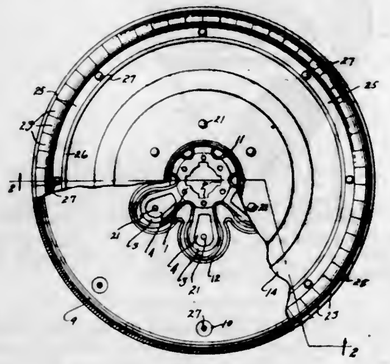
1,461,968. AIR BRAKE FOR TRAINS. EDWARD M. CAVANAGH and ROBERT E. MCFARLANE, Ottawa, Ontario, Canada. Filed Feb. 7, 1922. Serial No. 534,807. Claim. (Cl. 303—77.)



In combination with a railway air brake system, pressure operated retainers, pipe connections between the triple valve and controlling valve, pipe connections between the auxiliary cylinder and said controlling valve, pipe connection between said controlling valve and the regular train pipe line, said controlling valve consisting of a head, cylinders formed in each end of said head, pistons reciprocally positioned in said cylinders, a connecting piston rod between said pistons, an air chamber between said cylinders, an intake opening from the first said pipe connection, an exhaust opening from said air chamber, a valve member carried by said piston rod to control said intake opening, said valve member consisting of a tapered block adapted to normally seat upon the beveled end of the pipe and to close the first said pipe connection and to be controlled by relative pressure of the air in the other said pipe connections on said pistons.

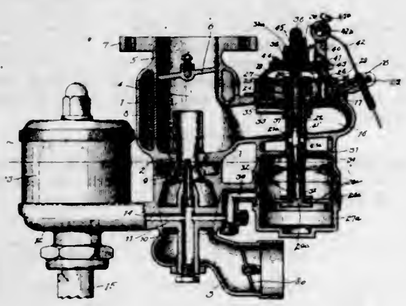
1,461,969. SHOCK-ABSORBING DISK WHEEL. GABRIEL A. CHEREMISINOFF, Highland Park, Mich. Filed Feb. 23, 1923. Serial No. 620,768. 5 Claims. (Cl. 152—45.)

3. A shock absorbing disk wheel comprising a driving hub having a series of lugs formed integrally therewith and extending radially therefrom, a steel spring extending about and between the lugs of the hub, a driven disk provided with a central aperture for the hub and a series of notches opening thereinto for receiving the lugs of the hub and the steel spring, the said disk being provided with a peripheral flange and with a flange about the said notches adapted to be engaged by the spring, a pair of outer disks engaging the opposite sides of the driven disk



between the flanges, means for varying the tension between the outer and driven disks and a flexible tire portion adapted to engage the peripheral flange of the driven disk on the lower side when a weight is placed on the wheel.

1,461,970. CARBURETOR. DON COLE and CHARLES J. GUSTAFSON, Chicago, Ill., assignors to Stromberg Motor Devices Company, Chicago, Ill., a Corporation of Illinois. Filed June 19, 1914, Serial No. 845,999. Renewed Oct. 16, 1922. Serial No. 594,901. 2 Claims. (Cl. 261—48.)

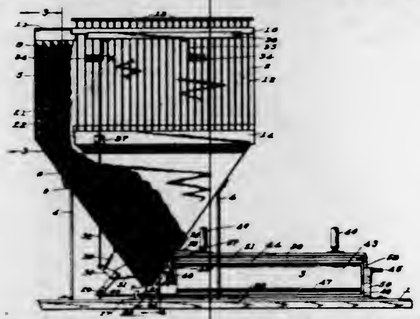


1. In a carburetor, an automatic air valve, a fuel nozzle moving therewith, a valve for said fuel nozzle, means for adjusting the normal position of said valve, and temporary adjusting means for increasing the tension on said air valve and for raising said fuel valve later in the adjusting movement.

1,461,971. HAND-STAMP-ASSEMBLING MACHINE. GEORGE H. COLE, Wenona, Ill. Filed Oct. 4, 1920. Serial No. 414,490. 6 Claims. (Cl. 276—20.)

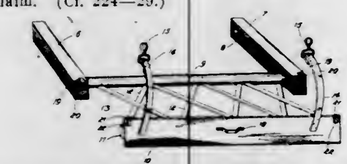
1. In a machine of the character described, in combination, a type magazine divided into a plurality of vertically arranged type containing compartments, a key-board, a plurality of keys associated with said board, one for each compartment, tripping means operable in each compart-

ment to control the release of the type from said compartments, operating connections between said tripping



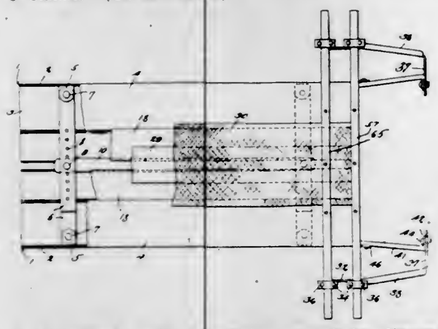
means and said keys, a spacer bar, and means actuated by said spacer bar for moving the type discharged from the magazine to assembled position

1,461,972. INVISIBLE BAGGAGE GUARD FOR MOTOR CARS. THOMAS DAINES, Penticton, British Columbia, Canada. Filed Aug. 1, 1921. Serial No. 489,102. 1 Claim. (Cl. 224—29.)



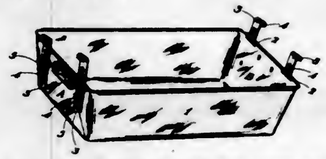
The combination with the running board of an automobile, of longitudinally slotted members on the underside of said running board, a rod extended in the direction of the length of the running board and guided in said slots, a front board parallel with the running board, a secondary member on the inner face thereof, crossed strap members connected to said rod and secondary member, straps secured to said front board and having means at their ends for detachable connection with means on the automobile body, and interengaging means on the front board and slotted members for keeping the parts in closed position.

1,461,973. CULVERT MOLD. THOMAS DE LA MARE, Tooele, Utah. Filed Mar. 11, 1921. Serial No. 451,426. 9 Claims. (Cl. 25—131.5.)



1. A culvert mold comprising oppositely disposed trough-shaped main members each including a bottom, a side wall and a top; means for bridging the space between the tops of the main members; and braces pivoted to the tops of the main members and engaged detachably with the bottoms of the main members.

1,461,974. BREAD PAN. CLARA DRIVER, Thessalon, Ontario, Canada. Filed Feb. 7, 1922. Serial No. 534,828. 2 Claims. (Cl. 53—6.)



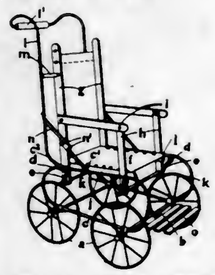
1. A bread pan having imperforate ends, and strips slidable through said ends with their lower portions on the outside of the pan and their upper portions disposed inside the pan to extend above the upper edge thereof to prevent the bread from rising over the ends of the pan.

1,461,975. SLIDE RULE. WILFRED B. EATON and THOMAS D. LAMAY, Seattle, Wash. Filed Apr. 22, 1921. Serial No. 463,528. 2 Claims. (Cl. 235—70.)



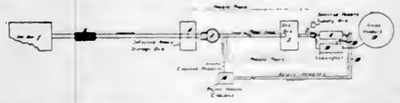
1. In combination, a base provided with a reduced portion at one end and a groove extending longitudinally thereof and terminating at the reduced portion, the bottom of said groove being co-planar with the surface of said reduced portion, and a slide mounted in said groove and movable over said reduced portion.

1,461,976. CHILD'S MAILCART AND LIKE VEHICLE. JAMES GEORGE EVANS, Tunbridge Wells, England. Filed Feb. 21, 1921. Serial No. 446,855. 5 Claims. (Cl. 280—47.) (Granted under the provisions of the act of Mar. 3, 1921, 41 Stat. L., 1313.)



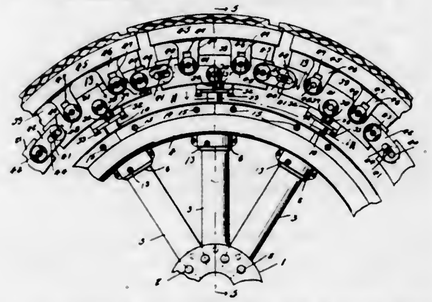
1. In a children's mail cart, in combination, two separate lateral and vertically disposed tubular metal frame members, said frame members each forming a closed figure, two transversely disposed axles respectively connected near the opposite ends to the lower parts of the said frame members, a seat, and means for carrying the seat from and between the upper parts of the said frame members, substantially as described.

1,461,977. ORE REDUCTION. SYDNEY EDWARD THACKER EWING and JOSEPH LEONARD WILLEY, Johannesburg, Transvaal, South Africa. Filed Aug. 30, 1922. Serial No. 585,291. 8 Claims. (Cl. 83—9.)



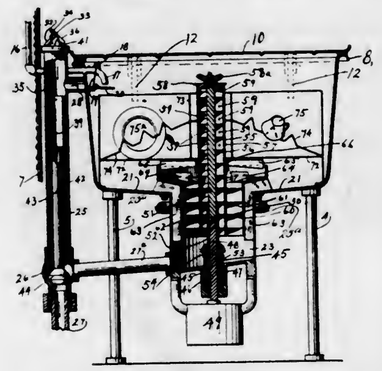
1. The improvement in the art of tube-milling ore which consists in supplying to the tube mill, as the regular mill feed, ore in large and angular fragments, withdrawing from the tube mill fragments of said feed material which have become rounded, breaking them, and returning the breaker product to the tube mill.

1,461,978. VEHICLE WHEEL. JOHN G. FEIL, Blackstone, Va. Filed Aug. 24, 1922. Serial No. 584,066. 12 Claims. (Cl. 152—30.)



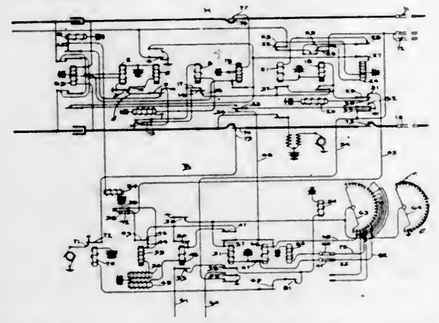
1. In a wheel of the character specified, a tubular spoke member, a companion spoke member telescoping therewith, a sleeve threaded on the telescoping spoke member and disposed within the tubular spoke member, a band clamped about the tubular spoke member and having a projection passing through an opening in a side thereof and engaging said sleeve to prevent turning thereof, means insertable through registering openings formed in said band and tubular spoke member to engage said sleeve and the spoke member upon which it is mounted to prevent turning thereof, said means having longitudinal play in the sleeve, and an expansible helical spring within the tubular spoke member and engaging the said sleeve and adapted to have its effective tension regulated thereby.

1,461,979. CONVERTIBLE SINK AND WASHING DEVICE. CHARLES B. FOSTER, Buffalo, N. Y. Filed Dec. 8, 1917. Serial No. 206,291. 3 Claims. (Cl. 141—9.)



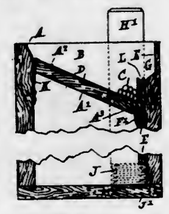
1. In a washing machine, a washing receptacle, a well depending therefrom and opening into said receptacle, water raising means pivotally mounted within said well to turn about a vertical axis, a motor, said water raising means comprising a vertical shaft connected with said motor, a helical blade fixed around said shaft to be within said well, a plurality of fan blades fixed to said shaft above said helical blade, a tubular casing open at the top and bottom within said well and spaced from the bottom thereof and positioned therein to be between the wall of said well and said blades, permitting said blades to revolve therein, whereby water passes down between said wall and said casing and up within said casing, and means for stopping vortex currents within said well.

1,461,980. AUTOMATIC TELEPHONE SYSTEM. MARTIN L. NELSON, Chicago, Ill., assignor to Automatic Electric Company, Chicago, Ill., a Corporation of Illinois. Filed June 30, 1919, Serial No. 307,561. Renewed Nov. 2, 1922. Serial No. 598,647. 45 Claims. (Cl. 179—17.)



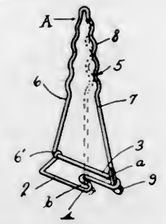
31. In a party line telephone system, an automatic connector switch for completing connections to called lines, and code ringing mechanism associated with said connector comprising two step by step switches having their banks permanently wired together.

1,461,981. MEANS OF SINGLE-ARTICLE DELIVERY FROM CONTAINERS. WILLIAM SYLVESTER NEWMAN, Alexandra, Victoria, Australia. Filed Nov. 1, 1921. Serial No. 512,113. 4 Claims. (Cl. 206—23.)



1. A device as described comprising a container having a chamber with a reciprocating inclined base, and a slide in the container adapted to receive articles from the inclined base and acting to shift the base in one direction.

1,461,982. CLOTHESPIN. LOUIS N. OSWALD, Orleans, Nebr. Filed Jan. 10. 1922. Serial No. 528,241. 3 Claims. (Cl. 24—139.)



1. A clothes pin constructed from a single continuous piece of wire having one end bent to form a horizontal

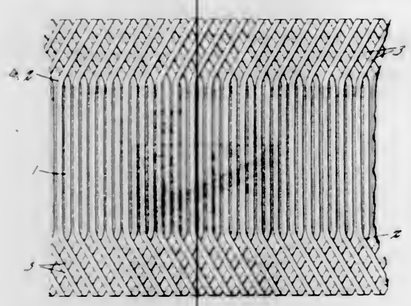
keeper frame with longer and shorter parallel loops and its remaining portion bent to form a V-shaped body portion, the lower end of one leg of which is free and adapted to engage either of the loops of said frame.

1,461,983. COVER REMOVER. FRED J. PARKER, Moose Jaw, Saskatchewan, Canada, assignor of two-fifths to Thomas Ferguson Acheson, Yorkton, Saskatchewan, Canada. Filed Mar. 13, 1922. Serial No. 544,340. 1 Claim. (Cl. 81—3.1.)



The improved cover remover described, comprising two semi-circular plates, and a spring forming a hinge pin hingedly connecting said plates with its terminals oppositely extended so as to engage said plates and thereby serving as tensioning means, said plates being formed with vertical walls having ridges to provide gripping means adjacent the abutting edges of said walls.

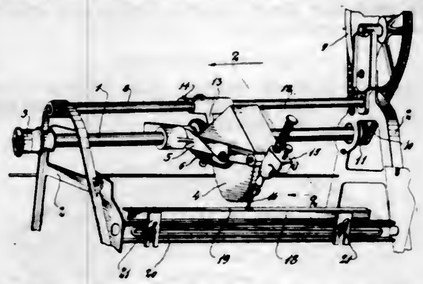
1,461,984. TIRE CONSTRUCTION. FRED BROWN PFEIFFER, Akron, Ohio. Filed Oct. 17, 1921. Serial No. 508,233. 3 Claims. (Cl. 152—13.)



3. A tire casing embodying cords the body portions of which are extended in approximately parallel relation across the tread of the casing in planes in right angles to the axis of the casing, the ends of adjacent cords being crossed upon each other and being inclined, with respect to the body portions in opposite directions circumferentially of the casing, those ends which are inclined in one direction being parallel to each other, and those ends which are inclined in an opposite direction being parallel to each other.

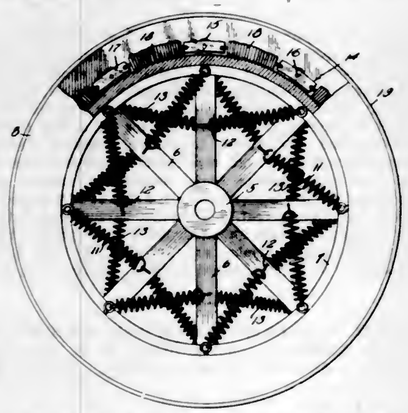
1,461,985. GUIDE FOR GRINDING DEVICES. MICHAEL P. SCHMITT, North Chicago, Ill. Filed Nov. 3, 1921. Serial No. 512,449. 1 Claim. (Cl. 51—37.)

The combination with a grinding machine having a power driven grinding wheel, a clamp for holding a straight blade transverse to said grinding wheel, and means for moving said grinding wheel from one end of said blade to the other, of a rigid angle bar having an accurately fashioned flat surface thereon, a pair of clamping members for adjustably securing said bar to said machine adjacent and parallel to said blade, and an adjustable finger associated with the support for said grinding wheel, said finger being adapted to rest on



said flat surface to cause said grinding wheel to be limited in its engagement with said blade uniformly throughout the grinding operation.

1,461,986. RESILIENT TIRE. CHARLES SCHNEIDER, Hackett, Ark. Filed Dec. 23, 1922. Serial No. 608,661. 4 Claims. (Cl. 152—28.)



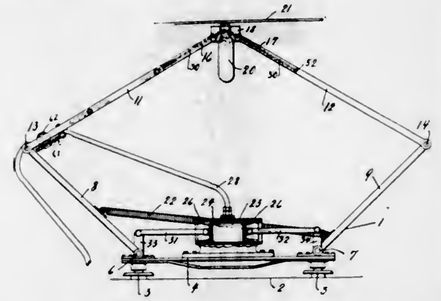
1. In a spring wheel, a hub, spokes radiating from the hub, a felloe connecting the spokes, a rim including spaced side members having inwardly extended flanges engaging the felloe, a resilient felloe supporting member positioned within the rim, said felloe supporting member comprising spaced spring members, and spring members connecting the rim and spokes.

1,461,987. STUMP SOCK. NORMAN H. SMITH, Ottawa, Ontario, Canada. Filed Dec. 28, 1921. Serial No. 525,507. 1 Claim. (Cl. 3—3.)



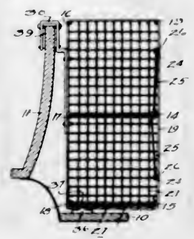
A stump sock consisting of a leg portion of seamless pliable material of tapered form, the lower end of which is open, and spaced strips crossed and attached to the lower end of the leg portion so that the stump sock may be comfortably pulled down after being positioned in the artificial limb.

1,461,988. PANTOGRAPH. RICHARD B. SPIKES, San Francisco, Calif., assignor to S. D. S. Experimental Laboratories Company, San Francisco, Calif., a Corporation of California. Filed Nov. 27, 1922. Serial No. 603,679. 9 Claims. (Cl. 191—67.)



1. A self-adjusting contact-maintaining device for an electric car having a wire suspended thereover, comprising a plurality of frames linked together to substantially form a parallelogram adapted to be secured to the top of the car so as to touch the wire, spring means and pressure means co-operating in affecting the height of the parallelogram in opposite senses, a valve control for the pressure means and means actuated by the tension of the wire controlling the valve so as to adjust the height of the parallelogram to the height of the wire.

1,461,989. POULTRY COOP. CHARLES E. STOCKHAM, Oskaloosa, Iowa. Filed July 26, 1922. Serial No. 577,560. 5 Claims. (Cl. 220—18.)

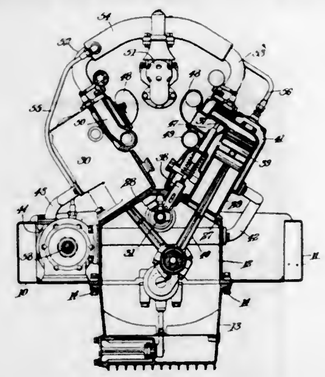


1. A poultry coop of the class described including a coop member having a top, a bottom and side walls, floor members hingedly mounted in said coop, said floor members being so arranged that when they are in one position they collectively cover the bottom of the coop and when in another position each floor member extends from the bottom to the top for forming a coop having more than one deck.

1,461,990. HYDROCARBON MOTOR. JESSE G. VINCENT, Detroit, Mich., assignor to Packard Motor Car Company, Detroit, Mich., a Corporation of Michigan. Filed Nov. 22, 1915. Serial No. 62,796. 5 Claims. (Cl. 125—55.)

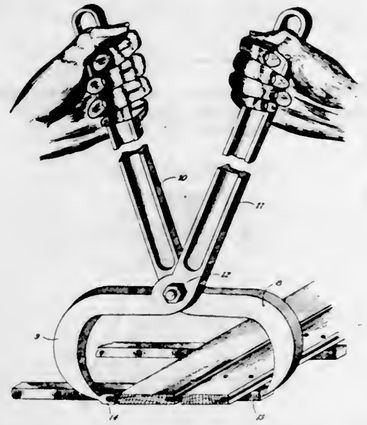
1. In a multi-cylinder hydrocarbon motor, in combination, a motor base, cylinder blocks in V arrangement thereon, and valves for the cylinders also in V arrangement but at a slightly greater acute angle to each other than the cylinders.

3. In a hydrocarbon motor, in combination, a supporting base, a pair of cylinder blocks disposed in V relation, each block having a plurality of cylinders with their valves on adjacent sides of the blocks and with intake conduits formed in the adjacent side walls of the blocks and extending to all of the cylinders of each block, a carbureter arranged between the blocks, and a con-



duit of arched form communicating with said carbureter and the first mentioned conduits and detachably secured to said blocks.

1,461,991. SIDING TIGHTENER. FRED WALKER, Neepawa, Manitoba, Canada. Filed Aug. 24, 1921. Serial No. 494,776. 1 Claim. (Cl. 254—11.)

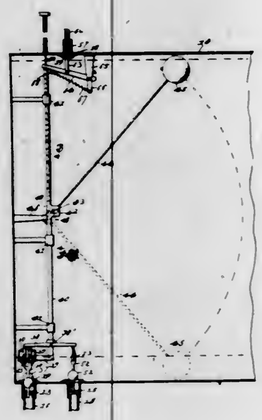


Tighteners consisting of gripping members, handles attached to said gripping members, said gripping members hingedly connected together, one of said gripping members being provided with a bifurcated end portion so formed as to receive and embrace the tongue portion of the tongue and groove member without injuring the said tongue, one of said gripping members adapted to engage the face of a tongue and grooved board for tightening the same against the previously laid board and the other of said gripping members adapted to engage in any suitable support either above or below the board to be acted upon so that pressure can be exerted to tighten said boards together.

1,461,992. DISPENSING APPARATUS. HENRY L. WEBER, Louisville, Ky. Filed June 27, 1921. Serial No. 480,752. 6 Claims. (Cl. 221—67.)

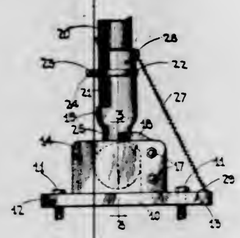
1. In a dispensing station for fluids lighter than water, a tank, a float therein heavier than the fluid to be dis-

pensed but buoyant on water, a member operated by the float, a dispensing valve adapted to be closed when the float is in one position, a water admission valve controlling water delivered to the tank, a water discharge valve



in communication with the tank, and means for operating the valve alternately for closing and opening the same, and means whereby the movement of the valve actuates said valve operating means.

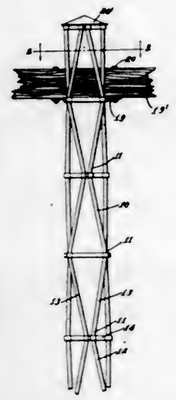
1,461,993. WHIP HOLDER. HERBERT WILKINSON, Empress, Alberta, Canada. Filed May 16, 1922. Serial No. 561,483. 3 Claims. (Cl. 280—178.)



1. A whip holder comprising a whip carrying socket having a reduced extended end portion, a base plate, means carried by said base plate and said socket to mount the whip socket for swinging movement in one direction and limited movement at right angles thereto, means for clamping a whip butt within said socket, means for returning said socket to normal position and means cooperating with said reduced end portion to limit the return movement of said socket.

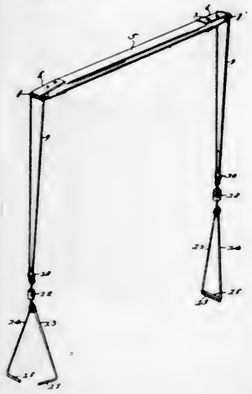
1,461,994. METAL POLE CONSTRUCTION. ARTHUR W. WRIGHT and BENJAMIN F. IBACH, Pottsville, Pa. Filed Apr. 18, 1922. Serial No. 554,875. 9 Claims. (Cl. 189—24.)

1. A metal post of the class described comprising a plurality of uprights each having a series of reverse bends to form a zig-zag upright, the several uprights being arranged with the adjacent uprights having their portions between the succeeding bends alternately converging and



diverging but not crossing, and a plurality of horizontal braces spaced along said uprights, the horizontal braces being connected to the uprights.

1,461,995. BATTERY CARRIER. WALTER W. YOUNG, Parker, S. Dak. Filed June 2, 1922. Serial No. 565,425. 3 Claims. (Cl. 224—45.)

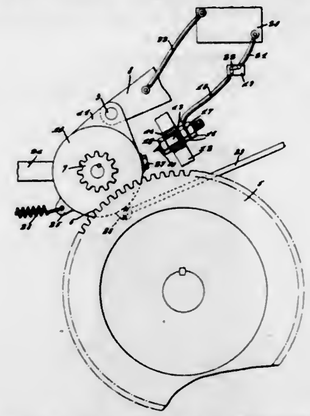


1. In a battery carrier, a handle, a clip on each end thereof, a bail for each clip, each of said bails comprising a strip of material having a depending looped portion, a sleeve in each clip into which the upper ends of the material are inserted, the said sleeve being rotatable in the clips of the handle, and battery engaging devices supported by the bails.

1,461,996. ELECTRIC STARTER. CHRISTOPHER CARTER ANDERSEN, Salt Lake City, Utah. Filed May 3, 1922. Serial No. 558,259. 1 Claim. (Cl. 290—38.)

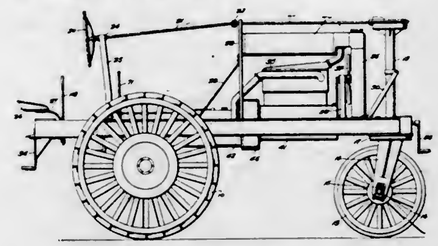
In combination with the toothed fly wheel of an internal combustion engine, a starting device including a motor, having a shaft, a pinion supported on the shaft to move therewith, means for moving the motor and its shaft to cause the pinion to mesh with the teeth of the fly wheel, a contact member carried by the motor, a stationary contact member lying in the path of travel of the motor when the motor is being moved to its active

position, a coiled spring secured to the stationary contact member and extending therefrom to contact with the contact member carried by the motor, and complete



the circuit to the motor to cause the operation of the motor, and means for automatically returning the motor to its inactive position.

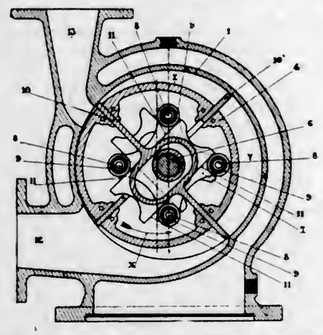
1,461,997. TRACTOR. WILLIAM A. ARMSTRONG, Waco, Tex., assignor to Armstrong Farm Tractor Company, Dallas, Tex. Filed Jan. 22, 1921. Serial No. 439,215. 2 Claims. (Cl. 180—54.)



1. In a tractor, a motor, a housing comprising an integral body portion arranged below and projecting rearwardly from the motor and formed with integral transverse and longitudinal partitions providing a series of opposed transverse compartments and a longitudinal compartment at each side of the rear transverse compartment, a driven shaft operated from said motor and journaled in the plurality of transverse partitions and extending through a series of transverse compartments, a clutching device within one of said transverse compartments and cooperating with said shaft for coupling it with the motor, transmission and reverse drive mechanisms mounted in said transverse compartments forwardly of the rear transverse compartment, a differential mechanism mounted in the rear transverse mechanism, a brake device arranged in each longitudinal compartment, axle sections extending through said devices and operatively connected to said differential mechanism, and removable cover elements for said body portion.

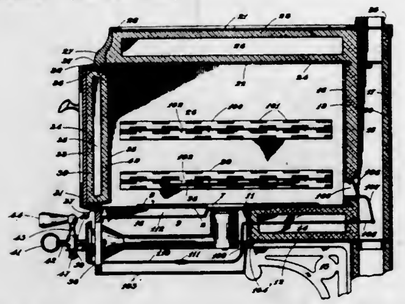
1,461,998. PUMP, COMPRESSOR, AND MOTOR. JOSEPH BAUDOT, Paris, France. Filed Dec. 28, 1921. Serial No. 525,333. 4 Claims. (Cl. 103—138.)

1. A rotary fluid pump, compressor, or motor comprising a jacketed casing with inlet and outlet ports, a shaft centrally mounted in said casing, a drum eccentrically mounted in the casing, and rotatable therein, said drum being provided with peripheral guide slots, a bearing member having an opening for engagement over the shaft, oppositely disposed blades mounted on said bearing mem-



ber, said blades being arranged radially in the drum, said bearing member having guide surfaces thereon, and a driving member keyed to the shaft for producing a radial movement of the blades and for turning the drum through the medium of the blades.

1,461,999. OVEN. JOHN H. BEEBY, Ottawa, Ontario, Canada. Filed Dec. 28, 1921. Serial No. 525,533. 6 Claims. (Cl. 126—39.)



6. A heat retaining oven constituting an insulated base having a burner chamber, an insulated top, insulated walls, an insulated door, means for reinforcing the said base, a gas burner for the said oven and an air chamber over the burner chamber.

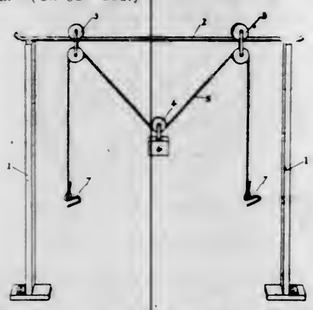
1,462,000. SPLINT. ALEXANDER M. BENNETT, Bellaire, Mich., assignor to Frank Bennett, Pontiac, Mich. Filed Nov. 8, 1922. Serial No. 599,697. 1 Claim. (Cl. 128—79.)



A splint of the character described including a transversely rounded shank having a base or enlargement at one end, the other end being rounded transversely, there being a passage in the base end portion of the shank and grooves in the sides of the shank near the other end thereof, said shank having a flat face throughout its length formed with a longitudinal groove merging into the passage and spaced openings extending to the side

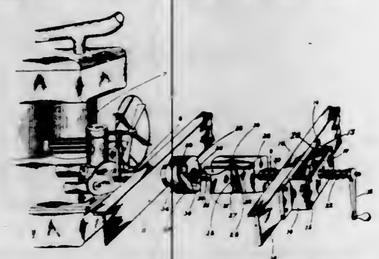
grooves, and an attaching cord threaded through the openings, grooves and passage and providing an intermediate attaching loop extending from the flat face of the shank and free ends extending from the base.

1,462,001. SICKLE HANGER. CARL BENSON, Youman, Colo. Filed Feb. 14, 1922. Serial No. 536,571. 1 Claim. (Cl. 51—223.)



In a sickle-hanger, the combination of an overhead rail, separate double pulleys free on the rail, a sickle holding cable on the pulleys, a counter-weight suspended on the cable, between the double pulleys, the said weight to counter-balance the weight of the sickle; the said double-pulleys being free to move on a railing, substantially as shown and described.

1,462,002. SAFETY CRANK. IVOR CHARLES BICE Clandeboye, Ontario, Canada. Filed June 23, 1921 Serial No. 479,914. 1 Claim. (Cl. 123—185.)



A safety cranking device for automobile engines, comprising, in combination, a hand crank fixedly attached to a stub starting shaft; a ratchet wheel fixed thereon; dog means preventing backward rotation of said stub shaft; a slotted box-like member oscillatable on said stub shaft; a pin fixed in said stub shaft projecting through the slots of said box-like member; a pair of inter-engaging pawl members pivoted on said box-like member, spring-held in operative relation thereto; engaging means at the forward end of said box-like member to engage similar means on the end of the crank shaft of the engine, spring means for withdrawing said box-like member from said engine crank shaft, said pin cooperating with said pair of pawl members to release said box-like member from engagement with said engine crank shaft on a retrograde movement of the engine crank shaft.

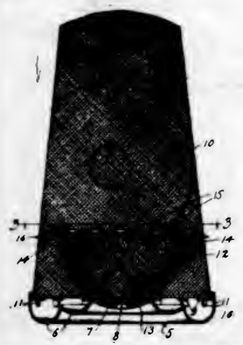
1,462,003. IMPERVIOUS MATERIAL AND PROCESS FOR ITS PRODUCTION. WARREN F. BLEECKER, Boulder, Colo. Filed Mar. 3, 1922. Serial No. 540,899. 12 Claims. (Cl. 91—70.)

6. The process of rendering artificial graphite impervious, consisting in conting its surface with a carbonaceous substance, and removing the volatile constituents thereof by evaporation.

7. The process of rendering artificial graphite impervious, consisting in coating its surface with pitch, and subjecting the coated graphite to the influence of heat.

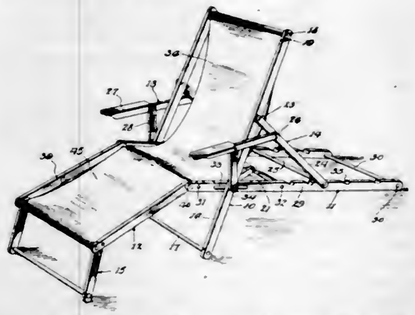
8. A new article of manufacture, consisting of artificial graphite, the voids of which are closed at the surface, by solid hydrocarbonaceous matter.

1,462,004. FLYTRAP. FRANK B. CAREY, Fresno, Calif. Filed Aug. 21, 1922. Serial No. 583,244. 4 Claims. (Cl. 43—118.)



2. A trap comprising a pan having stepped bait retaining depressions and a central concave seat, a reticulated cage supported by the pan and a bowl-shaped bottom in the cage and resting in the seat, said bottom being provided with entrance openings adjacent its upper edge, the side walls of the pan being also provided with openings.

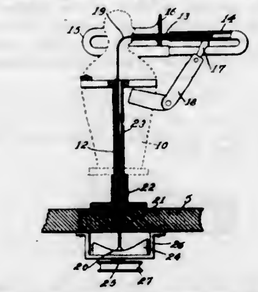
1,462,005. ADJUSTABLE RECLINING CHAIR. FRANK P. HALL, Mont Alto, Pa. Filed Apr. 29, 1922. Serial No. 557,399. 3 Claims. (Cl. 155—117.)



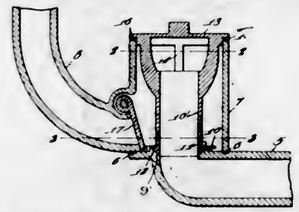
1. A chair of the class described comprising a frame forming front legs, a second frame forming rear legs, means for clamping said frames together in adjustable longitudinal and angular positions in relation to each other, said means including bolts through said frames, cross-connected arms on said bolts, and a hinged support on said front leg frame adapted to selectively engage with notches provided in said rear leg frame, a canvas stretched between said frames, one end of said canvas being rigidly secured to said cross-connected arms.

1,462,006. MECHANICAL ORCHESTRA. GEORGE WILLIAM HALL, Topeka, Kans. Filed June 18, 1921. Serial No. 478,734. 1 Claim. (Cl. 46—40.)

The combination with a platform and a figure thereon simulating an orchestra performer, of a tube extending from the mouth portion of the figure, a U-shaped tube slidable thereon, a stationary tube slidably engaged by the U-shaped tube, a jointed member upon the figure simulating an arm and connected at one end to the U-shaped tube, a flexible reciprocating element connected to the U-shaped tube and slidable within the tube extending from the mouth portion, a guide tube extending downwardly within the figure and through which the flexible reciprocating element extends, a cam mounted for rotation, means on the flexible element for engaging the cam, and a spring for holding said means pressed against the cam, and means for rotating the cam to reciprocate th flexible element and U-shaped tubular member

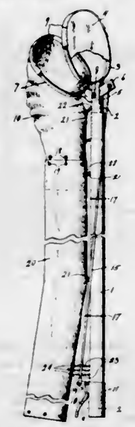


1,462,007. TRAP. LESLIE FOREST HARDESTY, Terra Alta, W. Va. Filed Mar. 24, 1923. Serial No. 627,494. 3 Claims. (Cl. 182—12.)



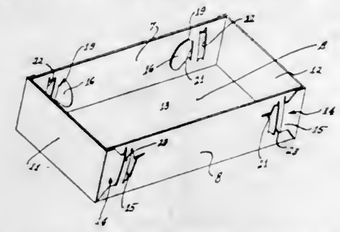
1. In a trap, a pipe having an opening formed with a tapered wall, lugs forming a part of the pipe and disposed adjacent to the tapered wall, a removable housing supported on the pipe, means for securing the housing to the pipe, a removable pipe within the housing, and a cover formed integral with the pipe to move therewith.

1,462,008. FRUIT PICKER. THEODORE F. HENNINGER Memphis, Tenn. Filed Apr. 1, 1922. Serial No. 548,731. 2 Claims. (Cl. 56—334.)



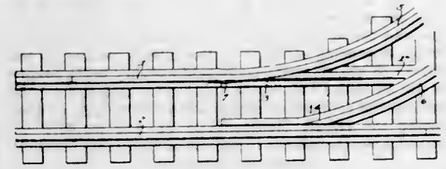
1. In a fruit picker, the combination with a supporting pole, coacting jaws carried by the outer end portion of the pole, a tube secured to one of the jaws and leading therefrom, means for securing the tube to the pole, a spring interposed between and connected to the pole and tube, the spring serving to absorb the shock of the fruit dropping within the tube and to retard the progress of the fruit through the tube.

1,462,009. CORNER STAY FOR BOXES. EDWARD G. HIGGINSON, Providence, R. I. Filed July 12, 1921. Serial No. 484,118. 3 Claims. (Cl. 229—35.)



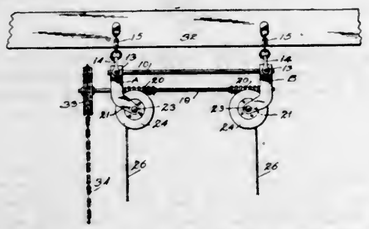
1. In a box, a pair of walls, an outwardly extending locking wing formed on one of the walls, the other wall having an angular locking slot formed therein and a pair of parallel arranged slots disposed intermediate the transverse edge of the wall and the locking slot, these slots being arranged to receive the locking wing.

1,462,010. SAFETY APPLIANCE FOR RAILWAY SWITCHES. BENTLEY R. HOOKS, Amarillo, Tex. Filed Nov. 14, 1922. Serial No. 600,868. 5 Claims. (Cl. 246—435.)



1. A device of the character described comprising a plate adapted to be clamped to the web of a rail in front of the switch point of a switch, and having a cam member extending longitudinally of the plate with the cam member gradually increasing in thickness from its opposite ends toward its middle portion to form a lateral projection for causing a lateral shifting of the wheels of a train away from the switch point of a switch which is adapted to lie in contiguous relation with the rail.

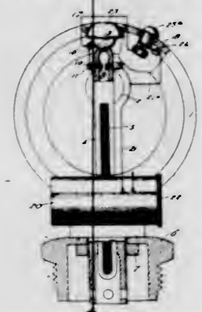
1,462,011. COMBINATION WOVEN-WIRE STRETCHER AND HOIST. IRA HUTCHERSON, Keokuk, Iowa. Filed Mar. 20, 1922. Serial No. 545,111. 1 Claim. (Cl. 254—169.)



In a device of the class described, a pair of brackets, each having a pair of openings, a supporting rod received in one of the openings of each bracket, pins extended through the brackets and through the rod for fixing the brackets thereon and supporting them in spaced relation, said brackets having a pair of spaced ears thereon, a sec-

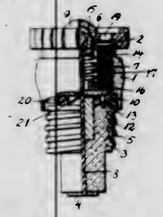
ond rod journalled in the other openings in said brackets, a crank on said second rod, a combined worm wheel and cable drum journalled between said ears on each of said brackets, worms spaced from each other fixed to said second rod and arranged to mesh with the combined worm wheels and cable drums, said combined worm wheels and cable drums including a pair of similar members having tubular cable receiving portions and flanges provided with teeth on their adjacent faces for forming the worm wheels.

1,462,012. RADIATOR THERMOSTAT. ABRAHAM ISAAC KAPLON, Brunswick, Mo. Filed July 2, 1920. Serial No. 393,680. 2 Claims. (Cl. 177—311.)



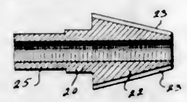
1. A radiator thermostat comprising a body, a thermometer tube containing mercury mounted on the body, a battery barrel mounted outside of the body adjacent to the base of said tube, an incandescent lamp mounted on the body at the head of the tube, a hood carried by the body and disposed over the lamp to reflect light upon the tube and reveal the position of the mercury, an electrical circuit embracing contacts in the tube, a battery in said barrel and the aforesaid lamp, said mercury being adapted to rise to bridge the contacts and close said circuit; and push button contacts situated on top of the body enabling closing the circuit independently of said mercury and adapting the thermostat to the use of a portable flashlight.

1,462,013. ELECTRIC SAFETY FUSE. SVEND JOHANNES KNUDSEN, Copenhagen, Denmark. Filed Apr. 30, 1921. Serial No. 465,065. 4 Claims. (Cl. 200—125.) (Granted under the provisions of the act of Mar. 3, 1921, 41 Stat. L., 1313.)



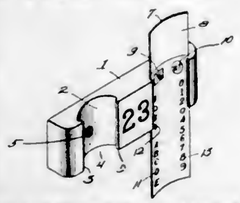
1. A multiple-fuse plug, comprising a top member provided with a central cavity and with an annular series of vertical fuse holes encircling the same and opening at their opposite ends through the corresponding end faces of said member; a series of contact studs on the inner end of said member at the inner ends of said holes; a disc in said cavity; a plurality of bent fuse-wires having their inner brancnes disposed in said cavity and connected at their free ends to said disc and their outer branches disposed in said holes and connected at their free ends to said studs, the central portions of said wires extending laterally across the outer end face of said member; a bottom member; a spindle passing axially through the top and bottom members to connect them together and to which said top and bottom members are rotatably and rigidly related, respectively; a contact sleeve on the bottom member having an extension to interchangeably engage said studs; and coacting sets of teeth on the confronting inner ends of said members having inclined faces for sliding engagement with each other during the rotation of the top member relative to the bottom member, said teeth being so disposed with relation to the contact studs that one stud will be held in correct contact position whenever the sets of teeth come into full engagement.

1,462,014. APPARATUS FOR SPOOLING WIRE. JOSEPH M. LEIDECKER and JULUS G. BURCH, Bartlesville, Okla. Filed Sept. 18, 1922. Serial No. 588,872. 6 Claims. (Cl. 242—68.)



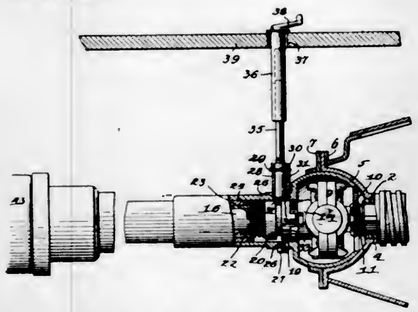
1. In an apparatus for winding wire, a supporting shaft, a spool through which the shaft passes, sleeves threaded upon the opposite ends of the shaft and having means extending into and clamping against the heads of the spool, thereby mounting the spool upon the shaft, said sleeves having cylindrical members adapted for mounting in suitable bearings, whereby the spool may be rotatably supported.

1,462,015. CAR-CHECK HOLDER. ROY CLIFFORD LEITCH, Kansas City, Mo. Filed Aug. 26, 1920. Serial No. 406,057. 4 Claims. (Cl. 40—16.)



1. In a device of the character described, the combination of a recessed holder, and a resilient check within said recess and bowed by engagement at its side edges with and exerting pressure against the opposite walls of said recess.

1,462,016. UNIVERSAL JOINT AND POWER TRANSMISSION. EDDIE ALLEN LEWIS, Belleville, Kans. Filed Mar. 17, 1921. Serial No. 453,048. 14 Claims. (Cl. 192—67.)



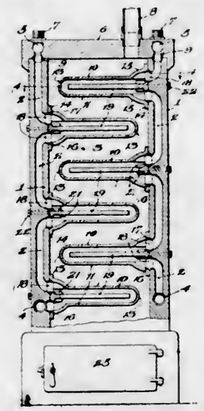
3. In combination with an engine shaft, a driving shaft and a universal joint between said shafts, said universal joint including a female element having a clutch face, and adapted to receive said driving shaft, a shiftable clutch element on said driving shaft, a clutch shifter, means at a distant place for operating said shifter and means to hold said shifter with the clutch released.

1,462,017. DIVIDING-BOARD REGULATOR. WILLIAM A. MARTIN, Wellington, Colo. Filed Dec. 2, 1921. Serial No. 519,482. 3 Claims. (Cl. 56—314.)



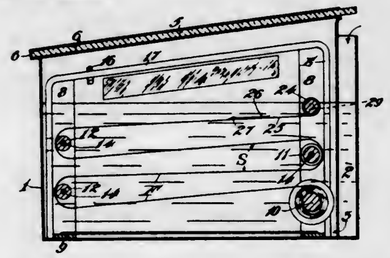
1. The combination with the division board and outer shoe of a mowing machine, of an adjusting device comprising a plate secured upon the division board and projecting beyond the forward end thereof, and an adjustable element carried by the projecting end of the plate and engaging beneath a projection on the shoe for effecting desired adjustment.

1,462,018. HEATING FURNACE. HENRY W. MASON, New Bedford, Mass. Filed Mar. 26, 1923. Serial No. 627,654. 10 Claims. (Cl. 126—67.)



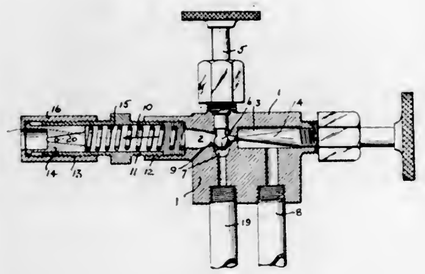
5. In a heating furnace, a body having opposed series of hollow lateral fluid-receiving sections, the sections of the two series being relatively staggered, said sections each having upper and lower chambers communicating at their inner ends and the body having series of spaced vertical conduits with the adjacent ends of adjacent conduits communicating with the respective chambers of the sections.

1,462,019. FILM-DEVELOPING APPARATUS. HENRY C. FRANK MORANT, Hawthorn, Victoria, Australia. Filed July 12, 1921. Serial No. 484,182. 2 Claims. (Cl. 95—90.5.)



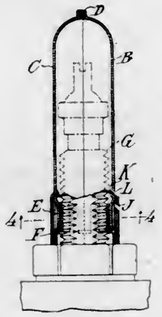
1. In film developing apparatus, a container, and removable frame in the container provided at each end with a plurality of rollers around which the film is drawn in circuitous folds, said frame comprising two sides and a base, one side being movable laterally.

1,462,020. SPRAY NOZZLE. JOHN D. MURRAY, San Francisco, Calif. Filed Oct. 10, 1921. Serial No. 506,716. 3 Claims. (Cl. 299—140.)



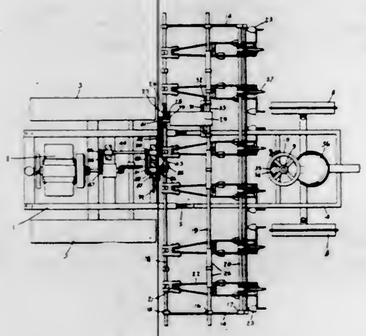
1. A spray nozzle comprising an inlet port for gas and a control valve therein, an outwardly flaring conical throat forming a continuation of said port, a liquid inlet opening into said throat in a direction at right angles to the axis thereof, and a globular valve controlling said liquid inlet and mounted for movement transversely through said throat, whereby the liquid and gas are ejected from said throat when pressure is applied behind said liquid and said gas, a discharge nozzle tip for said throat comprising an orifice and controlling means for said orifice adapted to vary the discharge from said orifice.

1,462,021. DUST CAP OR THE LIKE. EUGENE V. MYERS, East Orange, N. J., assignor to A. Schrader's Son, Incorporated, Brooklyn, N. Y., a Corporation of New York. Filed July 25, 1919, Serial No. 313,146. Renewed Sept. 21, 1922. Serial No. 589,683. 7 Claims. (Cl. 152—12.)



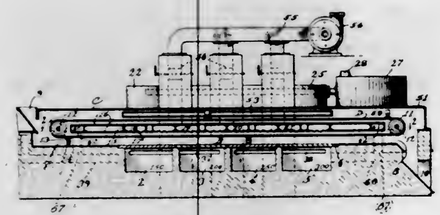
1. A dust cap for tire valves or the like comprising a cap portion having a series of spring arms, an integral lower ring portion, and a cover surrounding said spring arms.

1,462,022. CULTIVATOR ATTACHMENT FOR TRACTORS. SAMUEL I. NEHER, Keystone, Ind. Filed July 29, 1921. Serial No. 488,426. 8 Claims. (Cl. 97—50.)



1. The combination with a tractor having an extension frame supported from the ground of a second frame carried by the extension frame, shafts mounted on the second frame, cultivating attachments connected to said shafts, means for employing power from the driving means of the tractor for moving said shafts for changing the positions of the cultivating members, and additional means operated by the driving means of the tractor for elevating the cultivator attachments.

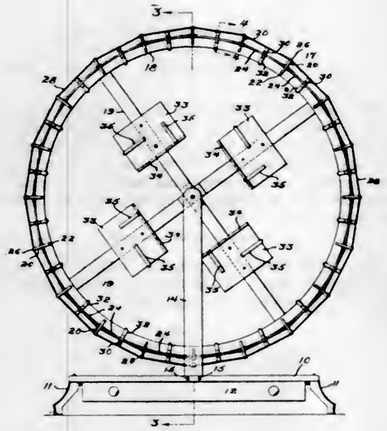
1,462,023. OIL-SHALE RETORT. WILLIAM M. STRONG San Francisco, Calif. Filed July 29, 1920. Serial No. 397,774. 9 Claims. (Cl. 196—19.)



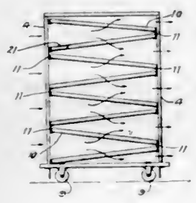
1. In an apparatus of the character described a housing having a distilling chamber formed therein, a main inlet and outlet opening formed in the housing, a second inlet and outlet opening formed within the housing and communicating with the distilling chamber and the first named inlet and outlet openings, a furnace chamber formed in the housing below the distilling chamber, and ducts formed in the housing for maintaining a flow of furnace gases past said second named inlet and outlet openings to exclude air from the distilling chamber and to prevent oxidization of the products of distillation.

1,462,024. COMBINATION DISPLAY AND VENDING DEVICE. GEORGE F. BAITZ, Philadelphia, Pa. Filed May 12, 1921. Serial No. 468,850. 8 Claims. (Cl. 211—20.)

2. A device of the character described including a wheel; partitions spaced apart and projecting from the rim of the wheel, said partitions having parts cut out so as to embrace said rim; and means interposed between said partitions whereby inner and outer channels are provided.



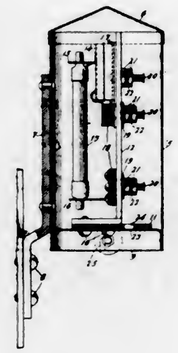
1,462,025. DRYING APPARATUS. HARRY BENTZ, Montclair, N. J. Filed Apr. 11, 1921. Serial No. 460,177. 7 Claims. (Cl. 34—47.)



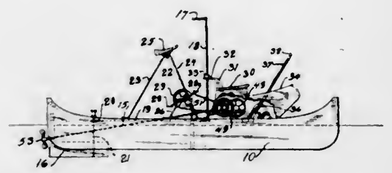
7. A drying apparatus comprising a substantially horizontal tunnel, means for forcing heated air through said tunnel, trucks carrying tiers of trays in said tunnel, said trays being adapted to hold material to be dried and having perforate bottoms, and means whereby said air current has relatively easy ingress into and relatively difficult egress from alternate inter-tray spaces in a given tier of trays and whereby said air current has relatively difficult ingress into and relatively easy egress from the intertray spaces intermediate said alternate spaces.

1,462,026. PROTECTIVE DEVICE. WILLIAM T. BOOTH, East Orange, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y., a Corporation of New York. Filed Nov. 3, 1917. Serial No. 200,071. 2 Claims. (Cl. 247—7.)

1. A protective device comprising a casing, means for mounting said casing upon a suitable support, a removable plate having a wide flange adapted to fit into and engage the inner wall of said casing, a protective element mounted upon said plate and adapted to project within and be held clear of said casing when said plate is in position, and an aperture in said removable plate for the passage of connecting wires.



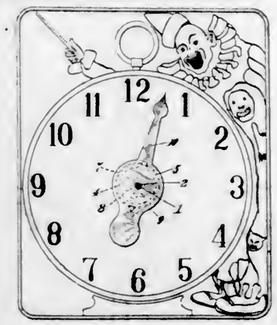
1,462,027. HYDROCYCLE. FRANK BRADY, Denver, Colo. Filed Aug. 9, 1921. Serial No. 490,938. 1 Claim. (Cl. 115—28.)



A mechanical movement comprising a driven shaft provided with a bevel pinion, means for driving said shaft comprising a bevel gear cooperating with said pinion, a gear shaft secured to said bevel gear, a bearing in which said shaft rotates, a sprocket wheel secured to said shaft, a pair of pedals rotatably mounted on an axis substantially parallel to said gear shaft, a sprocket wheel non-rotatably connected to said pedals, a sprocket chain connected to said sprocket wheels, a gear pinion connected to said gear shaf and longitudinally movable thereon, a gear wheel operatively connected with said pinion, a crank pin secured to said gear wheel, a lever pivotally mounted between its ends and a pitman between one end of said lever and the crank pin on said gear.

1,462,028. INDICATOR. PASQUALE LO CASCIO, Brooklyn, N. Y., assignor to Toy Business Corporation, New York, N. Y., a Corporation of New York. Filed Dec. 10, 1919. Serial No. 343,888. 10 Claims. (Cl. 46—56.)

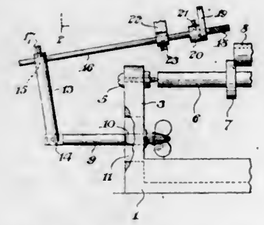
1. In an indicator, a rotating member, means to maintain said rotating member in desired position comprising a weight detachable from and movable with respect to said rotating member, and means to hold and to release said weight with relation to said rotating member.



1,462,029. PROCESS FOR THE FERMENTATION OF MILK. ARTHUR B. CLARK, St. Louis, Mo., assignor to Fer-Mil-Lac Process Company, St. Louis, Mo., a Corporation of Missouri. Filed Nov. 12, 1921. Serial No. 514,565. 2 Claims. (Cl. 99—11.)

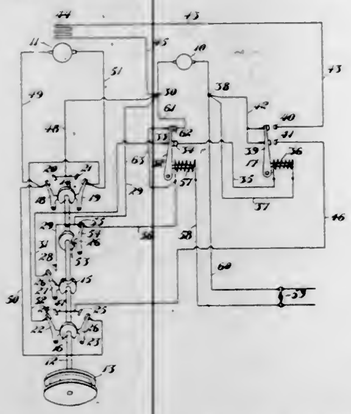
2. The improved process for the fermentation of milk, consisting of the following steps: the addition of a culture of Bulgarian bacillus to a small quantity of whole milk at a temperature of 90° F., in the proportion of about one ounce of the former to one quart of the latter, and the ferment of this mixture for a period of about twenty hours; the addition of this ferment at the end of about twenty hours to a larger quantity of whole milk at a temperature of 90° F., in the proportion of about one quart of the first ferment to three gallons of milk, and the maintenance of this mixture at a temperature of 90° F., for a period of twelve hours; the further addition of this second ferment to a larger quantity of whole milk at a temperature of 90° F., in the proportion of about three gallons of the former to one hundred gallons of the latter, and the maintenance of the mixture at a temperature of 90° F., for a further period of twelve hours, until the process of fermentation is complete.

1,462,030. GLASS-CUTTING MACHINE. HOWARD B. DAVIS, Millville, N. J. Filed Aug. 16, 1920. Serial No. 403,991. 3 Claims. (Cl. 49—48.)



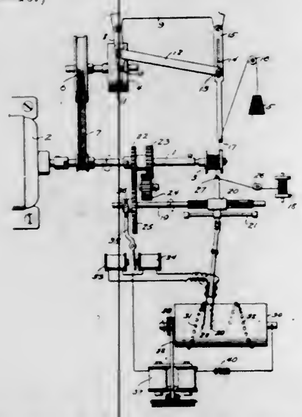
1. In a glass tube cutting machine, the combination with a frame, of a pair of shafts revolubly supported thereby, complementary disks carried by said shafts to provide rolling supporting means, an adjustable bearing carried by said frame, a strut connected in hinged relation to said bearing, a rod adapted to be fixed in longitudinally adjustable relation to said strut, a cutter carried by said rod, and an adjustable gage stop carried by said rod.

1,462,031. NEUTRAL-POSITION SAFETY CONTROL. WALLACE E. DAY, San Francisco, Calif., assignor to Frank M. Spencer, doing business under the name of Spencer Elevator Co., San Francisco, Calif. Filed June 30, 1919. Serial No. 307,732. 4 Claims. (Cl. 172—179.)



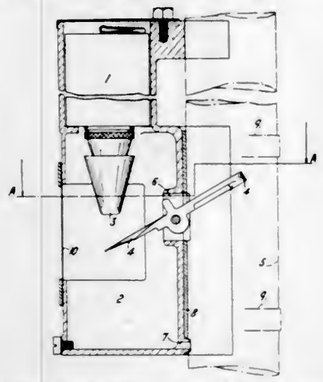
1. A control system for mechanically operated electrically driven elevators comprising a mechanical control member adapted to determine the direction of movement of the elevator, a motor, an electric circuit including said motor and the control mechanism, a main contactor adapted to open and close the motor circuit, a main contactor circuit adapted to be closed by the operation of the controller, means for rendering the main contactor inoperative and means whereby said contactor will be restored to its operative condition when the mechanically operated controller is moved to its neutral position.

1,462,032. MACHINE AND METHOD FOR WINDING ELECTRICAL COILS. HENRY C. EGERTON, Passaic N. J., assignor to Western Electric Company, Incorporated, New York, N. Y., a Corporation of New York. Filed Dec. 29, 1920. Serial No. 433,756. 9 Claims. (Cl. 242—10.)



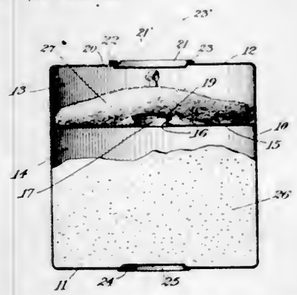
1. In a coil winding machine, a rotatable arbor, an adjustably mounted rotatable shaft, a feed member disposed on said shaft and adapted to act as a guide for the wire, a drum, a plurality of contacts mounted on said drum and adapted to control the serving of the wire upon said arbor, an electromagnet, an armature for said electromagnet, and means associated with said feed member adapted to contact with said drum contacts to cause said armature to step around said drum.

1,462,033. DISINFECTOR ATTACHMENT FOR THE FLUSHING ARRANGEMENTS OF WATER-CLOSETS AND THE LIKE. REGINALD VANDEZEE FARNHAM, Skelmorlie, Scotland. Filed Nov. 11, 1922. Serial No. 600,203. 1 Claim. (Cl. 4—30.)



Disinfector attachment for the flushing arrangements of water closets and the like, comprising, in combination, a container for the disinfectant, a mixing chamber having its external wall shaped to conform with the curvature of the flushing pipe, a valve device for permitting a quantity of disinfectant to pass from said container to said mixing chamber, a pivoted lever for operating said valve, one end of which lever projects into the flushing pipe and is depressed by the main flushing stream, and the other end of which contacts with and operates the valve, the end of said lever which projects into the flushing pipe also serving to deflect a quantity of water into the mixing chamber, an inlet near the top of the mixing chamber through which a quantity of water deflected by the lever is admitted to the mixing chamber, an outlet from the mixing chamber at the bottom thereof for the mixture to pass out into the flushing pipe, a deformable washer for interposition between said shaped wall and said flushing pipe, said washer being ported to correspond with the inlet and outlet of the mixing chamber and ports formed in the pipe, and clipping means embracing the pipe and embracing said mixing chamber so as to nip the washer between said shaped wall and said pipe.

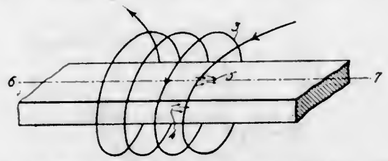
1,462,034. CONTAINER. ESTELLE B. FINLAYSON, Ossining, N. Y. Filed June 3, 1921. Serial No. 474,636. 1 Claim. (Cl. 132—82.)



In a container, in combination, a receptacle, a transverse partition within the receptacle having an open-

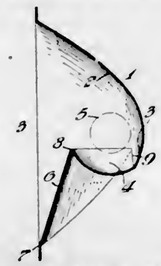
ing therein, a perforated sifter enclosing said opening and extending upwardly therefrom, means for opening and closing the perforations in the sifter, a cover for the upper chamber having an opening considerably smaller than the cover and means for opening and closing the cover opening.

1,462,035. TREATMENT OF MAGNETIC MATERIAL. WILLIAM FONDILLER, New York, N. Y., assignor to Western Electric Company, Incorporated, New York, N. Y., a Corporation of New York. Filed Aug. 10, 1920. Serial No. 402,672. 2 Claims. (Cl. 178—45.)



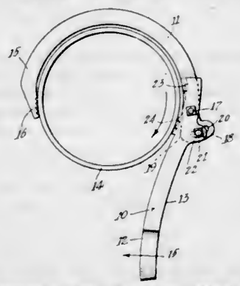
1. The method of obtaining a substantially uniform initial permeability in a plurality of pieces of magnetic material which consists in adjusting the permeability of these pieces by magnetizing some of the pieces to their saturation point and then thoroughly demagnetizing them.

1,462,036. AUTOMOBILE HEADLIGHT AND REFLECTOR. THOMAS DE LEON GRAHAM, Philadelphia, Pa., assignor of one-third to F. Mortimer Cleveland, Philadelphia, Pa. Filed Aug. 25, 1922. Serial No. 584,199. 7 Claims. (Cl. 240—41.)



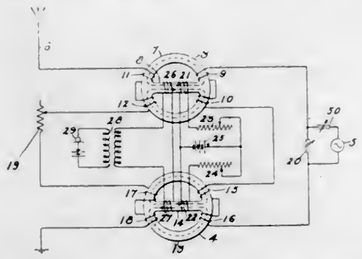
1. In a device of the character stated, the combination of a primary parabolic reflector and a convex reflector occupying the lower central portion of said primary reflector, and having its upper edge positioned within the front edges of said primary reflector and terminating at a point below the horizontal median line of said primary reflector.

1,462,037. PIPE-HOOK TONGS. LELAND S. HAMER Fullerton, Calif., assignor of one-half to William Webster Wilson, Los Angeles, Calif. Filed Apr. 21, 1921. Serial No. 463,423. 3 Claims. (Cl. 81—98.)



1. In a device of the character described, a handle; a pipe embracing member pivotally mounted adjacent one end upon the handle; pipe engaging teeth upon said handle on each side of said pivot; and means on said embracing member cooperating with means on the handle to limit their relative movement in either direction.

1,462,038. MODULATING SYSTEM. RALPH V. L. HARTLEY, South Orange, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y., a Corporation of New York. Filed Dec. 30, 1916. Serial No. 139,784. Renewed Oct. 25, 1922. Serial No. 596,899. 30 Claims. (Cl. 250—19.)



1. The combination of a source of high frequency currents, a line selectively responsive to modulated currents of said high frequency, means associated with said source and said line for modulating said high frequency currents, said means comprising two transformers having primary windings connected to said source and secondary windings connected in series opposition in said line, and signaling means for differentially controlling said transformers whereby a pure modulated wave is transmitted by said line.

1,462,039. DOLLY JACK. LEO J. MCKONE, Chicago, Ill., assignor to Mid-West Manufacturing Company, Minneapolis, Minn., a Corporation of South Dakota. Filed July 8, 1921. Serial No. 483,148. 12 Claims. (Cl. 254—2.)

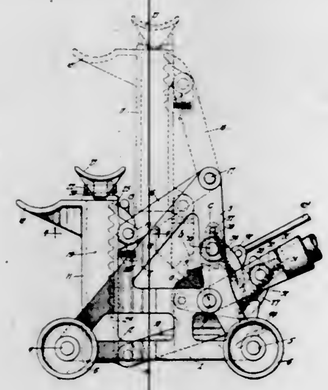


1. In a device of the kind described and in combination, a jack supporting frame, a triangular truss frame pivotally connected thereto and carried thereby, a lifting cap pivotally connected to and carried by said truss frame, a draw bar slidable in the jack frame, a link pivotally connected between said truss frame and draw bar, whereby a pull on said link will elevate the truss frame to raise the cap, a rack carried by said draw bar, and means for operating said rack.

1,462,040. TIRE-CHANGING JACK. LEO J. MCKONE, Chicago, Ill., assignor to Mid-West Mfg. Co., Minneapolis, Minn., a Corporation of South Dakota. Filed Sept. 8, 1921. Serial No. 499,154. 10 Claims. (Cl. 264—103.)

1. In a jack of the kind described and in combination, a supporting frame, a load-lifting head carried thereby, a ratchet wheel controlling said head, a lifting pawl engageable with said ratchet wheel, means for operating said pawl intermittently to partially rotate said ratchet wheel to move said head, a holding pawl engageable with

said ratchet wheel, means for yieldably releasing said holding pawl while said lifting pawl is in operative engagement with said ratchet wheel, and means operable by



said lifting pawl for automatically moving said released holding pawl into locking engagement with said ratchet wheel when said lifting pawl is released.

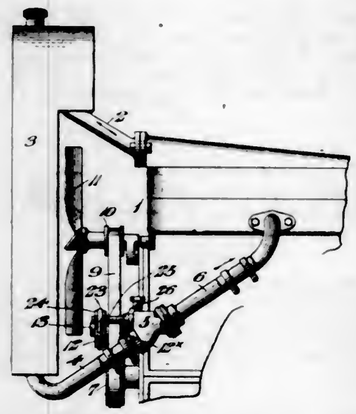
1,462,041. ATOMIZER. MABELLE A. MEYER, New York, N. Y. Filed Feb. 19, 1920. Serial No. 359,840. 1 Claim. (Cl. 299—66.)



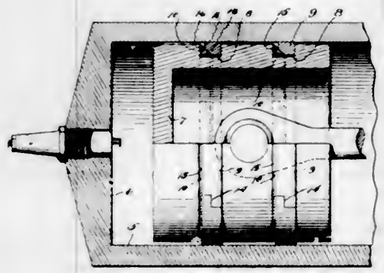
A perfume atomizer consisting of the combination of the bottle for containing the material to be sprayed, a doll figure having a body portion and costume portions adapted to enclose the bottle, and a stopper rigid with the body portion of the figure adapted to close the mouth of the bottle, a spray tube extending from the liquid within the bottle through the stopper, thence through the doll figure to an exterior point convenient for atomizer purposes, a spray bulb located between the bottle and the costume portions which enclose it and adapted to be operated while thus enclosed, and a connection from said bulb to the interior of the bottle for causing the perfume to be delivered through said spray tube to the point of atomization when said bulb is operated.

1,462,042. WATER CIRCULATOR FOR AUTO ENGINES. GOTTLIEB MULLER and MATHEW B. HILL, Philadelphia, Pa.; said Hill assignor, by mesne assignments, of his entire right to John B. Taylor, Philadelphia, Pa. Filed June 27, 1921. Serial No. 480,660. 2 Claims. (Cl. 74—26.)

1. In an attachment for the cooling syatem of an internal combuation engine, a fixed arm, a relatively movable arm pivoted at one end thereon, a clip embracing said arms between the pivot and free end of the movable arm, a shaft on the free end of the movable arm, a friction roller on said shaft, and a spring having one end secured to said shaft and its free end received in said clip and bearing on the top edge of said fixed arm.

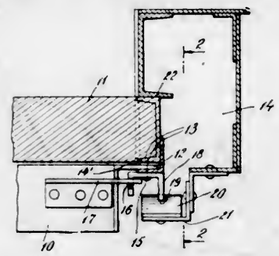


1,462,043. PISTON RING. JOHN E. NORWOOD, Baltimore, Md. Filed May 27, 1918. Serial No. 236,860. 2 Claims. (Cl. 74—109.)



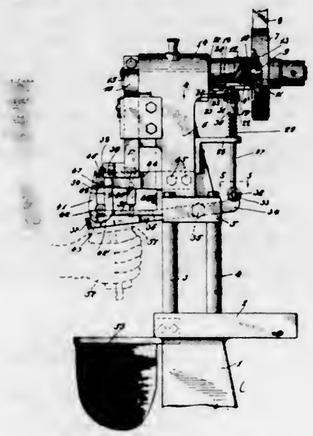
1. The combination with the cylinder of an explosive engine and a peripherally grooved piston therein, of a composite ring comprising a radially expansible annular section within and of less width than the groove, and projecting from the groove into peripheral contact with the cylinder wall and having one end face contacting with a side wall of the groove and its other end face beveled to its inner periphery, the ring comprising also a second annular radially expansible section disposed between and contacting with the face of said bevel and the other side wall of the piston groove, the face of the second section that contacts with the beveled face of the first section being conical and continuous to the periphery of the piston where it meets the corresponding end wall of the section.

1,462,044. SECTIONAL DOOR. JOHN EDWARD OGDEN, Mountainville, N. Y. Filed Aug. 12, 1921. Serial No. 491,696. 14 Claims. (Cl. 20—19.)



1. In combination, a door post, vertically movable door sections and means carried by the post for moving one of the sections into engagement with said post and means carried by the said section for moving another section into engagement with the post.

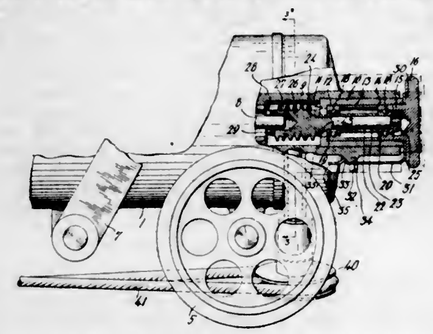
1,462,045. NAIL-EXTRACTING APPARATUS. ABRAHAM PIASER, Elmhurst, N. Y., assignor to Rosenwasser Bros., Inc., Astoria, N. Y., a Corporation of New York. Filed Dec. 18, 1919. Serial No. 345,854. 11 Claims. (Cl. 12—16.)



1. In a machine of the class described, the combination with gripping means, of means for operating said gripping means including a shaft, driving means normally disconnected from said last mentioned means on said shaft to establish an operative connection between said shaft and said driving means, and means adapated to be engaged and raised upwardly by the work to actuate said connecting means whereby said gripping operating means will be driven by said driving means.

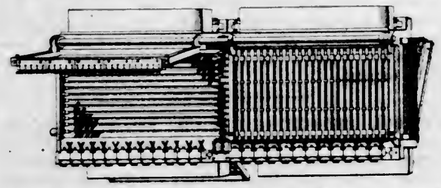
1,462,046. CLUTCH MECHANISM. CHARLES E. REDDIG, Richmond Hill, N. Y., assignor to Western Electric Company, Incorporated, New York, N. Y., a Corporation of New York. Filed May 1, 1920. Serial No. 378,142. 3 Claims. (Cl. 192—67.)

1. A clutch mechanism for vacuum cleaners having a rotatable brush and an electric motor, comprising a casing, a worm slidable in said casing into and out of operative connection with the armature shaft of said motor, a worm gear meshing with said worm, a brush actuating mechanism operatively connected with said worm gear, and a slidable sleeve operatively connected with said



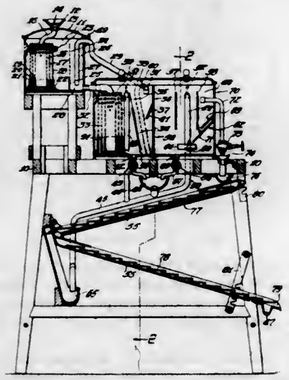
worm and disposed in said casing for sliding said worm into and out of operative connection with the armature shaft of said motor.

1,462,047. CROSSBAR LINE SWITCH. JOHN NEWBERRY REYNOLDS, Greenwich, Conn., assignor to Western Electric Company, Incorporated, New York, N. Y., a Corporation of New York. Filed Oct. 14, 1920. Serial No. 416,835. 10 Claims. (Cl. 179—27.5.)



2. A line switch comprising a plurality of vertical trunk bars, a plurality of horizontal individually operable line bars cooperatively associated with said trunk bars and a hinged member on which said line bars are mounted.

1,462,048. APPARATUS FOR CLEANING AND CLARIFYING USED LUBRICATING OIL. TREGARTHEN DAVIS RICHARDS, Marrickville, near Sydney, New South Wales, Australia. Filed Sept. 23, 1922. Serial No. 590,022. 5 Claims. (Cl. 210—43.)



1. Apparatus for recovering clean oils from dirty used lubricating oils by water washing the same whilst in a

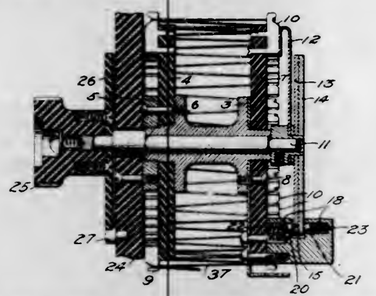
minutely subdivided condition, said apparatus consisting essentially of a plurality of vessels fitted respectively with diaphragms of fine wire gauze with clearance spaces intervening them., said diaphragms disposed substantially vertically and across the direction of flow of liquid through said vessels, means for maintaining a uniform level of liquid in said vessels submerging said diaphragms, means for introducing an agitated mixture of dirty oil and water forward of the terminal screen at the end of one of said vessels, means for reagitating the mixed oil and water during its course through said vessels, a separator vessel connected serially with the wash vessels, means for removing water from the bottom strata in all said vessels and clean oil from the top stratum in said separator vessel, and means for removing deposited foreign matter from all said vessels.

1,462,049. FASTENING DEVICE FOR WEARING APPAREL. SAMUEL RIVETTS, Philadelphia, Pa. Filed Oct. 18, 1921. Serial No. 509,574. 1 Claim. (Cl. 24—224.)



A fastening device comprising a threaded shank having a flange at one end, an ornamental button applied to the shank to grip a member to be secured between the button and flange, a head on the shank spaced from the flange, and a complementary member including spaced flanges to grip the shank between the head and flange and adapted to receive the parts at one end of the flanges in tight engagement, with means forming part of the complementary member for attachment to another member to be secured.

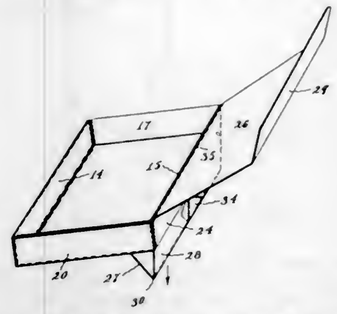
1,462,050. SWITCHING DEVICE. EDWARD O. SCRIVEN, New York, N. Y., assignor to Western Electric Company, Incorporated, New York, N. Y., a Corporation of New York. Filed Dec. 27, 1921. Serial No. 524,993. 6 Claims. (Cl. 200—11.)



1. A switching device comprising a plurality of contact terminals, a contact arm for engaging said contact terminals, means for yieldably holding the contact arm in contact with alternate terminals, and similar independent means for yieldably holding the contact arm in contact with the other terminals.

1,462,051. COUNTER CARTON. AUGUST SEIFERT, Brooklyn, N. Y., assignor to Robert Gair Company, Brooklyn, N. Y., a Corporation of New York. Filed Apr. 22, 1920. Serial No. 375,758. 8 Claims. (Cl. 206—44.)

1. In a container formed by folding, the combination of, an outer bottom; an inner bottom receivable in the outer bottom; sides and ends for the outer and inner bottoms; the sides and ends of the outer bottom providing outer sides and outer ends for the container and the sides and ends of the inner bottom providing inner sides and inner ends for the container; means for locking said outer and inner sides and outer and inner ends in operative relation in the container; and a covering portion

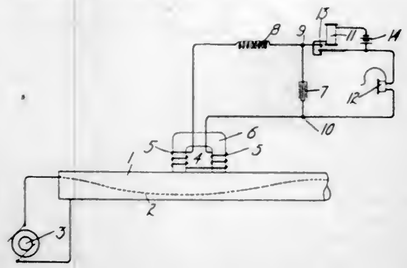


for the container; the outer bottom having an easel brace portion connected to one of said outer sides; said easel brace portion and the outer side connected thereto being movable to provide an easel brace and an easel back for supporting the container in display position.

1,462,052. PROCESS FOR OBTAINING NITRIC ACID BY MEANS OF THE ELECTRIC ARC IN A CLOSED CYCLE. WERNER SIEBERT, Laufenburg, Switzerland, assignor to Nitrum Aktiengesellschaft, Zurich, Switzerland, a Corporation of Switzerland. Filed May 13, 1922. Serial No. 560,728. 5 Claims. (Cl. 204—31.)

1. In a process for obtaining nitric acid by means of the electric arc in a closed cycle, the maintaining of a relatively low temperature within the absorption apparatus so that the content of vapor in the oxygen and nitrogen gas mixture led back to the electric furnace is reduced to a negligible amount.

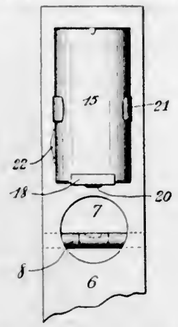
1,462,053. ELECTRICAL TESTING SYSTEM. HUGH M. STOLLER, New York, N. Y., assignor to Western Electric Company, Incorporated, New York, N. Y., a Corporation of New York. Filed Nov. 13, 1920. Serial No. 423,884. 10 Claims. (Cl. 175—183.)



1. In a system for locating faults in cable conductors, a source of variable current to be impressed on such faulty conductor, an exploring coil, a circuit including the exploring coil and tuned to resonance at the frequency of the source of variable current, and a current detector associated with said circuit.

1,462,054. LEVEL. HEDVIG TANGEE, New York, N. Y. Filed May 16, 1922. Serial No. 561,519. 1 Claim. (Cl. 240—8.4.)

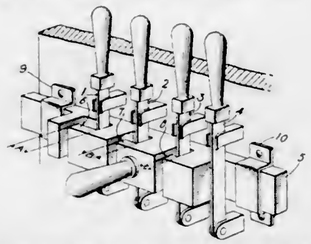
The combination with a level, of a device for illuminating the gages thereof, said devices comprising a rectangular supporting plate having two of its parallel sides bent to form hooks, and means for securing said plate to the level, a bracket plate having its one end portion bent back upon itself to form a hook member adapted to engage the hooks formed on said supporting plate for detachably securing said bracket to the said plate, the other end of



said bracket being bent to form a foot at right angles thereto, said foot being provided with an aperture, and a spring member secured to said bracket and adapted to hold a flashlight in position with the lamp illuminating through the said aperture, said foot portion having an outer upwardly turned lip to prevent displacement of the said flashlight

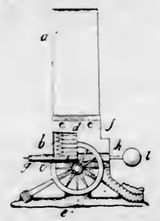
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1,462,055. INTERLOCKING KNIFE SWITCHES. LEWIS C. WESCOAT, Elmhurst, N. Y., assignor to Western Electric Company, Incorporated, New York, N. Y., a Corporation of New York. Filed Dec. 27, 1919. Serial No. 347,801. 6 Claims. (Cl. 200—5.)



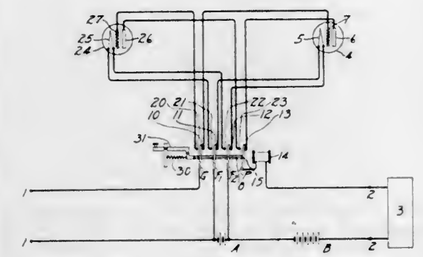
4. In combination, two switches, each having a contact blade, and a bar provided with an overhanging ledge, said bar cooperating with said switches so that one switch cannot be opened until the other switch has been opened and so that said second mentioned switch cannot be closed until said first mentioned switch has been closed.

1,462,056. PACKING AND DELIVERING GRAMOPHONE AND LIKE NEEDLES. CLIFTON WEST, London, England. Filed Jan. 21, 1922. Serial No. 530,964. 2 Claims. (Cl. 211—8.)



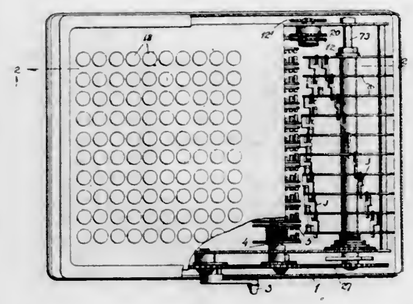
1. The combination with a fixed support, a holder carried by said fixed support and a reciprocal plunger mounted in said support and operating in the bore of a barrel formed therein of a replaceable magazine comprising a closed container for gramophone needles provided with apertures in its sides, said apertures registering with the said bore when the magazine is placed within the said holder and means for retaining said magazine in its operative position therein for ejection of the needle contents by the aforesaid reciprocal plunger.

1,462,057. SWITCHING MECHANISM FOR VACUUM TUBES AND THE LIKE. PETER I. WOLD, East Orange, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y., a Corporation of New York. Filed Sept. 27, 1920. Serial No. 413,097. 10 Claims. (Cl. 250—27.)



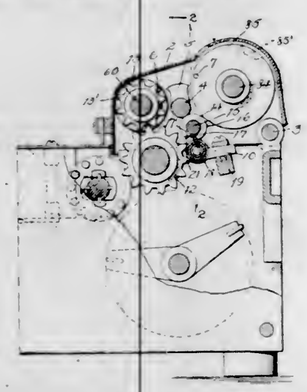
1. An electrical circuit comprising a vacuum tube element having an anode and a catbode, a second element of the same character, means for supplying space current to said first tube, means for supplying heating current to the filament of said first tube, and means responsive to the deterioration of said first tube for replacing said first tube with said second tube and to connect both of said supply means thereto.

1,462,058. CARRY MECHANISM FOR REGISTERS. EDWIN F. BRITTEN, Jr., Maplewood, N. J., assignor to Monroe Calculating Machine Company, New York, N. Y., a Corporation of New York. Filed Apr. 14, 1920. Serial No. 373,834. 4 Claims. (Cl. 235—133.)



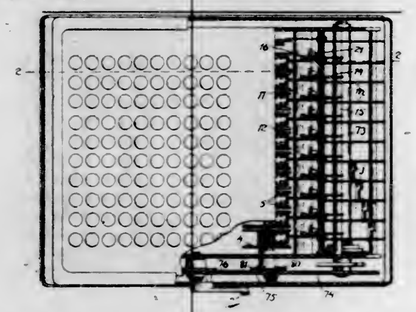
1. In a register, an endwise-shiftable carriage, register wheels mounted thereon, means for selectively operating said wheels, and carry mechanism comprising means for effecting a delayed carry between certain of said wheels in a given position of the carriage, and means for effecting a carry to one of the last-named wheels simultaneously with the passage of the next lower order wheel to decimal position, in another position of the carriage.

1,462,059. AUTOMATIC CARRIAGE RAISING MEANS FOR CALCULATING MACHINES. EDWIN F. BRITTEN, Jr., Maplewood, N. J., assignor to Monroe Calculating Machine Company, New York, N. Y., a Corporation of New York. Filed Aug. 3, 1920. Serial No. 400,972. 2 Claims. (Cl. 235—82.)



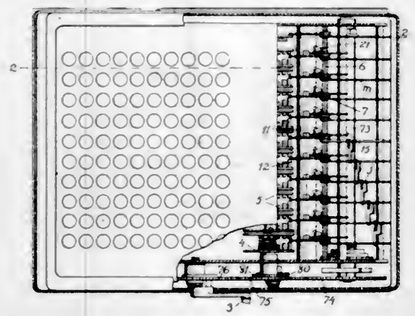
2. In a calculating machine, a series of gears, an endwise shiftable pivoted carriage having a series of numeral wheels provided each with a gear in mesh with the related gear of said series, means for setting said numeral wheels to zero, and means cooperating therewith for automatically raising the carriage and holding it raised during the zero setting, including a rotary cam mounted on the carriage and a series of spaced stationary transverse frame members disposed in parallel vertical planes at right angles to the shaft of said cam and having each a horizontally bent extension adapted to form a bearing for said cam.

1,462,060. CARRY-SET MECHANISM FOR CALCULATING MACHINES. EDWIN F. BRITTEN, Jr., Maplewood, N. J., assignor to Monroe Calculating Machine Company, New York, N. Y., a Corporation of New York. Original application filed Nov. 23, 1920, Serial No. 426,043. Divided and this application filed Sept. 2, 1921. Serial No. 497,863. 6 Claims. (Cl. 235—138.)



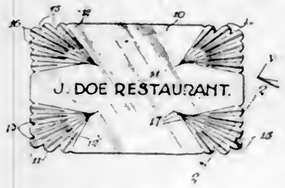
1. In a calculating machine, numeral wheels rotatable in either of two directions, carry mechanism including driving elements, and reciprocatory pivoted arms operable by said numeral wheels and adapted to move said elements from inactive to active position, said arms having each a pivoted tooth engaged by said wheels and being thereby adapted to allow excess movement of said numeral wheels when suddenly checked without depression of the arms.

1,462,061. OVERTHROW CHECK FOR CALCULATING MACHINES. EDWIN F. BRITTEN, Jr., Maplewood, N. J., assignor to Monroe Calculating Machine Company, New York, N. Y., a Corporation of New York. Original application filed Nov. 23, 1920, Serial No. 426,043. Divided and this application filed Sept. 2, 1921. Serial No. 497,864. 8 Claims. (Cl. 235—131.)



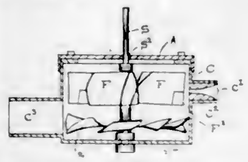
1. In a calculating machine, selecting mechanism including driving elements, carry mechanism including driving elements, numeral wheels operated by said selecting elements and more rapidly by said carry elements, spring overthrow preventing means for said numeral wheels, and positively acting overthrow preventing means for said numeral wheels operable only during the carry operation.

1,462,062. TOOTHPICK AND METHOD OF MAKING SAME. GEORGE M. BROWNING, New York, N. Y. Filed Nov. 1, 1922. Serial No. 598,284. 8 Claims. (Cl. 132—93.)



1. A toothpick carrier comprising a sheet of hard flexible material having surface cuts arranged to outline toothpick blanks therebetween.

1,462,063. APPARATUS FOR AERATING LIQUIDS. CHARLES JOHN CUTCLIFFE WRIGHT HYNE, Bradford, England. Filed July 26, 1922. Serial No. 577,721. 1 Claim. (Cl. 261—25.)

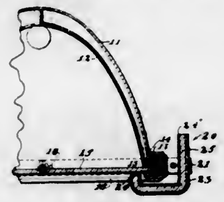


An aerating device of the class described comprising a casing having a cylindrical shape and provided at one end with means for the admission of air, a water supply nozzle at one side of the casing adjacent the open end thereof, a water outlet tube at the opposite side of the casing adjacent the remaining end thereof, a shaft mounted axially of the casing, a combined fan and water wheel fixed on said shaft adjacent the open end of the casing, said fan and water wheel having a series of blades each curved at the portion adjacent the open end of the casing to constitute a fan element arranged to draw air in through said open end, said blades each further having a portion remote from the open end of the casing arranged to pass in front of said nozzle and shaped to form an impeller bucket, and an agitator on said shaft below the fan having propeller like blades and positioned opposite the outlet tube whereby to mix the air and water in said casing.

1,462,064. PROCESS FOR THE PRODUCTION OF SODIUM DECABORATE FROM BORON ORES. ALBERT ANDREW KELLY, London, England. Filed Feb. 17, 1922. Serial No. 537,306. 2 Claims. (Cl. 23—13.)

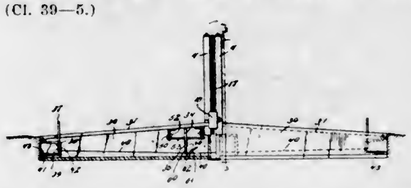
1. A process for the production of sodium decaborate, comprising mixing boron ore with water, heating the mixture and treating the mixture with sulphur dioxide so that on cooling the decaborate is obtained therefrom.

1,462,065. ATTACHMENT FOR HEADLIGHTS. BERNARD J. LEE, Los Angeles, Calif. Filed May 31, 1921. Serial No. 474,012. 2 Claims. (Cl. 240—46.)



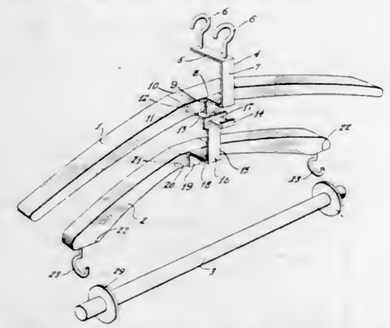
1. In a headlight the combination of a casing, a light in the rear of said casing, a transparent rod supported on said casing and having a portion thereof transversely disposed relative to the headlight and one end thereof positioned in front of the light, and the other end visible from the rear of the casing, and an opaque element covering all but the ends of said rod.

1,462,066. GATE. JAMES M. MCDANIEL, Amarillo, Tex. Filed Oct. 11, 1921. Serial No. 506,948. 2 Claims. (Cl. 39—5.)



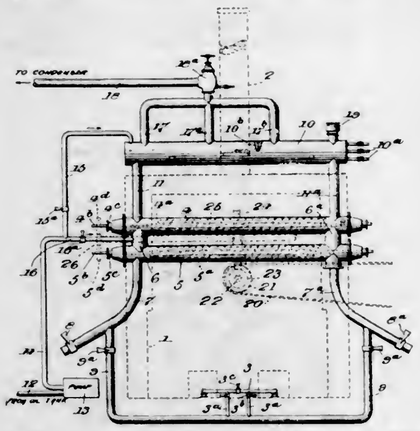
1. The combination of a collapsible gate, a weighted lever to close and yieldingly maintain the gate in closed position, a trough below the gate, troughs in parallelism arranged at opposite sides of and at right angles to the first named trough, wheel levers pivoted at their outer ends in the second-named troughs and having their inner ends arranged above the first-named trough, means connecting the inner ends of the wheel levers and the gate, bail-shaped levers movable vertically below the inner portions of the wheel levers at one side of the first-named trough, said levers having arms, bail-shaped control levers straddling the outer end portions of the wheel levers and having arms, cables connecting the arms of said control levers and the arms of the first-named bail-shaped levers, bell-crank levers having arms arranged at the inner sides of the arms of the control levers, retractile springs interposed between the arms of the bell-crank levers and the ends of the second-named troughs, pendant tappets on the inner portions of one pair of wheel-levers, said tappets being beveled and being provided at their opposed faces with hooks adapted to assume positions below the first-named bail-shaped levers, and springs on the walls of the troughs and having shoulders adapted to engage the first-named bail-shaped levers and detachably hold the same in depressed position, said shoulders being released from said levers by the beveled portions of the tappets.

1,462,067. GARMENT HANGER. JOHN T. MCKENNA, New York, N. Y. Filed Nov. 4, 1922. Serial No. 599,006. 6 Claims. (Cl. 211—13.)



1. A garment support embodying a coat hanger, a bracket secured to and supporting the coat hanger, said bracket being provided with a forwardly extending guiding arm for a vest hanger, a vest hanger, and a bracket secured to the vest hanger and demountably suspended for front to back sliding movement on the guiding arm of the coat hanger bracket for the purpose of conveniently hanging up or removing the vest or other garment from the vest hanger without disturbing a garment on the coat hanger.

1,462,068. PROCESS OF TREATING HYDROCARBON OILS. LEVI H. MANNING, Tucson, Ariz. Filed Apr. 16, 1921. Serial No. 461,994. 18 Claims. (Cl. 196—25.)

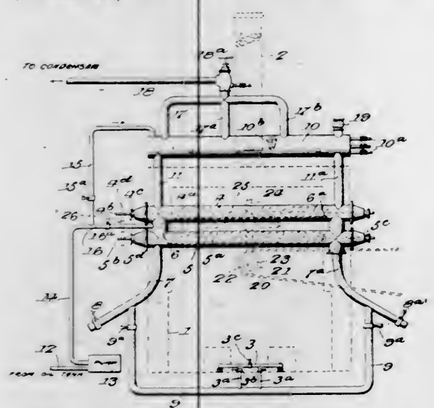


1. The process of treating hydrocarbon oils which process comprises subjecting the oil to be treated to a continuous agitating movement within a normally stationary and closed chamber and to contact with freely

movable metallic elements propelled within prescribed limits in said chamber, and subjecting said oil while in said chamber to a heat treatment applied to the exterior of the chamber.

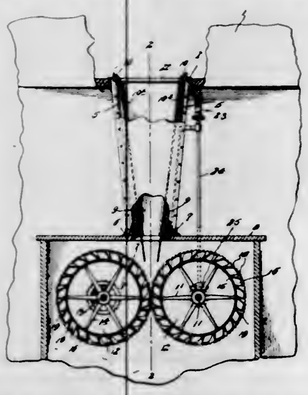
11. The process of producing hydrocarbon oils having low boiling points from hydrocarbon oils having high boiling points which process comprises subjecting the oil to be treated to a pulsating agitating movement lengthwise within a closed tubular container, and subjecting said oil to a heat treatment of at least 700° F. applied directly to the exterior of said container.

1,462,069. APPARATUS FOR TREATING HYDROCARBON OILS. LEVI H. MANNING, Tucson, Ariz. Filed Apr. 16, 1921. Serial No. 461,995. 50 Claims. (Cl. 196—25.)



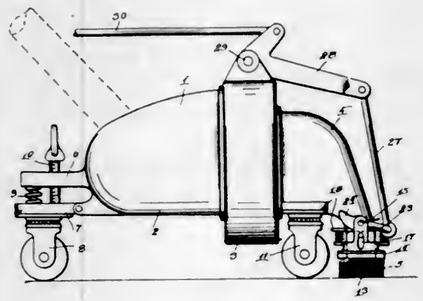
1. In an apparatus for heat treating hydrocarbon oils, a cylindrical treatment chamber, means for heating the exterior of said chamber, a rotatable shaft extending centrally through the length of said chamber, and a series of vanes fixed on said shaft to rotate therewith, each vane having its broader face transverse to the axis of said shaft and being positioned at an inclined angle to the axis of said shaft.

1,462,070. WATER-TURBINE CONSTRUCTION. FRANK PARMENTIER, Philadelphia, Pa. Filed Sept. 2, 1922. Serial No. 585,875. 6 Claims. (Cl. 253—136.)



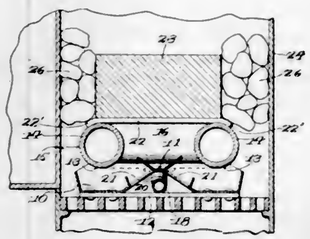
1. In a water turbine construction, the combination with a water containing basin having a discharge opening at its lower end, of a caisson depending from said basin and connected thereto at the discharge opening thereof, intermeshing water wheels below said caisson having their points contact in line with the center of said caisson, and adjustable vanes in said caisson for directing the water on to said water wheels at the point of contact thereof.

1,462,071. VACUUM CLEANER. PAUL RIEMAN, Rochester, N. Y. Filed July 18, 1921. Serial No. 485,666. 4 Claims. (Cl. 15—10.)



1. A vacuum cleaner, comprising a casing, casters supporting the rear and sides of said casing, a nozzle at the front of said casing, a brush surrounding the perimeter of said nozzle and means adapted to raise and lower said brush surrounding said nozzle.

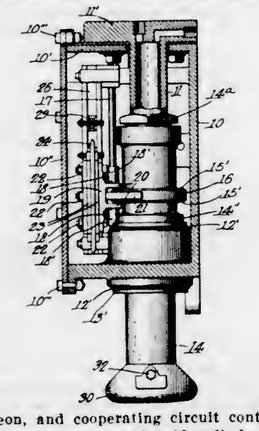
1,462,072. LIQUID-FUEL BURNER. CLYDE M. RUSHING, Bozeman, Mont. Filed May 2, 1922. Serial No. 557,883. 3 Claims. (Cl. 158—63.)



1. A heating device including a pan, an arch in the pan formed with openings in the sides thereof, outwardly extending air and gas directing wings in the openings, a generator above the arch, a burner disposed beneath the arch and having openings positioned to discharge flame through the air openings, and heat absorbing means supported on the generator.

1,462,073. TRAIN-CONTROL SHOE MECHANISM. ARCHIBALD G. SHAVER, Chicago, Ill., assignor to The Regan Safety Devices Company, Inc., New York, N. Y., a Corporation of New York. Filed May 14, 1921. Serial No. 469,529. 10 Claims. (Cl. 246—193.)

9. A ramp engaging mechanism for train control systems comprising a support, a fixed piston member carried thereby, a cylinder member mounted for slidable movement on said piston member and arranged exter-



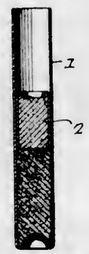
nally thereon, and cooperating circuit controlling means carried by said support and said cylinder member.

1,462,074. DETONATOR. WALTER O. SNELLING, Allentown, Pa., assignor to Trojan Powder Company, New York, N. Y., a Corporation of New York. Filed June 14, 1919. Serial No. 304,215. 6 Claims. (Cl. 102—43.)



5. A detonator comprising an initial priming charge, and a main charge comprising nitrostarch, an oxidizing agent, and a stabilizing agent.

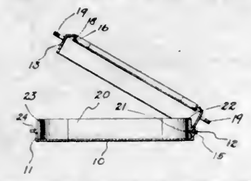
1,462,075. DETONATOR COMPOSITION. WALTER O. SNELLING, Allentown, Pa., assignor to Trojan Powder Company, New York, N. Y., a Corporation of New York. Original application filed June 14, 1919, Serial No. 304,215. Divided and this application filed Oct. 6, 1921. Serial No. 505,779. 6 Claims. (Cl. 52—4.)



1. A detonator composition comprising nitrostarch and an oxidizing agent.

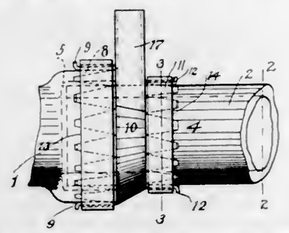
1,462,076. WATCHCASE. MAX SPIRO, New York, N. Y. Filed Apr. 28, 1922. Serial No. 557,187. 1 Claim. (Cl. 58—88.)

A watch case comprising a substantially rectangular casing having angular corners, a similar open faced cover hingedly connected to said casing, the hinge sleeves of both members projecting partly into the casing chamber, a carrier frame receptive of a watch movement being adapted to telescope into the casing and cover members, said carrier frame having a channel which receives the said inwardly projecting portion of the hinge, said channel being adapted to retain the car-



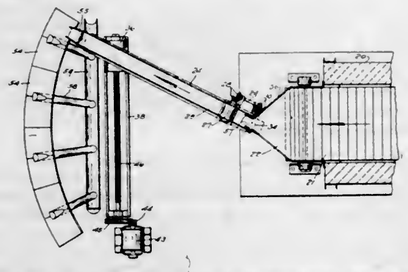
rier frame removably secure in either the casing or cover member, a longitudinal rib on the carrier frame on the side opposite to the channel and projecting outwardly between the cover and casing, said rib being adapted to retain the carrier frame in telescoped position in either the casing or the cover when said casing and cover are opened.

1,462,077. APPARATUS FOR FORMING PIPE JOINTS. LEROY A. WESTON, Adams, Mass. Filed Nov. 23, 1922. Serial No. 602,781. 5 Claims. (Cl. 25—127.)



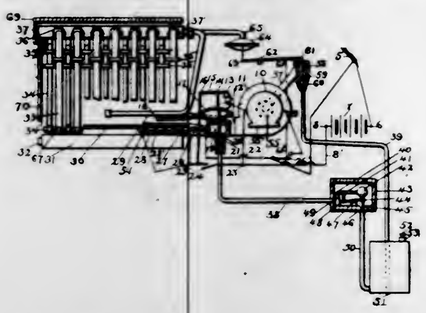
1. In a device for the purpose described, the combination with the spigot and bell ends of two adjacent sections of pipe, said device having two sets of flexible finger like elements designed to engage the outer ends of the bell and spigot end respectively, said fingers having upturned portions, bands engaging the fingers, and retained in place by the upturned portions, means for tightening the bands to draw the fingers against the pipe sections, said device having an upwardly extending member for introducing the joint forming material, as semi-liquid cement into the annular space between the sections.

1,462,078. WARE-DISTRIBUTING MECHANISM. PERCY Q. WILLIAMS, Cincinnati, and LEONARD D. SOURIER, Toledo, Ohio, assignors to The Owens Bottle Company, Toledo, Ohio, a Corporation of Ohio. Filed Apr. 10, 1922. Serial No. 551,052. 14 Claims. (Cl. 198—19.)



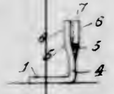
1. The combination of a leer, selecting tables, and automatic means to receive ware from the leer and distribute it to the selecting tables.

1,462,079. HEAT TRANSMISSION. JOSEPH LE ROY BANKS, Baltimore, Md. Filed Aug. 29, 1921. Serial No. 496,726. 18 Claims. (Cl. 158—29.)



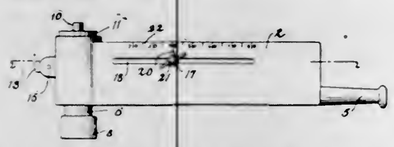
1. In a heat circulating system, a secondary preheater independent of the fire box, secured to the fuel supply, an electrical or primary preheater secured to the fuel supply intermediate of the secondary preheater and the fuel supply, and means for starting the primary preheater.

1,462,080. KNIFE SHARPENER. ARVID BOHLIN, Trenton, N. J. Filed Apr. 1, 1921. Serial No. 457,620. 2 Claims. (Cl. 76—86.)



1. A knife sharpener comprising, in integral formation, a base and a bifurcated standard embodying two oppositely disposed cutting members which partly overlap and are ranged one in advance of the other.

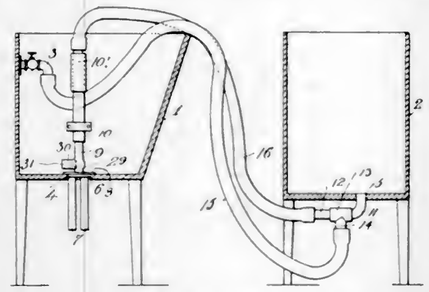
1,462,081. SAFETY DEVICE FOR INFLATING PNEUMATIC TIRES. HOWARD H. BREEDEN, Millville, N. J. Filed May 10, 1921. Serial No. 468,236. 2 Claims. (Cl. 137—53.)



1. In a device of the character described, an elongated valve housing having an open slot along one side, and a lever bearing in one end, a valve seated near said end, said valve having a slotted stem, an elongated lever passing through said slot and having its end pivotally connected to aforesaid lever bearing, slidable spring means pressing against said lever to hold said valve normally closed, means extending through aforementioned slot for moving said spring to regulate the air pressure required to open said valve, and an adjacent scale indicating said air pressure.

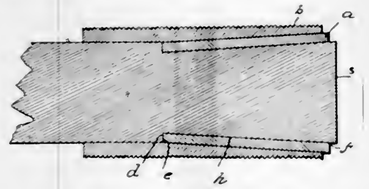
1,462,082. SIPHON APPARATUS. DAVID M. CARR, Brooklyn, N. Y. Filed Apr. 7, 1921. Serial No. 459,402. 7 Claims. (Cl. 137—20.)

1. In a device of the class described, a container, a drainage tube having three spaced openings of substantial equal area, one communicating with the container and one with a faucet and the other comprising a discharge tube, a siphon tube connected with the discharge tube, and automatic liquid control means to cause liquid under pressure entering the said opening communicating with the faucet to pass through the same into the discharge tube, and, when the flow of the liquid



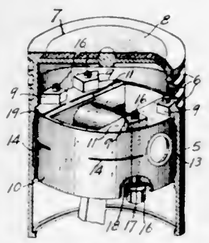
under pressure is cut off, to cause a flow of the liquid to be set up by gravity through the drainage and discharge tubes and the siphon tube, whereby the liquid in the container may be discharged.

1,462,083. ADJUSTABLE PROPELLER FERRULE AND WOOD-HOLDING DEVICE. NILS HERMAN CEDERQUIST, Los Angeles, Calif. Filed May 3, 1922. Serial No. 558,291. 4 Claims. (Cl. 170—173.)



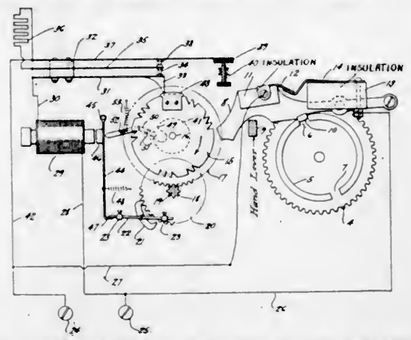
1. A wood holding device including a body member, a substantially cone shaped split bushing mounted thereon with its ends normally standing apart, and means mounted upon said bushing whereby to cause the edges thereof to move toward each other.

1,462,084. PISTON. JOHN W. CORSER, Los Angeles, Calif. Filed May 16, 1921. Serial No. 470,148. 3 Claims. (Cl. 74—108.)



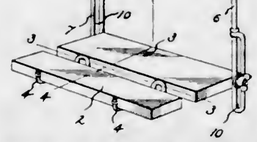
1. A piston comprising an imperforate skirt and a head, a wrist pin ring having aligned bushing openings and slits extending peripherally across said openings to allow for contracting them, said skirt having inner supporting means for attachment thereto of said ring, a disk interposed between said ring and said supporting means, bushings in said openings, and bolts extending through said ring and secured to said supporting means whereby to attach said ring to said supporting means and contract said openings for locking the bushings in place.

1,462,085. NONINTERFERING SIGNAL DEVICE. LEWIS DEGEN, Berkeley, Calif. Filed Aug. 23, 1920. Serial No. 405,455. 7 Claims. (Cl. 177—361.)



1. In a fire alarm box, the combination of a signalling train having a signal transmitter provided with a character wheel and a make and break, a resistance in circuit with said make and break, said signal transmitter including contact means operated by said character wheel to short circuit said resistance when said train is normally stopped and for an interval after starting of the train, a stop to lock said train, a catch for said stop, means normally holding the latter so as to stop said train, an electro-mechanical means in circuit with said make and break and controlling said catch so that when said resistance is short circuited said catch will be moved to release said stop means and to hold said catch in release position after said train has moved said interval and during a round of signals.

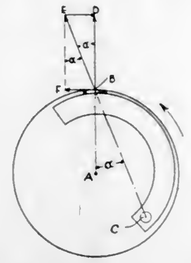
1,462,086. LADDER ATTACHMENT. PHILANDER M. ECHLIN, Toronto, Ontario, Canada. Filed Oct. 13, 1922. Serial No. 594,340. 1 Claim. (Cl. 304—34.)



The combination with a ladder, of a foot support therefor, comprising a platform made up of spaced boards, U-shaped brackets connecting the boards and designed to rest on one of the rounds of the ladder, a hanger formed from a single strand of wire, said hanger having its arms at their lower ends bent upon themselves to provide yokes, elements secured to the platform passing through the yokes, adjustable binding elements engaging the last mentioned elements and contacting with the members of the yokes, said hanger having its arms at their upper ends bent to provide hooks to engage another round of the ladder, and a connecting element between the hooks.

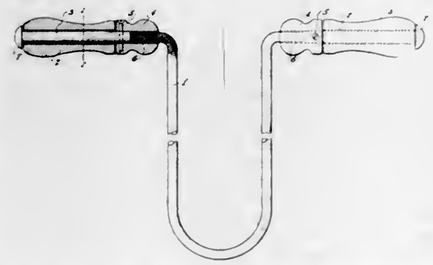
1,462,087. CENTRIFUGAL GOVERNOR. CHARLES J. HENDRICKSON, New York, N. Y., assignor to Western Electric Company, Incorporated, New York, N. Y., a Corporation of New York. Filed Sept. 28, 1921. Serial No. 503,842. 4 Claims. (Cl. 188—184.)

3. A centrifugal governor comprising a stationary member having an annular surface, a rotatable member comprising a fly-weight, a friction stud for frictionally engaging said annular surface and so placed upon the



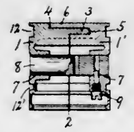
fly-weight that any driving force in excess of that required to maintain a predetermined speed of operation is substantially opposed by the frictional retarding force.

1,462,088. JUMP ROPE. GEORGE C. LA SARES, Springfield, Mass., assignor to C. E. Bradley Corporation, Brattleboro, Vt., a Corporation of Vermont. Filed Feb. 15, 1922. Serial No. 536,800. 3 Claims. (Cl. 46—30.)



1. A jump rope construction, having in combination, with the rope, of handle members formed with openings therein, devices loosely mounted in the openings of the handle members, devices formed to receive the loosely mounted devices in the openings of the handles, means for securing the two devices together, the second mentioned devices serving to secure the ends of the rope thereto, whereby when the rope is rotated the handle members will remain stationary and the loosely mounted devices therein will turn with the rope as described.

1,462,089. SPLIT PISTON FOR INTERNAL-COMBUSTION ENGINES AND ANALOGOUS USES. GEORGE THOMAS LEWIS, Middleville, N. Y. Filed Sept. 19, 1922. Serial No. 589,096. 3 Claims. (Cl. 74—108.)



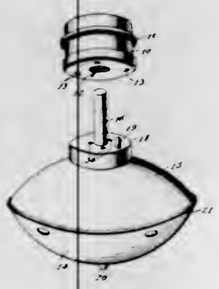
1. A piston composed of opposite sections, a coupling pin extending diametrically through both sections at substantially right angles to the plane of their meeting edges, the meeting sides of the head end of each section being provided with a laterally projecting tongue and a groove, the tongue of each section being slidable in the groove of the other section.

1,462,090. TOY. FRANK L. LINDSTROM, Bridgeport, Conn. Filed Jan. 21, 1922. Serial No. 530,779. 5 Claims. (Cl. 46—40.)



1. A toy of the character described, comprising a body and a differential winding drum mounted therein, said winding drum consisting of a pair of pulleys connected to turn with each other, and one of said pulleys consisting of a plurality of stampings including a cup shaped member having an annular pulley face and an integral bottom having a central perforation forming a bearing for the pulley, and a flange plate secured at the open side of said cup shaped member and having a central perforation forming a second bearing for the pulley spaced from said first bearing, and a shaft supported by said body and engaging said bearings.

1,462,091. SPINNING TOP. FRANK L. LINDSTROM, Bridgeport, Conn. Filed Jan. 21, 1922. Serial No. 530,780. 7 Claims. (Cl. 46—32.)



1. A top body comprising a lower section having a centrally arranged spindle, an upper section, a supporting member having its opposite edges fastened between said sections, and a stem, the body portion of which is fitted in a centrally arranged hole in the upper section and the lower end of which is associated with the supporting member, said stem being arranged directly above and in alignment with said spindle.

1,462,092. VACUUM VESSEL, SLAB, PARTITION, AND OTHER DOUBLE-WALLED VACUUM STRUCTURE. ARTHUR JOHN ROACH-CUMING, London, England. Filed Nov. 19, 1919. Serial No. 339,131. 2 Claims. (Cl. 220—9.)

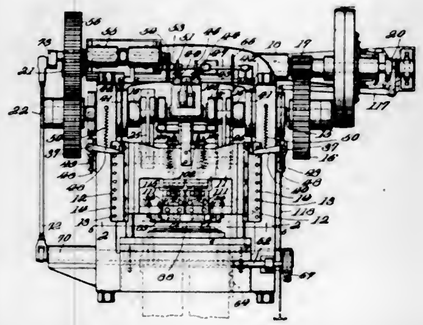


1. A heat insulating device comprising a vacuum chamber having walls formed of metal, the vacuum-facing surfaces of said walls being coated with a substance for preventing the discharge of material from said surfaces into the vacuous space in said chamber.

1,462,093. DETONATOR COMPOSITION. CHARLES E. WALLER, Allentown, Pa., assignor to Trojan Powder Company, New York, N. Y., a Corporation of New York. Filed May 13, 1921, Serial No. 469,193. Renewed Apr. 4, 1923. 7 Claims. (Cl. 52—4.)

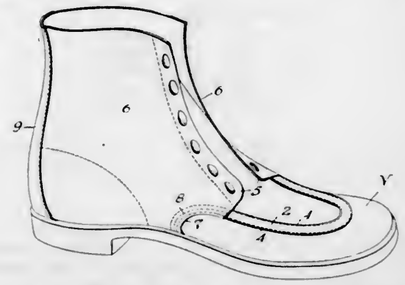
3. A primer composition comprising an oxidizing agent, a stabilizing agent, and nitrostarch in granules of an average size in excess of .045 mm.

1,462,094. GANG DIE PRESS. HARRY C. H. WALSH, Chicago, Ill., assignor to Continental Can Company, Inc., Syracuse, N. Y., a Corporation of New York. Filed Dec. 9, 1920. Serial No. 429,395. 24 Claims. (Cl. 164—88.)



1. A die press comprising a gang of similarly formed dies, means for reciprocating said dies, means for feeding a sheet step by step to said dies, and means for suspending the movements of any one of said dies when the same overlies the edge of the sheet.

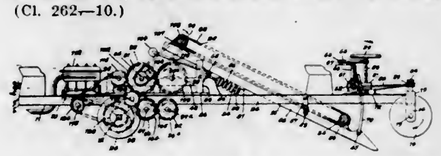
1,462,095. SHOE OR BOOT. ELI H. WIEL, San Francisco, Calif., assignor to Buckingham & Hecht, San Francisco, Calif., a Corporation of California. Filed Feb. 4, 1922. Serial No. 534,092. 2 Claims. (Cl. 36—11.)



1. A boot or shoe having a one piece vamp and having an exterior U-shaped reinforcing stay fastened along the sides and across the toe of the vamp.

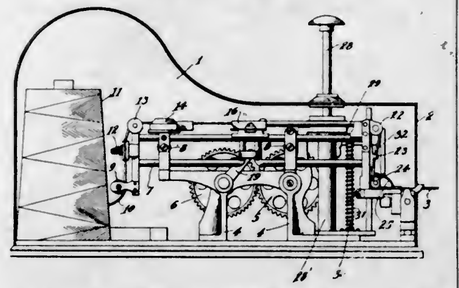
2. A boot or shoe having quarters and a one piece vamp which are connected together by seams and having an exterior U-shaped reinforcing vamp stay secured along the sides and across the toe of the vamp and extending along and covering and protecting the seams which connect the vamp and quarters.

1,462,096. MACHINE FOR REMOVING AND CRUSHING ROCK. PETER HENRY WIERTZ, New York, N. Y. Filed June 21, 1922. Serial No. 569,878. 4 Claims. (Cl. 262—10.)



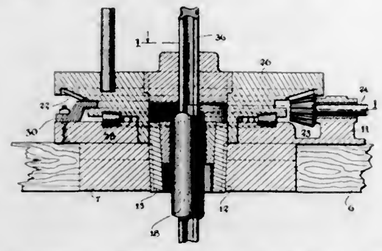
3. In a machine for removing and crushing rock, in combination, a bed, a shovel, a carrier operably mounted on top of the bed for conveying to the rear of the bed rock received on the shovel, rotatable crushers under the carrier for receiving and crushing rock delivered by the carrier, and mechanism operative for driving the carrier and to rotate the crushers.

1,462,097. TWINE-CUTTING DEVICE. SHIGETARO YAMADA, Honolulu, Territory of Hawaii. Filed June 11, 1921. Serial No. 476,786. 6 Claims. (Cl. 30—14.)



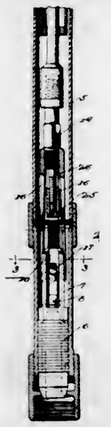
1. A machine of the character described, comprising a base, reciprocating twine feeding means carried thereby, a knife adapted to sever twine interposed in the path thereof, a hand operated rod for actuating said knife, and means operated by said rod for moving the twine feeding means to cause the end portion of the twine to be fed forwardly, said actuating means comprising meshing gears operated by the rod, and a crank arm connected with one of the gears and engaging the reciprocating twine feeding means for moving said feed upon the actuation of the gears.

1,462,098. DRILLING MACHINE. HARRY C. BREWSTER, Shreveport, La. Filed Sept. 19, 1921. Serial No. 501,702. 7 Claims. (Cl. 255—23.)



1. A drilling machine comprising skids, a sub-bed having attaching members imbedded in said skids, a main bed arranged above the sub-bed and having gripping devices.

1,462,099. FISHING TOOL. CHARLES H. BROWN, Breckenridge, Tex. Filed Oct. 29, 1921. Serial No. 511,366. 4 Claims. (Cl. 294—86.)

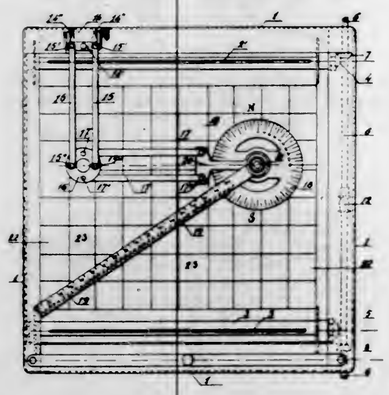


1. A fishing tool comprising a head having a plurality of forwardly directed arms provided with inwardly directed flat barbs adapted to be received within the slots of a valve cage, the forward terminal portions of said arms and said barbs being beveled whereby to spread the arms upon being engaged with the valve cage, and adjustable means to limit the forward movement of said arms, said adjustable means being rotated between and protected by said arms.

1,462,100. DEVICE FOR DETERMINING THE COURSE ON FLYING MACHINES. GIANNI CAPRONI, Milan, Italy. Filed May 28, 1919. Serial No. 300,274. 3 Claims. (Cl. 35—6.)

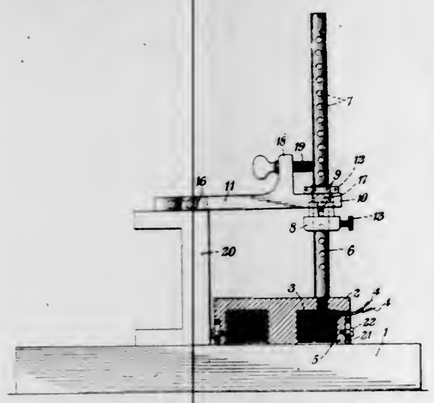
1. A device of the character described including a casing having a transparent top provided with graduated lines dividing said transparent top into a number

of squares, a map movably mounted in said casing beneath said transparent top, a deformable double parallelogram device mounted on said casing and bearing



against said transparent top, a protractor and a rule attached to the movable end of said parallelogram device, and means to permit said parallelogram device to be raised from said transparent top.

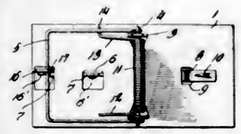
1,462,101. TOOL. ERICK G. COLSON, Glen Morris, N. Y. Filed Jan. 19, 1921. Serial No. 438,494. 5 Claims. (Cl. 90—59.)



1. A tool adapted for use on magnetizable surfaces, comprising a base, an electromagnetic coil associated with the base, and adapted when energized to hold the base in engagement with a magnetizable surface, and a tool support carried upon the base and movable independently thereof with definite guidance with relation to work.

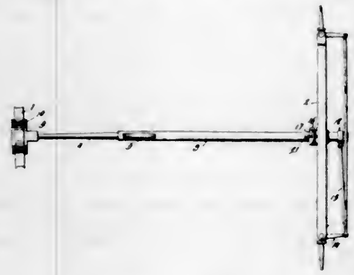
1,462,102. TRAP FOR CAPTURING ANIMALS. ARVY B. DODSON, Longton, Kans. Filed Nov. 15, 1921. Serial No. 515,363. 1 Claim. (Cl. 43—81.)

In combination, a platform, a spring actuated animal engaging element associated therewith, a trip arm fulcrumed on the platform, a dog fulcrumed on the platform and having one end formed so as to engage the animal engaging element for holding it in an inoperative position and an extension formed on its other end with a notch provided therein for receiving an end of



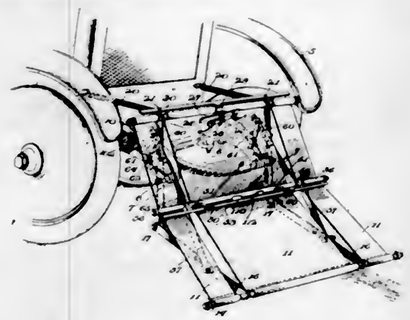
the trip arm, and a spring element mounted on the dog so as to press against the said end of the trip arm so as to normally hold it in the said notch.

1,462,103. VEHICLE TRAILING DEVICE. LOUIS ERICKSON, La Crosse, Wis. Filed July 5, 1921. Serial No. 482,398. 1 Claim. (Cl. 280—33.5.)



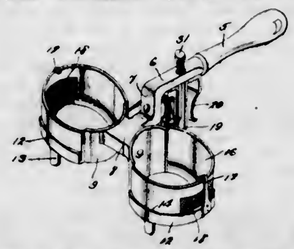
A device for attaching a towing bar to a towed vehicle including a U-shaped bracket, an engaging casting pivotally mounted in the bracket and including a plate, and a hook member, said plate and hooked member diverging from each other, and a set screw mounted in the plate.

1,462,104. AUTOMOBILE FENDER. SAMUEL G. FITZSIMONS, Charleston, S. C. Filed Mar. 19, 1923. Serial No. 626,070. 7 Claims. (Cl. 293—41.)



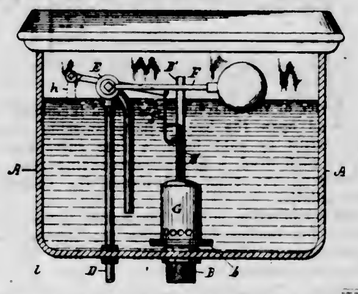
1. An automobile fender comprising a pair of main levers having means whereby the same may be pivoted intermediate their ends to a motor vehicle, a roller carried by the terminal portions of said levers, supporting arms pivoted to the lower portions of said levers, a second roller carried by the outer terminal portions of said arms, and links connected to said arms and to said levers, a contact bar carried by said links, and a curtain connected to said rollers.

1,462,105. DEVICE FOR COOKING UTENSILS. JOHN J. HART, Omaha, Nebr. Filed Oct. 14, 1921. Serial No. 507,602. 14 Claims. (Cl. 53—1.)



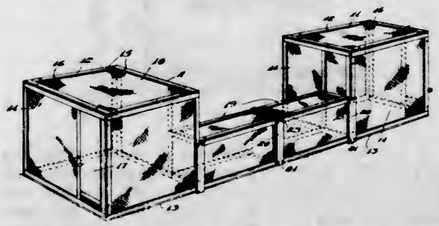
7. An egg poacher comprising a support, a receptacle tiltably connected thereto and having an opening in a side thereof through which an egg is discharged, means for tilting the receptacle, and means carried by the support for closing the opening when the receptacle is arranged in its normal position.

1,462,106. MEANS FOR CONTROLLING FLUSH-TANK VALVES. EDWARD G. HEDGES, Newark, and WALTER W. HENRY, Bloomfield, N. J. Filed May 14, 1921. Serial No. 469,546. 4 Claims. (Cl. 4—5.)



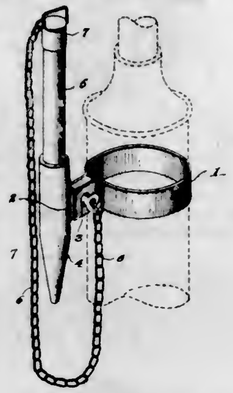
1. The combination, with a tank-outlet having a seat, of an inverted water-chamber above the seat with an air-passage at its top and water-inlet near the seat, a float-valve movable within the water-chamber, a rod attached to the top of the float-valve and extended loosely through the air-passage, and the float-valve having an air-valve fitted to close the air-passage, the confined water-column operating during the entire emptying of the tank to maintain and press the air-valve against the air-passage until the tank is emptied, such emptying admitting air to the water-inlet near the seat and causing the sudden automatic dropping of the float-valve to the seat, to permit the refilling of the tank.

1,462,107. FOX PEN. HARRY TINSON HOLMAN, Summerside, Prince Edward Island, Canada. Filed July 5, 1922. Serial No. 572,966. 3 Claims. (Cl. 119—20.)



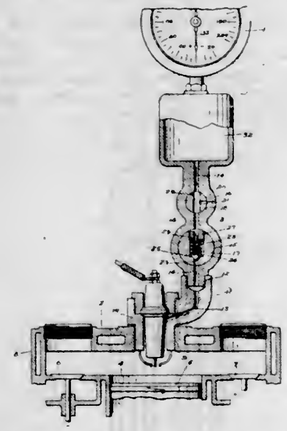
1. A fox pen comprising two separated portable cages connected by a portable runway, the whole constituting a plurality of demountably constructed sections covered inwardly as to the sides, top and bottom with wire netting, doors for separating the cages and sliding door means for separating the runway sections.

1,462,108. TELEPHONE PENCIL HOLDER. HAROLD S. HOLYWELL, Brooklyn, N. Y. Filed Nov. 14, 1922. Serial No. 600,973. 1 Claim. (Cl. 120—108.)



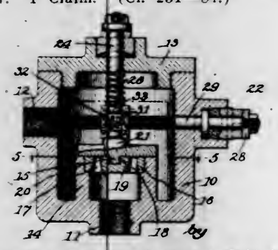
A pencil holder of the kind stated, comprising a circular band to place around the telephone instrument or fixture, opened at the end, screwed together to hold the circular band around the telephone instrument, at the end of which hangs a cone-shaped pocket, into which is placed the point of the pencil when not in use, and which pencil is attached to the end of the circular band by a chain.

1,462,109. PRESSURE INDICATOR. MICHAEL SULLIVANT HOPKINS, Columbus, Ohio. Filed Apr. 11, 1922. Serial No. 551,601. 8 Claims. (Cl. 73—31.)



1. In an apparatus of the class described, the combination with a pressure gauge, of means to connect said gauge with the combustion chamber of an internal combustion engine, means to limit the influence upon said gauge of the gases within the combustion chamber to optionally selected periods of the cycle of operation of the engine, and means to select the period of said cycle which shall influence said gauge.

1,462,110. VALVE. JACOB T. HOSTETTER and FREDERICK J. KEISER, Sharon, Pa. Filed Aug. 18, 1922. Serial No. 582,827. 1 Claim. (Cl. 251—84.)



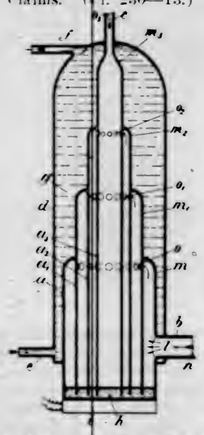
A valve including a casing having a fluid inlet and outlet, an apertured valve seat within the casing, a valve movable on said seat to cover and uncover the aperture therein, and means to move said valve, said means including a shaft rotatable at right angles to the axis of the valve, and a swinging member movable by said shaft carrying a threaded trunnion.

1,462,111. MAGNETIC SEPARATOR. AUGUST F. JOBKE, Pittsburgh, Pa. Division after grant of application Serial No. 230,604, filed Apr. 24, 1918. This application filed May 29, 1922. Serial No. 564,576. 8 Claims. (Cl. 83—71.)



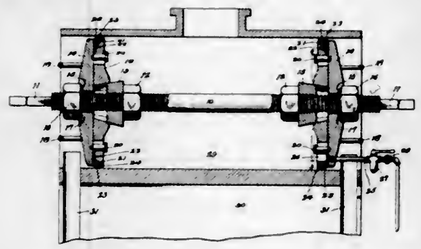
1. In a magnetic separator a separating member movable between upper and lower magnet poles, having its largest dimension and a lower collecting edge at an angle to the direction of the flow of ore and to a radius from the axis of its movement, and its smallest dimension in a direction at right angle thereto and to the flux and in the direction of its movement.

1,462,112. MERCURY-VAPOR PUMP FOR HIGH VACUUMS. JULIUS JONAS, Meierhof, Baden, and OSKAR SEITZ, Oberer Kappelerhof, Baden, Switzerland, assignors to Aktiengesellschaft Brown Boveri & Cie., Baden, Switzerland. Filed June 6, 1921. Serial No. 475,486. 11 Claims. (Cl. 230—13.)



1. A mercury vapor pump for obtaining high vacuums, including a closed vessel containing mercury, a pipe for connection to a preliminary vacuum pump, and a pipe for connection with the receiver, i. e., the chamber to be exhausted, a chamber in which the mercury is heated by a heating device, a cooling device for condensing the mercury vapor, characterized by the feature that above the heating chamber there is provided as a guide for the ascending vaporized mercury and also for the falling drops of condensed mercury, an internally unobstructed tube at the upper end of which is located the connection to the preliminary vacuum pump, whilst the connection to the receiver is made at the lower end of said tube; the cooling device being located between these two points of connection.

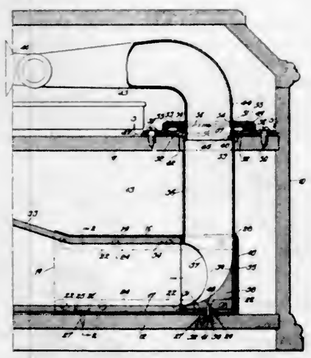
1,462,113. TEMPORARY END CLOSURE FOR LOCOMOTIVE VALVE CHAMBERS. OSCAR KUHNER, Columbus, Ohio. Filed Oct. 14, 1920. Serial No. 416,793. 9 Claims. (Cl. 137—76.)



1. A device of the character described including a body bar, a head upon the bar, radially movable segmental clamps carried by said head, a ring surrounding the clamps of each head, a gasket surrounding said clamps and overlying the ring, and means for shifting the clamps radially.

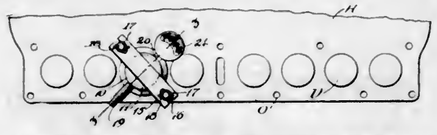
8. The combination with a locomotive valve chamber, of means for temporarily closing the chamber at its ends, and means associated with the first means for draining the chamber.

1,462,114. TALKING MACHINE. BERT EDWARD LANE, Camden, N. J. Filed June 12, 1919. Serial No. 303,649. 3 Claims. (Cl. 274—2.)



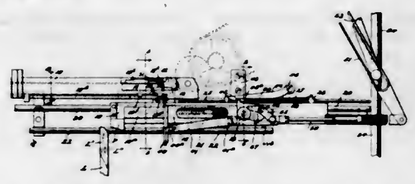
1. A talking machine including a unitary amplifying horn housing having two holes in alignment with each other and positioned one above the other; a sound conducting tube entering said housing through the upper one of said holes; and means providing a pivotal thrust bearing for said tube and positioned within the other of said holes; substantially as described.

1,462,115. VALVE-TESTING DEVICE. WILBERT E. LAUSTER, Yatesboro, Pa. Filed Aug. 19, 1921. Serial No. 493,691. 3 Claims. (Cl. 73—51.)



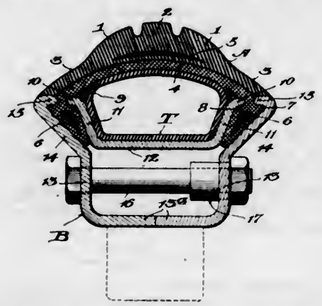
1. A valve testing device for automobile engines comprising a cylinder having one end closed and the other end opened, said open end being provided with packing on its face, an automobile tire valve connected under and opening into said cylinder, an air gauge carried by the cylinder, and a bar extending diametrically through the axis of the cylinder and slidable in the direction of its length, said bar being provided with openings at its end for the reception of holding down bolts.

1,462,116. ASSEMBLING AND TRANSFER MECHANISM. FREDERICK W. LETSCH, Baltimore, Md. Filed Nov. 12, 1920. Serial No. 423,698. 24 Claims. (Cl. 199—29.)



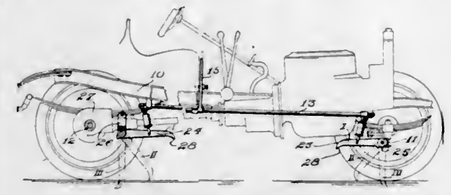
1. In a mechanism of the kind described, means for receiving and supporting matrices to form a line, a transfer slide, a finger pivotally mounted on said slide and arranged to press constantly against the front matrix of a line while the line is being assembled and transferred, resilient means for yieldingly pressing said finger against the matrices, a second finger connected to and movable bodily with said slide and adapted to be positioned to support the rear end of an assembled line, and means to bodily move said slide and fingers to transfer the assembled line.

1,462,117. TIRE AND RIM CONSTRUCTION. CHARLES N. MCCLINTOCK, Elwood, Ind. Filed Mar. 3, 1922. Serial No. 540,777. 3 Claims. (Cl. 152—20.)



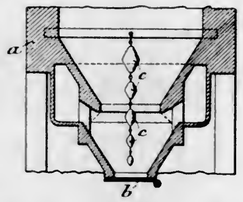
1. A combined tire and rim construction for vehicle wheels including a casing having clincher beads formed at opposite edges thereof and providing inner and outer shoulders, and also having wings formed at the edges of the tread for overlying the outer shoulders of the beads, an inner floating ring engaging with the inner shoulders of the beads, and a rim consisting of separable sections and each having inturned clincher flanges for engaging the outer shoulders of the beads and lying beneath the said wings.

1,462,118. THEFT-PREVENTING DEVICE FOR AUTOMOBILES. JOHN MCMULLEN, Butte, Mont. Filed Aug. 20, 1921. Serial No. 493,976. 6 Claims. (Cl. 188—6.)



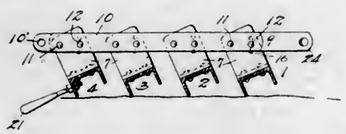
1. A brake for automobiles, comprising a swinging arm having a journal mounted parallel with, and eccentrically to, the wheel axle and below said axle, a lever journaled on the frame of the automobile to swing transversely to the length direction of the automobile, said lever having an inoperative and an operative position, a connection between said lever and said arm for giving said arm a limited angular movement, the end of said arm extending beyond the periphery of the wheel.

1,462,119. ARRANGEMENT IN COKE CONTAINERS OR THE LIKE. ARNOLD MOETTELI, Oberwinterthur, Switzerland. Filed Jan. 19, 1922. Serial No. 530,485. 3 Claims. (Cl. 259—38.)



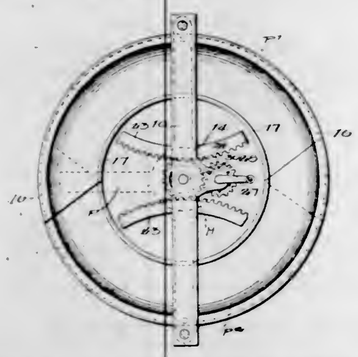
1. In a coke cooling apparatus means for preventing bridging of the contents and clogging the container outlet, comprising at least two pendulum bodies arranged at different points in the apparatus and connections between said pendulum bodies for mutually imparting to each of said bodies movements produced by the action of the coke on another of said bodies.

1,462,120. LAND LEVELER. WILLIAM H. MONROE, San Jose, Calif. Filed Aug. 1, 1922. Serial No. 578,945. 3 Claims. (Cl. 55—22.)



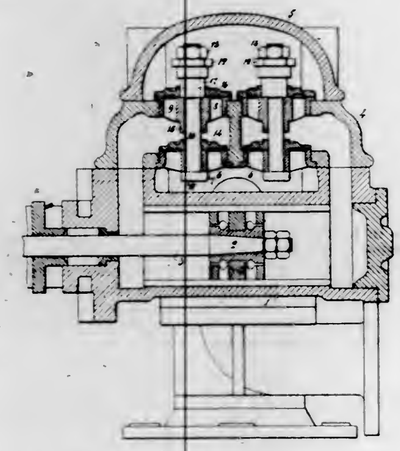
2. The combination with a series of transversely arranged channel-beam scrapers including a scraper having rearwardly extending teeth, of a plurality of brackets on each scraper arranged in rows, longitudinally disposed draft bars and an intermediate bar above said scrapers, a bolt connecting each bracket with a bar and adapted to form a pivot and a second bolt for each bracket adapted to form a clamp bolt.

1,462,121. SEPARATOR. MERLE M. NEWTON, Colorado Springs, Colo. Filed Apr. 18, 1922. Serial No. 554,433. 14 Claims. (Cl. 233—27.)



1. In a separator of the character described, a helical shaped pan, means for supporting said pan for rotation upon its normal axis as a center, and means for adjusting the pan with relation to the axis of rotation.

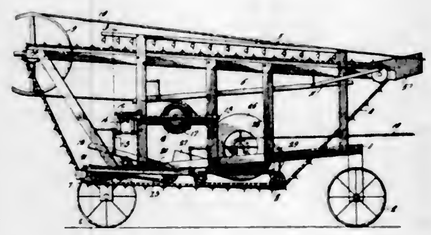
1,462,122. VALVE DEVICE FOR DUPLEX PUMPS. HANS PETER PETERSEN, Copenhagen, Denmark, assignor to Glent & Hassenkamm Ltd., Copenhagen, Denmark, a Corporation of Denmark. Filed July 6, 1921. Serial No. 482,844. 6 Claims. (Cl. 277—60.)



1. In combination, a valve box, superposed valve seats arranged in said box, opposed stop members carried by said seats and engaging portions of the box, adjustable securing means passing through the valve box and arranged to draw the stop members against the box whereby to clamp the seats in position, said seats being respectively removable from the top and bottom of the box, and valves associated with said seats.

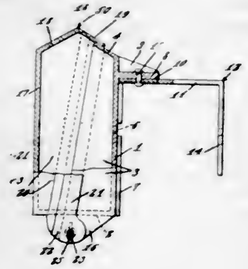
1,462,123. PEANUT PICKER. THEOPHILUS I. PHELPS, Woodville, N. C. Filed Apr. 27, 1920. Serial No. 377,080. 3 Claims. (Cl. 130—30.)

2. A peanut cleaning machine comprising a conveyor having upper, lower, front and rear runs, shafts and sprockets for the corners of the conveyor, means cooperating with the upper run of the conveyor to provide a picking mechanism, a vibrating table disposed below the picking mechanism, a reciprocating stemming mechanism ar-



ranged beneath the vibrating table, and a pitman connected to each vibrating and reciprocating mechanism, said pitman being connected to diagonally disposed sprockets of said conveyor.

1,462,124. CUT-OUT BOX. ALFRED LAWRENCE PIERCE, Wallingford, Conn. Filed Apr. 16, 1920. Serial No. 374,409. 1 Claim. (Cl. 247—7.)

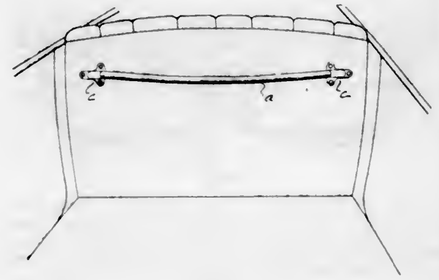


In a cut out box, a back comprising a rear wall, a bottom, sides and a downwardly and rearwardly inclined top; and a front comprising a forward wall, a bottom, sides and a top including a downwardly and rearwardly inclined portion, and pivot means connecting the lower portion of the back with the lower portion of the front, the sides of the front being overlapped on the sides of the back, and said portion of the top of the front being overlapped on the outer surface of the top of the back, the downward and rearward inclination of the top of the back, and the downward and rearward inclination of said portion of the top of the front serving to prevent the front from swinging downwardly to an open position on the pivot means, the pivot means embodying a lost motion connection, whereby the front may be raised, thereby to permit said portion of the top of the front to be disengaged from the top of the back, and to permit the front to be swung to an open position.

1,462,125. CORD ANCHOR. PAUL RISSMANN, Detroit, Mich., assignor to Fisher Body Corporation, Detroit, Mich., a Corporation of New York. Filed May 18, 1921. Serial No. 470,647. 5 Claims. (Cl. 24—265.)

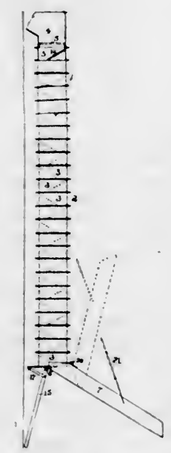
1. In a support for trimmed cords, the combination of a fixture for securing to a support and comprising a plate having a boss raised at its center and provided with an opening at one end of the boss into the hollow interior, a

trimmed cord passing through said opening, and a two-part clamp secured and clinched on the end of the cord



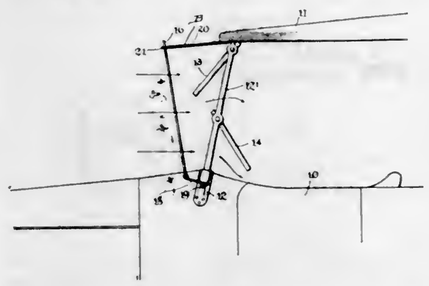
and shaped to prevent being drawn through said opening, said clamp contained within the interior of said boss fo anchoring the cord and clamp within the fixture.

1,462,126. DISCHARGING CONVEYER. JOHN ROSS, Philadelphia, Pa. Filed May 5, 1921. Serial No. 467,064. 5 Claims. (Cl. 193—27.)



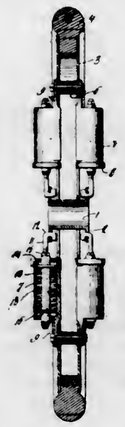
1. In an apparatus of the character stated, an upright rigid self-supporting tubular conduit of a height approximating several stories of a building and having its interior provided with a large number of oblique oppositely projecting floors arranged at intervals from top to bottom and providing a zigzag passageway in which the bottom of any oblique floor is above the top of the next lower oblique floor, the upper end of the tubular conduit immediately above the uppermost oblique floor provided with a normally open hopper-like structure for at all times receiving the material to be handled, and the bottom of the upright tubular conduit provided with a discharging orifice having controlling means for regulating the discharge, the said conduit divided into separable sections detachably connected one above the other and each section having one of the oblique floors extending part way across the passageway therethrough and providing a throat at the bottom.

1,462,127. SHIELD. ALBERT C. SANDERS, Helena, Ark. Filed Aug. 30, 1921. Serial No. 496,810. 5 Claims. (Cl. 296—95.)



2. In combination, a motor vehicle having a top, a reticulated sheeting supported forward to the driver's seat of the motor vehicle, and a sun reflecting sheeting extending between the upper end of the reticulated sheeting and the top of the motor vehicle.

1,462,128. VEHICLE WHEEL. JOHN L. STOLTZ, Sumner, Ill. Filed Jan. 12, 1922, Serial No. 528,705. Renewed Jan. 30, 1923. 4 Claims. (Cl. 132—47.)

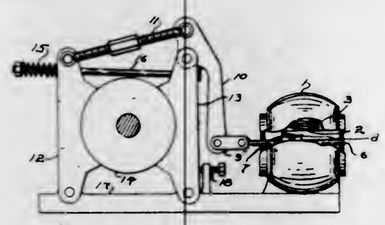


3. A wheel comprising in combination, a hub, a felly, spokes connecting the hub to the felly, each spoke comprising a cylinder having its outer end closed and provided with an aperture, a removable apertured cap on its inner end, a rod extending through the cylinder and through the apertures in its closure and in the cap, said rod being provided with a threaded shank, a sleeve longitudinally adjustable on the rod, washers slidable on the sleeve within the cylinder, and springs mounted between said washers.

1,462,129. ELECTROMAGNET. ERNEST B. THURSTON, Toledo, Ohio, assignor to The Haughton Elevator & Machine Co., Toledo, Ohio, a Corporation of Ohio. Filed Sept. 30, 1921. Serial No. 504,457. 15 Claims. (Cl. 175—338.)

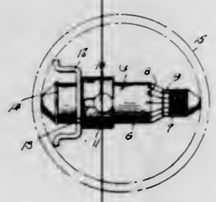
3. The combination with a hollow core of converging windings disposed on said core, a polyphase electric current supply for the windings for the production of

a rotating magnetic field, and a cylindrical plunger magnetized to effect relative pulling into position within said hollow core.



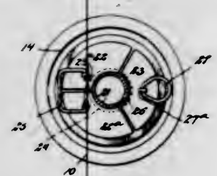
9. The method of controlling a plunger as to its core of an alternating current solenoid having a tapered portion and a straight portion, which comprises establishing a rotating magnetic field by supplying a polyphase current thereto, having the tapered portion within the influence of said field and the straight portion beyond the influence of said field when the plunger is in its inoperative position, and directing shifting to bring the plunger into a magnetically balanced position of rest in said field.

1,462,130. MICROMETER CALIPER. LAWRENCE O. BEARD, Lancaster, Pa. Filed Sept. 6, 1922. Serial No. 586,515. 3 Claims. (Cl. 33—178.)



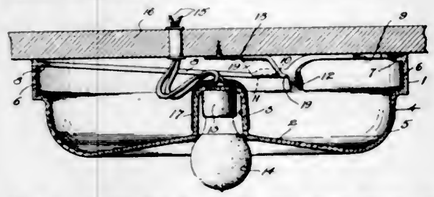
1. A micrometer-caliper comprising a plate having parallel side portions, a tubular guide member on said plate, a sleeve slidably mounted in said guide member and extending through said plate, and a measuring spindle threaded in said sleeve whereby relative rotation between the spindle and the sleeve will adjust the spindle longitudinally of the sleeve, said sleeve and said spindle having cooperating graduations thereon.

1,462,131. CASING HEAD. CLEM S. CLARKE, Shreveport, La. Filed May 26, 1921. Serial No. 472,763. 3 Claims. (Cl. 24—263.)



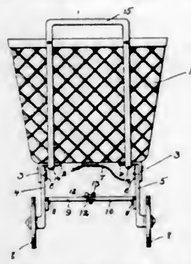
3. The combination with a well casing head having a tapered bore, of a plurality of tapered well tube gripping segments received in the bore, a member pivotally connected with the upper faces of a plurality of segments, and a loop pivotally connected with the upper face of another segment.

1,462,132. ELECTRIC-LIGHTING FIXTURE. HARRY W. CORDINGLY, Fredericksburg, Ohio, assignor to Daisy Cordingley, East Liverpool, Ohio. Filed Aug. 26, 1922. Serial No. 584,435. 3 Claims. (Cl. 240—78.)



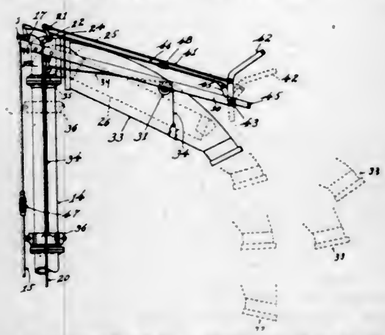
1. In a ceiling light fixture, a pan, guide flanges carried thereby, said flanges having seats associated therewith, spring arms carried by the ceiling for yieldably and detachably engaging said seats and means for limiting the rotary movement of the pan in one direction.

1,462,133. PORTABLE CLOTHES BASKET. THEODORE GLOCK, Webster, Wis. Filed June 24, 1921. Serial No. 480,151. 2 Claims. (Cl. 280—39.)



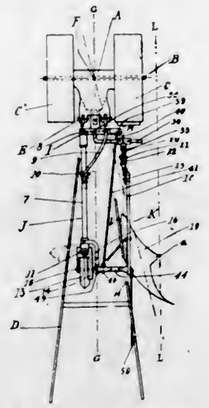
1. A clothes basket comprising a basket body, a base secured to the bottom thereof and having depending sides, wheels swingingly supported to swing to a folded position between the sides, a single strap for holding the wheels in such position, a two part foldable brace, said parts having an interfitting connection at their ends when extending and a bolt for locking the parts when extended.

1,462,134. LOCOMOTIVE WATER COLUMN. WALLACE M. GRAY, Cincinnati, Ohio. Filed Mar. 1, 1920. Serial No. 362,224. 4 Claims. (Cl. 137—21.)



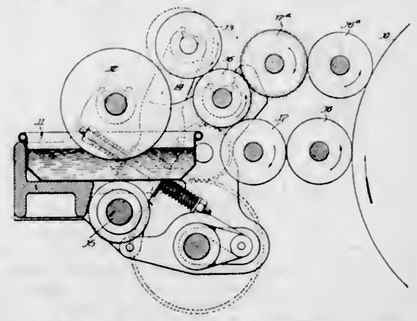
1. A locomotive water column comprising a column, a detachably mounted elbow section at the head of said column provided with projections for the attachment of spout supporting arms valve actuating rods and a column locking rod, a pair of spout supporting arms attached rigidly to said elbow and projecting laterally and downwardly therefrom, a sheet metal spout section projecting laterally and downwardly from said elbow section, intermediate of said supporting arms an adjustable sheet metal spout section telescopically adjustable upon and exteriorly of said stationary spout section and counterbalanced relative to said column, and valve actuating means and column locking means mounted upon said supporting arms.

1,462,135. ANTISIDE-DRAFT PLOW. PAUL HANSMANN and HERMAN STRACK, Long Prairie, Minn. Filed Feb. 14, 1921. Serial No. 444,949. 6 Claims. (Cl. 97—199.)



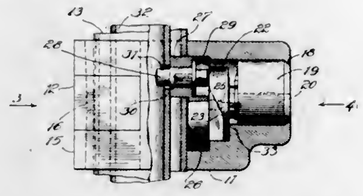
1. A plow hitch for use in connection with tractors comprising, a draw head adapted to be attached to the rear of the tractor, a plow having a jointed beam bendable upwardly, said plow positioned at one side of the center of draft of the tractor a distance at the rear of said draw head, a part of the plow above the rear portion of the plow share extending outwardly toward the center of draft of the tractor, a draw rod pivotally connected to said draw head and to said outwardly extending part of the plow, said draw rod extending diagonally rearwardly toward the center of draft of the tractor, and a tie rod pivotally connected to said plow beam and draw head and extending across said draw rod.

1,462,136. WATER DISTRIBUTOR FOR LITHOGRAPHING PRESSES. CARL HENDERSON, Oak Hill, Ill., assignor to The Miehle Printing Press and Manufacturing Company, Chicago, Ill., a Corporation of Illinois. Filed July 27, 1917. Serial No. 183,132. 5 Claims. (Cl. 101—148.)



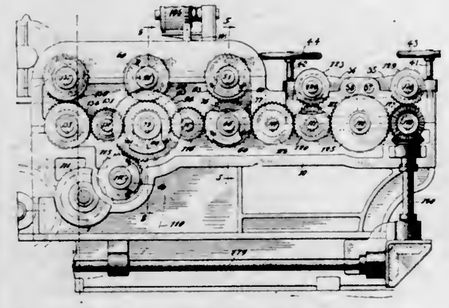
1. In a mechanism for applying moisture to a plate on a rotary lithographing press, the combination of a water fountain, two distributing rollers adapted to engage said plate, and means for conveying a greater quantity of water from said fountain to that distributing roller which first engages said plate as the same passes from the impression position to the inking position.

1,462,137. AUTOMOBILE LOCK. ALBERT C. HILL, Chicago, Ill. Filed Nov. 25, 1921. Serial No. 517,455. 4 Claims. (Cl. 70—90.)



1. In a device of the class described, a block having a face arranged to engage a steering post and said face having a counterbore therein, a lock, a cam and a cover plate located in said counterbore, said plate having a boss projecting into the post to which the device is connected, a locking bolt supported in said plate, and means by which a key inserted in said lock will operate said cam to move said bolt.

1,462,138. MACHINE FOR MAKING FIBER SHINGLES. SAMUEL M. LANGSTON, Wenonah, N. J. Filed Apr. 22, 1922. Serial No. 555,936. 65 Claims. (Cl. 164—68.)

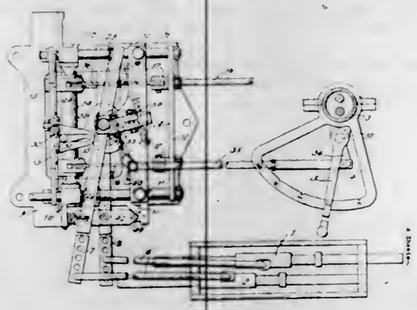


1. A machine for cutting multiple shingle strips from a prepared sheet of roofing material, each strip extending lengthwise of the sheet and having along one longitudinal edge thereof a plurality of narrow notches or recesses and interposed tabs simulating the ends of individual shingles, said machine including means for cutting a plurality of rows of transversely extending slots in the sheet, said rows extending longitudinally of the sheet and said slots being spaced at distances equal to the distances between the recesses or notches in the finished strip, cut off mechanism arranged beyond said means for severing said sheet transversely into sections, each of a length corresponding to the length of a finished strip, and means arranged beyond said cut off mechanism for separately slitting said sections in succession lengthwise along a plurality of lines.

1,462,139. GEAR-SHIFTING DEVICE. LAURITS A. LAURSEN, Eau Claire, Wis., assignor to James T. Joyce, trustee for United States Auto Gear Shift Company. Filed Mar. 9, 1921. Serial No. 450,858. 13 Claims. (Cl. 74—58.)

1. In a gear shifting unit of the type described, for application to different types of change speed gear mechanisms, the combination with gear actuating parts,

of locking means for holding either of said parts locked while the other is operative, and instrumentalities whereby the said locking means may be rendered operative or inoperative at will without dismounting it from the device.

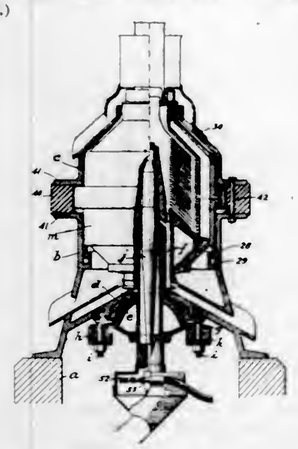


1,462,140. SYSTEM OF BOOKKEEPING. HAROLD J. LA WALL and CHARLES E. WETZEL, Philadelphia, Pa. Filed Jan. 6, 1922. Serial No. 527,311. 2 Claims. (Cl. 283—66.)



1. In a system of bookkeeping, the combination of a daily cash balance sheet suitably ruled and appropriately designated to provide departmental columns with spaces for entry of designated cash and charge transactions occurring in each department; an invoice record sheet suitably ruled and with appropriate headings for the entry of invoice data thereon; a daily record sheet comprising a plurality of numbered, suitably ruled columns and headings therefor designating the particular account in which the expenditures for the day are to be entered, said daily record sheet also comprising a section suitably ruled, lettered and numbered for transfer thereto of the departmental transactions in summarized form from the daily cash balance record, suitable spaces with appropriate titles also being provided for balancing the cash and bank account at the end of each day; a monthly record sheet suitably ruled and designated for transfer thereto of items from the daily record sheet, a column containing the dates of the month being provided at one end of the sheet so that the entries for each day may be properly entered opposite its date, said monthly record sheet constituting a statement of all transactions for each day for a full month of the business; and a yearly summary sheet having an upper portion divided by suitable ruling into columns corresponding by number and heading to the columns of the monthly record sheet, the names of the months appearing in a column at the end of the sheet, opposite to which in the space provided therefor may be entered the item in the proper column as transferred from the monthly record, said yearly summary sheet also comprising sections suitably ruled and entitled "Monthly summary of accounts receivable," "Monthly comparison," "Summary of cash for the year," "Profit for year," and "Statement of assets and liabilities for year," suitable and self-explanatory directions and titles being provided in the sections to enable the proper entries to be made therein as ascertained from said upper portion of the yearly summary, the monthly record and the invoice record.

1,462,141. BRAKING DEVICE FOR CENTRIFUGAL MACHINES. MEREDITH LEITCH, deceased, late of Poughkeepsie, N. Y.; by Lucy B. Leitch, administratrix, Gordonsville, Va., assignor to The De Laval Separator Company, New York, N. Y., a Corporation of New Jersey. Original application filed Apr. 22, 1920, Serial No. 375,735. Divided and this application filed July 8, 1921. Serial No. 483,192. 4 Claims. (Cl. 188—90.)



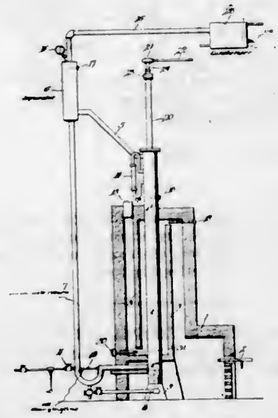
1. A centrifugal machine comprising a revoluble bowl having a spindle and a bowl casing closely surrounding the bowl, there being a liquid inlet to the space between the bowl and casing, there being an annular outlet surrounding the spindle, and means to retard escape of said liquid from said space, thereby stopping the bowl by liquid friction between the opposing walls of the bowl and casing.

1,462,142. ALARM CLOCK. PAUL LUX, Waterbury, Conn., assignor to Lux Clock Manufacturing Company, Waterbury, Conn., a Corporation of Connecticut. Filed Oct. 14, 1922. Serial No. 594,462. 9 Claims. (Cl. 58—16.)



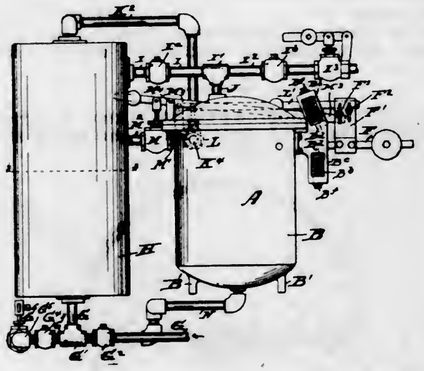
1. In an alarm clock, a casing, time-keeping and alarm-producing mechanism mounted in said casing, means for releasably locking said alarm-producing mechanism, and an indicating pointer in front of the dial of said clock to show whether said alarm-producing mechanism is locked or unlocked.

1,462,143. METHOD OF CRACKING HYDROCARBON OILS. FREDERICK T. MANLEY, Houston, Tex., assignor to The Texas Company, New York, N. Y., a Corporation of Texas. Filed Oct. 10, 1917. Serial No. 195,775. 8 Claims. (Cl. 196—25.)



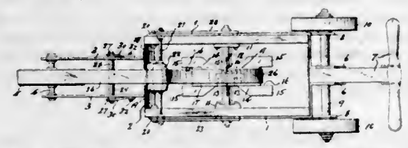
2. The continuous method of cracking hydrocarbon oils which comprises charging the oil into an elongated vertical still to maintain therein an extended column of liquid oil, maintaining said column of oil at a temperature and pressure sufficient for cracking, removing residue and vapors from the still to maintain a substantially constant liquid level therein, separating out the heavier constituents of said vapors and directly returning said constituents in cyclic passage through substantially the full length of the extended column of oil by positively forcing them into the bottom of the still.

1,462,144. STEAM TRAP. JOHN MOREHEAD, Detroit, Mich. Filed Dec. 30, 1920. Serial No. 433,989. 5 Claims. (Cl. 137—101.)



5. In a steam trap, a stationary chamber, a movable tank suspended within the stationary chamber, means for delivering water of condensation to the movable tank, means for delivering steam to the trap to force the water of condensation upwardly and out of the movable tank, a valve for controlling the delivery of steam to the trap and means for actuating said valve at predetermined intervals.

1,462,145. TENNIS-COURT MARKER. MICHAEL K. MURRAY, Bloomfield, N. J. Filed July 7, 1922. Serial No. 573,485. 7 Claims. (Cl. 91—54.)



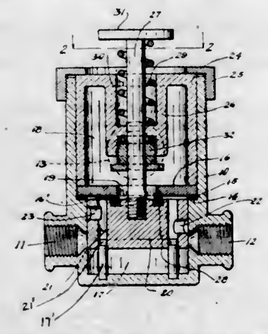
1. A tennis court marker, comprising a frame provided at its forward end with a central marker wheel and at its rearward end with a pair of laterally spaced traction wheels, a tank supported by said frame in the rear of said marker wheel, a rotatable dipping wheel within said tank, idler guide pulleys associated with the forward end of said tank, a marking belt arranged to run over said marker wheel, dipping wheel and idler guide pulleys, means for adjusting one of said idler guide pulleys to regulate the tension of said belt, a belt cleaning means supported from said frame intermediate said marker wheel and said tank to engage the return course of said belt, and means for retaining said cleaning means in either "in service" or "out of service" positions.

1,462,146. BLADE HOLDER. JOSEPH E. MYERS, Tacoma, Wash. Filed Aug. 6, 1921. Serial No. 490,207. 1 Claim. (Cl. 30—25.)



A blade holder consisting of resilient sheet metal bent back twice upon itself so as to form a double fold, one of said folds being in the form of a pocket to receive a blade, said holder having a part projecting in one direction from said folds to form a handle and another part projecting in the opposite direction from said folds and serving to hold a blade in said pocket.

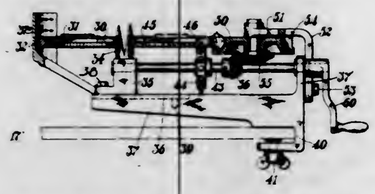
1,462,147. VALVE. LEO F. O'FLAHERTY and WILLIAM L. KIRKPATRICK, Elgin, Ill. Filed Mar. 31, 1922. Serial No. 548,338. 3 Claims. (Cl. 277—18.)



1. A mixing device including a casing having mixing and discharge chambers therein; a partition between

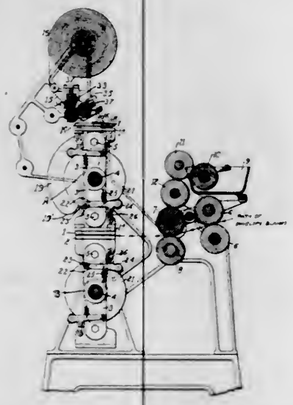
said chambers provided with a connecting aperture; an inverted cup-shaped member adapted to rest upon said partition, said cup-shaped member being provided with an inwardly turned hollow boss; means for retaining said cup-shaped member in said casing; a mixing valve in said mixing chamber; an operating stem extending through said boss and said aperture and being connected to said valve; and a spring disposed about said stem and seated in said boss.

1,462,148. VEGETABLE SLICER, CUTTER, AND NUT-CRACKER. PAUL PERHATS, Chicago, Ill. Filed Aug. 17, 1922. Serial No. 582,361. 3 Claims. (Cl. 146—11.)



1. A device of the class described comprising a heavy rimmed wheel, a bracket supporting said wheel, a rotary head supported by said bracket adjacent said wheel and having a number of pockets in its perimeter, a shaft adapted to rotate said wheel and head, slicer elements carried by said wheel, and means whereby said shaft may be caused to drive said wheel at relatively fast or slow speeds.

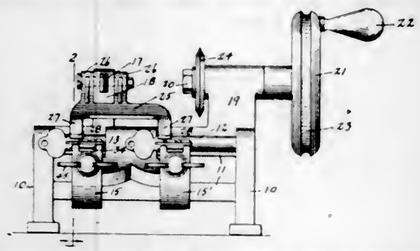
1,462,149. MACHINE FOR MAKING WINDOW ENVELOPES. CHARLES F. PFLANZE, St. Louis, Mo. Filed Apr. 4, 1919. Serial No. 287,426. 7 Claims. (Cl. 93—61.)



1. In a machine for making window envelopes, patch applying devices comprising a pressure member having a flat face adapted to press the patch into engagement with the envelope blank, and feed rollers whereby the patch is forced onto the flat face of said pressure member, said flat face being provided with a patch gripper and said feed rollers being located adjacent to said flat face so as to feed the patch to said patch gripper.

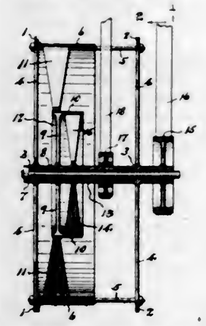
1,462,150. KEY-DUPLICATING MACHINE. SAMUEL SEGAL, New York, N. Y. Filed Mar. 17, 1920. Serial No. 366,502. 13 Claims. (Cl. 90—13.2.)

1. In a key-duplicating machine, a pair of clamps for holding a master key and key blank, a post extending upwardly from the machine and having a guiding finger mounted thereon and an attachment pivoted to said post and provided with outwardly extending arms adapted to



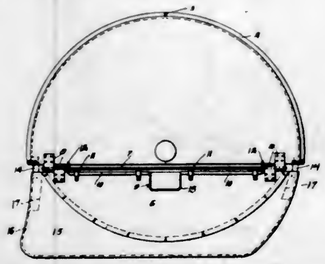
simultaneously engage the shoulders on the key and key blank adjacent their biting edges whereby said key and key blank may be given the same relative longitudinal position in their respective clamps.

1,462,151. MULTIPLE PROPELLER FAN. JAMES M. SEYMOUR, Newark, N. J. Filed May 18, 1922. Serial No. 561,816. 7 Claims. (Cl. 230—11.)



1. A multiple propeller fan, comprising a main fan element having an open center portion, an auxiliary fan element alined with the open center portion of said main fan element, said fan elements being arranged in concentric relation to rotate about a common axis, and means for independently rotating said respective fan elements.

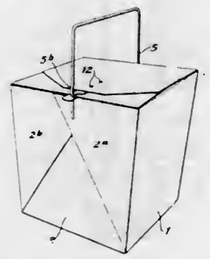
1,462,152. AUTOMOBILE FENDER. LEMON M. SMITH, Clairton, Pa. Filed May 1, 1922. Serial No. 557,497. 1 Claim. (Cl. 280—157.)



In an automobile wheel fender, a casing adapted to fit about the upper portion of an automobile wheel, means for supporting said casing for movement with the wheel, shield members hinged to the lower end of the casing at the sides thereof, means for holding the shield members

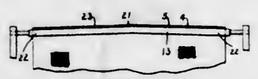
in parallelism with the sides of the casing, said means permitting outward movement of the shield members, flexible guard strips secured to the lower portions of the shield members, reinforcing wires secured to and extending about the lower and front and rear portions of the strips and acting to normally hold the same parallel with said shield members, and means for limiting inward movement of the shield members.

1,462,153. COVER-FASTENING DEVICE FOR PAPER PAILS. GEORGE W. SWIFT, Jr., Bordentown, N. J. Filed Sept. 8, 1921. Serial No. 499,266. 5 Claims. (Cl. 229—26.)



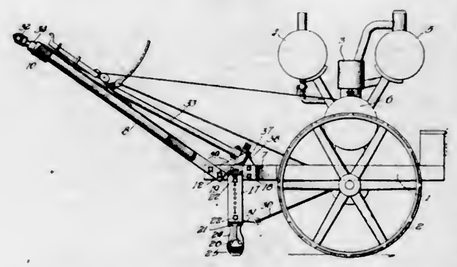
1. A pail or vessel having a bail or handle, a closing flap, and a flap securing device arranged to engage the bail or handle.

1,462,154. DOUBLING SPREADER. ANDREW THOMA, Cambridge, Mass., assignor to Abraham Sydeman, Boston, Mass. Filed July 15, 1918. Serial No. 244,848. 10 Claims. (Cl. 154—37.)



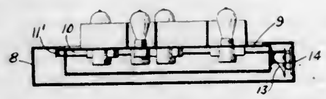
2. A doubling spreader, having, in combination, means for supporting a web, means for coating one face thereof, means for progressively superposing another web on the coated face of the first web, and means acting through one of the webs on a line inclined to the direction of feed to exert an evening and smoothing pressure upon said webs and the coating.

1,462,155. TRACTOR ATTACHMENT. ALBERT R. TILSTRA, South Holland, Ill. Filed Apr. 21, 1920. Serial No. 375,517. 2 Claims. (Cl. 97—48.)



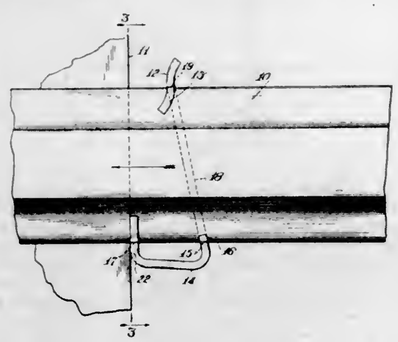
2. In a device of the kind described and in combination, a cultivator frame adapted to be connected to the rear of a driving means and having a pair of registering slots therethrough in a horizontal plane, a bar slidable through said slots in a straight line transversely of the direction of the travel of said driving means, cultivator mechanism suspended from said bar, means for adjusting said bar, and means for actuating said bar comprising a shaft arranged transversely thereof, a controlling handle at the end of the shaft, a gear at the forward end of the shaft, and a rack on said bar to mesh with said gear, said rack adapted to abut against the sides of the frame to limit its movement in both directions.

1,462,156. SIGN. ANDREW P. TRUCKSESS, Camden, N. J. Filed Apr. 3, 1922. Serial No. 548,888. 1 Claim. (Cl. 40—130.)



In combination, a sign comprising a frame with front and rear walls, an opening in the front wall, a lip on the inside of the front wall near the side edge of each opening and a lip near the lower edge of the opening, a box like letter form, a flange at the side and the bottom edges on the front wall of the said letter form engaging the aforesaid lips in the frame, conductor wires along the top wall on the inner side of the frame connected with downward extending resilient contacts, other contacts on the upper surface of the letter forms cooperating with the aforesaid resilient contacts, lamps arranged on the front face of the letter arranged to form the outline of a letter and electrically connected with the aforesaid contacts.

1,462,157. RAIL ANCHOR. HAROLD G. WARE, Park Ridge, Ill., assignor to The P & M Company, Chicago, Ill., a Corporation of Illinois. Original application filed May 8, 1919, Serial No. 295,555. Renewed Mar. 2, 1921, Serial No. 449,077. Patent No. 1,415,743, dated May 9, 1922. Divided and this application filed Aug. 25, 1921. Serial No. 495,386. 13 Claims. (Cl. 238—330.)



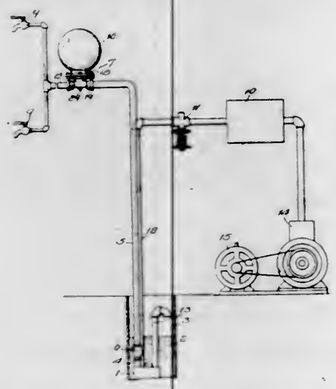
11. A one piece rail anchor consisting of a bar formed to extend diagonally across a rail base, provided at one end with a jaw for engaging one edge of said base and at the other end with a return bent portion, the major part of which is substantially straight, which terminates in means for engaging the other edge of said base and for bearing against a tie; said tie engaging portion being formed to engage substantially the same point on the tie when the said bar assumes different positions on the rail base.

1,462,158. SILENCER FOR FIREARMS. FRANZ WILDNER, Buschullersdorf, near Reichenberg, in Bohemia, Czechoslovakia. Filed Mar. 25, 1922. Serial No. 546,865. 1 Claim. (Cl. 89—42.)



A silencer for fire-arms, comprising, in combination, a perforated external tube having closed ends and adapted to be fixed with its rear end on the barrel muzzle of the fire-arm, a shorter internal perforated tube having a closed front end and concentrically arranged in said external tube, the closed front ends of said tubes having holes therein for the passage of the projectile, a coil spring intervening between the front ends of said tubes, transverse double discs of different materials at the inner front ends of said tubes to be passed by the projectile and adapted to close again the holes caused by the passage of the latter, means to prevent said internal tube from twisting within said external tube, and an aim finder within said tubes consisting of a conical tube having its inner walls coated with a luminous matter.

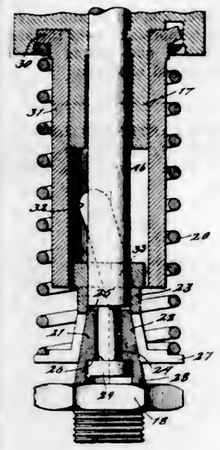
1,462,159. PUMPING SYSTEM. BURTON S. AIKMAN, Milwaukee, Wis., assignor to National Brake & Electric Company, Milwaukee, Wis., a Corporation of Wisconsin. Filed Mar. 30, 1921. Serial No. 456,842. 5 Claims. (Cl. 103—6.)



1. In a steady flow chamber, a base having an inlet and an outlet substantially on the same level, a chamber mounted on and secured to the base, a horizontally extending partition between said inlet and outlet, said partition having a relatively large valve port therethrough, a check valve of relatively small lift controlling said port and seating thereupon by gravity, an air inlet valve comprising a valve body mounted in the lower wall of the base below the partition, a valve port through said body having an internal seat, and a valve held on said latter seat by gravity.

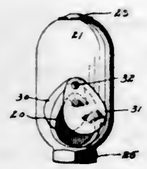
1,462,160. ROTARY VALVE. MARCUS O. ANTHONY, Cleveland, Ohio, assignor to Continental Engineering Corporation, Omaha, Nebr., a Corporation of Nebraska. Filed Oct. 9, 1922. Serial No. 593,244. 7 Claims. (Cl. 123—90.)

3. A valve in combination with a valve rotator, said valve having a stem with opposing shoulders on its end, a collar mounted on said stem between said shoulders, and having a portion projecting below said stem end,



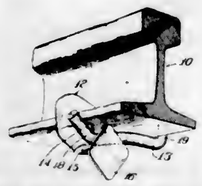
means for reciprocating said collar longitudinally of said stem, and means for rotating said collar as it is moved longitudinally.

1,462,161. WHISTLE. HARRY G. BALTHASAR, St. Louis, Mo., assignor to B. and B. Manufacturing Company, St. Louis, Mo., a Corporation of Missouri. Filed Mar. 8, 1920. Serial No. 363,020. 4 Claims. (Cl. 116—137.)



4. In a whistle of the compression type, the combination with a casting having attachment to an engine cylinder and provided with a whistle throat, of a pair of pivotally mounted co-operatively arranged plates having adjustment over the throat opening and being capable of relatively open-and-shut movement permitting innumerable permutation of arrangement for small or large openings.

1,462,162. RAIL ANCHOR. LAURENCE J. BERKELEY, Milwaukee, Wis., assignor to The P & M Company, Chicago, Ill., a Corporation of Illinois. Filed Jan. 19, 1921. Serial No. 438,462. 27 Claims. (Cl. 238—329.)



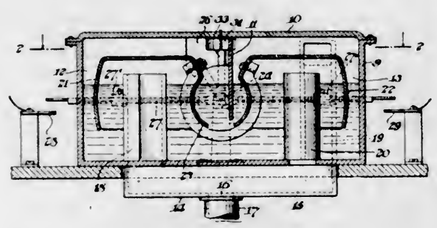
1. A rail anchor comprising a jaw member and a spring interposed between said jaw member and the rail, and adapted to be strained in its application to the rail to exert spring pressure against the edge of the rail adjacent said jaw member.

1,462,163. FOOD PRODUCT AND METHOD OF MAKING SAME. THEODOR BRAFF, Vienna, Austria, assignor of one-half to Joseph Braff, Cleveland, Ohio. Filed Aug. 12, 1922. Serial No. 581,496. 3 Claims. (Cl. 99—13.)

1. An artificial goose-grease comprising a major proportion by weight of vegetable fat, a minor proportion by weight of olive oil, and a much smaller proportion by weight of the juice of onions.

3. The method of making an artificial goose-grease which comprises roasting raw onions in vegetable fat to a golden brown color, filtering the onions from said liquid, and while hot adding olive oil to the filtered liquid and stirring until the resulting product cools to a solid or semi-solid condition.

1,462,164. AUTOMATIC PRESSURE CONTROL. GEORGE A. BROOKE, Jr., Germantown, Pa. Filed Aug. 4, 1921. Serial No. 489,916. 16 Claims. (Cl. 236—15.)



1. The method of automatic pressure control, which consists in utilizing variations from normal of the pressure in a given region, acting directly, but in opposite directions, upon two connected pressure responsive devices to actuate a controller.

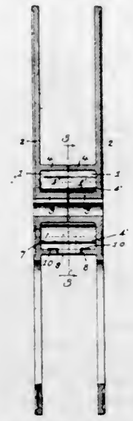
1,462,165. BOTTLE CAP. WILLIAM C. BUTTNER, Chicago, Ill. Filed June 21, 1922. Serial No. 569,956. 8 Claims. (Cl. 215—74.)



1. A bottle closure constructed to seat on the bottle at the mouth thereof, and provided with a port, and flexible means fixed in position and operable to permit the passage of gas into the bottle through said port and prevent its escape through the port from the bottle.

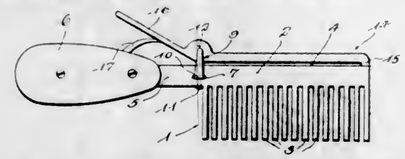
1,462,166. FILM REEL. LEO LAVERNE CHAPMAN, Fond du Lac, Wis. Filed Dec. 18, 1922. Serial No. 607,467. 6 Claims. (Cl. 242—74.)

2. A film reel comprising a pair of counterpart sections, each section comprising a side disk and a hub portion integrally connected together, the meeting ends of the respective hub portions having interengaging stud and socket formations arranged a distance inside their



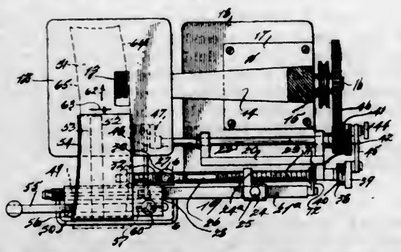
perimeters, and means for securing the reel sections fixedly together, the same comprising screw bolts passing transversely through said hub portions.

1,462,167. HAIRDRESSER'S COMB. LOUISE J. PERRY CROOMS, Orlando, Fla., assignor of one-half to William P. Bush, Jacksonville, Fla. Filed Nov. 4, 1921. Serial No. 512,935. 5 Claims. (Cl. 132—35.)



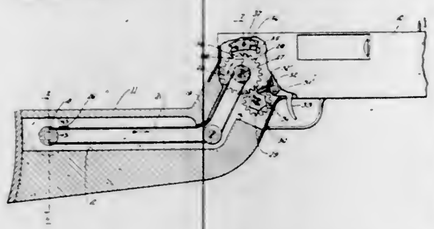
1. In a hair dresser's appliance, a comb having a handle, and a presser bar pivotally mounted upon the handle and spaced from the back of the comb to provide a space through which the hair is drawn.

1,462,168. STITCHING MECHANISM FOR HAT BRIMS. JACOB DENEMARK, Trenton, N. J. Filed June 23, 1921. Serial No. 479,740. 5 Claims. (Cl. 112—2.)



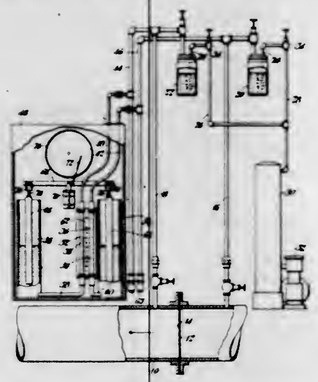
1. In combination with a sewing machine having a feeding mechanism, a carrier for hat brims, a lead screw to feed the carrier transversely of the direction of feed of the sewing machine feeding mechanism, means associated with the driving mechanism of the sewing machine to operate the lead screw, feeding means carried by the carrier to releasably engage the lead screw, and an adjustable trip to disengage the feeding means from the lead screw at a predetermined point in the transverse movement of the carrier.

1,462,169. RIFLE. E. F. LEWIS FRITZ, Chicago, Ill. Filed Sept. 30, 1922. Serial No. 591,626. 6 Claims. (Cl. 42—17.)



1. In a rifle, the combination with the stock thereof, a storage compartment in the stock adapted to hold a number of cartridges, a member adapted for movement within the compartment and actuated by the trigger mechanism of the rifle, for feeding the cartridges into a firing position, and means for locking the member against movement in one direction but permitting movement of the member in the opposite direction.

1,462,170. FLUID METER. BENJAMIN GREENFIELD, Bartlesville, Ohio, assignor, by mesne assignments, to Doherty Research Company, New York, N. Y., a Corporation of Delaware. Filed Mar. 27, 1919. Serial No. 285,597. 13 Claims. (Cl. 73—167.)



1. A fluid meter comprising in combination a conduit for fluid, means in said conduit for developing a difference in pressure in said fluid having a definite relation to the rate of flow of the fluid, means for forcing separate streams of fluid at a regulated rate into said conduit at pressures substantially equal to those on opposite sides of said differential pressure development means, and means for measuring the difference in pressures of said separate streams of fluid.

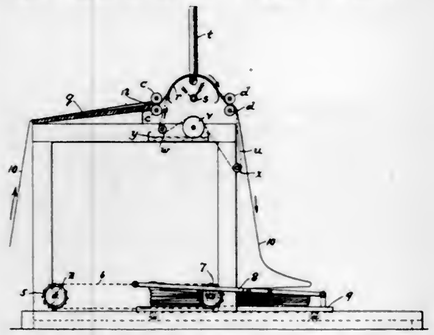
1,462,171. METAL TUBULAR SHADE ROLLER. WILHELM F. D. GRENINGER, Bridgeport, Conn. Filed Aug. 31, 1922. Serial No. 585,578. 2 Claims. (Cl. 156—29.)

2. A tubular metal shade roller having oppositely located depressions in its outer surface and in each end thereof, a semicircular metal clamp partially embracing the roller and having oppositely located eyes formed in each end and in the edges thereof adapted to be seated in the depressions of the roller, a metal binding strip for the inner end of the shade, said shade projecting therefrom and further anchored by one of the eyes of the clamp to the roller, a rod extending through the roller, brackets in which the projecting ends of the rod are journaled, pins located in the eyes of the clamp and projecting outwardly therefrom, end plates mounted on



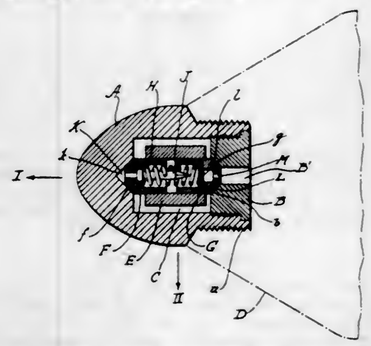
the rod having openings therein to receive said pins and lock the clamp to the roller, said plates having circumferentially arranged lugs on their inner faces adapted to engage the inner surface of the roller to centralize the rod with respect to the roller.

1,462,172. MEANS FOR FINISHING FABRICS. ALFRED A. GRUNDY, Philadelphia, Pa., assignor of one-third to himself, one-third to George Grushlaw, and one-third to John Sichel, all of Philadelphia, Pa. Filed Sept. 1, 1921. Serial No. 497,598. 1 Claim. (Cl. 26—2.)



Means for finishing fabrics comprising a pair of feed rolls, a pair of calendering rolls, a stationary arcuate ironing surface positioned between said pairs of rolls, means to heat said surface, an apron passing over said arcuate surface, a supply of liquid, and a roller adapted to pick up and transfer liquid from said supply to said apron.

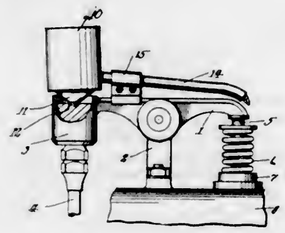
1,462,173. PERCUSSION FUSE. RUDOLF HAAS, Baden, Germany, assignor to Techno Service Corporation, New York, N. Y., a Corporation of New York. Filed July 30, 1921. Serial No. 488,607. 14 Claims. (Cl. 102—39.) (Granted under the provisions of the act of Mar. 3, 1921, 41 Stat. L., 1313.)



12. A percussion fuse comprising two plungers, curved surfaces on which said plungers can move, and a mass

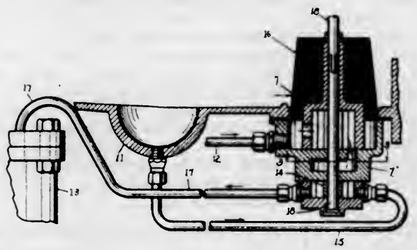
associated with said plungers in such a way that its radial movement will cause the plungers to move axially, while its axial movement will have no effect upon the plungers.

1,462,174. LUBRICATING DEVICE. LEE M. HALE, Chicago, Ill. Filed Oct. 31, 1921. Serial No. 511,566. 9 Claims. (Cl. 184—7.)



9. In combination with a valve having a rocker arm; a lubricating device mounted on said rocker arm and having a reservoir disposed at one end thereof there being an aperture in said reservoir; an annular interior rib surrounding said aperture; a spout mounted on and communicating with said reservoir and having its outer end disposed above the other end of said rocker arm; wicks disposed in said aperture and said spout for regulating the flow of lubricant therethrough; and absorbent material disposed in said reservoir to retain lubricant therein.

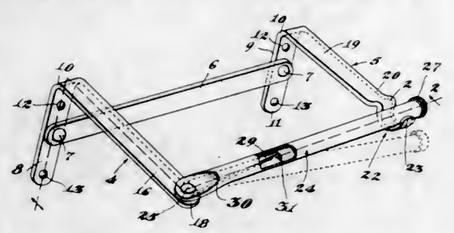
1,462,175. FILTERING MEANS FOR LUBRICATING SYSTEMS. EDMUND E. HANS, Kalamazoo, Mich. Filed Apr. 19, 1920. Serial No. 375,034. 9 Claims. (Cl. 184—6.)



5. In a lubricator system for internal combustion engines, the combination with the parts of the engine to be lubricated, of a crank case constituting an oil reservoir and receiving the lubricant escaping from such lubricated parts, said reservoir having a low portion to receive the impurities in the oil as they settle, a filter means to draw oil and the impurities therein from a low level of the reservoir and deliver the same to the filter, a conduit for conducting the purified oil from the filter to the reservoir, and means to draw oil from the filter and the reservoir and supply it to the parts of the engine to be lubricated.

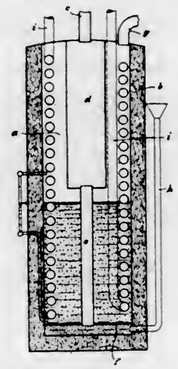
1,462,176. TOILET-PAPER HOLDER. AUGUST W. HARTMEYER, Los Angeles, Calif. Filed Apr. 8, 1922. Serial No. 550,939. 1 Claim. (Cl. 211—31.)

A toilet paper holder comprising a pair of brackets adapted to be attached to support, a bar rigidly connecting the brackets, a saddle at the forward end of one bracket, a hollow rod, a spring in the hollow of



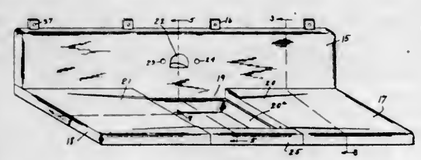
the rod and adapted to bear downwardly, and a pivot connecting the hollow rod and spring to the forward end of the other bracket.

1,462,177. METHOD OF COOLING AIR. ADOLF MESSER, Frankfort-on-the-Main, Germany. Filed Aug. 29, 1921. Serial No. 496,766. 1 Claim. (Cl. 62—177.) (Granted under the provisions of the act of Mar. 3, 1921, 41 Stat. L., 1313.)



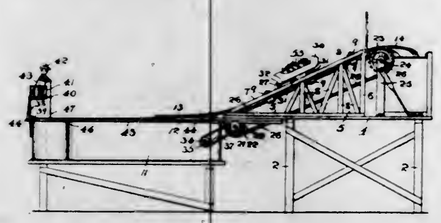
Method of precooling air to be liquefied and separated into its constituents which consists in compressing said air, passing said compressed air in heat exchanging relation with water and cooling said water by conducting anhydrous gases therethrough in a finely divided state.

1,462,178. DRAIN BOARD FOR SINKS. WILLIAM F. MUIR, Fresno, Calif. Filed Mar. 13, 1922. Serial No. 543,501. 7 Claims. (Cl. 4—36.)



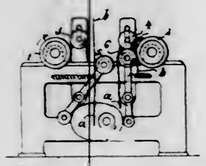
1. A drain board for sinks and the like comprising a back member adapted to be mounted parallel with a wall; ears projecting upwardly from the upper edge of said back member; a relatively narrow downwardly depending portion centrally of the lower edge of said back member; and an arcuate downwardly opening trough extending longitudinally of the lower edge of said back member.

1,462,179. GAME APPARATUS OR AMUSEMENT DEVICE. FRANK A. PFEIFER and CHARLES NAAB, Newark, N. J.; said Naab assignor to Thomas Mills, Maplewood, N. J. Filed Apr. 1, 1921. Serial No. 457,760. 20 Claims. (Cl. 46—56.)



1. In a game-apparatus or amusement device, in combination with a tank adapted to contain water, a track located outside of said tank, said track having an end-portion terminating above the level of the water in said tank, and the car adapted to be placed upon said track, and adapted to be plunged from the end-portion of the track into and beneath the surface of the water in said tank, said car being adapted to receive floatable toy-figures, and means connected with said tank for the withdrawal of a toy-figure from the water in said tank.

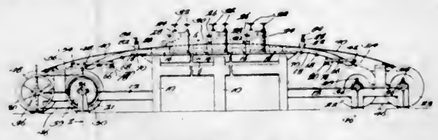
1,462,180. MACHINE FOR WORKING SKINS, HIDES, AND LEATHER. GEORG WALTER RICHTER, Crimmitschau, Germany. Filed Mar. 19, 1915. Serial No. 15,992. 1 Claim. (Cl. 149—16.) (Granted under the provisions of the act of Mar. 3, 1921, 41 Stat. L., 1313.)



An improved machine for working skins, hides and leather comprising in combination with two stationary tool cylinders arranged at a convenient distance apart, means for revolving said two tool cylinders in opposite directions, a stationary feeding roller for each tool cylinder, two transporting rollers designed to transport the hide from the one tool cylinder to the other and means for moving said transporting rollers so that at the first stage both approach the first tool cylinder, that at the second stage when the treatment of the hide by the first tool cylinder is nearly finished the outer transporting roller is moved with the hide toward the second tool cylinder and that at the third stage the inner transporting roller is moved away from the first tool cylinder to take the hide away from the same.

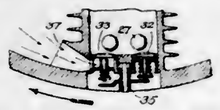
1,462,181. STEEL-WOOL-MAKING MACHINE. ARTHUR J. ROTH, Chicago, Ill., assignor to James H. Rhodes & Company, Chicago, Ill., a Corporation of Illinois. Filed June 2, 1922. Serial No. 565,297. 8 Claims. (Cl. 29—4.5.)

8. In mechanism of the class described, a support for the passage of parallel wires curved on its working surface in an arc corresponding to the natural curvature of wires passing from coils at one end of the support to coils at its opposite end, a pair of wire holding drums in tandem at each end of the support adapted to pass two parallel wires over said support, means mounting the drums so that each wire passes from the inside drum of one pair to the outside drum of the other pair, whereby the curves of two wires between these respective drums are the same, a cutting tool adjacent to the support engaging the wires traveling over the support, tensioning devices on the side



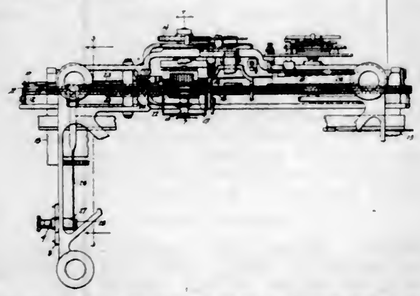
of the cutting tool from which the wires are delivered adapted to engage said plurality of wires placed side by side and passing in engagement with the tool to sufficiently tension said wires passing the tool so that the single tool may simultaneously cut from each wire a steel wool shaving, means for driving said drums and automatic means laterally shifting said drums to maintain the wires parallel on the support.

1,462,182. INTERNAL-COMBUSTION ENGINE. DANIEL MICHEL WEIGEL, Chicago, Ill. Filed June 23, 1920. Serial No. 391,034. 18 Claims. (Cl. 123—44.)



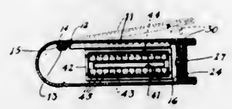
9. In a rotary internal combustion engine, in combination, a plurality of rotary power cylinders, pistons in said cylinders, said pistons having an exhaust stroke and a power stroke, said power stroke directly following the exhaust stroke; of means for pre-compressing the fuel mixture, and for admitting the same to the cylinders at a time after the completion of the exhaust stroke and before the commencement of the power stroke, of exhaust valve means in said cylinders operating to permit the burned gases to be swept out of the cylinders by the centrifugal force set up on the rotation of the cylinders, and means comprising a scoop operating upon rotation of the cylinders for directing scavenging air through the exhaust valve means into the cylinders which are exhausting burned gases, said air being thereafter swept out by the centrifugal force whereby the incoming fuel is substantially undiluted with mixed burned gasea in said cylinders.

1,462,183. VARIABLE CARRIAGE-FEED MECHANISM FOR TYPEWRITERS. ARTHUR S. WHEELER, New York, N. Y. Filed Sept. 9, 1922. Serial No. 587,101. 5 Claims. (Cl. 197—84.)



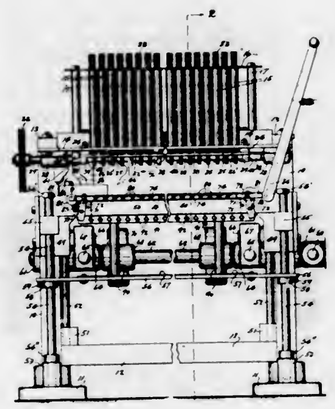
1. A variable spacing carriage feed mechanism having rack and gear connection between the escapement and the carriage, said rack and gear connection comprising a plurality of gears and racks, and yielding manually controlled means for bringing a selected pair of said gears and racks into mesh to establish the desired interval of spacing.

1,462,184. SAVINGS BANK. BERT C. WILLIAMS, Ocean Park, Calif. Filed Oct. 31, 1921. Serial No. 511,554. 12 Claims. (Cl. 232—4.)



1. A bank including a coin chamber, a coin slot, a housing having an open bottom surrounding said slot, and tumblers arranged within said housing on opposite sides of said slot, the pivotal movement of said tumblers in opposite directions with respect to each other being limited by the side walls of said housing.

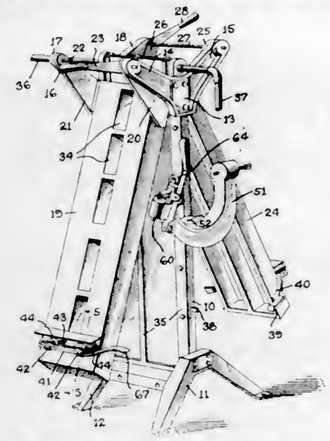
1,462,185. DROPPING MACHINE. ROBERT EZEKIEL WILSON and ROBERT EUGENE WILSON, Belleville, N. J., assignors to Seymour R. Gross, Newark, N. J. Filed Nov. 12, 1921. Serial No. 514,832. 19 Claims. (Cl. 226—2.)



1. In mechanism of the kind described, means for holding a supply of wires or the like, means for discharging wires from said holding means by gravity, wire releasing mechanism, a vertically movable carriage, a wire receiving means detachably mounted on said carriage, upward movement of said carriage device being adapted to carry said wire receiving means into operative relation to said wire releasing mechanism, means actuated by the upward movement of said carriage device for operating said wire releasing mechanism to drop wires into said wire receiving means, and a stop means for limiting the drop of released wires.

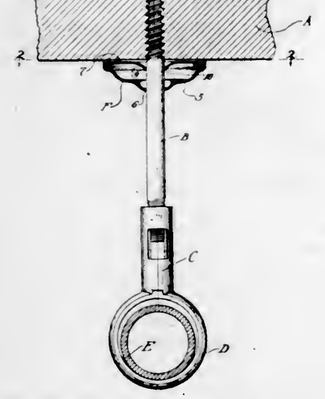
1,462,186. METAL-MOLDING APPARATUS. HENRY C. ZENKE, Richmond Hill, N. Y. Filed Nov. 14, 1921. Serial No. 514,919. 10 Claims. (Cl. 22—142.)

1. In apparatus of the character described, in combination, a mold including two cooperating and separable parts for receiving a molten metal, means pivotally connecting said parts, means tending to swing one of said



parts about said pivotal connecting means and away from the other part, and an automatically operative latch for locking said parts together.

1,462,187. ADJUSTABLE FLANGE. LOTHAR R. ZIFFERER, Lancaster, Pa. Filed May 11, 1922. Serial No. 560,023. 2 Claims. (Cl. 248—31.)

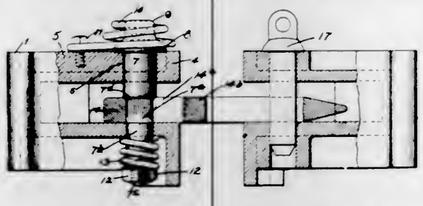


2. In combination with a rod, a flange surrounding the same and adjustable longitudinally thereof, the flange comprising two interlocked metallic parts, one rigid and the other flexible, the latter being provided with a plurality of spring elements adapted to frictionally engage with the rod, the rigid part also engaging with the rod and co-operating with the spring elements to maintain the flange in a transverse relation to the rod in all positions of adjustment thereupon, substantially as described.

1,462,188. MINE-CAR COUPLER. FRANK S. BARKS, St. Louis, Mo., assignor to Lincoln Steel and Forge Company, St. Louis, Mo., a Corporation of Missouri. Filed June 10, 1921. Serial No. 476,445. 4 Claims. (Cl. 213—205.)

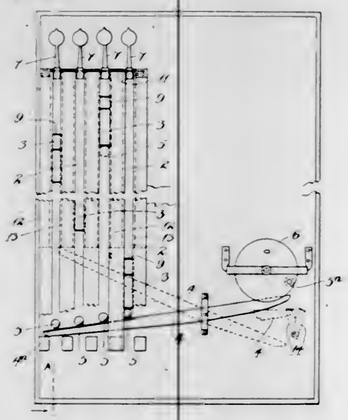
1. The combination with a coupler having spaced horizontal jaws, of a pin swiveled in said jaws, a link

mounted between the jaws and upon said pin, said link having sliding movement relative to said pin and having vertical movement with said pin relative to said jaws



but being designed to turn with the pin, and a spring engaging the upper end of the pin for maintaining the link in predetermined vertical and horizontal planes.

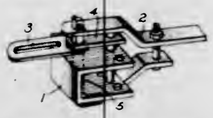
1,462,189. APPARATUS FOR PLAYING RACE GAMES. HENRY THOMAS BROOKER, Southend-on-Sea, England. Filed Dec. 21, 1922. Serial No. 608,301. 12 Claims. (Cl. 64—37.)



4. Game playing apparatus comprising a board, an abreast series of tracks thereon, the tracks sloping to one end, a corresponding series of units mounted capable of propulsion along the tracks, an actuating device in each track for imparting intermittent thrusts to the unit therein to advance it therealong, the actuating devices being returned by gravity along the sloping tracks after impact, and means for intermittently impelling the actuating devices so that a series of intermittent thrusts are given that are variable both in magnitude and period

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1,462,190. CAR COUPLER. HARRY M. BROWN, New Kensington, Pa. Filed Oct. 20, 1922. Serial No. 595,771. 3 Claims. (Cl. 213—75.)



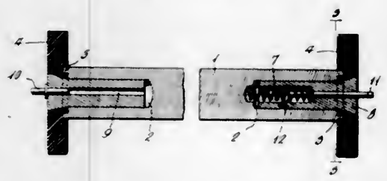
1. In a car coupling the combination of a coupling head, a pin pivoted in the head and having an elbowed end, a link secured by the pin and swinging integrally with the pin, and a guide plate stationary with respect to the car and adapted as the car travels to engage the elbowed end of the pin and swing the link.

1,462,191. CERIUM POCKET LIGHTER. FRITZ BECK, Nuremberg, Germany. Filed Feb. 10, 1921. Serial No. 444,065. 2 Claims. (Cl. 67—7.1.) (Granted under the provisions of the act of Mar. 3, 1921, 41 Stat. L., 1313.)



1. A pocket lighter of the type described in which the ignition means is arranged in the enclosing cap which fits over the burner piece or tinder holder comprising in combination an enclosing cap, a striker of the shape of a knife with broad edged blade, an ignition metal piece of rectangular shape having two side faces bevelled from below upward, a ring removably inserted in said cap having a rectangular opening and two side faces inclined so that they fit on the inclined side faces of said ignition metal piece designed to securely hold said ignition metal piece and to serve as guide for said striker.

1,462,192. TUFT-YARN SPOOL FOR LOOMS. HARRY D. CLINTON, Johnson City, N. Y. Filed Sept. 28, 1922. Serial No. 591,113. 6 Claims. (Cl. 242—118.)



1. A tuft yarn spool comprising a barrel of wood having oblong sockets formed in the ends thereof and projections or flanges extending around the outer ends of said sockets, and heads of hard vulcanized fibre having central openings therein of frust-conical form, and annular grooves in their confronting faces in which said flanges are seated, and means whereby said heads are rigidly and permanently secured to said barrel, so as to form a practically integral structure, without using bolts or screws; said means consisting of wooden plugs inserted through the openings in said heads and extending into said sockets and having their outer ends of frusto-conical form to closely fit said openings; said plugs being secured in said sockets by an adhesive substance applied before inserting them in the sockets.

1,462,193. CLIP. RAYMOND W. COOK, Bristol, Conn., assignor to The Wallace Barnes Company, Bristol, Conn., a Corporation. Filed Nov. 10, 1922. Serial No. 600,046. 5 Claims. (Cl. 40—2.)

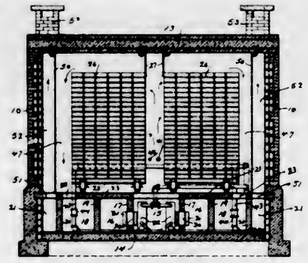
1. As a new article of manufacture, a clip made of resilient sheet-metal and comprising a face-plate and an

integral shank originating at the upper edge thereof, and extending downwardly behind the same, the said plate and shank being furnished with gripping-fingers set into



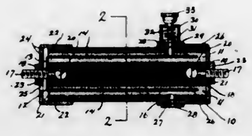
the space formed between the plate and shank arranged in line opposite each other and directly co-acting in discharging their gripping function.

1,462,194. DRYING KILN. CLIFFORD A. CUTLER, Buffalo, N. Y. Filed Dec. 27, 1920. Serial No. 433,307. 22 Claims. (Cl. 34—49.)



1. A drying kiln comprising non-porous kiln walls, and porous de-humidifiers, located in spaced relation with the kiln walls.

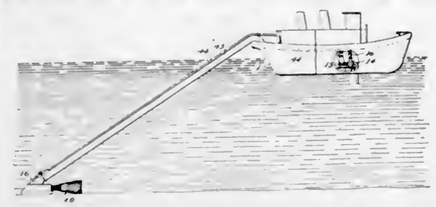
1,462,195. MULTIPLE FUSE. NICHOLAS J. DOYLE, Buffalo, N. Y. Filed Nov. 6, 1920. Serial No. 422,174. 4 Claims. (Cl. 200—125.)



1. A multiple fuse comprising an insulating core, having a plurality of longitudinal spaces formed therein, a multiple fuse element, having one of its members arranged in each of the spaces of the core, and radially-arranged spring-pressed index means rotatable about the core and engageable with any one of the members of the fuse element.

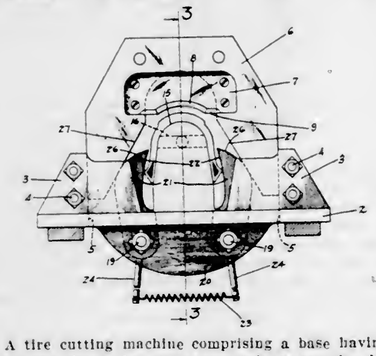
1,462,196. FISHING APPARATUS. CORNELIS P. DROS, Amsterdam, Netherlands. Original application filed Mar. 29, 1919, Serial No. 286,154. Divided and this application filed Sept. 10, 1920. Serial No. 409,400. 5 Claims. (Cl. 43—4.)

1. In a fishing apparatus, the combination of a catching station; a net having a catching compartment; a discharge conduit for the fish having its inlet end connected to said compartment and its outlet end arranged at said station; a pressure fluid supply pipe connected at its outlet end to said compartment; and a pump at said station to which the inlet end of said supply pipe is connected; said pump acting to deliver pressure fluid through said



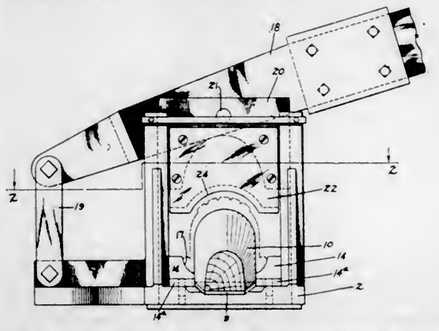
pipe into said compartment, to force the fish therein into and through said conduit and to discharge them at said station.

1,462,197. MACHINE FOR CUTTING TIRES INTO TRANSVERSE SECTIONS. ERICK O. FELLROTH, Minneapolis, Minn., assignor of one-third to Frederick N. Hegg and one-third to Carl I. Lindskoog, both of Minneapolis, Minn. Filed Mar. 7, 1922. Serial No. 541,800. 10 Claims. (Cl. 164—41.)



1. A tire cutting machine comprising a base having a seat for the tire to be cut transversely, a severing knife mounted to cut the tire tread and knives actuated at a predetermined point in the severing operation for cutting transversely through the tire beads and the metallic reinforcing therein.

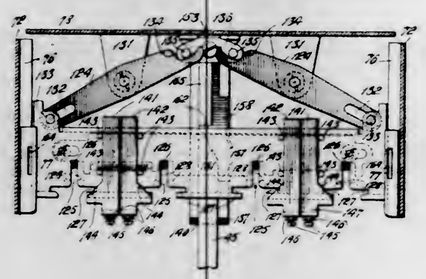
1,462,198. TIRE GAUGE CUTTER. ERICK O. FELLROTH, Minneapolis, Minn., assignor of one-third to Frederick N. Hegg and one-third to Carl I. Lindskoog, both of Minneapolis, Minn. Filed Mar. 7, 1922. Serial No. 541,801. 7 Claims. (Cl. 164—57.)



1. A machine of the class described comprising a base, a tire seat mounted thereon and having a surface conforming substantially to the inner surface of a tire shoe to

provide a substantial support therefor, said base having upright standards adjacent the end of said seat and between which standards the end of the tire to be severed is inserted, resting upon said seat, and a severing knife mounted to cut the tire transversely into a series of guard sections.

1,462,199. COIN-CONTROLLED VENDING MACHINE. HARVEY GILES, Brooklyn, N. Y., assignor to Artemas Ward, New York, N. Y. Filed Nov. 20, 1919. Serial No. 339,268. 8 Claims. (Cl. 194—80.)



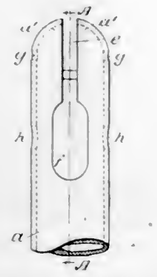
1. In a coin-controlled vending machine having a tray for holding a stack of the articles of merchandise to be sold and a manually operative handle, enclosed mechanism comprising a slide operable in a direction toward said tray by means of said handle and having a coin-receiving recess within which the coin is held on edge facing rearwardly in a direction toward said tray, the rear face of said coin being positioned to serve as an abutment to effect the positive dislodgement of merchandise from said tray when said handle is operated on its goods discharging stroke, a member slidably carried by said slide and affording a lower support for the coin in said recess, a stop in the path of said supporting member for arresting the same against movement during the rearward movement of said slide to effect the dislodgement of the merchandise and before said slide ceases its movement, whereby said slide is caused to carry the coin beyond said arrested supporting member to permit the release of the coin, and means for restoring said supporting member in its relation to said recess after the discharge of the merchandise and during the forward movement of said slide to its normal position.

1,462,200. STAMP MOUNT AND INDEX. EVERETT D. GUDGEL and MATT M. COREY, Chicago, Ill., assignors to R. D. Swisher Mfg. Co., Chicago, Ill., a Corporation of Illinois. Filed Oct. 26, 1922. Serial No. 596,944. 2 Claims. (Cl. 101—368.)



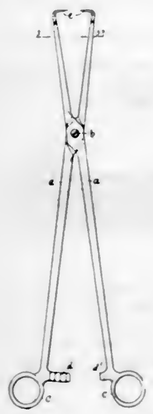
1. In a stamp mount, a box formed of sheet metal so as to have one side open, and a screw inserted in a hole in the metal of the side opposite the open side, said screw having a bead formed thereon by upsetting part of the metal thereof so as to clamp the metal of the box between the head of the screw and said bead.

1,462,201. TENNIS POST. ROWLAND RUSHWORTH HIRST and ARNOLD HIRST, Halifax, England. Filed Aug. 7, 1922. Serial No. 580,376. 2 Claims. (Cl. 46—24.)



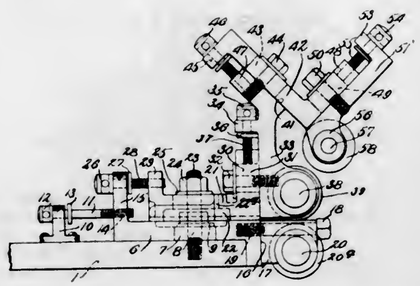
1. A tennis post formed of a straight cylindrical tube of ductile metal provided with longitudinal notches having curved converging sides, said notches being formed in the upper end of the tube and the metal between the notches being bent to hemispherical form so that the two notches form a single continuous opening, the hemispherical end portion of the tube being of the same diameter and thickness as its main portion and having holes for receiving the spindle of a guide pulley.

1,462,202. SURGICAL INSTRUMENT. EARLE B. HOPPER, Ridgewood, N. J. Filed May 14, 1921. Serial No. 469,661. 1 Claim. (Cl. 128—321.)



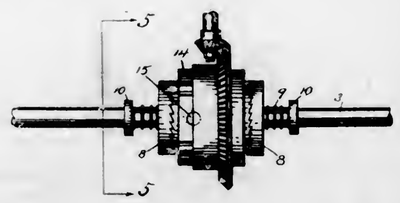
A pair of surgical forceps comprising coacting members pivoted together and having coacting slender terminal portions adapted to grasp between them the part to be held and each of which is bent toward the other and thence tapered to substantially a point, each bent-off tapered portion being adapted to puncture and thereby catch the part to be held and being arranged to overlap and to wipe against the other bent-off tapered portion in the grasping position of the forceps.

1,462,203. ADJUSTABLE FEED-ROLL JOURNAL FOR CARD FEEDERS. JOSEPH B. HOWE, Worcester, Mass., assignor to George S. Harwood & Son, Boston, Mass., a Copartnership consisting of Sydney Harwood and John H. Harwood. Filed July 29, 1922. Serial No. 578,518. 10 Claims. (Cl. 19—160.)



1. A card feeding machine comprising a supporting frame, upper and lower feed roll brackets mounted thereon, the lower bracket having an opening therein constituting an enclosed journal-box, a lower feed roll supported in said journal-box and means for adjusting said lower bracket relatively to the frame.

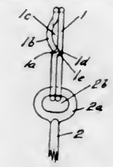
1,462,204. AUTO REAR-AXLE DIFFERENTIAL MECHANISM. FRANK TOBIS and FRANK JARZYNA, Chicago, Ill. Filed Jan. 23, 1922. Serial No. 531,296. 5 Claims. (Cl. 74—7.)



1. A differential transmission gear for motor vehicles comprising, in combination, a divided axle, two coaxially arranged clutch members rotatably mounted on the inner ends of said axle, said clutch members each having ratchet teeth projecting from the outer ends thereof and the teeth of one member being reversely arranged with respect to those of the other member, one of said members consisting of two separate elements each carrying a set of ratchet teeth adapted to be projected beyond the teeth of the other member and to be retracted inwardly thereof, two clutch members slidably but nonrotatably mounted adjacent the ends of said axle, each having two concentric sets of ratchet teeth reversely arranged with respect to each other and adapted to engage the teeth of said first mentioned members, springs tending to force said second mentioned clutch members inwardly, and means for rotating said coaxially arrange clutch members and for projecting and retracting said elements according to the direction of rotation.

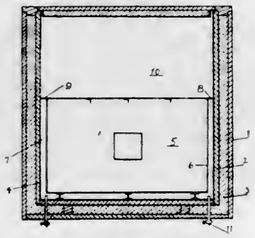
1,462,205. KEY RING AND THE LIKE. LEWIS F. KOONS, Minneapolis, Minn. Filed Nov. 18, 1921. Serial No. 516,239. 2 Claims. (Cl. 59—98.)

1. In a key ring a coil of approximately two complete turns produced from a single piece of wire of a uniform cross-section throughout its entire length, an oblique portion intermediate its two ends forming an offset of a length equal to the cross-section of said wire, a laterally projecting arched portion at one end of said wire having



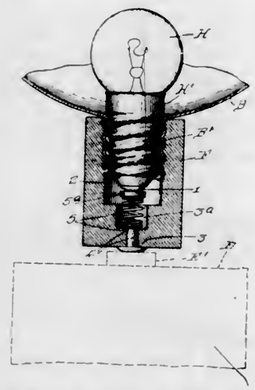
its terminus inside of said coil and having an inward curvature of a sufficiently reduced radius to admit of its extreme end passing inwardly of the oblique portion when compressed.

1,462,206. REFRIGERATOR. FRANCIS T. LYNCH, Baltimore, Md. Filed Oct. 17, 1921. Serial No. 508,123. 2 Claims. (Cl. 62—31.)



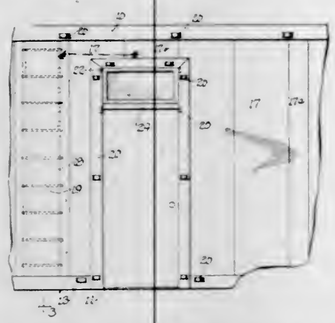
1. A refrigerator, comprising a freezing chamber, a freezing mixture chamber above said freezing chamber, a space on the side of said freezing chamber in screened communication with said freezing mixture chamber, and means for regulating the height of brine resulting from the melting of the freezing mixture in said space and said freezing mixture chamber at a desired point above said freezing chamber.

1,462,207. BATTERY LAMP. EDGAR J. MCEACHRON, Madison, Wis., assignor to French Battery & Carbon Co., Madison, Wis., a Corporation of Wisconsin. Filed Aug. 10, 1921. Serial No. 491,160. 3 Claims. (Cl. 240—8.5.)



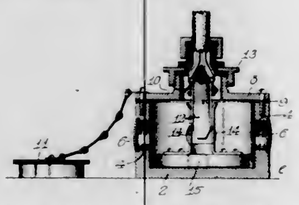
2. A shock-absorbing device adapted for attachment to the threaded shank of the reflector of a battery lamp, said device comprising a tubular insulation block having one end provided with an internally threaded bore and the other end provided with an end wall, a contact stud extending thru said end wall, and a spring contact in the bottom of said bore and connected with said stud.

1,462,208. BUILDING CONSTRUCTION. ERNEST A. MAYO, Evanston, Ill. Filed Mar. 25, 1921. Serial No. 455,387. 15 Claims. (Cl. 72—16.)



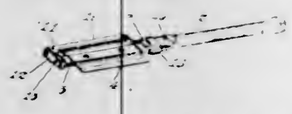
1. In a building, a downwardly extending engaging device on the ceiling thereof, an upwardly extending engaging device on the floor thereof, and integral wall panel longer than the distance between the effective bottom of the floor device and the lower end of the ceiling device and shorter than the distance between the ceiling and the upper end of the floor engaging device, said panels being held in place by said engaging devices, said engaging devices permitting said wall panels to be set up by an end to end insertion.

1,462,209. UNIVERSAL CONDUIT BOX. FRANK J. MINER, Detroit, Mich. Filed Jan. 27, 1919. Serial No. 273,294. 5 Claims. (Cl. 247—18.)



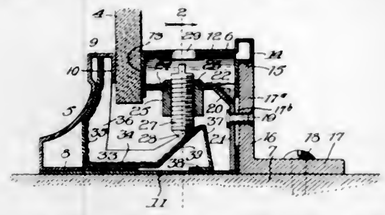
1. An outlet box having a thickened wall formed with a screw-threaded opening into which a tubular member is adapted to be screwed, and means for sealing said opening water tight, said means being bodily insertable within the completed opening and having a thickness less than the axial length of the opening, the positioned means being adapted to be knocked out bodily without injury to the thread zone of the opening to expose said zone and permit the member to be screwed to position.

1,462,210. RAZOR-BLADE HOLDER. EDWARD M. MOYLAN, Boston, Mass. Filed Dec. 3, 1921. Serial No. 519,685. 2 Claims. (Cl. 30—25.)



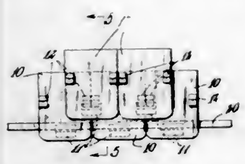
1. A device for use in stropping double edged razor blades, comprising a holder for one of said blades, a guard for one edge of a blade mounted in said holder, and means connecting said guard with said holder and permitting the guard to be swung about two axes located transversely to each other into guarding relationship to either edge of said blade.

1,462,211. STORE-FRONT CONSTRUCTION. DANIEL J. MURNANE, Chicago Heights, Ill., assignor to Zouri Drawn Metals Company, Chicago Heights, Ill., a Corporation of Illinois. Filed Dec. 2, 1921. Serial No. 519,407. 4 Claims. (Cl. 20—56.4.)



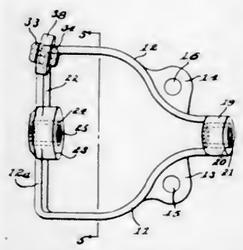
1. The combination with a member forming a wall of a glazed opening, of glass-plate-clamping means extending along opposite sides of the sheet of glass, said means being formed at their rear side with a plate-like portion which extends rearwardly from said sheet and at an angle thereto and lengthwise of the construction and a portion which depends from said plate-like portion and is inset forwardly from the rear edge of said plate-like portion, whereby a recess or channel is provided and an angle-iron member secured to said first-named member and extending lengthwise of said clamping means, with one of its angularly-disposed portions disposed in said recess, and means engaging said clamping means with the portion of said angle-iron member located in said recess.

1,462,212. ENAMEL SHINGLE CONSTRUCTION. PAUL PERCSÉNYI, East Pittsburgh, Pa. Filed Oct. 7, 1922. Serial No. 593,021. 4 Claims. (Cl. 108—17.)



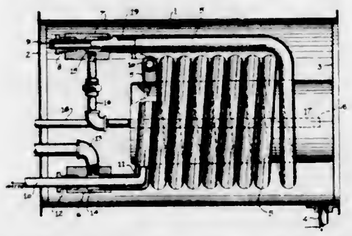
1. In a roof, an angular metal strip extending along the ridge thereof and having inturned hook-flanges on its lower edges, a metal bar extending along the lower edge of the roof, shingles arranged in successive rows, means interlocking the shingles of each row with those of adjacent rows, and the top and bottom rows with the said angular metal strip and metal bar respectively.

1,462,213. CARRIER-CONTROLLING DEVICE FOR BRAIDING MACHINES. ANKER PETERSEN, Winthrop, Mass. Filed Aug. 16, 1922. Serial No. 582,162. 11 Claims. (Cl. 96—5.)



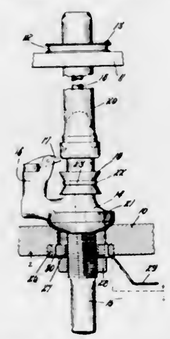
1. A braiding machine comprising in combination a braiding carrier movable in a circular path, and drive means moving in a path concentric with that of the carrier and comprising a roll of relatively large diameter for pushing the carrier along its path, and a roll of relatively small diameter for preventing overrunning of the carrier when the driving means comes to rest.

1,462,214. CONDENSER. ELMER F. SEAGER, Detroit, Mich., assignor of one-half to Robert C. Sturgeon, Windsor, Canada. Filed Oct. 6, 1921. Serial No. 505,744. 3 Claims. (Cl. 257—28.)



1. A condensing apparatus comprising a main tank adapted to receive a cooling agent, a receiver in said main tank, an outer coil about said receiver and communicating therewith, and an inner coil in said outer coil and communicating with said main tank.

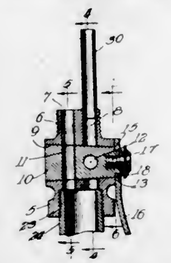
1,462,215. CENTERING MEANS FOR SPINDLES. FREDERICK G. SMITH, New Bedford, Mass., assignor of one-half to Isaac N. Babbitt, Fairhaven, Mass. Filed June 9, 1922. Serial No. 567,037. 9 Claims. (Cl. 118—66.)



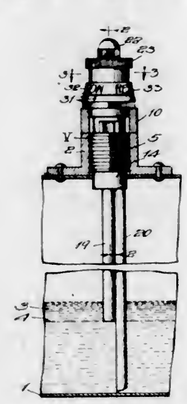
1. The combination, with a spindle including a base having a head and a depending extension, of a supporting rail having a face on which said head is seated and an opening through which said extension passes, and an adjusting means having an external rotative bearing in said rail and an interior rotative bearing on said extension, the two bearings being eccentric to one another, whereby rotation of the adjusting means is effective to incline the spindle with respect to the rail.

1,462,216. GASOLINE RESERVE VALVE. EDWARD J. STALDER and EDWARD SCHOLZ, Chicago, Ill. Filed Aug. 5, 1921. Serial No. 490,162. 1 Claim. (Cl. 158—46.5.)

In combination with a liquid supply tank, a reserve valve comprising a body member adapted to be arranged at an opening in the top or bottom of said tank, said body member having a pair of ducts entirely therethrough from end to end, extension insertable into said ducts adapted to conduct the liquid from said tank at different levels, a tapered bore extending laterally through said valve body and communicating with both of said ducts intermediate their ends; a tapered plug seated in said bore and having a pair of ducts independent of each other and extending entirely therethrough from one side to the other, said last-mentioned ducts having their axes arranged in mutually transverse directions and adapted to alternately register and align with the ducts through said body member, a handle for operating said plug and bearing against the body member to prevent axial movement of the plug in one direction, means for retaining said plug and handle in place, and means for limiting the rotational movement of said plug and comprising abutments on said body adapted to be engaged by said handle, whereby the liquid from said tank will normally flow through one of said ducts until it reaches a predetermined level in the tank so that the plug may be actuated to place the other duct into registry with the duct through the plug and permit the remaining reserve supply of liquid to flow therethrough.



1,462,217. GASOLINE RESERVE VALVE. EDWARD J. STALDER and EDWARD SCHOLZ, Chicago, Ill. Filed Oct. 8, 1921. Serial No. 506,450. 5 Claims. (Cl. 158—46.5.)



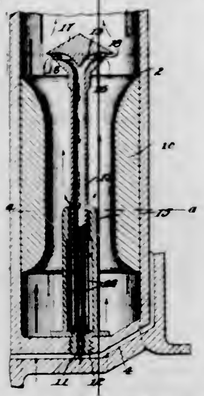
1. In combination with a liquid supply tank having a discharge opening with an outlet pipe projecting therefrom, a reserve valve comprising a member adapted to be stationarily arranged at said outlet pipe and having a single discharge duct therethrough, a collar on said member coaxial with said outlet pipe and annularly abutting thereagainst, said collar provided with an outlet pipe extending therethrough and communicating with the single discharge duct in said member, a second member movably arranged relative to said first-mentioned member and having a pair of ducts therethrough and communicating with the liquid in the tank at different levels, and means for selectively moving said second-mentioned member to place one of said pair of ducts into registry with the single duct of said first-mentioned member and closing the passage through the other of said pair of ducts.

1,462,218. VACUUM-CLEANER ATTACHMENT. DOMENICK TONSO, New York, N. Y. Filed Mar. 15, 1922. Serial No. 543,956. 1 Claim. (Cl. 15—8.)



A vacuum cleaner including a casing provided with a suction nozzle and a rotary brush adjacent thereto, wheels carrying said casing, wheels operating said brush, both sets of wheels normally resting on the ground, a handle pivotally connected with said casing, a hook fixed to said casing, and a flexible connection between said hook and said handle including a link in engagement with said hook, whereby the lowering of said handle below a certain limit results in the lifting off the ground of said brush operating wheels while the casing carrying wheels remain on the ground, and the lifting of said handle beyond a certain limit causes a disengagement of said link from said hook.

1,462,219. CARBURETOR. ALBERT WAGNER, Cincinnati, Ohio, assignor, by mesne assignments, to The Wemb Company, Cincinnati, Ohio, a Corporation of Ohio. Filed Feb. 21, 1922. Serial No. 538,319. 3 Claims. (Cl. 261—19.)



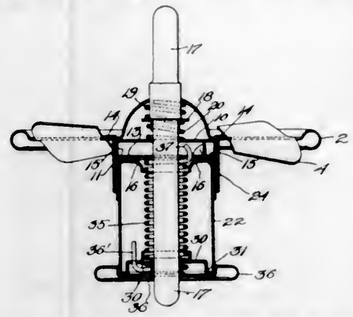
3. In a carburetor the combination of a mixing chamber, an air supply therefor, a liquid fuel supply, and an air tube disposed about the fuel supply, said air tube having an inlet located above the normal level of the liquid fuel supply for diverting a part of the air supply and conducting said air supply in opposition to the flow of the liquid fuel supply to an outlet in the air tube at a point below said normal level, and a deflecting canopy upon the upper end of the air tube, the upper end of the tube being flared and the canopy being of a greater diameter than the flared end and having its under end tapered to deflect air downwardly within the tube.

1,462,220. LABEL. CARL WIEGANDT, Barmen, Germany, assignor of one-half to Albert Viehmann, Barmen, Germany. Filed Feb. 6, 1923. Serial No. 617,291. 2 Claims. (Cl. 91—68.)



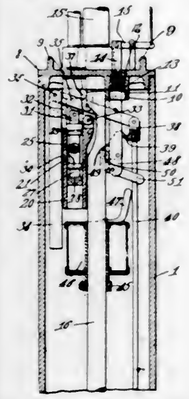
1. As a new article of manufacture: a label made of sheet-metal and coated with an ordinary light-coloured oil-paint containing hydrochloric acid.

1,462,221. FLYING TOP. LESTER WOLFE, New York, N. Y. Filed July 11, 1921. Serial No. 483,691. 9 Claims. (Cl. 244—2.)



1. A flying top comprising a circular flier with oblique vanes, and a central hub portion provided with axial aligned openings, an axial pin projecting through said openings and held in yielding engagement with the hub portion by tensioning means acting in opposition to axial movement of the pin in either direction, substantially as described.

1,462,222. PNEUMATIC PUMP. JAMES L. WRAY, Rock Island, Ill. Filed May 9, 1921. Serial No. 467,873. 3 Claims. (Cl. 103—248.)

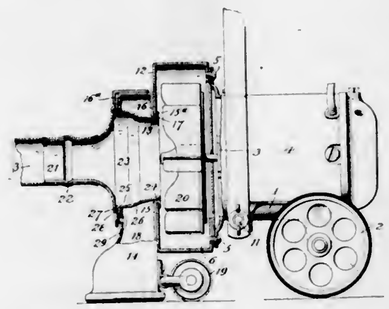


3. The combination with a main casing having a valved liquid inlet, of an outlet pipe within the casing having a check valve, superposed independently movable floats upon said pipe, a valve casing within the main casing and having a port communicating therewith, a pressure passage opening into said casing and an exhaust passage in communication with said valve casing, a valve within the valve casing, means for holding the valve normally positioned with the port in communication with the exhaust passage, means operated by the rise of one of the floats for releasing the valve, and means operated by the other float when the valve is released for shifting the valve to close the exhaust passage and place the pressure passage in communicating with the port.

1,462,223. VACUUM-CLEANING DEVICE. MORRIS S. WRIGHT, Worcester, Mass., assignor to M. S. Wright Company, Worcester, Mass., a Corporation of Massachusetts. Filed Sept. 21, 1916. Serial No. 121,479. 4 Claims. (Cl. 15—9.)

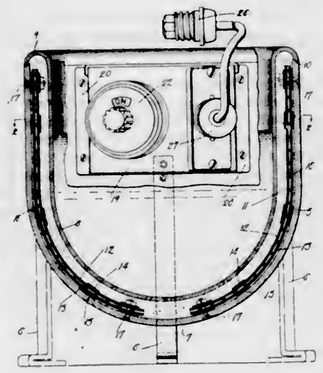
1. In a vacuum cleaning machine the combination of a fan casing having an opening in one wall thereof, a

nozzle having openings in the front and rear walls thereof with the opening in the front wall of increased diameter relative to that of the rear wall, the said rear wall of the nozzle having a flange part projecting through the opening of the fan casing and turned inwardly whereby to overlie the inner surface of the fan casing,



the said flange forming a smooth continuous engaging surface, and a coupling member of sheet metal having a tapered periphery insertable through the openings of the nozzle and adapted to conform to and frictionally engage said engaging surface, and means interposed between the nozzle and coupling member for maintaining such frictional engagement.

1,462,224. ELECTRIC COOKER AND MELTING POT. HAROLD C. BAUSERT, Brooklyn, N. Y. Filed Feb. 28, 1922. Serial No. 539,946. 4 Claims. (Cl. 219—44.)



1. An electric heating device of the class described, comprising an outer receptacle, and an inner receptacle nesting thereon, said receptacles being uniformly spaced, and high and low resistance heating units secured to the outer receptacle and disposed between the space defined by said receptacles, whereby high or low heat may be generated.

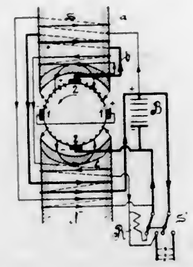
1,462,225. FOLDING LUNCH BOX. RAYMOND L. BRAZEE, Westfield, Mass., assignor to The Hampden Toy Company, Westfield, Mass., a Corporation of Massachusetts. Filed Nov. 12, 1921. Serial No. 514,543. 7 Claims. (Cl. 229—41.)

1. As an improved article of manufacture, a folding lunch box constructed from a single piece of material bent and scored to provide a bottom adapted to be folded on itself lengthwise, back and front sides, end pieces and



bottom spreaders, end flaps adapted to be folded on themselves vertically, and a cover, and two rivets to fasten together said end pieces and end flaps.

1,462,226. INHERENTLY-REGULATED DIRECT-CURRENT DYNAMO. HANS CHARLET, Krefeld, Germany. Original application filed July 8, 1920, Serial No. 394,849. Divided and this application filed Apr. 3, 1922. Serial No. 549,299. 5 Claims. (Cl. 171—232.)

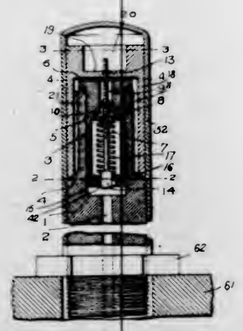


1. In an inherently regulated direct current dynamo, adapted to be used at will as either a generator or as a motor, the combination with a constantly excited primary field, a secondary field produced by the armature winding, a neutralizing winding on the magnet poles, and means for reinforcing the primary excited field, a plurality of sets of brushes, one set of brushes short circuited and located in the neutral zone of the said primary excited field, another set of brushes located in the neutral zone of the said secondary field and connected with a neutralizing winding disposed on the magnet poles, the primary field required for producing the working current being produced by the main current windings.

1,462,227. TIRE VALVE. WALTER E. COPITHORN, Natick, Mass. Filed July 15, 1920. Serial No. 396,381. 1 Claim. (Cl. 152—12.)

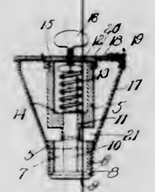
In a tire valve, the combination with a valve stem having an interiorly screw-threaded bore and an external shoulder, of a valve casing screw-threaded into said bore and provided with a conical valve seat, said casing having a non-circular head which fits against the end of the valve stem, a spring-pressed valve within the casing engaging said seat, said valve having a screw-threaded rod or projection extending therefrom through and beyond the casing, and a cap adapted to seat against the shoulder of the valve stem and having screw-

threaded engagement with said projection, whereby when the cap is turned the valve will be firmly forced against



its seat, said cap having a recess to fit the non-circular end of the casing and thus constituting a wrench for removing the casing from the valve stem.

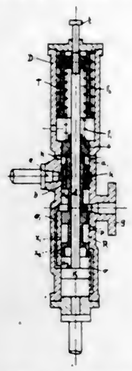
1,462,228. SPRING ACTUATED CLOSURE. THOMAS CROCE and DOMINICK MOMABITO, East Boston, Mass. Filed Jan. 24, 1922. Serial No. 531,389. 1 Claim. (Cl. 220—86.)



A closure for a receptacle having, in combination, a body portion provided with a bore open at its lower end, a cap detachably fastened to the upper end of said body portion, said body portion being adapted to be fastened to a receptacle in alignment with a hole provided in said receptacle, a funnel fast to and concentric with said body portion, said body portion being provided with a port opening from said funnel into said bore, a cover for said funnel, a valve adapted to close the open end of said bore, a valve stem slidably mounted in said body portion, a head on said valve stem, a spring interposed between said head and body portion and adapted to normally hold said valve in position to close the lower end of said bore and a screw having screw-threaded engagement with said cap and adapted to bear against the head of said valve stem whereby said valve may be locked in open position, said screw projecting outwardly through an opening in said cover.

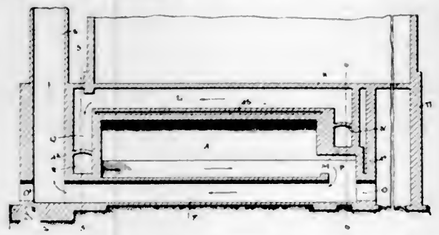
1,462,229. PNEUMATIC BRAKE. IVAR DROLSHAMMER, Hamar, Norway. Filed May 5, 1921. Serial No. 467,146. 7 Claims. (Cl. 303—32.)

1. In a controlling valve for pneumatic brakes for railway vehicles and the like, an automatic slidable valve member, a chamber or conduit connected to the train pipe and by the pressure in which said valve member is controlled so that said valve member is caused to open a supply port to the brake cylinder when said pressure is reduced and said valve member is caused to be restored to closing position by the rising pressure in the brake cylinder, means for limiting the movement of the member controlled by the air pressure, and means for adjustment of the said means for limiting the movement so



that the time required for the shorter movement may be substantially equal to the time required for the longer movement.

1,462,230. CREMATORY. AUGUSTUS CICERO FELTON, Jr., Macon, Ga. Filed Sept. 26, 1922. Serial No. 590,649. 4 Claims. (Cl. 110—12.)



1. A crematory structure comprising vertical side and end walls, a charging floor section supported upon the vertical side and end walls, a floor consisting of juxtaposed grate and garbage supporting sections, an arched roof overlying the floor and being spaced from the charging floor, said side wall having an inlet therein for admitting air to the space between the roof and the charging floor, walls cooperating with the said end walls and the arched roof for conducting the admitted air by tortuous paths from the inlet to a space below the grate section, a stack adjacent to one of said end walls, said garbage supporting section having a flue extending longitudinally thereof in adjacent underlying relation to the supporting surface thereof and being spaced from the end wall of the crematory remote from the stack to provide a port establishing communication between the one end of said flue and the space within the crematory structure below the arched roof, said flue being in open communication at opposite end with the stack, and a charging chute depending from the charging floor through the arched roof.

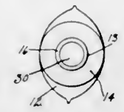
1,462,231. SPIRIT LEVEL. FREDERICK WILLIAM FOUSE, Muskogee, Okla. Filed Jan. 28, 1919. Serial No. 273,625. 4 Claims. (Cl. 287—9.)



3. An articulated device comprising a plurality of hinged sections, one of which is provided with rods

having their extremities extending beyond the end of said section and proportioned and positioned to enter orifices in the opposed section, and having lateral notches adapted to lockingly engage the sides of said orifices, and a resilient member positioned to be manually actuated and to move the rods yieldingly out of such locking engagement.

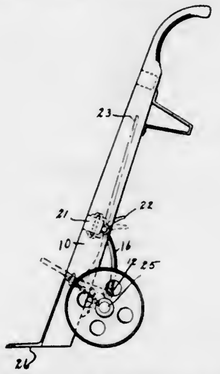
1,462,232. VALVED COLLAPSIBLE TUBE. HERBERT L. FRIZELL, Dorchester, Mass. Filed Apr. 5, 1920. Serial No. 371,227. 6 Claims. (Cl. 221—60.)



1. The combination with two pivotally connected parts and a rivet providing the pivot connection between them, of means for limiting the relative rotation between said parts comprising a lug projecting from the side of the rivet and notches in said parts in which the lug is contained, the sides of said notches serving as stops for the lug, and one of the notches being wider than the lug.

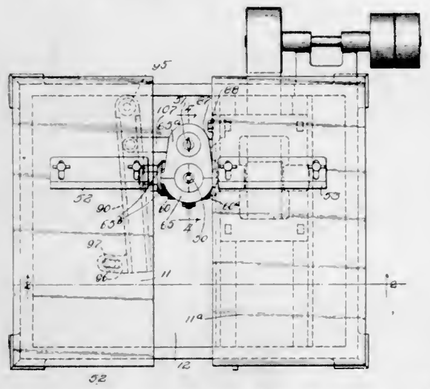
6. A collapsible container for fluid material of pasty consistency, having an end wall and a lateral outlet port, a valve cap embracing that part of the container in which said port is located and having likewise an end wall overlying the first named end wall, and further having a port adapted to be placed, by rotation of the valve, into and out of registry with the first named port, and a rivet passing through said end walls pivotally connecting the valve to the container, the container end wall having a notch and the rivet havnig a lug occupying said notch to limit rotation of the valve, and the rivet having also a flange covering said notch.

1,462,233. KICK-OFF FOR HAND TRUCKS. SAMUEL KERR, Caruthers, Calif. Filed July 5, 1921. Serial No. 482,479. 3 Claims. (Cl. 214—82.)



1. In a hand truck the combination of a frame composed of side members and cross members; wheels on one end of said frame adapted to support the same; handles on the other end of said frame; legs near said handles adapted to support said frame in a horizontal position; a fender on the end of said frame near said wheels adapted to prevent accidental displacement of the load carried by said frame; in combination with a kick-off device comprising a substantially U-shaped operating member pivotally mounted on the under side of one of the cross bars of said frame and having its free ends curved to extend downwardly and forwardly and terminating in eyes; a lever extending downwardly and outwardly from the center of said operating member, between its bearings; a substantially inverted U-shaped elevating member having its free ends terminating in eyes, said eyes being pivotally connected to the eyes of said first member; bearings pivotally mounted in the sides of said frame to extend outwardly therefrom adapted to have slidably mounted therein the legs of said U-shaped elevating member; and a coil spring connected at one end to the cross bars of said elevating member, and at its other end to an axle of said truck, adapted to normally hold said elevating member in its inoperative position.

1,462,234. ROUTING MECHANISM. EDWARD A. LAUGHLIN, Port Arthur, Tex. Filed Nov. 17, 1922. Serial No. 601,577. 10 Claims. (Cl. 144—144.)



1. A routing mechanism comprising two cutting tools, means for rotating the cutting tools, means for reciprocating said cutting tools while rotating, and means for revolving one of said cutting tools about the other as a center while reciprocating the same.

1,462,235. WINDOW SPRING. OSCAR A. LAWRENCE, San Francisco, Calif., assignor to Urban H. Roberts, San Francisco, Calif. Filed Dec. 2, 1920, Serial No. 427,724. Renewed Apr. 18, 1923. 2 Claims. (Cl. 292—76.)

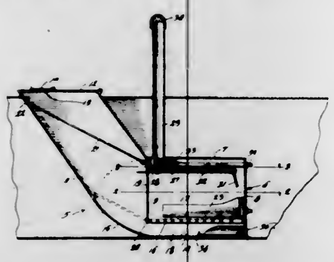


1. A device such as described comprising a strip of metal with a head portion thereon and an end portion formed in an arcuate contour; said head portion having a lateral projection adjacent the end thereof, bent at right angles thereto and terminating with an end rebended on a plane substantially parallel with that of the head portion.

1,462,236. COMPOSITION FOR VARNISH. RANNIE S. LLOYD, Maysville, N. C. Filed July 19, 1922. Serial No. 576,117. 6 Claims. (Cl. 134—26.)

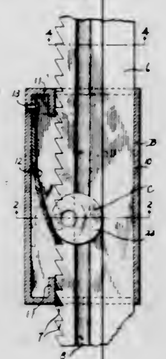
6. The process of preparing varnish which consists in mixing crude pine sap with spirits of turpentine in substantially the proportions of one to three; and heating the mixture to substantially 300 degrees F.

1,462,237. TANK HEATER. HOWARD LOCKHART, Falls City, Nebr., assignor to Emma L. Vernon, Akron, Colo. Filed Mar. 3, 1921. Serial No. 449,447. 7 Claims. (Cl. 126—367.)



1. In a tank heater comprising a body portion having a chute communicated therewith, a grate in said body portion, a horizontal partition above the grate, a water back arranged directly above the grate, and a second water back supported upon the partition.

1,462,238. SPARE-TIRE LOCK. CIRO R. MENNILLO, New City, N. Y. Filed May 18, 1922. Serial No. 561,976. 3 Claims. (Cl. 70—17.)



1. A securing device comprising a flexible steel band, a housing secured to one terminal of the band, a rack bar secured to the other end of the band for slidable association with the housing, and a laterally extending casing formed on one side of the housing, a cylinder lock disposed in the casing including a rotatable key operated plug, a resilient pawl disposed in said housing for engaging the rack bar, and a cam secured to said rotatable plug and disposed in the path of the pawl for moving the pawl out of engagement with said rack.

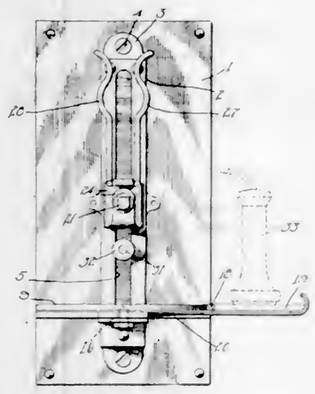
1,462,239. WINDOW, ESPECIALLY FOR RAILROAD, TRAMWAY, AND OTHER VEHICLES. ARTUR MOLLENKOPF, Lubeck, Germany. Filed July 6, 1920. Serial No. 394,399. 5 Claims. (Cl. 20—53.)

1. A window structure comprising a frame provided with an upper cross bar and a sill, a sash reversibly mounted in said frame with the rail at the top thereof normally spaced from the horizontal surface of said cross bar and the rail at the bottom normally engaged with said sill, and means for swingingly associating said sash with said frame, said means comprising a box carried by a jamb of said frame and provided with an opening and a pivot pin carried by the sash and extending into said opening, the distance between the opposite walls of said opening being greater than the diameter of said pin whereby the sash may be raised to clear the



sill, then moved laterally and downwardly to clear the lintel, and then swung toward reversed position while the pin rests on the bottom wall of the opening.

1,462,240. TELEPHONE SUPPORT. JOHN JOSIRA MOSS, Chicago, Ill. Filed July 24, 1922. Serial No. 577,205. 5 Claims. (Cl. 248—20.)

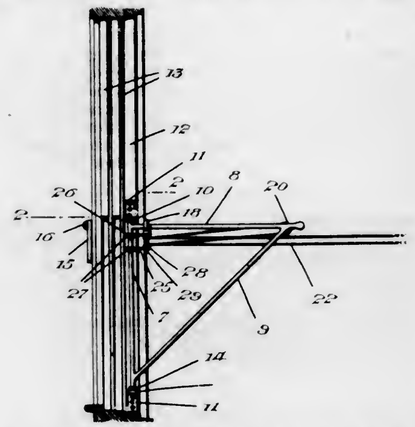


1. A device of the type described comprising a base, a casing having a longitudinal slot therethrough, a corrugated metal strip in said casing adjacent to said slot, a platform slidably supported in the slot in said casing, a lug forming a part of the supporting means for said platform, a bolt set in said supporting means adjacent to said lug and extending exteriorly of said casing, and a U-shaped spring member disposed on said bolt between the head thereof and the outer wall of said casing, whereby said lug may be yieldably held into engagement with said corrugated strip.

1,462,241. SAFETY CLOTHESLINE BRACKET. JOHN P. MUNFORD, Brooklyn, N. Y. Filed May 17, 1921. Serial No. 470,345. 1 Claim. (Cl. 68—3.)

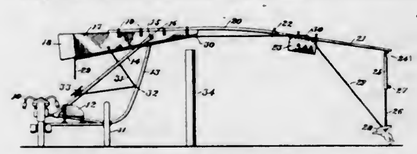
A clothes line bracket having a vertical shaft, means for supporting said shaft for turning movement, a clothes line pulley carried by the bracket, a pair of arms mounted loosely on said shaft to turn around said shaft and

adapted to receive the clothes line between them, means on said shaft for supporting said arms in the desired



vertical position, said arms having apertures, and a pin insertable in said apertures to retain the clothes line between said arms behind said pin.

1,462,242. RACING DEVICE. EUGENE F. PANARIO and WILLIAM B. CROSS, Sacramento, Calif. Filed Oct. 27, 1920. Serial No. 420,012. 13 Claims. (Cl. 46—73.)



13. In a racing device of the class described, a conveyor, an extension arm supported by the conveyor and disposed at right angles thereto, a lure suspended from the outer end of the arm, a housing carried by the arm and positioned adjacent the outer end, and means for raising or lowering the lure with relation to the housing to cause the lure to disappear at any time desired.

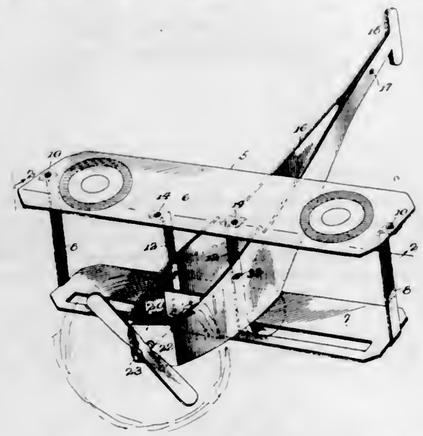
1,462,243. SOAP. PAUL LÉON EUGÈNE PECH, Narbonne, France. Filed Jan. 4, 1921. Serial No. 435,014. 2 Claims. (Cl. 87—5.)

2. A soap prepared by means of the following materials in the following approximate proportions:

Cocoa nut oil 100 kilograms.
Anhydrous caustic soda 4.750 kilograms.
Silicate of soda 5 kilograms.
Anhydrous caustic potash 6 kilograms.
4 per cent solution of chlorate of potash 100 kilograms.

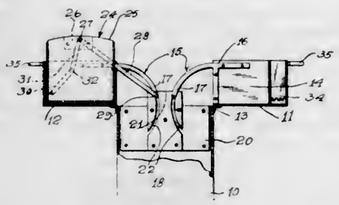
1,462,244. TOY AEROPLANE. WALTER A. PIPER and ARTHUR V. NAEGELE, Chicago, Ill. Filed Oct. 26, 1921. Serial No. 510,499. Renewed May 22, 1923. 5 Claims. (Cl. 244—14.)

3. An aeroplane consisting of upper and lower wings, the lower wing being provided with upwardly extending struts having their end portions extended angularly, metallic eyes connecting the angularly extended end portions of said struts and the end portions of said upper wing, a fuselage arranged between said wings and having sides, the rear portions of said sides being connected by a metallic eyelet, said lower wing being provided with integral upwardly extending struts having their end portions extended angularly and in contact with the under side of said upper wing, metallic eyelets securing the angularly extended end portions of said second named struts to the intermediate portion of said upper wing, the forward portions of said sides of the fuselage being overlapped, a metallic eyelet joining



the overlapped ends of the sides of said fuselage and constituting a bearing, a propeller shaft extended through said bearing, the forward longitudinal edge of the lower wing being provided with upwardly extending portions having an opening, a metallic eyelet carried by said upwardly extending portion and rotatably receiving said shaft, and a propeller secured to said shaft.

1,462,245. TOOL OR IMPLEMENT CASE. CARL W. REGLEIN, Houston, Tex. Filed July 3, 1922. Serial No. 572,437. 6 Claims. (Cl. 190—19.)

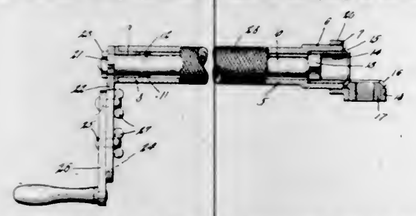


1. A tool case comprising a hollow body open at its upper end, opposed lid sections hinged to the upper edge of the body and each angular in cross section and adapted to close the body when the lid sections are closed, means limiting the outward movement of the lid sections to a position at right angles to the body to thereby support the lid sections with one wall in a horizontal plane extending from the top edge of the body, a tray, and means supporting the tray normally in a middle position with relation to the body but acting to swing the tray into a position resting flat upon said horizontally disposed wall of one lid section when the lid sections are fully opened.

1,462,246. WRENCH. THOMAS M. RENICK, Morgantown, W. Va. Filed Dec. 31, 1921. Serial No. 526,211. 1 Claim. (Cl. 81—57.)

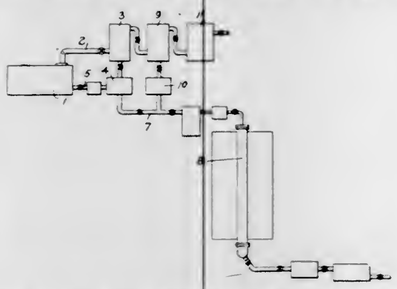
In a wrench, a tubular body portion having an enlargement at one end thereof, and having external threads, a sleeve positioned within the enlargement, said sleeve having teeth at one end thereof providing a bev-

eled gear, a head having a circular threaded portion adapted to be positioned over the threaded portion of the enlargement to secure the head to the tubular body portion, said head extending laterally from one end of the tubular body portion, a sleeve carrying a beveled



gear cooperating with the first mentioned beveled gear, the last mentioned sleeve being positioned in the head, a shaft operating in the tubular body portion and having a squared end fitted in the first mentioned sleeve, and an adjustable handle at one end of the shaft to rotate the same.

1,462,247. TREATMENT OF HYDROCARBONS. WALTER F. RITTMAN, Pittsburgh, Pa. Filed Feb. 5, 1917. Serial No. 146,719. 1 Claim. (Cl. 196—25.)



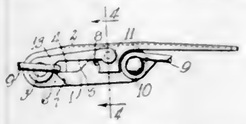
The process herein described for forming a low boiling hydrocarbon from a high boiling hydrocarbon which consists in cracking the high boiling hydrocarbon, segregating from the products of cracking the end product desired and then cracking the remaining hydrocarbons, one of the cracking operations consisting in subjecting the hydrocarbons in a relatively large liquid mass, to heat and pressure suitable for the production of the end product desired, segregating such end product, and the second operation consisting in vaporizing the material remaining after such segregation and subjecting such vapors to heat and pressure and for a period of time suitable for the formation of the desired end product.

1,462,248. AUTOMATIC SEMAPHORE SIGNAL SYSTEM. ROBERT L. ROCKWELL and ERNEST G. HOWE, Seattle, Wash., assignors, by mesne assignments, to Ernest G. Howe, trustee, Seattle, Wash. Filed June 12, 1918. Serial No. 239,673. 2 Claims. (Cl. 246—90.)



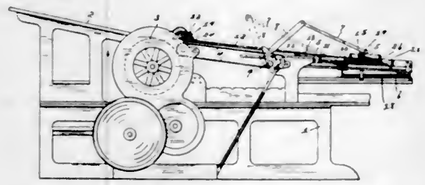
1. An automatic signal system for railways comprising a series of semaphore arm signals disposed along the track of said railway, local circuits for each of said semaphore arm signals, primary relay circuits provided with simple and differentially wound relays for controlling said local circuits, a series of batteries for said primary relay circuits disposed at selected points along said railway, motors provided with limit switches for actuating said semaphore arm signals, switches operatively connected to said batteries, and means provided on the cars of said railways for engaging said switches and reversing the terminals of said batteries whereby said motors will be started and said limit switches will be caused to automatically break the circuit to and arrest said motors and provide circuits through the motor windings upon the completion of the new position of the semaphore arms whereupon when the original relay connections are made said motors will return the semaphore arms to their original positions and cause the said limit switches to be returned to their original positions.

1,462,249. TIRE-CHAIN TIGHTENER AND LOCK. LEWIS SLAMA, Humboldt, Nebr. Filed Feb. 2, 1922. Serial No. 533,599. 3 Claims. (Cl. 24—69.)



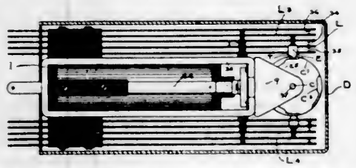
1. A device of the type described comprising a member having a hook portion, and having an opening therein, a U-shaped member pivotally secured to said first-named member and being adapted to receive said first named member, said U-shaped member having a hook portion adapted to be alined with said first named hook, and a spring pressed pin carried by said U-shaped member and being adapted to enter the opening, said first named member having a beveled edge adapted to force said pin outwardly when said pin is moved thereby.

1,462,250. FLAT-BED PRINTING PRESS. MARTIN F. SLATTERY and HOWARD MCALONIE, Cohoes, N. Y. Filed Apr. 12, 1922. Serial No. 551,764. 13 Claims. (Cl. 271—84.)



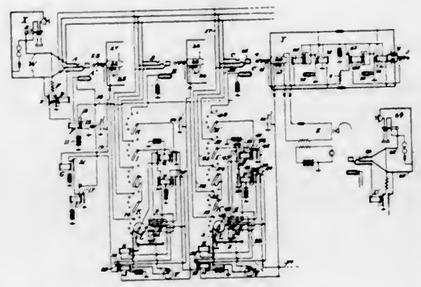
1. In a printing press having a cylinder, and a delivery-bed, the combination with sheet-delivery mechanism for transferring a printed sheet from the cylinder to the delivery-bed; of sheet-guarding mechanism overhanging the path of the delivered sheet from a point above the delivery-bed to a point adjacent to said cylinder, said sheet-guarding mechanism being automatically extensible and contractible in the operation of the press.

1,462,251. SEQUENCE SWITCH. FRANK M. SLOUGH, Rochester, N. Y., assignor to The Stromberg-Carlson Telephone Manufacturing Company, Rochester, N. Y., a Corporation of New York. Filed May 8, 1918. Serial No. 233,202. 12 Claims. (Cl. 172—27.5.)



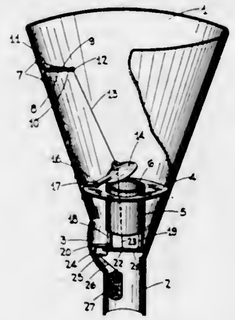
5. In a sequence switch, a rotatable cam shaft, a plurality of separate cams secured thereto, means to rotate the said shaft, and means to cause alternate cams in their motion to operate contact springs located on the same side of the said shaft, the other cams operating contact springs on the opposite side of the said shaft.

1,462,252. TELEPHONE-SIGNAL-ALLOTTING SYSTEM. JOHN A. TAGGART, Rochester, N. Y., assignor to The Stromberg-Carlson Telephone Manufacturing Company, Rochester, N. Y., a Corporation of New York. Filed Jan. 24, 1918. Serial No. 213,584. 28 Claims. (Cl. 179—54.)



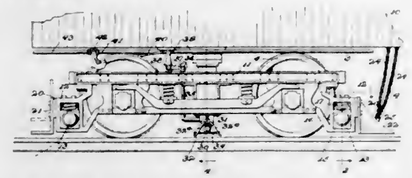
27. In a telephone system, a main station having operators' positions, a plurality of telephone lines terminating in said operators' positions, signals at said operators' positions for indicating that said telephone lines are calling, automatic means for allotting operators' positions for use, progressively movable automatic switches for disabling certain of said signals except those at an allotted operator's position, and operator's mechanism for controlling said switch.

1,462,253. AUTOMATIC FUNNEL. NEILS TOBIASSON, Orton, Alberta, Canada. Filed May 16, 1922. Serial No. 561,493. 3 Claims. (Cl. 226—37.)



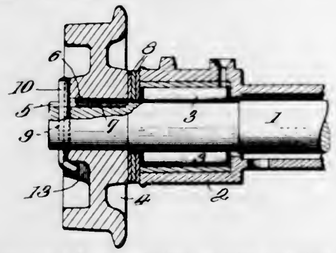
1. A device of the character described, comprising a casing, a tubular extension formed with said casing, a disk dividing the casing into upper and lower sections, a tubular member disposed in said disk and communicating with the casing sections, a valve plate arranged on said tubular member for closing the same, a latch member arranged on said tubular extension, a wire connection between said valve plate and latch, a catch member connected to said extension and adapted for engagement with said latch, a float member connected to the catch member, the tubular extension of said casing adapted for insertion within the neck of a bottle to be filled, a rigid connection between the said float and catch member, and the said catch member being adapted for release from the latch member upon the elevation of said float member.

1,462,254. SAFETY APPARATUS FOR RAILWAY ROLLING STOCK. HOMER SPELLMAN VOTAW, Chopaka, Wash. Filed Aug. 10, 1922. Serial No. 580,975. 8 Claims. (Cl. 246—171.)



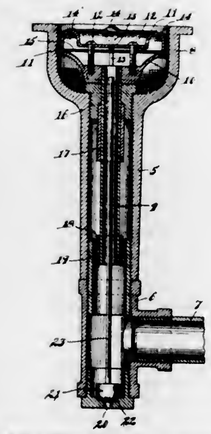
7. A safety apparatus for railway rolling stock embodying a car truck and comprising rotatable shafts carried by the car truck and engageable with the rails upon derailment of the car, said shafts having a pair of flanges engageable with either side of the rails.

1,462,255. RUNNING GEAR FOR WHEELED VEHICLES. HAROLD E. AUSTIN, Louisville, Ky., and JESSE C. COOK, Jeffersonville, Ind., assignors to American Creosoting Company, Louisville, Ky., a Corporation of Indiana. Filed Dec. 8, 1922. Serial No. 605,729. 2 Claims. (Cl. 295—43.)



1. Running gear for wheeled vehicles including a revoluble axle having a longitudinal slot and a transverse bore near each wheel carrying end, a wheel keyed to such axle through such slot, the hub of said wheel being slotted diametrically on one face and having a recess at one end of said slot, and a pin extending through the bore of said axle and seated in the slot of said wheel, the end of said pin being bent to lie in said recess.

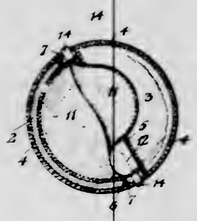
1,462,256. LAWN SPRINKLER. LOUIS D. BARNEY, Chicago, Ill. Filed May 28, 1918. Serial No. 236,983. 4 Claims. (Cl. 299—61.)



1. A device of the class described comprising a vertically disposed tubular housing having an inlet opening and a

drain valve in the lower portion thereof; a spraying device in the form of a tube revolubly and slidably mounted in said housing and provided with an upwardly opening groove about its lower end portion; and a ring of wood mounted within said groove and supported thereby, adapted, by engagement with a fixed metal portion of the housing, to limit the upward movement of the tube, substantially as described.

1,462,257. POWDER PUFF AND COVER THEREFOR. MAX BROCK, New York, N. Y., assignor to I. B. Kleinert Rubber Company, New York, N. Y., a Corporation of New York. Filed Jan. 6, 1923. Serial No. 611,124. 6 Claims. (Cl. 132—78.5.)



3. An article of the class described comprising a powder puff having a pair of powder-applying surfaces folded upon themselves and normally extending in opposite directions, a case secured to said puff between said powder-applying surfaces, and a pair of pockets on said case for enclosing said powder-applying surfaces.

1,462,258. POWDER PUFF. MAX BROCK, New York, N. Y., assignor to I. B. Kleinert Rubber Company, New York, N. Y., a Corporation of New York. Filed Jan. 26, 1923. Serial No. 614,970. 2 Claims. (Cl. 132—78.5.)



1. An article of the class described comprising a puff having a pair of powder-applying surfaces which are normally folded, a flat cover located on one side of said puff and forming a backing therefor, said puff and cover being adapted to be folded on a line located between the folded powder-applying surfaces to enclose said puff between the folded portions of the cover, and detachable means for holding the puff and cover in said folded condition.

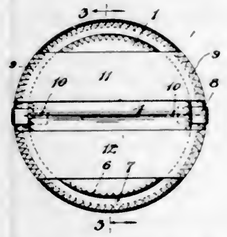
1,462,259. POWDER PUFF. MAX BROCK, New York, N. Y., assignor to I. B. Kleinert Rubber Company, New York, N. Y., a Corporation of New York. Filed Jan. 26, 1923. Serial No. 614,971. 3 Claims. (Cl. 132—78.5.)

1. An article of the class described comprising a powder puff having a pair of normally folded powder-applying surfaces, flat sections of material independent of said puff being secured on opposite sides of said puff and interen-



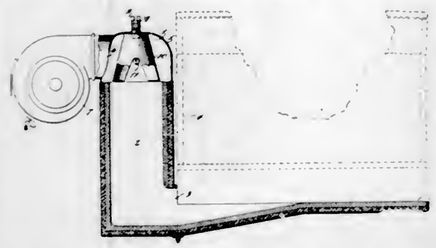
gaging, detachable fastening means for uniting the opposite edges of said sections being secured to the sections on their inner faces and adjacent their edges.

1,462,260. POWDER PUFF. MAX BROCK, New York, N. Y., assignor to I. B. Kleinert Rubber Company, New York, N. Y., a Corporation of New York. Filed Jan. 26, 1923. Serial No. 614,972. 3 Claims. (Cl. 132—78.5.)



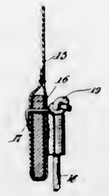
2. An article of the class described comprising a powder puff, a flexible disk on which said puff is adapted to be secured and spaced-apart parallel straps extending across the face of said disk and adapted to maintain the puff flat upon said disk.

1,462,261. LIQUID-FUEL BURNER. GEORGE ALFRED BRYAN, Peru, Ind., assignor to Bryan Harvester Company, a Corporation of New Mexico. Filed June 18, 1921. Serial No. 478,682. 4 Claims. (Cl. 158—76.)



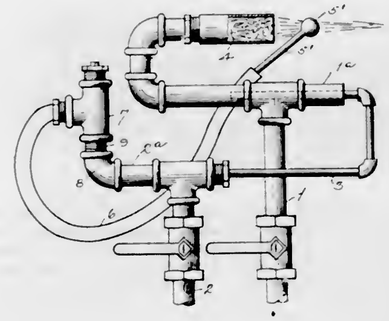
1. A fuel oil burner comprising a mixing chamber having an opening in one side for the admission of oxidizing fluid, an atomizer for the fuel oil entering an end of the mixing chamber, means for directing oxidizing fluid under pressure into the opening in the side of the mixing chamber, and a shield member surrounding the atomizer and exteuding in front of the opening in the side of the chamber, a portion of the two opposite sides of the shield member in the line transverse that of the opening in the side of the chamber and extending substantially above the plane of the bottom of the opening being cut away.

1,462,262. EYELET TACK. JOHN P. BRYANT, Chicago Ill. Filed Feb. 23, 1922. Serial No. 538,809. 1 Claim. (Cl. 156—40.)



In combination with a curtain shade stick, a tack having a concave body portion and a wing portion bent thereover to form an eyelet, said tack driven into said stick, and bent so that the eyelet lies thereagainst; and a flexible member secured in said eyelet.

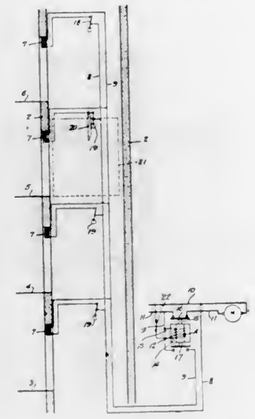
1,462,263. AIR-CONTROL VALVE. LEE F. CHANEY, Springfield, Ohio, assignor to The Chaney Manufacturing Company, Springfield, Ohio, a Corporation of Ohio. Filed Nov. 12, 1920. Serial No. 423,656. 7 Claims. (Cl. 251—137.)



2. A pressure chamber, having a vent orifice to be closed by the finger of the operator, a control valve admitting pressure to said chamber, and finger operated means for opening said valve manipulated by the application of the operator's finger to the vent orifice.

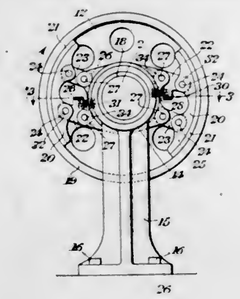
1,462,264. SAFETY ELEVATOR INTERLOCK. FRANK M. COFFIN, Pelham, N. Y. Filed Apr. 23, 1921. Serial No. 463,746. 5 Claims. (Cl. 187—31.)

5. The combination with an elevator having doors normally retained in locked position and means for operating the elevator, of an electromagnet adjacent to each of said doors for unlocking the same, said electromagnets being electrically connected with a source of energy, a circuit-controlling device in the circuit of each of said members and operable to close said circuit during movement of the elevator, an electromagnet having a pair of circuit-closing elements one effective to close a circuit through said elevator-operating means and the other to close the circuit through said circuit-controlling devices, said circuit-closing elements being so disposed that one is in circuit-closing position and the other in circuit-breaking position when the electromagnet is ener-



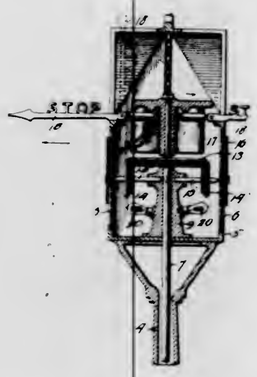
gized and vice versa when the electromagnet is deenergized, and means for closing a circuit through the coil of said electromagnet thereby to energize the same.

1,462,265. BRAKE FOR ELECTRIC-MOTOR-OPERATED HOISTS. MATTEO COSULICH, New York, N. Y., assignor to Thomas & Buckley Hoisting Co., New York, N. Y., a Corporation of New York. Filed Oct. 27, 1921. Serial No. 510,703. 1 Claim. (Cl. 188—82.)



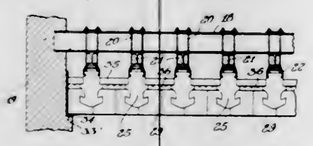
In an electric motor operated hoisting apparatus, the combination of a brake drum fixed on the armature shaft and having an internal braking surface concentric with the shaft, two brake shoes within the drum and arranged to engage the drum at diametrically opposite points, a stationary support forming a bearing for the armature shaft, a pair of outwardly extending links within the drum at each side of the said support, one link of each pair being tangential, means pivotally connecting the inner ends of the links of each pair to said support at opposite sides thereof, means pivotally connecting a brake shoe with the outer ends of the links of each pair, and spring means normally tending to swing the links in one direction to bring the brake shoes into engagement with the brake drum, whereby the thrust of the brake shoes will be in opposite directions and will be balanced on the said bearing support.

1,462,266. TRAFFIC REGULATOR. GEORGE C. DEGNER, Long Beach, Calif. Filed Nov. 3, 1920. Serial No. 421,536. 10 Claims. (Cl. 116—63.)



2. A traffic regulator comprising a supporting base, a vertical tubular post rising therefrom, a rectangular casing mounted on said post and having in each side thereof a transparent dial, a pivoted indicating arm in each side of the casing normally standing in horizontal position, extending outwardly, a continuously rotatable shaft extending through said post into the casing, a cam cylinder on said shaft coacting with said arms to intermittently turn them into vertical position, a gear wheel on the shaft, short horizontal shafts mounted in the casing geared with said gear wheel and extending out through said dials and carrying hands on their outer ends to indicate on said dials the movements and positions of the cams of said cam cylinder.

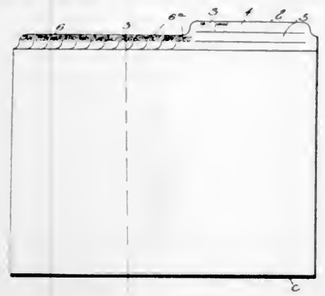
1,462,267. FURNACE ARCH. ROGER D. DE WOLF, Rochester, N. Y. Filed Aug. 18, 1920, Serial No. 404,425. Renewed June 7, 1923. 20 Claims. (Cl. 110—95.)



1. A furnace arch comprising a plurality of supporting elements, a plurality of hanger bricks supported by each of said elements independently of the other elements by means providing for the lowering and replacement of the bricks through the combustion chamber, and lining bricks carried by said hanger bricks to protect the latter and form a complete lining for said arch.

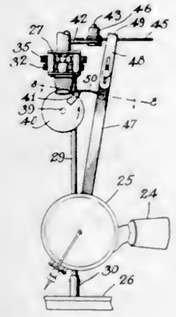
1,462,268. FILING INDEX. PAUL DIETRICH, Cleveland, Ohio, assignor to Yawman & Erbe Mfg. Co., Rochester, N. Y., a Corporation of New York. Filed Aug. 16, 1920. Serial No. 403,785. 3 Claims. (Cl. 129—16.5.)

1. An index file comprising a plurality of alined or superposed units, one behind the other and provided with projecting index tabs embodying a group designation and an individual name designation for each unit, the individual name designations being all similarly placed



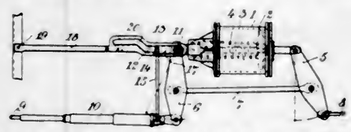
and in alinement and unlike group designations being relatively and progressively offset to be simultaneously viewable.

1,462,269. SOUND-REPRODUCING MACHINE. GIOVANNI DI FALCO, New York, N. Y. Filed Feb. 1, 1922. Serial No. 533,247. 6 Claims. (Cl. 274—15.)



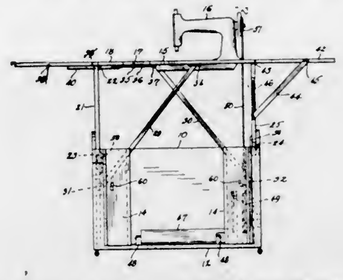
1. A repeating mechanism for sound reproducing machines, comprising a rotatable member, means involving a train of gears for rotating said member, said member being provided with an adjustable platform and a part carried by the tone arm of the machine adapted to be engaged by said platform to move said tone arm transversely of the record supporting table of the machine.

1,462,270. AUTOMATIC SLACK ADJUSTER FOR BRAKES. AXEL RUDOLF KONRAD DJURSON, Malmo, Sweden, assignor to Svenska Aktiebolaget Bromsregulator, Stockholm, Sweden, a Company. Filed Apr. 27, 1921. Serial No. 464,864. 4 Claims. (Cl. 188—202.)



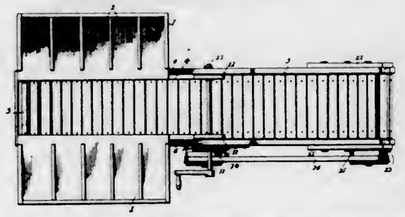
2. An air brake controller having a piston rod, a slack adjuster, a member for operating the slack adjuster, a guide formed with a slot slidably receiving a connection from said member and a connection from said piston rod, means joining said connections, said guide being movably mounted to respond to loose play of the piston rod, said guide being formed to positively operate said member in a predetermined movement of the piston rod.

1,462,271. SEWING-MACHINE CABINET AND SEAT. MADDALENA H. ENNIS, Ansonia, Conn. Filed Sept. 26, 1922. Serial No. 590,625. 5 Claims. (Cl. 45—27.)



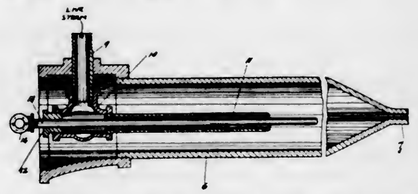
2. A machine cabinet comprising a box-like base having front, rear and end walls, supports hinged to the base adapted to be placed in upright positions or in horizontal superimposed positions in the cabinet, one of said supports when in the latter position forming a cover for the cabinet, a machine support hinged to one of said supports and comprising a plurality of sections hinged together, means for holding the hinged sections in alignment, and means for detachably connecting the machine support with the other support when the latter is in upright position.

1,462,272. LOADING DEVICE. NICOLAUS W. FABECK, Freeport, Minn. Filed May 5, 1921. Serial No. 466,985. 4 Claims. (Cl. 198—203.)



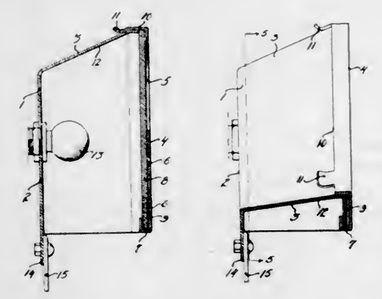
1. A manure loader comprising a frame, a portion of which is angularly disposed, rollers at the ends thereof, the roller at one end of said frame being adjustably supported in place, an additional roller intermediate of the aforesaid rollers, an endless carrier disposed over said rollers, a plurality of smaller rollers in said frame supporting the upper strip of the carrier, means for retaining the upper strip of the carrier in contact with said additional roller, means for manually rotating said carrier, and an adjustable scraping member adapted for contact with the lower strip of the carrier below the adjustable roller.

1,462,273. SMOKE CONSUMER. FREDERICK P. FISCHER, Chicago, Ill. Filed May 13, 1920. Serial No. 380,961. 1 Claim. (Cl. 110—60.)



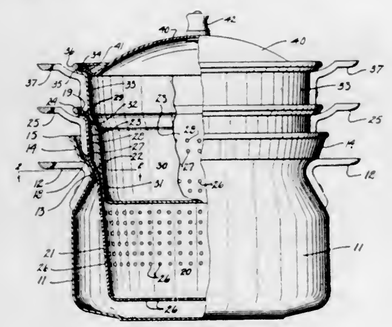
A device of the class described including a tubular member having a flattened end portion and an orifice formed in said end portion, a reducer at the opposite end of said tubular member and open for the admission of atmospheric air, a steam pipe carried by said reducer and extending into the interior thereof and carrying a T at the interior end, a pipe carried at one end of said T and in communication with said steam pipe and extending into the interior of said tubular member, a plug having a central opening formed therein at the opposite end of said T, and a pipe passing through the opening of said plug and said second named pipe and extending beyond the inner end of said pipe for delivering water vapor to the interior of said tubular member to be ejected through said orifice by the steam from said second second named pipe.

1,462,274. REAR LAMP FOR AUTOMOBILES. MICHAEL FRASCADORE and ROMEO VALLONE, Philadelphia, Pa. Filed Oct. 24, 1922. Serial No. 596,563. 6 Claims. (Cl. 40—131.)



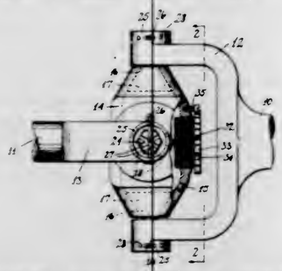
1. A rear lamp for automobiles comprising a rear wall; a front wall having an opening; a top wall sloping rearwardly; resilient means affording attachment of the front wall to the top wall; a channeled lower edge on the front wall; a transparent closure member in the channel covering the opening; and illuminating means to the rear of the closure member.

1,462,275. COOKING UTENSIL. KARL GAMMEL, Cleveland, Ohio. Filed May 21, 1921. Serial No. 471,427. 7 Claims. (Cl. 53—2.)



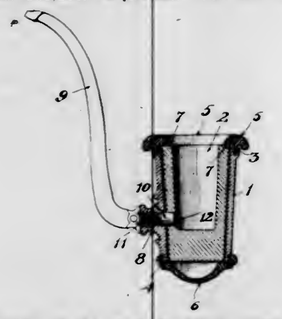
5. In a cooking utensil, a plurality of nested members adapted for use in combinations, and a handle secured to an intermediate one of said members constructed to rigidly support said intermediate member upon the member outwardly adjacent thereto, and to furnish support to the member inwardly adjacent thereto.

1,462,276. UNIVERSAL JOINT FOR SHAFTS. HARRY C. GRANT, Bayonne, N. J. Filed Sept. 9, 1921. Serial No. 498,462. 2 Claims. (Cl. 64—102.)



1. A universal joint comprising a central member having a lubricant chamber, hollow bosses located upon said member in pairs at right angles to each other and communicating with the lubricant-chamber, the inner surfaces of said bosses converging outwardly, fork members straddling each pair of bosses, a driving shaft connected with one of said fork members, a driven shaft connected with the other fork member, tapered plugs fitted within said bosses and constituting bearings for said central member, shanks projecting outwardly from said tapered plugs into said fork members and means whereby said shanks are adjustably secured in said fork members.

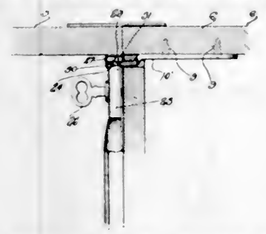
1,462,277. CASING FOR SMOKING PIPES. LOUIS GRAVEURE, New York, N. Y. Filed Sept. 21, 1921. Serial No. 502,261. 2 Claims. (Cl. 131—12.)



2. An article of the class described comprising a casing for a corn cob pipe consisting of a tubular metal member having a projecting internally-threaded boss extending from one side thereof, a pipe bowl received within said member with its stem opening in alignment with said boss, means on one end of the member for retaining the pipe bowl within said member, and a stem having a threaded end adapted to be received in said boss and into the stem opening in the pipe bowl.

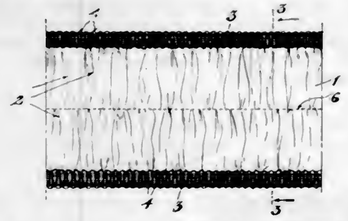
1,462,278. LOCKING BAR. FREDERICK J. GREENE, Racine, Wis., assignor to Greene Mfg. Co., Racine, Wis., a Corporation of Wisconsin. Filed May 5, 1922. Serial No. 558,780. 8 Claims. (Cl. 45—94.)

6. A locking device for a removable drawer, comprising a substantially tubular sheet metal locking bar having rearwardly extended flanges and inwardly directed flanges, the inwardly directed flanges being spaced from the front of the bar and terminating at a point slightly inwardly of one end of the bar, a part projected over the top of the bar end to form a keeper receiving recess, the front of the bar at the keeper receiving recess being bulged outwardly to accommodate a keeper, a lock concealed within the bar and confined between the front face thereof and the rearwardly and inwardly directed flanges, said lock having a bolt projectable into the keeper receiving recess, and a keeper



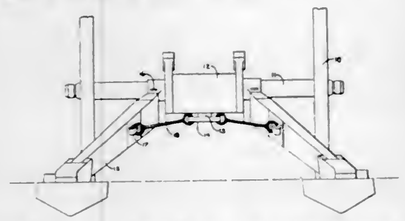
adapted to have its outer end concealed in said recess and engaged by the lock bolt to secure the locking bar in position.

1,462,279. ELASTIC FABRIC. VICTOR GUINZBURG, New York, N. Y., assignor to I. B. Kleinert Rubber Company, New York, N. Y., a Corporation of New York. Filed June 4, 1920. Serial No. 386,564. 1 Claim. (Cl. 154—48.)



An article of the class described, comprising a strip of gathered or shirred textile fabric having a plurality of spaced narrow strips of elastic secured to it by stitching, some of said strips being secured on one face of the fabric and a strip on the opposite face thereof, two of said strips constituting flat, unshirred elastic strips at the opposite longitudinal edges of said fabric strip, and over-stitching enclosing said edge strips to secure the same to one face of the fabric strip and to provide a reinforcement for the edges of said fabric strip.

1,462,280. TRAIL STOP. DAYTON A. GURNEY, Caro, Mich. Filed May 19, 1922. Serial No. 562,239. 1 Claim. (Cl. 89—40.) (Filed under the act of Mar. 3, 1883, 22 Stat. L., 625.)

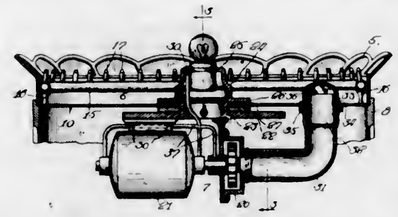


The combination with a gun carriage, including an axle, a top carriage mounted on the axle, a center pin carried by the top carriage, a bearing ring mounted on the pin, and a pivotally mounted pair of trails, of a flexible connection between each trail and the bearing.

1,462,281. ELECTRIC FOUNTAIN. WALTER L. HAANEL, Chicago, Ill. Filed Apr. 15, 1920. Serial No. 374,194. 5 Claims. (Cl. 299—4.)

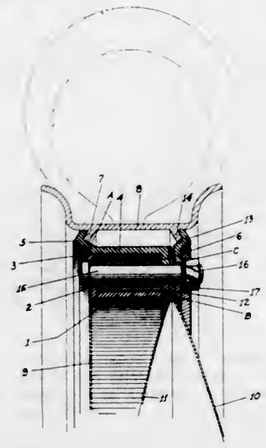
1. An electric fountain having a basin, a lamp receptacle housing extending above and projecting through

the bottom of the basin, a power pump unit comprising a motor and pump supported from the housing below the



basin, a removable water projector supported in the basin, and water connections between the pump and the projector.

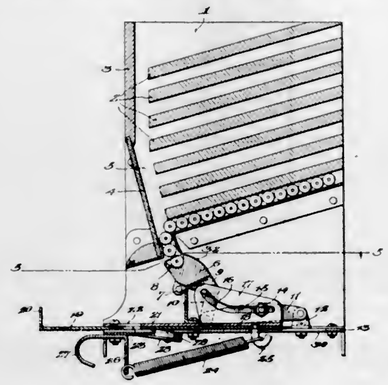
1,462,282. FIXED-RIM CONSTRUCTION FOR DISK WHEELS. LOUIS B. HARVEY, Stockton, Calif., assignor to Harvey Rim & Wheel Company, Inc., Buffalo, N. Y. Filed Mar. 16, 1920. Serial No. 366,215. Renewed May 9, 1921. Serial No. 468,048. 6 Claims. (Cl. 301—23.)



1. A built-up fixed rim structure comprising a ring having an outwardly projecting flange on one edge thereof, such flange terminating in an outwardly flared portion, another ring having a shoulder seating on the flared portion of the flange and being welded thereto, and having also an inwardly projecting annular flange on the opposite side extending past the first named ring to the inner edge thereof and being welded thereto, and a removable rim-locking ring positioned on the outside of the last named flange and adapted to be held thereagainst.

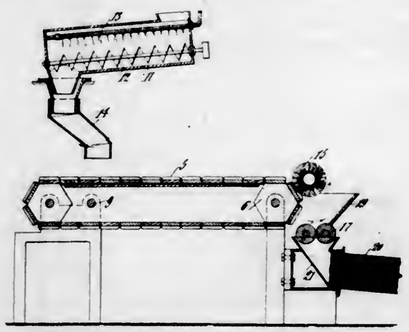
1,462,283. VENDING MACHINE. PETER J. HEGNES, Canton, S. Dak. Filed May 9, 1921. Serial No. 467,825. 3 Claims. (Cl. 211—8.)

1. In a vending machine, a casing, an article holding magazine having a discharge, a stationary horizontal plate located below the discharge and having a coin-opening, a vertical plate located rearwardly of the coin-opening and extending upwardly from the horizontal plate and towards the discharge and spaced from the latter, an approximately oval-shaped delivery member in the space between the discharge and vertical plate and having a depending pivot located so that the ends of the delivery member extend on opposite sides of the vertical plate, a coin-controlled slide below the horizontal plate, a slotted plate carried by the slide, a horizontal arm pivoted to the casing at one end, a vertical link pivoted at one end to the other end of the arm and at



its other end to the rear end of the delivery member, and a projection on the arm located between the ends thereof engaging in the slot of the slotted plate, said slot being formed to effect article discharging movement of the delivery member upon actuation of the slide.

1,462,284. METHOD OF MAKING HYDRATED LIME. MAX HERMANN, New York, N. Y. Filed Jan. 12, 1921. Serial No. 436,675. 1 Claim. (Cl. 222—4.)

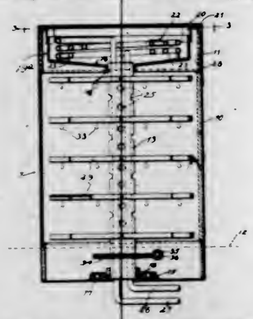


The method of making hydrated lime which consists in subjecting lump lime to a water spray under a relative movement of the lime with reference to the spray, then causing the so moistened lime to fall upon, become distributed over and be exposed to evaporative action on a moving means, and then collecting the product in the form of powdered hydrated lime.

1,462,285. REFRIGERATED DISPLAY APPARATUS. GEORGE HILGER, Chicago, Ill. Filed Aug. 25, 1922. Serial No. 584,235. 6 Claims. (Cl. 62—37.)

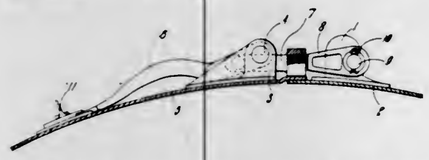
1. A display apparatus comprising a casing, a central tubular column mounted for rotation on a vertical axis in said casing, means carried by said column for rotation therewith adapted to support products to be preserved, said column having a plurality of openings therein adjacent said supporting means, and means providing a refrigerating chamber in the upper portion of the casing having a central opening in its bottom wall

through which the upper open end of said column projects and having a coil therein with supply and return



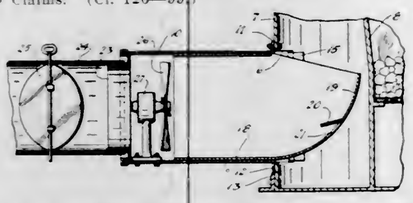
pipes depending through said column, said refrigerating chamber being arranged to communicate with the lower portion of the case at the sides thereof.

1,462,286. WASH MACHINE. WILLIAM JEPSON, London, England. Filed Mar. 14, 1922. Serial No. 543,681. 4 Claims. (Cl. 220—55.)



1. A washing machine, a door therefor, a toggle mechanism hingedly mounted on one of said parts, a projection on the other of said parts to be engaged by said toggle mechanism, and an element formed on the toggle mechanism to engage and bear directly upon the door when the toggle mechanism is in locked relation.

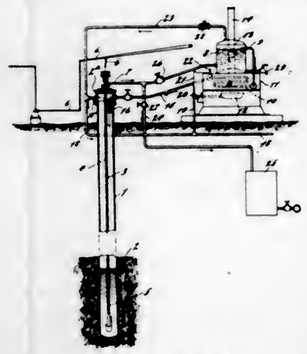
1,462,287. HOT-AIR FURNACE. JOSEPH C. KANAK, Chicago, Ill. Filed Oct. 13, 1922. Serial No. 594,253. 9 Claims. (Cl. 126—99.)



1. In combination with a hot air furnace having an outer casing with an opening provided therein, a device mounted in said opening and comprising means for taking in cool air, means for directing said air upwards within said casing, means on the inward wall of said air directing means for also leading air against the inner wall of said casing, means for conducting warm air directly from the furnace casing into said device, and means for forcing the circulation of air through said device.

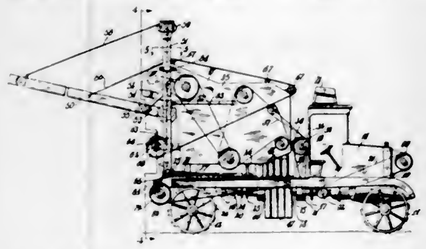
1,462,288. PROCESS AND APPARATUS FOR EXTRACTING HYDROCARBONS FROM OIL WELLS AND OIL-BEARING STRATA. WILLIAM JOHN KNOX, New York, N. Y., assignor, by mesne assignments, to said Knox and Arthur Robins Speer, Bronxville, N. Y. Filed Apr. 10, 1919. Serial No. 288,926. 6 Claims. (Cl. 166—17.)

1. The method of increasing the production of an oil well consisting in maintaining the oil bearing stratum adjacent the well at a temperature above normal and sufficiently high to reduce the viscosity of the oil therein and facilitate its flow toward the well by discharging



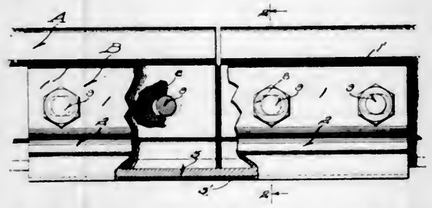
heated liquid into the well in a sufficiently continuous supply to maintain the desired temperature in said stratum and removing the same in the usual pumping operation.

1,462,289. STACKER FOR THRASHING MACHINES. JULIUS KOSÁN, Cleveland, Ohio. Filed Aug. 1, 1922. Serial No. 578,912. 4 Claims. (Cl. 198—114.)



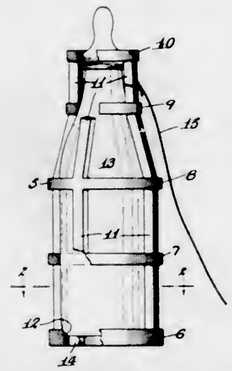
1. In a thrasher, a main body, a horizontal frame, a stacker normally extending from one end of said body, means for moving the stacker to a position resting on the top of the main body, a pair of collapsible posts supporting said stacker, and means for moving the lower ends of said posts along said frame to collapse the posts, said last means comprising gear pinions mounted on the lower ends of said posts, racks extending along said frame, a band engaged with the lower end of each post, and means for moving said band.

1,462,290. TRACK-RAIL JOINT AND SAFETY DEVICE. ALOYSIUS L. LAUBY, Antigo, Wis. Filed July 15, 1922. Serial No. 575,152. 1 Claim. (Cl. 238—192.)



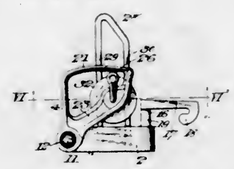
A rail joint unit comprising a metallic fish plate for nested engagement with a rail comprising two component parts each being shaped in cross section to conform to the rail and having a vertical web-strip having an outwardly and downwardly sloping beveled upper face with its uppermost inner edge in close proximity to the under surface of the rail head, said web-strip having upper and lower flange strips, the lower flange strips of said component parts cooperating to engage the bottom of the rail-base throughout substantially the entire width of said rail-base, said lower flange strips having a series of flat bottom longitudinal ribs.

1,462,291. BOTTLE PROTECTOR. JOSEPH MCCRINK, Newark, N. J. Filed Aug. 30, 1922. Serial No. 585,123. 9 Claims. (Cl. 215—11.)



1. A bottle protector of the class described, comprising a cage-like structure of unitary construction and consisting of a bottom ring member, a top ring member, intermediate ring members spaced apart by vertical rib members, and said bottom ring member being provided with a plurality of inwardly projecting retaining members.

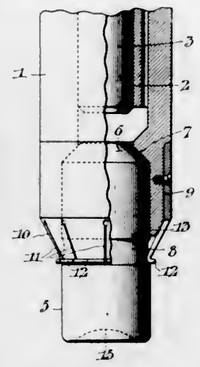
1,462,292. DEVICE FOR GUIDING, CLEARING, AND TENSIONING YARN. JOHN O. MCKEAN, Westfield, Mass., assignor to Foster Machine Company, Westfield, Mass., a Corporation of Massachusetts. Filed June 9, 1921, Serial No. 476,264. Renewed June 14, 1923. 2 Claims. (Cl. 28—67.)



1. In a tension device, a bracket, a substantially U-shaped grid forming a skeleton yarn support projecting laterally from said bracket and adjustable longitudinally therein, and a gravity operated disc arranged to coact with said yarn support, the yarn support being removable and the outer end thereof being inclined downwardly.

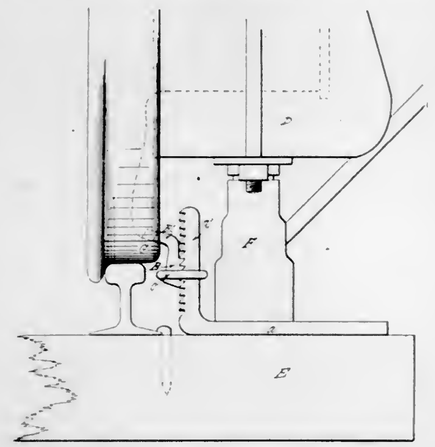
1,462,293. TOOL FOR PNEUMATIC RIVETERS. JOHN MASON, Philadelphia, Pa. Filed July 12, 1919. Serial No. 310,409. 1 Claim. (Cl. 78—46.)

A tool for pneumatic riveters and the like consisting of a solid body of metal adapted to extend into the riveter barrel and of substantially even diameter throughout except for a shallow eilcircling, circumferential recess for cooperation with the tool-retaining device of the riveter, and having on its butt end an impact-receiving surface of reduced diameter sustained by immediately circumjacent and subjacent unbroken and uniformly tapering enlargement of the butt to full size, so that



the stress and vibration of impact are freely diffused and local distress or fatigue of the metal from abrupt change of contour is avoided.

1,462,294. RAILWAY-CAR-WHEEL CLAMP. CHARLES MITCHELL, Woodstock, Ontario, Canada. Filed July 25, 1921. Serial No. 487,531. 1 Claim. (Cl. 254—33.)

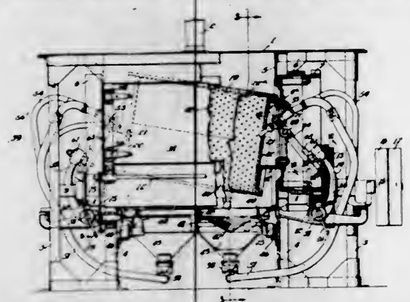


In a device of the class described, the combination of a horizontal base part, a vertical standard provided with teeth on its outer face rising from one end of said base, a vertically adjustable, wedge shaped wheel clamping member mounted on said standard and provided with teeth on the side adjacent the standard and co-acting therewith, said upwardly tapered portion presenting an outer inclined surface, a rectangular ring member mounted on the standard and arranged to be engaged by the said inclined face of the clamp to securely hold the same to the standard when in operative position substantially as described.

1,462,295. SAND-BLAST APPARATUS. EDWARD J. MOORE and RAYMOND H. MOORE, Cleveland, Ohio, assignors to The W. W. Sly Manufacturing Company, Cleveland, Ohio, a Corporation of Ohio. Filed Nov. 14, 1918. Serial No. 262,507. 8 Claims. (Cl. 51—12.)

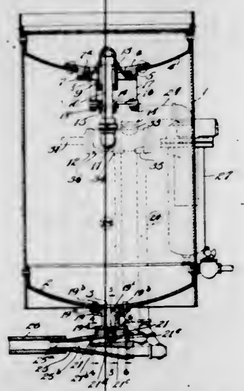
6. The combination, with a barrel of an arm pivoted adjacent to said barrel, an extension of said arm ro-

tatably and longitudinally adjustable with respect thereto, a clamp pivotally connected to such extension, a



sand blast gun supported by said clamp, and connections for supplying sand to said gun.

1,462,296. SAND-BLAST APPARATUS. EDWARD J. MOORE and RAYMOND H. MOORE, Cleveland, Ohio, assignors to The W. W. Sly Manufacturing Company, Cleveland, Ohio, a Corporation of Ohio. Filed Nov. 14, 1918. Serial No. 262,508. 11 Claims. (Cl. 51—12.)



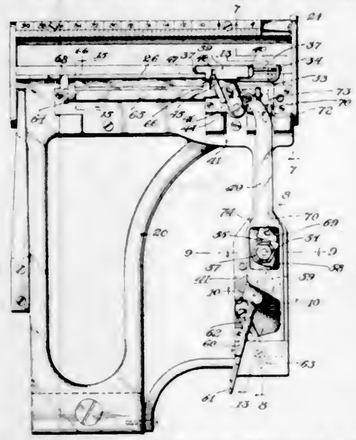
6. The combination, with a head having an upper passageway and a lower passageway with a partition between said passageways and a passageway communicating with the upper passageway between the front and the rear thereof and above said partition, of a tapered baffle extending downwardly within the upper passageway and located rearwardly of the third passageway, a pressure-fluid pipe communicating with the rear of the upper passageway, a pressure-fluid pipe communicating with the rear of the lower passageway, and a nozzle common to both passageways.

1,462,297. FOLDING BOX. JOSEPH R. MYERS, Chicago, Ill. Filed Aug. 16, 1920. Serial No. 403,720. 3 Claims. (Cl. 229—34.)



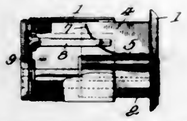
3. A folding box made from a single blank of chip lined boxboard and comprising bottom, side and end walls foldable into flat or distended positions, lines for bending being defined by slits in and confined to the chip side of said boxboard.

1,462,298. TYPE-LINE-CASTING MACHINE. FREDERICK W. NEUMAYER, Baltimore, Md. Filed Aug. 26, 1921. Serial No. 495,483. 12 Claims. (Cl. 199—29.)



1. In a device of the kind described having an assembling channel provided with a matrix supporting rail, an auxiliary matrix supporting rail movable laterally for projection into and retraction out of the channel, an extension on said auxiliary rail forming a gate and movable longitudinally thereof to increase and decrease the effective supporting length of said auxiliary rail, a finger lever mounted for pivotal and sliding movement, a connection between said lever and the extension arranged to shift said extension longitudinally of the auxiliary rail upon pivotal movement of the lever, and a connection between the lever and auxiliary rail arranged to move the rail laterally upon sliding movement of the lever.

1,462,299. CYLINDER LOCK. MARTIN J. O'CONNOR, Ogden, Utah. Filed May 16, 1922. Serial No. 561,270. 5 Claims. (Cl. 70—46.)



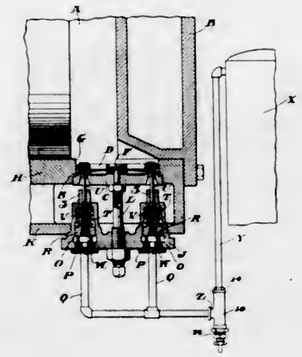
1. In a lock including a tumbler casing and a telescoping cylinder therefor, said cylinder being adapted to be screwed into a lock case, means in part carried by said tumbler casing and in part by said cylinder for automatically locking said casing and said cylinder, such means permitting longitudinal movement in one direction only between said casing and cylinder.

1,462,300. CLIP GUIDE. WILLARD H. PARROTT, Los Angeles, Calif. Filed July 10, 1922. Serial No. 573,930. 9 Claims. (Cl. 101—415.)



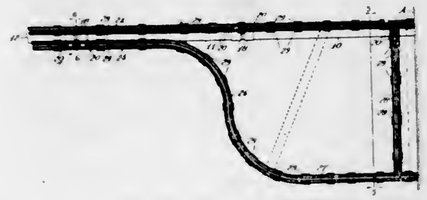
1. A clip of the character described comprising a base forming a front abutment surface and having ears extending laterally beyond said surface with the front edges of said ears in alinement with said surface, said base being adapted to be received upon a printing press top sheet with said ears extending through and beneath the same.

1,462,301. PLATE-VALVE UNLOADER. FREDERICK W. PARSONS, Elmira, N. Y., assignor to Ingersoll-Rand Company, Jersey City, N. J., a Corporation of New Jersey. Filed Sept. 18, 1922. Serial No. 588,918. 3 Claims. (Cl. 230—24.)



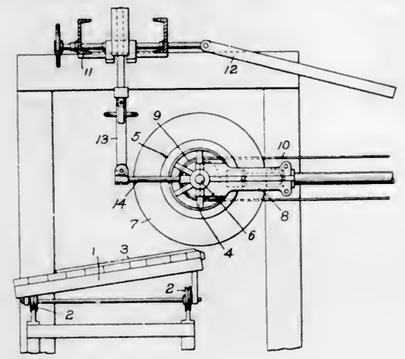
3. A plate valve unloader, comprising a plate valve and its seat, stop plate and stud, adapted to lie in a valve opening in the cylinder wall of a compressor, a valve cover over the valve seat having a stud for holding the plate valve structure to its seat in the wall of the compressor, a plurality of piston chambers in said valve cover, hollow pistons in said chambers, retracting springs within the said chambers adapted to be compressed by the pistons, plungers carried by the pistons and adapted to hold the said plate valve open, and springs in said hollow pistons tending to hold said plungers outwardly.

1,462,302. SLIDING DOOR AND TRACKS THEREFOR. ELLIS J. G. PHILLIPS, Aurora, Ill., assignor to Richards-Wilcox Manufacturing Company, Aurora, Ill., a Corporation of Illinois. Filed Sept. 25, 1922. Serial No. 590,466. 5 Claims. (Cl. 20—19.)



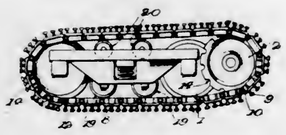
1. In combination, two overhead tracks that are parallel and adjacent for a portion of their length, one of said tracks near one of its ends curving away from the other track and terminating in a straight end portion that is parallel with said other track, a plurality of doors, and two carriers for each door that respectively travel upon said tracks, each of said doors having means extending beyond one of its faces for effecting a swiveling connection with a carrier on one of the tracks and means extending beyond the other of its faces for effecting a similar connection with a carrier on the other track.

1,462,303. BEVELED-GLASS-POLISHING MACHINE. BENJAMIN REHM, Crystal City, Mo., assignor to Pittsburgh Plate Glass Company, a Corporation of Pennsylvania. Filed Sept. 3, 1918. Serial No. 252,310. 1 Claim. (Cl. 51—168.)



In combination in a glass bevel polishing apparatus, a polishing disc of felt, clamping plates on opposite sides of the disc engaging the inner portion thereof, and substantially parallel supporting rollers mounted opposite each other on opposite sides of the disc in engagement with the portion thereof lying outward from said clamping plates and adapted to prevent spreading of the edge of the disc.

1,462,304. TRACTOR. RAY P. SAFFOLD, Bisbee, Ariz. Filed Jan. 7, 1920. Serial No. 349,849. 3 Claims. (Cl. 105—215.)

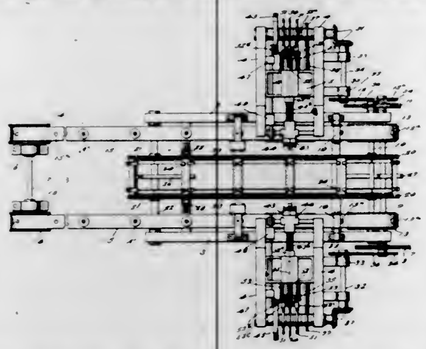


3. The combination with a car truck, running wheels, an axle and a pinion on said axle, of a shaft on said truck, a gear wheel on said shaft, a pinion on said shaft, a gear meshing with the pinions on said axle and shaft, and a continuous self laying track adapted to pass over said running wheels and gear wheels.

1,462,305. APPARATUS FOR APPLYING HEADS TO MUSIC-ROLL TUBES. WALTER SNYDER, Newark, N. J., assignor of one-half to Robert L. Hatfield, Newark, N. J. Filed Nov. 21, 1921. Serial No. 516,650. 11 Claims. (Cl. 144—14.)

1. Apparatus for applying flanged heads to roll tubes, comprising means for successively presenting and holding tubes in a fixed position, carrier means having seats for tube heads positioned adjacent the tube ends when the tube is in such fixed position, said seats having

openings therethrough, gripper means, push rods acting through the openings in said seats to move the heads



into engagement with said gripper means, and means for causing said gripper means to apply the heads to the tubes.

1,462,306. PLASTICISER FOR CELLULOSE PLASTICS. ARCHIBALD D. ST. JOHN, Maplewood, N. J. Filed May 22, 1922. Serial No. 562,813. 5 Claims. (Cl. 106—37.)

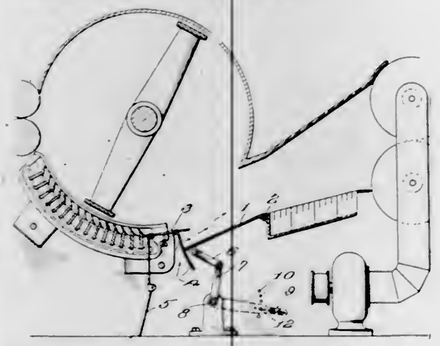
4. A plasticiser, a mixed cresyl-phenyl-phosphate, liquid at normal temperature and pressure.

5. A plasticiser, a compound, the probable structure of which is

$$\left.\begin{matrix} C_6H_4CH_3 \\ C_6H_5 \\ C_6H_5 \end{matrix}\right\}PO_4$$

and a liquid at ordinary temperature which boils with not more than slight decomposition at atmospheric pressure at about 400 degrees C.

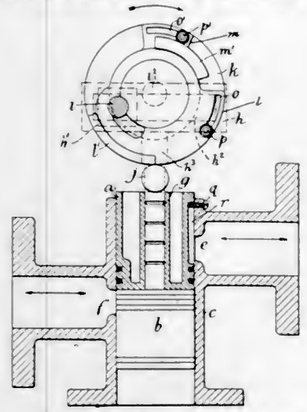
1,462,307. DAMPER-CONTROLLING MEANS FOR COTTON-PICKING MACHINES. AMASA ST. ONGE, Providence, R. I. Filed Aug. 11, 1922. Serial No. 581,150. 5 Claims. (Cl. 19—95.)



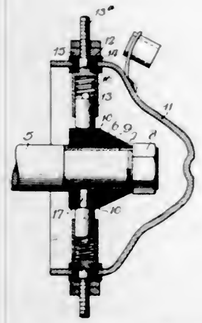
1. In a cotton picking machine, a grid, a second grid spaced therefrom, a perforated baffle plate adjacent the first grid, a damper plate supported at one end by the second grid, and engaging the baffle plate, and means for adjusting said damper plate.

1,462,308. FORCE PUMP. MONTAGUE WILLIAM TUTT, London, England, assignor of one-half to Hulburd Engineering Company, Limited, London, England. Filed July 25, 1922. Serial No. 577,405. 6 Claims. (Cl. 103—38.)

1. A force pump comprising a cylinder having inlet and outlet ports, a pair of plungers reciprocable therein, means for retaining the upper or outer plunger stationary for a portion of the inward and downward strokes, and for moving the said plungers together for the remaining portions of the stroke so as to draw in a charge between the plungers, and expel it therefrom, the movement of one plunger being effected by the movement of the other plunger, and means for varying the time in the cycle of operation during which the upper or outer plunger is held stationary, to vary the capacity of the pump.



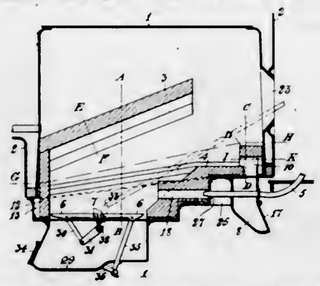
1,462,309. TIMER. ERNEST VON HAMBACH, Chicago, Ill., assignor to Herbert D. Lafferty, Oakland, Calif. Filed Mar. 29, 1920. Serial No. 369,478. 2 Claims. (Cl. 200—26.)



1. In a timer, a central shaft adapted to be rotated, a sleeve of insulating material carried by said shaft, an electrical contact extending through said sleeve, a housing surrounding said sleeve, a plurality of brush holders mounted in said housing, brushes mounted in said holders, and spring means for forcing said brushes into engagement with said rotating sleeve, said sleeve having at one end thereof a cone-shaped surface which serves to cam the brushes radially outwardly during assembling.

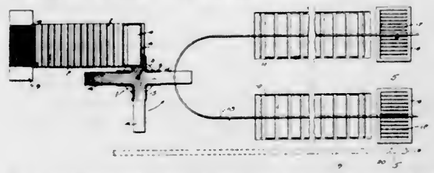
1,462,310. FURNACE FOR PULVEROUS FUEL. KARL HJALMAR VILHELM VON PORAT, Stockholm, Sweden, assignor to Motala Verkstads Nya Aktiebolag, Motala Verkstad, Sweden, a Corporation. Filed Nov. 4, 1919. Serial No. 335,629. 12 Claims. (Cl. 110—28.)

1. In a furnace for different kinds of fuel, the combination of a combustion chamber, a firing opening in the rear end wall of said chamber, an arch dividing said chamber into an upper and a lower compartment communicating with each other at the rear part of the chamber, a grate in the front part of the the bottom of the chamber, said arch projecting rearwardly beyond the said grate, the rear part of the bottom of the chamber being composed of refractory material, and means for causing one kind of fue to flow from the rear part of the chamber first forwardl.



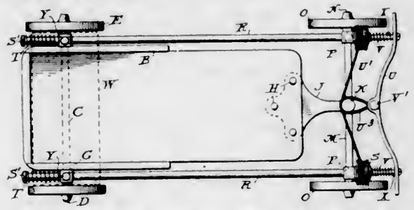
to the front end of the lower compartment, then rearwardly to the rear part of the upper compartment and then forwardly along the upper side of the arch before escaping from the chamber.

1,462,311. PIPE-FORMING PLANT. DAVID L. WILLIAMS, Bessemer, Ala. Filed May 19, 1920. Serial No. 382,472. 1 Claim. (Cl. 22—20.)



In a pipe forming plant, a molding platform comprising a base, a turntable mounted to revolve on said base, said turntable comprising a hub, and a plurality of radial arms extending therefrom, said arms being of substantially uniform width and adapted to support molding flasks, and retaining means comprising plates secured to the sides of said arms and projecting above the surface, said plates being adapted to contact with the sides of the flasks to retain them in position.

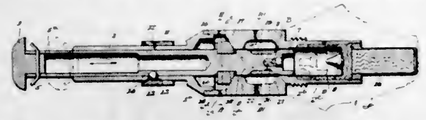
1,462,312. COASTING VEHICLE. WILLIAM THOMAS WOOD, Nashville, Tenn. Filed May 5, 1922. Serial No. 558,691. 3 Claims. (Cl. 280—88.)



1. A vehicle of the character described, consisting of a body or platform, a rear axle carrying wheels and rigidly secured to said body, a front axle carrying wheels and pivotally mounted with reference to said body, a pair of uprights formed on said front and rear axle and in normal position being in line, and a pair of sliding rods mounted in said uprights for turning the front pivoted axle to guide said body.

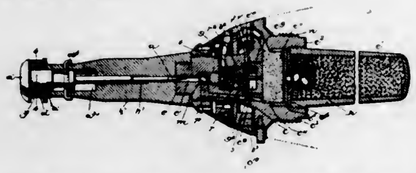
1,462,313. DETONATING FUSE. JOHN H. WOODBERRY, U. S. Army. Filed Dec. 10, 1918. Serial No. 266,144 14 Claims. (Cl. 102—39.) (Filed under the act of Mar. 3, 1883, 22 Stat. L., 625.)

2. The combination with a fuse for projectiles, of a plunger detonator moving from a non-functioning to a functioning position, a centrifugally movable locking device deterring the movement of said plunger to functioning position, said device lying on a surface oblique to the axis of rotation of the projectile, the obliquity of said surface



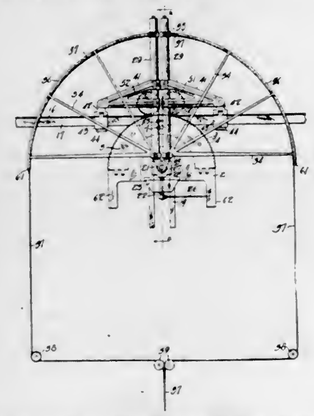
and the inertia of said device and said plunger being effective to prevent said device from moving centrifugally during the acceleration period of the projectile in the bore of the gun.

1,462,314. FUSE. JOHN H. WOODBERRY, U. S. Army. Filed Dec. 10, 1918. Serial No. 266,146. 1 Claim. (Cl. 102—39.) (Filed under the act of Mar. 3, 1883, 22 Stat. L., 625.)



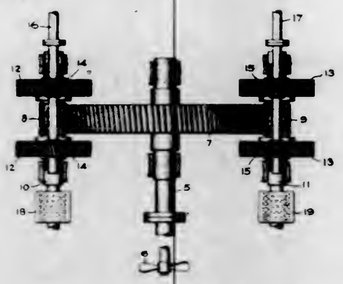
In a combined time and percussion-detonating fuse, the combination, with a concussion-plunger, carrying a primer, and a stationary firing pin cooperating with said primer, of a percussion-primer disposed in front of said first mentioned primer, and a nose detachably secured to the front end of said fuse and carrying a firing pin cooperating with said percussion primer.

1,462,315. BENDING MACHINE. MEADER R. AKEY, Sacramento, and HERMAN KATZ, Oakland, Calif. Filed Aug. 5, 1919, Serial No. 315,488. Renewed Dec. 14, 1922. 5 Claims. (Cl. 153—46.)



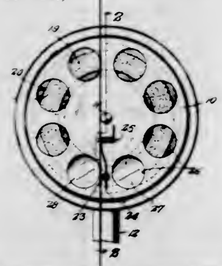
1. In a machine for bending steel shapes, a bed plate, a form adapted to be seated on said bed plate, a second plate pivotally arranged on said bed plate for movement in a vertical plane for securing and supporting the form, a pair of arms mediately mounted on said bed plate for pivotal movement in both horizontal and vertical planes, a roller arranged on each arm in engagement with the shape on said form, means for moving each arm in a horizontal plane to cause the rollers to press the shape against the form, and means for moving the arms and second plate in the vertical plane to permit the bent shape to be removed from the form.

1,462,316. GEARING FOR MARINE PROPULSION AND THE LIKE. KARL ALQUIST, New York, N. Y. Filed Mar. 19, 1920. Serial No. 367,158. 2 Claims. (Cl. 74—7.)



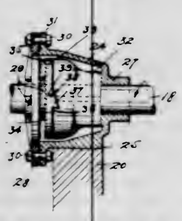
1. In a ship propulsion gearing, the combination of a propeller shaft, a low speed gear wheel mounted thereon, said gear wheel having single helical teeth of an angle of the order of five degrees, a high speed pinion, an intermediate speed shaft carrying a low speed pinion, and a high speed gear wheel which mesh with said low speed gear wheel and high speed pinion respectively, said high speed pinion and high speed gear wheel being of the double helical type and said low speed pinion being of the single helical type for meshing with the low speed gear wheel, and a thrust bearing for said intermediate speed shaft to take the axial thrust of the single helical low speed pinion.

1,462,317. WHIRLIGIG. LOUIS V. ARONSON, Newark, N. J. Filed Mar. 30, 1923. Serial No. 628,802. 5 Claims. (Cl. 46—14.)



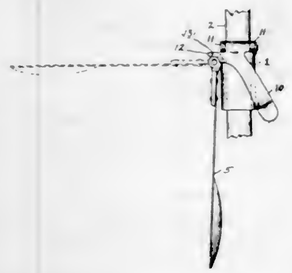
1. A whirligig comprising, in combination, a member having an opening, a covering of colored translucent material for said opening, a pyrophoric material holding device adjacent said opening, a circular band of abradant material, means to cause relative movement of revolution between said device and band whereby sparks may be produced to show through said colored material.

1,462,318. BACKSTOP FOR ELEVATORS AND THE LIKE. EMIL A. BEYL, Minneapolis, Minn. Filed Feb. 27, 1922. Serial No. 539,796. 11 Claims. (Cl. 188—82.)



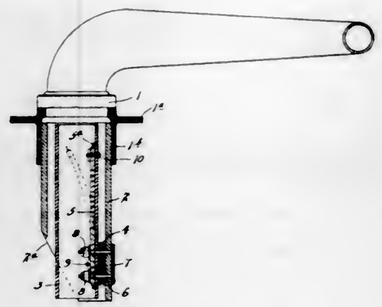
1. The combination with a fixed member and a rotary driving member, of an interposed clutch member, said driving member and clutch member having reversely acting ratchet surfaces that are always in engagement and said fixed member and clutch member having ratchet acting surfaces that are disengageable and engageable, respectively, by forward and rearward movements of said driving member.

1,462,319. SIGNAL DEVICE FOR VEHICLES. JOHN P. BROPHY, Cleveland, Ohio. Filed July 20, 1921. Serial No. 486,045. 1 Claim. (Cl. 116—32.)



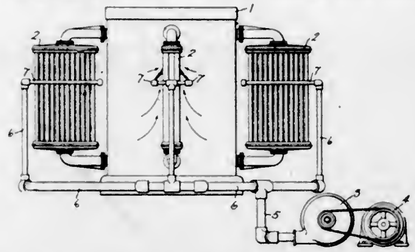
In a device of the character described, the combination of an inverted U-shaped support adapted to be clamped onto the upper edge of the side of an automobile body or door, a signal arm pivotally attached to the outer side of said support for movement about an approximately vertical axis, a torsion spring associated with said arm adapted normally to retain the same in inactive position against the side of the automobile, a cam face on the inner end of said signal arm, a lever pivotally attached to the upper side of said support for movement about a transverse axis, and a depending cam finger upon said lever adapted to engage the cam face upon said signal arm to swing the same into active position when said lever is forced downwardly.

1,462,320. TONE MODIFIER FOR SOUND-REPRODUCING MACHINES. FRED W. COOLEY, Minneapolis, Minn. Filed Sept. 28, 1921. Serial No. 503,896. 15 Claims. (Cl. 181—27.)



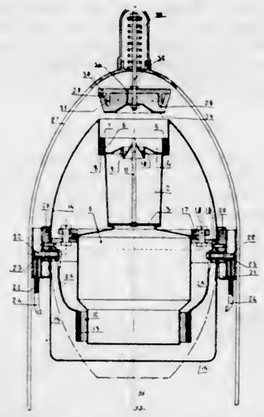
1. The combination with the tone arm of a sound reproducing machine, of a resonant tube spaced therefrom and located where the sound waves will pass therethrough on their way from the arm to the sound chamber and a tension device placing said tube under tension, said device comprising a resilient member secured adjacent both ends to the inside of said tube and covered with a yielding material.

1,462,321. METHOD AND MEANS FOR COOLING ELECTRICAL APPARATUS. LOCKE H. BURNHAM, Pittsfield, Mass., assignor to General Electric Company, a Corporation of New York. Filed Jan. 20, 1922. Serial No. 530,738. 4 Claims. (Cl. 62—170.)



1. In a method for cooling a radiating surface, the step which consists in inducing and directing a plurality of jets of air through and in contact with a surrounding body of air and toward the radiating surface, the paths of said jets being at acute angles to the general plane of the surface, whereby air from said surrounding body of air is carried with the air of the jets along said surface in front of the jets.

1,462,322. COFFEE MAKING OR BREWING MACHINE. VITTORIO CASOLETTI, Turin, Italy. Filed Nov. 3, 1920. Serial No. 421,558. 6 Claims. (Cl. 219—43.)



2. A coffee making or brewing machine comprising a kettle, a filter chamber carried by and communicating with the kettle, supporting means on the kettle adapted to permit rotation of the latter, a heat accumulator mounted on the kettle, an electrical resistance mounted on the accumulator, an electrical conductor, and means controlled by the rotation of the kettle to connect and disconnect the conductor and resistance.

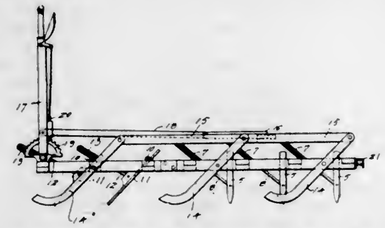
1,462,323. STAR NAMER. CHARLES W. COMPTON, Worcester, Ohio. Filed Aug. 18, 1922. Serial No. 582,769. 1 Claim. (Cl. 35—3.)

In a device of the character described, the combination with a rotatable map disk of a celestial hemisphere, having time and astronomical indicia imprinted thereon, of a stationary platform for said disk to rotate upon, a support rod for said platform adjustable to point to the north pole of the heavens, a dial ring and a horizon ring mounted above said disk independently thereof, in engagement with said platform; a rotatable standard pivoted above said support rod, in line therewith, an arm pivoted on said standard its outer end adapted to swing thereon vertically, a sight-rod or pointer mounted upon said outer end, a reverse S-shaped groove or track on said standard with an arm pivoted at the center of the upper arc thereof, and a flexible metal band mounted on



said track, having its upper end in operative engagement with said arm, and its lower or outer end free to extend outwardly from the base of said standard, said outer end being adapted to swing said standard rotarily and to be drawn in and out to points on said map, substantially as set forth and for the purpose specified.

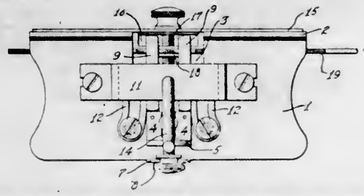
1,462,324. HARROW. RILEY M. CROWDER, Holland, Ky., assignor of one half to Charles L. Wood, Holland, Ky. Filed Nov. 26, 1920. Serial No. 426,499. 4 Claims. (Cl. 55—153.)



1. A harrow comprising resiliently mounted teeth, a resiliently supported panel to coact therewith, and means for limiting swinging movement of the teeth and panel.

3. In a harrow a block having an opening and provided at the forward end of its opening with a chamfered surface, a soil treating member pivoted in the block and extending through the opening and adapted to engage the forward end thereof when in a vertical position and adapted to engage the chamfered surface when inclined with relation to the block, a spring connected with the block, and a rod pivotally connected with the member and entering the spring and engaging the same.

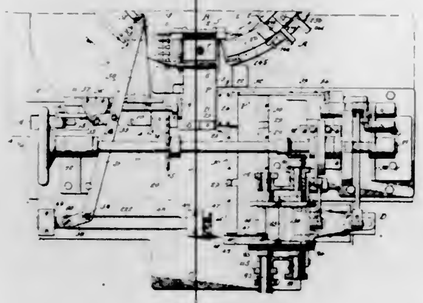
1,462,325. SAW-TOOTH DRESSER, JOINTER, AND GAUGE. MICHAEL DALLENBACH, Ridgway, Pa. Filed Dec. 22, 1921. Serial No. 524,157. 17 Claims. (Cl. 33—202.)



1. A saw tooth dressing mechanism comprising a plate; a gauge-arm support operatively associated with

the plate; cooperating gauge-arms operatively associated with the support, one portion of an arm having a swinging movement in relation to the support and an instrumentality for moving the gauge-arm support with relation to the plate, operatively associated with the support and plate.

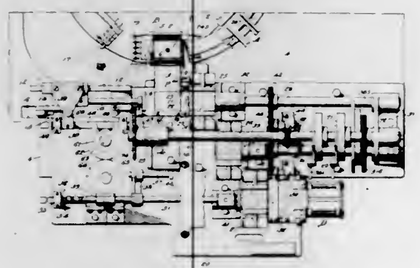
1,462,326. CIGARETTE-POUCH-PACKAGING MECHANISM. HILARION DE ESCOBALES, Brooklyn, N. Y., assignor to H. Escobales Co. Inc., New York, N. Y., a Corporation of New York. Filed Feb. 4, 1921. Serial No. 442,404. 45 Claims. (Cl. 93—2.)



1. Mechanism for applying pouch wrappers to embryo cigarette packages and arranged for co-operation with a cigarette packaging machine comprising an intermittently moving rotary horizontal mold table provided with pockets in which the embryo packages are formed and means for moving the completed embryo package from the pockets at one station to a delivery point, said mechanism comprising means for applying pouch wrappers to the successive embryo packages, means for folding the wrappers into pouch form about the packages, and means arranged for connection with an operative part of said machine for moving the embryo packages from said delivery point to said pouch wrapper applying means.

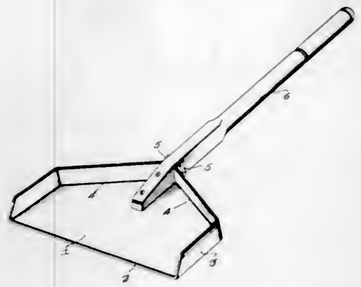
26. The combination with a machine for forming and initially wrapping and successively delivering cigarette packages at a discharge point, of means for automatically gumming and applying cup wrappers to successive packages delivered by said machine.

1,462,327. CIGARETTE-POUCH-PACKAGING MECHANISM. HILARION DE ESCOBALES, Brooklyn, N. Y., assignor to H. Escobales Co. Inc., New York, N. Y., a Corporation of New York. Filed Feb. 4, 1921. Serial No. 442,405. 24 Claims. (Cl. 93—2.)



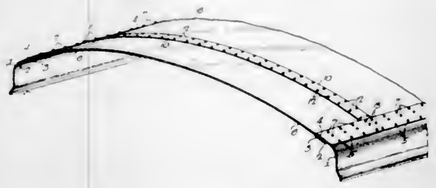
1. Cup wrapper applying mechanism arranged as an attachment for a cigarette packaging machine in which initially wrapped cigarette packages are successively delivered, said mechanism comprising means for automatically forming cup wrappers about successive packages delivered by said machine, and rotary transfer means for moving the packages from the machine discharge point to said cup wrapper applying means.

1,462,328. SCOOP. CONRAD C. DE JONG, Wessington Springs, S. Dak. Filed Mar. 30, 1921. Serial No. 457,161. 2 Claims. (Cl. 294—55.)



1. An implement of the class described comprising a blade having a rectilinear sharpened front edge and parallel side walls with the edge of the rear portion of the blade converging toward the midwidth thereof, an upstanding flange around said side edges and rear edge with a break at the apex of the rear edge and provided at said point with laterally spaced outturned handle engaging ears, and a handle to engage the rear end of the blade, said handle being located between said ears and fixedly secured thereto and to the body of the blade.

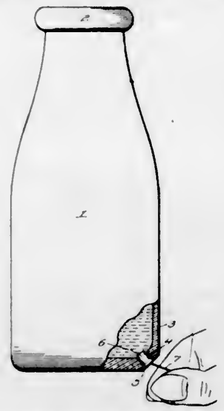
1,462,329. CONSTRUCTION OF VEHICLE ROOFS. CHARLES F. DENNIS, Cleveland, Ohio, assignor to The J. G. Brill Company, Philadelphia, Pa., a Corporation of Pennsylvania. Filed Dec. 14, 1921. Serial No. 522,384. 3 Claims. (Cl. 296—137.)



1. The combination in a vehicle roof structure, of a frame having two longitudinal letter panels extending at the side and over part of the roof, the portions of each panel at the roof being depressed to form a flange; a veneer plate extending the full length of the flange of each letter panel and secured at one edge to said panel; carlines connecting the flanges of the two panels; and roofing sections extending from one side of the vehicle to the other side thereof and resting on the flanges of the letter panels and under the veneer plates.

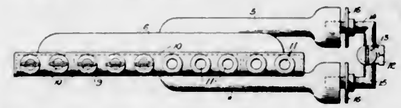
1,462,330. MILK BOTTLE. RAY DUNN, Tipton, Iowa. Filed May 6, 1922. Serial No. 559,021. 4 Claims. (Cl. 215—1.)

1. The combination with a bottle-like container having an inclined orifice tapered with respect to the horizontal and the vertical, of a removable tapered stopper having its longitudinal central axis inclined in like manner to



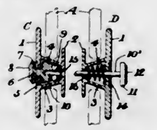
both the central and transverse axis of the bottle and located at the lower diagonal corner of the bottle.

1,462,331. GAS BURNER. JOHN FESTA, Brooklyn, N. Y. Filed Mar. 31, 1921. Serial No. 457,208. 4 Claims. (Cl. 158—105.)



3. In a gas burner, the combination of a plurality of horizontally disposed gas supply pipes on the same plane, an elongated burner pipe on a plane above the supply pipes and divided by partitions into end and middle sections, a mixing tube beneath the middle section and communicating with the latter and one of the supply pipes, a second mixing tube communicating with the end burner pipe sections and a second supply pipe, and burners for the various sections.

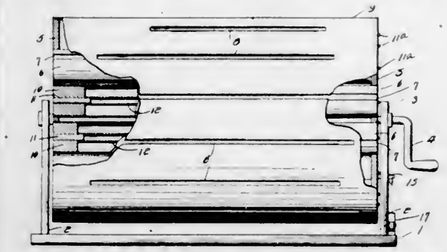
1,462,332. SEPARABLE BUTTON. IGNATIUS FRIED, Mobile, Ala. Filed Jan. 25, 1923. Serial No. 614,829. 4 Claims. (Cl. 24—101.)



1. A separable button comprising two similar hollow parts, a movable member within one part which has a central bore, ball carrying openings, and a head located outside of said hollow part, balls in said openings, and a pin passing through the other hollow part and normally spring pressed outwardly, but adapted to enter the central bore and be firmly gripped by said balls when the two parts are pressed toward each other.

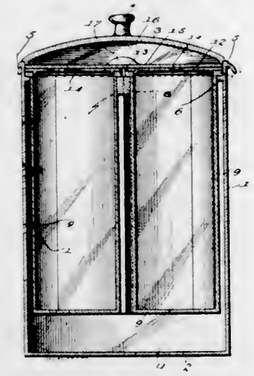
1,462,333. ROLL FABRIC HOLDER. JOHN GIRARD, Thomaston, Conn. Filed Aug. 26, 1921. Serial No. 495,461. 1 Claim. (Cl. 211—18.)

A roll holder and display cabinet comprising a support, spaced disks rotatably mounted by said support, said disks having spaced openings around their outer edges, cylinders supported at their ends by said disks and extending between the same, the ends of said cylinders received in the openings in the disks, said cylinders having longitudinal slots in their outer sides, blocks in the ends of said cylinders, means carried by said blocks for supporting a fabric supporting coil within each of said cylinders, said blocks being of different length to vary the effective length of the cores and extending inward from the outer ends of the cylinders to



reinforce the same at their point of connection with the disks, a metallic casing surrounding said disks and supported thereby, said casing having longitudinally extending slots registering with the slots in the cylinders, the edges of the slots in the casing being folded around the edges of the slots in the cylinders to present a smooth surface to the fabric, and certain of the core supporting means carried by the blocks being adapted to be rotated to wind fabrics onto the cores.

1,462,334. STERILIZING CONTAINER. GILBERT MENDENHALL GROSS, Eldorado Springs, Mo. Filed Mar. 24, 1922. Serial No. 546,388. 2 Claims. (Cl. 215—6.)

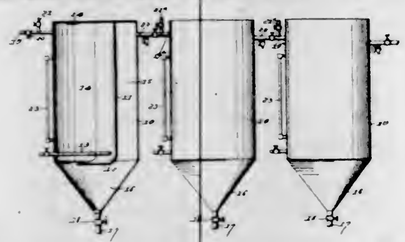


1. In combination, a container casing consisting of a cylindrical body closed at its lower end and an arched removable lid for the upper end thereof, a plurality of cells adapted to lie in juxtaposed spaced relation within the container casing, means within the container casing for removably supporting the cells within the casing in spaced relation to one another and to the bottom and side walls of the container casing, a removable closure for the upper end of each cell, and a closure fitting within the container casing at the upper end thereof to rest upon the closures of the said cells.

1,462,335. APPARATUS FOR TREATING GASOLINE. THOMAS A. GROSS, Frederick, Okla. Filed July 14, 1920. Serial No. 396,303. 1 Claim. (Cl. 210—58.)

An apparatus for the treatment of gasoline and like liquids consisting of a plurality of units of which each consists of a cylindrical receptacle having a partition arranged therein and terminating short of the bottom

and deflected laterally to provide a baffle, the partition dividing the receptacle into main and auxiliary compartments, a perforated coil adapted for connection to an air supply and disposed in the main compartment above said baffle, the receptacle being formed with a funnel



shaped bottom by which communication between the two compartments is effected, a draw-off pipe at the apex of the funnel, an inlet disposed at the top of the main compartment, and an outlet means in the auxiliary compartment.

1,462,336. BROODER. JOHN HALE, Reedsville, Wis. Filed May 5, 1921. Serial No. 466,895. 5 Claims. (Cl. 119—34.)



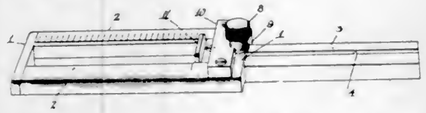
1. A brooder comprising a water container including a water space and a centrally disposed air passage, a cover pivoted to the container for controlling said passage, a pair of semi-circular head plates mounted on the container and each provided with a depending flange surrounding and spaced from said container and each further provided with vertical supports, a pair of semi-circular vertically movable suspension plates arranged below and adjustably connected to said head plates, tufts depending from said suspension plates, a slitted apron depending from said flanges and disposed concentrically with respect to said container and forming in connection with said head plates a hover, means to provide a hot water supply communicating with said container, and said container formed with cross pipes to provide for the circulation of air.

1,462,337. ELECTRICAL INSTRUMENT. CHESTER I. HALL, Fort Wayne, Ind., assignor to General Electric Company, a Corporation of New York. Filed Apr. 13, 1920. Serial No. 373,549. 8 Claims. (Cl. 171—308.)



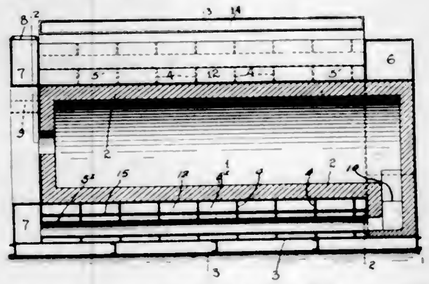
1. An electrical instrument comprising a pair of flat bi-metallic members adapted to be bowed in response to a variation in thermal conditions, a support for one of said members near its end, a pivotal support for the other of said members near its end, an electric heating coil for one of said members, said members being so proportioned and arranged that the pivotally mounted member rotates in response to a difference in their thermal conditions, and means for indicating the rotation of said pivotally mounted member.

1,462,338. TYPOGRAPH MECHANISM. CHARLES A. HARMS, Indianapolis, Ind., assignor, by mesne assignments, to Ludlow Typograph Company, Chicago, Ill., a Corporation of Illinois. Filed Nov. 3, 1919. Serial No. 335,425. 6 Claims. (Cl. 199—1.)



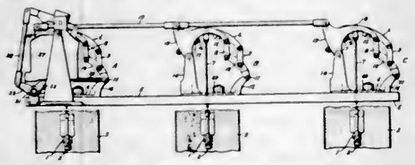
1. A holder for matrix-bars of the character described, comprising an independent member formed with an elongated opening adapted to receive a number of such bars transversely disposed therein, and a bar disposed longitudinally of the opening in said member and movably secured to the latter so as to be adapted to quad out any desired portion of such opening.

1,462,339. AIR HEATER. BURT S. HARRISON, Brooklyn, N. Y., assignor to Drying Systems, Inc., Chicago, Ill., a Corporation of Illinois. Filed Dec. 28, 1920. Serial No. 433,640. 5 Claims. (Cl. 126—104.)



1. In a device of the character described, the combination of a horizontal combustion chamber, a plurality of horizontal ducts for the gases of combustion positioned around the combustion chamber, a plurality of baffle plates separating the said ducts into sections and adapted to direct the gases of combustion through successive sections of said ducts, a fresh air duct, a heating chamber and an annular dividing plate in said heating chamber whereby the fresh air is brought into contact with heating surfaces of progressively higher temperature.

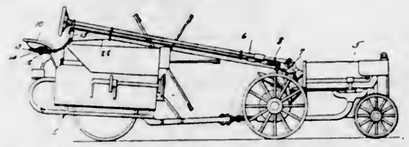
1,462,340. ELECTRIC SWITCH. HERMAN J. H. HUBER, Schenectady, N. Y., assignor to General Electric Company, a Corporation of New York. Filed Sept. 19, 1918. Serial No. 254,824. 21 Claims. (Cl. 200—153.)



10. In an electric switch, the combination with cooperating fixed and movable contacts, a mechanism for controlling said contacts, an energy storing means associated with said mechanism rendered operative in response to the movement of said mechanism to switch

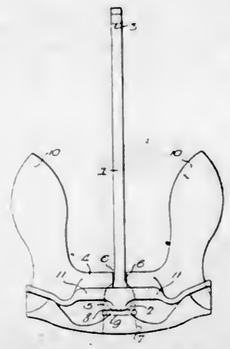
opening position for exerting a force on said mechanism in switch closing direction to substantially counterbalance the weight of said mechanism.

1,462,341. TRACTOR ATTACHMENT. VICTOR IVARSON, Cleghorn, Iowa, assignor to William F. Hutton, Cherokee, Iowa. Filed Apr. 16, 1920, Serial No. 374,338. Renewed June 11, 1923. 2 Claims. (Cl. 180—77.)



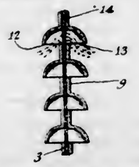
1. In a device for maintaining tractor controlling mechanisms on a trailer, the combination with a seat support for the trailer, a flat and longitudinally curved member which is detachably secured to the seat support, said member having at its forward end an upstanding tubular socket, a member having a post for movable engagement with the socket, said post having at its upper portion apertures for the passage therethrough and the support of tractor controlling rods.

1,462,342. ANCHOR. GEORGE H. JAMES, Philadelphia, Pa., assignor to American Engineering Company, Philadelphia, Pa., a Corporation of Pennsylvania. Filed Oct. 15, 1921. Serial No. 507,929. 1 Claim. (Cl. 114—208.)



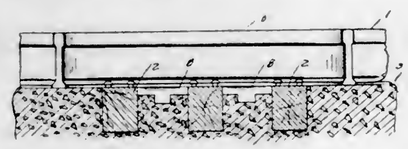
The combination in an anchor of a body formed with a socket having an annular recess in its wall, there being two openings into said socket of which one is circular and the other substantially rectangular in section; a shank having a head movably fitting the socket and including a portion of substantially rectangular section operative in the rectangular opening; with a spring ring in the annular recess normally holding the head in the socket.

1,462,343. VENTILATOR. THOMAS A. JENKINS, Jersey City, N. J. Filed Aug. 3, 1921. Serial No. 489,492. 2 Claims. (Cl. 98—31.)



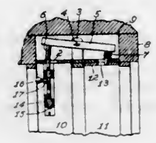
2. A ventilator element for building constructions and the like comprising two opposed complemental sheets of vitreous material having equally spaced openings, each of said sheets having its outer face provided with integral laterally projecting and depending curved louvers opposing said openings, each of said louvers having its top and sides closed, said louvers extending transversely of the sheets and providing means for directing air through the openings, means connected with the outer face of one of said sheets for shifting it relatively to the other, the portions of said sheets between the louvers being of a width to close the openings of the sheets when one sheet is shifted relatively to the other, and a stationary flat foraminous body interposed between said complemental sheets.

1,462,344. GUARD RAIL. AUGUST JOHNSON, Toivola, Minn. Filed May 20, 1922. Serial No. 562,282. 1 Claim. (Cl. 238—19.)



A guard rail having a plate formed integral therewith and at one side thereof and adapted to extend under the main rail and rest upon the ballast between the ties, said plate having a depression in its upper surface adapted to receive the base of the main rail and space the guard rail from the mail rail, and said plate extending longitudinally of the guard rail a distance equal to the distance between a pair of ties and adapted to having its side edges abut the opposed edges of a pair of ties, to prevent longitudinal movement of the guard rail relative to the main rail.

1,462,345. SASH FASTENER. JOHN KALTENBACH, Waterloo, Iowa. Filed July 3, 1922. Serial No. 572,686. 2 Claims. (Cl. 292—63.)

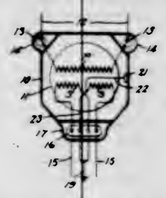


1. The combination of a slide-bolt adapted to be mounted on the lower sash of a window, a plate mounted over a recess in the window-jamb and having longitudinally-alined opposite holes adjacent both its longitudinal edges respectively in the paths of the lower and upper sashes, a plate mounted on the upper sash of the window having a longitudinal row of sockets in its face over one of said rows of holes, and resiliently-controlled rock-bodies mounted in the jamb-recess and having pins extending into the opposite holes in the plate, said slide-bolt when moved toward said plate pushing outwardly the pin alined therewith to rock its rock-body and push the other pin on said rock-body into an alined socket on the plate on the upper sash.

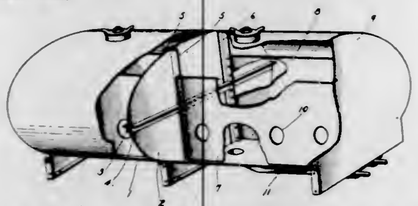
1,462,346. PROTECTIVE DEVICE FOR ELECTRICAL APPARATUS. CHARLES HOWARD KLINE, Pittsfield, Mass., assignor to General Electric Company, a Corporation of New York. Filed Feb. 16, 1921. Serial No. 445,439. 7 Claims. (Cl. 175—361.)

5. The combination with an encased electrical apparatus having a lead opening in its casing, of a bushing formed with an interior chamber having a perforated

wall, a lead in said bushing adapted for abnormal voltage discharge therefrom to said casing through the perforation in the bushing wall, and a spark gap device secured to a wall of said casing and having an electrical discharge connection to ground.

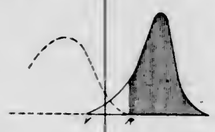


1,462,347. PARTITION SUPPORT AND SURGE PLATE. ANDREW A. KRAMER, Kansas City, Mo. Filed Apr. 14, 1920. Serial No. 373,978. 4 Claims. (Cl. 220—22.)



1. A tank, a pair of parallel transverse frames in the tank mounted in spaced relation, longitudinal surge plates in the tank connected to one of the frames, and to the tank, and a transverse dividing partition co-extensive with the cross sectional area of the tank and mounted between the frames so that the frames will receive any pressure communicated to the partition in either direction, the partition being solely supported by attachment to the tank.

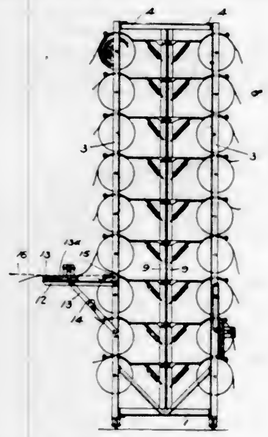
1,462,348. METHOD AND APPARATUS FOR PRODUCING COOL LIGHT. JOSEPH LYONS, Schenectady, N. Y., assignor to General Electric Company, a Corporation of New York. Filed May 5, 1922. Serial No. 558,601. 8 Claims. (Cl. 88—24.)



1. The method of illuminating a circumscribed region practically without heating the same, which consists in resolving an ordinary beam of light into an assemblage of its elementary constituent rays, diverting the dark heat rays from the assemblage and recombining the remaining rays in the region of illumination.

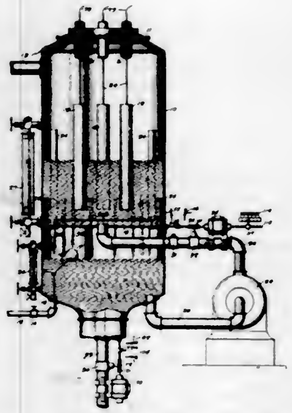
1,462,349. WIRE-CLOTH-DISPLAY ROLL RACK. CHARLES M. MCCARTHY, Minneapolis, Minn. Filed Sept. 14, 1921. Serial No. 500,598. 4 Claims. (Cl. 211—18.)

4. A wire screen rack having in combination, a frame having a vertical side and a side inclined toward the upper end thereof, said latter side having spaced vertical plates secured thereto, rolls of different lengths extending between said plates and said vertical side and journaled therein and adapted to carry sheet material, spring pressed means extending over said rolls to retard



rotation thereof, said sheet material being adapted to be pulled outwardly and unrolled from any of said rolls at the sides of the frame.

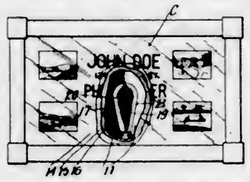
1,462,350. ELECTRIC STEAM BOILER. WILBUR L. MERRILL and HARRY A. WINNE, Schenectady, N. Y., assignors to General Electric Company, a Corporation of New York. Filed Feb. 15, 1922. Serial No. 536,665. 37 Claims. (Cl. 219—38.)



1. In an electric boiler, a shell, a feed water pipe for supplying water to it, an electrode chamber in the shell above the level of the water therein, one or more electrodes which project into the electrode chamber, a pump for supplying water from the shell to the electrode chamber, and means for regulating the pump to regulate the level of water in the electrode chamber.

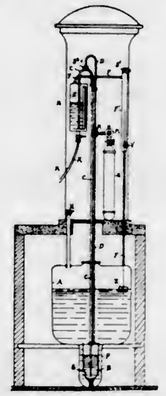
1,462,351. ILLUMINATED DISPLAY SIGN. WILLIAM J. MICHELSEN, Chicago, Ill. Filed Jan. 19, 1922. Serial No. 530,281. 4 Claims. (Cl. 40—132.)

4. In an illuminated display sign, a screen composed of a plain sheet of protecting glass, a photographic positive containing reproductions of printed matter and transparencies and a light diffusing eleemnt composed



of a single sheet of glass having both surfaces "etched" by means of acid, substantially as set forth.

1,462,352. SAFETY DISPENSING DEVICE. MARIUS FRANÇOIS MILLOT, Paris, France. Filed Sept. 5, 1919. Serial No. 321,954. 1 Claim. (Cl. 221—74.)



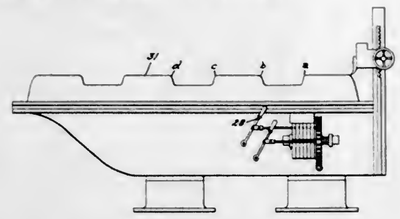
Apparatus for the storage and distribution of inflammable liquids comprising a main storage reservoir, an auxiliary receptacle supplied with liquid from said reservoir, a measuring vessel, a liquid raising column connecting the bottom part of the auxiliary receptacle with the bottom of the measuring vessel, a pipe connecting the top of the auxiliary receptacle with the top of the liquid raising column at a point above the measuring vessel, a three way cock in said pipe, and a flask containing an inert gas under pressure connected to said cock.

1,462,353. MANHOLE DOOR. GEORGE GORDON MUSTED, Partick, Glasgow, Scotland. Filed June 2, 1920. Serial No. 385,983. 3 Claims. (Cl. 220—25.)



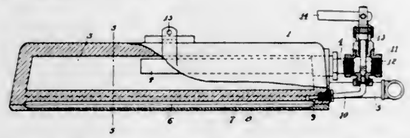
1. Manhole and like doors comprising tank or other plating, a door opening therein; a door plate; a "joggle" formed in said door plate concentric with the outer edge of same; a flat elevated rim part and a flat depressed central part in said door plate; a ring plate; a plurality of recesses in the outer surface of said ring plate and near the edge thereof; circular pendant walls, forming said recesses, projecting from said ring plate towards said door plate; bolts secured in said door plate and passing through the pierced bottoms of said recesses; nuta on said bolts located in said recesses; and an operating handle located under said ring plate within the open center part of same.

1,462,354. SPEED CONTROL FOR MACHINE TOOLS AND THE LIKE. BERTRAM S. PERO, Schenectady, N. Y., assignor to General Electric Company, a Corporation of New York. Filed Oct. 4, 1921. Serial No. 505,292. 7 Claims. (Cl. 172—240.)



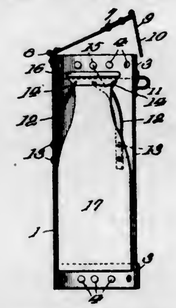
1. The combination with a machine tool or the like and an electric motor for driving the same, of means for automatically increasing and decreasing the speed thereof in accordance with the progress of the work and manually controlled means for changing the periods of increased and decreased motor speed while the machine is in operation.

1,462,355. PRESSING IRON. HERMAN W. PETH, Baltimore, Md. Filed Apr. 19, 1920. Serial No. 374,844. 2 Claims. (Cl. 68—26.)



2. A pressing iron comprising a body having a pressing face formed with a longitudinally extending groove extending throughout the length of the body, the bottom wall of said groove also being provided with a groove the ends of which are spaced from the ends of the body, a strip inserted in the groove in the body and having its upper face provided with a longitudinally extending groove the ends of which are spaced from the ends of the strip, the strip having openings leading from the groove thereof to the under side of the strip, and the groove in the strip with the groove in the body forming a channel, and means for admitting steam to such channel.

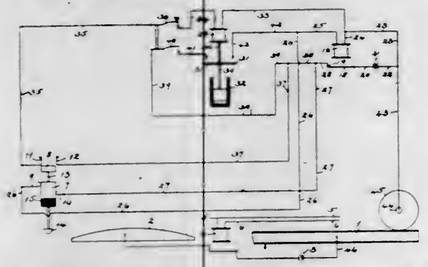
1,462,356. BOTTLE RECEPTACLE. THOMAS E. PETTY, Washington, D. C. Filed June 7, 1919. Serial No. 302,387. 1 Claim. (Cl. 282—41.)



A receptacle comprising a cylindrical tubular body having its ends open, a cover closing the upper end of said body, and a plurality of longitudinally extending resilient sheet metal gripping arms forming the only internal obstruction in said body secured to the body and

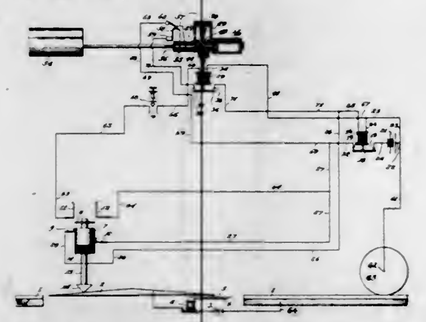
unconnected to the cover, the upper ends being free and gripping heads located in close proximity to the upper end of the body and being adapted to encircle and grasp the neck of a bottle inserted through the open bottom of said body, said heads being urged inwardly toward the longitudinal axis of said body by the resiliency of the gripping arms and being adapted to automatically release the bottle neck and permit its withdrawal through the top of the body, said body being of substantially the same diameter as the bottle to be gripped in order to prevent any releasing instrument from being inserted between the body and the bottle.

1,462,357. SPEED-CONTROL MECHANISM FOR VEHICLES. HAROLD V. RUDOLPH, Charlottesville, Va., assignor to American Automatic Train Control Corporation, Baltimore, Md., a Corporation of Maryland. Filed Feb. 3, 1920. Serial No. 355,993. 1 Claim. (Cl. 246—181.)



In a train control apparatus the combination with a vehicle having a controlling device, of a current supply on the vehicle; plural pairs of switch contacts and shoe actuating means therefor also on the vehicle; means to effect an operation of the shoe means as the vehicle travels; a normally closed circuit on the vehicle between the vehicle current-supply one pair of switch-contacts and the controlling means; a magnetic circuit-closer and means for retarding its action also on the vehicle; normally-open connections also on the vehicle and including the vehicle current supply another pair of said switch-contacts and the retarded magnetic circuit closer; and means for forming a substitute stick-circuit on the vehicle from the vehicle current-supply through the controlling-device when the said normally open connections are closed.

1,462,358. SPEED-CONTROL MECHANISM FOR VEHICLES. HAROLD V. RUDOLPH, Baltimore, Md., assignor to American Automatic Train Control Corporation, Baltimore, Md., a Corporation of Maryland. Filed May 14, 1921. Serial No. 469,437. 7 Claims. (Cl. 246—180.)



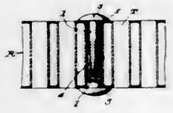
4. In a train control apparatus the combination with a vehicle having a stop device, of a current supply on the vehicle; means for normally maintaining the stop device from the vehicle current supply; a retarded circuit closer also on the vehicle; connections also on the vehicle for forming a stick-circuit from the vehicle current-supply through the said stop device when the retarded circuit closer has been actuated, and a signal device on the vehicle and operated when the stick circuit is closed.

1,462,359. BANJO TAILPIECE. ERNEST OLIVER WINSHIP and FREDERICK J. BACON, New London, Conn. Filed Mar. 10, 1921. Serial No. 451,114. 9 Claims. (Cl. 84—300.)



1. The combination with a stringed musical instrument having the usual complement of bass and treble strings and the usual bridge over which the strings are stretched, of means exerting inward pressure against the strings rearwardly of the said bridge and in decreasing degree from the treble to the bass side of the complement.

1,462,360. AUTOMOBILE-RADIATOR-REPAIR DEVICE. MAX ANCHELEVICH, Evansville, Ind. Filed July 26, 1921. Serial No. 487,808. 3 Claims. (Cl. 137—76)



1. A leak repair device for automobile radiators of the honeycomb type comprising a pair of oppositely extending telescopic and threadably engaging tapering tubular closure elements for insertion through opposite ends of a radiator tube and adjustable towards and away from each other, each of said elements having its outer end provided with an enlarged head constituting a closure for one end of the tube and each of said elements of less length than the length of the tube.

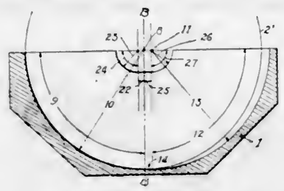
1,462,361. VAPORIZER FOR LIQUID FUEL. HARRY L. BLACKWOOD, Salem, Oreg. Filed Feb. 11, 1922. Serial No. 535,780. 8 Claims. (Cl. 158—53.)



8. A filler for the generator tubes of liquid fuel burners, consisting of a cylindrical core provided with an integral continuous right-hand helical rib and with an integral interrupted left-hand rib, spaces being left between the ends of the interrupted rib portions and the adjacent sides of the continuous rib to afford free passages for the fuel and the vapor, and the ends of the filler being also formed to provide free passages for the same.

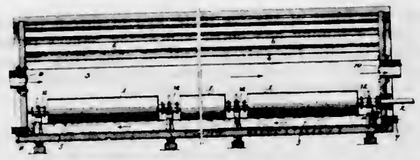
1,462,362. GLASSWORKING MOLD. CLYDE C. BOHNER, Chicago, Ill., assignor to General Electric Company, a Corporation of New York. Filed July 14, 1919. Serial No. 310,802. 4 Claims. (Cl. 49—69.)

1. A mold adapted for use in lathe type machines for blowing bulbs from rotating glass tubing and having a cavity which is substantially one-half of a surface of revolution corresponding to the shape of the bulb to be produced, said cavity extending out more on one side than on the opposite side of a longitudinal axis deter-



mined by the mounting for said mold, and arranged to coincide with the axis of rotation of said glass tubing.

1,462,363. METHOD OF AND APPARATUS FOR MAKING SPRAY FROM LIQUIDS AND COMMINGLING THE SAME WITH GASES. NIELS C. CHRISTENSEN, Salt Lake City, Utah. Filed May 27, 1919. Serial No. 300,185. 10 Claims. (Cl. 261—92.)

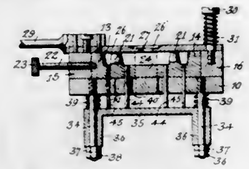


1. The method of spraying liquids which consists in revolving a rigid imperforate circular-cylindrical surface dipping slightly into a body of liquid with its axis substantially parallel to the upper surface of said body of liquid, at such a speed about its axis that liquid continuously carried out of said body on said cylindrical surface, is thrown from said surface as a rain of liquid drops forming a substantially continuous fan of spray radiating from said cylindrical surface.

6. In an apparatus for spraying liquid media, the combination of a rigid imperforate circular cylinder arranged to revolve about its axis with said axis in a substantially horizontal position; a container located beneath the cylinder for holding the liquid to be sprayed; means for maintaining the upper surface of the liquid at such level that the cylinder will dip to a slight extent only into the liquid; and means for revolving said cylinder at such a speed that the liquid in the container will be carried up therefrom on the outer surface of the cylinder and will be thrown from said surface as a rain of liquid drops forming a substantially continuous fan of spray radiating from said surface.

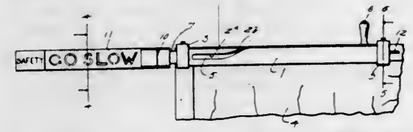
10. In an apparatus for securing an intimate mixture of gaseous medium and liquid spray concurrent with a countercurrent flow of said liquid and gaseous medium, which comprises in combination, an elongated rigid imperforate circular-cylinder arranged to revolve about a substantially horizontal axis; a housing for said cylinder, the walls whereof against which the spray is thrown stand substantially parallel to the axis of the cylinder; means for maintaining a body of liquid in the lower portion of the housing at such a level that the cylinder will dip slightly into said body; means for revolving said cylinder at such a speed that liquid will be carried up from the body on the outer surface of the cylinder and will be thrown from said surface as a rain of liquid drops forming a solid fan of spray filling the space within the housing; means for passing a current of gaseous medium through said housing in one direction parallel to the axis of the cylinder; and means for introducing liquid into the housing at one end and removing it at the opposite end so as to cause a flow of liquid through the housing in a direction opposite to the flow of said gaseous medium.

1,462,364. BATTERY-STRAP MOLD. THOMAS E. JONES, Peru, Ind., assignor of one-half to Lloyd M. Stump, Plymouth, Ind. Filed Mar. 1, 1922. Serial No. 540,254. 7 Claims. (Cl. 22—136.)



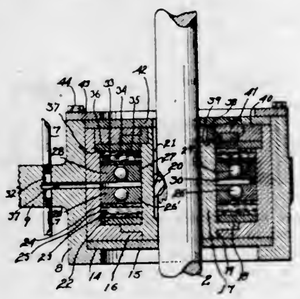
1. In a molding apparatus, a base having its upper face provided with a channel way formed with undercut walls, mold bodies cooperating one with the other and mounted on said base and further extended into said channel and undercut walls, blocks mounted on the base and extended into said channels and further into said undercut walls and having said bodies interposed therebetween, means carried by one of the blocks for clamping said mold bodies in operative position, and an ingate pivoted on the other of said blocks and movable to and from operative position over said mold bodies.

1,462,365. TRAFFIC SIGNAL. CHARLES F. KELLERMAN, Battle Creek, Mich. Filed Dec. 1, 1921. Serial No. 519,246. 6 Claims. (Cl. 116—50.)



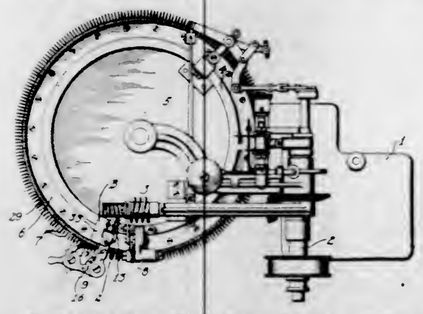
1. A signal of the class described comprising a signalling member having corresponding signal characters on opposite sides thereof, means to project and retract the signal member, and said means serving to operate said member to display one set of signal characters when the member is retracted and to display the second set of signal characters when the member is projected.

1,462,366. SUBMERGED BEARING. HENRY E. KELLOGG, Mountain View, Calif. Filed Nov. 21, 1921. Serial No. 516,581. 7 Claims. (Cl. 64—56.)



1. In combination, a shaft, a cylindrical member slidably mounted thereon to rotate therewith, and carrying outwardly extending spaced flanges, a fixed cylindrical member carrying flanges overlapping and engaging said first mentioned flanges, and a bearing inserted between said fixed and movable members and intermediate said spaced engaging flanges.

1,462,367. MACHINE FOR UNITING LOOPED FABRICS. PATRICK P. LA MONTAGNE, Bourbonnais, Ill., assignor, by mesne assignments, to Pope Machine Company, Kankakee, Ill., a Corporation of Illinois. Filed Feb. 17, 1922. Serial No. 537,216. 33 Claims. (Cl. 112—25.)



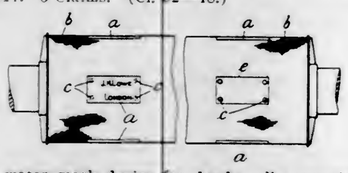
1. A machine for sewing looped fabrics, including a movable impaling-pin-support, impaling pins thereon, and a hosiery-stripping device normally extending beneath the pins and swingingly mounted for movement in a direction away from the pins while the support is in motion, such swinging movement being effected under abnormal conditions by an article carried by and moving with the pins.

1,462,368. TELEPHONE REPEATING SYSTEM. MARIUS LATOUR, Paris, France. Filed Apr. 28, 1923. Serial No. 635,280. 2 Claims. (Cl. 179—170.)



1. In an interurban telephone communication system, a transmission line consisting exclusively of two pairs of speech conductors, each pair including a uni-lateral amplifying repeater, a two-conductor subscriber's line at each extremity of the four-wire interurban line, and means located at the extremities of the pairs of speech conductors and operating concurrently to alternately branch said subscribers' lines to either pair of interurban conductors at a sufficiently high frequency to establish a two-way communication.

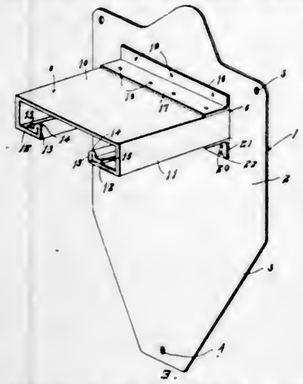
1,462,369. DANDY ROLL. JAMES HENRY LOWE, Basted, Boro' Green, England. Filed May 2, 1922. Serial No. 557,817. 6 Claims. (Cl. 92—48.)



1. A water-mark device for dandy rolls comprising a tablet adapted to carry a water mark and adapted to be fitted to the dandy roll, and two-part detachable fasteners carried by the back of said tablet and said roll whereby to removably attach the tablet to the dandy roll.

1,462,370. MILK-BOTTLE HOLDER. WILLIAM H. LYKINS, Sioux City, Iowa. Filed Jan. 28, 1922. Serial No. 532,427. 2 Claims. (Cl. 232—41.)

1. A milk bottle holder comprising a supporting plate, means for securing the plate to a support, said plate provided adjacent its upper end, centrally of its side longitudinal edges with an opening, a bottle supporting member comprising a rectangular plate having its opposite side longitudinal edges bent downwardly at right angles thereto, supporting flanges formed integrally with



said side edges of the top plate, and in spaced relation thereto, retaining and bottle supporting flanges formed integrally with the extreme ends of supporting flanges, and means for securing the bottle supporting member in the opening of the supporting plate.

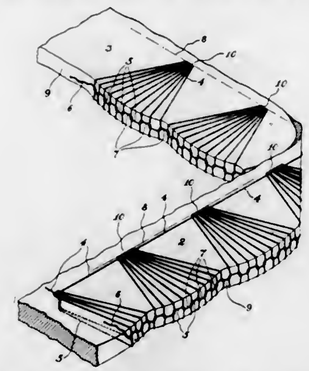
1,462,371. INDICATOR. NEWELL CHANDLER MCCONAHY, Tyrone, Pa. Filed Oct. 19, 1921. Serial No. 508,797. 1 Claim. (Cl. 116—129.)

In an indicator, the combination of a housing provided with an opening; a pointer movably mounted in said housing; a lever pivotally mounted in said housing; a closure plate attached to said lever and normally resting against said housing over its opening; means operated by said lever and adapted to move said pointer; a tubular casing attached to the outside of said housing; a flexible conduit adapted to be removably attached to said casing; and a reciprocable member independently housed in said conduit and said casing and adapted to be protruded into said housing through its opening and impinge against said plate to move said lever.

1,462,372. EDGING OR BORDER FINISH. JOSEPH M. MERROW, Hartford, Conn., assignor to The Merrow Machine Company, Hartford, Conn., a Corporation of Connecticut. Filed Oct. 8, 1921. Serial No. 506,514. 4 Claims. (Cl. 112—266.)

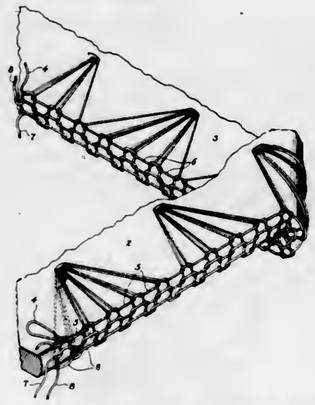
1. An ornamental border consisting of a strand or thread extending through the material at a distance from the edge thereof several times successively at practically the same point to form the apex of a cluster of loops, and from said point upon one side of the material in divergent looped form to or near the edge thereof, a second strand or thread extending upon the opposite side of the material in divergent looped form from the point of intersection

of the material by the primary thread to or near the edge of the material, the threads being interlocked at both ends of the loops, the points of intersection of the mate-



rial by the clusters of thread or strand loops being spaced at intervals, and one of the strands or threads extending substantially parallel with the edge of the material between the said points of intersection.

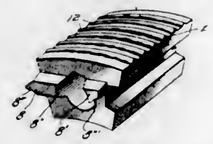
1,462,373. EDGING OR BORDER FINISH. JOSEPH M. MERROW, Hartford, Conn., assignor to The Merrow Machine Company, Hartford, Conn., a Corporation of Connecticut. Filed Feb. 8, 1922. Serial No. 535,017. 4 Claims. (Cl. 112—269.)



1. An ornamental border for a straight edge margin comprising a plurality of threads interlooped against said straight edge, one of said threads penetrating the material for a plurality of stitches at each of a series of points spaced from the margin, thus forming a succession of clusters, the loops of each cluster radiating from one of said points to said straight edge.

1,462,374. CONCRETE BLOCK. LEO VINCENT METZ, Erie, Pa. Filed Mar. 16, 1922. Serial No. 544,119 4 Claims. (Cl. 72—38.)

1. A concrete block comprising a body portion formed with a lengthwise opening and transverse groove at one end intersecting said opening, the uper and lower walls of said groove having curved portions forming continuations of the wall of said opening, said body portion further having its other end formed with a transversely extending split tongue conforming in contour to the contour of said transverse groove and with the inner side of each section of the tongue shaped to form a continuation of the wall of said opening, one of the sections of said split tongue projecting beyond one side of the body portion, said body portion further having one of its sides formed with a longitudinally extending tongue having one end integral with one of the sections of the transverse tongue and its

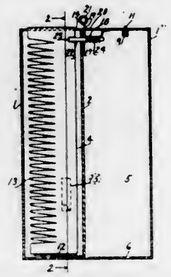


other end provided with a projection positioned at one end of the transverse groove, said body portion having at its other side a longitudinal groove conforming in contour to the shape of the longitudinal tongue and further formed with a projection at that end provided with a transverse groove, and said transverse tongues being undercut for seating on said projection.

1,462,375. PROCESS OF PREPARING CHEESE. GOTTFRIED MEYER, Verndale, Minn. Filed July 18, 1922. Serial No. 575,764. 3 Claims. (Cl. 99—11.)

3. The herein described process of preparing cheese which consists of comminuting already prepared cheese as a base, then adding natural milk thereto, then gradually heating the mass and constantly stirring the same until the product assumes a stringy, dough-like or elastic condition, and working the product by pulling until it assumes the proper consistency, then placing the product in cans which are sealed airtight and sterilized.

1,462,376. VANITY CASE. BENNIE F. OSTROWSKI, San Jose, Calif. Filed Jan. 25, 1923. Serial No. 614,861. 6 Claims. (Cl. 132—79.)



1. A vanity case comprising a body portion forming a receptacle, said receptacle having an orifice formed in one end thereof, a comb arranged in said receptacle and passing through said orifice, means for normally securing said comb in said receptacle, and means for partially ejecting said comb when said securing means is moved to an inoperative position.

1,462,377. PIPE CLAMP AND WRENCH. JOHN A. PAINTER, Hominy, Okla., and HARVEY GLENN MCCULLOUGH, Angola, N. Y. Filed Mar. 24, 1922. Serial No. 546,226. 4 Claims. (Cl. 81—54.)

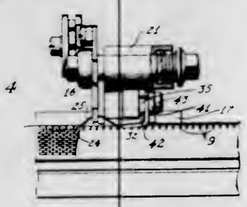
1. A device for the purpose set forth comprising a revolvable hollow annular body portion formed of a pair of sections hingedly connected at one end and detachably connected together at their other end, each of said body sections having the major portion of its inner face eccentrically disposed with respect to its outer face and formed with an inwardly extending

abutment at its hinged end, oppositely disposed segment shaped toothed gripping members each slidably positioned against the eccentric portion of the inner face of each section and normally positioned against an



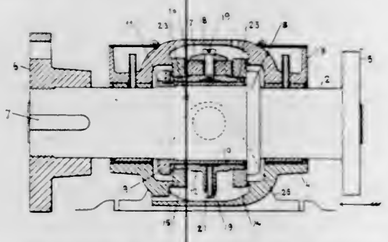
abutment, a bolt and slot connection between each gripping member and a body section intermediate the ends thereof, and means for detachably connecting one end of a gripping member to a body section when the other gripping member is active.

1,462,378. MACHINE FOR UNITING LOOPED FABRICS. EDISON E. RANDALL, Kankakee, Ill., assignor, by mesne assignments, to Pope Machine Company, Kankakee, Ill., a Corporation of Illinois. Filed Feb. 27, 1922. Serial No. 539,700. 31 Claims. (Cl. 112—252.)



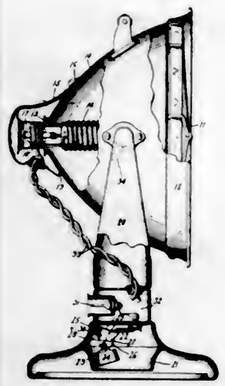
1. A machine for sewing looped fabrics, including a movable impaling pin support, impaling pins arranged thereon and traveling therewith, stitch-forming mechanism for securing together the impaled fabric loops by forming a line or chain of stitches therein and above the impaling pins, continuously-operated chain raising and severing mechanism juxtaposed to the path of travel of the pins, and a chain-curling device associated with said mechanism.

1,462,379. ROLLER BEARING. TURE GUSTAF RENNERFELT, Stockholm, Sweden. Filed Apr. 15, 1922. Serial No. 553,061. 10 Claims. (Cl. 64—50.)



1. The combination of a shaft, a flange thereon, another flange threaded on the shaft, two racerings rotatably mounted on the shaft between the flanges, a yoke journalled on the shaft, a plurality of rollers mounted in the yoke in contact with the racerings, and a lid fastened to the yoke in contact with the end surface of a roller.

1,462,380. ELECTRIC HEATER. EARL H. RICHARDSON, Ontario, Calif., assignor, by mesne assignments, to Majestic Electric Development Company, a Corporation of California. Filed Apr. 2, 1920. Serial No. 370,734. 6 Claims. (Cl. 219—34.)

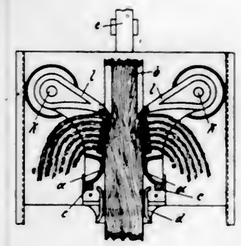


1. An electric heater comprising a concave reflector having an axial opening therethrough, a support at the rear of the opening and a heating unit within the reflector and carried by said support, the part passing through the opening being spaced from the reflector.

1,462,381. WATERPROOFING COMPOSITION. ALBERT SCHMIDT, Paris, France. Filed Oct. 31, 1922. Serial No. 598,199. 1 Claim. (Cl. 134—15.)

A waterproofing composition comprising chlorinated mineral wax and turpentine as a solvent thereof.

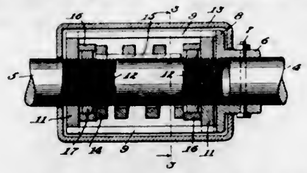
1,462,382. GRIPPING DEVICE FOR LIFTS AND THE LIKE. PAUL SCHÖNFELD, Bochum-Weitmar, Germany. Filed Aug. 24, 1921. Serial No. 494,962. 9 Claims. (Cl. 187—86.)



5. In a gripping device for lifts in combination, a cage, a grip jaw connected with said cage, a wooden rail adapted to be gripped by said jaw, a plurality of superposed cutting teeth on said jaw spaced apart so as to allow chips of wood to pass between them, a projection on said jaw and a stop on said car adapted to cooperate with said projection in limiting the gripping motion of said jaw.

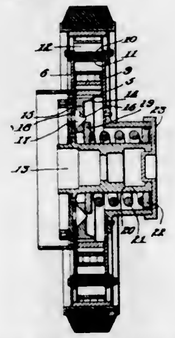
1,462,383. RESILIENT TRANSMISSION. BENJAMIN F. SEYMOUR, Washington, D. C. Filed June 7, 1919. Serial No. 302,413. 4 Claims. (Cl. 64—100.)

1. In a resilient shaft transmission, the combination of a driving element, a driven element, a spring associated with one of said elements, oppositely adjustable collars for tensioning the spring, and means connected



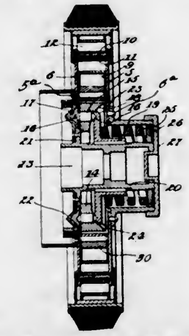
with the other of said elements for actuating said adjustable collars, substantially as set forth.

1,462,384. COMBINED RESILIENT BEARING AND TRANSMISSION. BENJAMIN F. SEYMOUR, Washington, D. C. Filed Nov. 8, 1919. Serial No. 336,632. 6 Claims. (Cl. 152—45.)



1. In a combined resilient transmission and bearing for vehicle wheels the combination of a hub portion, a wheel rim mounted in bearing relation to the hub adapted to have limited radial movement thereon, a ring mounted to have axial movement on the rim and provided with wedge elements fixedly mounted, wedge elements on the hub co-operable with said ring wedge elements, and resilient means normally holding said wedge elements in co-operative relation, substantially as set forth.

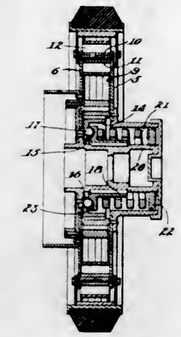
1,462,385. COMBINED RESILIENT BEARING AND TRANSMISSION. BENJAMIN F. SEYMOUR, Washington, D. C. Filed Dec. 3, 1919. Serial No. 342,285. 8 Claims. (Cl. 152—45.)



1. In a combined resilient transmission and bearing for vehicle wheels the combination of a hub portion, a wheel rim mounted to have limited radial movement thereon, a plurality of members having wedge elements

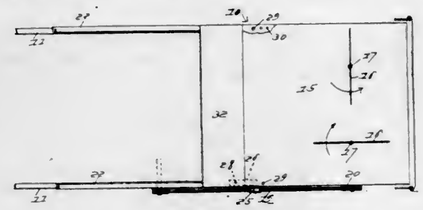
mounted on the wheel rim, fixed and movable wedge elements on the hub co-operable with said rim wedge elements, and resilient means normally holding said wedge elements in co-operative relation, substantially as set forth.

1,462,386. COMBINED RESILIENT BEARING AND TRANSMISSION. BENJAMIN F. SEYMOUR, Washington, D. C. Filed Dec. 3, 1919. Serial No. 342,286. 3 Claims. (Cl. 152—45.)



1. In a combined resilient transmission and bearing for vehicle wheels, the combination of a hub portion having side plates, a wheel rim mounted to have limited radial movement between said side plates, said rim provided with a plurality of centrally disposed flanges disposed in bearing relation against one of said side plates; a collar axially movable on the hub, complemental recesses formed in said flanges and the collar, anti-friction bearings fitting in said recesses, and tensioning means associated with said collar and the rim, substantially as set forth.

1,462,387. STRAW SPREADER FOR HARVESTING AND THRASHING MACHINES. BUDD E. SLADE, Cozad, Nebr. Filed June 26, 1922. Serial No. 570,809. 2 Claims. (Cl. 275—8.)

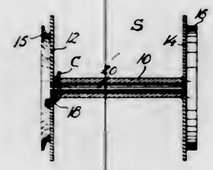


1. A straw spreader having a main frame provided with means for attachment to a harvester, a sub-frame mounted upon the main frame for adjustment longitudinally of the path of progress of the harvester and carrying a distributing platform for receiving the discharge from the thresher mechanism, opposed rotary fans mounted to traverse the surface of the platform, and means actuable by the harvester for communicating rotary motion to the fans.

1,462,388. IRON SPOOL FOR WIRE CABLES OF OIL WELLS. ELLSWORTH F. SMITH, Denver, Colo. Filed Sept. 26, 1921. Serial No. 503,293. 2 Claims. (Cl. 242—117.)

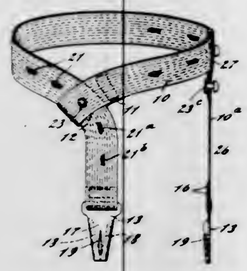
1. A metal spool comprising a drum having a bore for ready reception of a shaft, a head integrally secured to each end of the drum, and a pulley integrally secured to one head for the reception of a rope or belt, said

pulley having a diameter sufficiently smaller than the diameter of the head that said head will serve as a guide for the rope or belt and will prevent the same from



riding up on the periphery of said head, the pulley itself being one-sided, the side of the respective head serving as the other side of the pulley.

1,462,389. GARMENT SUPPORT. MAX SONNENFELD, New York, N. Y. Filed Dec. 30, 1920. Serial No. 433,979. 9 Claims. (Cl. 241—6.)



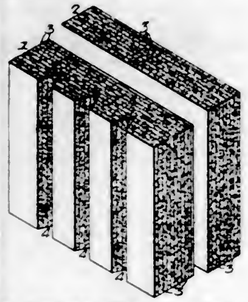
1. A garment support comprising a web having ends, one end formed into a closed loop consisting of the web and the other end provided with a fastening device adapted to be threaded through said loop and provide a projecting portion and means associated with the loop and web for adjustably securing said loop to the web in definite relation and for adjusting the length of the projecting portion.

1,462,390. SELF-SERVICE-STORE DIRECTORY. OLAF STAVIG, Seattle, Wash. Filed May 25, 1922. Serial No. 563,563. 6 Claims. (Cl. 40—64.)



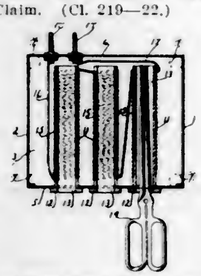
1. A sign of the class described consisting of a frame, a transverse rail on said frame, a sign board insertable into said frame, fastening means on the sign board to engage said rail, a closure bar below said rail, and said closure bar and rail being spaced apart to permit access to said fastening means for operation.

1,462,391. BRAKE BLOCK. ROBERT J. STOKES, Trenton, N. J., assignor to Thermoid Rubber Company, Hamilton Township, N. J., a Corporation of New Jersey. Filed July 7, 1921. Serial No. 482,991. 3 Claims. (Cl. 188—250.)



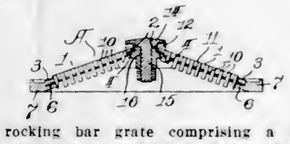
2. A curved bearing block consisting of layers of asbestos fabric and a vulcanizable binder, the face of the block having tapered, parallel grooves, the fabric, at and near the face of the block, being cut to expose the ends thereof at the grooves.

1,462,392. ELECTRIC HEATER. ERVE C. STRICKLAND, San Jose, Calif. Filed Feb. 9, 1922. Serial No. 537,344. 1 Claim. (Cl. 219—22.)



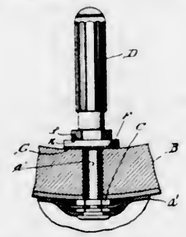
A device of the character indicated comprising a stand of heat conducting material having a closed top and ventilating means arranged in the upper part of its side portions, a plurality of tubular elements arranged in a horizontal plane within said stand, each tube having an open end communicating with the front of said stand whereby to receive pleating irons, and heating elements wound around said tubes and operatively arranged in an electrical circuit, the front of said stand extending a distance above the top thereof and having a plurality of notches formed therein adapted to receive and support the handle end of the pleating irons when not in use or in said tubes.

1,462,393. FURNACE GRATE. ROBERT E. STURMAN, Delano, Minn. Original application filed July 18, 1917, Serial No. 175,384. Divided and this application filed Jan. 29, 1919. Serial No. 273,910. 5 Claims. (Cl. 126—176.)



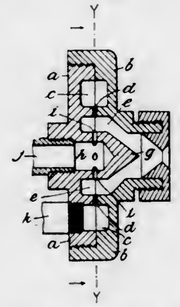
1. A rocking bar grate comprising a plurality of tapered grate bars provided at their ends with trunnions, fixed means for supporting said grate bars in radial arrangement, upstanding lugs formed on the innermost trunnions of said grate bars and an oscillatory head journalled in said supporting means having means adapted to engage said upstanding lugs to rock the grate bars.

1,462,394. DUST CAP. GEORGE W. TERRY, Nashville, Tenn. Filed Nov. 11, 1922. Serial No. 600,312. 8 Claims. (Cl. 152—12.)



1. In combination with a felly, a valve stem, a washer supported on said felly and having grooves formed in one face, a dust cap, and a spring permanently attached to said dust cap adapted to seat in one of said grooves.

1,462,395. CONSTRUCTION OF SPRAYING NOZZLES OR ATOMIZERS. HERBERT ALEXANDER THOMPSON, North Shields, England, assignor of one-half to Smith's Dock Company Limited, South Shields, England, a Corporation of Great Britain. Filed June 12, 1922. Serial No. 567,653. 15 Claims. (Cl. 158—76.)

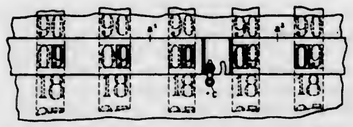


1. A spraying nozzle or atomizer for use in dealing with liquid fuel for combustion purposes comprising the combination of a central outlet chamber, two annular supply chambers disposed coaxially, tangential discharge passages leading in converging directions from said annular supply chambers into said outlet chamber so that the jets of discharged fluid meet in said outlet chamber.

1,462,396. PORCELAIN. CHESTER C. TREISCHEL, Schenectady, N. Y., assignor to General Electric Company, a Corporation of New York. Filed June 8, 1921. Serial No. 476,084. 3 Claims. (Cl. 106—11.)

1. A raw batch for a porcelain mix comprising beryl as a component.

1,462,397. CALCULATING MACHINE. FRANZ TRINKS, Brunswick, Germany. Filed Aug. 2, 1920. Serial No. 400,833. 5 Claims. (Cl. 235—73.)



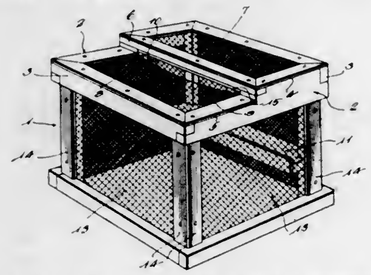
1. In a calculating machine, the combination with the setting mechanism, of a registering mechanism and its numeral wheels provided each with two series of numbers disposed in opposite order and displaced from each other, and a plurality of displaying means adapted for conjoint cooperation with all the numeral wheels and for independent cooperation with a part of said numeral wheels.

1,462,398. AUTO APPLIANCE. PAUL E. VAN NOSTRAND, Lyons, Nebr. Filed Oct. 24, 1921. Serial No. 509,813. 1 Claim. (Cl. 240—1.)



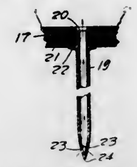
In a device for the purpose set forth, the combination of an adjustable and extensionable handle, comprising two portions; one of which is provided with a longitudinal central bore that extends from one end to a point slightly beyond the longitudinal center thereof; and the other of said portions being adapted to enter the bore of the first portion, a ferrule surrounding one end of the second portion, and a comparatively short portion of the second portion extending slightly beyond the ferrule, brackets secured on the comparatively short portion, illuminating means secured in the brackets, a yoke formed integral on one end of the arm, and a mirror adjustably secured in the yoke and adapted to be positioned at various angles with respect to the handle portions, arm and illuminating means.

1,462,399. TRAP. NORMAN V. WALLIS, San Antonio, Tex. Filed Oct. 16, 1922. Serial No. 594,807. 6 Claims. (Cl. 43—65.)



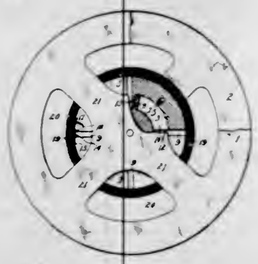
1. A trap comprising a cage having a yieldable side wall formed of two sections disposed in spaced planes, having an entrance opening between them through which the prey may enter by springing one section away from the other section, the edge of the latter along said entrance opening being provided with a stiffening bar, and an inwardly extending flange carried by said bar and extending in spaced relation to the inner side edge of the other section.

1,462,400. COMB AND BRUSH. ALICE N. WARREN, Reno, Nev. Filed Apr. 22, 1922. Serial No. 556,125. 3 Claims. (Cl. 15—155.)



1. A vacuum brush or the like, comprising a body portion and a plurality of tubular teeth carried by the body portion and communicating therewith, each of the teeth being provided near their outer end with oppositely disposed and upwardly converging openings.

1,462,401. REEL FOR CINEMATOGRAPH FILM AND THE LIKE. EDWARD JOHN WAY, Johannesburg, Transvaal, South Africa, assignor to Bioscope Improvements Limited, Johannesburg, Transvaal Province, South Africa, a Company of the Transvaal Province. Filed Sept. 14, 1922. Serial No. 588,257. 3 Claims. (Cl. 242—74.)



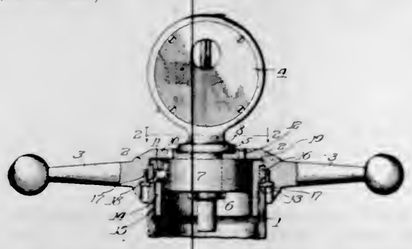
1. A reel for cinematograph film and the like consisting of two cheeks, core segments mounted for radial movement on one cheek, a cone on the other cheek adapted to enter and expand said core, and co-acting parts on the cheeks locking the same for rotational movement and also against axial separation, said parts being arranged thus to co-act upon relative rotational movement of the cheeks after the core has been fully expanded by the cone.

1,462,402. RAILWAY-FREIGHT-CAR DOOR. CHARLES E. WEBSTER, Winthrop, Minn. Filed July 20, 1922. Serial No. 576,317. 9 Claims. (Cl. 20—30.)



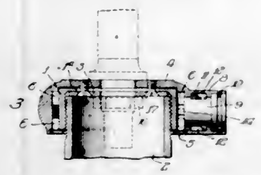
1. A collapsible closure including a plurality of disconnected boards arranged in vertical alinement with their longitudinal edges in abutting relation, the outer ends of these boards bearing against the car body, and a sustaining member cooperable with the opposite ends of the boards, said member having a retractable retainer co-operating with the lowermost boards to permit removal thereof when it is desired to discharge the grain from the car, whereby to permit collapsing of the entire structure.

1,462,403. AUTOMOBILE RADIATOR ATTACHMENT. JOHN F. WHITE, Chicago, Ill., assignor to White Products Company, Chicago, Ill., a Corporation of Illinois. Filed Sept. 18, 1920. Serial No. 411,255. 20 Claims. (Cl. 70—90.)



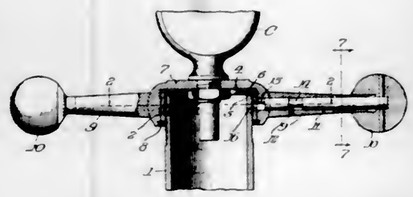
13. An automobile radiator attachment comprising a rotatable cap, a bushing rotatably mounted therein, means frictionally engaging said members to restrain them against relative rotation, said bushing being equipped with means for effecting its attachment to a suitable mounting by rotary movement, and manipulative means housed by the cap for engaging the bushing to permit rotation thereof by the cap.

1,462,404. THEFT-PREVENTING DEVICE. JOHN F. WHITE, Chicago, Ill., assignor to White Products Company, Chicago, Ill., a Corporation of Illinois. Filed Oct. 25, 1920. Serial No. 419,402. 13 Claims. (Cl. 70—90.)



6. In a theft preventing device, the combination of a retaining member adapted for connection with a suitable mounting by rotary movement, an operating member housing the retaining member and rotatably mounted thereon, and a connecting member protectively housed by the operating member for engagement with the retaining member to permit rotation of the latter by the operating member, said operating member including a concealed portion effective to lock the connecting member out of engagement with the retaining member.

1,462,405. THEFT-PREVENTING DEVICE. JOHN F. WHITE, Chicago, Ill., assignor to White Products Company, Chicago, Ill., a Corporation of Illinois. Filed Oct. 29, 1920. Serial No. 420,549. 19 Claims. (Cl. 70—90.)



11. In an automobile radiator closure, the combination with a nipple of a cap adapted to form a closure therefor, said cap having symmetrically arranged laterally extending arms whereby it may be rotated on the nipple, and engaging means for securing the cap to the nipple, said engaging means including a lock member housed in one of said arms and an operating member engageable at the outer extremity of said arm for operating said lock member.

1,462,406. COUPLING. JOSEPH ZAJIC, Jersey City, N. J. Filed Feb. 3, 1922. Serial No. 533,892. 3 Claims. (Cl. 24—126.)

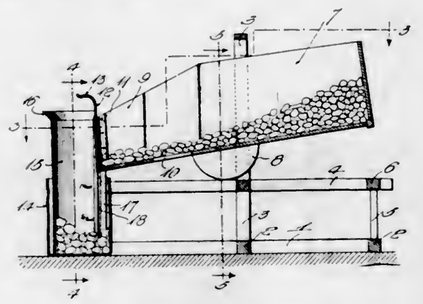
1. A coupling of the class described including tapered coupling ends, means connecting the ends with each other and clamp rings on said ends, the said ends being tapered externally and the clamp rings having a corresponding taper and said ends having axial bores for the passage of elements to be coupled from the outer ends through the

said bores to the inner ends, the opposed bases of said ends being separated to present a clearance space per-



mitting of the elements to be coupled being return bent on to the tapered exterior of said ends to extend through the clamping ring.

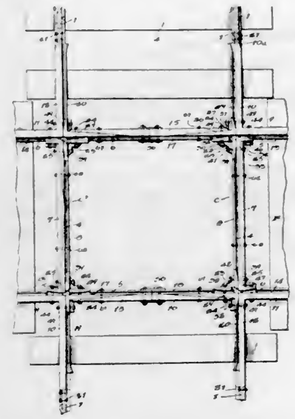
1,462,407. DISPENSING AND MEASURING DEVICE. OSCAR HAUENSTEIN, Uniontown, Pa. Filed July 27, 1922. Serial No. 577,953. 4 Claims. (Cl. 226—47.)



1. A dispensing and measuring device comprising a container having a spout extension open at its outer end, an open ended measure having its side provided with a longitudinally extending inlet opening, and means for slidably and pivotally connecting said measure with the outer end portion of the spout of said container.

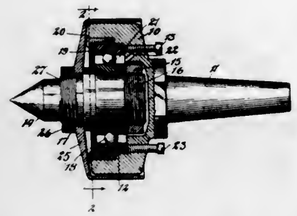
1,462,408. RAILWAY CROSSING. JAMES PAUL HOUK, Mountain Grove, Mo. Filed Jan. 24, 1923. Serial No. 614,712. 8 Claims. (Cl. 246—273.)

1. A railway crossing of the character described comprising pairs of spaced apart rails lying in planes intersecting at right angles, each of said rails comprising fixed alined rail sections terminating short of each other at the intersection of the plane of said rail with the plane of one of the rails disposed at right angles thereto, a substantially T-shaped bridge member associated with each of said rails, spring means acting on said bridge member continuously to urge the body of the latter into position to close the gap between adjacent ends of adjacent fixed sections of the rail and the head of the bridge member against the intersecting rail, said head being adapted to be actuated by the flange of a car



wheel traversing the intersecting rail and moved out of position to close the gap between said fixed rail sections.

1,462,409. LATHE CENTER. DE WITT E. HOWARD, Ridgewood, N. J. Filed Feb. 25, 1922. Serial No. 539,246. 4 Claims. (Cl. 82—33.)

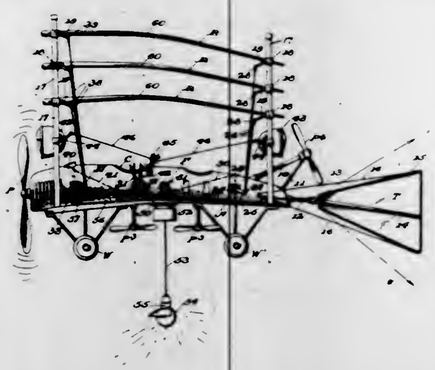


1. A lathe center of the class described, comprising a hollow body, a raceway ring tightly mounted in said body, a work receiving spindle having a raceway ring tightly mounted thereon, a plurality of ball bearings interposed between said raceway rings for rotatably mounting the work receiving spindle in the body, means carried by the work receiving spindle for protecting the raceway and body, and a plurality of screws projecting through the body wall and engaging with the outer raceway ring to serve as a means for forcing said ring out of the body.

1,462,410. AEROPLANE. LYLE JACOBY, Paris, Ky. Filed Oct. 27, 1922. Serial No. 597,414. 3 Claims. (Cl. 244—12.)

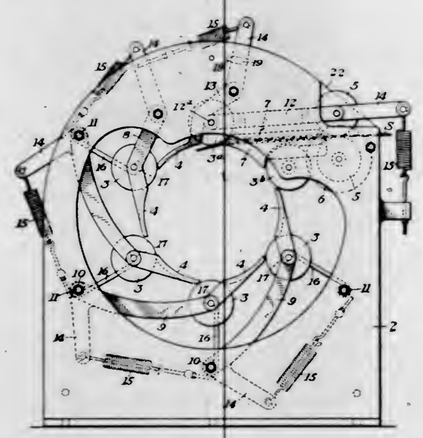
1. An aeroplane construction comprising a supporting plane, a plurality of uprights carried thereby, said uprights being preferably four in number and two arranged at the rear end of the supporting plane and two at the forward end thereof, a plurality of collars carried by each of said uprights and freely slidable thereon, a plurality of planes superposed with relation to each other and arranged longitudinally of said aeroplane, said planes being disposed between the pair of posts occurring at the rear end of the aeroplane and also between the pair of posts occurring at the forward end of the aero-

plane, connecting means between the collars and planes adapted to permit the similar ends of the planes to be



adjusted with respect to each other and combined push rod and lever means operable from the aeroplane whereby the planes may be adjusted.

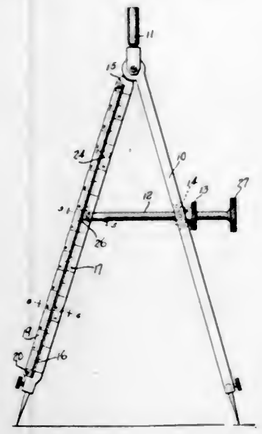
1,462,411. REEL. LANE JOHNSON, Ingram, Pa., assignor to United Engineering and Foundry Company, Pittsburgh, Pa., a Corporation of Pennsylvania. Filed Dec. 2, 1922. Serial No. 604,488. 12 Claims. (Cl. 242—78.)



1. In a reel, a supporting frame, and a plurality of strip guiding devices forming a substantially enclosed circular unobstructed coiling space and adapted to cooperate with a strip fed to said reel and form the same into a series of superimposed convolutions, said guiding devices being movable outwardly under the action of the material being coiled, substantially as described.

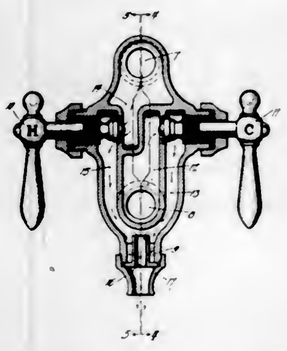
1,462,412. COMPASSES. UNO JOHNSON, Brooklyn, N. Y. Filed Dec. 21, 1921. Serial No. 523,969. 10 Claims. (Cl. 33—148.)

1. A compass including a plurality of legs movable with respect to each other, one of said legs being hollow, a scale associated with said leg, and means associated with said hollow leg and actuated upon said legs being



moved with respect to each other for registering the movement of one of said legs with respect to the second of the same.

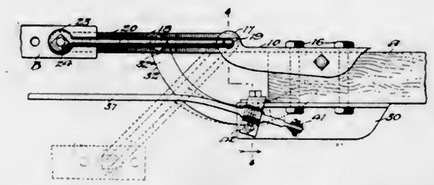
1,462,413. COMBINATION FAUCET AND MIXING NOZZLE. SAMUEL KERSTEN, Chicago, Ill. Filed Mar. 24, 1921. Serial No. 455,210. 4 Claims. (Cl. 277—18.)



1. A mixing faucet comprising a body having upper and lower intakes and an outlet, left and right hand valves, separated outer passages extending downwardly around the lower intake along opposite outer lateral walls of the body from the outlet sides of the valve ports to the body outlet, inner passages in the body connecting the intake sides of the valve ports with the upper and lower body intakes, and suitable inner walls separating the inner and outer passages.

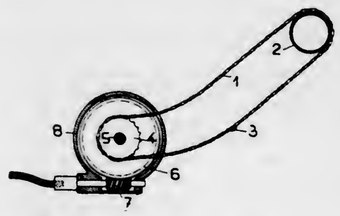
1,462,414. TRACTOR HITCH. MADISON MONROE KNOWLES and JAMES NICHOLAS BATES, Fort Branch, Ind. Filed July 1, 1922. Serial No. 572,130. 11 Claims. (Cl. 280—33.44.)

1. In a tractor hitch, a hitch device, means to dispose the same on a tongue at a side thereof for a side draft connection, a brace pivotally secured to said hitch device, and guide means in which said brace may have



movement with the lateral swinging of the hitch device, said guide means including means to mount the same.

1,462,415. APPARATUS FOR CLEANING THE OUTSIDE OF BOILER TUBES. FRITZ KOBER, Suhl, Germany. Filed Mar. 22, 1921. Serial No. 454,498. 2 Claims. (Cl. 15—104.04.) (Granted under the provisions of the act of Mar. 3, 1921, 41 Stat. L., 1313.)



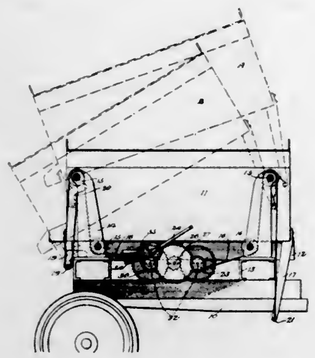
1. An apparatus for cleaning the exterior of boiler tubes, comprising a portable operating mechanism, and an endless band or chain having cleaning tools and operated by said mechanism, said band or chain being adapted to be passed around the tube to be cleaned.

1,462,416. FLYCATCHER. LYLE CHAS. MCDERMOTT, Pocatello, Idaho. Filed Sept. 3, 1921. Serial No. 498,233. 6 Claims. (Cl. 43—134.)



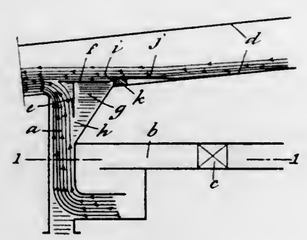
1. In a fly catcher, a frame having its sides made up of elastic strips arranged in parallel relation a distance apart less than sufficient to provide the entrance of a fly therebetween, as and for the purpose set forth.

1,462,417. DUMPING BODY. WILLIAM H. MAHLOW, Trenton, N. J. Filed Apr. 25, 1922. Serial No. 556,437. 4 Claims. (Cl. 298—11.)



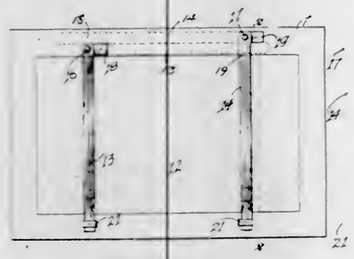
1. A dumping body including a support, a body positioned upon said support, and means for elevating the opposite ends of the body to different levels comprising elevating cables engaging opposite ends of the body, said body being provided adjacent one end with arms projecting below the bottom of the body to the lower ends of which arms are connected the cables engaging that end of the body, means connected to the inner ends of all the cables for retracting the cables, and guiding means for said cables including standards secured to said support and arranged adjacent to the ends of said body, and pulleys on said standards near the tops thereof over which said cables are passed.

1,462,418. WASHER FOR CLASSIFYING COAL, MINERALS, OR THE LIKE. LUCIEN MALÉCOT, Grand Croix, France. Filed Mar. 8, 1922. Serial No. 542,069. 4 Claims. (Cl. 83—82.)



1. Apparatus for separating and grading mineral substances, comprising an approximately horizontal water conveying conduit, a vertical conduit connected at its lower end to said horizontal conduit through which said water flows upwardly for effecting the final separation of said substances, a hopper containing substantially stationary water connected to the upper end of said vertical conduit, and a slightly sloping conduit through which water carrying the substances to be separated flows, said sloping conduit having a passageway to said hopper, at which passageway the preliminary separation of said substances is effected.

1,462,419. PICTURE-RETAINING DEVICE FOR PICTURE FRAMES. CARL MANDEL, San Francisco, Calif. Filed July 7, 1922. Serial No. 573,349. 3 Claims. (Cl. 40—156.)



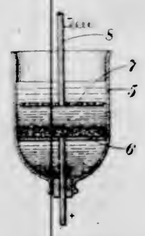
1. In a device of the character described, the combination with a frame, of pivoted arms secured to said frame, and lugs formed on said arms, said lugs being adapted to retain the free end of the next adjacent arm when said arms are moved into a position parallel to each other.

1,462,420. GRINDING MACHINE. ERIK W. MIKAELSON and ANDREW A. NEAVE, Easton, Pa., assignors to Treadwell Engineering Company, a Corporation of Pennsylvania. Filed June 27, 1919. Serial No. 307,083. 15 Claims. (Cl. 51—89.)



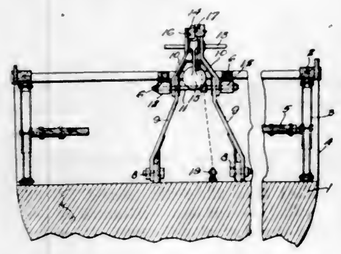
1. In a grinder, a motor, a grinding wheel driven thereby, a main body carrying said motor at one end and said grinding wheel at the opposite end, and wheeled supporting means directly carried by said main body intermediate the grinding wheel and the motor, said motor and grinding wheel being substantially in balance relatively to said supporting means whereby the operator adjacent the grinding wheel end can readily manipulate the grinder over the work.

1,462,421. ELECTROLYTIC TREATMENT OF METALLIFEROUS MATERIALS CONTAINING METALS OF THE CHROMIUM GROUP. RICHARD EDGAR PEARSON, London, and EUSTACE NEVILLE CRAIG, Ham Common, England, assignors to Metal Patents Limited, London, England, a British Company. Filed June 1, 1922. Serial No. 565,209. 17 Claims. (Cl. 204—15.)



1. A process for concentrating metalliferous material containing a "chromium-group" metal, which process consists in surrounding an anode with said metalliferous material and with an electrolyte in which the material is insoluble but in which the anode products to be isolated are soluble, and passing a current from the anode into the electrolyte.

1,462,422. HOISTING AND LOWERING COLLAPSIBLE LIFEBOATS. GIOVANNI RINESI, Genoa, Italy. Filed May 28, 1921. Serial No. 473,304. 4 Claims. (Cl. 9—23.)



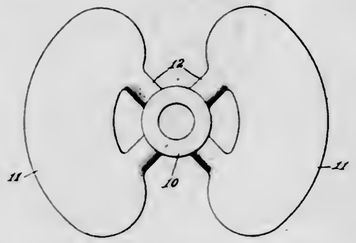
1. The combination of a collapsible lifeboat including a solid lower structure, a gunwale, flexible extensible side portions between the lower structure and the gunwale, of spaced parallel tracks mounted fore and aft of the boat, foldable link supporting structures mounted on the lower solid structure, weighted hooks pivotally supported in the outer ends of the link structures and adapted for engagement with tackles of a ship, rollers mounted on the link structures for association with the track whereby when the life-boat is moved outwardly for lowering into the water the weight of the lower structure will effect extension of the foldable link structure while the engagement of the rollers with the track will effect an extension of the collapsible sides of the boat simultaneously therewith.

1,462,423. CORSET. PHILIP H. ROBBINS, New York, N. Y., assignor to Poirette Corsets, Inc., New York, N. Y., a Corporation of New York. Filed Mar. 8, 1922. Serial No. 542,043. 4 Claims. (Cl. 2—73.)



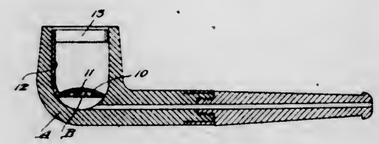
4. A corset including alternate elastic and non-elastic panels, the outer panels slit part way from the upper edge, and elastic members secured to said slit edges and extending in opposite directions around the figure both back and front, the alternate elastic and non-elastic panels forming two complete circles.

1,462,424. PROPELLER SCREW. JAMES SAMETZ, New York, N. Y. Filed Jan. 24, 1922. Serial No. 531,421. 1 Claim. (Cl. 170—167.)



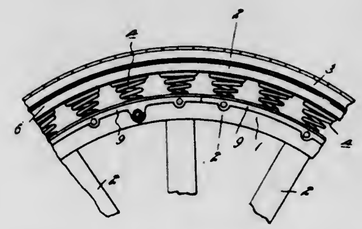
A propeller comprising a hub, spaced pairs of spokes radiating therefrom and arranged at diametrically opposite sides of the hub, the spokes of each pair being diametrically disposed with relation to the hub, a blade supported by each pair of spokes and each blade being elongated horizontally and twisted longitudinally, with the blades extending in relatively opposite directions.

1,462,425. SMOKING-PIPE ATTACHMENT. JOHN T. SHAW, Jonesboro, Ark., assignor of one-half to H. W. Applegate, Jonesboro, Ark. Filed Aug. 31, 1920. Serial No. 407,152. 1 Claim. (Cl. 131—12.)



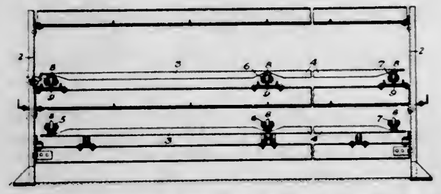
A smoking pipe attachment comprising a circular grate like member adapted for disposition within the bowl of a pipe near the bottom thereof, an upstanding support carried by the grate like member and terminating in a split ring frictionally engaging within the bowl of the pipe.

1,462,426. RIM. EMIL O. STEBBER, Flagstone, British Columbia, Canada. Filed Aug. 2, 1922. Serial No. 579,207. 2 Claims. (Cl. 152—32.)



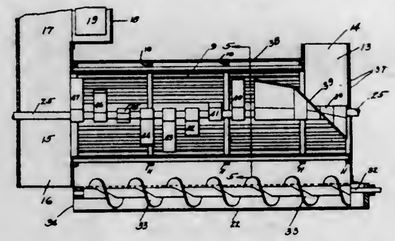
2. A wheel of the class described comprising an inner rim having notches therein, an outer rim, springs placed between the rims and having their inner ends engaging the notches, a sectional flanged ring engaging the inner rim for holding the springs in the notches, bolts for holding said sectional ring to the inner rim and bolts for fastening said sectional ring to the wheel to hold the inner rim on the wheel.

1,462,427. LEER CONVEYER. WALTER R. STERRETT, Carnegie, Pa., assignor to H. L. Dixon Company, Carnegie, Pa., a Corporation of Pennsylvania. Filed Mar. 18, 1921. Serial No. 453,457. 12 Claims. (Cl. 198—195.)



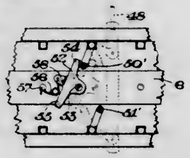
1. A leer conveyer having pans which are formed in separate transverse sections, and a common supporting chain to which the inner end of each pan section is connected, substantially as described.

1,462,428. SNAPPED-CORN SEPARATOR. FRANK J. TEMPLE, Decatur, Ill., assignor to Union Iron Works, Decatur, Ill., a Corporation of Illinois. Filed July 17, 1919. Serial No. 311,640. 2 Claims. (Cl. 130—22.)



2. In a separator of the character described, in combination, a cylindrical grate including an annular row of closely spaced rods, an enclosing casing for said grate closely spaced from the rods to provide a passage thereabout, a trough below the grate and in communication with the closure for the grate, a conveyor in said trough, means to operate said conveyor, a hopper inlet above one end of said grate and in communication therewith and having air inlet openings in one wall, a spiral feeder below the hopper and within the grate, a plurality of spaced beaters within the grate, in spiral arrangement, and extending uninterruptedly from the feeder to the discharge end of the grate, a fan casing at the discharge end of the grate, a fan in said casing, means to operate said feeder and beaters, and means to operate said fan.

1,462,429. ADJUSTABLE COMBINATION STOP ACTION FOR ORGANS. EDMOND VERLINDEN, Milwaukee, Wis. Filed May 11, 1921. Serial No. 468,468. 4 Claims. (Cl. 84—345.)



3. In an adjustable combination stop-action for organs, the combination of a trace rod, a trigger pivotally mounted on said rod, a spring for holding said trigger in either "on" or "off" position, means distinct from said spring for limiting the swinging movement of said trigger, a stop key, and means operatively connected to said stop key to operate upon or be operated by said trigger.

1,462,430. SPIRIT LEVEL. PAUL HERMAN VOGEL, New Britain, Conn. Filed May 12, 1921. Serial No. 469,018. 9 Claims. (Cl. 33—213.)



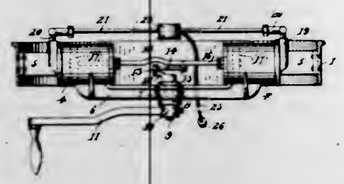
1. In a spirit level, the combination of a beam or body having tube openings, with a sectional container for each opening, comprising mating sections, each section being adapted to support a spirit tube, and means cooperating with the sections to adjustably secure the sections on the body, each section adapted to be adjusted independently of the other.

1,462,431. ELECTRICALLY-HEATED TOOL. EDWARD A. WAGNER, Fort Wayne, Ind., assignor to General Electric Company, a Corporation of New York. Filed Dec. 5, 1921. Serial No. 519,876. 8 Claims. (Cl. 219—26.)



1. An electrically heated tool comprising a rod having a portion at one end adapted to generate heat, and a heated body secured in engagement with said portion so as to be included with said rod in an electric heating circuit and be heated by conduction from said portion.

1,462,432. TIRE PUMP. PETAR WAJDIC, Pleasant Unity, Pa. Filed Dec. 17, 1921. Serial No. 523,037. 3 Claims. (Cl. 230—27.)



1. A pump of the type described comprising an annular supporting member, pump cylinders within said annular member, brackets rigidly connecting said pump cylinders at their outer ends with said annular member, a piston in each cylinder, a connecting rod between the pistons, an offset portion formed in said piston connecting rod, a brace arm rigidly connecting said cylinders at their inner ends, said brackets and brace cooperating for holding said cylinders in alinement, and means to reciprocate said pistons, said means including a crank shaft journaled in said brace arm, crank arm carried by the inner end of said crank shaft; and a link connection between said crank arm and the piston connecting rod, said offset portion in the piston connecting rod being provided to afford clearance for said crank arm.

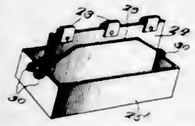
1,462,433. MAGNETIC SUSPENSION. HENRY E. WARREN, Ashland, Mass., assignor to General Electric Company, a Corporation of New York. Filed Jan. 18, 1921. Serial No. 438,224. 2 Claims. (Cl. 64—10.)

2. A magnetic suspension for shafts comprising a vertically disposed shaft of magnetic material, an upper bearing for said shaft, a support for said bearing having a horizontally disposed opening therein above said shaft,



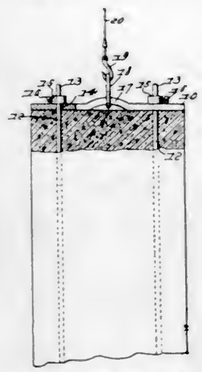
and a permanent magnet in the form of a nearly closed ring having its lower portion adjustably secured in said opening.

1,462,434. MAGAZINE RACK. ADA B. WENDEL, Smithland, Iowa. Filed Mar. 6, 1922. Serial No. 541,544. 1 Claim. (Cl. 211—20.)



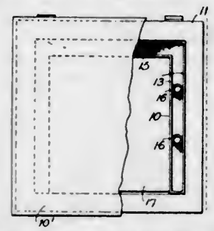
A receptacle for use in connection with an endles display rack comprising a bottom, vertical sides and ends rising from the bottom to form an open-topped box, a vertical longitudinal central wall rising from the bottom and connected to the end walls, and dividing the box into two compartments, said central wall rising to a distance above the side and end walls, straps secured to and straddling the upper edge of the central wall for suspending the receptacle on a support, and article retaining bars extending longitudinally of the box on each side of the central wall and bearing thereagainst, the ends of the bars being formed with spring coils and secured to the end walls of the box exteriorly thereof.

1,462,435. PILE LIFTER. CHARLES L. WEST, Franklin, N. C. Filed Sept. 13, 1922. Serial No. 588,051. 2 Claims. (Cl. 294—83.)



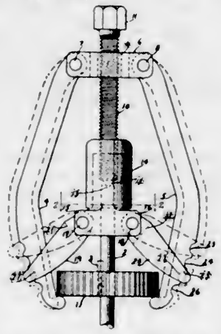
1. A reinforced concrete pile lifter having a lifting bar for arrangement in contact with the upper end of the pile and provided with means for engaging the same, and a hoisting ring or hook connected with said bar at an intermediate point for engagement by the hook of a hoisting cable, the lifting bar being provided with openings for the reception of the extended terminals of the pile reinforcing rods, and means provided for holding said bar in engagement with the rods.

1,462,436. ICE BOX FOR REFRIGERATORS. EMIL WOERTH, Hamilton Beach, N. Y. Filed July 8, 1922. Serial No. 573,563. 3 Claims. (Cl. 62—68.)



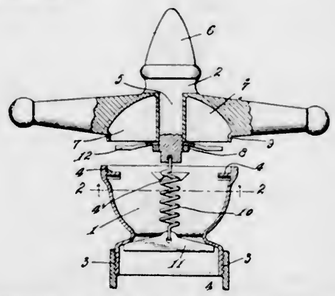
1. In an ice box for refrigerators, the combination of a shell comprising inner and outer walls with a space for ice between them and a bottom wall, perforated partitions in the space between the walls and forming compartments to contain salt to impregnate the lower water and ice, and a drain for said shell.

1,462,437. GEAR PULLER. ADAM F. YOUNG, San Jose, Calif. Filed Feb. 9, 1922. Serial No. 535,289. 1 Claim. (Cl. 29—85.)



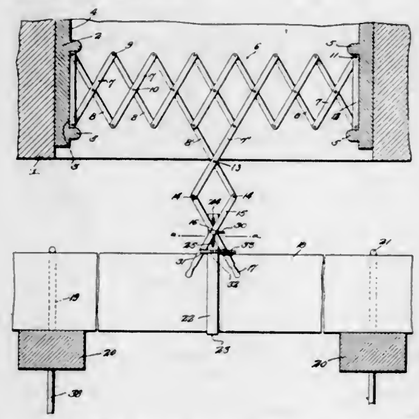
A pulling device comprising a screw, a bar slidably mounted thereon, opposed clamps pivotally mounted on said bar, and having notches formed in the outer edges of their free ends, a threaded element engaging said screw, opposed slotted links pivotally mounted on said element and engageable with the notches in said clamps, each clamp passing through the slot in the link in engagement therewith.

1,462,438. CAP. GROVER C. APPLE, Greensboro, N. C. Filed Nov. 29, 1921. Serial No. 518,633. 1 Claim. (Cl. 220—24.)



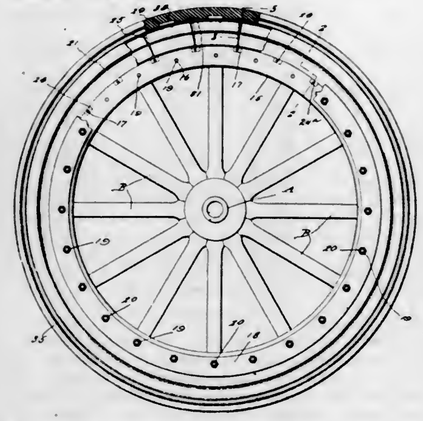
A radiator cap consisting of a bowl-shaped lower part, a headed stem, means for flexibly connecting the lower end of the stem with the lower part, an upper part having a central bore through which the stem passes, a nut for holding said part on the stem, spring arms held on the stem by the nut, recessed lugs on the bowl-shaped part for receiving the ends of the arms so as to lock the two parts together and a flange on the upper part for entering the bowl-shaped part.

1,462,439. SCAFFOLD. JOHN L. BALDWIN, Washington, D. C. Filed Aug. 24, 1922. Serial No. 584,017. 3 Claims. (Cl. 304—10.)



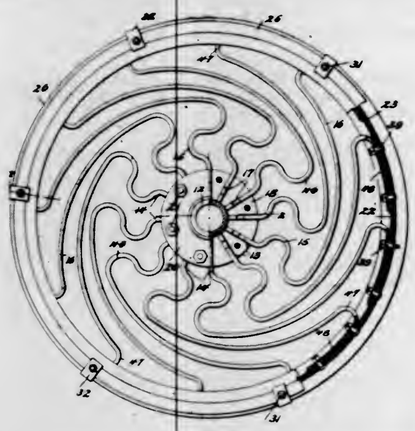
1. In a scaffold structure, in combination, a plurality of uprights, means carried by the uprights for supporting a scaffold board, a scaffold board supported by said means, a bracket slidable on the scaffold board, a laterally expansible mechanism secured to the bracket, means adjacent to the scaffold board for expanding and contracting said mechanism, and means for locking the mechanism in expanded position.

1,462,440. SPRING TIRE. ARTHUR E. BAUMAN, Akron, Ohio. Filed May 15, 1922. Serial No. 560,998. 7 Claims. (Cl. 152—8.)



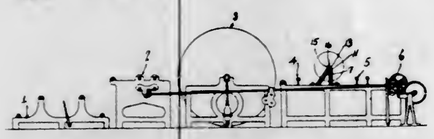
4. In a spring tire construction, a spring member secured upon the felly of a wheel and slits transversely at intervals, the outermost portion of said spring member being formed with a longitudinal rib, a correspondingly shaped plate member located over each slit and carrying projections fitting therein, a cushion tire having a longitudinal groove on its inner periphery fitting upon said spring member, the groove receiving said rib.

1,462,441. SPRING WHEEL. WILLIAM JAKOB BEISEL, Port Richmond, N. Y. Filed Dec. 7, 1921. Serial No. 520,576. 5 Claims. (Cl. 152—50.)



4. A spring wheel structure comprising in combination, an outwardly facing channel bar rim rectangular in cross section having laterally outward extending portions along the outer edges of its side walls, a series of transversely flat spring spokes curved in the plane of the wheel between their ends, the outer ends being so shaped as to fit the sides and base of the channel of the rim and means for securing said ends to the portion of the rim forming said channel.

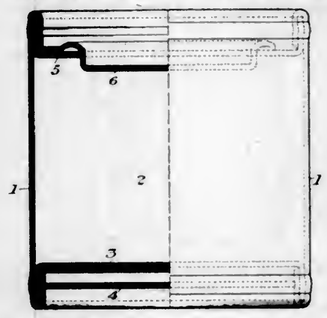
1,462,442. SLASHER. WESLEY A. BLACK, Spartanburg, S. C. Filed Jan. 17, 1921. Serial No. 437,917. 1 Claim. (Cl. 28—28.)



In combination with a slasher, means for supporting the cord beam of the slasher between the drying drum and the comb thereof, comprising a pair of aligned spaced substantially V-shaped brackets bolted to the frame of the slasher, an inverted substantially channel shaped bracket secured on the opposite faces of each V-shaped bracket and being provided with the longitudinally arranged dove tail in cross section groove, a shaft threadedly associated with the free end of each of the channel shaped brackets and a beam bearing fittingly engaged in the dove tail groove and carried by the shaft as and for the purpose specified

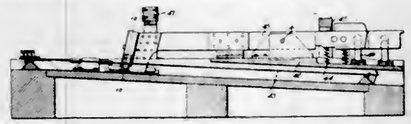
1,462,443. PAPER CAN OR CARTON. LEWIS C. BROOKS, Milwaukee, Wis., assignor, by mesne assignments, to The National Paper Can Company, Milwaukee, Wis., a Corporation of Wisconsin. Filed Aug. 21, 1916. Serial No. 115,962. 5 Claims. (Cl. 229—3.1.)

3. An all-paper can or carton for the storage and preservation of food products having a body portion formed of a strip of paper previously impregnated with a material which renders the paper impervious to grease or impervious to moisture, wound on itself and consolidated into a seamless unbroken laminated shell, and closures attached to both ends of the body portion, each closure comprising a plurality of layers of paper previously impregnated with a material which renders the



paper impervious to grease or impervious to moisture and consolidated into an unbroken laminated sheet, substantially as described.

1,462,444. PLECTRUM PIANO ACTION. GIUSEPPE CASCIOTTA, New York, N. Y. Filed May 11, 1921. Serial No. 468,560. 9 Claims. (Cl. 84—258.)



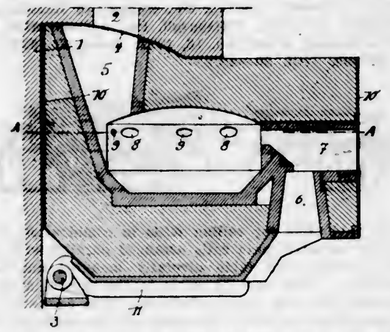
8. A piano action including a movable arm, a string to be picked, a pick carried at the end of said arm adjacent to its string, and means for moving said arm to cause the pick to pluck said string, such means including a single fixed guiding member on one side of the string having a cross-section elongated more in one direction than in the direction perpendicular to the first-mentioned direction, and a single guided member carried by the pick-carrying end of said arm.

1,462,445. PUMP PISTON. THOMAS W. DELANEY, St. Paul, Minn. Filed June 7, 1921. Serial No. 475,616. 3 Claims. (Cl. 103—225.)



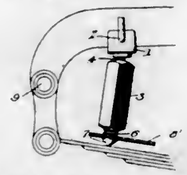
1. In a pump, a plunger rod, a disk valve on the plunger rod, a cylinder in which the plunger rod and the valve operate, a piston above the valve and a spider provided with fingers engaging the inner wall of said piston snugly fitting in said cylinder, at the upper end of said piston, said piston being capable of movement in the cylinder relatively to the plunger rod and limited by the valve and spider, said spider centering said plunger rod and said fingers centering said piston to prevent piston slop.

1,462,446. TIPPING CRUCIBLE FOR BASALT FURNACES. PAUL DHÉ, Paris, France. Filed Jan. 26, 1922. Serial No. 531,923. 3 Claims. (Cl. 266—40.)



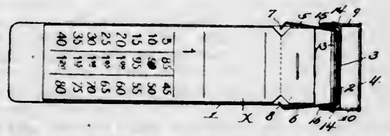
1. A crucible for receiving basalt when discharged from a melting furnace and for pouring the same into ingot or like moulds, comprising a stationary horizontal axle whereupon the crucible may be given a swinging movement, a basin formed within the crucible, a vault constituting a reverberatory dome situated above the said basin, a plurality of burners disposed at the periphery and opening into the said basin, the said burners being substantially tangent to the circumference of the basin.

1,462,447. TOOL FOR REMOVING SHACKLE BOLTS OF AUTOMOBILE SPRINGS AND THE LIKE. CLAUDE O. DUTRO, REGINALD W. KENT, and GEORGE S. KENT, Burkburnett, Tex. Filed May 28, 1921. Serial No. 473,333. 2 Claims. (Cl. 29—87.1.)



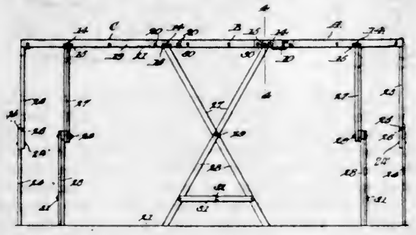
1. A tool of the character described comprising a channel shaped member, a screw bolt adapted to pass through a screw threaded hole in the channel shaped member, a wrench engaging member swivelled to the channel shaped member and being provided with a screw threaded socket and a screw threaded bolt received in the socket as and for the purpose specified.

1,462,448. CHECK HOLDER. CARL FREDERN, Philadelphia, Pa., assignor to Globe Ticket Company, Philadelphia, Pa., a Corporation of Pennsylvania. Filed July 30, 1920. Serial No. 400,113. 3 Claims. (Cl. 211—37.)



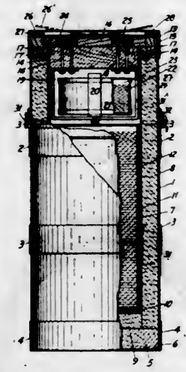
1. The combination of a support adapted to receive a pack of checks and having a forwardly bent portion at one end, a yoke-shaped gripping member composed of a strip of flat resilient material formed separately from the support but having its intermediate portion abutting flatwise against said forwardly bent portion of the support, said yoke shaped member forming opposed arms extending longitudinally of the support, said arms being arranged to engage opposite sides of a pack on said support and having a normal tendency to spread apart, and a locking member cooperative with the arms of the gripping member to force them into gripping engagement with the pack.

1,462,449. PAPER-HANGER'S TABLE. ABRAHAM FINN, Elizabeth, N. J. Filed Dec. 17, 1921. Serial No. 523,104. 7 Claims. (Cl. 304—2.)



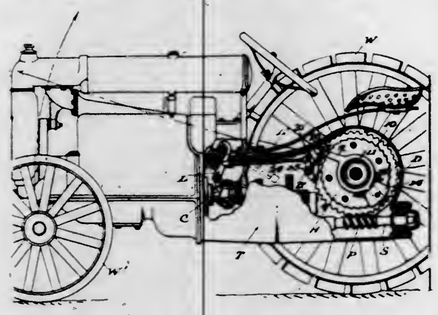
1. A table of the class described comprising a collapsible top having flexible elements and means for stretching the same, a metal cutting strip on one side of said table, and a removable sectional cutting strip on the other side of said table.

1,462,450. COOLING CONTAINER OR SO CALLED "DRY CONTAINER" FOR ICE CREAM AND SIMILAR PRODUCTS TO BE MAINTAINED COLD FOR MANY HOURS. JAMES E. GRAHAM, Newtonville, Mass., assignor to Glacifer Company, Boston, Mass. Filed Apr. 24, 1922. Serial No. 556,274. 8 Claims. (Cl. 217—7.)



1. In a dry container for the preservation of products to be maintained cold, such as ice cream and the like, the combination of an outer receptacle, a chamber within said receptable for the reception of the product, suitable insulation between the outer receptacle and the product the said insulation being characterized by its relative non-conductivity for heat, a cover for the whole, a cooling drum containing a freezable solution for preserving the product in the container cold for a long period of hours, and means secured to the cover for the reception of the cooling device whereby the cover and said cooling drum may be removed as a single unit from and replaced on the dry container, thus eliminating the need for handling loose parts.

1,462,451. ATTACHMENT FOR TRACTORS. HARRY M. GREASLEY, Corry, Pa. Filed Dec. 21, 1921. Serial No. 523,962. 11 Claims. (Cl. 180—82.)

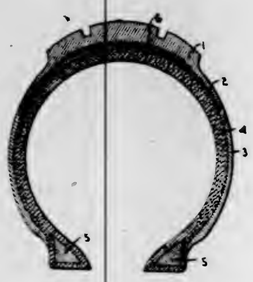


1. In a tractor of the character described, a ratchet gear carried by the rear axle structure of said tractor, a bell crank lever fulcrumed upon the frame of the tractor, a pawl connected to said bell crank lever and adapted to be brought to engage the ratchet wheel, means adapted to normally hold the pawl out of engagement with said ratchet gear, said means being also adapted to permit the pawl to engage the ratchet gear upon the tractor turning about the rear axle as a pivot, and means connected with the bell crank lever whereby when the same is actuated the driving power of said tractor will be rendered inoperative.

1,462,452. METHOD OF MANUFACTURING PNEUMATIC TIRES AND THE LIKE. KARL B. KILBORN and WILLIAM S. WOLFE, Akron, Ohio, assignors to The Goodyear Tire & Rubber Company, Akron, Ohio, a Corporation of Ohio. Filed Oct. 4, 1919. Serial No. 328,573. 3 Claims. (Cl. 154—14.)

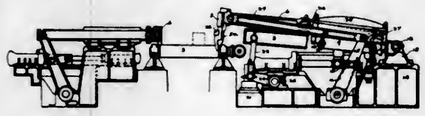
1. The method of manufacturing pneumatic tires, which consists in first assembling the carcass material upon a form, then partially vulcanizing the same in confining mold members under pressure, then applying the requisite tread portion to the carcass and finally vulcanizing the same in rigid mold members under compacting pressure.

1,462,453. TIRE CONSTRUCTION. WILLIAM G. LERCH, Akron, Ohio, assignor to The India Tire & Rubber Company, Mogadore, Ohio, a Corporation of Ohio. Filed June 22, 1921. Serial No. 479,500. 2 Claims. (Cl. 152—13.)



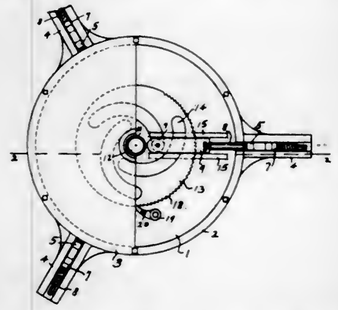
2. A tire construction comprising, a carcass composed of a plurality of layers of rubberized fabric, a layer of rubber of a character to constitute a cushion over the carcass, a layer of tread rubber over the cushion, and two layers of parallel cords 7 and 8 interposed between the tread and the cushion, said cord layers being arranged as shown and described with the cords in oppositely arranged diagonal positions with respect to the central plane of the tire, whereby the functions of a breaker strip are performed by the layers of cords without frictional engagement of the cords with one another, without loss of traction between the tread and the carcass, and without restriction of the circumferential contraction or expansion of the tire.

1,462,454. MANIPULATOR FOR ROLLING MILLS. DAVID F. NISBET, Crafton, Pa., assignor to Mackintosh-Hemphill Company, Pittsburgh, Pa., a Corporation of Pennsylvania. Filed Jan. 16, 1922. Serial No. 529,402. 3 Claims. (Cl. 80—48.)



3. A feed table for rolling mills in combination with pivotally mounted main rails arranged parallel with the rollers of the feed table pivotally mounted auxiliary rails having their axes eccentric to the pivotal axes of the main rails and having their free ends connected to the main rails at points intermediate the ends of the main rails, beams supported at points adjacent to their outer ends by the auxiliary rails, and at points intermediate their ends by the main rails, a manipulator head carried by the beams, means for raising and lowering the free ends of the rails and means for shifting the beams longitudinally of the rails.

1,462,455. TIRE-RIM RACK. CHRISTIAN H. LARSON, Guffey, Tex. Filed May 7, 1921. Serial No. 467,647. 2 Claims. (Cl. 157—1.)



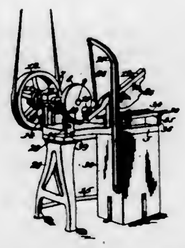
1. A tire rim rack including an enclosed casing formed of two plates, an overturned marginal flange carried by one of said plates and against which the other plate rests, radiating guides carried by one of said plates and spaced apart, a lug block slidable in each guide, an upstanding lug and a hook outside of said lug carried by each block, a rod threaded through each block, the upper end of each rod being formed to receive a wrench, radiating plungers within the casing, radiating guide ways in which said plungers move, the inner ends of said rods having swiveling connections with the corresponding plunger, a stand upon which said casing is mounted, a central bearing in the upper plate of the casing, a stub shaft rotatable in said bearing and whose upper end is formed to receive a wrench, a disc within the casing fixed to the lower end of said shaft, said disc being formed with cam shaped grooves, the inner ends of said plungers being bifurcated forming fingers which embrace said disc bearings mounted between said fingers and working in the corresponding grooves.

1,462,456. PARACHUTE PACK AND HARNESS, ETC. FLOYD SMITH, Dayton, Ohio, assignor to Floyd Smith Aerial Equipment Company, a Corporation of Illinois. Filed Apr. 28, 1919. Serial No. 293,047. 21 Claims. (Cl. 244—21.)



1. A parachute pack adapted to hold a folded parachute, embodying a sheet of flexible material with flaps adapted to be folded about the parachute, means for connecting said pack to the body of a rider, releasable means for holding the edges of the flaps together, and a pull cord extending from said releasable means to a point convenient to be operated by the rider.

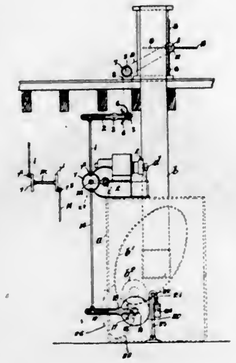
1,462,457. METAL-BASKET-CORRUGATING MACHINE. FRANK T. WERNIMONT, Cedar Rapids, Iowa, assignor to The Hall Manufacturing Company, Cedar Rapids, Iowa. Filed Jan. 12, 1921. Serial No. 436,645. 5 Claims. (Cl. 153—75.)



1. In a metal-basket corrugating machine, the combination of a fixed swage-block composed of a pair of cheek-plates and an interposed tongue pivotally attached at one end, and adjustable at the other end, an undergrooved swage in register therewith, a tilting bar to which the swage is attached, and a revolving crank-wheel adapted to lift said bar at each revolution.

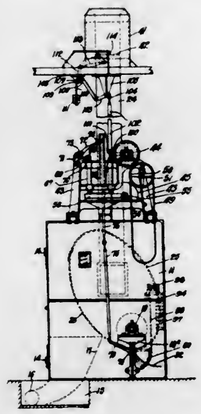
1,462,458. MACHINE FOR OPENING AND CLEANING COTTON, WOOL, AND OTHER FIBERS. WILLIAM YOULTEN, Hove, England, assignor to Harry Seymour Foster, Westminster, England, and Louis Napoleon Schoenfeld, Hove, England. Filed Mar. 2, 1921. Serial No. 449,206. 2 Claims. (Cl. 19—67.)

1. A machine for opening and cleaning cotton, wool and other fibers, comprising in combination, a treating chamber, a beater shaft rotatable in said chamber, a feed hopper through which the material is fed into said chamber, a discharge valve through which the treated product is delivered, a shaft carrying a worm and driven through variable transmission gearing from a source of power, a worm wheel in constant mesh with said worm, discs mounted adjustably on said worm wheel each having a segmental rack, a disc also having a segmental rack co-operating with each of said first mentioned discs and adapted to be intermittently rotated thereby, and means



associated with said second mentioned discs connected by links and levers to each of said valves, substantially as described.

1,462,459. MACHINE FOR OPENING AND CLEANING FIBROUS MATERIAL. WILLIAM YOULTEN, Hove, England, assignor to Harry Seymour Foster, Westminster, England, and Louis Napoleon Schoenfeld, Hove, England. Filed Nov. 14, 1921. Serial No. 515,101. 5 Claims. (Cl. 19—92.)

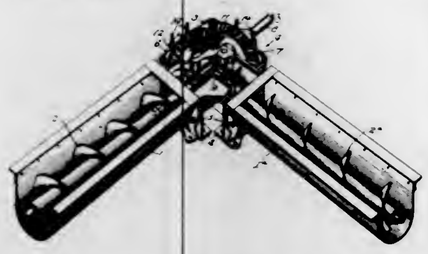


1. Apparatus for opening and cleaning fibrous material comprising a chamber into which the material is delivered, and a rotary beater in said chamber having blades arranged in rows and disposed in spiral formation, the spirals commencing at the ends of the beater and meeting towards the center.

1,462,460. HEAT TREATMENT OF LIGHT CASTINGS. STANLEY APGAR, High Bridge, N. J., assignor to Taylor-Wharton Iron and Steel Company, High Bridge, N. J., a Corporation of New Jersey. Filed June 5, 1922. Serial No. 566,160. 4 Claims. (Cl. 148—13.)

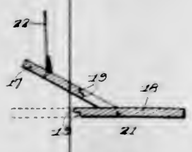
1. The herein described method of heat treating manganese steel chain and other light castings, which consists in heating them in an environment in which they are substantially protected from decarburization and oxidation, and then proceeding in the usual way.

1,462,461. CONVEYER-COUPLING MEANS. FRANK B CALDWELL, Oak Park, Ill., assignor to H. W. Caldwell & Son Company, Chicago, Ill., a Corporation of Illinois. Filed Aug. 19, 1921. Serial No. 493,602. 8 Claims. (Cl. 198—213.)



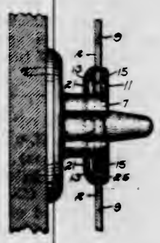
1. Means for connecting horizontal screw conveyers arranged at right angles and having overlapping shafts comprising a passageway traversed by said shafts and connecting the conveyor troughs, and gearing on the ends of said shafts outside said passageway.

1,462,462. MILK-BOTTLE CLOSURE. ASSAD M. BAROODY, Danville, Va. Filed Feb. 25, 1922. Serial No. 539,210. 3 Claims. (Cl. 215—51.)



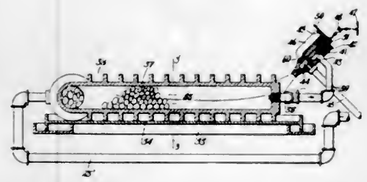
2. A bottle closure comprising a disk having a relatively stationary portion and a relatively movable portion, the abutting edges of said portions being formed with ledges one of which is directed toward one face of the section and the other directed toward the other face of the other section said abutting edges being approximately L-shaped with corresponding portions in alignment and in parallel relation respectively, the disk being scored on one face at right angles to and between the outer ends of the parallel portions of the said cuts, the said ledges being so arranged that the material of the disk of the movable section will snap past the material of the other section when the said movable section is moved out of the plane of the other section.

1,462,463. SECURING MEANS FOR FASTENER ELEMENTS. LAURENCE M. FOSS, Amesbury, Mass., assignor to G. W. J. Murphy Company, Amesbury, Mass., a Corporation of Massachusetts. Filed Nov. 19, 1921. Serial No. 516,456. 4 Claims. (Cl. 24—221.)



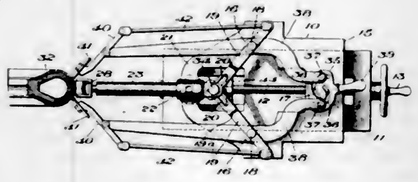
3. A securing means for cooperation with a fastener element which has a plurality of prongs to extend through a supporting member comprising a washer, a cover plate closely fitting the margin of said washer but defining therewith a peripheral series of prong receiving openings, said plate presenting an upsetting surface to clench prongs projected through said openings over the washer.

1,462,464. PROCESS AND APPARATUS FOR MIXING AND BURNING OIL. ALBERT E. GRANT, New York, N. Y., assignor to Caloroil Burner Corporation, a Corporation of Delaware. Filed May 14, 1920. Serial No. 381,294. 10 Claims. (Cl. 158—28.)



4. In an oil burner a combination with a source of water supply at variable pressure, of means for equalizing said pressure and supplying water at constant pressure, comprising a pressure controlled valve, a furnace, a steam generator in said furnace and receiving its water supply from said equalizing means, a flame forming means supplied with steam from said generator and an oil supply for said flame forming means, comprising a siphon for automatically drawing oil from a container when the level of the oil in said supply is lowered below a predetermined level.

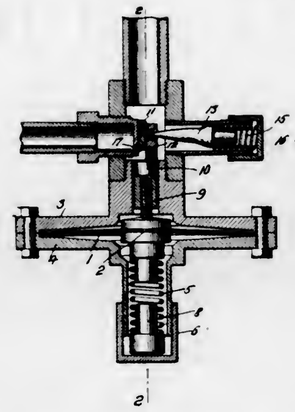
1,462,465. TIRE MACHINE. ROLAND S. TROGNER, Akron, Ohio, assignor to The Goodyear Tire & Rubber Company, Akron, Ohio, a Corporation of Ohio. Filed Sept. 29, 1919. Serial No. 327,129. 23 Claims. (Cl. 154—10.)



1. In an apparatus of the character described, the combination with a rotatable core, of a tread roll, and a stitcher adapted to traverse the side of the core, said stitcher being connected to the tread roll for simultaneous operation therewith.

1,462,466. EXPANSION VALVE. RICHARD WHITAKER, Bradley Beach, N. J., assignor, by mesne assignments, to Brunswick-Kroeschell Company, New Brunswick, N. J., a Corporation of New Jersey. Filed June 16, 1920. Serial No. 389,359. 5 Claims. (Cl. 50—23.)

1. A valve comprising a seat provided with a port, a slide movable to close and open the port, said slide having a depression in its upper surface, a spindle, one end of which is received in the depression, a spring for pressing the spindle against the slide to keep the latter in operable contact with the seat, a diaphragm arranged to be moved by pressure thereagainst, and a



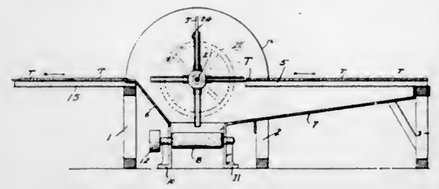
connection between the diaphragm and the slide, whereby the movement of the diaphragm is imparted to the slide to close and open the port.

1,462,467. DRAG LINK AND PROCESS OF MAKING SAME. JOHN W. WHITE, Detroit, Mich., assignor to General Motors Corporation, Detroit, Mich., a Corporation of Delaware. Filed Dec. 4, 1920. Serial No. 428,291. 10 Claims. (Cl. 113—116.)



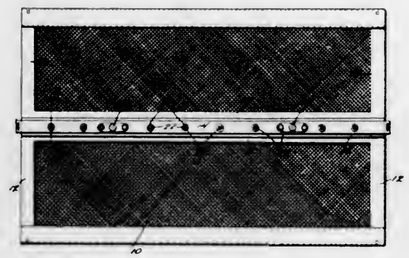
9. A link for use in motor vehicle steering gear, comprising a single piece stamping formed up to provide a rod portion having a closed but hollow section and an integral tubular head portion at the end and of larger diameter.

1,462,468. TRAY-TURNING MACHINE. WILLIAM F. SCHALLER, San Francisco, Calif., assignor of five-tenths to Elizabeth Schaller, three-tenths to Alice Eleanor Schaller, and two-tenths to Chas. A. Schoeneman, all of San Francisco, Calif. Filed Mar. 13, 1920. Serial No. 365,385. 2 Claims. (Cl. 198—211.)



1. A tray turning machine comprising the combination of a frame, a pair of supporting rails on said frame, a shaft revoluble in bearings on said frame, channeled spokes in pairs and facing each other on said shaft and a wheel for turning said shaft.

1,462,469. SCREENING DEVICE. BASIL B. CARLTON and CLEM J. BURKLEY, Akron, Ohio, assignors to The Goodyear Tire & Rubber Company, Akron, Ohio, a Corporation of Ohio. Filed Nov. 1, 1918. Serial No. 260,739. 8 Claims. (Cl. 83—56.)



1. A device for separating finely divided material comprising a screen partially supported by and embedded in a flexible material.

Patents Nos. 1,462,470 to 1,468,147.

THE OFFICIAL GAZETTE OF THE United States Patent Office.

Vol. 312—No. 4. TUESDAY, JULY 24, 1923. Price—$5 per year.

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Prints	7—No.	6,829 to No.	6,835, inclusive.
Reissues	3—No.	15,660 to No.	15,662, inclusive.
Designs	80—No.	62,687 to No.	62,766, inclusive.
Patents	678—No.	1,462,470 to No.	1,463,147, inclusive.
Total	1084		

ADJUDICATED PATENTS.

(U. S. C. C. A. Mich.) Rodman patent, 949,446, for material for case-hardening steel, claims 1, 2, and 5 *Held* invalid for lack of invention. *Rodman Chemical Co.* v. *Steel Treating Equipment Co.*, 288 Fed. Rep., 471.

ADVERSE DECISIONS IN INTERFERENCE.

In interferences involving the indicated claims of the following patents final decisions have been rendered that the respective patentees were not the first inventors with respect to the claims listed:

Pat. 1,310,093, J. H. Richards, Engine-starting device, decided Mar. 14, 1923, claims 3, 4, and 10.

Pat. 1,338,328, A. F. Poole, Clock system, decided June 16, 1923, claims 1, 3, 5, 6, and 7.

Pat. 1,393,994, S. I. Fekete, Stove for intake manifolds of internal-combustion engines, decided June 12, 1923, claim 14.

Pat. 1,399,100, A. L. Bower, Automatic train-controlling device for preventing collisions, decided June 16, 1923, claims 11, 12, and 13.

Pat. 1,432,314, G. Wood, Box-strapping tool, decided June 1, 1923, claim 1.

Changes in Classification.

(ORDER NO. 2,829.)

U. S. PATENT OFFICE, *Washington, July 3, 1923.*

The transfer of class 51, Abrading, from Division XXVII to Division XXIX is hereby directed, to take effect on July 5, 1923.

THOMAS E. ROBERTSON,
Commissioner.

Interference Notices.

U. S. PATENT OFFICE, *Washington, July 12, 1923.*

Jesse Minor, his assigns or legal representatives, take notice:

An interference having been declared by this Office between the New England Confectionery Company, 253 Summer Street, Boston, Mass., for registration of a trade-mark and trade-mark registered June 2, 1903, No. 40,490, to Jesse Minor, 3822 Pier Street, Pittsburgh, Pa., and a notice of such declaration sent by registered mail to said Jesse Minor at the said address having been returned by the post office undelivered, notice is hereby given that unless said Jesse Minor, his assigns or legal representatives, shall enter an appearance therein within thirty days from the first publication of this order the interference will be proceeded with as in case of default.

This notice will be published in the OFFICIAL GAZETTE for three consecutive weeks.

KARL FENNING,
Acting Commissioner of Patents.

U. S. PATENT OFFICE, *Washington, July 12, 1923.*

Bucknam & Vanderpoel, their assigns or legal representatives, take notice:

An interference having been declared by this Office between D. B. Scully Syrup Company, 321 East Illinois Street, Chicago, Ill., for registration of a trade-mark and trade-mark registered May 29, 1906, No. 53,164, to Bucknam & Vanderpoel, 198 West Broadway, New York, N. Y., and a notice of such declaration sent by registered mail to said Bucknam & Vanderpoel at the said address having been returned by the post office undelivered, notice is hereby given that unless said Bucknam & Vanderpoel, their assigns or legal representatives, shall enter an appearance therein within thirty days from the first publication of this order the interference will be proceeded with as in case of default.

This notice will be published in the OFFICIAL GAZETTE for three consecutive weeks.

KARL FENNING,
Acting Commissioner of Patents.

Condition of Applications Under Examination at Close of Business July 13, 1923.

Room No.	(Total number of applications awaiting action, exclusive Trade-Mark Division, 75,318: Trade-Mark Division, 3,597. Oldest new case, Sept. 1, 1922; oldest amended, Sept. 2, 1922. The dates given are 1922 except where * indicates 1923.) Divisions, Examiners, and subjects of inventions.	Oldest new application and oldest action by applicant awaiting office action. New.	Amended.	No. of applications awaiting action.
314	1. LOEFFLER, F. A., Closure Operators; Fences; Gates; Harrows and Diggers; Plows; Planting; Scattering Unloaders; Trees, Plants, and Flowers.	Oct. 7	Sept. 23	1,272
128	2. HADEN, C. F., Bee Culture; Dairy; Preserving; Presses; Tents, Canopies, Umbrellas, and Canes; Tobacco.	Sept. 20	Oct. 9	1,526
175	3. RICH, WM. J., Electric Heating and Rheostats; Electrochemistry; Heating; Metal Founding; Metallurgical Apparatus; Metallurgy; Metal Treatment; Plastic Metal Working.	Nov. 1	Nov. 29	1,696
234	4. MERRITT, A. D., Conveyers, Chutes, Skids, Guides, and Ways; Conveyers, Fluid Current; Conveyers, Power Driven; Excavating; Handling—Hand and Hoist-Line Implements; Material or Article Handling; Pushing and Pulling Implements; Railway Mail Delivery; Traversing Hoists.	Oct. 3	*Feb. 14	1,514
167	5. MACNAB, J. F., Bookmaking; Books, Strips, and Leaves; Harvesters; Jewelry; Manifolding; Music; Printed Matter; Tying Cords or Strands.	Sept. 14	Oct. 6	1,454
318	6. LEWERS, A. M., Bleaching and Dyeing; Chemicals; Chemistry—Carbon Compounds; Explosive, Pyrotechnic, and Match Compositions; Fertilizers; Liquid Coating Compositions; Medicines; Plastic Compositions; Substance Preparation.	Sept. 20	*Mar. 1	1,893
312	7. JARBOE, C. G., Games and Toys; Optics; Photography	Sept. 15	Dec. 6	2,770
133	8. CLIFT, J. W., Beds; Chairs and Seats; Furniture; Kitchen and Table Articles; Store Furniture; Supports.	*Jan. 12	*Mar. 29	1,584
221	9. TRYON, F. M., Air and Gas Pumps; Hydraulic Motors; Injectors and Ejectors; Motors, Fluid; Motors, Fluid Current; Pumps.	Oct. 19	*June 9	885
235	10. HUNTER, O. F. (Acting), Motor Vehicles; Land Vehicles—Animal Draft Appliances, Bodies and Tops, Dumping, Wheel Substitutes.	Sept. 26	Oct. 23	1,512
154	11. ARMSTRONG, H. C., Boot and Shoe Making; Boots, Shoes, and Leggings; Button, Eyelet, and Rivet Setting; Harness; Hides, Skin, and Leather; Leather Manufactures; Nailing and Stapling; Whips and Whip Apparatus.	*Jan. 15	Nov. 7	1,021
322	12. PIERCE, P. P., Machine Elements	Nov. 20	*Jan. 2	1,431
329	13. NIXON, G. A., Bolt, Nail, Nut, Rivet, and Screw Making; Chain, Staple, and Horseshoe Making; Driven, Headed, and Screw-Threaded Fastenings; Gear Cutting, Milling, and Planing; Metal Drawing; Metal Forging and Welding; Metal Rolling; Metal Working; Needle and Pin Making; Turning.	Oct. 4	*Mar. 22	1,233
323	14. BRUMBAUGH, N. J., Compound Tools; Cutting and Punching Sheets and Bars; Farriery; Metal Bending; Metal Tools and Implements, Making; Sheet-Metal Ware, Making; Tools; Wire Fabrics and Structure; Wire Working.	Sept. 13	*May 2	1,209
308	15. REDROW, W. L., Glass; Laminated Fabric and Analogous Manufactures; Paper Making and Fiber Liberation; Plastic Block and Earthenware Apparatus; Plastics.	Sept. 19	Nov. 14	2,099
112	16. BACKUS, C. D., Radiant Energy Telegraphy; Telephony	Sept. 22	Sept. 25	2,513
307	17. RAFTER, G. S., Coating, Label Pasting, and Paper Hanging; Nut and Bolt Locks; Ornamentation; Paper Manufactures; Printing; Type Casting; Sheet-Material Association or Folding; Sheet or Web Feeding or Delivering; Type Setting.	Sept. 21	Jan. 2	1,533
229	18. PORTER, M. E., Liquid Heaters and Vaporizers; Motors, Expansible-Chamber Type; Power Plants; Speed-Responsive Devices.	Sept. 16	Sept. 18	2,076
236	19. GLASCOCK, E. S., Automatic Temperature and Humidity Regulation; Furnaces; Heating Systems; Stoves and Furnaces; Thermostats and Humidostats.	*Jan. 3	*Mar. 27	756
179	20. WRIGHT, H., Artificial Body Members; Miscellaneous Hardware; Closure Fasteners; Cutlery; Dentistry; Locks and Latches; Safes; Undertaking.	Dec. 8	Dec. 2	2,096
212	21. THURBER, W. L., Winding and Reeling; Textiles—Braiding, Netting, or Lace Making, Cloth Finishing, Fiber Preparation, Knitting, Spinning, Twisting or Twining, Weaving.	Sept. 19	*Mar. 1	1,030
249	22. COLWELL, J. H., Aeronautics; Firearms; Ordnance; Ammunition and Explosive Devices; Ammunition and Explosive-Charge Making; Air Guns, Catapults, and Targets; Boats and Buoys; Ships; Marine Propulsion.	Oct. 21	*Jan. 11	596
217	23. GROESBECK, W. D., Acoustics; Coin Handling; Recorders; Registers Sound Recording and Reproducing.	Sept. 7	Sept. 20	892
144	24. DURAS, C. O., Apparel; Apparel Apparatus; Garment Supporters; Sewing Machines	Sept. 15	Nov. 29	1,429
315	25. LIGHTFOOT, J. H., Agitating; Butchering; Centrifugal-Bowl Separators; Mills; Threshing; Vegetable and Meat Cutters and Comminutors; Gas Separation.	*Jan. 26	*Feb. 9	532
105	26. HODGES, J. S., Electricity, Generation; Motive Power; Prime-Mover Dynamo Plants	Sept 16	Oct. 12	953
214	27. ANDERSON, L. S., Brush, Broom, and Mop Making; Brushing, Scrubbing, and General Cleaning; Laundry; Washing Apparatus.	Sept. 1	Sept. 2	1,596
225	28. BENSON, A. R., Internal-Combustion Engines	Oct. 25	Nov. 10	1,492
147	29. MORRIS, B. N., Abrading; Boring and Drilling; Button Making; Chucks or Sockets; Coopering; Tool-Handle Fastenings; Wheelwright Machines; Wood Sawing; Wood Turning; Woodworking; Woodworking Tools.	Sept. 9	Oct. 24	1,291
152	30. SULLIVAN, M. R., Illuminating Burners; Illumination; Liquid and Gaseous Fuel Burners; Typewriting Machines.	Oct. 9	*Mar. 10	1,945
172	31. HOLMES, W. N., Alcohol; Ammonia, Water, and Wood Distillation; Charcoal and Coke; Gas, Heating and Illuminating; Hydraulic Cement and Lime; Mineral Oils; Oils, Fats, and Glue; Sugar, Starch, and Carbohydrates; Concentrating Evaporators.	Sept. 16	Oct. 6	1,706
278	32. BANCROFT, J. F., Gas and Liquid Contact Apparatus; Heat Exchange	Oct. 2	Oct. 11	1,374
70	33. WYMAN, W. I., Bridges; Hydraulic and Earth Engineering; Masonry and Concrete Structures; Metallic Building Structures; Roads and Pavements; Roofs; Rod Joints or Couplings; Pipe Joints or Couplings; Valved Pipe Joints or Couplings.	Sept. 27	Oct. 24	1,709
304	34. SIMPSON, G. R., Electricity-Transmission to Vehicles; Pneumatic Dispatch; Railways; Railway Rolling Stock; Railway Switches and Signals; Railways, Surface Track; Railway Wheels and Axles; Store Service; Track Sanders; Vehicle Fenders.	Dec. 11	*Jan. 20	801
52	35. REYNOLDS, E. C., Buckles, Buttons, Clasps, Etc.; Card, Picture, and Sign Exhibiting; Signals and Indicators; Toilet.	*Feb. 6	*Mar. 17	1,164
204	36. MORTON, G. L., Automatic Weighers; Driers; Geometrical Instruments; Measuring Instruments; Force Measuring.	Dec. 27	Dec. 1	2,033
167	37. TAYLOR, E. C., Electricity, Circuit Makers and Breakers	Sept. 20	Sept. 27	1,987
378	38. IDE, G. R., Animal Husbandry; Earth Boring; Fishing, Trapping, and Vermin Destroying; Mining, Quarrying, and Ice Harvesting; Stationery; Stoneworking; Wells.	Sept. 16	Sept. 15	1,933
220	39. COWLES, A. W., Fluid-Pressure Regulators; Multiple Valves; Valves; Water Distribution	Sept. 19	Sept. 21	1,424
269	40. OBERLIN, J. J., Baggage; Bottles and Jars; Cloth, Leather, and Rubber Receptacles; Deposit and Collection Receptacles; Metallic Receptacles; Package and Article Carriers; Paper Receptacles; Special Receptacles and Packages; Woolen Receptacles.	Sept. 20	*Mar. 13	2,232
125	41. BROWN, J. I., Land Vehicles, Wheels and Axles; Resilient Tires and Wheels	Dec. 12	Dec. 4	928
114	42. CUTTING, H. O., Electrical Conduits and Housings; Electric Signaling; Electric Lamps	Oct. 19	Nov. 18	1,672
382	43. HOPKINS, F. M., Baths and Closets; Electricity, Medical and Surgical; Fire Extinguishers; Sewerage; Surgery; Liquid Separation or Purification.	Oct. 23	Oct. 23	1,355
253	44. SHAFFER, C. H., Bread, Pastry, and Confection Making; Dispensing; Dispensing Beverages; Filling and Closing Portable Receptacles; Railway Draft Appliances; Refrigeration.	Sept. 27	*Feb. 16	1,229
379	45. GILES, A. H., Journal Boxes, Pulleys, and Shafting; Lubrication; Motors; Spring Devices	Oct. 28	Oct. 11	1,526
332	46. WOLCOTT, C. L., Curtains, Shades, and Screens; Educational Appliances; Fire Escapes; Ladders; Fluid Sprinkling, Spraying, and Diffusing; Paper Files and Binders; Wooden Buildings; Scaffolds.	Nov. 11	Dec. 11	1,445
264	47. BARKER, H., Brakes; Clutches and Power Stop Control; Elevators; Fluid-Pressure Brake and Analogous Systems; Horology; Time-Controlling Mechanism.	Oct. 30	*Jan. 8	1,191
118	48. ROEPKE, O. B., Electricity Conductors; Electricity, General Applications	Sept. 13	Sept. 27	2,379
383	49 EDINBURG, F. P., Check-Controlled Apparatus; Domestic Cooking Vessels; Fuel and Igniting Devices; Joint Packings; Packed Shaft or Rod Joints; Pneumatics; Velocipedes.	Oct. 16	Oct. 11	658
102	DESIGNS: C. O. MARKHAM (Acting)	Oct. 28	*Feb. 1	2,743
163	TRADE-MARKS, LABELS AND PRINTS: T. L. MEAD, JR. {Trade-Marks	*Feb. 23	*May 5	3,567
	{Labels and Prints	*July 7	*July 7	30

DECISIONS IN PATENT AND TRADE-MARK CASES.

Court of Appeals of the District of Columbia.

ROBERTSON, COMMISSIONER OF PATENTS, AND FALL, SECRETARY OF THE INTERIOR, *v.* THE UNITED STATES OF AMERICA, EX REL. BAFF.

Decided December 4, 1922.

1. ATTORNEYS—DISBARMENT—PREMATURE PETITION FOR MANDAMUS.

   The filing of a petition for mandamus praying for a writ directing the Commissioner of Patents to vacate an order of disbarment and to reinstate the petitioner as a registered attorney of the Patent Office is premature if made after the attorney has applied for reinstatement on the ground of irregularities in the proceedings against him and before his application has been denied and the order of disbarment has become final.

2. DUTIES WHICH AMOUNT TO A JUDICIAL FUNCTION.

   The authority to hear and determine a mixed question of law and fact upon evidence, written or oral, coupled with a power after such hearing to render a decision affecting the material rights and interests of anyone is a judicial function, and such hearing, determination, and decision are characteristic of judicial proceedings.

3. SAME—DISBARMENT PROCEEDINGS BY COMMISSIONER OF PATENTS UNDER SECTION 487, REVISED STATUTES, ARE JUDICIAL IN CHARACTER.

   The Commissioner of Patents was authorized by section 487, Revised Statutes, to hear and determine the charges against Baff and upon the evidence submitted to him to render a decision affecting the material rights and interests of the accused. *Held*, therefore, that the proceedings before and by the Commissioner were judicial in character.

4. SAME—REVIEW AND APPROVAL BY THE SECRETARY OF THE INTERIOR ARE JUDICIAL ACTS.

   The review and approval by the Secretary of the Interior, designed, as they were, to correct errors or mistakes affecting the rights of patent attorneys, took the place of the usual judicial safeguards provided for established courts, and completing, as they did, the whole proceedings must be regarded as judicial acts.

5. SAME—JUDICIAL AUTHORITY CAN NOT ORDINARILY BE DELEGATED, BUT CONGRESS HAS POWER TO AUTHORIZE DELEGATION.

   As an abstract proposition it is true that judicial authority can not be delegated, but Congress, having the power to clothe an executive or administrative officer with judicial functions, has power to authorize their delegation.

6. SAME—CONGRESS CAN AUTHORIZE THE SECRETARY OF THE INTERIOR AND COMMISSIONER OF PATENTS TO DELEGATE DISBARMENT CASES TO SUBORDINATES.

   If Congress could by statute legally authorize the Secretary of the Interior and the Commissioner of Patents to hear, determine, and finally decide disbarment cases, it could by statute legally empower those officials to delegate the performance of such duties to a designated subordinate.

7. SAME—UNDER THE PROVISIONS OF SECTION 439, REVISED STATUTES, THE SECRETARY OF THE INTERIOR MAY ASSIGN JUDICIAL DUTIES, INCLUDING THE APPROVAL OF DISBARMENT PROCEEDINGS, TO THE ASSISTANT SECRETARY.

   Section 439, Revised Statutes, provides that the Assistant Secretary of the Interior shall perform such duties in the Department of the Interior as should be prescribed by the Secretary or may be required by law. Baff insisted that the duties which may be assigned to the Assistant Secretary under that provision are administrative, not judicial, duties, and that consequently his approval of the disbarment proceedings was extra-official and void. *Held* that this construction is erroneous, inasmuch as it reads into the statute language which Congress did not use to make manifest its legislative intention.

8. CONSTRUCTION OF STATUTE—NOT WARRANTED IF ITS MEANING IS CLEAR.

   Unless the language of a statute is vague, dubious, uncertain, indefinite, or ambiguous, or conveys a meaning that is absurd or in contradiction of other parts of the legislative purpose made evident by the enactment itself, there is no room for construction, and the meaning of the terms actually employed in drafting a law must be accepted as manifesting the legislative intent.

9. ORDER AND JUDGMENT GRANTING WRIT DIRECTING SECRETARY AND COMMISSIONER TO VACATE ORDER OF DISBARMENT REVERSED.

   The order and judgment granting the writ as prayed for *Reversed* with costs and the case remanded for further proceedings.

Mr. C. E. Wright and *Mr. E. S. Booth* for appellants.

Mr. A. L. Newmyer and *Mr. Max Rhoade* for appellee.

Before SMYTH, Chief Justice, ROBB, Associate Justice, and SMITH, Judge of the U. S. Court of Customs Appeals.

SMITH, *J.:*

William E. Baff, enrolled as an attorney entitled to practice in the Office of the Commissioner of Patents, was charged with gross misconduct in his capacity as such attorney, and the Commissioner in an order setting out the charges cited Baff to show cause why he should not be disbarred from practice in the United States Patent Office.

Baff appeared on the hearing of the order to show cause and objected to the jurisdiction of the Commissioner on the ground that the remedy against him by those aggrieved was a civil suit rather than disbarment. He also claims that he made other objections to the hearing of the charges before the Commissioner, but it affirmatively appears that his objections, whatever they may have been, were overruled and that a hearing of the charges was had. That hearing resulted in an order of disbarment which was approved on the 18th of March, 1921, by the Assistant Secretary of the Interior.

The attorney then applied in writing to the Commissioner of Patents for reinstatement with all the rights and privileges enjoyed by him prior to the order of disbarment on the ground, first, that he had not been permitted to confront or cross-examine the witnesses against him; second, that the order of disbarment had been approved by the Assistant Secretary and not by the Secretary of the Interior as required by the provisions of section 487 of the

Revised Statutes; third, that Commissioner of Patents Coulston, who presided at the hearing to show cause, was prejudiced against him and therefore disqualified from passing on the charges.

Thomas E. Robertson, the successor of Coulston as Commissioner, held that the application for reinstatement should have been addressed to the Secretary of the Interior and he therefore refused to reinstate the applicant for want of jurisdiction, but was careful to state that if the matter was referred to him by the Secretary, a recommendation as to the application would be made. Whereupon Baff on the 10th of June, 1921, applied to the Secretary of the Interior for reinstatement, with the result that the case was on the 18th of August, 1921, remanded by the Assistant Secretary of the Interior to the Commissioner of Patents. The remand ordered that a hearing be granted to the relator for the purpose of enabling him to establish his claim that at the trial of the charges he had objected to the introduction of affidavits and had demanded the right to cross-examine the witnesses against him. A copy of the remand was served on the attorneys for the relator and a hearing in conformity therewith was tendered on the 29th of August, 1921.

Notwithstanding that tender, however, the relator elected not to avail himself of the opportunity to be heard and on the 29th of August, 1921, he filed a petition for mandamus praying for a writ directing the respondents to vacate the order of disbarment and to reinstate him as a registered attorney of the Patent Office. The respondents by their amended answer pleaded in defense the facts above recited to which the relator demurred. The demurrer was sustained and the respondents having declined to make any further amendent, judgment was entered directing the writ to issue as prayed for.

From that judgment this appeal was taken and a reversal is asked for on the ground that the court below erred, first, in issuing the writ before disbarment of the relator was finally ordered by the respondents and while the proceeding for disbarment was still pending before the Commissioner; second, in ruling that the Assistant Secretary had no power to approve the order of disbarment.

[1] The admitted allegations of the petition for mandamus and the averments of the answer, which on demurrer must be accepted as true, establish in our opinion that no final conclusion was reached by the respondents as to the disbarment of the relator and that the proceedings for that purpose were still pending before the Commissioner of Patents. It is true that an order for disbarment was actually made by Commissioner Coulston and that order was approved by Assistant Secretary Hopkins. It is also true, however, that after that order was made, the relator applied to the Secretary of the Interior for reinstatement on the ground that his disbarment was unlawful for the reasons stated in his application. That application was a direct attack on the decision of the Commissioner and the approval of the Secretary. It had for its purpose the vacation of the order of disbarment and had the attorney taken advantage of the order remanding the case to the Commissioner and of the tender formally made to him by the latter, the hearing ordered by the remand might well have resulted in a retrial of the whole matter. The attorney having applied to the Secretary for reinstatement on the ground of irregularities in the proceedings against him, the order of the Commissioner stood suspended while the application or motion to vacate, modify or correct it was pending and the relator had no ground for complaint until his application had been denied and the order of disbarment had become final. The filing of the petition for mandamus was therefore premature and on that ground alone the judgment appealed from should be reversed.

However, to avoid delay and expense as well as the encumbering of calendars with further litigation as to the vital question raised by the appeal, we think it proper to determine whether the Assistant Secretary of the Interior has the power to approve an order of disbarment.

The proceedings against Baff were had under section 487 of the Revised Statutes which section reads as follows:

> Sec. 487. For gross misconduct the Commissioner of Patents may refuse to recognize any person as a patent-agent, either generally or in any particular case; but the reasons for such refusal shall be duly recorded, and be subject to the approval of the Secretary of the Interior.

The appellee contends that the official action contemplated by that section is judicial in nature and that the Secretary's approval of an order of the Commissioner disbarring an attorney from practice is a judicial attribution. It is further argued that a judicial function can not be delegated and that therefore even if authorized by the Secretary of the Department, the Assistant Secretary of the Interior had no right whatever to approve an order of disbarment.

[2] The authority to hear and determine an issue of fact or a mixed question of law and fact upon evidence, written or oral, coupled with a power after such hearing and determination to render a decision affecting the material rights and interests of anyone is a judicial function and such hearing, determination and decision are characteristic of judicial proceedings. (*Marine, Collector,* v. *Lyon et al.*, 65 Fed., 992, 994; *Stone, Collector,* v. *Whitridge White & Co.*, 129 Fed., 33, 36; *Sinking Fund Cases*, 99 U. S., 700, 761; *Runkle* v. *United States*, 122 U. S., 503, 555.)

[3] The Commissioner of Patents was authorized by section 487 to hear and determine the issues of fact raised by the charges against Baff and upon the evidence submitted to him to render a decision affecting the material rights and interests of the accused. We must therefore hold that, in hearing the charges, determining the facts, deciding the case, the Commissioner was performing a judicial duty and that the proceedings before and by him were judicial in character.

[4] The review and approval of the Secretary of the Interior, designed as they are to correct errors or mistakes affecting the rights of patent attorneys, take the place of the usual judicial safeguards provided for established courts and completing as they do the whole proceeding, must be regarded as judicial acts.

That Congress had the right to vest the Commissioner and the Secretary of the Interior with the powers specified in section 487 is not questioned but it is strenuously contended that as such powers were judicial they could not be delegated.

[5] As an abstract proposition it is true that judicial authority can not be delegated, but can it be said, no constitutional inhibition intervening, that Congress, having the power to clothe an executive or administrative officer with judicial functions, has no power to authorize their delegation. The organic law of the land might have limited the exercise of judicial faculties to judges learned in the law, or it might have prohibited the delegation of such faculties once vested, but if it imposed no such limitation or prohibition, and it is not claimed that it did, can the judicial department of the Government restrict the legislative will to bounds not constitutionally defined? We think not.

[6] If Congress could by statute legally authorize the Commissioner of Patents and the Secretary of the Interior to hear, determine and finally decide disbarment cases, it could, by statute, legally empower those officials to delegate the performance of such duties to a designated subordinate.

[7, 8] Section 439 provides that the Assistant Secretary of the Interior shall perform such duties in the Department of the Interior as should be prescribed by the Secretary or may be required by law. The relator insists that the duties which may be assigned to the Assistant Secretary under that provision are administrative, not judicial duties, and that consequently his approval of the disbarment order was extra-official and void. We can not agree with that construction inasmuch as it reads into the statute language which Congress did not use to make manifest its legislative intention. The section says that the Assistant Secretary shall perform such *duties*, not such administrative duties, as the Secretary shall prescribe, and having said that, it does not lie with the courts to legislate into the law a word which Congress carefully omitted. The clear intention of the section was to permit the Secretary to relieve himself of those duties to which in his judgment he could not give proper attention and that purpose might well be defeated in part at least by the introduction of what would be nothing less than a judicial, if not injudicious, amendment. Such legislation is in the interest of governmental efficiency and its value should not be lightly impaired or its scope narrowed because of a mere conjecture that the law maker *might* not have meant what he said. Unless the language of a statute is vague, dubious, uncertain, indefinite, or ambiguous, or conveys a meaning that is absurd or in contradiction of other parts of the enactment or in contravention of the legislative purpose made evident by the enactment itself, there is no room for construction and the meaning of the terms actually employed in drafting a law must be accepted as manifesting the legislative intent. (*Lake County* v. *Rollins*, 130 U. S., 662, 670–671; *United States* v. *Goldenberg*, 168 U. S., 95, 102, 103; *The Paulina's Cargo* v. *United States*, 7 Cranch, 52, at p. 60; *Lewis* v. *United States*, 92 U. S., 618, 621; *Thornley* v. *United States*, 113 U. S., 310; *William A. Gardner* v. *John C. Collins*, 2 Pet., 58, 92; *Maxwell et al.* v. *Moore*, 22 How., 185, 191.)

In support of the proposition that the Secretary of the Interior can not delegate his authority to approve a decision of the Commissioner, the appellee cites the case of *Wedderburn* v. *Bliss* (12 App. D. C., 485; 83 O. G., 296) and *Runkle* v. *United States* (122 U. S., 543). We are of the opinion that neither case is decisive of the point under discussion.

In *Wedderburn* v. *Bliss*, the disbarment of the attorney was approved by the Secretary himself. That approval was attacked on the sole ground that it was made without notice to the attorney and without giving him an opportunity to submit by argument or brief his objections to the finding of the Commissioner and to the approval thereof by the Secretary.

Whether the attorney was entitled to be heard by the Secretary of the Interior before approving the charges was therefore the only issue raised and the right of the Secretary to delegate his power of approval was not involved in this case.

Commenting upon the act of 1884, Mr. Justice Morris said that that act left it undetermined how and before whom a hearing was to be had and that there was great plausibility in the theory that the hearing therein provided for should be had by the person who was authorized to take final action. The learned justice then stated that if he were dealing with the action of judicial tribunals he would have no hesitation whatever in so holding and made use of the following language on which the appellee relies:

> A court authorized to decide necessarily is the court authorized to hear, and it may not delegate to anyone its duty to hear any more than it can delegate its function to decide.
>
> • • • • • • •
>
> It is well settled law and a fundamental rule of our governmental system that purely judicial functions can not be conferred upon an executive officer. But of necessity executive officers are frequently vested with discretionary functions of a quasi-judicial character and these can no more be delegated than can strictly judicial authority.

Neither statement can well be regarded as authoritative here for the reason that delegation of authority was not an issue in the case and for the further reason that neither declaration fairly construed denies to Congress the right to authorize a delegation of judicial functions which it had the power to vest in executive or administrative officers. In our opinion Mr. Justice Morris sought to do and did nothing more than to announce the well-known doctrine that courts and judicial functionaries can not on their own initiative delegate the performance of their duties to someone else.

In *Runkle* v. *United States*, an officer of the Army charged with violating an act of Congress and with conduct unbecoming an officer and gentleman was found guilty by court-martial and was sentenced to be cashiered. That sentence, under the provisions of the then 65th Article of War could not become effective until approved by the President of the United States. (2 Stat., 367, ch. 29, art. 106, sec. 1342, R. S.)

The cashiering of the officer was approved by the Secretary of War but not by the President. The Supreme Court of the United States held that the sentence of dismissal could not become effective until approved by the President in person and that as that approval was not administrative but judicial in character it could not be delegated to the Secretary of War. *It was not decided, however, that Congress had no power to authorize the President to delegate to the Secretary of War the performance of that duty.*

Inasmuch as section 216 of the Revised Statutes provides, however, that—

> the Secretary of War shall perform such duties as shall from time to time be enjoined on or intrusted to him by the President relative to military commissions, the military forces • • • or to other matters respecting military affairs,

the appellee argued that the Supreme Court decided *in effect* that presidential approval of a sentence cashiering an Army officer could not be delegated to the Secretary of War notwithstanding a legislative enactment permitting such delegation.

We can not agree that section 216 authorized a delegation of the authority vested in the President by the 65th Article of War and much less that the Supreme Court so decided. That section was not cited in the briefs of counsel in the Runkle case as authorizing a delegation of the judicial functions of the President and it is nowhere referred to or commented upon by the Supreme Court in its opinion, from which it may be fairly presumed that it was not regarded as delegating or attempting to delegate the judicial duties of the President. The duties which may be performed for the President by the Secretary of War under section 216 are such as relate to military commissions, to military forces, to warlike stores of the United States and other matters respecting military affairs. As trial by court-martial is a judicial, not a military proceeding, it is evident that approval of court-martial sentences is a judicial not a military act and is consequently not within the scope of section 216. True enough courts-martial are made up of military officers and the President is Commander-in-Chief of the Army; therefore at least, such officers when they hear, determine and decide charges in court-martial cases and the President, when he approves the sentences imposed, acts not as military but as judicial functionaries.

We are not prepared to say, therefore, that the Supreme Court either expressly or impliedly held that Congress could not legally empower the President to delegate to the Secretary of War the review and approval of court-martial proceedings. The Runkle case is consequently not in point.

[9] The order and judgment granting the writ as prayed for is reversed with costs and the cause remanded for further proceedings not inconsistent with this opinion.

Mr. Justice ROBB concurs upon the first ground.

Supreme Court of the United States.

OLGA GATHMANN FOLEY, ADMINISTRATRIX OF ESTATE OF LOUIS GATHMANN, DECEASED, *v.* UNITED STATES.

Decided January 29, 1923.

1. CONTRACT—BY GOVERNMENT FOR USE OF PATENT—WHEN EFFECTED.

   No contract is effected by a proposal of an inventor to give the Government the option of using his method for certain compensation, which is accepted by the statement that the apparatus will be tested, and, if it works satisfactorily, the agreed compensation will be made, where, after test, the Government informs him that the apparatus has failed, and that other methods will be used in the Government work.

2. SAME—RESCISSION—ACQUIESCENCE—EFFECT.

   One who has offered the Government an option to use his apparatus in its work, for certain compensation, will be held to have acquiesced in the decision of the Government not to use it after test, where for years he makes no response to the letter of rejection.

3. PATENTS—INEVITABLE RESULT—VALIDITY.

   If the addition of moisture to heated air sent by a drying apparatus into contact with green smokeless powder, for the purpose of drying it, when the contact is effected, is inevitable, the use of moistened air for drying purposes is not the subject of patent.

APPEAL by claimant from a judgment of the Court of Claims rejecting a claim for alleged use by the Government of a patent of claimant's intestate. **Affirmed.**

See same case below (56 Ct. Cl., 303).

The facts are stated in the opinion.

Mr. Charles J. Pence, *Mr. L. T. Michener*, and *Mr. P. G. Michener* for the appellant.

Mr. Melville D. Church, *Solicitor General Beck*, and *Assistant Attorney General Lovett* for the appellee.

Mr. Justice MCKENNA delivered the opinion of the Court.

Appeal from judgment of the Court of Claims, dismissing petition of appellant, in which she prayed judgment against the United States for the sum of $236,750.

A summary of the allegations of the petition is as follows: The Government was engaged in the manufacture of smokeless powder at its station at Indian Head, Maryland.

Gathmann had under consideration, with a view to the application for patents, methods of drying the materials of the powder, and, in consequence of conversations with the Chief of the Bureau of Ordnance of the Navy Department, he made to the Bureau the following proposition:

> 1839 VERNON AVE., N. W.,
> *Washington, D. C., March 24, 1903.*
>
> SIR:—The undersigned has made an invention, "Method of drying materials," for which patent has been filed February 9, 1903, Series No. 142,653.
>
> Now, in consideration of the Navy Department building an apparatus for testing this method, without expense to me, I hereby give the Navy Department the option of using my method of drying materials, if they find it to their advantage, by paying to me, my heirs, or my legal representatives, $0.01 (one cent) for each pound of material dried by my method.
>
> Very respectfully,
>
> LOUIS GATHMANN.
>
> Admiral O'NEIL,
> *Chief of Bureau of Ordnance.*

He delivered with the proposition a plan or drawing for an experimental apparatus.

To the proposition the Chief of the Bureau of Ordnance replied as follows:

> 3 Address Bureau of Ordnance, Navy Department, and refer to No. 3585.
>
> WASHINGTON, D. C., *March 26, 1903.*
>
> SIR:—Referring to your communication of March 24th, 1903, offering the Navy Department the option of using your method of drying materials, on payment of 1 cent per pound on materials so dried:
>
> The Bureau has to inform you that it accepts your proposition, and has ordered one experimental apparatus for drying smokeless powder, constructed in accordance with plan submitted by you. This apparatus will be tested without expense to you, and, if it works satisfactorily to the Bureau, the Bureau agrees to pay you, your heirs or legal representatives, 1 cent for each pound of smokeless powder dried by the method covered by your application or applications filed or to be filed with the U. S. Patent Office, provided a patent or patents is or are issued to you therefor.
>
> Respectfully,
>
> CHAS. O'NEIL,
> *Chief of Bureau of Ordnance.*
>
> Mr. LOUIS GATHMANN,
> *1839 Vernon Avenue, Washington, D. C.*

At the time of the conversation of Gathmann with the Chief of Ordnance, and his proposition and the reply to it, he, Gathmann, contemplated applying for patents for his methods, and on February 9, 1903, and subsequent dates, made applications for patents, and patents were issued to him for his methods, and at various times from April, 1909, to April, 1915, the Government made use of the processes and methods covered by the patents in the manufacture of smokeless powder to the amount of 23,675,061 pounds thereof, and became indebted to the estate of Gathmann in the sum of the petition, to wit, $236,750.

A general traverse was filed to the claim. Upon the issues thus formed, and upon considering the evidence taken, the Court of Claims made findings of fact, and from them deduced, as conclusion of law, that appellant was not entitled to recovery, and dismissed her petition.

The court decided that the proposition made by Gathmann's communication and the reply thereto presented an option only, and not a contract, and that it was terminated by the bureau by a letter addressed to Gathmann, October 14, 1904, which was as follows:

> Referring to your apparatus for drying powder, installed at the naval proving ground for trial: The bureau forwards herewith a copy of the report made by the inspector of ordnance in charge of that station for your information. After carefully considering this report the bureau is of opinion that this apparatus has failed to demonstrate anything that would warrant further experiment with it, and the bureau has instructed the inspector of ordnance in charge of the naval proving ground that, when the drier can hold no more samples, the whole amount be put in the dry house until dried to the proper volatiles.

The court decided, besides, that the Government had not used Gathmann's methods. Appellant attacks both rulings, but concentrates her attention upon the first. The existence of the second, she assumes, is demonstrated by the physical laws of nature, of which the court will take judicial notice.

The specifications of error against the first ruling are as follows:

> (1) The letters made an express contract of license for the full term of the patents; (2) the license could not be renounced or ended in any manner except by mutual consent or the fault of Mr. Gathmann; (3) he had the right, after the receipt of the letter of October 14, 1904, to regard the license still in force and to sue for the unpaid royalties, the Government having used the inventions thereafter; (4) what was said prior to the letters of March 26th and 28th, 1903, should not be considered; (5) the Court of Claims should not have considered the development and state of the art prior to the issuance of the patents; (6) the licensee is estopped from denying the validity of the patents.

To estimate these contentions, the findings of the court must be considered. A summary of them, stated narratively, is as follows:

The material of smokeless powder in its first stages is in a plastic condition, containing about 40 per cent of moisture, due to the presence of ether and alcohol, called the "solvent." To make the powder ready for use, the solvent must be reduced to between 4 per cent and 7 per cent, according to caliber. The process requires several months' time. The elements of the solvent were expensive, and it became an object to the Government and its manufacture of the powder to save them for reuse.

As early as 1900 the Government had used, along with other methods of drying, what was known as the closed-circuit method of drying and solvent recovery. In this method there is, generally speaking, a heating chamber, a powder chamber, and a condensing chamber, with the necessary connecting pipes or conduits, and means for effecting circulation of the air in the circuit, as by fan or by gravity. In operation, the warm air from the heating chamber passes on to the powder chamber, where it absorbs solvent from the "green" powder, then passes on to the condensing chamber, where the solvent carried by it is condensed to liquid form, the air then passing on to the heating chamber again for reheating and repetition of the cycle.

When the powder is newly made, or "green," the solvent is given off rapidly; but as the percentage of the solvent in the mass is reduced, it volatilizes less rapidly and comes off less freely. When the solvent is reduced to about 10 per cent, this closed-circuit process is discontinued, and the drying of the powder is completed in the ordinary drying houses.

The plans of the apparatus used by the Government in 1900 were secured from the California Powder Works, of California, by whom the apparatus was understood to have originated. It illustrates "the closed-circuit method."

Louis Gathmann was an inventor, and was interested in improving the method of expediting the manufacture of smokeless powder, and had discussed the question with Admiral O'Neil. The Government at times had two systems; one, for merely drying by hot air, and the other, for both drying and recovery of the solvent. Gathmann claimed a method that would do both in a very much shorter time, and proposed that a test be made. The letters we have quoted grew out of the conferences between Gathmann and Admiral O'Neil, and Gathmann's

representation furnished the chief inducement to the Admiral to enter into the agreement shown by the letters.

Pursuant to the agreement or option shown by the letters, the United States, under the direction and supervision of Gathmann, at its own expense, constructed and exhaustively tested at its Indian Head (Maryland) powder plant the experimental apparatus and method so proposed by Gathmann. The apparatus and method were substantially the same as those shown and described in Gathmann's Letters Patent.

The tests began in October, 1903, and continued until October, 1904, during which time reports of the results obtained by the tests, comparative and otherwise, were periodically made by the officer making the tests, comparison being made with results obtained from concurrent operations under the regular Government method. In making the tests, the instructions and wishes of Gathmann were complied with except that he desired a continuous and unbroken operation, though he had acceded at first to the closing down of the operation of the Government plant on Sundays. His desire was not acceded to.

In the tests the time required for drying the powder was not reduced, nor did it appear that the former methods used and results obtained by the Government in drying and solvent recovery were otherwise improved upon, nor did Gathmann's apparatus work satisfactorily to the Bureau of Ordnance, and, at the close of the tests, Gathmann was so notified by a letter from the Acting Chief of Ordnance.

No change was made in the Government's solvent recovery and drying processes as a result of the test of Gathmann's method.

On June 28, 1904, a patent, No. 763,387, in pursuance to his application of February 9, 1903, was issued to Gathmann. On the same day there was granted to Gathmann and his assignees of a fourth interest therein, United States Patent No. 763,388. These patents and the applications upon which they were granted were the applications and patents in contemplation by Gathmann and Admiral O'Neil in their respective letters of March 24th and 26th, 1903.

Beginning in 1907, the Navy Department, at various times in the manufacture of smokeless powder, used drying and solvent-recovery apparatuses and methods.

They are illustrated by figures attached to the findings. From August 1, 1910, to 1916, an apparatus known as the box-type method was used, in which—

> the circulation is gravity circulation, induced wholly by the heating and the cooling of the air in the different parts of the circuit.

It is not necessary to reproduce the illustrations, and the processes need but little explanation. They are all of the closed-circuit method of drying and solvent recovery. All have a heating chamber, a powder chamber, and a condensing chamber, with connecting pipes or conduits and means of effecting circulation of air in the circuit, as by fan or by gravity. It is not necessary to compare their mechanisms. We think that the apparatus received by the bureau from the California Powder Works did not differ in essential structure from them, and, of course, it differed from that of Gathmann's apparatus. And differed from them necessarily, otherwise Gathmann would have had no purpose in submitting a proposition to the bureau. The difference was in the method—amount of vapor, means "provided," to quote the patent, "to produce a vapor-laden atmosphere in the drying chamber," and "so as to maintain," and to quote the patent further, "a substantially vapor-saturated atmosphere in the drying chamber nearly to the end of the operation of drying * * *." In other words, the vapor from the moisture of the materials was added to "by admitting vapor as steam."

Considering the methods, their illustrations, and the letters exchanged by Gathmann and the Bureau of Ordnance, the conclusion of the Court of Claims was that a contract was not created.

> At most, [the conclusion was,] a mere option was granted by Gathmann to the Government to use his method if found suitable after making a test of certain apparatus furnished by him, which he continued to improve or change.

And again,

> There was never any agreement between the parties to use Gathmann's method, and all we have is, as has been stated, an option granted, declined, and terminated.

[1] This conclusion appellant resists, and insists here, as she insisted in the Court of Claims, that a contract was created, with its comprehensive and determining effect, it having continued, is the contention, after the date of the letters. That a contract existed or continued we cannot concede to appellant. But whether option or contract, we think it was terminated. There was an election given to the Government, to be exercised by it according to the judgment of its officers, of a test of the "experimental apparatus" submitted by Gathmann. The test was made, judgment was exercised, and its effect notified to Gathmann in the letter of October 14, 1904. Gathmann's letter gave "the option of using" his "method of drying materials, if they [Navy Department] find it to their advantage, by paying to" him, his heirs or legal representatives, "$0.01 (one cent) for each pound of material dried by" his "method."

Clearly, therefore, there was a conditional proposal and an acceptance upon the condition that the apparatus, after test, should work "satisfactorily to the bureau." It did not so work, and the bureau so declared to Gathmann.

[2] It is true that there was no response by Gathmann to the letter of the bureau. His silence, however, was tantamount to acquiescence. It does not appear when that silence was broken. The original petition was filed in this case April 17, 1915; that is, more than ten years after the bureau's action in declining the proposal. We think that he could not keep the Government in obligation, uncertainty, and restraint all that time, or even until April, 1909, the first date alleged of the use by the Government of his apparatus. He therefore must be considered as having accepted the decision of the bureau, and the termination of the relation created by the letters, whether it was obligation or option, "right" or "privilege." Responding, therefore, to the contention of appellant that a contract (license, to use appellant's word) can "not be renounced or ended in any manner except by mutual consent or the fault of Gathmann," we think there was such consent,—that which must be considered as tantamount to consent.

We do not think it is necessary to review the claims of the patents, and wherein either of them is an advance upon the uses and knowledge of the world, and, necessarily, including the methods of the Government. The Court of Claims has done this, and, we think, so satisfactorily, that we content ourselves by referring to its opinion. We need only to say that Gathmann emphasized the distinction of his patents from all that preceded them as using a "vaporous or vapor-laden atmosphere," and that such necessarily existed or will occur in the methods used by the Government.

[3] It is counsel's contention that it is—

> inevitable that vaporous and vapor-laden atmosphere would be created the instant the heated air came in contact with the green powder, and would continue vaporous and vapor-laden until all of the alcohol and ether were extracted from the powder, or the powder be removed from the drier.

And of this, it is asserted, this court takes judicial notice as "the law of physics;" and the further assertion is that—

> of course, this contact of the heated air with the alcohol and ether caused the air to become vapor laden, whether the defendant wished it or not.

The assertions prove too much. They leave the patents without basis, and the distinction they express and dwell on as merely verbal. If the asserted result was inevitable in the method of the patents, it was inevitable in the method in use prior to the patents; and, we repeat, the patents are left without justification.

The conclusion, therefore, must be that if the methods of the patents are different from the prior art by reason of the "initial vapor-laden atmosphere by admitting vapor as steam," the Government does not use it; if that be not its distinction, and the methods of the prior art inevitably have it, the patents are no advance upon that art and are invalid.

Judgment affirmed.

PATENT SUITS.

[Notices under section 4921, Revised Statutes, as amende February 18, 1922.]

714,651, T. H. Macdonald, Recording and reproducing sounds, suit filed Jan. 23, 1912, U. S. D. C., D. Mass., Doc. E 307, *American Graphophone Co.* v. *Boston Talking Machine Co.* Final decree dismissing bill for lack of prosecution entered Mar. 19, 1923.

822,146, E. C. Meissner, Pneumatic hammers; 917,242, J. Boyer, same, suit filed May 24, 1923, U. S. D. C., N. D. Ill., Doc. 3547, *Chicago Pneumatic Tool Co.* v. *King Pneumatic Tool Co.*

917,242. (See 822,146.)

942,700, L. H. Baekeland, Condensation product of phenol and formaldehyde and method of making same, suit filed May 25, 1923, U. S. D. C., S. D. N. Y., Doc. E 26/360, *Bakelite Corp.* v. *D. A. Schulte, Inc.*

958,478, W. E. Davey, Process of reenforcing trees, suit filed May 24, 1923, U. S. D. C., N. D. Ill., Doc. 3548, *The Davey Tree Expert Co.* v. *R. W. Johnson.* Same, N. D. N. Y., Doc. 426, *The Davey Tree Expert Co.* v. *W. E. McDougall.*

977,793, W. D. Gibbs, Educational appliances; 1,071,130, Pressure-demonstrating apparatus, suit filed May 10, 1923, U. S. D. C., N. D. Ill., Doc. 3532, *Central Scientific Co.* v. *W. M. Welch Mfg. Co.*

983,994, N. T. Harrington, Carburetors; 984,032, J. B. Seager, same, suit filed May 14, 1923, U. S. D. C., N. D. Ill., Doc. 3537, *H. R. Seager (Executor) et al.* v. *Chevrolet Motor Co.*

984,032. (See 983,994.)

1,015,551, H. C. Gamage, Dust guards for car-axle boxes, suit filed May 11, 1923, U. S. D. C., N. D. Ill., Doc. 3534, *D. P. Co.* v. *J. H. Sharp et al.*

1,045,772. (See 1,208,126.)

1,070,406, F. E. Butterfield, Method of making stiffened fore parts of boot and shoe uppers, suit filed Mar. 11, 1915, U. S. D. C., D. Mass., Doc. E 629, *Beckwith Box Toe Co.* v. *E. L. Gowdy et al.* Interlocutory decree for injunction and accounting entered Aug. 19, 1916. Final decree for injunction entered May 25, 1923.

1,071,130. (See 977,793.)

1,124,694, Butterfield & Butterfield, Box toes and blanks therefor, suit filed Mar. 11, 1915, U. S. D. C., D. Mass., Doc. E 630, *Beckwith Box Toe Co.* v. *E. L. Gowdy et al.* Interlocutory decree for injunction and accounting entered Aug. 19, 1916. Final decree for injunction entered May 25, 1923.

1,137,443, C. N. Ackerman, Screw-holding insert; 1,164,903, same, Tool for setting screw anchors, suit filed May 18, 1923, U. S. D. C., N. D. Ill., Doc. 3542, *Ackerman-Johnson Co.* v. *R. S. Peirce et al.*

1,164,815, S. A. Hunter, Wrench, suit filed July 30, 1921, U. S. D. C., E. D. Wis., Doc. C. D. 1136, *Walden-Worcester, Inc.* v. *American Grinder Mfg. Co. et al.* Decree dismissing bill for want of equity May 9, 1923.

1,164,903. (See 1,137,443.)

1,208,126, J. E. Francisco, Lubricating system for motors; 1,045,772, H. E. Coffin, Lubricators, suit filed May 28, 1923, U. S. D. C., S. D. Calif., Doc. G 106, *W. O. Thompson* v. *B. & H. Mfg. Co. et al.*

1,216,140, A. Kurtz, Lining for hats, suit filed Apr. 21, 1920, U. S. D. C., D. Mass., Doc. E 999, *A. Kurtz et al.* v. *A. Hurwitz et al.* Final decree for injunction by consent entered Feb. 26, 1923. Injunction issued Mar. 17, 1923.

1,216,421, E. R. Draver, Shock absorber for cantilever springs, decree of dismissal without prejudice entered Apr. 26, 1923, U. S. D. C., S. D. Calif. (N. D.), *The Marvel Shock Absorber Co. et al.* v. *R. Ragsdale et al.* (*Ragsdale Shock Absorber Co.*).

1,229,102. B. E. Lloyd, Talking doll. Final decree for plaintiff, sustaining patent, adjudging infringement, and granting injunction filed Jan. 10, 1923, U. S. D. C., S. D. N. Y., *B. E. Lloyd et al.* v. *K. & K. Toy Co., Inc.*

1,235,697, J. Kelling, Fleshing machines; 1,382,126, Schroedter & Kelling, same, suit filed Oct. 18, 1921, U. S. D. C., E. D. Wis., Doc. C. D. 1160, *Monarch Fleshing Machine Co.* v. *J. Laskin et al.* Decree holding patents valid and infringed Apr. 30, 1923.

1,263,879, A. Gerosa, Lugs for power-plant support for motor vehicles, suit filed May 12, 1921, U. S. D. C., D. R. I., Doc. 133, *Hudson Motor Specialties Co.* v. *Apco Mfg. Co.* Final decree May 18, 1923, dismissing bill, enjoining plaintiffs, and referring cause to master.

1,382,126. (See 1,235,697.)

1,383,845, W. H. Palmer, jr., Storage-battery connector, suit filed May 7, 1923, U. S. D. C., N. D. Ill., Doc. 3526, *The Electric Storage Battery Co.* v. *Holland Brass Works.*

1,388,669, C. E. Stahl, Combined driving and steering gear; 1,435,990, M. Sorensen, Steering gear, suit filed May 24, 1923, U. S. D. C., E. D. Wis., Doc. C. D. 1327, *Austin Machinery Corp.* v. *Pawling & Harnischfeger Co.*

1,398,372, R. F. Gowen, Coil mounting, suit filed May 19, 1923, U. S. D. C., D. R. I., Doc. 170, *De Forest Radio Telephone & Telegraph Co.* v. *Coto-Coil Co.*

1,430,499, 1,447,655, J. B. Gats, Visors for automobiles, suit filed May 15, 1923, U. S. D. C., N. D. Ill., Doc. 3588, *A. M. Searles* v. *Grigsby-Grunow-Hinds Co. et al.*

1,435,990. (See 1,388,669.)

1,438,440, H. F. Jackson, Advertising devices, suit filed May 23, 1923, U. S. D. C., W. D. Wis., Doc. F. E. 39, *L. R. Conwell* v. *Parker Pen Co.* Consent decree filed May 29, 1923. Injunction issued.

1,447,655. (See 1,430,499.)

Des. 56,698, O. H. Hicks, Radiator caps, suit filed May 12, 1923, U. S. D. C., N. D. Ill., Doc. 3536, *White Products Co.* v. *Krone-Sebek Die Casting Mfg. Co.*

TRADE-MARKS CANCELED.

115,924. Velvets, velvettas, velveteens, corduroys, moleskins, beaverteens, and other fustian cloths. Balstone, Cooke & Co., Ld., of Manchester, England. Registered March 27, 1917. Canceled May 9, 1923.

130,095. Gold and platinum alloy metal for dental inlays and bridgework. M. F. Patterson Dental Supply Company, of Chicago, Ill., and St. Paul, Minn. Registered April 6, 1920. Canceled April 17, 1923.

157,032. Brake linings. Albert J. Conard, of Kansas City, Mo. Registered July 25, 1922. Canceled April 17, 1923.

TRADE-MARKS

OFFICIAL GAZETTE, JULY 24, 1923.

[VOL. 312. No. 4.]

The following trade-marks are published in compliance with section 6 of the act of February 20, 1905, as amended March 2, 1907. Notice of opposition must be filed within thirty days of this publication.

Marks applied for "under the ten-year proviso" are registrable under the provision in clause (b) of section 5 of said act as amended February 18, 1911.

As provided by section 14 of said act, a fee of ten dollars must accompany each notice of opposition.

Ser. No. 134,088. (CLASS 35. BELTING, HOSE, MACHINERY PACKING, AND NON-METALLIC TIRES.) RICHMOND PISTON RING CO., Richmond, Ind. Filed June 23, 1920.



Particular description of goods.—Piston Rings.
Claims use since May 1, 1920.

Ser. No. 142,046. (CLASS 4. ABRASIVE, DETERGENT, AND POLISHING MATERIALS.) TETRALIN-GESELLSCHAFT MIT BESCHRÄNKTER HAFTUNG, Berlin, Germany. Filed Jan. 10, 1921.

Tetralin

Particular description of goods.—Soaps in Solid, Liquid, or Powdered Form; Liquids, Powders, and Pastes for Cleaning or Scouring Metal, Stone, Wood, Painted or Varnished Surfaces, Furniture, Floors, or Wainscoting; and for a Metal-Polishing Preparation.
Claims use since Dec. 12, 1906.

Ser. No. 144,309. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) BEGLEY MECHANICAL CORPORATION, New York, N. Y. Filed Mar. 5, 1921.

TEL-U

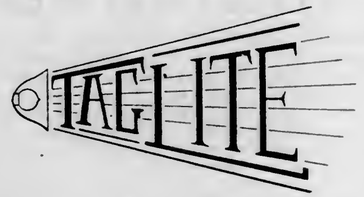
Particular description of goods.—Automobile Stop and Direction Indicators.
Claims use since Dec. 1, 1920.

Ser. No. 144,757. (CLASS 29. BROOMS, BRUSHES, AND DUSTERS.) WHITE PRODUCTS COMPANY, Chicago, Ill. Filed Mar. 14, 1921.

WHITE LINE

Particular description of goods.—Automobile Windshield Wipers.
Claims use since February, 1920.

Ser. No. 145,110. (CLASS 21. ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES.) TAMEKICHI KATAGI, Seattle, Wash. Filed Mar. 23, 1921.



Applicant disclaims any right per se in the word "Tag-lite" apart from the mark shown in the drawings and the distinctive way in which it is spelled.
Particular description of goods.—Electrical Stop and Direction Signal Light Systems for Vehicles.
Claims use since February, 1921.

Ser. No. 145,596. (CLASS 50. MERCHANDISE NOT OTHERWISE CLASSIFIED.) SUPREME ORIENT O. O. H. & P., Schenectady, N. Y. Filed Apr. 1, 1921.



Particular description of goods.—Lapel Buttons.
Claims use since about September, 1907.

Ser. No. 148,279. (CLASS 37. **PAPER AND STATIONERY.**) INDEX VISIBLE, INC., New Haven, Conn. Filed May 26, 1921.



The words "New Haven, Conn., U. S. A.," are disclaimed.
Particular description of goods.—Card Indexes, Index Cards, Index-Card Cases, Index-Card Cabinets, Index-Card Tabs, Card Holders, Card Signals, and Card Sheaths.
Claims use since in or about July, 1920.

Ser. No. 149,873. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) J. H. WILLIAMS & Co., Brooklyn, N. Y. Filed June 30, 1921. Under ten-year proviso.

WILLIAMS

Particular description of goods.—Wrenches, Screw Wrenches, Socket Wrenches, Adjustable Wrenches, Automobile Wrenches, Pipe Wrenches, Chain Pipe Wrenches, Spanner Wrenches, Wrench Sets, Vises, Pipe Vises, Chain Pipe Vises, Vise Mounts, Vise Clamps, Crank Shafts, Center Keys, Shafting Collars, Machine Handles, and Connecting Rods, Igniter Levers, Starting Levers, and Valve Stems, All for Gas Engines, and Rod Ends, Yoke Ends, Keys, Balance Handles, Crank Handles, and Levers, All for Use in Machinery, Machine Tools, Gas Engines, and Automobiles; Wire-Rope Sockets, and Drifts for Use in Removing Drills from Sockets, Tool Posts, Tool-Post Rings, Tool-Post Wedges, Tool-Post Fittings, Clamps, Strap Clamps, C Clamps, Machinists' Clamps, Clamp Dogs, Lathe Dogs, Milling-Machine Dogs, Milling Tools, Rivet Sets, Boring Bars, Boring Tools, Boring-Tool Posts, Packing Tools, Automobile Rim Tools, Cutting-Off Tools, Side Tools, Knurling Tools, Lathe Tools, Planing Tools, Grinding Tools, Threading Tools, Turning Tools, Pipe Tools, Tool Sets, Tool Holders and Cutters Therefor, Pipe Cutters, Hammers, Hatchets, Pliers, and Screw Drivers.
Claims use since 1883.

Ser. No. 149,884. (CLASS 50. MERCHANDISE NOT OTHERWISE CLASSIFIED.) GEORGE W. BROOKS, Topeka, Kans. Filed July 1, 1921.

BLASTEEL

Particular description of goods.—Blackboards.
Claims use since May 12, 1921.

Ser. No. 152,036. (CLASS 21. ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES.) STAR ELECTRIC MOTOR CO., Newark, N. J. Filed Aug. 22, 1921.



Particular description of goods.—Electric Motors, Electric Generators, and Electric Fans.
Claims use since June 1, 1912.

Ser. No. 152,037. (CLASS 21. ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES.) STAR ELECTRIC MOTOR CO., Newark, N. J. Filed Aug. 22, 1921.



Particular description of goods.—Electric Motors, Electric Generators, and Electric Fans.
Claims use since May 1, 1920.

Ser. No. 152,428. (CLASS 39. CLOTHING.) JULIUS LAND, doing business as Vanitie Hat Co., New York, N. Y. Filed Aug. 31, 1921.



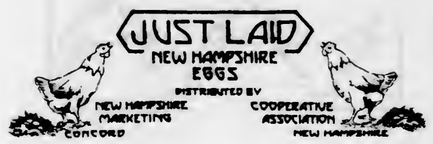
Particular description of goods.—Ladies', Misses', and Children's Hats.
Claims use since January, 1917.

Ser. No. 153,036. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) THOMAS J. FITZPATRICK, Gloversville, N. Y. Filed Sept. 17, 1921.



No claim is made to the use of the word "Bread" apart from the mark shown upon the drawing, although applicant specifically reserves all common-law rights thereto.
Particular description of goods.—Bread.
Claims use since Jan. 1, 1921.

Ser. No. 153,101. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) NEW HAMPSHIRE CO-OPERATIVE MARKETING ASSOCIATION, INC., Manchester, N. H. Filed Sept. 19, 1921.



All the reading matter shown on the drawing is disclaimed apart from the other features of the mark.
Particular description of goods.—Fresh Eggs.
Claims use since Aug. 15, 1921.

Ser. No. 155,277. (CLASS 34. HEATING, LIGHTING, AND VENTILATING APPARATUS, NOT INCLUDING ELECTRICAL APPARATUS.) STACK HEATER COMPANY, Boston, Mass. Filed Nov. 10, 1921.



Particular description of goods.—Direct and Indirect Water Heaters, Instantaneous Water Heaters, and Automatically-Controlled Water Heaters Heated by Oil, Gas, or Vapor.
Claims use since Apr. 1, 1919.

Ser. No. 155,665. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) CAMPANIA IMPORTING COMPANY, INC., New York, N. Y. Filed Nov. 21, 1921.



The upper portion of the shield is lined for green and the lower portion for red.
Particular description of goods.—Olive Oil.
Claims use since July 23, 1921.

Ser. No. 155,668. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) DUNLEVY PACKING COMPANY, Pittsburgh, Pa., assignor to Dunlevy-Franklin Company, a Corporation of Pennsylvania. Filed Nov. 21, 1921. Under ten-year proviso.

DUNLEVY

Trade-mark consists of the word "Dunlevy."

Particular description of goods.—Butter, Margarines, Eggs in the Shell, Lard; Fresh, Cooked, Cured, Dried, Salted, Smoked, and Preserved Meats, and Cheese and Sausage Products.

Claims use since 1882.

Ser. No. 156,473. (CLASS 11. INKS AND INKING MATERIALS.) SIGMUND ULLMAN COMPANY, New York, N. Y. Filed Dec. 8, 1921.



The oblique shade lines do not represent color.

Particular description of goods.—News Ink, Rotary-Press Inks, Cylinder-Press Inks, Cylinder-Job Blacks, Combination Half-Tone Blacks, Combination Job Blacks, Special and Colored Blacks, Special Colored Inks, Red Inks, Blue Inks, Green Inks, Brown Inks, Yellow Inks, Purple Inks, White Inks, Tints, Copyable Inks, Typewriter Imitation Inks, Gold and Silver Inks, Satin Inks, Poster Inks, Etching Inks, Process Inks, Wet-Process Inks, Fugitive Tints, Engravers' Woodcut Proof Inks, Collotype (Lichtdruck) Inks, Lithographic Inks, Steel and Copper Plate Inks, Offset Inks, Paging Inks, Bookbinders' Inks, Plate and Die-Stamping Inks, Alkali-proof Inks, Double-Tone Inks, Bond-Paper Inks, Cover Inks, Photogravure Inks, Dry Colors, Driers, Varnishes, Gloss Varnishes, Plate Oils and Varnishes, Bronze Powders, Inks for All Processes in the Printing Industry.

Claims use since January, 1898.

Ser. No. 157,084. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) TASTY BAKING COMPANY, Philadelphia, Pa. Filed Dec. 23, 1921.

TEMPTY

Particular description of goods.—Cake.

Claims use since Dec. 16, 1921.

Ser. No. 161,728. (CLASS 21. ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES.) THE HART & HEGEMAN MANUFACTURING COMPANY, Hartford, Conn. Filed Apr. 4, 1922.



Particular description of goods.—Electrical Switches.

Claims use since on or about Dec. 7, 1921.

Ser. No. 161,992. (CLASS 21. ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES.) GENERAL LEAD BATTERIES COMPANY, Newark, N. J. Filed Apr. 10, 1922.

DURO

Particular description of goods.—Lead Storage Batteries and Parts.

Claims use since Feb. 1, 1922.

Ser. No. 162,667. (CLASS 21. ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES.) THE CLEVELAND RADIO MANUFACTURING COMPANY, Cleveland, Ohio. Filed Apr. 21, 1922.

THE CLEVELAND

Particular description of goods.—Radio Sets and Coupling Coils, Condensers, Detectors, Inductances, Batteries, Transmitters, Receivers, Tubes, Amplifying Devices, Transformers, Generators, Alternators, Antennas, and Parts Thereof.

Claims use since Mar. 20, 1922.

Ser. No. 163,211. (CLASS 13. HARDWARE AND PLUMBING AND STEAM-FITTING SUPPLIES.) ACHESON MANUFACTURING COMPANY, Rankin, Pa. Filed May 2, 1922.

M

Particular description of goods.—Pipe Fittings, Comprising L's, Street L's, Drop L's, Side Outlet L's, T's, Drop T's, Single Ear Drop T's, Double Ear Drop T's, Side Outlet T's, Crosses, Plugs, Caps, Return Bends, Y's, Couplings, Reducing Couplings, Right and Left Couplings Vent Fittings, Comprising T's and Crosses; Traps, Casing Fittings, Railing Fittings, Union L's, Union T's, Urinal Fittings, Urinal Trimmings, Urinal Spreaders, Urinal Strainers, Angles, Bushings, Nipples, Unions, Extensions, Joints, Tubing, Strainers, and Wastes, All Made of Brass.

Claims use since Feb. 26, 1906.

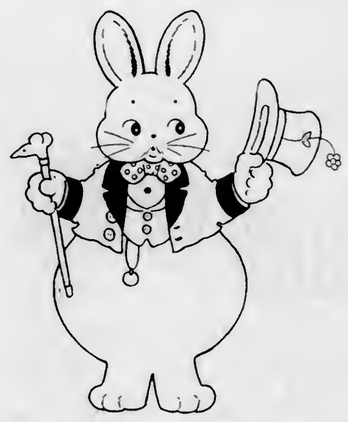
Ser. No. 163,387. (CLASS 26. MEASURING AND SCIENTIFIC APPLIANCES.) GRAPHOTO COMPANY, Boston, Mass. Filed May 5, 1922.

-GRAPHOTO-

Particular description of goods.—Coated Glass Plates for Etching, Drawing, and Hand Negatives.

Claims use since Dec. 5, 1921.

Ser. No. 163,987. (CLASS 37. PAPER AND STATIONERY.) WILLIAM H. JOHNSON, New York, N. Y., assignor to The Tin Decorating Company of Baltimore, Baltimore, Md., a Corporation of New Jersey. Filed May 17, 1922.



Particular description of goods.—Wrapping Paper, Pencils, Pens, Blank Bank Books, Bill Files, Billheads, Bill Straps, Blank Forms, Blotting Paper, Bookmarks, Card-Index Cards, Composition Books, Envelopes, Account Books, Elastic Rubber Bands, Chalk Crayons, Tailors' Chalk, Confetti, Crêpe Paper, Cardboard, and Writing Paper.

Claims use since May 13, 1922.

Ser. No. 164,069. (CLASS 29. BROOMS, BRUSHES, AND DUSTERS.) WALTER C. PALMER, doing business as W. R. Palmer & Co., Cincinnati, Ohio. Filed May 18, 1922.

"QUEEN"

Particular description of goods.—Mops.

Claims use since May, 1910.

Ser. No. 164,111. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) GEORGE WILLIAM KING, Boston, Mass. Filed May 19, 1922.

KING QUALITY

The word "Quality" is disclaimed except in association with the word "King" ("King Quality").

Particular description of goods.—Edible Vegetable Fats and Oils.

Claims use since Sept. 2, 1921.

Ser. No. 164,489. (CLASS 21. ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES.) B & L METAL STAMPING CO., INC., New York, N. Y. Filed May 25, 1922.

"BELMET"

Particular description of goods.—Stamped, Drawn, Spun, and Turned Metal Parts and Fixtures for Electric-Lighting Fixtures—Namely, Brackets, Hooks, Hickies, Extensions, Tops, Curved Extensions, Candle Cups, Cluster Cups, Candle Extensions, and Ornamentations—Also Complete Electric-Lighting Fixtures.

Claims use since May 7, 1920.

Ser. No. 165,120. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) A. BOYRIVEN, New York, N. Y. Filed June 7, 1922. Under ten-year proviso.

Boyriven

Particular description of goods.—Automobile Upholstery Fabrics Textile in Nature.

Claims use since 1840.

Ser. No. 165,406. (CLASS 39. CLOTHING.) NATURE'S RIVAL COMPANY, Chicago, Ill. Filed June 12, 1922.

FLAT-O-FORM

Particular description of goods.—Brassières.
Claims use since May 31, 1922.

Ser. No. 165,528. (CLASS 13. HARDWARE AND PLUMBING AND STEAM-FITTING SUPPLIES.) CARL COLSMAN, doing business as Colsman & Co., Werdohl, Germany. Filed June 15, 1922.

C & C XXX

Pythagoras

Trade-mark consists of an illustration of the Pythagorean theorem with the inscription "C & C XXX" and the sign "Pythagoras."
Particular description of goods.—Household and Kitchen Utensils Made of Aluminum—Namely, Stew and Sauce Pots and Pans, Fry Pans, Colanders, Strainers, Rice Boilers, Soup Ladles, Skimmers, Teakettles, Tea and Coffee Pots, Cups, Egg Cups, Ladles, Cake Turners.
Claims use since Jan. 9, 1911.

Ser. No. 166,315. (CLASS 39. CLOTHING.) MILITARY ORDER OF THE COOTIE, New York and Brooklyn, N. Y. Filed June 30, 1922.

MILITARY ORDER OF THE COOTIE · COMRADESHIP · INDUSTRY · U.S.A.

Particular description of goods—Hats, Caps, Tassels, and Aprons.
Claims use since on or about Sept. 1, 1920.

Ser. No. 167,853. (CLASS 28. JEWELRY AND PRECIOUS-METAL WARE.) THE SIGLER BROS. CO., Cleveland, Ohio. Filed Aug. 5, 1922.

Relgis

Particular description of goods.—Jewelry for Personal Wear, Not Including Watches, Both Wholesale and Retail.
Claims use since Jan. 15, 1920.

Ser. No. 168,042. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) KINGS COUNTY PACKING CO., Armona, Calif. Filed Aug. 10, 1922.

EL VENADO

Particular description of goods.—Canned Fruits.
Claims use since 1916.

Ser. No. 168,517. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) DAVIES, ROSE & CO., LTD., Boston, Mass. Filed Aug. 21, 1922.

LIMONIA

Trade-mark consists of the word "Limonia."
Particular description of goods.—Extracts and Flavorings for Food Purposes.
Claims use since January, 1922.

Ser. No. 168,935. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) MY OWN COMPANY, Indianapolis, Ind. Filed Aug. 31, 1922.

My Own

Particular description of goods.—Catchup, Chile Con Carne, Chili Sauce, Canned Apples, Apricots, Blackberries, Blueberries, Cherries, Gooseberries, Grapes, Grapefruit, Loganberries, Nectarines, Peaches, Pears, Pineapple, Plums, Quinces, Raspberries, and Strawberries; Hominy, Mustard, Mustard Dressing, Peanut Butter, Pepper Sauce, Pork and Beans, Salad Dressing, Shortening, Spaghetti, Spices, Canned Soups, Condensed Milk, Evaporated Milk; and Canned Artichokes, Asparagus, Beans, Beets, Red Kidney Beans, Sauerkraut, Succotash, Cabbage, Celery, Corn, Okra, Peas, Pumpkin, Spinach, Squash, Sweet Potatoes, and Tomatoes.
Claims use since May 29, 1922.

Ser. No. 169,138. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) J. RUBSAM CO., INC., New York, N. Y. Filed Sept. 6, 1922.



The word "Pills" appearing in the drawing is hereby disclaimed.
Particular description of goods.—Pills and Tablets for Regulating Menstrual Functions.
Claims use since Apr. 19, 1922.

Ser. No. 169,317. (CLASS 16. PAINTS AND PAINTERS' MATERIALS.) JOE NICOMEDE, doing business as Lustroil Co., Altoona, Pa. Filed Sept. 11, 1922.

Lustroil INSTRUMENT POLISH

No claim is made to the words "Instrument Polish" apart from the mark shown on the drawing.
Particular description of goods.—Polish for Restoring the Polish of Musical Instruments.
Claims use since Jan. 1, 1922.

Ser. No. 169,543. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) A. GOODMAN & SONS, INC., New York, N. Y. Filed Sept. 16, 1922.

GOODMAN'S 100% WHOLE WHEAT SPAGHETTI

No claim made to the words "100 per cent Whole Wheat" and "Spaghetti" apart from the mark as shown.
Particular description of goods.—Alimentary Paste Products.
Claims use since Aug. 26, 1922.

Ser. No. 169,605. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) PEERLESS CONFECTION COMPANY, Chicago, Ill. Filed Sept. 18, 1922.

SUNRAY

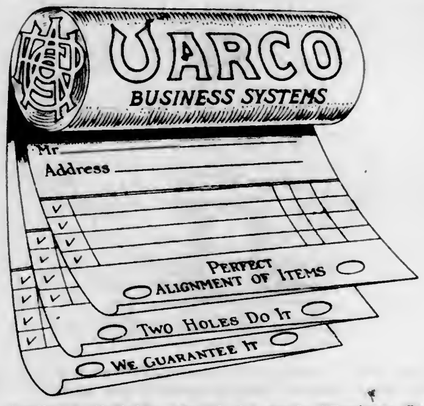
The shading in the drawing designates red and violet, respectively.
Particular description of goods.—Candies.
Claims use since January, 1922.

Ser. No. 169,630. (CLASS 21. ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES.) FLEXLUME CORPORATION, Buffalo, N. Y. Filed Sept. 18, 1922.

FLEXLUME CORPORATION-BUFFALO

Applicant makes no claim to the words "Electrical Advertising" and "Buffalo" apart from the mark shown.
Particular description of goods.—Electrically-Illuminated Signs.
Claims use since June 20, 1922.

Ser. No. 169,993. (CLASS 37. PAPER AND STATIONERY.) UNITED AUTOGRAPHIC REGISTER CO., Chicago, Ill. Filed Sept. 27, 1922.



Applicant disclaims use of the words "Business Systems" and all illustration of such systems including the

words "Perfect Alignment of Items," "Two Holes Do It," and "We Guarantee It," apart from the mark shown in the drawing. Trade-mark "Narco."

Particular description of goods.—Loose-Leaf Binders and Leaves Thereof.

Claims use since Jan. 1, 1922.

Ser. No. 170,269. (CLASS 40. FANCY GOODS, FURNISHINGS, AND NOTIONS.) BARASH BROS., INC., New York, N. Y. Filed Oct. 4, 1922.



Particular description of goods.—Rickrack Braid Sold by the Yard and Used for Dress Trimmings.

Claims use since July, 1921.

Ser. No. 170,300. (CLASS 2. RECEPTACLES.) LAZELL PERFUMER, Newburgh, N. Y. Filed Oct. 4, 1922.

TWINETTE

Trade-mark consists of the word "Twinette."

Particular description of goods.—Rouge and Powder Compact Package.

Claims use since Sept. 2, 1922.

Ser. No. 170,734. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) SPRAGUE ROLLER MILLS, Sprague, Wash. Filed Oct. 14, 1922.



No claim is made to the representation of a sack of flour apart from the other features of the mark.

Particular description of goods.—Self-Rising Flour.

Claims use since Aug. 12, 1921.

Ser. No. 170,751. (CLASS 15. OILS AND GREASES.) HERBERT DAVID BURROUGHS, Atlanta, Ga. Filed Oct. 16, 1922.



No claim is made to the word "Gas" apart from the mark as shown on the drawing.

Particular description of goods.—Gasoline.

Claims use since Oct. 1, 1922.

Ser. No. 170,888. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) VALENTINO BALDACCI, doing business as Laboratorio Chimico Farmaceutico V. Baldacci, Pisa, Italy. Filed Oct. 18, 1922.

Fimema

Particular description of goods.—Hæmostatic Preparations.

Claims use since Jan. 22, 1919.

Ser. No. 171,315. (CLASS 50. MERCHANDISE NOT OTHERWISE CLASSIFIED.) THE GOSHEN CHURN & LADDER COMPANY, Goshen, Ind. Filed Oct. 28, 1922.

Security

Particular description of goods.—Ladders.

Claims use since Oct. 1, 1901.

Ser. No. 171,803. (CLASS 36. MUSICAL INSTRUMENTS AND SUPPLIES.) ITALIAN BOOK CO. INC., New York, N. Y. Filed Nov. 10, 1922.



No claim is made to the words "Phonotype Record" and "Trade-Mark" apart from the mark as shown in drawing.

Particular description of goods.—Phonograph Records.

Claims use since July 1, 1921.

Ser. No. 171,807. (CLASS 26. MEASURING AND SCIENTIFIC APPLIANCES.) THE LIBBEY GLASS MANUFACTURING CO., Toledo, Ohio. Filed Nov. 10, 1922.

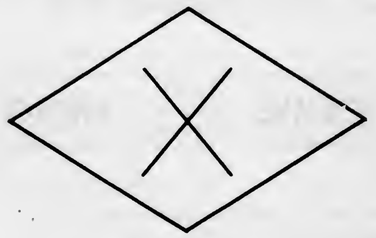


The words "Gauge Glass" are disclaimed apart from the mark as shown. The lining expresses the color blue.

Particular description of goods.—Glassware, and Particularly Gauge Glass.

Claims use since Sept. 24, 1922.

Ser. No. 171,893. (CLASS 28. JEWELRY AND PRECIOUS-METAL WARE.) LEOPOLD BLOCK, doing business as Buffalo Jewelry Manufacturing Company, Buffalo, N. Y. Filed Nov. 13, 1922.



Particular description of goods.—Finger Rings and Neck Chains.

Claims use since Nov. 1, 1912.

Ser. No. 172,031. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) CONSOLIDATED TEXTILE CORPORATION, New York, N. Y. Filed Nov. 15, 1922.

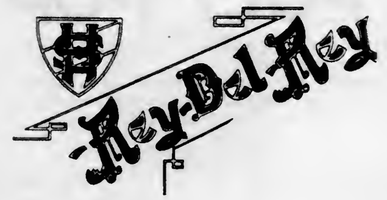
KRAFT KLOTH

The word "Kloth" is disclaimed apart from the mark as shown.

Particular description of goods.—Unbleached Sheeting.

Claims use since September, 1921.

Ser. No. 172,044. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) REY-DEL-REY CANDY CO., Philadelphia, Pa. Filed Nov. 15, 1922.



Particular description of goods.—Candy.

Claims use since Sept. 1, 1922.

Ser. No. 172,180. (CLASS 26. MEASURING AND SCIENTIFIC APPLIANCES.) F. O. SCHOEDINGER, Columbus, Ohio. Filed Nov. 17, 1922.



Particular description of goods.—Steel Rules, Zigzag Rules, Dividers, Measuring Tapes, Tape Cases, Trammel Points, Pattern Rules, and Weathervanes.

Claims use since Oct. 1, 1921.

Ser. No. 172,182. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) F. O. SCHOEDINGER, Columbus, Ohio. Filed Nov. 17, 1922.



Particular description of goods.—Soldering Coppers, Hollow and Solid Punches, Chisels, Rivet Sets, Scratch Awls, Hand Groovers, Pliers, Nippers, Hammers, Shears, Snips, Pipe Crimpers, Slate Dressers, Slaters' Tools, Tongs, Seamers, Mallets, Mandrel Stakes, Roof Crimpers, Workbenches, and Beaders.

Claims use since Oct. 1, 1921.

Ser. No. 172,184. (CLASS 13. HARDWARE AND PLUMBING AND STEAM-FITTING SUPPLIES.) F. O. SCHOEDINGER, Columbus, Ohio. Filed Nov. 17, 1922.



Particular description of goods.—Eaves-Trough Nails, Rivets, Brackets, Bolts, and Chains.

Claims use since Oct. 1, 1921.

Ser. No. 172,380. (CLASS 45. BEVERAGES, NON-ALCOHOLIC.) PAUL S. HOLLIS, doing business as Big State Co., Fort Worth, Tex. Filed Nov. 22, 1922.

POLY POP

No claim made to the word "Pop" apart from the mark shown on the drawing.

Particular description of goods.—Nonalcoholic, Maltless Beverage Powder Used for Making Soft Drinks.

Claims use since Jan. 1, 1922.

Ser. No. 172,392. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) PHENIX CHEESE CO., New York, N. Y. Filed Nov. 22, 1922.

Phenix Club

Particular description of goods.—Cheese.

Claims use since July 1, 1919.

Ser. No. 172,580. (CLASS 26. MEASURING AND SCIENTIFIC APPLIANCES.) JAMES W. BRINE COMPANY, Boston, Mass. Filed Nov. 27, 1922.

BRINE

Particular description of goods.—Surveying Linemen's Measuring Outfits Consisting of Poles, Flags, and Chains and Measuring Tapes.

Claims use since Jan. 1, 1895.

Ser. No. 172,581. (CLASS 50. MERCHANDISE NOT OTHERWISE CLASSIFIED.) JAMES W. BRINE COMPANY, Boston, Mass. Filed Nov. 27, 1922. Under ten-year proviso.

BRINE

Particular description of goods.—Flags, Banners, Pennants, Competition Numbers, Felt Letters, Felt Numerals, Felt Monograms, Felt Emblems, Felt Arm Bands, Friction Cloth, Football Laces, and Football-Lacing Devices.

Claims use since Jan. 1, 1895.

Ser. No. 172,730. (CLASS 37. PAPER AND STATIONERY.) JAMES W. BRINE COMPANY, Boston, Mass. Filed Dec. 1, 1922.

BRINE

Particular description of goods.—Score books.

Claims use since Jan. 1, 1895.

Ser. No. 172,758. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) FAUSTO A. MUSCENTE, doing business as Snow Cake Mfg. Co., Providence, R. I. Filed Dec. 1, 1922.

SNOW CAKE

Particular description of goods.—Edible Ice-Cream Containers.

Claims use since May, 1922.

Ser. No. 172,829. (CLASS 32. FURNITURE AND UPHOLSTERY.) COTTON BELT MANUFACTURING COMPANY, Rocky Mount, N. C. Filed Dec. 2, 1922.

DIXIE KING

Particular description of goods.—Mattresses.

Claims use since May, 1907.

Ser. No. 172,884. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) KELLOGG TOASTED CORN FLAKE Co., Battle Creek, Mich. Filed Dec. 4, 1922.

PEP

Particular description of goods.—Cereal Breakfast Foods.

Claims use since about Oct. 26, 1922.

Ser. No. 172,912. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) LOWELL A. SUTERMEISTER, Dayton, Ohio. Filed Dec. 4, 1922.

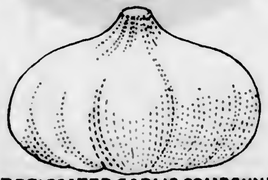
Jungle Joys

Particular description of goods.—Ice-Cream Portion Either with or without an Edible Support.

Claims use since about Oct. 24, 1922.

Ser. No. 172,990. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) B. HELLER & COMPANY, Chicago, Ill. Filed Dec. 6, 1922.

VACUUM BRAND
GARLIC
COMPOUND



DESICCATED GARLIC COMPOUND

No claim is made to the words "Brand" or "Garlic" or "Compound," or to the phrase "Desiccated Garlic Compound," or to the pictorial representation of garlic apart from the other features of the mark shown on the drawing and apart from the common-law rights of applicant.

Particular description of goods.—Garlic Flavoring Compound.

Claims use since 1903.

Ser. No. 173,309. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) THE WEIDEMAN COMPANY, Cleveland, Ohio. Filed Dec. 13, 1922.

LIBERTY
BELL



Particular description of goods.—Coffee.

Claims use since Mar. 7, 1922.

Ser. No. 173,445. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) FLORA HOLMES SHOEMAKER, doing business as The Frostilla Company, Elmira, N. Y. Filed Dec. 16, 1922.



Particular description of goods.—Lotion for the Skin.

Claims use since 1879.

Ser. No. 173,469. (CLASS 39. CLOTHING.) THE JOSEPH N. EISENDRATH COMPANY, Chicago, Ill. Filed Dec. 18, 1922.

"MAN-SIZE"

Particular description of goods.—Leather Gloves, Gauntlets, and Mittens.

Claims use since July 24, 1922.

Ser. No. 173,474. (CLASS 39. CLOTHING.) THE JOSEPH N. EISENDRATH COMPANY, Chicago, Ill. Filed Dec. 18, 1922.

"OLD RELIABLE"

Particular description of goods.—Leather Gloves, Gauntlets, and Mittens.

Claims use since July 24, 1922.

Ser. No. 173,477. (CLASS 39. CLOTHING.) THE JOSEPH N. EISENDRATH COMPANY, Chicago, Ill. Filed Dec. 18, 1922.

"BIG BOY"

Particular description of goods.—Leather Gloves, Gauntlets, and Mittens.

Claims use since July 24, 1922.

Ser. No. 173,551. (CLASS 21. ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES.) AMERICAN RANGE & FOUNDRY COMPANY, also doing business as Minnesota Stove Company, Minneapolis, Minn. Filed Dec. 19, 1922.

SANICO

Particular description of goods.—Electric Stoves and Ranges.

Claims use since Mar. 10, 1922.

Ser. No. 173,887. (CLASS 27. HOROLOGICAL INSTRUMENTS.) MEYER GOLDIN, doing business as Continental Watch and Jewelry Co., Chicago, Ill. Filed Dec. 27, 1922.



Particular description of goods.—Watch Movements and Watchcases.
Claims use since Aug. 1, 1922.

Ser. No. 173,946. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) WELLS-ABBOTT-NIEMAN CO., INC., Schuyler, Nebr. Filed Dec. 28, 1922.



PATRIOTA

Particular description of goods.—Hard-Wheat Flour.
Claims use since September, 1922.

Ser. No. 173,982. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) THE QUAKER OATS COMPANY, Chicago, Ill. Filed Dec. 29, 1922.

MAZ-ALL

Particular description of goods.—Stock Feeds.
Claims use since 1906.

Ser. No. 174,045. (CLASS 39. CLOTHING.) THE WARNER BROTHERS COMPANY, Bridgeport, Conn. Filed Dec. 30, 1922.

SLIP-ON-WAIST



Applicant disclaims any registration rights in the words "Slip-On-Waist" and in the representation of the goods themselves apart from what the mark shows, but by such disclaimer waives none of its common-law rights in the mark or any part thereof.
Particular description of goods.—Underwaists.
Claims use since Dec. 21, 1922.

Ser. No. 174,163. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) THE ASIA COMPANY, Los Angeles, Calif. Filed Jan. 4, 1923.



An English translation of the Japanese character shown in the mark, being "Kin," signifying "Gold," "Metal," "Money."
Particular description of goods.—Bottled and Barreled Sauce, Soy; Packed Miso, (a Moist Condiment Prepared from Boiled Beans or Peas, Brewers' Yeast Which is Made from Rice or Wheat, Salt, and Vegetable Ingredients), and Rice.
Claims use since Dec. 1, 1921.

Ser. No. 174,183. (CLASS 39. CLOTHING.) MEYER, BACHARACH & FRIEDHEIM, New York, N. Y. Filed Jan. 4, 1923.

Morware

Particular description of goods.—Neckties.
Claims use since on or about July 1, 1922.

Ser. No. 174,281. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) THE ATLAS SHEAR CO., Bridgeport, Conn. Filed Jan. 8, 1923.

RED CROSS

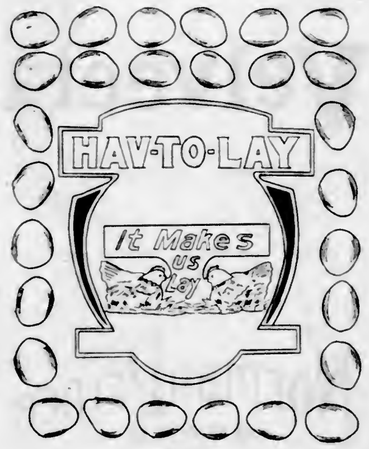
Trade-mark consists of the words "Red Cross" and the representation of a red cross. These have generally been arranged as shown in accompanying specimens, in which the illustration is represented between said words. The lining expresses the color red.
Particular description of goods.—Shears and Scissors.
Claims use since Jan. 1, 1900.

Ser. No. 174,393. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) ELIC A. HOFFMAN, doing business as E. A. Hoffman Candy Co., Los Angeles, Calif. Filed Jan. 10, 1923.

PRINCE CHARMING

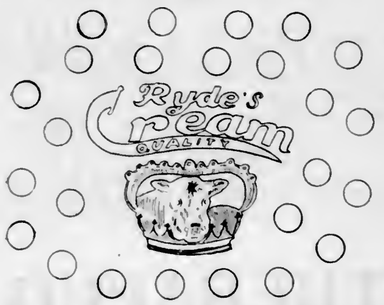
Particular description of goods.—Candy.
Claims use since Dec. 1, 1922.

Ser. No. 174,489. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) RYDE & COMPANY, Chicago, Ill. Filed Jan. 11, 1923.



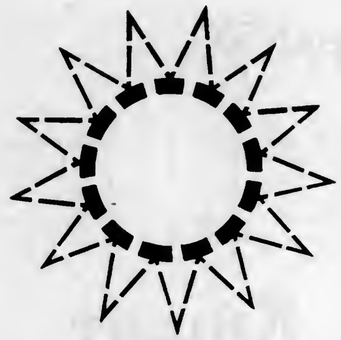
The expression "It Makes Us Lay" is disclaimed apart from the trade-mark in its entirety.
Particular description of goods.—Chicken Feed.
Claims use since December, 1919.

Ser. No. 174,490. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) RYDE & COMPANY, Chicago, Ill. Filed Jan. 11, 1923.



The word "Quality" forming part of the trade-mark is disclaimed except in connection with the mark as an entirety.
Particular description of goods.—Stock Feed.
Claims use since Oct. 1, 1913.

Ser. No. 174,567. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) EMETERIO FLORES, New York, N. Y. Filed Jan. 13, 1923.



Particular description of goods.—Spanish Paprika and Spices.
Claims use since May, 1918.

Ser. No. 174,579. (CLASS 21. ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES.) MORRIS KLOSNER, doing business as Klosner Improved Apparatus Company, New York, N. Y. Filed Jan. 13, 1923.

AMPLITROL

Particular description of goods.—Electric Switches, Telephone Control Switches, Amplifier-Control Switches, B-Battery-Control Switches, and Resistance-Control Parts.
Claims use since about Jan. 1, 1922.

Ser. No. 174,586. (CLASS 39. CLOTHING.) IDA MUNZER, INC., New York, N. Y. Filed Jan. 13, 1923.

Cami - Knicks

Particular description of goods.—Women's and Children's Textile Underwear.
Claims use since Aug. 1, 1922.

Ser. No. 174,647. (CLASS 4. ABRASIVE, DETERGENT, AND POLISHING MATERIALS.) HOLLAND SPECIALTY COMPANY, Peoria, Ill. Filed Jan. 15, 1923.

A LIQUID Tax-O-Dent CLEANS FALSE TEETH

No claim is made to the words "A Liquid" and "Cleans False Teeth" apart from the mark shown in the drawing.
Particular description of goods.—Preparation for Cleaning Artificial Dentures.
Claims use since about Nov. 1, 1922.

Ser. No. 174,763. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) A. ARENA & Co., Los Angeles, Calif. Filed Jan. 19, 1923.

PANSY

Particular description of goods.—Fresh Cantaloupes.
Claims use since 1918.

Ser. No. 174,841. (CLASS 39. CLOTHING.) WILLIAM H. JOHNSON, Arlington, N. J. Filed Jan. 20, 1923.

KNIGHT
"O"
GARTER

No claim is made to the word "Garter" apart from the mark as shown in the drawing.
Particular description of goods.—Garters.
Claims use since Jan. 9, 1923.

Ser. No. 174,845. (CLASS 39. CLOTHING.) E. W. MARVIN COMPANY, Troy, N. Y. Filed Jan. 20, 1923. Under ten-year proviso.

Marvin

Particular description of goods.—Nurses' Collars, Cuffs, Aprons, Caps, Bibs, Uniforms, Operating Gowns; Patients' Bed Gowns, and Ladies' Collars and Cuffs.
Claims use since about 1890.

Ser. No. 174,850. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) THE OIL COUNTRY SPECIALTIES MANUFACTURING CO., Coffeyville, Kans. Filed Jan. 20, 1923.

RED TOP

Particular description of goods.—Oil-Well Swabs, Stuffing Boxes, Jereckl Jets, Wire-Line Sockets, and Tongs.
Claims use since Oct. 17, 1922.

Ser. No. 174,865. (CLASS 4. ABRASIVE, DETERGENT, AND POLISHING MATERIALS.) THE SAN-O-DENT COMPANY, Spokane, Wash. Filed Jan. 20, 1923.

SAN-O-DENT

Particular description of goods.—Cleanser for False Teeth.
Claims use since Oct. 1, 1922.

Ser. No. 174,866. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) MAX O. SCHAEFER, doing business as Velveeta Cheese Company, Monroe, N. Y. Filed Jan. 20, 1923.

Velveeta

Particular description of goods.—Cheese.
Claims use since Jan. 18, 1923.

Ser. No. 175,080. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) THE JOS. GARNEAU CO., INC., New York, N. Y. Filed Jan. 25, 1923.



The picture accompanying the mark upon the specimen presented is purely fanciful. The word "Brand" is disclaimed as forming no part of the mark.
Particular description of goods.—Canned Fish.
Claims use since Dec. 1, 1922.

Ser. No. 175,311. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) WILLIAM P. HAYHURST, Santa Rosa, Calif. Filed Jan. 30, 1923.

THERAPUO

Particular description of goods.—Lotion to Keep the Skin Soft and for Alleviation of Inflammations.
Claims use since Dec. 21, 1916.

Ser. No. 175,356. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) INDIAN STAR CHEMICAL CO., Jericho, Ark. Filed Jan. 31, 1923.



Indian
Star

Particular description of goods.—Face Powder, Hair Straightener, Medicine for Worms, Liver and Kidney Regulator, and Liniment.
Claims use since July, 1887.

Ser. No. 175,564. (CLASS 13. HARDWARE AND PLUMBING AND STEAM-FITTING SUPPLIES.) JOSEPH H. MCEVOY, Houston, Tex. Filed Feb. 5, 1923.



Without waiver of common-law rights no claim is made to the use of the words "Wireless," "Well Strainer," "Pat'd Aug. '06, Sept. '15," and "Trade-Mark" apart from the mark shown on the drawing.
Particular description of goods.—Well Screens and Well Strainers.
Claims use since Dec. 28, 1922.

Ser. No. 175,565. (CLASS 13. HARDWARE AND PLUMBING AND STEAM-FITTING SUPPLIES.) JOSEPH H. MCEVOY, Houston, Tex. Filed Feb. 5, 1923.



Without waiver of common-law rights no claim is made to the words "Trade-Mark" and "Wireless" apart from the mark shown in the drawing.
Particular description of goods.—Well Screens and Well Strainers.
Claims use since 1908.

Ser. No. 175,569. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) CARL R. ROSTINE, Ontario, Calif. Filed Feb. 5, 1923.

EUCALIN

Particular description of goods.—Medical Preparation for Coughs, Colds, Bronchitis, Croup, Hoarseness, and Throat Irritation.
Claims use since July, 1922.

Ser. No. 175,675. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) ROY MYERS, Los Angeles, Calif. Filed Feb. 7, 1923.

EXIT

Particular description of goods.—Laxatives.
Claims use since Dec. 15, 1922.

Ser. No. 175,715. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) JOHAN DIDRICHSEN, Christiania, Norway. Filed Feb. 8, 1923.

Vitaminax

Particular description of goods.—Cod-Liver Oil.
Claims use since November, 1921.

Ser. No. 175,811. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) RAY-MALING CO. INC., Portland, Oreg. Filed Feb. 9, 1923.

Raybrook

Particular description of goods.—Canned Fruits, Canned Berries, and Canned Vegetables.
Claims use since June 1, 1922.

Ser. No. 176,075. (CLASS 50. MERCHANDISE NOT OTHERWISE CLASSIFIED.) ETCHED PRODUCTS CORPORATION, Long Island City, N. Y. Filed Feb. 15, 1923.

"EPCO"

Particular description of goods.—Metallic Hot-Dish Plaques.
Claims use since Feb. 6, 1923.

Ser. No. 176,102. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) SIREN MILLS CORPORATION, Chicago, Ill. Filed Feb. 15, 1923.

SIREN

The trade-mark consists of the word "Siren."
Particular description of goods.—Powder Used in Making Chocolate Sauces or Syrups for Food Purposes.
Claims use since Jan. 2, 1923.

Ser. No. 176,106. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) THE GREAT ATLANTIC AND PACIFIC TEA COMPANY, Jersey City, N. J. Filed Feb. 16, 1923.

DELICO

Particular description of goods.—Cottonseed Oil for Frying, Cooking, Salads, Shortening, and Mayonnaise.
Claims use since Jan. 25, 1923.

Ser. No. 176,119. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) MARY GERMANY, doing business as Mrs. Mary Germany, Dallas, Tex. Filed Feb. 16, 1923.

MRS. MARY GERMANY'S
'Original Home Made'
THOUSAND ISLAND
DRESSING
NONE GENUINE WITHOUT THIS SIGNATURE—
Mrs Mary Germany

No claim is made to any of the descriptive matter or wording of the label except the name "Mrs. Mary Germany's" and the signature "Mrs. Mary Germany," which is a facsimile of her signature.
Particular description of goods.—Salad Dressing.
Claims use since about Jan. 1, 1919.

Ser. No. 176,230. (CLASS 16. PAINTS AND PAINTERS' MATERIALS.) UNITED STATES BRONZE POWDER WORKS, INC., New York, N. Y. Filed Feb. 17, 1923.

VENUS

Trade-mark consists of the word "Venus."
Particular description of goods.—Bronze Powders and Bronzing Liquids.
Claims use since Jan. 26, 1922.

Ser. No. 176,231. (CLASS 16. PAINTS AND PAINTERS' MATERIALS.) UNITED STATES BRONZE POWDER WORKS, INC., New York, N. Y. Filed Feb. 17, 1923.

HELIUS

Trade-mark consists of the word "Helius."
Particular description of goods.—Bronze Powders and Bronzing Liquid.
Claims use since Jan. 26, 1922.

Ser. No. 176,461. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) AUGUST GOERTZ & CO., Newark, N. J. Filed Feb. 23, 1923.

ZEE-CUTTER

The word "Cutter" is disclaimed apart from its association with the trade-mark as shown in the drawing.
Particular description of goods.—Knife or Cutting-Blade Handles.
Claims use since Dec. 20, 1922.

Ser. No. 176,561. (CLASS 19. VEHICLES, NOT INCLUDING ENGINES.) MARQUETTE MANUFACTURING COMPANY, St. Paul, Minn. Filed Feb. 24, 1923.

MARQUETTE

Particular description of goods.—Luggage Carriers, Shock Absorbers, and Combined Fender Braces and Bumpers.
Claims use since Nov. 15, 1921, on luggage carriers; since Jan. 24, 1922, on shock absorbers; since August, 1922, on combined fender braces and bumpers.

Ser. No. 176,580. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) TAIYO TRADING CO., INC., New York, N. Y. Filed Feb. 24, 1923.

SEA GATE BRAND

The word "Brand" appearing is disclaimed.
Particular description of goods.—Canned Crab Meat.
Claims use since about Feb. 1, 1922.

Ser. No. 176,592. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) ATLANTA BARBERS SUPPLY COMPANY, Atlanta, Ga. Filed Feb. 26, 1923.

Royal Anne



The picture shown in the drawing is fanciful.
Particular description of goods.—Combination Cold Cream and Face Powder, Deodorant in Cream Form, Shampoo, Cold Cream, Lipstick, Face Powder, Talcum Powder, Perfume, and Eyebrow Pencil.
Claims use since Apr. 1, 1921.

Ser. No. 176,664. (CLASS 26. MEASURING AND SCIENTIFIC APPLIANCES.) C. V. & R. BATIGNE, New York, N. Y. Filed Feb. 27, 1923.

NEWSIES

Particular description of goods.—Positive Projection Slides and Motion-Picture Films Bearing Matter and Pictures, and Made Photographically or Otherwise and Issued in Series Periodically.
Claims use since April, 1922.

Ser. No. 177,026. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) JOHN THAMSAK, Cleveland, Ohio. Filed Mar. 5, 1923

TRAM-SAK-ERINE

Particular description of goods.—Preparation for the Treatment of Tuberculosis.
Claims use since Jan. 2, 1920.

Ser. No. 177,048. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) C. PERCEVAL, New York, N. Y. Filed Mar. 6, 1923.

Grelons

Trade-mark consists of the word "Grelons."
Particular description of goods.—Candy.
Claims use since Aug. 1, 1922.

Ser. No. 177,097. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) PAUL M. MOOMAW, Okemah, Okla. Filed Mar. 7, 1923.

-MOOMAW'S-
B B
BILE BRINGER
B B
AN IDEAL LIVER PILL

THE GENUINE HAS THIS SIGNATURE
Paul M Moomaw

The lining appearing on the drawing merely represents shading. No claim made to the words "Bile Bringer" and "An Ideal Liver Pill" and the words "The Genuine has This Signature" apart from the mark shown.
Particular description of goods.—Liver Pills.
Claims use since December, 1912.

Ser. No. 177,146. (CLASS 39. CLOTHING.) SUNMAN & HEWSON, Luton, England. Filed Mar. 8, 1923.

SUNSON

Particular description of goods.—Hats for Women and Children.
Claims use since 1922.

Ser. No. 177,266. (CLASS 28. JEWELRY AND PRECIOUS-METAL WARE.) LOUIS BESSELL, New York, N. Y. Filed Mar. 12, 1923.

BESSELL-ERS

Particular description of goods.—Earrings, Finger Rings, Pendants, Scarf Pins, Cuff and Collar Buttons, and Lavallières.
Claims use since Feb. 1, 1921.

Ser. No. 177,360. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) THE CINCINNATI WHOLESALE GROCERY COMPANY, Cincinnati, Ohio. Filed Mar. 13, 1923.

HoneyGrove

Particular description of goods.—Canned Peas and Tomatoes.
Claims use since April, 1922.

Ser. No. 177,374. (CLASS 39. CLOTHING.) GERSON & BREYER, San Francisco, Calif. Filed Mar. 13, 1923.

Gerbre's



The lining on the drawing is for shading only. No claim is made to exclusive use of the word "Mills" apart from the mark shown in the drawing.
Particular description of goods.—Men's, Women's, and Children's Hosiery.
Claims use since 1907.

Ser. No. 177,434. (CLASS 39. CLOTHING.) FINERY HOSIERY CORPORATION, New York, N. Y. Filed Mar. 14, 1923.

Coral Band

Particular description of goods.—Hosiery.
Claims use since Mar. 12, 1923.

Ser. No. 177,530. (CLASS 37. PAPER AND STATIONERY.) ARTHUR VOS, New York, N. Y. Filed Mar. 15, 1923.

Old King Tut's Wild Cat.

Particular description of goods.—Paper Weights and Desk Ornaments.
Claims use since Feb. 15, 1923.

Ser. No. 177,536. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) WILTON MANUFACTURING CO. INC., New York, N. Y. Filed Mar. 15, 1923.

COUNTRY CLUB

Trade-mark consists of the words "Country Club."
Particular description of goods.—Cotton Piece Goods.
Claims use since May 2, 1916.

Ser. No. 177,565. (CLASS 14. METALS AND METAL CASTINGS AND FORGINGS.) MANNING, MAXWELL & MOORE, INC., New York, N. Y. Filed Mar. 16, 1923.

MMM

Particular description of goods.—Copper-Nickel-Alloy Castings.
Claims use since Feb. 19, 1923.

Ser. No. 177,675. (CLASS 39. CLOTHING.) GEO. E. KEITH COMPANY, Brockton, Mass. Filed Mar. 19, 1923.

CELASTIC

Particular description of goods.—Boot and Shoe Tips and Counters.
Claims use since Nov. 11, 1919.

Ser. No. 177,783. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) HYDROX CORPORATION, Wilmington, Del. Filed Mar. 21, 1923.

HYDROX

Particular description of goods.—Ice Cream.
Claims use since 1908.

Ser. No. 177,877. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) LIVINGSTON SNOW, doing business as Livingston Snow Company, Quitman, Ga. Filed Mar. 22, 1923.

Snownut

Particular description of goods.—Peanut Butter
Claims use since Mar. 14, 1923.

Ser. No. 177,885. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) WILSON TEA CO., INC., Seattle, Wash. Filed Mar. 22, 1923.

JAVA MANA

Particular description of goods.—Coffee.
Claims use since Jan. 1, 1923.

Ser. No. 177,909. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) GORTON-PEW FISHERIES COMPANY, Gloucester, Mass. Filed Mar. 23, 1923.



No exclusive right is claimed to the representation of the fish cakes apart from the other features of the mark.
Particular description of goods.—Potatoes and Salt Fish Combined for Fish Cakes.
Claims use since Nov. 14, 1919.

Ser. No. 177,910. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) GORTON-PEW FISHERIES COMPANY, Gloucester, Mass. Filed Mar. 23, 1923.

MOTHER ANN

Particular description of goods.—Salt Codfish.
Claims use since Jan. 17, 1899.

Ser. No. 177,914. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) KELLOGG COMPANY, Battle Creek, Mich. Filed Mar. 23, 1923.

INSTANT COFFEOLA

Particular description of goods.— Coffeelike Beverage.
Claims use since Feb. 6, 1923.

Ser. No. 177,948. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) V. BANOS & CO. INC., Brooklyn, N. Y. Filed Mar. 24, 1923.

VEE BEE

Particular description of goods.—Food Product—to wit, a Compound in Powder Form for Producing Puddings, Pies, Cakes, and Pastries.
Claims use since Dec. 24, 1922.

Ser. No. 177,952. (CLASS 35. BELTING, HOSE, MACHINERY PACKING, AND NONMETALLIC TIRES.) THE BRUNSWICK-BALKE-COLLENDER COMPANY, Wilmington, Del., and Chicago, Ill. Filed Mar. 24, 1923.

BRUNSWICK

SEDAN CORD

No exclusive claim is made for the word "Cord." The field of the circular figure is red, and the lines and lettering appear thereon in white.
Particular description of goods.—Rubber and Fabric Tires.
Claims use since Mar. 12, 1923.

Ser. No. 178,106. (CLASS 21. ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES.) THE KERITE INSULATED WIRE & CABLE COMPANY, INC., Seymour, Conn., and New York, N. Y. Filed Mar. 27, 1923. Under ten-year proviso.

DAYS KERITE

Particular description of goods.—Insulated Wire and Cables.
Claims use since about 1870.

Ser. No. 178,164. (CLASS 21. ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES.) CENTRAL RADIO LABORATORIES, Milwaukee, Wis. Filed Mar. 28, 1923.

CRL

Particular description of goods.—Radio Signaling Apparatus and Parts Thereof Comprising Condensers, Grid Leaks, Potentiometers, Rheostats, Detectors, Switch Arms and Levers, Transformers, and Tuners.
Claims use since May 27, 1922.

Ser. No. 178,257. (CLASS 46, FOODS AND INGREDIENTS OF FOODS.) C. D. KENNY COMPANY, Baltimore, Md. Filed Mar. 29, 1923.

MAMMY'S FAVORITE

Particular description of goods.—Coffee.
Claims use since Apr. 21, 1911.

Ser. No. 178,268. (CLASS 34. HEATING, LIGHTING, AND VENTILATING APPARATUS, NOT INCLUDING ELECTRICAL APPARATUS.) THE MONARCH CORPORATION, Pittsburgh, Pa. Filed Mar. 29, 1923.

MONARCH

Particular description of goods.—Dehydrators and Parts of Dehydrators.
Claims use since Oct. 18, 1922.

Ser. No. 178,277. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) C. M. OWEN, Los Angeles, Calif. Filed Mar. 29, 1923.

7 IN ONE
HOME DENTIST

The words "Home Dentist" are lined to indicate red.
Particular description of goods.—Tablets, Lotions, Silver-Nitrate Sticks, Capsicum Plasters, Powders, and Pastes for Dental Treatment.
Claims use since Mar. 19, 1923.

Ser. No. 178,310. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) UNION SUGAR COMPANY, San Francisco, Calif. Filed Mar. 29, 1923.



Particular description of goods.—Beet Sugar, Cane Sugar, and Maple Sugar.
Claims use since Nov. 1, 1921.

Ser. No. 178,356. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) THE PNEULEC MACHINE COMPANY, LIMITED, Birmingham, England. Filed Mar. 30, 1923.

PNEULEC

Particular description of goods.—Molding Machines, Core-Making Machines, Sand Mixing Machines, Sand Conveying and Manipulating Machines, Sand-Drying Machines, Vibrators, Pneumatic Hammers and Chisels, All Being Foundry Machinery or Parts Thereof.
Claims use since August, 1921.

Ser. No. 178,450. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) LEVRING & COMPANY, INC., St. Louis, Mo. Filed Apr. 2, 1923.

MARATHON

Particular description of goods.—Rennet Extract, Rennet Tablets, and Lactic-Acid Ferment.
Claims use since October, 1922.

Ser. No. 178,572. (CLASS 13. HARDWARE AND PLUMBING AND STEAM-FITTING SUPPLIES.) SANDVIKENS JERNVERKS AKTIEBOLAG, Sandviken, Sweden. Filed Apr. 4, 1923.



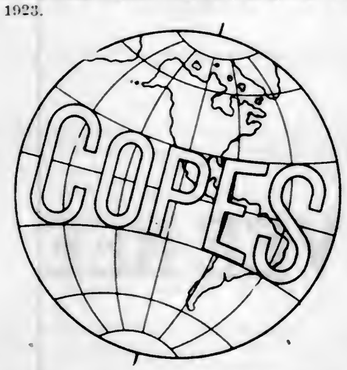
Particular description of goods.—Springs and Coil Springs, Hot-Rolled and Cold-Drawn Seamless Steel Tubing.
Claims use since Jan. 25, 1888.

Ser. No. 178,598. (CLASS 1. RAW OR PARTLY-PREPARED MATERIALS.) DUDLEY LUMBER COMPANY INC., Memphis, Tenn. Filed Apr. 5, 1923.

PALAZOTA

Particular description of goods.—Logs and Rough Lumber.
Claims use since about Jan. 1, 1923.

Ser. No. 178,625. (CLASS 13. HARDWARE AND PLUMBING AND STEAM-FITTING SUPPLIES.) NORTHERN EQUIPMENT COMPANY, Erie, Pa. Filed Apr. 5, 1923.



Particular description of goods.—Feed-Water Regulators and Pump Governors.
Claims use since Jan. 1, 1918.

Ser. No. 178,629. (CLASS 11. INKS AND INKING MATERIALS.) LEWIS ROBERTS, INC., Newark, N. J. Filed Apr. 5, 1923.

EXPOSITION

Particular description of goods.—Printing Inks.
Claims use since May, 1914.

Ser. No. 178,685. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) THE WARREN PRODUCTS COMPANY, INC., New York, N. Y. Filed Apr. 6, 1923.

WARRENTEX

Particular description of goods.—Textile Material Silk, Linen, Wool, Cotton, or Mixture of the Same.
Claims use since about September, 1922.

Ser. No. 178,771. (CLASS 4. ABRASIVE, DETERGENT, AND POLISHING MATERIALS.) PROUTY-BOWLER SOAP CO., Des Moines, Iowa. Filed Apr. 7, 1923.

P-B

Particular description of goods.—Soap and Soap Flakes.
Claims use since October, 1922.

Ser. No. 178,821. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) CAMEL CHEMICAL CO. INC., Portland, Oreg. Filed Apr. 9, 1923.

CAMEL

Particular description of goods.—Battery Solution.
Claims use since Nov. 6, 1922.

Ser. No. 178,822. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) CAMEL CHEMICAL CO. INC., Portland, Oreg. Filed Apr. 9, 1923.



Particular description of goods.—Battery Solution.
Claims use since Nov. 6, 1922.

Ser. No. 178,834. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) HAROLD C. FLEMING, also doing business as Compyrin Laboratories, Cedar Rapids, Iowa. Filed Apr. 9, 1923.

COMPYRIN

Particular description of goods.—A Medicinal Compound Containing Acetylsolicylic Acid in Liquid Form, Tablet Form, Powder Form, Capsule Form, and in Effervescing Salt Form Used for the Treatment of Colds, Pains, Rheumatism, Headache, Neuralgia, and Local Anæsthetic Afterpain.
Claims use since Jan. 15, 1922.

Ser. No. 178,855. (CLASS 34. HEATING, LIGHTING, AND VENTILATING APPARATUS, NOT INCLUDING ELECTRICAL APPARATUS.) MARSHALL-WELLS COMPANY, Duluth, Minn. Filed Apr. 9, 1923.

Zenith

Particular description of goods.—Coal and Gas Ranges, Coal, Gas, Wood, and Oil Heaters, Gasoline Cookstove, and Hot-Air Furnaces.
Claims use since Mar. 1, 1923.

Ser. No. 178,874. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) SCOTT AND TURNER, LIMITED, Newcastle-on-Tyne, England. Filed Apr. 9, 1923. Under ten year proviso.

ANDREWS LIVER SALT

The trade-mark consists of the mere combination of words "Andrews Liver Salt."
Particular description of goods.—Medicated Preparation for Human Use for Liver Ailments.
Claims use since 1894.

Ser. No. 178,883. (CLASS 34. HEATING, LIGHTING, AND VENTILATING APPARATUS, NOT INCLUDING ELECTRICAL APPARATUS.) SUMMERFIELD COMPANY, Boston, Mass. Filed Apr. 9, 1923.

Brookline
Home

Particular description of goods.—Stoves.
Claims use since July 10, 1916.

Ser. No. 178,892. (CLASS 21. ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES.) L. S. BRACH MANUFACTURING CO., Newark, N. J. Filed Apr. 10, 1923.

PUR-A-TONE

Particular description of goods.—Radio Head Sets, Radiodetectors, Radio Receiving Sets, Radiocrystals, Radio Loud-Speaker Units, Radiocoils, Variometers, Condensers, and Antennas.
Claims use since about Jan. 15, 1922.

Ser. No. 178,893. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) CAMILLA PREPARATIONS, INC., New York, N. Y. Filed Apr. 10, 1923.

CAMILLA

Particular description of goods.—Reducing Cream.
Claims use since Feb. 1, 1923.

Ser. No. 178,928. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) AARON P. KOTTLER, doing business as Dr. Kottler Laboratories, Chicago, Ill. Filed Apr. 10, 1923.

MOLE-OFF

Particular description of goods.—Chemical Preparation to Remove Skin Blemishes.
Claims use since November, 1921.

Ser. No. 179,012. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) RAYWARD ENGINEERING AND MANUFACTURING CO., Philadelphia, Pa. Filed Apr. 11, 1923.

PED-LOC

Particular description of goods.—Mechanical Motive Pedal Control Devices.
Claims use since Jan. 11, 1923.

Ser. No. 179,031. (CLASS 13. HARDWARE AND PLUMBING AND STEAM-FITTING SUPPLIES.) THE COLUMBUS MCKINNON CHAIN COMPANY, Columbus, Ohio. Filed Apr. 12, 1923.

Double Duty

Particular description of goods.—Tire Chains.
Claims use since Jan. 1, 1923.

Ser. No. 179,108. (CLASS 4. ABRASIVE, DETERGENT, AND POLISHING MATERIALS.) LIGHTFOOT SCHULTZ COMPANY, Hoboken, N. J. Filed Apr. 13, 1923.

SHEIK

Particular description of goods.—Soaps.
Claims use since Jan. 15, 1923.

Ser. No. 179,125. (CLASS 34. HEATING, LIGHTING, AND VENTILATING APPARATUS, NOT INCLUDING ELECTRICAL APPARATUS.) CHARLES E. ADAMSON, Wabash, Ind. Filed Apr. 14, 1923.

DISTILGAS

Particular description of goods.—Stoves, Baking and Annealing Ovens, Heaters, Cookstoves, and Furnaces.
Claims use since Jan. 1, 1920.

Ser. No. 179,153. (CLASS 39. CLOTHING.) SIDNEY JAMES KOBLENZER, doing business as M. Koblenzer & Son, New York, N. Y. Filed Apr. 14, 1923.

John Adams

Trade-mark "John Adams," being a former President of the United States.
Particular description of goods.—Work, Negligee, or Dress Shirts; Pyjamas; Men's, Women's, and Children's Textile Underwear; Women's, Men's, and Boys' Hats, Hose, and Shoes of Leather, Fabric, or Combinations Thereof; Collars, and Cravats.
Claims use since Aug. 15, 1921.

Ser. No. 179,162. (CLASS 2. RECEPTACLES.) NEW STANDARD CORPORATION, Mount Joy, Pa. Filed Apr. 14, 1923.

THERMO-KIT

No claim is made to the use of the word "Kit" apart from the remainder of the mark.
Particular description of goods.—Food Receptacles Insulated for Heat Retaining and Cold Preserving.
Claims use since Apr. 5, 1923.

Ser. No. 179,214. (CLASS 4. ABRASIVE, DETERGENT, AND POLISHING MATERIALS.) A. P. MUNNING & Co., Matawan, N. J. Filed Apr. 16, 1923.

STOVLIME

Particular description of goods.—Lime Polishing Compositions Used in the Buffing and Polishing Trade to Produce a Bright Luster on Nickel, Brass, Copper, Bronze, and Materials of Similar Character.
Claims use since October, 1922.

Ser. No. 179,222. (CLASS 34. HEATING, LIGHTING, AND VENTILATING APPARATUS, NOT INCLUDING ELECTRICAL APPARATUS.) RICHARDSON & BOYNTON CO., New York, N. Y. Filed Apr. 16, 1923. Under ten-year proviso.

PROGRESSIVE

Particular description of goods.—Warm-Air Furnaces.
Claims use since about 1866.

Ser. No. 179,295. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) HARRY ST. JOHN COOKE, doing business as Presto Fire Extinguisher Company, Beacon, N. Y. Filed Apr. 18, 1923.

PRESTO

Particular description of goods.—Dry-Powder Tube Fire Extinguisher.
Claims use since on or about Apr. 1, 1922.

Ser. No. 179,357. (CLASS 11. INKS AND INKING MATERIALS.) COMMONWEALTH COLOR & CHEMICAL CO., Brooklyn, N. Y. Filed Apr. 19, 1923.



Particular description of goods.—Printing Inks.
Claims use since July 1, 1911.

Ser. No. 179,358. (CLASS 4. ABRASIVE, DETERGENT, AND POLISHING MATERIALS.) COMMONWEALTH COLOR AND CHEMICAL CO., Brooklyn, N. Y. Filed Apr. 19, 1923.



Particular description of goods.—Soaps, Cleaning and Scouring Powder.
Claims use since July 1, 1911.

Ser. No. 179,382. (CLASS 27. HOROLOGICAL INSTRUMENTS.) SAVOY WATCH COMPANY, INC., New York, N. Y. Filed Apr. 19, 1923.

HALLMARK

Particular description of goods.—Watch and Clock Movements and Watchcases.
Claims use since January, 1920.

Ser. No. 179,418. (CLASS 21. ELECTRICAL APPARATUS, MACHINES AND SUPPLIES.) THE NATIONAL SCREW AND MANUFACTURING COMPANY, Cleveland, Ohio. Filed Apr. 20, 1923.

RELIABILITY

No claim is made to the word "Reliability."
Particular description of goods.—Electric-Lamp Fixtures, Electric Motors, and Electric Fans.
Claims use since Apr. 4, 1923.

Ser. No. 179,504. (CLASS 15. OILS AND GREASES.) WOLVERINE LUBRICANTS CO. OF NEW YORK, New York, N. Y. Filed Apr. 21, 1923.

No. S

Particular description of goods.—Lubricating Oils.
Claims use since about January, 1915.

Ser. No. 179,541. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) LE ROYE, LTD., Chicago, Ill. Filed Apr. 23, 1923.

CeCORLE

Particular description of goods.—Liquid Preparation for Keeping Curl in Hair.
Claims use since Mar. 20, 1923.

Ser. No. 179,558. (CLASS 36. MUSICAL INSTRUMENTS AND SUPPLIES.) ROSEN & LISTENGART, Brooklyn, N. Y. Filed Apr. 23, 1923.

AHRENEL

Trade-mark consists of the word "Ahrenel."
Particular description of goods.—Phonographs and Parts Thereof.
Claims use since Mar. 28, 1923.

Ser. No. 179,574. (CLASS 4. ABRASIVE, DETERGENT, AND POLISHING MATERIALS.) A. F. WASSERMAN, Memphis, Tenn. Filed Apr. 23, 1923.

Chesterfield

Particular description of goods.—Soap.
Claims use since about Feb. 15, 1922.

Ser. No. 179,605. (CLASS 27. HOROLOGICAL INSTRUMENTS.) JOSEPH GOTTLIEB, New York, N. Y. Filed Apr. 25, 1923.

MARCEL

Particular description of goods.—Watches, Watch Movements and Parts Thereof.
Claims use since Dec. 23, 1921.

Ser. No. 179,730. (CLASS 39. CLOTHING.) HUB HOSIERY MILLS, Boston, Mass. Filed Apr. 26, 1923.

Pussy
Silver Legs

Particular description of goods.—Infants' Hose.
Claims use since Apr. 20, 1923.

Ser. No. 179,796. (CLASS 27. HOROLOGICAL INSTRUMENTS.) FRED KAUFMAN, New York, N. Y. Filed Apr. 27, 1923.

MANFRED

Trade-mark consists of the word "Manfred."
Particular description of goods.—Watches and Parts Thereof.
Claims use since Mar. 1, 1923.

Ser. No. 179,811. (CLASS 45. BEVERAGES, NON-ALCOHOLIC.) WM. MONTGOMERY & CO., Philadelphia, Pa. Filed Apr. 27, 1923.

"Montco Brand"

No claim is made to the word "Brand" apart from the mark as shown.
Particular description of goods.—Sarsaparilla, Ginger Ale, Cream Soda, Root Beer, and Grape Juice.
Claims use since Nov. 1, 1906.

Ser. No. 179,838. (CLASS 42. KNITTED, NETTED AND TEXTILE FABRICS.) WEST ELECTRIC HAIR CURLER COMPANY, Philadelphia, Pa. Filed Apr. 27, 1923.

EVERY DAY

Particular description of goods.—Hair Nets.
Claims use since Feb. 27, 1923.

Ser. No. 179,843. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) THE B-K-SAW CO., Boston, Mass. Filed Apr. 28, 1923.

THE BK SAW CO.

Particular description of goods.—Hack Saws.
Claims use since on or about Apr. 11, 1923.

Ser. No. 179,914. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) ABBOTT LABORATORIES, Chicago, Ill. Filed Apr. 30, 1923.

SUNEX

Particular description of goods.—Preparation for the Prevention and Treatment of Sunburn.
Claims use since June 10, 1922.

Ser. No. 179,929. (CLASS 13. HARDWARE AND PLUMBING AND STEAM-FITTING SUPPLIES.) DETROIT LUBRICATOR COMPANY, Detroit, Mich. Filed Apr. 30, 1923. Under ten-year proviso.

DETROIT

Particular description of goods.—Metal Valves for Pipe Lines and the Like.
Claims use since about 1894.

Ser. No. 179,989. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) BOTANY WORSTED MILLS, Passaic, N. J. Filed May 1, 1923.

REPINGLE

Particular description of goods.—Worsted Yarn Fabric Known in the Textile Industry as "Reps."
Claims use since 1922.

Ser. No. 180,000. (CLASS 37. PAPER AND STATIONERY.) ROBERT FLETCHER & SON LIMITED, Stoneclough, near Manchester, England. Filed May 1, 1923.

BULL

Applicant disclaims any right to the exclusive use of the words "Made in England."
Particular description of goods.—Uncut Cigarette Paper.
Claims use since on or about June 6, 1922.

Ser. No. 180,001. (CLASS 37. PAPER AND STATIONERY.) ROBERT FLETCHER & SON LIMITED, Stoneclough, near Manchester, England. Filed May 1, 1923.

ARCHER

Applicant disclaims any right to the exclusive use of the words "Made in England."
Particular description of goods.—Uncut Cigarette Paper.
Claims use since on or about May 10, 1922.

Ser. No. 180,059. (CLASS 28. JEWELRY AND PRECIOUS-METAL WARE.) FARBER SILVER CORPORATION, New York, N. Y. Filed May 2, 1923.

FARBESCO

Particular description of goods.—Hollow Ware Consisting of Fruit Bowls, Bonbon Dishes, Cake Dishes, Sandwich Plates, Cheese and Cracker Plates, Casserole Holders, Pie-Plate Holders, Meat Platters, Vegetable Dishes, Flower Baskets, Vases, Boat Vases, Candlesticks, Serving Trays, Salt and Pepper Shakers, Ash Trays, Smoking Stands, Lamp Stands, and Utility Dishes, All Made of or Plated with Precious Metal.
Claims use since about Apr. 2, 1923.

Ser. No. 180,083. (CLASS 4. ABRASIVE, DETERGENT, AND POLISHING MATERIALS.) ARTHUR N. SANDERSON, West Springfield, Mass. Filed May 2, 1923.

SANDY'S AS PRIDE

Particular description of goods.—Gold and Silver Polish.
Claims use since Apr. 13, 1923.

Ser. No. 180,133. (CLASS 36. MUSICAL INSTRUMENTS AND SUPPLIES.) LINCOLN RECORD CORPORATION, New York, N. Y. Filed May 3, 1923.

LINCOLN

Particular description of goods.—Phonograph Records.
Claims use since about Mar. 20, 1923.

Ser. No. 180,158. (CLASS 44. DENTAL, MEDICAL, AND SURGICAL APPLIANCES.) THE S. S. WHITE DENTAL MANUFACTURING COMPANY, Philadelphia, Pa. Filed May 3, 1923.

REVELATION

Trade-mark consists of the word "Revelation."
Particular description of goods.—Dental Spotlights and Lamps for the Same.
Claims use since about Aug. 1, 1921.

Ser. No. 180,180. (CLASS 36. MUSICAL INSTRUMENTS AND SUPPLIES.) M. HOHNER, New York, N. Y. Filed May 4, 1923.

Little Lady

Particular description of goods.—Mouth Harmonicas.
Claims use since Mar. 16, 1922.

Ser. No. 180,206. (CLASS 4. ABRASIVE, DETERGENT, AND POLISHING MATERIALS.) BONDED PRODUCTS CORPORATION, New York, N. Y. Filed May 5, 1923.

PBC BONDED

Particular description of goods.—Soap and Scouring Compounds.
Claims use since Jan. 15, 1923.

Ser. No. 180,271. (CLASS 39. CLOTHING.) THE COHEN COMPANY, INC., Richmond, Va. Filed May 7, 1923.

Virginia Girl

Trade-mark "Virginia Girl."
Particular description of goods.—Women's Silk Hosiery.
Claims use since May 1, 1922.

Ser. No. 180,293. (CLASS 21. ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES.) O. & T. ELECTRIC CORPORATION, New York, N. Y. Filed May 7, 1923.

SILVERTONE

Trade-mark consists of the word "Silvertone."
Particular description of goods.—Radio Detector and Amplifier Tubes.
Claims use since January, 1923.

Ser. No. 180,358. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) BOTANY WORSTED MILLS, Passaic, N. J. Filed May 9, 1923.

MODELLA

Particular description of goods.—Wool Pile Fabric.
Claims use since 1922.

Ser. No. 180,359. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) BOTANY WORSTED MILLS, Passaic, N. J. Filed May 9, 1923.

BOLERAS

Particular description of goods.—Brocaded Wool Pile Fabric.
Claims use since 1922.

Ser. No. 180,375. (CLASS 4. ABRASIVE, DETERGENT, AND POLISHING MATERIALS.) H. KOHNSTAMM & CO., INC., New York, N. Y. Filed May 9, 1923.

NEUTRACHLOR

Particular description of goods.—Washing Powder for Laundry Purposes.
Claims use since Feb. 8, 1923.

Ser. No. 180,404. (CLASS 15. OILS AND GREASES.) FREDERICK J. ABBOTT, doing business as Crystal Petroleum Products Corporation, Los Angeles, Calif. Filed May 10, 1923.

MOBILITE

Particular description of goods.—Motor Fuels.
Claims use since Apr. 18, 1923.

Ser. No. 180,417. (CLASS 39. CLOTHING.) CADET KNITTING COMPANY, Philadelphia, Pa. Filed May 10, 1923.

WISKNIT

Particular description of goods.—Sweater Coats.
Claims use since Jan. 1, 1923.

Ser. No. 180,456. (CLASS 13. HARDWARE AND PLUMBING AND STEAM-FITTING SUPPLIES.) THE TURNER & SEYMOUR MANUFACTURING COMPANY, Torrington, Conn. Filed May 10, 1923.

Trimrod

Particular description of goods.—Metal Curtain Rods.
Claims use since Apr. 19, 1923.

Ser. No. 180,529. (CLASS 36. MUSICAL INSTRUMENTS AND SUPPLIES.) J. C. DEAGAN, INC., Chicago, Ill. Filed May 12, 1923.

XYLORIMBA

Particular description of goods.—Xylophones.
Claims use since Jan. 10, 1922.

Ser. No. 180,585. (CLASS 39. CLOTHING.) CARLETON DRY GOODS COMPANY, St. Louis, Mo. Filed May 14, 1923.

Alworth

Particular description of goods.—Dress, Negligee, and Work Shirts; Nightgowns and Pyjamas.
Claims use since Apr. 11, 1923.

Ser. No. 180,587. (CLASS 39. CLOTHING.) CARSON PIRIE SCOTT & COMPANY, Chicago, Ill. Filed May 14, 1923.

Dainty Maid

Particular description of goods.—Petticoats and Bloomers.
Claims use since about Dec. 15, 1921.

Ser. No. 180,591. (CLASS 39. CLOTHING.) JOHN DAVID, New York, N. Y. Filed May 14, 1923.

THE DOUBLE DUTEE

Particular description of goods.—Men's Suits, Dress Suits, Tuxedo Suits, Full-Dress Suits; Dinner, Dance, and Theater Jackets; Raincoats, Overcoats, Coats, Trousers, Vests, Knickerbockers.
Claims use since Mar. 1, 1923.

Ser. No. 180,603. (CLASS 34. HEATING, LIGHTING, AND VENTILATING APPARATUS, NOT INCLUDING ELECTRICAL APPARATUS.) HOWARD STOVE & FURNACE CO., Ralston, Nebr. Filed May 14, 1923.

KOLD KILLER

Particular description of goods.—Heating Furnaces.
Claims use since July 25, 1922.

Ser. No. 180,610. (CLASS 4. ABRASIVE, DETERGENT, AND POLISHING MATERIALS.) LEVER BROTHERS COMPANY, Cambridge, Mass. Filed May 14, 1923.

OLVA

Particular description of goods.—Soap.
Claims use since May 1, 1923.

Ser. No. 180,639. (CLASS 4. ABRASIVE, DETERGENT, AND POLISHING MATERIALS.) FRED A. WISH, INCORPORATED, New York, N. Y. Filed May 14, 1923.

UNCLE WIGGILY

Particular description of goods.—Bath Soap.
Claims use since Nov. 24, 1922.

Ser. No. 180,642. (CLASS 39. CLOTHING.) FRED A. WISH, INCORPORATED, New York, N. Y. Filed May 14, 1923.

UNCLE WIGGILY

Particular description of goods.—Hosiery, Sleeping Garments, Bibs, and Aprons.
Claims use since Aug. 4, 1922.

Ser. No. 180,643. (CLASS 39. CLOTHING.) ZIESER & KLING, St. Louis, Mo. Filed May 14, 1923.

Klingrite

Particular description of goods.—Ladies' and Misses' Coats and Suits.
Claims use since April, 1919.

Ser. No. 180,651. (CLASS 34. HEATING, LIGHTING, AND VENTILATING APPARATUS, NOT INCLUDING ELECTRICAL APPARATUS.) THE BLOCK GAS MANTLE COMPANY, Youngstown, Ohio. Filed May 15, 1923.

DAZZELITE

Particular description of goods.—Gas and Gasoline Mantles.
Claims use since Apr. 16, 1923.

Ser. No. 180,717. (CLASS 37. PAPER AND STATIONERY.) NORTHERN PAPER MILLS, Green Bay, Wis. Filed May 16, 1923.



The bird and words of trade-mark are yellow.
Particular description of goods.—Toilet Paper.
Claims use since Aug. 31, 1921.

Ser. No. 180,751. (CLASS 4. ABRASIVE, DETERGENT, AND POLISHING MATERIALS.) SUSANNA COCROFT LABORATORIES INC., New York, N. Y. Filed May 17, 1923.



Particular description of goods.—Soap.
Claims use since about Jan. 12, 1922.

Ser. No. 180,876. (CLASS 29. BROOMS, BRUSHES, AND DUSTERS.) JACOB A. MEINHARDT, doing business as J. A. Meinhardt Company, Chicago, Ill. Filed May 19, 1923.



Particular description of goods.—Mops, Mopsticks, and Bathtub Cleaners.
Claims use since Jan. 2, 1923.

Ser. No. 180,957. (CLASS 4. ABRASIVE, DETERGENT, AND POLISHING MATERIALS.) AXXO CHEMICAL CO., New York, N. Y. Filed May 22, 1923.

AXXO

Trade-mark consists of the word "Axxo."
Particular description of goods.—Detergent in the Nature of a Water Softener and Soap.
Claims use since Apr. 24, 1923.

Ser. No. 181,125. (CLASS 4. ABRASIVE, DETERGENT, AND POLISHING MATERIALS.) JUSTA MFG. CO., Hugo, Okla. Filed May 25, 1923.



Particular description of goods.—Washing Compound.
Claims use since Feb. 1, 1923.

Ser. No. 181,135. (CLASS 29. BROOMS, BRUSHES, AND DUSTERS.) MARSHALL-WELLS COMPANY, Duluth, Minn. Filed May 25, 1923.

Zenith

Particular description of goods.—Paintbrushes and Shaving Brushes.
Claims use since about Mar. 1, 1923.

Ser. No. 181,156. (CLASS 31. FILTERS AND REFRIGERATORS.) UNIVERSE CORPORATION, Chicago, Ill. Filed May 25, 1923.

POLARIS

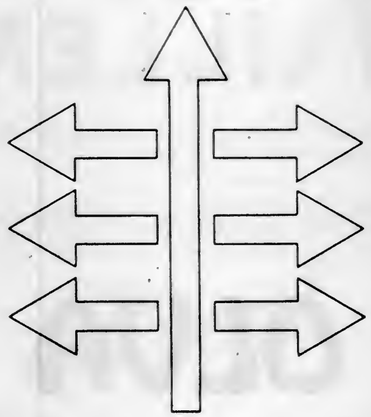
Particular description of goods.—Refrigerators.
Claims use since June 30, 1922.

Ser. No. 181,304. (CLASS 37. PAPER AND STATIONERY.) NEW METHOD DIE & CUT-OUT CO., INC., Boston, Mass. Filed May 28, 1923.

STAYPUT

Particular description of goods.—Cardboard Easels for Supporting Advertising Cards.
Claims use since Feb. 15, 1923.

Ser. No. 181,314. (CLASS 34. HEATING, LIGHTING, AND VENTILATING APPARATUS, NOT INCLUDING ELECTRICAL APPARATUS.) SANFORD RILEY STOKER COMPANY, Worcester, Mass. Filed May 28, 1923.



Particular description of goods.—Underfeed Stokers.
Claims use since Nov. 29, 1922.

Ser. No. 181,327. (CLASS 27. HOROLOGICAL INSTRUMENTS.) A. WITTNAUER CO., New York, N. Y. Filed May 28, 1923.

The Observatory Watch

Trade-mark consists of the words "The Observatory Watch." No claim made to the exclusive use of the word "Watch" apart from the mark as shown on the drawing.
Particular description of goods.—Watches.
Claims use since Apr. 28, 1923.

Ser. No. 181,349. (CLASS 8. SMOKERS' ARTICLES, NOT INCLUDING TOBACCO PRODUCTS.) R. J. REYNOLDS TOBACCO COMPANY, Winston-Salem, N. C. Filed May 29, 1923.

OCB

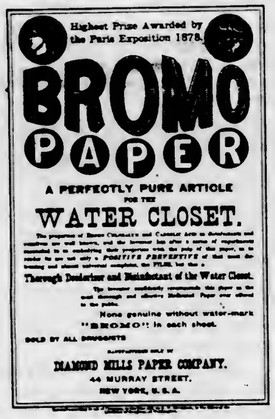
Particular description of goods.—Cigarette Paper.
Claims use since May 19, 1923.

Ser. No. 181,380. (CLASS 29. BROOMS, BRUSHES, AND DUSTERS.) THE CHORE-UTENSILS CORPORATION OF AMERICA, Orange, N. J. Filed May 31, 1923.

WAND

Particular description of goods.—Dish, Bottle, and Pot Mops.
Claims use since Oct. 26, 1922.

Ser. No. 181,387. (CLASS 37. PAPER AND STATIONERY.) DIAMOND MILLS PAPER COMPANY, New York, N. Y. Filed May 31, 1923. Under ten-year proviso.



Particular description of goods.—Toilet Paper.
Claims use since about Jan. 1, 1873.

Ser. No. 181,397. (CLASS 33. GLASSWARE.) L. J. HOUZE CONVEX GLASS COMPANY, Point Marion, Pa. Filed May 31, 1923.



Particular description of goods.—Sheet Glass.
Claims use since Apr. 15, 1922.

Ser. No. 181,605. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) R. G. MAXWELL & CO., London, England, and Hawick, Scotland. Filed June 6, 1923.

GOUFBAA

Particular description of goods.—Piece Goods of Wool, Worsted, or Hair.
Claims use since Sept. 29, 1922.

Ser. No. 181,686. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS AND PARTS THEREOF.) FIREITE EXTINGUISHER CO., Masontown, Pa. Filed June 8, 1923.



Particular description of goods.—Hand Fire Extinguishers.
Claims use since June 5, 1923.

Ser. No. 181,715. (CLASS 27. HOROLOGICAL INSTRUMENTS. BAIRD-NORTH COMPANY, Providence, R. I. Filed June 9, 1923.

LADY ALTON

Trade-mark consists of the words "Lady Alton."
Particular description of goods.—Watches.
Claims use since Oct. 18, 1922.

TRADE-MARK REGISTRATIONS GRANTED

[ACT OF FEBRUARY 20, 1905.]

JULY 24, 1923.

170,696. CEREAL BREAKFAST FOOD. Kellogg Toasted Corn Flake Co., Battle Creek, Mich.
Filed December 19, 1921. Serial No. 156,905. PUBLISHED MARCH 20, 1923.

170,697. MISCELLANEOUS CEREAL PRODUCTS; BIRD, ANIMAL, AND POULTRY FEED. The H-O Cereal Company, Inc., Buffalo, N. Y.
Filed November 18, 1921. Serial No. 155,560. PUBLISHED MARCH 20, 1923.

170,698. POWDERED MILK. International Dry Milk Co., Minneapolis, Minn.
Filed November 21, 1921. Serial No. 155,689. PUBLISHED APRIL 24, 1923.

170,699. POWDERED MILK. International Dry Milk Co., Minneapolis, Minn.
Filed November 21, 1921. Serial No. 155,690. PUBLISHED APRIL 24, 1923.

170,700. POWDERED MILK. International Dry Milk Co., Minneapolis, Minn.
Filed November 21, 1921. Serial No. 155,691. PUBLISHED APRIL 24, 1923.

170,701. CANDY, PEANUT BUTTER, PEANUT-BUTTER SANDWICH, PEANUTS, MARSHMALLOW CREAM, POTATO CHIPS, CAKE, AND SALAD DRESSING. Lance Packing Co., Charlotte, N. C.
Filed December 13, 1921. Serial No. 156,644. PUBLISHED MARCH 20, 1923.

170,702. SHEETS AND PILLOWCASES. Ely & Walker Dry Goods Company, St. Louis, Mo.
Filed July 8, 1921. Serial No. 150,141. PUBLISHED NOVEMBER 8, 1921.

170,703. OLIVE OIL. Raffaele Martorelli, New York, N. Y.
Filed August 27, 1921. Serial No. 152,269. PUBLISHED MAY 9, 1922.

170,704. COMBINED BOILER AND HEATER OTHER THAN ELECTRICALLY OPERATED. American Radiator Company, East Orange, N. J., and Chicago, Ill.
Filed October 14, 1921. Serial No. 154,073. PUBLISHED APRIL 24, 1923.

170,705. WHEAT FLOUR—NAMELY, SELF-RISING FLOUR. Ballard & Ballard Co., Louisville, Ky.
Filed October 14, 1921. Serial No. 154,075. PUBLISHED MARCH 20, 1923.

170,706. MAPLE CREAM, MAPLE SIRUP, MAPLE SUGAR, SAUCE FOR ICE CREAM, AND MAPLE HONEY. Maple Grove Candies, Inc., St. Johnsbury, Vt.
Filed October 24, 1921. Serial No. 154,522. PUBLISHED APRIL 17, 1923.

170,707. COFFEE. Dwinell-Wright Company, Boston, Mass.
Filed October 31, 1921. Serial No. 154,793. PUBLISHED MAY 1, 1923.

170,708. PHONOGRAPH RECORDS. Sears, Roebuck and Company, New York, N. Y., and Chicago, Ill.
Filed November 23, 1920. Serial No. 140,072. PUBLISHED APRIL 24, 1923.

170,709. SMOKED MEATS. Virden Packing Company, San Francisco, Calif.
Filed January 12, 1921. Serial No. 142,184. PUBLISHED MAY 8, 1923.

170,710. ICE CREAM AND BUTTER. Carolina Creamery Co., Asheville, N. C.
Filed June 22, 1921. Serial No. 149,504. PUBLISHED MARCH 20, 1923.

170,711. LIQUID POLISHING COMPOUND FOR CLEANING AND POLISHING AUTOMOBILE BODIES. James H. Laidlaw, doing business as Marvel-o Manufacturing Co., San Diego, Calif.
Filed June 24, 1921. Serial No. 149,592. PUBLISHED APRIL 24, 1923.

170,712. CURD MEAT FROM THE SOYA. Yamei Kin, New York, N. Y.
Filed April 15, 1920. Serial No. 131,177. PUBLISHED APRIL 24, 1923.

170,713. A CERTAIN NAMED CHEMICAL PREPARATION. Augustus Paul Heinze, doing business as Motor Kool Co., Detroit, Mich.
Filed October 11, 1920. Serial No. 138,168. PUBLISHED APRIL 24, 1923.

170,714. LUBRICATING OILS AND GREASES, AUTOMOBILE FUEL OILS, AND CUTTING OILS FOR TREATING METALS OF DIFFERENT KINDS. The Oil and Chemical Corporation, Chicago, Ill.
Filed October 23, 1920. Serial No. 138,722. PUBLISHED APRIL 24, 1923.

170,715. CHAINS FOR PERSONAL ADORNMENT WHICH ARE MADE OF OR PLATED WITH PRECIOUS METAL. Forstner Chain Corporation, Irvington, N. J.
Filed November 3, 1920. Serial No. 139,118. PUBLISHED APRIL 24, 1923.

170,716. MEN'S, WOMEN'S, AND CHILDREN'S BOOTS, SHOES, AND SLIPPERS MADE WHOLLY OR IN PART OF LEATHER, CANVAS, RUBBER, OR TEXTILE MATERIAL. Alfred Hale Rubber Company, Quincy, Mass.
Filed December 14, 1922. Serial No. 173,314. PUBLISHED APRIL 24, 1923.

170,717. FABRIC AND LEATHER SHOES FOR MEN, WOMEN, AND CHILDREN. London Shoe Co., Inc., New York, N. Y.
Filed December 5, 1922. Serial No. 172,948. PUBLISHED APRIL 24, 1923.

170,718. TOILET WATER. W. J. Bush & Co., Inc., New York, N. Y.
Filed December 11, 1922. Serial No. 173,170. PUBLISHED APRIL 24, 1923.

170,719. TOILET WATER. W. J. Bush & Co. Inc., New York, N. Y.
Filed December 11, 1922. Serial No. 173,171. PUBLISHED APRIL 24, 1923.

170,720. HAIR TONIC AND FIXATIVE. Alfred J. Krank, St. Paul, Minn.
Filed December 11, 1922. Serial No. 173,193. PUBLISHED APRIL 24, 1923.

170,721. POLISHES FOR FURNITURE, AUTOMOBILES, AND VARNISHED AND FINISHED SURFACES GENERALLY. Olson Brothers Company, Minneapolis, Minn.
Filed December 11, 1922. Serial No. 173,203. PUBLISHED APRIL 24, 1923.

170,722. A CERTAIN NAMED MEDICINAL PREPARATION. Edward F. White, doing business as White Products Company, Norfolk, Va.
Filed November 23, 1922. Serial No. 172,459. PUBLISHED APRIL 24, 1923.

170,723. ARCH SUPPORTS. Francis Rogers & Sons, New York, N. Y.
Filed November 25, 1922. Serial No. 172,557. PUBLISHED APRIL 24, 1923.

170,724. MEDICINAL PREPARATION RECOMMENDED FOR THE TREATMENT OF AFFECTIONS OF THE THROAT, BRONCHIAL TUBES, AND LUNGS. The Balsamea Co., San Francisco, Calif.
Filed November 29, 1922. Serial No. 172,661. PUBLISHED APRIL 24, 1923.

170,725. CHEMICAL USED AS A FLUX FOR THE PREPARATION OF AN ANTIRUSTING SOLDERING SOLUTION. Consolvo Manufacturing Company, Inc., South Norfolk, Va.
Filed November 29, 1922. Serial No. 172,664. PUBLISHED APRIL 24, 1923.

170,726. MEN'S HATS. Hutt & Wasserman Inc., New York, N. Y.
Filed December 2, 1922. Serial No. 172,837. PUBLISHED APRIL 24, 1923.

170,727. CORSETS, GIRDLES, BANDEAUX, AND BRASSIÈRES. Owego Corset Company, Inc., Owego, N. Y.
Filed December 4, 1922. Serial No. 172,899. PUBLISHED APRIL 24, 1923.

170,728. WOMEN'S SHOES OF LEATHER OR FABRIC OR A COMBINATION THEREOF. Craddock Terry Company, Lynchburg, Va.
Filed November 13, 1922. Serial No. 171,906. PUBLISHED APRIL 24, 1923.

170,729. CERTAIN NAMED CLOTHING. Calhoun, Robbins & Co., New York, N. Y.
Filed November 18, 1922. Serial No. 172,201. PUBLISHED APRIL 24, 1923.

170,730. MEN'S WINTER HATS. Parker-Bridget Company, Washington, D. C.
Filed November 18, 1922. Serial No. 172,238. PUBLISHED APRIL 24, 1923.

170,731. SHOE HEELS. Chas. H. Coulson, doing business as Coulson Heel Company, Hanover, Pa.
Filed November 20, 1922. Serial No. 172,262. PUBLISHED APRIL 24, 1923.

170,732. CERTAIN NAMED MEDICINAL PREPARATIONS. Emory J. Evans, Kenova, W. Va.
Filed November 21, 1922. Serial No. 172,324. PUBLISHED APRIL 24, 1923.

170,733. PAINTS OF ALL KINDS, VARNISHES, PAINT OILS, AND QUICK-DRYING OILS. N. V. Vernis- en Verffabriek v. h. J. Wagemakers & Zonen, Breda, Netherlands.
Filed November 22, 1922. Serial No. 172,391. PUBLISHED APRIL 24, 1923.

170,734. PIANO-PLAYER ACTIONS. King Player Action Company, Inc., New York, N. Y.
Filed November 23, 1922. Serial No. 172,420. PUBLISHED APRIL 24, 1923.

170,735. MEDICAL COMPOUNDS PRESCRIBED FOR THE RELIEF OF PAIN AND FOR THE REDUCTION OF TEMPERATURE. Francis L. McCollam, doing business as Kozol Laboratories, New York, N. Y.
Filed November 23, 1922. Serial No. 172,426. PUBLISHED APRIL 24, 1923.

170,736. PETROLEUM PRODUCTS—NAMELY, GASOLINE AND NAPHTHA. Standard Oil Company of New York, New York, N. Y.
Filed September 25, 1922. Serial No. 169,934. PUBLISHED MAY 15, 1923.

170,737. BOOTS AND SHOES MADE OF LEATHER OR LEATHER AND CLOTH. V. K. & A. H. Jones & Thomas Co., Lynn, Mass.
Filed December 15, 1922. Serial No. 173,357. PUBLISHED APRIL 24, 1923.

170,738. POLISH FOR VARNISHED, ENAMELED, AND LACQUERED SURFACES, WITH INCIDENTAL PROPERTIES AS A CLEANER. Joseph Jenen, doing business as The J. J. Company, Chicago, Ill.
Filed January 3, 1923. Serial No. 174,142. PUBLISHED APRIL 24, 1923.

170,739. CERTAIN NAMED MEDICINAL PREPARATIONS. William Wentworth Herrick, Saratoga Springs, N. Y.
Filed January 5, 1923. Serial No. 174,206. PUBLISHED APRIL 24, 1923.

170,740. DEODORANT. James T. Gallagher, doing business as Edith Frances, Miami, Fla.
Filed January 6, 1923. Serial No. 174,239. PUBLISHED APRIL 24, 1923.

170,741. COMPOUND FOR TREATING RHEUMATISM AND DISEASES OF THE BLOOD. August G. De Brule, doing business as Porcupine Medicine Co., Blewett and Spokane, Wash.
Filed January 8, 1923. Serial No. 174,295. PUBLISHED APRIL 24, 1923.

170,742. CERTAIN NAMED PIECE GOODS. Travis, Romaine & Jelle, Inc., New York, N. Y.
Filed January 12, 1923. Serial No. 174,545. PUBLISHED APRIL 24, 1923.

170,743. GOATSKINS, COLT AND HORSE HIDES, KIPS, AND COW SIDES. Charles A. Reynolds, doing business as C. A. Reynolds Leather Company, Camden, N. J.
Filed January 13, 1923. Serial No. 174,592. PUBLISHED APRIL 24, 1923.

170,744. MOUTH WASH AND A REMEDY FOR PYORRHEA. Hom-Pyrrho Co., San Francisco, Calif.
Filed January 15, 1923. Serial No. 174,626. PUBLISHED APRIL 24, 1923.

170,745. VANISHING AND MASSAGE CREAM. A. J. Krank Mfg. Co., St. Paul, Minn.
Filed December 18, 1922. Serial No. 173,500. PUBLISHED APRIL 24, 1923.

170,746. SALTED PEANUTS AND SALTED ALMONDS. Huntington D. Sawkins, Baltimore, Md.
Filed December 19, 1922. Serial No. 173,580. PUBLISHED APRIL 24, 1923.

170,747. CANDIES. D. Auerbach & Sons, New York, N. Y.
Filed December 23, 1922. Serial No. 173,737. PUBLISHED APRIL 24, 1923.

170,748. MEN'S AND BOYS' HATS AND CAPS. Charles S. Merton & Co., East Rutherford, N. J.
Filed December 23, 1922. Serial No. 173,778. PUBLISHED APRIL 24, 1923.

170,749. OINTMENT. The Lyndon Chemical Company, Dayton, Ohio.
Filed January 2, 1923. Serial No. 174,088. PUBLISHED APRIL 24, 1923.

170,750. OINTMENT. The Lyndon Chemical Company, Dayton, Ohio.
Filed January 2, 1923. Serial No. 174,089. PUBLISHED APRIL 24, 1923.

170,751. CHEMICAL COMPOUND FOR ETCHING GLASS. McKay Company, New York, N. Y.
Filed January 2, 1923. Serial No. 174,091. PUBLISHED APRIL 24, 1923.

170,752. INSECTICIDE FOR USE IN EXTERMINATING RODENTS AND INSECTS. George W. Roller, Spokane, Wash.
Filed December 15, 1922. Serial No. 173,364. PUBLISHED APRIL 24, 1923.

170,753. INSECTICIDE FOR USE IN EXTERMINATING RODENTS, GROUND-BURROWING ANIMALS, SUCH AS SQUIRRELS AND THE LIKE. JOSEPH J. SELDAGE, Spokane, Wash.
Filed December 15, 1922. Serial No. 173,366. PUBLISHED APRIL 24, 1923.

170,754. CHOCOLATES. THE GREAT ATLANTIC AND PACIFIC TEA COMPANY, Jersey City, N. J.
Filed December 16, 1922. Serial No. 173,417. PUBLISHED APRIL 24, 1923.

170,755. NAIL POLISH. HENRY L. HUGHES CO. INC., New York, N. Y.
Filed December 18, 1922. Serial No. 173,497. PUBLISHED APRIL 24, 1923.

170,756. BLUING PADDLES. FREDRICK G. MITCHELL, doing business as L. Mitchell & Company, Chicago, Ill.
Filed December 14, 1922. Serial No. 173,334. PUBLISHED APRIL 24, 1923.

170,757. CARBON BLACK. GODFREY L. CABOT, INC., Boston, Mass.
Filed February 15, 1923. Serial No. 176,071. PUBLISHED APRIL 24, 1923.

170,758. SHOES MADE WHOLLY OR IN PART OF LEATHER. VAUGHAN-TOWLE CO., Lynn, Mass.
Filed February 19, 1923. Serial No. 176,300. PUBLISHED APRIL 24, 1923.

170,759. RUBBER BOOTS AND SHOES, RUBBER OVERSHOES, AND RUBBER-SOLED CANVAS SHOES. HOOD RUBBER COMPANY, Watertown, Mass.
Filed February 20, 1923. Serial No. 176,344. PUBLISHED APRIL 24, 1923.

170,760. FURNITURE POLISH. W. T. GRANT COMPANY, Lynn, Mass., and New York, N. Y.
Filed February 21, 1923. Serial No. 176,405. PUBLISHED APRIL 24, 1923.

170,761. FIBER BOXES. IOWA FIBER BOX COMPANY, Keokuk, Iowa.
Filed February 23, 1923. Serial No. 176,475. PUBLISHED APRIL 10, 1923.

170,762. WOMEN'S SANDALS OF LEATHER AND TEXTILE MATERIAL. HARRY E. ADAMS, Haverhill, Mass.
Filed February 28, 1923. Serial No. 176,705. PUBLISHED APRIL 24, 1923.

170,763. WOMEN'S SANDALS OF LEATHER AND TEXTILE MATERIAL. HARRY E. ADAMS, Haverhill, Mass.
Filed February 28, 1923. Serial No. 176,706. PUBLISHED APRIL 24, 1923.

170,764. WOMEN'S SANDALS OF LEATHER AND TEXTILE MATERIAL. HARRY E. ADAMS, Haverhill, Mass.
Filed February 28, 1923. Serial No. 176,707. PUBLISHED APRIL 24, 1923.

170,765. WOMEN'S SANDALS OF LEATHER AND TEXTILE MATERIAL. HARRY E. ADAMS, Haverhill, Mass.
Filed February 28, 1923. Serial No. 176,708. PUBLISHED APRIL 24, 1923.

170,766. CANDLES. GEISTRIDIS, FROSSO & CO., New York, N. Y.
Filed March 9, 1923. Serial No. 177,183. PUBLISHED APRIL 24, 1923.

170,767. PAPER CANS. THE NATIONAL PAPER CAN COMPANY, Milwaukee, Wis.
Filed March 12, 1923. Serial No. 177,317. PUBLISHED APRIL 24, 1923.

170,768. LIQUID AND PASTE PAINTS. PITTSBURGH PLATE GLASS COMPANY, Pittsburgh, Pa.
Filed March 14, 1923. Serial No. 177,451. PUBLISHED APRIL 24, 1923.

170,769. VANITY CASES AND LADIES' HAND BAGS. RITTER BROTHERS, New York, N. Y.
Filed March 15, 1923. Serial No. 177,517. PUBLISHED APRIL 24, 1923.

170,770. VARNISHES. BERRY BROTHERS, Detroit, Mich.
Filed March 19, 1923. Serial No. 177,647. PUBLISHED APRIL 24, 1923.

170,771. CARBON BLACK. GODFREY L. CABOT, INC., Boston, Mass.
Filed February 15, 1923. Serial No. 176,070. PUBLISHED APRIL 24, 1923.

170,772. PIPES AND PIPE PARTS AND CIGAR AND CIGARETTE HOLDERS. GENERAL BAKELITE COMPANY, Perth Amboy, N. J.
Filed February 6, 1923. Serial No. 175,601. PUBLISHED APRIL 24, 1923.

170,773. WARDROBE TRUNKS. NEW PROCESS COMPANY, Warren Pa.
Filed February 6, 1923. Serial No. 175,620. PUBLISHED APRIL 24, 1923.

170,774. TEXTILE RUGS. KENT-COSTIKYAN TRADING COMPANY INC., New York, N. Y.
Filed February 7, 1923. Serial No. 175,661. PUBLISHED APRIL 24, 1923.

170,775. BOTTLE CONTAINERS OR CASES, THE CONTAINERS BEING PREFERABLY MADE OF WOOD OR METAL. THE DEFIANCE PRESSED STEEL COMPANY, Defiance, Ohio.
Filed February 8, 1923. Serial No. 175,714. PUBLISHED APRIL 24, 1923.

170,776. MOTION PICTURES. ASSOCIATED EXHIBITORS INC., Dover, Del., and New York, N. Y.
Filed February 9, 1923. Serial No. 175,759. PUBLISHED APRIL 24, 1923.

170,777. RIBBONS BY THE YARD AND IN THE PIECE. WERTHEIMER BROTHERS, New York, N. Y.
Filed February 14, 1923. Serial No. 176,052. PUBLISHED APRIL 24, 1923.

170,778. CARBON BLACK. GODFREY L. CABOT, INC., Boston, Mass.
Filed February 15, 1923. Serial No. 176,067. PUBLISHED APRIL 24, 1923.

170,779. CARBON BLACK. GODFREY L. CABOT, INC., Boston, Mass.
Filed February 15, 1923. Serial No. 176,069. PUBLISHED APRIL 24, 1923.

170,780. WOOL, WOOL AND COTTON MIXED, AND COTTON BLANKETS. O. A. HALE & CO., San Jose, Calif.
Filed January 17, 1923 Serial No. 174,693. PUBLISHED APRIL 24, 1923.

170,781. TOILET POWDER. OLIVETTE LABORATORIES, INC., Providence, R. I.
Filed January 17, 1923. Serial No. 174,700. PUBLISHED APRIL 24, 1923.

170,782. HAIR TONIC. WOMBLE CHEMICAL COMPANY, Womble, Ark.
Filed January 17, 1923. Serial No. 174,714. PUBLISHED APRIL 24, 1923.

170,783. PERFUMES. AGRA COMPANY, Detroit, Mich.
Filed January 19, 1923. Serial No. 174,762. PUBLISHED APRIL 24, 1923.

170,784. PAINTS, PARTICULARLY PASTE AND READY-MIXED PAINTS. AMERICAN MARINE PAINT COMPANY, INC., New York, N. Y.
Filed January 24, 1923. Serial No. 174,987. PUBLISHED APRIL 24, 1923.

170,785. FLOWER SEEDS. W. ATLEE BURPEE CO., Philadelphia, Pa.
Filed January 25, 1923. Serial No. 175,066. PUBLISHED APRIL 24, 1923.

170,786. VEGETABLE, FLOWER, AND LAWN-GRASS SEEDS AND BULBS. W. ATLEE BURPEE CO., Philadelphia, Pa.
Filed January 25, 1923. Serial No. 175,067. PUBLISHED APRIL 24, 1923.

170,787. LADIES' HAND BAGS AND POCKETBOOKS OF MATERIAL OTHER THAN OF PRECIOUS METAL. JOHN CYGANIEWICZ, Chicago, Ill.
Filed January 25, 1923. Serial No. 175,071. PUBLISHED APRIL 24, 1923.

170,788. COTTON PIECE GOODS. COHN HALL MARX CO., New York, N. Y.
Filed January 30, 1923. Serial No. 175,302. PUBLISHED APRIL 24, 1923.

170,789. COTTON PIECE GOODS. HUNTER MANUFACTURING & COMMISSION CO., New York, N. Y.
Filed January 30, 1923. Serial No. 175,314. PUBLISHED APRIL 24, 1923.

170,790. LACQUER COMPOSITIONS. WILLIAM H. SCHEEL, New York, N. Y.
Filed January 30, 1923. Serial No. 175,326. PUBLISHED APRIL 24, 1923.

170,791. WHEAT FLOUR. LAWRENCEBURG ROLLER MILLS CO., Lawrenceburg, Ind.
Filed October 16, 1922. Serial No. 170,774. PUBLISHED MARCH 13, 1923.

170,792. COCOA, TEA, AND RICE. OLD DUTCH MILLS, INC., New York, N. Y.
Filed October 11, 1922. Serial No. 170,594. PUBLISHED MARCH 13, 1923.

170,793. WHEAT FLOUR. WASHBURN-CROSBY COMPANY, Minneapolis, Minn.
Filed October 9, 1922. Serial No. 170,513. PUBLISHED MARCH 13, 1923.

170,794. BREAD. WARD BAKING COMPANY, New York, N. Y.
Filed September 21, 1922. Serial No. 169,794. PUBLISHED FEBRUARY 27, 1923.

170,795. CHEESES. C. PERCEVAL, New York, N. Y.
Filed September 22, 1922. Serial No. 169,821. PUBLISHED FEBRUARY 27, 1923.

170,796. BREAKFAST CEREAL. WILLIAM B. FINK, Detroit, Mich.
Filed September 27, 1922. Serial No. 169,968. PUBLISHED FEBRUARY 27, 1923.

170,797. CRACKER PRODUCTS, CRACKERS, CAKES, AND DUTCH STYLE COOKIES. THE W. R. MONTAGUE COMPANY, La Crosse, Wis.
Filed September 29, 1922. Serial No. 170,076. PUBLISHED APRIL 3, 1923.

170,798. OLEOMARGARINE. MORRIS & COMPANY, Chicago, Ill.
Filed October 7, 1922. Serial No. 170,443. PUBLISHED MARCH 13, 1923.

170,799. BREAD. WARD BAKING COMPANY, New York, N. Y.
Filed September 12, 1922. Serial No. 169,382. PUBLISHED FEBRUARY 27, 1923.

170,800. BREAD AND CEREAL BREAKFAST FOODS. WARD BAKING COMPANY, New York, N. Y.
Filed September 12, 1922. Serial No. 169,383. PUBLISHED MARCH 27, 1923.

170,801. BREAD. WARD BAKING COMPANY, New York, N. Y.
Filed September 12, 1922. Serial No. 169,384. PUBLISHED MARCH 27, 1923.

170,802. PASTRIES. PY-ET COMPANY, Seattle, Wash.
Filed September 14, 1922. Serial No. 169,456. PUBLISHED FEBRUARY 27, 1923.

170,803. CEREALS MADE FROM WHEAT BRAN, HONEY, AND SALT. KEVIL CEREAL COMPANY, Princeton, Ky.
Filed September 16, 1922. Serial No. 169,550. PUBLISHED FEBRUARY 27, 1923.

170,804. BREAD. LOUIS B. FELLNER, Belleville, Ill.
Filed September 18, 1922. Serial No. 169,579. PUBLISHED APRIL 3, 1923.

170,805. CAKE AND PASTRY MIXTURE. S. W. NOGGLE, doing business as The S. W. Noggle Company, Kansas City, Mo.
Filed September 21, 1922. Serial No. 169,773. PUBLISHED FEBRUARY 27, 1923.

170,806. WHEAT FLOUR. WABASHA ROLLER MILL COMPANY, Wabasha, Minn.
Filed September 21, 1922. Serial No. 169,793. PUBLISHED FEBRUARY 27, 1923.

170,807. WHEAT FLOUR. THE LARABEE FLOUR MILLS CORPORATION, Hutchinson, Kans., and Kansas City, Mo.
Filed November 2, 1922. Serial No. 171,502. PUBLISHED MARCH 13, 1923.

170,808. BREAD. TIP TOP BAKING CO., Louisville, Ky.
Filed November 3, 1922. Serial No. 171,558. PUBLISHED MARCH 13, 1923.

170,809. BUTTER. IOLA CREAMERY COMPANY, Iola, Kans.
Filed November 9, 1922. Serial No. 171,759. PUBLISHED MARCH 13, 1923.

170,810. BIRD FOOD. C. C. MORSE AND CO., San Francisco, Calif.
Filed November 13, 1922. Serial No. 171,943. PUBLISHED MARCH 20, 1923.

170,811. SELF RISING WHEAT FLOUR. S. R. YANTIS MILLING CO., Fulton, Mo.
Filed September 2, 1922. Serial No. 169,042. PUBLISHED MARCH 20, 1923.

170,812. WHEAT FLOUR. J. S. BLACK, Kansas City, Mo.
Filed September 5, 1922. Serial No. 169,048. PUBLISHED MARCH 27, 1923.

170,813. STOCK, DAIRY, POULTRY, CATTLE, AND HOG FEED AND WHEAT FLOUR. WHYTE COMMISSION COMPANY, Pine Bluff, Ark.
Filed September 5, 1922. Serial No. 169,107. PUBLISHED MARCH 27, 1923.

170,814. MIXED GRADE OF MILL FEED. THE MIDLAND FLOUR MILLING CO., Kansas City, Mo.
Filed September 12, 1922. Serial No. 169,369. PUBLISHED FEBRUARY 27, 1923.

170,815. ALKALINE SALTS. ABEL-JENSEN LABORATORIES, Chicago, Ill.
Filed November 13, 1922. Serial No. 171,884. PUBLISHED APRIL 24, 1923.

170,816. A SUGAR PRODUCT CONTAINING WATER-SOLUBLE VITAMINES. WARD BAKING COMPANY, New York, N. Y.
Filed October 19, 1922. Serial No. 170,960. PUBLISHED MARCH 13, 1923.

170,817. PHONOGRAPH ACCESSORIES. FRANK R. WITMAN, doing business as Frank R. Witman Phonograph Supply Company, Putnam, Conn.
Filed October 19, 1922. Serial No. 170,964. PUBLISHED APRIL 24, 1923.

170,818. INSECTICIDES, DISINFECTANTS, AND DEODORIZERS. THE KILZOL PRODUCTS COMPANY, New York, N. Y.
Filed October 27, 1922. Serial No. 171,274. PUBLISHED APRIL 24, 1923.

170,819. TONIC FOR THE NERVOUS SYSTEM. EDNA G. TWOMBLY, administratrix of the estate of the late Doctor James Twombly, Stoughton, Mass.
Filed October 28, 1922. Serial No. 171,341. PUBLISHED APRIL 24, 1923.

170,820. HATS FOR MEN, WOMEN, AND CHILDREN. KNOX HAT COMPANY, INC., New York, N. Y.
Filed November 10, 1922. Serial No. 171,806. PUBLISHED APRIL 24, 1923.

170,821. GENERATORS FOR PRODUCING GAS, GAS CARTRIDGES AND PARTS THEREOF, GAS WELDING AND CUTTING TORCHES, COMPOUND AND INGREDIENTS FOR PRODUCING OXYACETYLENE GAS, GAS COOKING STOVES. THERMALENE GAS CORPORATION, Kankakee, Ill.
Filed November 10, 1922. Serial No. 171,823. PUBLISHED APRIL 24, 1923.

170,822. SWISS CHEESE. ALPINA CHEESE CO., Burgdorf, Switzerland.
Filed September 30, 1922. Serial No. 170,113. PUBLISHED MARCH 20, 1923.

170,823. CANNED SAUERKRAUT. CASTLE COMPANY, Lyons, N. Y.
Filed October 4, 1922. Serial No. 170,273. PUBLISHED MAY 8, 1923.

170,824. CHOCOLATES AND CANDIES. E. GREENFIELD'S SONS, New York and Brooklyn, N. Y.
Filed October 6, 1922. Serial No. 170,380. PUBLISHED APRIL 24, 1923.

170,825. COMBINED PUMP AND FAN ATTACHMENT FOR AUTOMOBILES. S & G MANUFACTURING COMPANY, Stockton, Calif.
Filed October 9, 1922. Serial No. 170,508. PUBLISHED APRIL 24, 1923.

170,826. BRASSIÈRES. BENJAMIN & JOHNES, Newark, N. J.
Filed October 18, 1922. Serial No. 170,861. PUBLISHED APRIL 24, 1923.

170,827. CHEESE. F. X. BAUMERT & CO. INC., New York, N. Y.
Filed September 21, 1922. Serial No. 169,746. PUBLISHED FEBRUARY 27, 1923.

170,828. CHEESE AND MINCEMEAT. C. PERCEVAL, New York, N. Y.
Filed September 22, 1922. Serial No. 169,820. PUBLISHED FEBRUARY 27, 1923.

170,829. FLAKE LYE. NIAGARA ALKALI COMPANY, Niagara Falls, N. Y.
Filed September 25, 1922. Serial No. 169,918. PUBLISHED APRIL 24, 1923.

170,830. A CERTAIN NAMED MEDICINAL PREPARATION. JOHN RAALMANN, San Francisco, Calif.
Filed September 27, 1922. Serial No. 169,996. PUBLISHED APRIL 24, 1923.

170,831. CANNED FRUITS AND CANNED VEGETABLES. GRIFFITH-DURNEY CO., San Francisco, Calif.
Filed September 28, 1922. Serial No. 170,016. PUBLISHED MAY 8, 1923.

170,832. CORN FLAKES. FAVORITE CEREALS COMPANY, Minneapolis, Minn.
Filed September 29, 1922. Serial No. 170,068. PUBLISHED FEBRUARY 27, 1923.

170,833. WHEAT FLOUR. PFEFFER MILLING COMPANY, Lebanon, Ill.
Filed September 29, 1922. Serial No. 170,080. PUBLISHED FEBRUARY 27, 1923.

170,834. SWISS CHEESE. ALPINA CHEESE CO., Burgdorf, Switzerland.
Filed September 30, 1922. Serial No. 170,110. PUBLISHED MARCH 20, 1923.

170,835. HEN FOOD, EGG MASH, CHICK FOOD, AND CHICK MASH. BOWMAN BROS. SEED CO., Concordia, Kans.
Filed April 20, 1922. Serial No. 162,658. PUBLISHED MARCH 20, 1923.

170,836. FRENCH PASTRY, MACAROONS, AND CAKES COVERED WITH ICING, CHOCOLATE, AND CONTAINING WHIPPED CREAM. VICTORIA PASTRY CO., San Francisco, Calif.
Filed January 3, 1922. Serial No. 157,457. PUBLISHED MARCH 27, 1923.

170,837. BREAD AND DOUGHNUTS. AUGUST J. BECKER, doing business as Becker's Bakery, Red Wing, Minn.
Filed March 22, 1922. Serial No. 161,022. PUBLISHED MARCH 27, 1923.

170,838. BREAD. THE OLD HOMESTEAD BREAD COMPANY, Denver, Colo.
Filed February 28, 1922. Serial No. 159,978. PUBLISHED APRIL 3, 1923.

170,839. WHEAT FLOUR. HANSON MILLING COMPANY, Ashland, Wis.
Filed April 7, 1922. Serial No. 161,881. PUBLISHED APRIL 3, 1923.

170,840. CANDY. U. R. S. CANDY STORES, INC., also doing business as United Happiness Candy Stores, Long Island City, N. Y.
Filed March 22, 1922. Serial No. 161,072. PUBLISHED DECEMBER 26, 1922.

170,841. WHEAT FLOUR. THE LARABEE FLOUR MILLS CORPORATION, Hutchinson, Kans., and Kansas City, Mo.
Filed April 17, 1922. Serial No. 162,426. PUBLISHED MARCH 20, 1923.

170,842. WHEAT FLOUR. THE RUGBY MILLING COMPANY, Rugby, N. Dak.
Filed April 10, 1922. Serial No. 162,055. PUBLISHED MARCH 20, 1923.

170,843. BIRDS' FOOD. JAMES BUTLER GROCERY COMPANY, New York, N. Y.
Filed May 6, 1922. Serial No. 163,430. PUBLISHED APRIL 3, 1923.

170,844. WHEAT FLOUR. THE COLORADO MILLING & ELEVATOR CO., Denver, also doing business as The Ft. Collins Flour Mills, Fort Collins, Colo.
Filed May 3, 1922. Serial No. 163,258. PUBLISHED MARCH 27, 1923.

170,845. WHEAT FLOUR, CORN MEAL, AND GRAHAM FLOUR. BOONVILLE MILLS COMPANY, Boonville, Mo.
Filed April 26, 1922. Serial No. 162,912. PUBLISHED MARCH 20, 1923.

170,846. ICE CREAM. CITY DAIRY AND ICE CREAM CO., St. Joseph, Mo.
Filed June 9, 1922. Serial No. 165,229. PUBLISHED MARCH 20, 1923.

170,847. MISCELLANEOUS GROCERIES. THE HIGGINS-BABCOCK-HURD COMPANY, Cleveland, Ohio.
Filed June 7, 1922. Serial No. 165,134. PUBLISHED MARCH 27, 1923.

170,848. MISCELLANEOUS GROCERIES. CALADERO PRODUCTS COMPANY, Atascadero, Calif.
Filed May 31, 1922. Serial No. 164,695. PUBLISHED MARCH 27, 1923.

170,849. WHEAT FLOUR MADE FROM CEREALS. JOHN W. RUSSELL, Bryan, Ohio.
Filed May 19, 1922. Serial No. 164,116. PUBLISHED MARCH 20, 1923.

170,850. CHEESE. ANNA HUSS, Menlo Park, Calif.
Filed May 15, 1922. Serial No. 163,873. PUBLISHED MARCH 20, 1923.

170,851. DAIRY FEED. AMERICAN MILLING COMPANY, Peoria, Ill.
Filed May 15, 1922. Serial No. 163,848. PUBLISHED APRIL 3, 1923.

170,852. DAIRY PRODUCTS—NAMELY, BUTTER, EVAPORATED MILK, MAYONNAISE, OLEOMARGARINE, CHEESE, PEANUT BUTTER, LARD, EGGS. THE F. A. HOFFMAN CO., Cleveland, Ohio.
Filed May 13, 1922. Serial No. 163,798. PUBLISHED MARCH 27, 1923.

170,853. CORN FLAKES. POSTUM CEREAL COMPANY, INCORPORATED, Battle Creek, Mich.
Filed May 12, 1922. Serial No. 163,763. PUBLISHED FEBRUARY 13, 1923.

170,854. FOODS FOR CATTLE, HORSES, SHEEP, PIGS, AND POULTRY. THE ALGIN COMPANY, LIMITED, Penzance, England.
Filed May 11, 1922. Serial No. 163,661. PUBLISHED MARCH 20, 1923.

170,855. POULTRY FEEDS. THE H-O CEREAL COMPANY, INC., Buffalo, N. Y.
Filed September 1, 1922. Serial No. 168,968. PUBLISHED MARCH 20, 1923.

170,856. CHEESE. THE MACLEAY ESTATE CO., Portland, Oreg.
Filed August 28, 1922. Serial No. 168,772. PUBLISHED MARCH 20, 1923.

170,857. WHEAT FLOUR. SANDS, TAYLOR & WOOD CO., Boston, Mass.
Filed August 21, 1922. Serial No. 168,556. PUBLISHED MARCH 20, 1923.

170,858. WHEAT FLOUR. SANDS, TAYLOR & WOOD CO., Boston, Mass.
Filed August 21, 1922. Serial No. 168,555. PUBLISHED MARCH 20, 1923.

170,859. COFFEE, TEA, SPICES, AND FLAVORING EXTRACTS FOR FOODS. OLSON COFFEE CO., Omaha, Nebr.
Filed August 21, 1922. Serial No. 168,546. PUBLISHED APRIL 17, 1923.

170,860. PREPARED NUT FOOD. THE BATTLE CREEK FOOD COMPANY, Battle Creek, Mich.
Filed August 21, 1922. Serial No. 168,509. PUBLISHED MARCH 27, 1923.

170,861. FROZEN FRUITS AND ICE CREAM. WILLIAM A. DAVIS, doing business as Wm. A. Davis Co., Temple, Tex.
Filed August 3, 1922. Serial No. 167,767. PUBLISHED APRIL 24, 1923.

170,862. CHEESE. HOLLAND FOOD CORPORATION, New York, N. Y.
Filed July 31, 1922. Serial No. 167,617. PUBLISHED MARCH 20, 1923.

170,863. WHEAT FLOUR. NOBLESVILLE MILLING CO., Noblesville, Ind.
Filed July 28, 1922. Serial No. 167,531. PUBLISHED MARCH 20, 1923.

170,864. BREAKFAST CEREAL. HENRY F. PAETSCH, Pasadena, Calif.
Filed July 27, 1922. Serial No. 167,486. PUBLISHED MARCH 20, 1923.

170,865. HARD-WHEAT FLOUR, SOFT-WHEAT FLOUR, AND SELF-RISING FLOUR. UNITED STATES FLOUR MILLS COMPANY, New Orleans, La.
Filed July 26, 1922. Serial No. 167,437. PUBLISHED MARCH 20, 1923.

170,866. HARD-WHEAT FLOUR, SOFT-WHEAT FLOUR, AND SELF-RISING FLOUR. UNITED STATES FLOUR MILLS COMPANY, New Orleans, La.
Filed July 26, 1922. Serial No. 167,436. PUBLISHED MARCH 20, 1923.

170,867. BRAN BISCUITS. SPONGETTE PURE FOOD COMPANY, Wilmington, Del., and Pittsburgh, Pa.
Filed July 14, 1922. Serial No. 166,909. PUBLISHED MARCH 27, 1923.

170,868. FROZEN CONFECTIONS. ELITE CONFECTIONERY CO., El Paso, Tex.
Filed July 10, 1922. Serial No. 166,664. PUBLISHED JANUARY 16, 1923.

170,869. FROZEN CONFECTIONS. ELITE CONFECTIONERY CO., El Paso, Tex.
Filed July 10, 1922. Serial No. 166,663. PUBLISHED JANUARY 23, 1923.

170,870. STOCK AND POULTRY FEED. MILLER-MCCONNEL GRAIN CO., Kansas City, Kans.
Filed July 3, 1922. Serial No. 166,465. PUBLISHED MARCH 20, 1923.

170,871. BUTTER, EGGS, CHEESE, LARD, MAPLE SUGAR, MAPLE SIRUP, PEANUT BUTTER. VERMONT CREAMERY, INCORPORATED, Pawtucket, R. I.
Filed June 22, 1922. Serial No. 165,903. PUBLISHED MARCH 27, 1923.

170,872. OLIVE OIL. MAILLIARD & SCHMIEDELL, San Francisco, Calif.
Filed June 21, 1922. Serial No. 165,801. PUBLISHED APRIL 24, 1923.

170,873. PRETZELS. THOMAS A. MYERS, doing business as Ye Olde Tyme Hard and Soft Pretzel Shop, York, Pa.
Filed June 14, 1922. Serial No. 165,502. PUBLISHED APRIL 3, 1923.

170,874. CLOTHING—NAMELY, LEATHER SHOES. THE MENIHAN COMPANY, Rochester, N. Y.
Filed February 2, 1922. Serial No. 158,787. PUBLISHED APRIL 24, 1923.

170,875. LEATHER SHOES. JOHN MEIER SHOE COMPANY, St. Louis, Mo.
Filed February 1, 1922. Serial No. 158,722. PUBLISHED APRIL 24, 1923.

170,876. BREAKFAST CEREALS. FRED. C. GILLITT, doing business as C-O-D Cereal Co., St. Paul, Minn.
Filed January 23, 1922. Serial No. 158,369. PUBLISHED MARCH 20, 1923.

170,877. CEREAL BREAKFAST FOODS. SIX IN ONE CEREAL CO., Hinckley, Ill.
Filed January 13, 1922. Serial No. 157,903. PUBLISHED MARCH 20, 1923.

170,878. COTTON PILE CLOTH IN THE PIECE. JOHN S. BOYD COMPANY INC., Williamstown, Mass.
Filed January 12, 1922. Serial No. 157,827. PUBLISHED MAY 1, 1923.

170,879. SHEET PAPER FOR PRINTING AND WRITING. THE TRIBUNE COMPANY, Chicago, Ill.
Filed January 6, 1922. Serial No. 157,592. PUBLISHED JULY 18, 1922.

170,880. WOMEN'S OUTER CLOTHING COMPRISING SHIRTS, TROUSERS, AND JACKETS. MANNING PHILLIPS, doing business as I. & M. Phillips, New York, N. Y.
Filed January 6, 1922. Serial No. 157,581. PUBLISHED APRIL 24, 1923.

170,881. PAINTS, VARNISHES, AND ENAMELS. HILL-HUBBELL AND COMPANY, San Francisco, Calif.
Filed January 3, 1922. Serial No. 157,426. PUBLISHED MARCH 20, 1923.

170,882. WHEAT FLOUR—NAMELY, SELF-RISING FLOUR. BALLARD & BALLARD COMPANY, Louisville, Ky.
Filed December 30, 1921. Serial No. 157,295. PUBLISHED MARCH 20, 1923.

170,883. WHEAT FLOUR—NAMELY, SELF-RISING FLOUR. BALLARD & BALLARD COMPANY, Louisville, Ky.
Filed February 9, 1922. Serial No. 159,080. PUBLISHED MARCH 20, 1923.

170,884. WHEAT FLOUR—NAMELY, A PREPARED FLOUR CONTAINING WHEAT FLOUR, BRAN, SUGAR, AND SALT. BALLARD & BALLARD COMPANY, Louisville, Ky.
Filed February 9, 1922. Serial No. 159,079. PUBLISHED MARCH 20, 1923.

170,885. CLOTHING—NAMELY, LEATHER SHOES. THE MENIHAN COMPANY, Rochester, N. Y.
Filed February 2, 1922. Serial No. 158,788. PUBLISHED APRIL 24, 1923.

170,886. COFFEE. J. S. ELLIOTT COFFEE COMPANY, Newville, Pa.
Filed February 24, 1922. Serial No. 159,746. PUBLISHED MAY 8, 1923.

170,887. TOOTHBRUSH STERILIZERS. WILLIAM E. BARNARD, doing business as Web Sterilizer Co., New York, N. Y.
Filed March 16, 1922. Serial No. 160,747. PUBLISHED APRIL 24, 1923.

170,888. WHEAT FLOUR. THOMPSON MILLING CO., Lockport, N. Y.
Filed March 15, 1922. Serial No. 160,727. PUBLISHED MARCH 20, 1923.

170,889. STOCK FOOD. CARMI WINSLOW, doing business as Mutual Products Company, Minneapolis, Minn.
Filed March 8, 1922. Serial No. 160,376. PUBLISHED MARCH 20, 1923.

170,890. VEILS. GOTTSCHALK STEINBERG & CO. INC., New York, N. Y.
Filed March 7, 1922. Serial No. 160,286. PUBLISHED SEPTEMBER 5, 1922.

170,891. SELF-RISING FLOUR. THE SAUERS MILLING COMPANY, Evansville, Ill.
Filed March 4, 1922. Serial No. 160,210. PUBLISHED MARCH 20, 1923.

170,892. PAPER GARMENT BAGS. THE RIKE FOLDING BOX COMPANY, Dayton, Ohio.
Filed February 27, 1922. Serial No. 159,882. PUBLISHED APRIL 24, 1923.

170,893. CANTALOUPES. DAWSON-EDWARDS COMPANY, Rocky Ford, Colo.
Filed March 18, 1922. Serial No. 160,876. PUBLISHED APRIL 24, 1923.

170,894. CAKES. WARD BAKING COMPANY, New York, N. Y.
Filed October 31, 1922. Serial No. 171,437. PUBLISHED MARCH 13, 1923.

170,895. BREAD. WARD BAKING COMPANY, New York, N. Y.
Filed October 31, 1922. Serial No. 171,435. PUBLISHED MARCH 13, 1923.

170,896. CAKES. CUSHMAN'S SONS, INC., New York, N. Y.
Filed October 31, 1922. Serial No. 171,415. PUBLISHED MARCH 13, 1923.

170,897. BUTTER. THE MOORESVILLE CO-OPERATIVE CREAMERY CO., INC., Mooresville, N. C.
Filed October 27, 1922. Serial No. 171,280. PUBLISHED MARCH 13, 1923.

170,898. A TONIC AND FOOD FOR FEATHERED PETS. WILLIAM HOFFMANN, Chicago, Ill.
Filed October 26, 1922. Serial No. 171,217. PUBLISHED MARCH 13, 1923.

170,899. CAKE MIX, A COMPOUND TO BE USED IN THE MAKING OF CAKES. HIRSCH BROTHERS CO., Chicago, Ill.
Filed October 23, 1922. Serial No. 171,081. PUBLISHED MARCH 13, 1923.

170,900. A SUGAR PRODUCT CONTAINING WATER-SOLUBLE VITAMINES USED IN THE MANUFACTURE OF BREAD, CAKE, ETC. WARD BAKING COMPANY, New York, N. Y.
Filed October 19, 1922. Serial No. 170,961. PUBLISHED MARCH 13, 1923.

170,901. SUGAR. A. E. STALEY MANUFACTURING COMPANY, Decatur, Ill.
Filed October 16, 1922. Serial No. 170,798. PUBLISHED MARCH 13, 1923.

170,902. SUGAR. A. E. STALEY MANUFACTURING COMPANY, Decatur, Ill.
Filed October 16, 1922. Serial No. 170,797. PUBLISHED MARCH 13, 1923.

170,903. SUGAR. A. E. STALEY MANUFACTURING COMPANY, Decatur, Ill.
Filed October 16, 1922. Serial No. 170,796. PUBLISHED MARCH 13, 1923.

170,904. HORSE AND MULE FEED. NOWAK MILLING CORPORATION, Hammond, Ind., and Buffalo, N. Y.
Filed October 16, 1922. Serial No. 170,780. PUBLISHED MARCH 13, 1923.

170,905. WHEAT FLOUR. MORROW MILLING COMPANY, Carthage, Mo.
Filed December 19, 1921. Serial No. 156,914. PUBLISHED MARCH 27, 1923.

170,906. CRACKERS. ELIAS J. ADLER, Brooklyn, N. Y.
Filed December 7, 1921. Serial No. 156,345. PUBLISHED MARCH 27, 1923.

170,907. CANE AND MAPLE-SUGAR SIRUP. NEW ENGLAND BREWING COMPANY, doing business as Haffenreffer & Co., Jersey City, N. J., and Boston, Mass.
Filed November 22, 1921. Serial No. 155,768. PUBLISHED JUNE 6, 1922.

170,908. ARTIFICIAL-SILK THREADS AND YARNS. FABRIQUE DE SOIE ARTIFICIELLE DE TUBIZE, SOCIÉTÉ ANONYME, Brussels, Belgium.
Filed October 21, 1921. Serial No. 154,406. PUBLISHED FEBRUARY 20, 1923.

170,909. POWDERED MILK AND A POWDER CONTAINING COCOA, SUGAR, AND SKIMMED MILK. EMPIRE FOOD PRODUCTS COMPANY, New York, N. Y.
Filed August 4, 1921. Serial No. 151,358. PUBLISHED APRIL 3, 1923.

170,910. CANNED FRUITS, CANNED VEGETABLES, OLIVES, AND OLIVE OIL. CALIFORNIA GROWERS ASSOCIATION, INC., Los Angeles, Calif.
Filed June 3, 1921. Serial No. 148,579. PUBLISHED NOVEMBER 29, 1921.

170,911. BUTTER, DRIED BEANS, BREAD, BUTTERMILK, CEREAL BREAKFAST FOODS, COFFEE, COCOA, CANDY, AND OTHER FOOD PRODUCTS. H. P. HOOD & SONS, INC., Boston, Mass.
Filed April 15, 1921. Serial No. 146,216. PUBLISHED APRIL 3, 1923.

170,912. COOKING SEEDS, POWDERS, AND OILS; COCOA BUTTER, CUTTLEFISH BONE, EXTRACTS, RICE FLOUR, AND CANDY. THE SUN DRUG COMPANY, Los Angeles, Calif.
Filed November 13, 1920. Serial No. 139,632. PUBLISHED APRIL 3, 1923.

170,913. MAYONNAISE DRESSING. C. WILKENS COMPANY, New York, N. Y.
Filed October 12, 1920. Serial No. 138,247. PUBLISHED DECEMBER 12, 1922.

170,914. ICE CREAM, CONFECTIONERY, AND BAKERY PRODUCTS. MCKAY-MANNING, INCORPORATED, New York, N. Y.
Filed July 12, 1922. Serial No. 166,783. PUBLISHED MARCH 20, 1923.

170,915. STORAGE BATTERIES AND PARTS THEREOF. WILLARD STORAGE BATTERY COMPANY, Cleveland, Ohio.
Filed July 11, 1922. Serial No. 166,757. PUBLISHED APRIL 24, 1923.

170,916. WHEAT FLOUR. LOUISVILLE MILLING COMPANY, Louisville, Ky.
Filed July 10, 1922. Serial No. 166,695. PUBLISHED MARCH 20, 1923.

170,917. FRESH FRUIT—NAMELY, APPLES. ELK MOUNTAIN ORCHARD CO., Asheville, N. C.
Filed July 1, 1922. Serial No. 166,356. PUBLISHED APRIL 24, 1923.

170,918. WAFERS AND CRACKERS. CENTURY BISCUIT CO., Indianapolis, Ind.
Filed July 1, 1922. Serial No. 166,350. PUBLISHED MARCH 20, 1923.

170,919. LIQUID MEDICINE FOR INDIGESTION, VERTIGO, ACID STOMACH, AND CONSTIPATION. THOMAS R. DEAVY, doing business as Vesper Pharmacal Co., Tacony, Philadelphia, Pa.
Filed June 22, 1922. Serial No. 165,855. PUBLISHED APRIL 24, 1923.

170,920. EMULSION PETROLEUM USED IN THROAT, LUNG TROUBLE, BRONCHITIS, BRONCHIAL CATARRH, AND AS A LAXATIVE. ORCHARD DRUG CO., Lynchburg, Va.
Filed June 21, 1922. Serial No. 165,808. PUBLISHED APRIL 24, 1923.

170,921. EMULSION PETROLEUM USED IN THROAT, LUNG TROUBLE, BRONCHITIS, BRONCHIAL CATARRH, AND AS A LAXATIVE. ORCHARD DRUG CO., Lynchburg, Va.
Filed June 21, 1922. Serial No. 165,807. PUBLISHED APRIL 24, 1923.

170,922. OLIVE OIL. MAILLIARD & SCHMIEDELL, San Francisco, Calif.
Filed June 21, 1922. Serial No. 165,802. PUBLISHED APRIL 24, 1923.

170,923. REGISTERS FOR HEATING PURPOSES. ROCK ISLAND REGISTER COMPANY, Rock Island, Ill.
Filed June 7, 1922. Serial No. 165,157. PUBLISHED APRIL 24, 1923.

170,924. FRESH VEGETABLES—NAMELY, LETTUCE, CUCUMBERS, GREEN CORN, AND SPINACH. MEYER BROS., Dalcour, La.
Filed May 23, 1922. Serial No. 164,334. PUBLISHED APRIL 24, 1923.

170,925. EGGS AND LIVE POULTRY. EDGAR R. WELLS, Prosser, Wash.
Filed May 9, 1922. Serial No. 163,607. PUBLISHED MARCH 20, 1923.

170,926. BUTTER, CHEESE, EGGS, AND SAUSAGE. SWIFT AND COMPANY, Chicago, Ill.
Filed May 1, 1922. Serial No. 163,186. PUBLISHED MARCH 20, 1923.

170,927. CLAY AND PASTE FOR THE COMPLEXION. SIMON MARKMAN, New York, N. Y.
Filed April 26, 1922. Serial No. 162,941. PUBLISHED APRIL 24, 1923.

170,928. BUNGS. THE UNITED STATES BUNG MFG. CO., New York and Brooklyn, N. Y., and Cincinnati, Ohio.
Filed April 25, 1922. Serial No. 162,909. PUBLISHED APRIL 24, 1923.

170,929. BACON. BEECH-NUT PACKING COMPANY, Canajoharie, N. Y.
Filed April 24, 1922. Serial No. 162,798. PUBLISHED APRIL 24, 1923.

170,930. COMPOSITION FOR THE REMOVAL OF PAINT, VARNISH, AND THE LIKE. P. R. K. CHEMICAL CO. INC., Frankfort, Ind.
Filed April 22, 1922. Serial No. 162,765. PUBLISHED OCTOBER 31, 1922.

170,931. WHEAT FLOUR. THE LARABEE FLOUR MILLS CORPORATION, Hutchinson, Kans., and Kansas City, Mo.
Filed April 17, 1922. Serial No. 162,428. PUBLISHED MARCH 20, 1923.

170,932. WHEAT FLOUR. THE LARABEE FLOUR MILLS CORPORATION, Hutchinson, Kans., and Kansas City, Mo.
Filed April 17, 1922. Serial No. 162,427. PUBLISHED MARCH 20, 1923.

170,933. EGGS. WHITE ARROW FARMS, Cheraw, S. C.
Filed March 28, 1922. Serial No. 161,398. PUBLISHED MARCH 27, 1923.

170,934. BREAD. THE BIXLER BAKING COMPANY, Youngstown, Ohio.
Filed September 18, 1922. Serial No. 169,615. PUBLISHED FEBRUARY 27, 1923.

170,935. WHEAT FLOUR. MODERN FLOUR MILLS, Macon, Ga.
Filed September 18, 1922. Serial No. 169,601. PUBLISHED FEBRUARY 27, 1923.

170,936. WHEAT FLOUR. ACCAS BROTHERS, New York, N. Y.
Filed September 15, 1922. Serial No. 169,470. PUBLISHED FEBRUARY 27, 1923.

170,937. JEWELRY. LOUIS REUBENSTONE, New York, N. Y., assignor to Herbert Nalty, trading as Gourdel Vales & Co., London, England.
Filed September 13, 1922. Serial No. 169,423. PUBLISHED APRIL 24, 1923.

170,938. BREAD. WARD BAKING COMPANY, New York, N. Y.
Filed September 12, 1922. Serial No. 169,385. PUBLISHED FEBRUARY 27, 1923.

170,939. STOCK, DAIRY, AND POULTRY FEED. WHYTE COMMISSION COMPANY, Pine Bluff, Ark.
Filed September 5, 1922. Serial No. 169,110. PUBLISHED MARCH 20, 1923.

170,940. SHOES. HURLEY SHOE CO., Rockland, Mass.
Filed August 29, 1922. Serial No. 168,844. PUBLISHED APRIL 24, 1923.

170,941. CERTAIN NAMED MOTION-PICTURE APPARATUS. ARTHUR PRICE, New York, N. Y.
Filed August 25, 1922. Serial No. 168,691. PUBLISHED APRIL 24, 1923.

170,942. STOCK AND POULTRY FEED. OMAHA ALFALFA MILLING COMPANY, Omaha, Nebr.
Filed August 18, 1922. Serial No. 168,429. PUBLISHED MARCH 20, 1923.

170,943. CANNED FRUITS. GEO. E. HYDE & CO. INC., Campbell, Calif.
Filed August 18, 1922. Serial No. 168,413. PUBLISHED APRIL 24, 1923.

170,944. VARNISH. MILWAUKEE PAINT & VARNISH WORKS, Milwaukee, Wis.
Filed August 16, 1922. Serial No. 168,328. PUBLISHED APRIL 24, 1923.

170,945. FLAVORING EXTRACTS FOR FOOD OF ALL KINDS. CLYDE C. FOSTER, doing business as The Nuway Company, Decatur, Ill.
Filed August 10, 1922. Serial No. 168,027. PUBLISHED MARCH 20, 1923.

170,946. CORSETS, BRASSIÈRES, CORSET COVERS, WAISTS, AND UNDERWEAR OF TEXTILE FABRIC FOR WOMEN. KOPS BROS., New York, N. Y.
Filed August 9, 1922. Serial No. 167,987. PUBLISHED APRIL 24, 1923.

170,947. PIES. JOSEPH KALT, JR., Milwaukee, Wis.
Filed August 7, 1922. Serial No. 167,918. PUBLISHED MARCH 20, 1923.

170,948. FACE POWDER IN PASTE FORM. LOTTA B. RIDLEY, Louisville, Ky.
Filed July 24, 1922. Serial No. 167,327. PUBLISHED APRIL 24, 1923.

170,949. WHEAT FLOUR. FRANK C. WILLIAMS, INC., doing business as Frank C. Williams, Easton, Pa.
Filed July 22, 1922. Serial No. 167,277. PUBLISHED APRIL 3, 1923.

170,950. WATERMELONS IN THEIR NATURAL STATE. TEXAS FARM BUREAU MELON GROWERS' EXCHANGE, Dallas, Tex.
Filed July 20, 1922. Serial No. 167,152. PUBLISHED APRIL 24, 1923.

170,951. BREAD. WARNERS WHOLE WHEAT BREAD INC., New York, N. Y.
Filed July 13, 1922. Serial No. 166,863. PUBLISHED FEBRUARY 20, 1923.

170,952. PRINTED SHIRTINGS AND PRINTED PERCALES. EVERETT, HEANEY & CO. INC., New York, N. Y.
Filed July 13, 1922. Serial No. 166,823. PUBLISHED APRIL 24, 1923.

170,953. PRINTED SHIRTINGS AND PRINTED PERCALES. EVERETT, HEANEY & CO. INC., New York, N. Y.
Filed July 13, 1922. Serial No. 166,820. PUBLISHED APRIL 24, 1923.

[ACT OF MARCH 19, 1920, SEC. 1 (b)].

THESE REGISTRATIONS ARE NOT SUBJECT TO OPPOSITION.

170,954. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) LABORATOIRE NATIVELLE, Paris, France. Filed Aug. 2, 1921. Serial No. 151,282.

LABORATOIRE NATIVELLE

Particular description of goods.—Medicines for the Treatment of Affections of the Heart.
Claims use since Mar. 4, 1921.

170,955. (CLASS 21. ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES.) CONDIT ELECTRICAL MANUFACTURING COMPANY, Boston, Mass. Filed Nov. 17, 1921. Serial No. 155,483.

CONDIT

Particular description of goods.—Air Circuit Breakers: Artificially Cooled, Automatic, Electrically Operated, Gravity Operated, Manually Operated, Pneumatically Operated, Parts Thereof; Air Switches: Control, Disconnecting, Gravity Operated, Industrial, Pneumatically Operated, Push Button, Safety, Shunt Trip, Undervoltage, Parts Thereof; Attachments for Switches: Auxiliary Switches, Reverse Current, Reverse Power, Shunt Trip, Solenoids, Time Limit, Undervoltage, Parts Thereof; Coils: Transformer, Relay; Contactors: Magnetic, Remote Control, Parts Thereof; Fuse Bases; Magnets: Switch Closing, Switch Opening; Oil Circuit Breakers: Artificially Cooled, Automatic, Electrically Operated, Gravity Operated, Manually Operated, Motor Starting, Pneumatically Operated, Remote Control, Series Trip, Solenoid Operated, Transformer Trip, Parts Thereof; Oil Switches: Electrically Operated, Fused, Gravity Operated, Industrial, Manhole, Manually Operated, Motor Starting, Nonautomatic, Pneumatic Operated, Pole Line, Remote Control, Service, Undervoltage, Water Cooled, Parts Thereof; Relays: Air, Automatic Reclosing, Compensator, Control, Definite, Direct Current, Inverse, Inverse Definite, Instantaneous, Lockout, Motor Operated, Oil, Overload, Phase Failure, Protective, Reverse Current, Reverse Power, Solenoid Operated, Thermal, Time Limit, Trip Free, Undervoltage, Parts Thereof; Switchboards and Panels: Control, Light, Motor Starting, Power, Synchronous Motor, Wireless, Parts Thereof; Transformers: Air Cooled, Bushing, Current, Instrument, Oil Cooled, Potential, Power, Tripping, Parts Thereof.
Claims use since August, 1904.

170,956. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) BEATRICE CREAMERY COMPANY, Chicago, Ill., and Topeka, Kans. Filed Oct. 17, 1921. Serial No. 154,176.

QUEEN CITY

Particular description of goods.—Butter.
Claims use since January, 1903.

170,957. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) HARLFINGER BAKING CO., Albany, N. Y. Filed Dec. 29, 1921. Serial No. 157,272.

HARLFINGER'S
DE-LISH-US
BREAD

Horizontal lines on the blocks on the drawing represent the color blue, and the vertical lines represent the color red.
Particular description of goods.—Bread.
Claims use since 1909.

170,958. (CLASS 21. ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES.) EDWARD REESE, doing business as Standard Crystal Company, Newark, N. J. Filed Apr. 23, 1923. Serial No. 179,556.

STANDARD SPECIAL

Particular description of goods.—Radio Detector Crystals Used in Wireless Receiving Sets.
Claims use since on or about Apr. 15, 1922.

170,959. (CLASS 36. MUSICAL INSTRUMENTS AND SUPPLIES.) WELLSMORE & CO., INC., New York, N. Y. Filed Apr. 24, 1923. Serial No. 179,634.

Wellsmore & Co.

Particular description of goods.—Pianofortes, Grand and Upright Pianos, Grand and Upright Player Pianos, and Grand and Upright Electrically-Operated Pianos, and Phonographs.
Claims use since 1908.

170,960. (CLASS 36. MUSICAL INSTRUMENTS AND SUPPLIES.) CABLE-NELSON PIANO COMPANY, Chicago, Ill. Filed Apr. 21, 1923. Serial No. 179,457.

KREUTZER

Particular description of goods.—Pianos and Player Pianos.
Claims use since November, 1905.

170,961. (CLASS 28. JEWELRY AND PRECIOUS-METAL WARE.) CAPE COD UNITED PRODUCTS CO., INC., Hyannis, Mass. Filed Feb. 16, 1923. Serial No. 176,113.

Cape Cod Pearls

Particular description of goods.—Artificial Pearls.
Claims use since Mar. 17, 1921.

170,962. (CLASS 21. ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES.) E. D. HODGE TOOL AND MANUFACTURING COMPANY, Watertown, N. Y. Filed January 18, 1923. Serial No. 174,739.

TWIN
TIMER

Particular description of goods.—Timers for Ford Cars and Tractors.
Claims use for not less than one year in interstate commerce by the applicant.

170,963. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) FILICE & PERRELLI CANNING CO., Gilroy, Calif. Filed Nov. 3, 1922. Serial No. 171,533.

Tre-Ripe

Particular description of goods.—Canned Fruits and Vegetables.
Claims use since June 1, 1922.

170,964. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) ACCAS BROTHERS, New York, N. Y. Filed Sept. 15, 1922. Serial No. 169,469.

THOMAS

Particular description of goods.—Wheat Flour.
Claims use since Mar. 15, 1921.

170,965. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) SEA COAST PACKING CO., Seattle, Wash. Filed Aug. 24, 1922. Serial No. 168,649.

HIGRADE

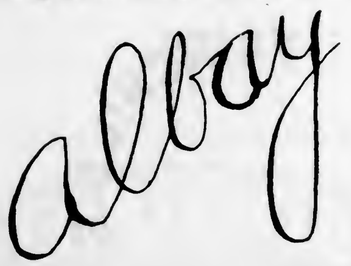
Particular description of goods.—Canned Salmon.
Claims use since May 22, 1922.

170,966. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) HIRZ BROS., Paterson, N. J. Filed Aug. 24, 1922. Serial No. 168,643.

MI-OUN CAKE

Particular description of goods.—Cake.
Claims use since about December, 1920.

170,967. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) THE PARCHED WHEAT CO., Fostoria, Ohio. Filed Aug. 15, 1922. Serial No. 168,277.



Particular description of goods.—Breakfast Cereal.
Claims use since January, 1922.

170,968. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) DINIS VELONES, Indianapolis, Ind. Filed Aug. 8, 1922. Serial No. 167,967.

VELONES

Particular description of goods.—Hair Tonic.
Claims use since about Apr. 20, 1921.

170,969. (CLASS 21. ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES.) DETROIT INSULATED WIRE COMPANY, Detroit, Mich. Filed June 26, 1922. Serial No. 166,047.

TUFRUBR

Particular description of goods.—Insulated Wire.
Claims use since Mar. 1, 1922.

170,970. (CLASS 43. THREAD AND YARNS.) N. ERLANGER, BLUMGART & CO., INC., New York, N. Y. Filed June 8, 1922. Serial No. 165,188.

Everfast

Particular description of goods.—Cotton Yarns.
Claims use since May 25, 1922.

170,971. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) SAN XAVIER FISH PACKING COMPANY, Monterey, Calif. Filed June 6, 1922. Serial No. 165,106.

SAN XAVIER

Particular description of goods.—Dried, Salted, and Canned Fish; Canned Fruits and Vegetables.
Claims use since May 27, 1921.

170,972. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) THE FAIRCHILD MILLING COMPANY, Cleveland, Ohio. Filed May 27, 1922. Serial No. 164,585.

FAIRCHILD'S

Particular description of goods.—Miscellaneous Flours.
Claims use since Jan. 2, 1910.

170,973. (CLASS 29. BROOMS, BRUSHES, AND DUSTERS.) S. GLEMBY'S SONS CO., INC., New York, N. Y. Filed May 24, 1922. Serial No. 164,427.

Lorraine

Particular description of goods.—Powder Puffs.
Claims use since May 5, 1922.

170,974. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) SCHULZE BAKING COMPANY, Chicago, Ill. Filed Apr. 14, 1922. Serial No. 162,320.

A-1

Particular description of goods.—Bread.
Claims use since Feb. 6, 1922.

170,975. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) JOHN BROMLEY & SONS, INCORPORATED, Philadelphia, Pa. Filed Feb. 15, 1922. Serial No. 159,340.

TANGIER

Particular description of goods.—Lace Curtains and Nets or Curtain Lace in Piece Goods.
Claims use since Dec. 1, 1921.

170,976. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) J. S. IVINS' SON, INC., Philadelphia, Pa. Filed Feb. 8, 1922. Serial No. 159,036.

Ivins

Particular description of goods.—Biscuits.
Claims use since 1905.

170,977. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) THE NATIONAL MARKING MACHINE COMPANY, Cincinnati, Ohio. Filed June 24, 1921. Serial No. 149,595.

Puro-Blanco

Particular description of goods.—Potash in Pulverized or Bar Form Which When Added to Soap Increases the Soap's Efficiency for Laundry Use in Washing Fabric, Woolens, Linen, Muslin, Silks, and the Like.
Claims use since June 1, 1921.

170,978. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) NATOMA FARM, York and Hinsdale, Ill. Filed Sept. 3, 1921. Serial No. 152,576.

Baby MILK

Particular description of goods.—Milk.
Claims use since Sept. 2, 1919.

170,979. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) F. ROMEO & CO., INC., New York, N. Y. Filed Jan. 28, 1922. Serial No. 158,581.

MARIETTA

Particular description of goods.—Olive Oil.
Claims use since Aug. 19, 1921.

170,980. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) HOFSTRA MANUFACTURING COMPANY, Tulsa, Okla. Filed Mar. 8, 1922. Serial No. 160,344.

"HOFSTRA, THE NATIONAL INSECTICIDE"

Particular description of goods.—Insecticides.
Claims use since on or about Jan. 1, 1916.

170,981. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) LUDLOW MANUFACTURING ASSOCIATES, Boston, Mass. Filed June 7, 1922. Serial No. 165,143.

GINNERS

Trade-mark "Ginners."
Particular description of goods.—Jute Bagging.
Claims use since Mar. 8, 1922.

170,982. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) ELLA G. WOOLSEY, Kansas City, Kans. Filed June 19, 1922. Serial No. 165,737.

Atwood's
Ice Cream Company

Particular description of goods.—Ice Cream.
Claims use since May 1, 1914.

170,983. (CLASS 29. BROOMS, BRUSHES, AND DUSTERS.) JACOB MEERSE, doing business as Union Brush Co., Cincinnati, Ohio. Filed Aug. 28, 1922. Serial No. 168,774.

Best Ever

Particular description of goods.—Brushes and Mops.
Claims use since May 1, 1922.

170,984. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATONS.) K. L. M. COMPANY, New York, N. Y. Filed Sept. 29, 1922. Serial No. 170,068.



Particular description of goods.—Diluted Epsom Salts for Use in the Bath.
Claims use since Mar. 1, 1922.

170,985. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) SOCIETE ANONYME PARFUMERIE VIOLET, Paris, France. Filed Oct. 21, 1922. Serial No. 171,043.

ABRICOT

Particular description of goods.—Perfumes, Toilet Waters, Face Powders, Talcum Powders, Sachet Powders, Lotions for the Skin and Hair, Rouge, and Brilliantine.
Claims use since Feb. 1, 1922.

170,986. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) B. HELLER & COMPANY, Chicago, Ill. Filed Oct. 30, 1922. Serial No. 171,362.

$1000.00 GUARANTEED



Particular description of goods.—Body-Vermin Exterminator and Insecticide.
Claims use since December, 1921.

170,987. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) THE BORDEN COMPANY, New York, N. Y. Filed Dec. 1, 1922. Serial No. 172,727.

Borden's NUTTY Karamels

Particular description of goods.—Confectionery—viz, Caramels.
Claims use since Oct. 13, 1921.

170,988. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) SEATTLE MACARONI MFG. CO. INC., Seattle, Wash. Filed Dec. 1, 1922. Serial No. 172,773.

VENEZIA
BRAND

Particular description of goods.—Alimentary Pastes.
Claims use since Nov. 1, 1915.

170,989. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) UMPQUA VALLEY CANNING COMPANY, Roseburg, Oreg. Filed Dec. 4, 1922. Serial No. 172,915.

UMPQUA

Particular description of goods.—Canned and Dried Fruits, Canned Vegetables.
Claims use since May 18, 1922.

170,990. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) D. WEEKS & COMPANY, Des Moines, Iowa. Filed Jan. 23, 1923. Serial No. 174,950.

BREAK-UP-A-COLD

Particular description of goods.—Laxative Cold Tablets.
Claims use since 1898.

170,991. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) GORDON GORDON, Chicago, Ill. Filed Jan. 26, 1923. Serial No. 175,140.

English tint

Particular description of goods.—Rouges and Lip Sticks.
Claims use since July 1, 1919.

170,992. (CLASS 2. RECEPTACLES.) B. HELLER & COMPANY, Chicago, Ill. Filed Feb. 16, 1923. Serial No. 176,123.

Heller's
REG. U.S. PAT. OFF.

Particular description of goods.—Fiber, Wood, and Metal Barrels; Fiber, Wood, and Metal Drums; Pasteboard and Wooden Boxes; Pasteboard, Fiber and Wooden Cases; Paper and Pasteboard Cartons; Paper, Pasteboard, and Tin Packages; and Paper, Pasteboard, Tin, Fiber, Wooden, and Metal Containers.
Claims use since 1894.

170,993. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) WOLF, SAYER & HELLER, INC., Chicago, Ill. Filed Feb. 19, 1923. Serial No. 176,308.

Josef Mayer's Frankfurter und Knackwurst Gewürz

Particular description of goods.—Seasonings for Meat Products.
Claims use since January, 1922.

170,994. (CLASS 4. ABRASIVE, DETERGENT, AND POLISHING MATERIALS.) IOWA SOAP COMPANY, Burlington, Iowa. Filed Apr. 27, 1923. Serial No. 179,795.

Bell's Lemon SOAP



Particular description of goods.—Toilet Soap.
Claims use since April, 1907.

170,995. (CLASS 4. ABRASIVE, DETERGENT, AND POLISHING MATERIALS.) IOWA SOAP COMPANY, Burlington, Iowa. Filed May 5, 1923. Serial No. 180,221.



Particular description of goods.—Toilet Soap.
Claims use since April, 1907.

170,996. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) SOUTHERN OIL & FEED MILLS, INC., Petersburg, Va. Filed Nov. 23, 1922. Serial No. 172,447.

THE 2 in 1 FEED
A MASH AND SCRATCH TOO

Particular description of goods.—Poultry Feed.
Claims use since Jan. 1, 1922.

LABELS

REGISTERED JULY 24, 1923.

26,249.—*Title:* SOCIÉTÉ. For Knitted Cravats. HOLLAND KNITTING CO., Brooklyn, N. Y. Published May 30, 1923.

26,250.—*Title:* COPLEY, THE STORE FOR MEN. A SEPARATE STORE IN A SEPARATE BUILDING. For Men's Overcoats. JORDAN MARSH COMPANY, Boston, Mass. Published January 1, 1923.

26,251.—*Title:* COPLEY, THE STORE FOR MEN. A SEPARATE STORE IN A SEPARATE BUILDING. For Men's Coats. JORDAN MARSH COMPANY, Boston, Mass. Published January 1, 1923.

26,252.—*Title:* KING'S CASTLE. For Wheat Flour. H. H. KING FLOUR MILLS COMPANY, Minneapolis, Minn. Published June 22, 1923.

26,253.—*Title:* KRANK'S LEMON FACIAL PACK. For a Skin Treatment and Beautifier. ALFRED J. KRANK, St. Paul, Minn. Published April 11, 1923.

26,254.—*Title:* PERSPERO. For a Composition of Matter Used for the Toilet. MARCUS W. LEVKOWICZ, doing business as Perspero Company, San Francisco, Calif. Published February 7, 1922.

26,255.—*Title:* CALCUM MAKES PUPPIES GROW STRONG AND HEALTHY. For a Medicinal Preparation for Dogs. R. W. MCROBERTS, Atlanta, Ga. Published May 15, 1923.

26,256.—*Title:* PEPPER SAUCE. For West Indian Pepper Sauce. EBENEZER MURDOCK, doing business under the name of E. Murdock & Co., New York, N. Y. Published May 19, 1923.

26,257.—*Title:* ROWLES RED PEPPER RUB. For Cartons or Boxes Enclosing or Containing the Compound Described Therein. JOHN F. MURRAY, doing business as Whitehall Pharmacal Co., New York, N. Y. Published April 11, 1921.

26,258.—*Title:* REAL SILK GUARANTEED HOSIERY. For Hosiery. REAL SILK HOSIERY MILLS, Indianapolis, Ind. Published December 1, 1922.

26,259.—*Title:* REAL SILK GUARANTEED HOSIERY. For Hosiery. REAL SILK HOSIERY MILLS, Indianapolis, Ind. Published December 1, 1922.

26,260.—*Title:* USE C. W. RÖBB'S VERY BEST PAINTS. For Packages and Barrels of Paint. CHARLES W. ROBB, Salt Lake City, Utah. Published March 1, 1923.

26,261.—*Title:* SANDHILL. For Peaches. SANDHILL FRUIT GROWERS ASSOCIATION, Aberdeen, N. C. Published June 6, 1923.

26,262.—*Title:* ROBIN HOOD. For Bread. SANIWAX PAPER CO., Kalamazoo, Mich. Published June 18, 1923.

26,263.—*Title:* KEWPIE. For Toilet Paper. WORTENDYKE MFG. CO., Richmond, Va. Published June 28, 1921.

PRINTS

REGISTERED JULY 24, 1923.

6,829.—*Title:* VENUS THIN LEADS. For Pencils. AMERICAN LEAD PENCIL CO., New York, N. Y. Published March 31, 1923.

6,830.—*Title:* ARACOMA. For Draperies and Other Silk Fabrics. ARACOMA TEXTILE COMPANY, INCORPORATED, New York, N. Y. Published March 15, 1923.

6,831.—*Title:* PEACE AND PLENTY. For Wheat Breakfast Food. CREAM OF WHEAT CO., Minneapolis, Minn. Published June 18, 1923.

6,832.—*Title:* ARISTOKRAT KUT. For Fancy-Cut Spectacle and Eyeglass Lenses. WILLIAM B. GEORGIA, Waco, Tex. Published June 21, 1923.

6,833.—*Title:* GRAPE NUTS WINDOW TRIM. For Grape Nuts. POSTUM CEREAL COMPANY, INC., New York, N. Y. Published April 25, 1923.

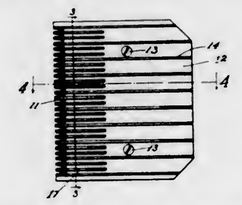
6,834.—*Title:* BATTERY SERVICE BY THE YEAR. For Electric Storage Batteries. HARRY E. WATSON, doing business as Automotive Battery Service Co., Richmond, Ind. Published June 27, 1923.

6,835.—*Title:* WILDER'S LION. For Half Soles and Strips. WILDER & COMPANY, Chicago, Ill. Published June 1, 1923.

REISSUES.

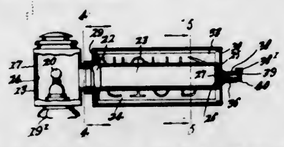
JULY 24, 1923.

15,660. HAIR CLIPPER. FOREST L. GRAY, Kenmore, Ohio. Filed Apr. 28, 1923. Serial No. 635,346. Original No. 1,395,104, dated Oct. 25, 1921, Serial No. 376,740, filed Apr. 26, 1920. 8 Claims. (Cl. 30—1.)



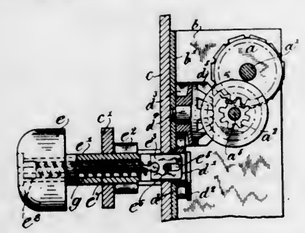
1. The combination with a hair clipping device, of a base plate, a plurality of right angularly disposed spaced blades carried thereby, said blades having convex outer edges terminating in pointed ends, and extending from the extreme ends of the teeth of the clipping device to the rear edge of the base plate.

15,661. AUTO TAIL LAMP AND SIGNAL. CHARLES STERN and GEORGE F. EGAN, Jersey City, N. J. Filed Apr. 21, 1920. Serial No. 375,641. Original No. 1,286,825, dated Dec. 3, 1918, Serial No. 200,133, filed Nov. 3, 1917. 4 Claims. (Cl. 116—49.)



1. A signal comprising a tube in connection with a source of light and having a slotted side wall, means to support the tube at one end through which the light is received, a relatively short stud projecting from the other end of the tube, a panel-bearing drum enveloping the tube and rotatable thereabout with its end adjoining the stud provided with a socket to receive the stud, said drum itself carrying a trunnion also comparatively short and independent of the stud, a bearing to support the trunnion, and means on the side of the bearing away from the drum having connection to the trunnion for rotating the drum.

15,662. OPERATING DEVICE FOR VOTING-MACHINE REGISTERS, ETC. CURTIS HUSSEY VEEDER, Hartford, Conn., assignor to The Veeder Manufacturing Company, Hartford, Conn., a Corporation of Connecticut. Filed Sept. 12, 1922. Serial No. 587,861. Original No. 1,342,476, dated June 8, 1920, Serial No. 332,580, filed Oct. 23, 1919. 2 Claims. (Cl. 235—144.)



1. The combination with a register, and gearing for operating the same, including a gear having a driving aperture, of an operating knob supported in fixed position and a spring pressed driving member carried by the knob and normally in engagement with the driving aperture of said gear and movable out of such engagement by an implement introduced from the opposite side of the driving gear.

DESIGNS.

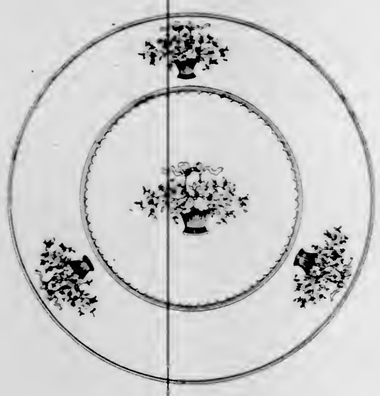
JULY 24, 1923.

62,687. SHOE OR SIMILAR ARTICLE. WILLIAM LEO BAXTER, Beverly, Mass. Filed Feb. 8, 1922. Serial No. 593. Term of patent 3½ years.



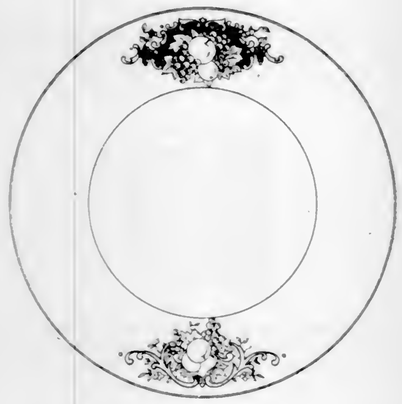
The ornamental design for a shoe or similar article, substantially as shown.

62,688. PLATE OR SIMILAR ARTICLE. EDGAR M. BOTTOME, Moundsville, W. Va., assignor to The Palm Brothers Company, New York, N. Y. Filed Oct. 27, 1922. Serial No. 4,119. Term of patent 3½ years.



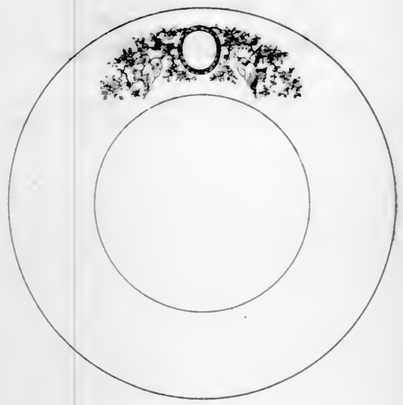
The ornamental design for a plate or similar article, as shown.

62,689. PLATE OR SIMILAR ARTICLE. EDGAR M. BOTTOME, Moundsville, W. Va., assignor to The Palm Brothers Company, New York, N. Y. Filed Oct. 24, 1922. Serial No. 4,078. Term of patent 3½ years.



The ornamental design for a plate or similar article, as shown.

62,690. PLATE OR SIMILAR ARTICLE. EDGAR M. BOTTOME, Moundsville, W. Va., assignor to The Palm Brothers Company, New York, N. Y. Filed Oct. 21, 1922. Serial No. 4,049. Term of patent 3½ years.



The ornamental design for a plate or similar article, as shown.

62,691. LIQUID CONTAINER FOR FOUNTAIN SYRINGES. ALVIE C. CRIMMEL, Hartford City, Ind. Filed Feb. 17, 1922. Serial No. 754. Term of patent 3½ years.



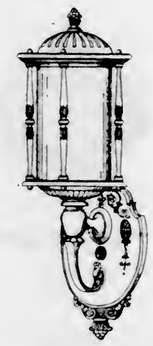
The ornamental design for a liquid container for a fountain syringe, as shown.

62,692. BRACKET FOR LIGHTING FIXTURES. FRANK S. CROWELL, Toledo, Ohio, assignor to The Edward N. Riddle Co., Toledo, Ohio, a Corporation of Ohio. Filed June 23, 1922. Serial No. 2,792. Term of patent 3½ years.



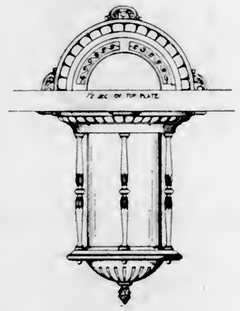
The ornamental design for a bracket for lighting fixtures, as shown.

62,693. BRACKET LANTERN FOR LIGHTING FIXTURES. FRANK S. CROWELL, Toledo, Ohio, assignor to The Edward N. Riddle Co., Toledo, Ohio, a Corporation of Ohio. Filed July 3, 1922. Serial No. 2,949. Term of patent 3½ years.



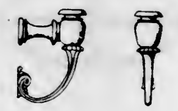
The ornamental design for a bracket lantern for lighting fixtures, as shown.

62,694. CEILING LANTERN FOR LIGHTING FIXTURES. FRANK S. CROWELL, Toledo, Ohio, assignor to The Edward N. Riddle Co., Toledo, Ohio, a Corporation of Ohio. Filed July 3, 1922. Serial No. 2,950. Term of patent 3½ years.



The ornamental design for a ceiling lantern for lighting fixtures, as shown.

62,695. ARM FOR LIGHTING FIXTURES. FRANK S. CROWELL, Toledo, Ohio, assignor to The Edward N. Riddle Co., Toledo, Ohio, a Corporation of Ohio. Filed July 3, 1922. Serial No. 2,951. Term of patent 3½ years.



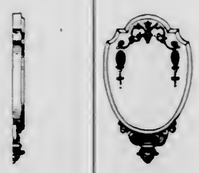
The ornamental design for an arm for lighting fixtures, as shown.

62,696. PLATE FOR LIGHTING FIXTURES. FRANK S. CROWELL, Toledo, Ohio, assignor to The Edward N. Riddle Co., Toledo, Ohio, a Corporation of Ohio. Filed July 3, 1922. Serial No. 2,952. Term of patent 3½ years.



The ornamental design for a plate for lighting fixtures, as shown.

62,697. PLATE FOR LIGHTING FIXTURES. FRANK S. CROWELL, Toledo, Ohio, assignor to The Edward N. Riddle Co., Toledo, Ohio, a Corporation of Ohio. Filed July 3, 1922. Serial No. 2,953. Term of patent 3½ years.



The ornamental design for a plate for lighting fixtures, as shown.

62,698. TOP FOR SHADE FOR LIGHTING FIXTURES. FRANK S. CROWELL, Toledo, Ohio, assignor to The Edward N. Riddle Co., Toledo, Ohio, a Corporation of Ohio. Filed July 3, 1922. Serial No. 2,954. Term of patent 3½ years.



The ornamental design for a top for shade for lighting fixtures, as shown.

62,699. TOP FOR SHADE FOR LIGHTING FIXTURES. FRANK S. CROWELL, Toledo, Ohio, assignor to The Edward N. Riddle Co., Toledo, Ohio, a Corporation of Ohio. Filed July 3, 1922. Serial No. 2,955. Term of patent 3½ years.



The ornamental design for a top for shade for lighting fixtures, as shown.

62,700. BRACKET PLATE FOR LIGHTING FIXTURES. FRANK S. CROWELL, Toledo, Ohio, assignor to The Edward N. Riddle Co., Toledo, Ohio, a Corporation of Ohio. Filed June 23, 1922. Serial No. 2,793. Term of patent 3½ years.



The ornamental design for a bracket plate for lighting fixtures, as shown.

62,701. CHANDELIER FOR LIGHTING FIXTURES. FRANK S. CROWELL, Toledo, Ohio, assignor to The Edward N. Riddle Co., Toledo, Ohio, a Corporation of Ohio. Filed June 23, 1922. Serial No. 2,794. Term of patent 3½ years.



The ornamental design for a chandelier for lighting fixtures, as shown.

62,702. CHANDELIER FOR LIGHTING FIXTURES. FRANK S. CROWELL, Toledo, Ohio, assignor to The Edward N. Riddle Co., Toledo, Ohio, a Corporation of Ohio. Filed June 23, 1922. Serial No. 2,795. Term of patent 3½ years.



The ornamental design for a chandelier for lighting fixtures, as shown.

62,703. PLATE FOR LIGHTING FIXTURES. FRANK S. CROWELL, Toledo, Ohio, assignor to The Edward N. Riddle Co., Toledo, Ohio, a Corporation of Ohio. Filed July 10, 1922. Serial No. 3,024. Term of patent 3½ years.



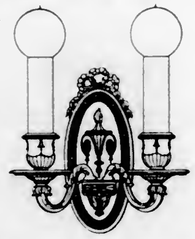
The ornamental design for a plate for lighting fixtures, as shown.

62,704. HUSK FOR LIGHTING FIXTURES. FRANK S. CROWELL, Toledo, Ohio, assignor to The Edward N. Riddle Co., Toledo, Ohio, a Corporation of Ohio. Filed Aug. 28, 1922. Serial No. 3,580. Term of patent 3½ years.



The ornamental design for a husk for lighting fixtures, as shown.

62,705. ELECTRIC WALL BRACKET. THURE E. DAHL, New York, N. Y. Filed May 31, 1921. Serial No. 473,936. Term of patent 3½ years.



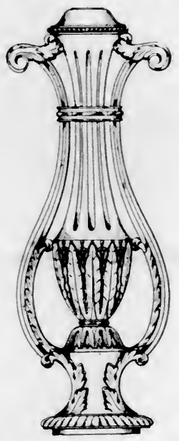
The ornamental design for an electric wall bracket, as shown.

62,706. BRACKET BACK FOR LIGHTING FIXTURES. THURE E. DAHL, New York, N. Y. Filed May 31, 1921. Serial No. 473,947. Term of patent 3½ years.



The ornamental design for a bracket back for lighting fixtures, as shown.

62,707. BODY PART FOR LIGHTING FIXTURES. THURE E. DAHL, New York, N. Y. Filed July 21, 1921. Serial No. 486,584. Term of patent 3½ years.



The ornamental design for a body part for lighting fixtures, as shown.

62,708. SOCKET COVER FOR LIGHTING FIXTURES. THURE E. DAHL, New York, N. Y. Filed July 21, 1921. Serial No. 486,586. Term of patent 3½ years.



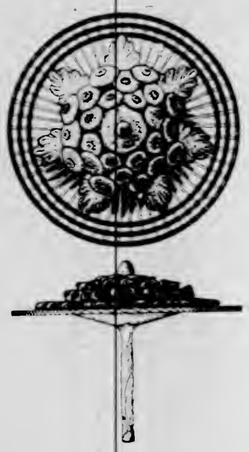
The ornamental design for a socket cover for lighting fixtures, as shown.

62,709. BAND FOR LIGHTING FIXTURES. THURE E. DAHL, New York, N. Y. Filed July 21, 1921. Serial No. 486,587. Term of patent 3½ years.



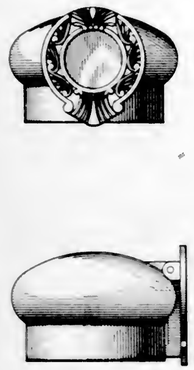
The ornamental design for a band for lighting fixtures as shown.

62,710. CANDY BOUQUET. FAY L. VAN DELINDER, Chicago, Ill. Filed Oct. 30, 1922. Serial No. 4,162. Term of patent 3½ years.



The ornamental design for a candy bouquet, as shown.

62,711. AUTOMOBILE RADIATOR CAP. HERBERT A. DENT, Chicago, Ill., assignor to Dent Auto Equipment Company, Chicago, Ill., a Corporation of Illinois. Filed Nov. 27, 1922. Serial No. 4,413. Term of patent 14 years.



The ornamental design for an automobile radiator cap, as shown.

62,712. COUGH TABLET. MARIE ROSE DURANTE, Utica, N. Y. Filed Feb. 23, 1922. Serial No. 842. Term of patent 14 years.



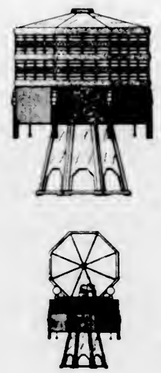
The ornamental design for a cough tablet, as shown.

62,713. FINGER RING, BRACELET, OR ARTICLE OF SIMILAR NATURE. SOLOMON EISENBERG, Syracuse, N. Y. Filed Jan. 18, 1923. Serial No. 4,927. Term of patent 7 years.



The ornamental design for a finger ring, bracelet, or article of similar nature substantially as shown.

62,714. COMBINED LAMP AND SOUND-REPRODUCING DEVICE. WALTER ERNI and ARTHUR E. LANGE, Jr., Milwaukee, Wis. Filed June 8, 1922. Serial No. 2,572. Term of patent 3½ years.



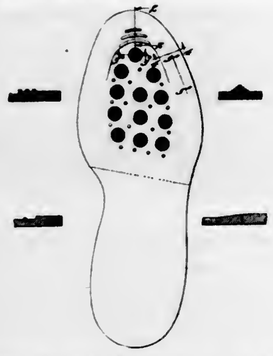
The ornamental design for a combined lamp and sound reproducing device, as shown.

62,715. CHANDELIER FOR LIGHTING FIXTURES. FRED FLEISCHACER, New Milford, N. J., assignor to New York Lighting Fixture Manufacturing Co., New York, N. Y., a Corporation of New York. Filed July 20, 1922. Serial No. 3,145. Term of patent 7 years.



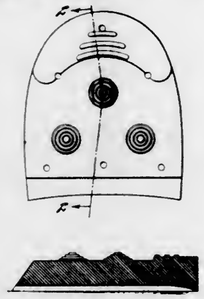
The ornamental design for a chandelier for lighting fixtures, as shown.

62,716. SOLE OR TAP. DUDLEY FREEMAN, Roxbury, Mass., assignor to Panther Rubber Manufacturing Company, Stoughton, Mass., a Corporation of Massachusetts. Filed Mar. 11, 1922. Serial No. 1,133. Term of patent 14 years.



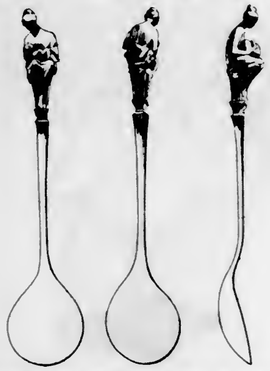
The ornamental design for a sole or tap as shown.

62,717. SHOE HEEL. DUDLEY FREEMAN, Roxbury, Mass., assignor to Panther Rubber Manufacturing Company, Stoughton, Mass., a Corporation of Massachusetts. Filed Mar. 11, 1922. Serial No. 1,134. Term of patent 14 years.



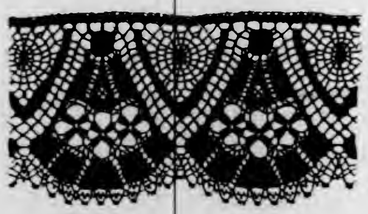
The ornamental design for a shoe heel as shown.

62,718. SPOON OR SIMILAR ARTICLE. EMIL FUCHS, New York, N. Y., assignor to Cartier, Inc., New York, N. Y., a Corporation of New York. Filed Mar. 3, 1922. Serial No. 994. Term of patent 7 years.



The ornamental design for a spoon or similar article, as shown.

62,719. LACE. HENRY GIEBEL, New York, N. Y., assignor to Thomas Wilson & Co. Inc., New York, N. Y., a Corporation of New York. Filed Feb. 28, 1923. Serial No. 5,307. Term of patent 3½ years.



The ornamental design for the lace, as shown.

62,720. PENCIL. BERNARD GOLDSTEIN, Toronto, Ontario, Canada. Filed Jan. 22, 1923. Serial No. 4,966. Term of patent 3½ years.



The ornamental design for a pencil as shown.

62,721. STATUETTE. YUBA T. GOODWIN, East Dedham, Mass. Filed Mar. 5, 1923. Serial No. 5,365. Term of patent 3½ years.



The ornamental design for a statuette, as shown.

62,722. ATTACHMENT PLUG. WILLIAM HENRY HARRINGTON, Hartford, Conn., assignor to The Arrow Electric Company, Hartford, Conn., a Corporation of Connecticut. Filed Dec. 2, 1921. Serial No. 519,527. Term of patent 14 years.



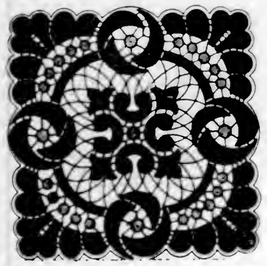
The ornamental design for an attachment plug, as shown.

62,723. AUTOMOBILE SIGNAL. WILLIAM HECKMAN and JOHN A. HECKMAN, Denver, Colo., assignors to The Heckman Signal Company, a Corporation of Colorado. Filed May 16, 1921. Serial No. 470,012. Term of patent 14 years.



The ornamental design for an automobile signal as shown.

62,724. LACE. WALTER HELBIG, Queens, N. Y. Filed Feb. 28, 1923. Serial No. 5,308. Term of patent 3½ years.



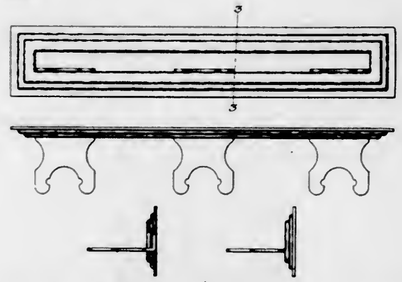
The ornamental design for lace, as shown.

62,725. HEEL FOR BOOTS AND SHOES. DAVID HILL, Leicester, England. Filed Aug. 3, 1921. Serial No. 489,642. Term of patent 7 years.



The ornamental design for a heel for boots and shoes as shown.

62,726. BRUSH HOLDER. WILLIAM J. HINES, Hartford, Conn., assignor to The Fuller Brush Company, Hartford, Conn., a Corporation of Connecticut. Filed Mar. 4, 1922. Serial No. 1,020. Term of patent 14 years.



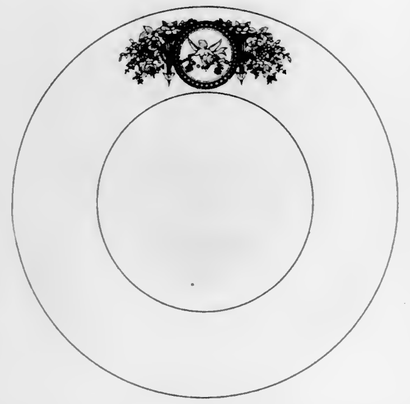
The ornamental design for a brush holder as shown in the accompanying drawing.

62,727. RING. OLAUS T. HODNEFIELD, Los Angeles, Calif. Filed Aug. 14, 1922. Serial No. 3,385. Term of patent 3½ years.



The ornamental design for a ring, as shown.

62,728. PLATE OR SIMILAR ARTICLE. PERCY JENNER, New York, N. Y., assignor to The Palm Brothers Company, New York, N. Y. Filed Oct. 12, 1922. Serial No. 3,949. Term of patent 3½ years.



The ornamental design for a plate or similar article, as shown.

62,729. PLATE OR SIMILAR ARTICLE. PERCY JENNER, New York, N. Y., assignor to The Palm Brothers Company, New York, N. Y. Filed Oct. 17, 1922. Serial No. 4,002. Term of patent 3½ years.



The ornamental design for a plate or similar article, as shown.

62,730. PLATE OR SIMILAR ARTICLE. PERCY JENNER, New York, N. Y., assignor to The Palm Brothers Company, New York, N. Y. Filed Oct. 19, 1922. Serial No. 4,035. Term of patent 3½ years.



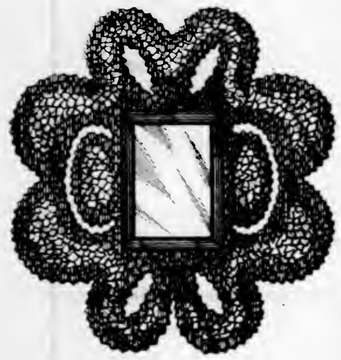
The ornamental design for a plate or similar article, as shown.

62,731. COMBINATION CHIPPED-GLASS FRAME AND MIRROR. JOZEFA KECZUR, West Selkirk, Manitoba, Canada. Filed Dec. 12, 1922. Serial No. 4,583. Term of patent 7 years.



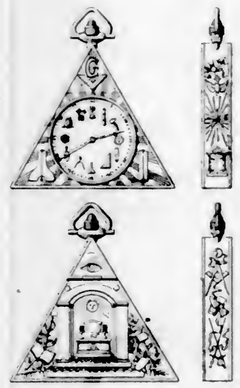
The ornamental design for a combination chipped glass frame and mirror, as shown.

62,732. COMBINATION COLORED CHIPPED-GLASS FRAME AND MIRROR. JOZEFA KECZUR, West Selkirk, Manitoba, Canada. Filed Dec. 12, 1922. Serial No. 4,584. Term of patent 7 years.



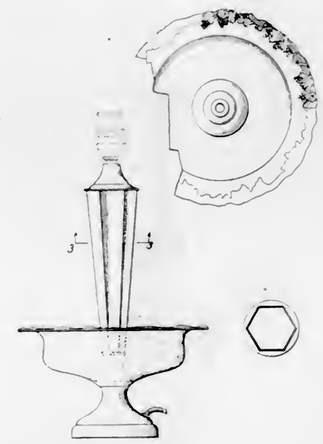
The ornamental design for a combination colored chipped glass frame and mirror, as shown.

62,733. WATCHCASE. GEORGE J. KELLER, Newark, N. J. Filed Feb. 2, 1923. Serial No. 5,054. Term of patent 14 years.



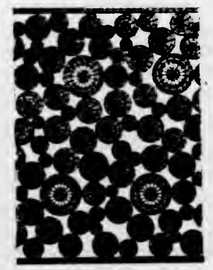
The ornamental design for a watchcase, as shown.

62,734. ELECTRIC-LAMP STAND. IRVING L. KLEINFIELD, Brooklyn, N. Y. Filed Aug. 31, 1922. Serial No. 3,609. Term of patent 3½ years.



The ornamental design for an electric lamp stand, as shown.

62,735. LACE. JOHN LANGENEGGER, West New York, N. J., assignor to Blanck & Co., Inc., New York, N. Y., a Corporation of New York. Filed Mar. 10, 1923. Serial No. 5,427. Term of patent 3½ years.



The ornamental design for lace as herein shown and described.

62,736. CHARM. ALFRED B. LEMON, Providence, R. I. Filed Feb. 11, 1922. Serial No. 657. Term of patent 3½ years.



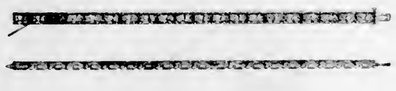
The ornamental design for a charm, as shown.

62,737. MEDALLION, EMBLEM, BUTTON, OR SIMILAR ARTICLE. PETER F. LEON, New York, N. Y. Filed Mar. 28, 1921. Serial No. 456,482. Term of patent 14 years.



The ornamental design for a medallion, emblem, button, or similar article, as shown.

62,738. BRACELET. CHARLES M. LEVY, New York, N. Y. Filed Jan. 31, 1923. Serial No. 5,036. Term of patent 3½ years.



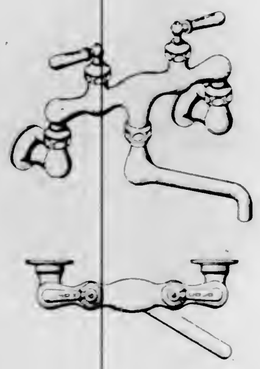
The ornamental design for a bracelet, as shown.

62,739. RADIATOR CAP. ALFRED B. MEMMOTT, Salt Lake City, Utah. Filed Nov. 2, 1922. Serial No. 4,193. Term of patent 3½ years.



The ornamental design for a radiator cap, as shown.

62,740. FAUCET. CHARLES J. MUEND, Philadelphia, Pa., assignor to Haines, Jones & Cadbury Incorporated, a Corporation of Pennsylvania. Filed Dec. 28, 1921. Serial No. 525,486. Term of patent 14 years.



The ornamental design for a faucet, as shown.

62,741. COMBINED SPAT AND LEGGING. GEORGE J NICHOLS, Minneapolis, Minn. Filed Aug. 26, 1922. Serial No. 3,567. Term of patent 3½ years.



The ornamental design for a combined spat and legging, as shown.

62,742. BADGE. MABEL H. PALMER, Davenport, Iowa. Filed Nov. 3, 1922. Serial No. 4,218. Term of patent 7 years.



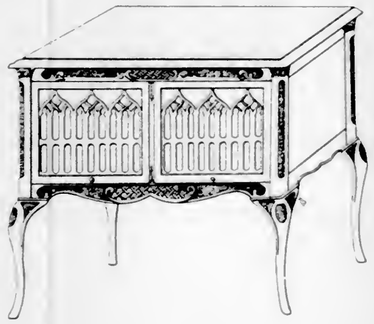
The ornamental design for a badge, as shown.

62,743. LIGHTING FIXTURE. ROSCOE C. PFLEAGER, Cleveland, Ohio, assignor to Benjamin F. Klein, Cleveland, Ohio. Filed Aug. 14, 1922. Serial No. 3,376. Term of patent 3½ years.



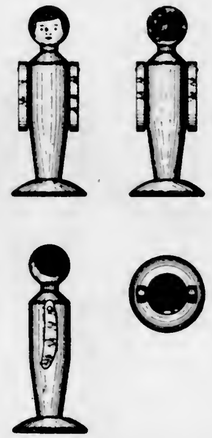
The ornamental design for a lighting fixture, substantially as shown.

62,744. CABINET. FRANK W. REYNOLDS, New Washington, Ohio. Filed June 28, 1922. Serial No. 2,856. Term of patent 7 years.



The ornamental design for a cabinet, substantially as shown.

62,745. DOLL. HARRIET M. ROBINSON, Seattle, Wash. Filed May 13, 1922. Serial No. 2,218. Term of patent 14 years.



The ornamental design for a doll, as shown.

62,746. RIBBON, TEXTILE FABRIC, OR ARTICLE OF SIMILAR NATURE. EMIL SPECK, Paterson, N. J., assignor to The Taylor-Friedsam Company, New York, N. Y., a Corporation of New Jersey. Filed Mar. 2, 1923. Serial No. 5,344. Term of patent 3½ years.



The ornamental design for a ribbon, textile fabric, or article of similar nature as shown.

62,747. FINGER RING, BRACELET, OR SIMILAR ARTICLE OF MANUFACTURE. JACOB H. SPINO, San Francisco, Calif. Filed May 31, 1922. Serial No. 2,485. Term of patent 3½ years.



The ornamental design for a finger ring, bracelet, or similar article of manufacture, as shown.

62,748. CASING FOR HUMIDIFIERS. FREDERICK S. STAFFORD, Chicago, Ill., assignor to Henry G. Saal, Chicago, Ill. Filed Mar. 5, 1921. Serial No. 450,601. Term of patent 7 years.



The ornamental design for a casing for humidifiers, as shown.

62,749. DOLL. DAVID STRAITON, Akron, Ohio, assignor to The Miller Rubber Company, Akron, Ohio, a Corporation of Ohio. Filed Dec. 26, 1922. Serial No. 4,711. Term of patent 14 years.



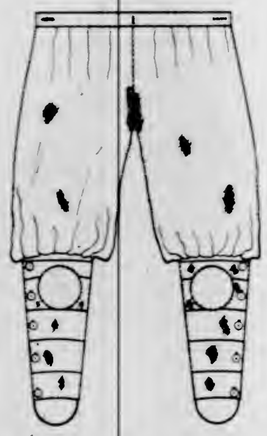
The ornamental design for a doll, as shown.

62,750. PLATE OR SIMILAR ARTICLE. RALPH STUART, Buffalo, N. Y., assignor to The Palm Brothers Company, New York, N. Y. Filed Nov. 1, 1922. Serial No. 4,183. Term of patent 3½ years.



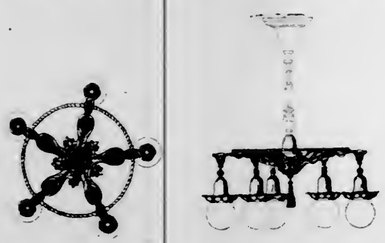
The ornamental design for a plate or similar article, as shown.

62,751. BIFURCATED NETHER GARMENT FOR CHILDREN. EULAH MYRTLE SUMMERS, Birmingham, Ala. Filed June 6, 1922. Serial No. 2,550. Term of patent 7 years.



The ornamental design for a bifurcated nether garment for children, substantially as shown.

62,752. LIGHTING FIXTURE. ALBERT ULLMAN, Cleveland, Ohio, assignor to The Scott-Ullman Company, Cleveland, Ohio, a Corporation of Ohio. Filed July 13, 1922. Serial No. 3,064. Term of patent 3½ years.



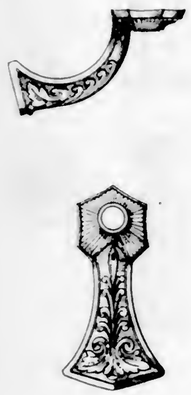
The ornamental design for a lighting fixture, as shown.

62,753. BRACKET BACK. GUSTAVE E. VILLARET, New York, N. Y., assignor to J. H. White Manufacturing Company, Brooklyn, N. Y., a Corporation of New York. Filed Nov. 2, 1922. Serial No. 4,204. Term of patent 3½ years.



The ornamental design for a bracket back, as shown.

62,754. ARM FOR LIGHTING FIXTURES. GUSTAVE E. VILLARET, New York, N. Y., assignor to J. H. White Manufacturing Company, Brooklyn, N. Y., a Corporation of New York. Filed Nov. 2, 1922. Serial No. 4,205. Term of patent 3½ years.



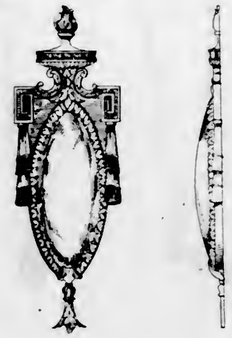
The ornamental design for an arm for lighting fixtures, as shown.

62,755. BRACKET BACK. GUSTAVE E. VILLARET, New York, N. Y., assignor to J. H. White Manufacturing Company, Brooklyn, N. Y., a Corporation of New York. Filed Nov. 2, 1922. Serial No. 4,200. Term of patent 3½ years.



The ornamental design for a bracket back, as shown.

62,756. BRACKET BACK. GUSTAVE E. VILLARET, New York, N. Y., assignor to J. H. White Manufacturing Company, Brooklyn, N. Y., a Corporation of New York. Filed Nov. 2, 1922. Serial No. 4,201. Term of patent 3½ years.



The ornamental design for a bracket back, as shown.

62,757. BRACKET BACK. GUSTAVE E. VILLARET, New York, N. Y., assignor to J. H. White Manufacturing Company, Brooklyn, N. Y., a Corporation of New York. Filed Nov. 2, 1922. Serial No. 4,202. Term of patent 3½ years.



The ornamental design for a bracket back, as shown.

62,758. BRACKET BACK. GUSTAVE E. VILLARET, New York, N. Y., assignor to J. H. White Manufacturing Company, Brooklyn, N. Y., a Corporation of New York. Filed Nov. 2, 1922. Serial No. 4,203. Term of patent 3½ years.



The ornamental design for a bracket back, as shown.

62,759. ARM FOR LIGHTING FIXTURES. GUSTAVE E. VILLARET, New York, N. Y., assignor to J. H. White Manufacturing Company, Brooklyn, N. Y., a Corporation of New York. Filed Nov. 2, 1922. Serial No. 4,206. Term of patent 3½ years.



The ornamental design for an arm for lighting fixtures, as shown.

62,760. ARM FOR LIGHTING FIXTURES. GUSTAVE E. VILLARET, New York, N. Y., assignor to J. H. White Manufacturing Company, Brooklyn, N. Y., a Corporation of New York. Filed Nov. 2, 1922. Serial No. 4,207. Term of patent 3½ years.



The ornamental design for an arm for lighting fixtures, as shown.

62,761. ARM FOR LIGHTING FIXTURES. GUSTAVE E. VILLARET, New York, N. Y., assignor to J. H. White Manufacturing Company, Brooklyn, N. Y., a Corporation of New York. Filed Nov. 2, 1922. Serial No. 4,208. Term of patent 3½ years.



The ornamental design for an arm for lighting fixtures, as shown.

62,762. ARM FOR LIGHTING FIXTURES. GUSTAVE E. VILLARET, New York, N. Y., assignor to J. H. White Manufacturing Company, Brooklyn, N. Y., a Corporation of New York. Filed Nov. 2, 1922. Serial No. 4,209. Term of patent 3½ years.



The ornamental design for an arm for lighting fixtures, as shown.

62,763. BODY SHELL. GUSTAVE E. VILLARET, New York, N. Y., assignor to J. H. White Manufacturing Company, Brooklyn, N. Y., a Corporation of New York. Filed Nov. 2, 1922. Serial No. 4,210. Term of patent 3½ years.



The ornamental design for a body shell, as shown.

62,764. HOSIERY. HARRY H. WEST, Montreal, Quebec, Canada. Filed Dec. 21, 1922. Serial No. 4,650. Term of patent 3½ years.



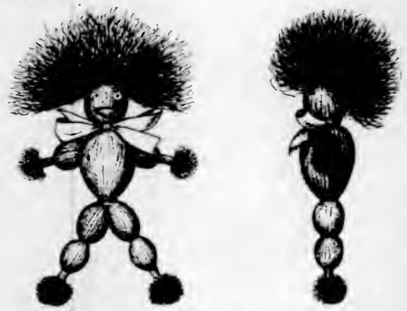
The ornamental design for hosiery as shown.

62,765. LIGHTING FIXTURE. JAMES WILLIAMSON, Chicago, Ill., assignor to R. Williamson & Company, Chicago, Ill., a Corporation of Illinois. Filed July 28, 1922. Serial No. 3,237. Term of patent 7 years.



The ornamental design for a lighting fixture as shown.

62,766. DOLL. GEORGE R. ZIMMERMAN, Brooklyn, N. Y. Filed Dec. 27, 1922. Serial No. 4,725. Term of patent 7 years.

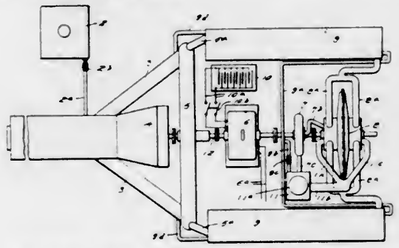


The ornamental design for a doll as shown.

PATENTS

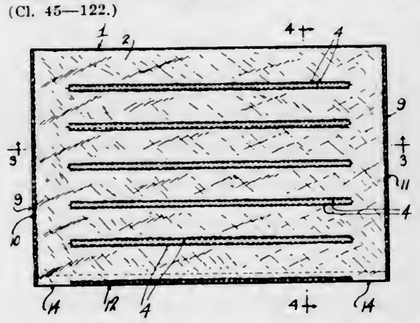
GRANTED JULY 24, 1923.

1,462,470. POWER PLANT. ERNIE ADAMSON, New York, N. Y. Filed Apr. 12, 1920. Serial No. 373,320. 4 Claims. (Cl. 60—42.)



1. A power plant of the character described including a turbine, a shaft on which the turbine is mounted, motive fluid forming means including a combustion chamber having a motive fluid supply connection leading to the turbine, a blower on the turbine shaft supplying air to the combustion chamber, a water jacket around the said supply connection having an outlet leading into the combustion chamber, a condenser through which the motive fluid is exhausted from the turbine, having an outlet for the condensing liquid connected to the water jacket of the motive fluid supply connection, an exhaust pump on the turbine shaft for withdrawing fluid from the condenser, and a pump on the turbine shaft for forcing condensing liquid through the condenser.

1,462,471. COLLAPSIBLE LAPBOARD FOR CARD PLAYERS. BENJAMIN W. ALPINER, Kankakee, Ill. Filed May 13, 1921. Serial No. 469,222. 1 Claim. (Cl. 45—122.)



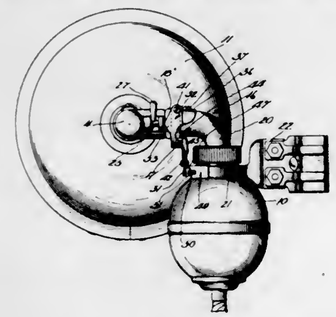
A device of the character specified, comprising a lapboard formed of flexible material and provided in its body portion with a plurality of longitudinally disposed transversely spaced sleeves or pockets and at each end with a transversely disposed sleeve or pocket, strips of rigid or semi-flexible material arranged in said longitudinal sleeves or pockets and other similar strips arranged in said transverse sleeves, the inner edges of the transverse strips fitting against the ends of the longitudinal strips and holding the latter against longitudinal displacement and the transverse sleeves or pockets being open at one end, to provide for the removal of the end strips preparatory to collapsing or folding the device.

1,462,472. LENS MOUNTING FOR LAMP CASINGS. ERNST G. K. ANDERSON, Chicago, Ill., assignor, by mesne assignments, to Appleton Electric Co., Chicago, Ill., a Corporation of Illinois. Filed Feb. 3, 1921. Serial No. 442,158. 9 Claims. (Cl. 240—41.)



1. A transversely divided resilient lens mounting ring having a smooth periphery concentric to the ring axis and adapted to encircle the juncture of the casing and lens margin, and means embedded within the circumference of said ring to close the ring on the lens and lamp casing.

1,462,473. AUTOMATIC SWITCH CONTROL FOR SPOTLAMPS. ERNST G. K. ANDERSON, Chicago, Ill., assignor, by mesne assignments, to Appleton Electric Co., Chicago, Ill., a Corporation of Illinois. Filed June 27, 1921. Serial No. 480,562. 13 Claims. (Cl. 240—7.)

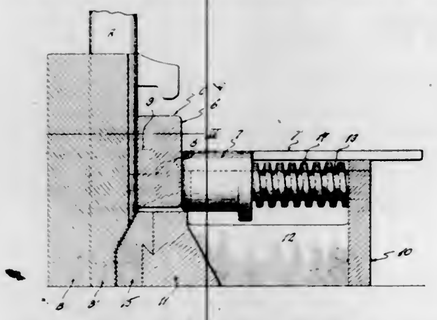


1. Automatic control for universal electric spot lamps comprising, in combination with the members of a universal mounting for the lamp casing and a lamp controlling switch having an actuator member, of a control element swingingly supported on said mounting and cooperating with said actuator and a part fixed on the mounting and operative to control said switch in a given position of the lamp when moving through any direction of its universal sweep.

1,462,474. APPARATUS FOR CRUSHING CORRUGATED METAL. CHARLES E. ATKINSON, Pine Lawn, Mo., assignor to E. E. Souther Iron Company, Wellston P. O., St. Louis County, Mo., a Corporation of Missouri. Filed June 4, 1921. Serial No. 475,047. 8 Claims. (Cl. 153—2.)

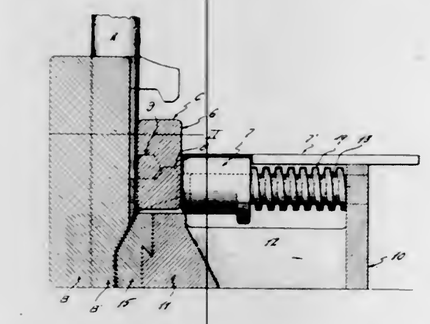
1. In an apparatus of the character described, means for flattening the corrugations at a margin of a corrugated metal sheet and at the same time forming inclined folds in the corrugated metal adjoining said margin, said

means including clamping members between which the corrugated sheet is held, and a bending member cooperating with said clamping members, said clamping mem-



bers having inclined abutment faces and said bending member having a correspondingly formed inclined abutment located opposite to said inclined faces.

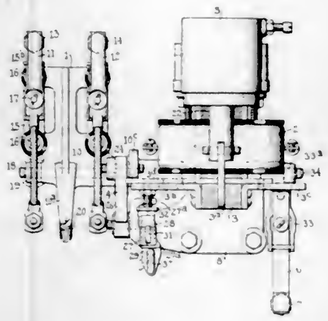
1,462,475. METHOD OF CRUSHING CORRUGATED METAL. CHARLES E. ATKINSON, Pine Lawn, Mo., assignor to E. E. Souther Iron Company, Wellston P. O., St. Louis County, Mo., a Corporation of Missouri. Filed June 4, 1921. Serial No. 475,048. 8 Claims. (Cl. 153—2.)



1. The method of crushing corrugated metal sheets which comprises crushing and flattening a marginal portion of the corrugated metal so as to form two oppositely disposed flat marginal folds at the end of each crushed corrugation, at the same time forming tapering folds converging from the respective marginal folds and merging into uncrushed portions of the corrugations.

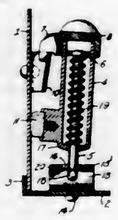
1,462,476. MOTOR CONTROLLER. THOMAS E. BARNUM, Milwaukee, Wis., assignor to The Cutler-Hammer Mfg. Co., Milwaukee, Wis., a Corporation of Wisconsin. Filed July 30, 1917. Serial No. 183,474. 3 Claims. (Cl. 200—97.)

3. In a motor controller, in combination, a panel, a switch mounted thereon, said switch having an oscillatable contact member provided with an extension projecting outwardly from said panel, a magnet frame mounted on said panel contiguous to said switch, an electromagnet mounted on said frame and having a pivoted armature projecting outwardly from said base and engaging said extension of said switch whereby said electromagnet is energizable to actuate said contact member for closure of said switch, mechanical means to lock said switch in closed position, including an oscillatable member having a part projecting outwardly from said panel to be engaged by said armature for release of said switch following de-energization of said electromagnet and a dashpot



mounted on the front of said magnet frame and connected to said armature for retarding movement of the latter when released by said electromagnet.

1,462,477. AUTOMOBILE HOOD CLAMP. WILLIAM R. BASSICK, Bridgeport, Conn., assignor to The Bassick Company, Bridgeport, Conn., a Corporation of Connecticut. Filed May 4, 1922. Serial No. 558,412. 6 Claims. (Cl. 292—114.)

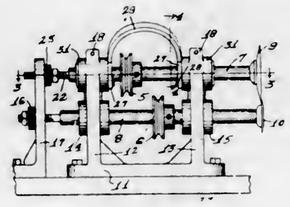


1. In an automobile hood clamp, the combination of a clamping member having a hold down clamp at the upper part thereof, adapted to clamp a hood to an automobile frame, a side engaging clamp, and a part adapted to make a pivotal connection with the frame, means enabling the adjustment of position of the pivotal connection with respect to the hood to engage the side engaging clamp with the side of the hood, and means for holding the pivot point of said part in adjusted position.

1,462,478. ADJUSTING MECHANISM FOR TRIMMERS. REES BEYNON and JOHN C. HINTZ, Chicago, Ill., assignors to Dryden Rubber Company, a Corporation of Illinois. Filed Jan. 16, 1922. Serial No. 529,507. 1 Claim. (Cl. 164—60.)

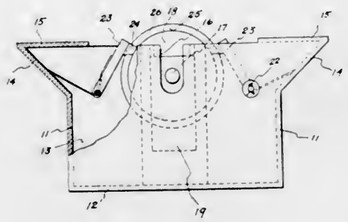
In a trimming machine two overlapping cutting disks, parallel shafts, one attached to the center of each disk for rotating the same, a casting having two arms and four bearings, two bearings in each arm making two pairs of bearings, one pair for each shaft and one bearing of each pair in each arm, one pair of bearings permanently fixing the alignment of one of said shafts, eccentric sleeves in the other pair of bearings, the other shaft being mounted in said sleeves, a pulley on each shaft for driving the same, said pulleys being located between said arms, a bail connecting said sleeves rigidly

together whereby they may be simultaneously rotated to adjust the alignment of said other shaft while maintaining the parallelism of the shafts, said bail passing



around said pulleys at a sufficient distance to permit belts to run around said pulleys and within said bail and means independent of said bail for adjusting said shafts longitudinally to regulate the contact between said disks.

1,462,479. COLOR BOX. JOSEPH J. BOHOCK, Yonkers, N. Y., assignor, by direct and mesne assignments, of thirty-five per cent to Cornelius Kyff and thirty per cent to Andrew Purcell, both of Yonkers, N. Y. Filed Apr. 18, 1922. Serial No. 554,726. 2 Claims. (Cl. 101—364.)



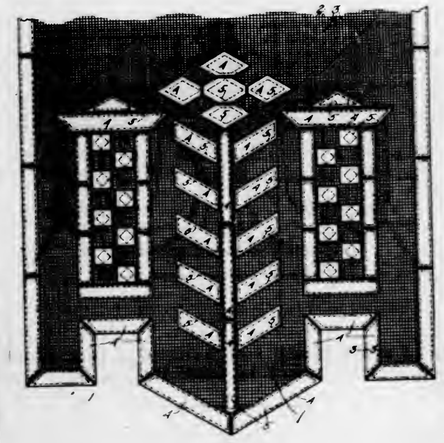
1. A device of the class described comprising a box member receptive of a printing fluid and adapted to be secured to a reciprocating table of a printing machine, peaked ends on said box, a baffle cover formed on said ends, the latter adapted to prevent the overflow of fluid when the box comes to an abrupt stop, vertical slots in said box, guide members within the box, plates slidable between said guide members, a shaft rotatable in said plates, an inking roller on said shaft and adapted to dip into the fluid, and means resiliently contacting with said roller on opposite sides thereof for evenly distributing the fluid over said roller.

1,462,480. SMOKING MIXTURE. FREDERICK J. BOSSE, Norristown, Pa. Filed Sept. 17, 1920. Serial No. 410,927. 1 Claim. (Cl. 131—31.)

A smoking mixture comprising tobacco and diatomaceous earth distributed therethrough whereby said earth absorbs moisture from said tobacco during the process of combustion.

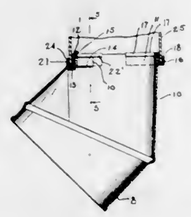
1,462,481. ORNAMENTAL TRANSPARENCY. JOHN T. BOYLE, Randolph, Mass. Filed May 23, 1921. Serial No. 471,906. 8 Claims. (Cl. 41—21.)

1. An ornamental structure of the character described, comprising a panel of transparent material; a set of independent transparent design elements distributed about upon one side of said panel so as to form a design; a set of design elements distributed about upon the



other side of said panel so as to form a similar design positioned to register with the first design, and means securing all of said elements to said panel.

1,462,482. ADJUSTABLE BOOT FOR PIPES. CHARLES M. BULLER, Milwaukee, Wis., assignor to L. J. Mueller Furnace Company, Milwaukee, Wis., a Corporation of Wisconsin. Filed May 6, 1921. Serial No. 467,394. 5 Claims. (Cl. 137—75.)

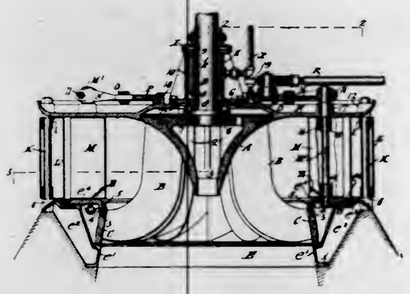


1. An adjustable boot for pipes, comprising a collar having one end portion of rectangular shape in cross section and a side wall extending inwardly, angular strips forming grooves mounted on three sides of the rectangular portion, and an angular strip adjustably mounted on the fourth side of the rectangular portion and resting on the inwardly extending side wall to form in connection with the other angular strips a rectangular grooveway to receive one end portion of another pipe.

1,462,483. HYDRAULIC TURBINE. JOHN S. CARPENTER, Irvington, N. J., assignor to Worthington Pump and Machinery Corporation, New York, N. Y., a Corporation of Virginia. Filed Sept. 21, 1921. Serial No. 502,267. 10 Claims. (Cl. 253—122.)

1. In a hydraulic turbine, the combination, with a runner, a bottom member, and a cover plate, of gates

pivotally mounted between the bottom member and the cover plate, column members arranged outside the gates for holding the cover plate from the bottom member,



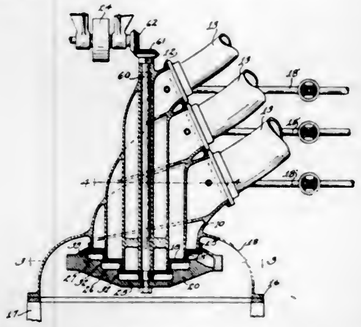
and a swinging guide vane journaled on each column member, and arranged to adjust itself to the water flow.

1,462,484. HAIR CURLER. JOSEPH D. COUGHLIN, New York, N. Y., assignor, by mesne assignments, of one-half to Duncan A. McConnell. Filed Dec. 31, 1921. Serial No. 526,114. 2 Claims. (Cl. 132—41.)



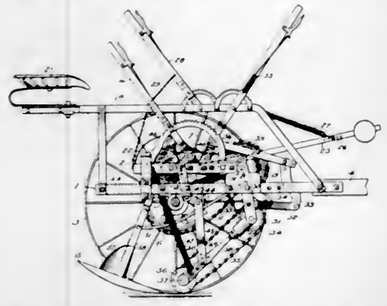
1. A hair curler embodying a resilient strip bent intermediate its ends to form two resilient arms, one of which is longer than the other, which arms are normally adapted to partake of diverging relation, the free end portion of the shorter arm being bent outwardly with respect to the remainder of said arm to provide an inclined locking portion and the free end portion of the longer arm being returned upon itself to form a substantially straight inclined retaining portion terminating at the end of the returned portion, the shorter arm being of such length that, when said arms are bowed apart by hair positioned between them and the free ends of the arms forced toward one another, the inclined locking portion at the free end of the shorter arm will engage with the inclined retaining portion of the longer arm and may, by the application of pressure, be forced to slide down the inclined portion of the longer arm and snap beneath the free end thereof so as to become locked behind said free end which forms a shoulder or abutment and engages the inclined locking portion of the shorter arm at a point slightly removed from the extremity of the shorter arm, whereby inadvertent release of the shorter arm is precluded.

1,462,485. METHOD OF AND APPARATUS FOR MIXING MATERIALS. GEORGE W. DENISON, Bay Village, Ohio. Filed Sept. 6, 1921. Serial No. 498,889. 23 Claims. (Cl. 83—73.)



1. The method of mixing materials which comprises ejecting a thin film of one material by centrifugal force through a rotating outlet to form an annular band in close contact with a band of dissimilar material also ejected by centrifugal force through a rotating outlet.

1,462,486. BEET-HARVESTING MACHINE. JOHN DEVEY, Lehi, Utah. Filed June 2, 1921. Serial No. 474,504. 10 Claims. (Cl. 55—107.)



1. In a beet topping machine, the combination of a vertically movable cutting disk for severing the tops of the beets, a sectional height regulating member for the cutting disk connected to the latter and having a ground engaging body portion movable vertically a relatively greater distance than the cutting disk when said member comes in contact with a beet, means for adjusting one section of the regulating member relatively to the cutting disk, and means for raising and lowering the rotary cutting disk and regulating means to an inoperative position.

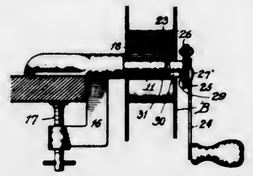
5. In a beet topping machine, the combination with the main frame and ground wheel axle, of a sprocket wheel carried on said axle, a rotatable shaft carried on the main frame, a sprocket wheel mounted on said shaft, a supplemental frame loosely secured on said shaft, a second shaft journaled on the supplemental frame and movable vertically independently of the first shaft a sprocket wheel and bevel gear on the second shaft, sprocket chains connecting said sprocket wheels, a depending rotatable shaft carried by the supplemental frame, a cutting disk mounted on the lower end of said depending shaft and a pinion mounted on its upper end and adapted to engage said bevel gear.

6. In a beet topping machine, a cutting disk, a pivotally mounted belt frame having side members each formed of pivotally connected sections, means for elevating the entire belt frame, and means for elevating one section of each of said frame side members independently of the other section of said members.

7. In a beet topping machine, a main frame, a cutting disk, a disk height regulating frame comprising two side members each formed of upper and lower pivotally connected sections, said upper sections being pivotally mounted on the main frame, connections between said upper sections and the cutting disk, means for elevating said disk, and the entire regulating frame, and means for separately elevating the lower sections of the regulating frame side members.

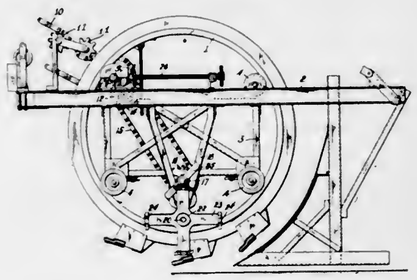
8. In a beet topping machine, a cutting disk, a disk height regulating frame composed of upper and lower sections, and means for elevating the lower frame section independently of the upper section.

1,462,487. MECHANISM FOR REWINDING FILMS. HERMAN A. DE VRY, Chicago, Ill., assignor to The De Vry Corporation, Chicago, Ill., a Corporation of Illinois. Filed Sept. 24, 1919. Serial No. 325,974. 4 Claims. (Cl. 242—55.)



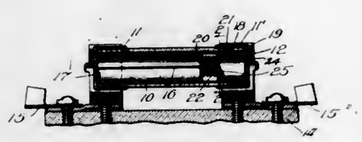
1. In a film rewinding mechanism, the combination of a support for the spool on which a film is to be wound, a spindle removably held in said support, a crank fixed to the spindle, a one-way clutch comprising a member rigid with the crank and spindle, and a member on the spindle and rotatable with the spool, the clutch permitting the spool to rotate and wind up the film by momentum when the crank is held.

1,462,488. SLOPING-BANK-CUTTING ATTACHMENT. CHARLES L. GEORGE, Findlay, Ohio, assignor to The Buckeye Traction Ditcher Company, Findlay, Ohio, a Corporation of Ohio. Filed Feb. 23, 1922. Serial No. 538,520. 3 Claims. (Cl. 37—94.)



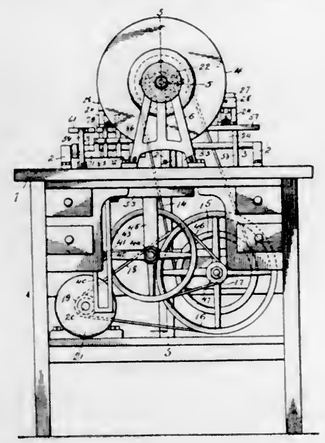
1. In a machine of the class described, a frame, an excavating wheel rotatably mounted in the frame, a slope cutting wheel carried by the frame within the periphery of the excavating wheel, a rotatable agitating member disposed between the excavating wheel and the slope cutting wheel to break up the material cut by the latter, and means for driving the slope cutting wheel and agitating member.

1,462,489. ELECTRIC FUSE. BERTRAM J. GRIGSBY, Chicago, Ill. Filed Jan. 22, 1918. Serial No. 213,165. 1 Claim. (Cl. 200—117.)



An electrical thermal fuse comprising an open ended shell, conducting ferrules applied thereto, a fuse link attached at one end to one of said ferrules, a bushing within said shell for contact with one of said ferrules, a disc slidable in and filling said bushing, and a spring interposed between said disc and a shoulder on the bushing, said fuse link extending into said bushing, through the spring and through said disc and attached to the disc.

1,462,490. RAZOR-BLADE-SHARPENING MACHINE. VOLNEY T. MILLER, Kansas City, Mo., assignor to Robert S. Spahr, Kansas City, Mo. Filed May 29, 1922. Serial No. 564,493. 19 Claims. (Cl. 51—113.)

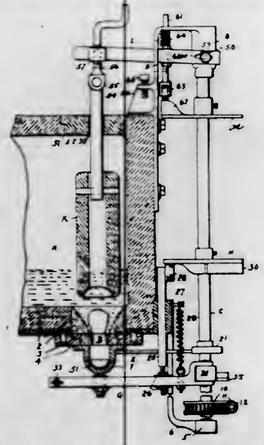


1. In a machine of the kind described, a rotary abrading wheel having a flat abrading side comprising a stropping surface and a honing surface concentric and flush with each other, a pluraltiy of blade holders, a supporting guiding means for said holders, means for feeding said holders along said guiding means, and means by which said holders are moved to the sharpening position with respect to said side on said guiding means, substantially as set forth.

1,462,491. PROCESS AND APPARATUS FOR FEEDING GLASS. WILLIAM J. MILLER, Swissvale Borough, Pa. Filed Jan. 7, 1921, Serial No. 435,669. Renewed Apr. 7, 1923. 23 Claims. (Cl. 49—5.)

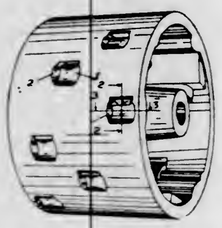
11. In the feeding of glass, for use in connection with a container for molten glass provided with a discharge orifice, the combination of means intermittently operative for detaching the glass protruding from said orifice to form gathers, a receptacle adapted to contain a quantity of liquid, means for applying said receptacle to the outer end of said orifice between detaching operations whereupon the liquid is gasified by the heat, causing the glass to be temporarily retracted along said orifice for the pur-

poses described, and means for replenishing the supply of liquid to said receptacle when the latter is in its in-



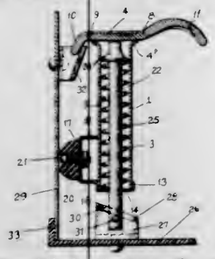
operative position, said replenishing means being adjustable to regulate the quantity of liquid supplied to said receptacle.

1,462,492. CHIP POCKET FOR CUTTING SHREDDERS AND THE LIKE. PHILIP S. MITTS and WILLIAM J. WINSTON, Saginaw, Mich., assignors to Mitts & Merrill, Saginaw, Mich., a Corporation of Michigan. Filed May 10, 1922. Serial No. 559,948. 2 Claims. (Cl. 83—75.)



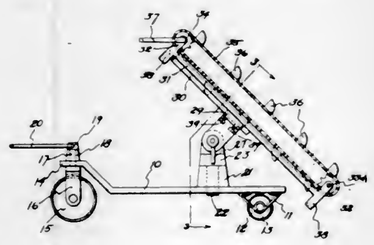
1. In a drum of the class described, a plurality of cutting knives, a pocket formed in said drum in advance of the edge of each knife, the width of the bottom of said pocket substantially uniform throughout the length of said pocket, an end of said pocket flared outwardly.

1,462,493. AUTOMOBILE HOOD CLAMP. RAYMOND G. MOORE, Bridgeport, Conn., assignor to The Bassick Company, Bridgeport, Conn., a Corporation of Connecticut. Filed Apr. 4, 1922. Serial No. 549,463. 7 Claims. (Cl. 292—114.)



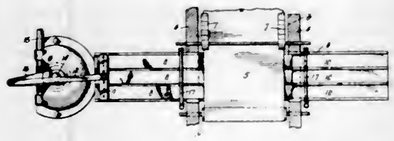
1. In an automobile hood clamp, the combination of a barrel having a transverse top portion integral therewith, having upper and lower walls with a channel between the same, and a transverse metal strap extending through said channel and secured thereon.

1,462,494. EXCAVATOR. WILLIAM OTTO, Edgeley, N. Dak. Filed July 1, 1922. Serial No. 572,231. 2 Claims. (Cl. 37—69.)



1. An ore excavating machine comprising a wheeled platform, a pedestal thereon, side frames rotatably mounted on said pedestal, sprocket wheels between said side frames, chains connecting said sprocket wheels, scoops secured to said chains, longitudinal projections on said side frames, a tilt table pivotally secured to said pedestal having longitudinal guide grooves formed thereon, hinge arms on said tilt table engaging said pedestal, a handle knob adapted to releasably secure said tilt table in any desired angular position by engaging the hinge arms, said side frames adapted to be secured on said tilt table, and means for sliding said side frames laterally on the tilt table.

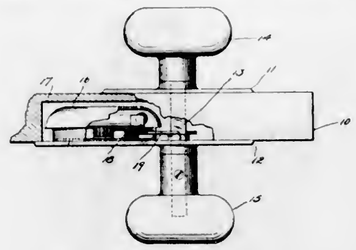
1,462,495. SHEET-GLASS-DRAWING MECHANISM. THOMAS S. OWENS, Toledo, Ohio. Filed Mar. 5, 1920. Serial No. 363,508. 6 Claims. (Cl. 49—17.)



5. In a sheet glass drawing mechanism, a chamber through which glass is drawn in sheet form, a table disposed at one side of a soft portion of the sheet and extending transversely thereof and through and beyond each side wall of the chamber, a sheet flattening member guided by the table for movements transversely of the sheet in flattening contact with a surface thereof and being of a length for one end portion to extend without a side of the chamber when another end portion thereof is disposed in rubbing contact with the surface of a sheet, means without the chamber for imparting reciprocatory movements to the member, and means for cooling each end portion of the flattening member when disposed without a respective side of the chamber.

1,462,496. KNOB ALARM. ANDRU G. PAPPADAKIS, Detroit, Mich. Filed July 7, 1922. Serial No. 573,319. 1 Claim. (Cl. 116—97.)

In a device of the character described, the combination with a knob spindle; of an alarm mechanism, having a pinion to receive the power for operating the same; means comprising a toothed sector, having an opening through



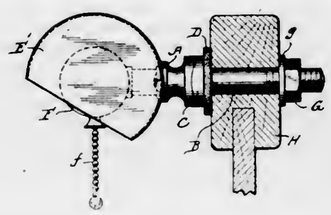
which the said spindle projects, and engaging the pinion whereby rotary movement of said spindle is transmitted to said pinion.

1,462,497. INDEX. JAMES H. RAND, North Tonawanda, N. Y. Filed May 19, 1921. Serial No. 470,856. 8 Claims. (Cl. 40—2.)



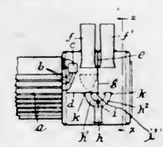
1. A composite index element for indexes of the character described comprising a relatively long and narrow multi-ply strip, one ply being of resilient, sheet material and another ply being of sheet material carrying an inscription, the plies being cemented together, and said composite strip being stiffly resilient whereby the strip may be temporarily bent without permanent distortion to insert it in a frame, and whereby the body of the strip between its ends will lie flat against a flat surface and be so self-retained when held at its ends.

1,462,498. LAMP FIXTURE FOR BEDS AND THE LIKE. LOUIS ROTH, New York, N. Y., assignor to Charles F. Kinsman, New York, N. Y. Filed Feb. 23, 1921. Serial No. 447,284. 1 Claim. (Cl. 240—4.)



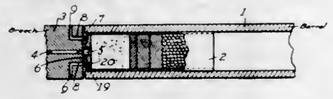
A lamp-fixture adapted for use on articles of furniture comprising a head one face of which is curved in conformity with the contour of the surface of the article with which said curved face is adapted to contact, a single stem in permanently fixed relation to said head, said stem passing through said curved face only of the head and protruding for a substantial distance beyond said head to afford means for the attachment of said fixture, a perforated collar fitted loosely and removably on the stem, one face of said collar being curved for snug contact with the curved face of the head and the other side of said collar being a plane surface, and means co-operating with the stem for clamping the collar and the head in fixed non-rotative relation to each other and to the article of furniture.

1,462,499. DRAFT-REGULATING DEVICE. PETER THOMSEN, Cassel, Germany, assignor to Schmidt'sche Heissdampf Gesellschaft m. b. H., Cassel-Wilhelmshohe, Germany, a Corporation of Germany. Filed Mar. 18, 1920. Serial No. 367,021. 11 Claims. (Cl. 110—61.)



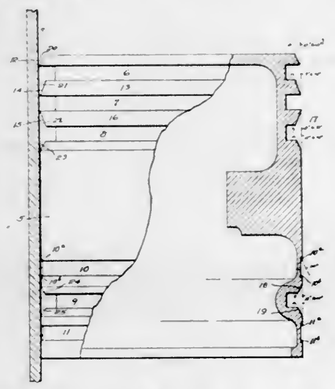
1. In a boiler or the like, a structure having tubes arranged in a plurality of groups, a chamber divided into separate compartments each communicating with the tubes of one group, draft devices connected with the respective compartments, and means for controlling said draft devices.

1,462,500. VACUUM RELEASE FOR SHELLS. PAUL IRVINE WELLS, Kouts, Ind. Filed Jan. 24, 1920. Serial No. 353,760½. 4 Claims. (Cl. 89—1.)



1. In shells, means for automatically admitting a vacuum reducing agency into the interior of a shell simultaneously with first forward movement of the charge contained in the shell.

1,462,501. PISTON. MONT W. BARWALD, Jacksonville, Fla. Filed May 8, 1922. Serial No. 559,296. 7 Claims. (Cl. 74—108.)

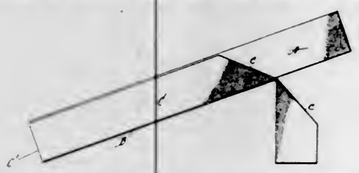


2. A piston provided adjacent its lower portion with a wide and shallow peripheral groove of uniform depth throughout its width adapted to be completely filled with oil and of such width that the oil will be trapped therein and act to guide the piston and prevent piston slap.

1,462,502. COUNTER-DISPLAY CONTAINER. TRUELL F. EMERSON, Somerville, Mass., assignor, by mesne assignments, to Walter M. Lowney Company, Boston, Mass., a Corporation of Massachusetts. Filed June 24, 1921. Serial No. 480,111. 3 Claims. (Cl. 206—44.)

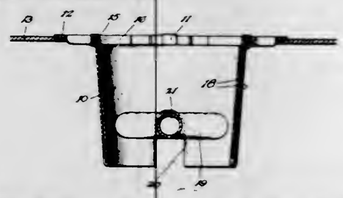
1. A container and a cover therefor provided with flanges, two opposite flanges of said cover being cut

at opposite points thereof and at points much nearer one end of said cover than the other; whereby when said cover is removed from said container and reversed



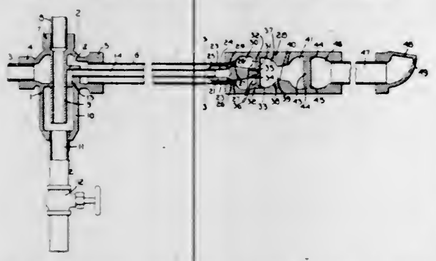
said container may be set into it and the smaller portion of said cover may be bent backward on a line between said cuts to form an easel support for one end of said container to display the goods therein.

1,462,503. FUEL SAVER. JOHN W. GREEN, Columbus, Ohio. Filed Mar. 27, 1922. Serial No. 546,996. 1 Claim. (Cl. 126—114.)



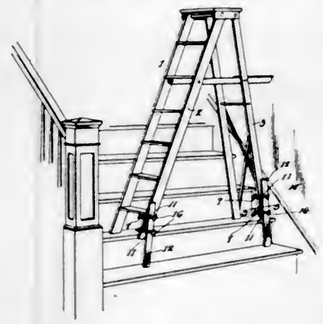
A fuel saver for burners of stoves comprising a thin metallic casing in the shape of a hollow inverted conic frustum, gripping fingers rising from the upper edge of the casing to pass over and around a skeleton frame in the top of a stove, both the inner and outer sides of said casing being covered with refractory material, said casing adapted to enclose a fuel burner so that its lower end extends below the burner and its upper edge is disposed close to the skeleton frame, the lower edge of the casing being provided with an opening to span the burner supply pipe, and notches to accommodate elements of the stove structure.

1,462,504. VAPORIZER. FREDERICK V. HADLEY, Needham, STANLEY BARNABY, Auburndale, and JOHN O. CLARKE, Forest Hills, Mass. Filed May 23, 1921. Serial No. 472,019. 14 Claims. (Cl. 158—75.)



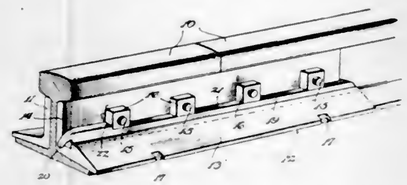
1. A vaporizer comprising a casing having a mixing chamber therein, means for introducing an annular series of jets of gaseous fluid under pressure into said chamber, means for delivering liquid in the paths of the respective jets, an abutment having an annular concave deflecting surface in the paths of said liquid-carrying jets acting to cause an eddying thereof in said mixing chamber whereby the liquid will be thoroughly atomized and mixed with said gaseous fluid and peripheral outlets in the end wall of said chamber for delivering the mixture.

1,462,505. LADDER ATTACHMENT. HOMER HUNT, Hartford, Conn. Filed July 15, 1922. Serial No. 575,202. 2 Claims. (Cl. 228—63.)



1. An attachment for ladders comprising a base plate adapted to bear against the side of a ladder leg, means for securing the plate to the ladder leg, bracket loops projecting from the side of the plate to receive an extension leg, bolts mounted in the bracket loops, and clamping plates swiveled on the inner ends of said bolts and provided on their inner faces with longitudinal ribs extending from end to end thereof adapted to be embedded in the extension leg, the end of the bolt being located between the ribs.

1,462,506. COMBINED RAIL JOINT AND NUT LOCK. DUDLY W. JEFFRIES, Springfield, Mo. Filed Aug. 2, 1922. Serial No. 579,157. 1 Claim. (Cl. 238—262.)

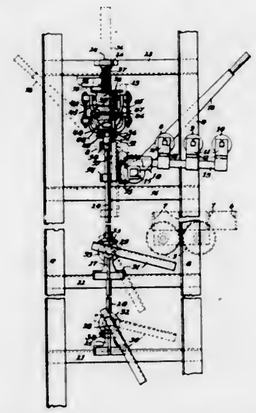


In a combined rail joint and nut lock, the combination of companion fish plates, rail securing bolts extending through said plates, nuts adjustable upon said bolts, one of the plates being provided with bottom and side flanges and having its bottom flange thickened toward the side flange thereof and formed at the base of said side flange with a longitudinally directed channel, and a locking bar slidably received in said channel and cut away longitudinally throughout the major portion of its length to define a flat locking face engaging said nuts locking the nuts against rotation as well as to define a vertical stop shoulder at one end of said face abutting one of said nuts and limiting the bar against forward endwise movement lying substantially flush at its ends with said plate, the bar being provided at its shouldered end with a downturned handle overhanging the adjacent end of said plate.

1,462,507. EMERGENCY CONTROLLER FOR ELEVATORS. ARTHUR J. JOHNSON, St. Paul, Minn., assignor to Standard Conveyor Company, a Corporation of Minnesota. Filed Mar. 15, 1921. Serial No. 452,582. 12 Claims. (Cl. 198—232.)

1. In combination with an elevator carrying a tray, a substantially vertical shaft revolubly supported on the elevator frame, arms mounted on said frame and projecting into the path of said tray, gearing connecting said arms

with said shaft, an arm connected with said shaft and arranged to be moved horizontally over a discharge station



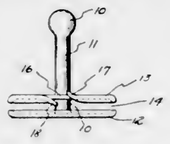
of said elevator and a switch adapted to be actuated when the motion of said arm is arrested by an obstacle on said discharge station.

1,462,508. BUFFER CHECK FOR LOOM PICKERS. JOSEPH JOHN KURTZ, Shamokin, Pa. Filed Aug. 1, 1922. Serial No. 578,872. 4 Claims. (Cl. 139—167.)



4. A buffer for use in connection with loom-pickers, said buffer comprising a hollow leg and a shoulder, said leg adapted to be attached to a recoil member, the cross-sectional shape of the buffer being substantially the same as the cross-sectional shape of a standard picker.

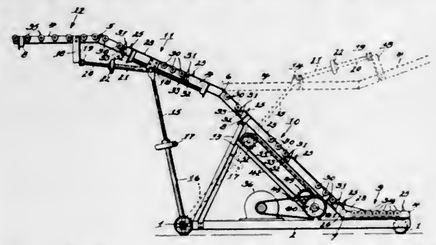
1,462,509. SECURE COLLAR BUTTON. FRANK XAVIER LIST, New York, N. Y. Filed Oct. 24, 1922. Serial No. 596,689. 2 Claims. (Cl. 24—90.5.)



1. A device of the class described comprising an upper and lower disk rigidly united in spaced-apart relation, said uper disk having an eccentric circular cut-out therein, a shank on said upper disk adapted to pass thru a button hole, and means for guiding said button hole slit thru the cut-out into the space between the disks.

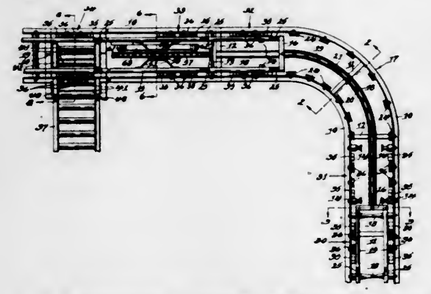
1,462,510. RECIPROCATING CONVEYER. CHARLES H. LISTER, North St. Paul, Minn., assignor to Standard Conveyor Company, a Corporation of Minnesota. Filed Nov. 21, 1921. Serial No. 516,619. 11 Claims. (Cl. 198—225.)

1. In a reciprocating conveyer, spaced guide rails, supports for said rails, a carrier movable longitudinally on said rails, means for imparting reciprocating motion to said carrier, push lugs tiltably mounted on said carrier,



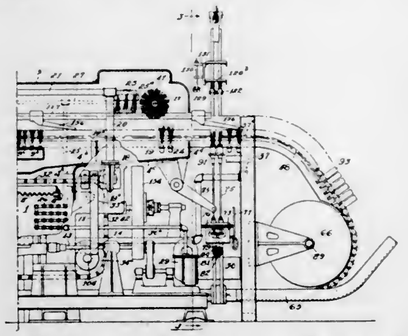
spaced rest stations on said rails and means for causing said push lugs to normally project to engage packages on said carrier and rest stations.

1,462,511. RECIPROCATING CONVEYER SYSTEM. CHARLES H. LISTER, North St. Paul, Minn. Filed Aug. 18, 1922. Serial No. 582,653. 12 Claims. (Cl. 198—218.)



1. In a reciprocating conveyer, parallel side rails, rollers mounted on said rails, rigid carriers supported on said rollers, said carriers being arranged to receive packages to be conveyed on their upper surfaces, elevated rest stations arranged at intervals on said rails to freely support packages above said carriers, means projecting from said carriers to engage packages on said rest stations, and means for imparting reciprocating movement to said carriers and thereby advance packages in step by step movement from one of said rest stations to another.

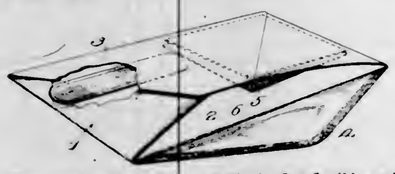
1,462,512. BOTTLE-CLEANING APPARATUS. CHARLES H. LOEW and JOHN R. GRUETTER, Lakewood, Ohio. Filed May 9, 1918. Serial No. 233,431. 6 Claims. (Cl. 15—60.)



4. In an apparatus of the character described, the combination, with a bottle carrier and means for moving the

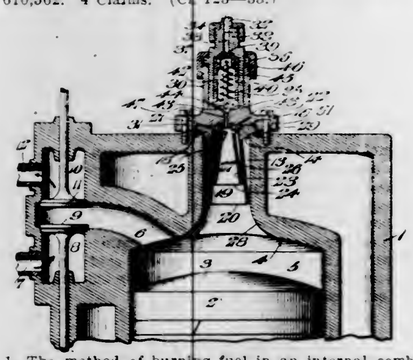
same intermittently, of a series of brush spindles for the bottles on said carrier, a support for said spindles, a series of sleeves adapted to surround and enclose the brushes of said spindles and interposed between the spindle support and the bottle carrier, a rock shaft, means for rocking the same, an arm operated by said shaft and having an angularly disposed slot therein one branch whereof is curved with said shaft, a stud connected with the spindle support and projecting into said slot, and a connection between said arm and said sleeves.

1,462,513. NOVELTY ENVELOPE. WILLIAM E. LOVER, Findlay, Ohio. Filed July 2, 1918, Serial No. 243,036. Renewed Dec. 11, 1920. Serial No. 430,043. 2 Claims. (Cl. 229—68.)



1. The combination with a relatively flat flexible walled receptacle, closed except for an open mouth, of a sheet of [illegible]nery cloth or paper secured upon the inner faces of the front and back of the receptacle, the sheets opposing each other.

1,462,514. METHOD OF BURNING FUEL OIL IN INTERNAL-COMBUSTION ENGINES. EDWARD L. LOWE, Palo Alto, Calif. Filed Jan. 4, 1923. Serial No. 610,562. 4 Claims. (Cl. 123—33.)



1. The method of burning fuel in an internal combustion engine, which consists in introducing the fuel into a chamber in communication with the working space of an engine cylinder and containing compressed air, independently heating a volume of compressed air in free communication with the intake and discharge ends of said chamber, segregating the lighter particles of the fuel, utilizing said independently heated volume of compressed air to ignite said segregated lighter particles of fuel, and permitting the ignited fuel to expand into the working space of the engine cylinder.

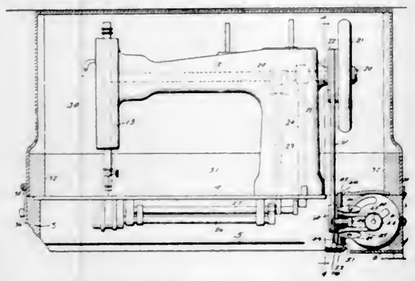
1,462,515. HOSPITAL GOWN. ELIZABETH MCELROY, Jacksonville, Fla. Filed Aug. 9, 1920. Serial No. 402,291. 1 Claim. (Cl. 2—145.)

An operating gown, said gown comprising two elongated similarly shaped sections adapted to extend around the opposite sides of a patient, the outer and inner vertical sides of the sections being provided with fastening means positioned whereby when the sections are extended around the opposite sides of a person the fastening means of the sections will be centrally disposed in relation to the center of the back and the front of the person, thereby allowing the sections to be connected together in the above mentioned positions and allowing the formation of pajamas by closing the leg portions of the sections, belt sections carried by the elongated sections, the upper ends



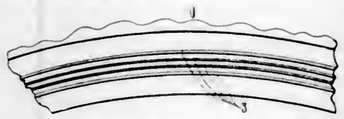
of the elongated sections being bifurcated to a point adjacent the belt and substantialy equidistant from the sides of the sections, said sections being proportioned whereby the bifurcations will register with the sides of the person and the arms when the sections are positioned on the opposite sides of the person.

1,462,516. MOTOR DRIVE FOR SEWING MACHINES. ARTHUR T. MACE, East Cleveland, Ohio, assignor to The Domestic Electric Company, Cleveland, Ohio, a Corporation of Ohio. Filed Feb. 27, 1919. Serial No. 279,474. 8 Claims. (Cl. 112—220.)



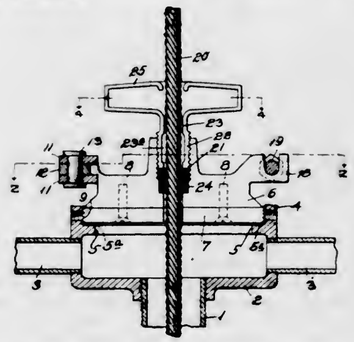
1. In a portable sewing machine having an operating shaft, the combination of a sewing machine frame having a hollow base portion, a motor secured within the base portion and enclosed by an end extension thereof, power transmitting means extending from the hollow base portion to the operating shaft, and driving means connecting the motor and the power transmitting means including an intermediate speed reduction means interposed therebetween and completely enclosed by the base.

1,462,517. TIRE BEAD AND METHOD OF MAKING THE SAME. MELVON A. MARQUETTE, Chicopee Falls, Mass., assignor to The Fisk Rubber Company, Chicopee Falls, Mass., a Corporation of Massachusetts. Filed July 6, 1920, Serial No. 394,230. Renewed Jan. 9, 1923. 16 Claims. (Cl. 18—53.)



1. A cord or fabric tire casing having bead edges covered by the laminations of its rubber-coated carcass material, said material carrying substantially less rubber coating around the beads than in the side walls and tread of the casing.

1,462,518. OIL SAVER. CLARK F. RIGBY, Butler, Pa. Filed Sept. 24, 1919. Serial No. 325,987. 4 Claims. (Cl. 286—16.)



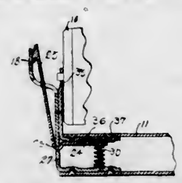
1. In a well closure device, a packing chamber, a vertically divided screw member adapted to compress packing in said chamber and having a vertical passage for a well cable and substantially horizontal, internal recesses for lubricant adjacent said passage.

1,462,519. HOLLOW STEM SUCTION VALVE. PAUL R. ROTHE, Chicago, Ill. Filed Feb. 7, 1921. Serial No. 443,160. 3 Claims. (Cl. 251—144.)



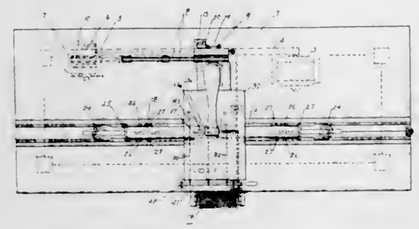
1. A device of the character described comprising a valve casing having a plurality of radially extending openings through the side wall thereof, a tubular valve slidably disposed in said casing, a spring for normally elevating said valve in said casing to close the radial openings in said casing and to close the mouth of said casing, said valve being formed with a plurality of openings in its side wall and adapted to permit the passage of a fluid therethrough when said valve is forced downwardly against the action of said spring and the mouth of said casing opened.

1,462,520. SPOOL-BEARING BRACKET FOR YARN-TUBE FRAMES. EPPA H. RYON, Waltham, Mass., assignor to Crompton & Knowles Loom Works, a Corporation of Massachusetts. Filed June 30, 1922. Serial No. 571,853. 9 Claims. (Cl. 139—10.)



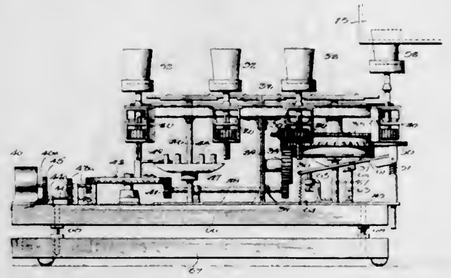
9. In a loom, a pattern chain, a supporting tube, a spool bearing bracket secured thereto, a substantially rigid chain engaging hook pivotally mounted on said bracket and extending within the tube, and means to force said hook yieldingly outward.

1,462,521. STITCHING MECHANISM. LAURENCE SARTORE, Pittsburgh, Pa., assignor of one-half to Decimo Foglia, Pittsburgh, Pa. Filed Feb. 19, 1921. Serial No. 446,502. 10 Claims. (Cl. 112—2.)



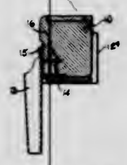
1. Mechanism for stitching sausage skins and the like while in a moist condition which consists in a stitching element proper comprising a pair of spaced needles, a carriage movable in a line beneath said needles, and means on said carriage arranged to engage and support a section of sausage skin solely along the longitudinal edges thereof in such position as to subject the same adjacent the longitudinal edges thereof to the stitching action of the needles.

1,462,522. GLASS FINISHING AND POLISHING MACHINE. GROVER CLEVELAND SCOTT, Watson, W. Va. Filed June 20, 1921. Serial No. 478,854. 10 Claims. (Cl. 49—1.)



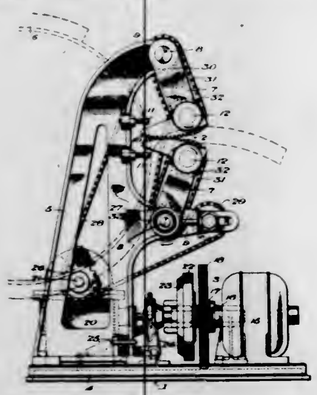
8. A machine of the character described including a table, a carrier movable around and upon the table, upright shafts, one of which is rotatable, carrier actuating members on the shafts, a gear wheel loose on the other shaft, means for intermittently rotating the first shaft and thus moving the carrier, means for constantly rotating said gear, a vertically shiftable member adjacent to the gear, a cam rotating with the gear for actuating said shiftable member, a plurality of glass holders each having a stem movable with the carrier above said shifting member, and a gear splined on the stem and engageable with the first named gear, and a frame on the carrier for each holder, in which the holder stem is journaled to rotate and shift vertically, and in which the gear of said stem is freely rotatable and confined against vertical shifting movement with the stem, and a vertically adjustable support for said mechanism consisting of a platform on which the mechanism is mounted, and a base with which the platform is adjustably associated.

1,462,523. YARN-TUBE FRAME. JOHN G. SODERBERG, Worcester, Mass., assignor to Crompton & Knowles Loom Works, a Corporation of Massachusetts. Filed Mar. 6, 1922. Serial No. 541,278. 1 Claim. (Cl. 139—10.)



A yarn tube frame comprising a bar having a longitudinally extended depressed portion, a sheet metal strip secured to said bar in said depressed portion, and a plurality of yarn tubes fixed to said strip, said metal strip having an integral longitudinally extended corrugated rib displaced outwardly from its surface adjacent the upper ends of said yarn tubes and protecting the ends thereof, the tube supporting portion of said strip and the longitudinally ribbed portion thereof being disposed entirely in said depressed portion of said bar.

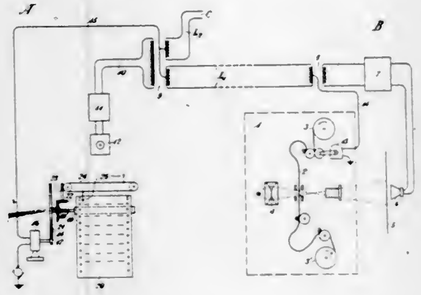
1,462,524. TIRE-STRIPPING APPARATUS. WILLIAM C. STEVENS, Akron, Ohio, assignor to The Firestone Tire and Rubber Company, Akron, Ohio, a Corporation of Ohio. Filed Feb. 16, 1922. Serial No. 536,381. 16 Claims. (Cl. 154—9.)



11. Apparatus for stripping the rubber portion of solid tires from their metal rims, comprising, a support, a pair of vertically arranged superposed brackets having their respective ends journaled respectively thereon and their adjacent free ends adapted to oscillate respectively in reverse arcuate paths, toothed segments connecting the adjacent ends of the brackets for simultaneous oscillation, adjustable stops upon the support for limiting the movement of the brackets in one direction, a fluted roller mounted upon the free end of each bracket for rotation about an axis parallel with the journaled axis thereof, a second roller mounted for rotation about the journal axis of the lower bracket, and means for rotating the fluted rollers.

1,462,525. ARRANGEMENT FOR PRODUCING COMPLEMENTARY VISUAL AND AUDIBLE EXHIBITIONS. GEORGE K. THOMPSON, Maplewood, N. J., assignor to American Telephone and Telegraph Company, a Corporation of New York. Filed Apr. 11, 1922. Serial No. 551,743. 5 Claims. (Cl. 179—4.)

1. An arrangement for simultaneously producing visual and audible exhibitions comprising a plurality of branch stations having telephonic apparatus and motion picture apparatus thereat, and a master station including means for regulating the operation of the moving picture



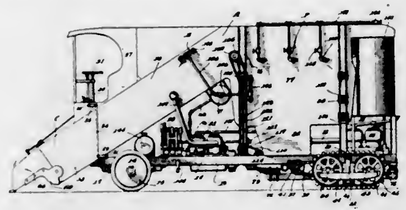
apparatus at said branch stations, transmitting means cooperating with the telephone apparatus at said branch stations, and means controlled by said regulating means for directing the operation of said transmitting means.

1,462,526. COMPOSITE RINGER SET. JOHN F. TOOMEY, New York, and WILLIAM H. HARRISON, Hollis, N. Y., assignors to American Telephone and Telegraph Company, a Corporation of New York. Filed Dec. 31, 1920. Serial No. 434,279. 5 Claims. (Cl. 179—4.)

1. A transmission line, a bridge across said line including switching means, composite ringer apparatus including ringing responsive relays associated with said bridge over the contacts of said switching means, a testing apparatus adapted to be associated with said switching means, said testing apparatus comprising a testing circuit including a source of ringing current, a plurality of relays and a variable resistance network, and a control circuit including a plurality of keys and adapted to be associated with said testing circuit, said keys controlling said relay means in said testing circuit and said relay means controlling said variable resistance network and the application of ringing current from said source to said testing circuit whereby the amount of ringing current applied from said testing circuit to said composite ringer apparatus may be varied.

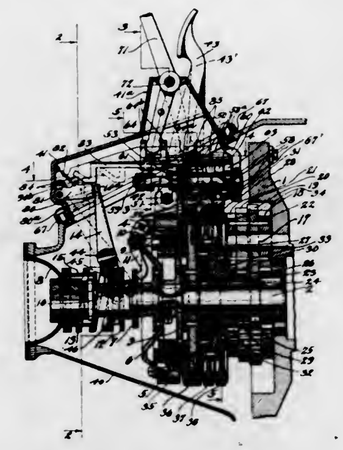
1,462,527. SNOW REMOVER. MARKS JOSEPH TULLY, Brooklyn, N. Y. Filed June 11, 1920. Serial No. 388,285. 9 Claims. (Cl. 37—12.)

1. In a snow removing machine, a plow, an endless inclined conveyor arranged in rear of the plow, superposed conveyors arranged in rear of the first mentioned conveyor, means for spraying the snow with water to



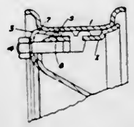
reduce the same to a slush, and means for acting on the snow in rear of the water spraying device.

1,462,528. VARIABLE-SPEED TRANSMISSION GEAR. JAMES H. WATSON, Riverton, Wyo., assignor of one-half to F. Chatterton, Riverton, Wyo. Filed June 3, 1922. Serial No. 565,514. 20 Claims. (Cl. 74—34.)



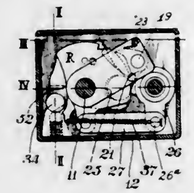
1. In a variable speed transmission gearing, the combination with a driving member, of a driven member, a clutch connection, multiple speed planetary gearing between the members, selective means controlling the planetary gearing, and means acting independent of the selective means for automatically locking the clutch in an open position when the planetary gearing is in operation.

1,462,529. MEANS FOR SECURING REMOVABLE RIMS. JOHN R. WINTER, Lansing, Mich. Filed Jan. 10, 1921. Serial No. 436,111. 7 Claims. (Cl. 301—22.)



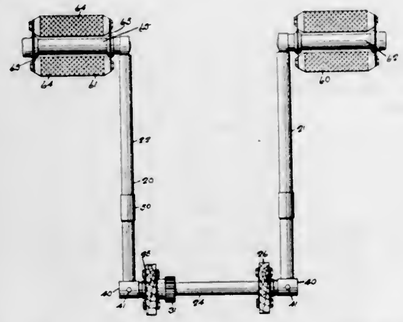
1. In a device of the character described, a locking ring adapted to extend circumferentially of the wheel and provided with an inwardly extending flange adapted to contact at its outer surface with the rim of the wheel and at its inner with the felly, a part of the flange extending outwardly of the felly in spaced relation therewith, and the inner edge portion of said ring being adapted to contact with the felly.

1,462,530. GEAR-SHIFT MECHANISM. JAMES S. ALSPAUGH, Portsmouth, Ohio. Filed July 5, 1922. Serial No. 572,994. 9 Claims. (Cl. 74—58.)



1. In a motor vehicle having a foot lever and a gear shift rod, means for reciprocating said gear shift rod comprising, in combination, a rock shaft having means for engaging said gear shift rod, a pair of levers connected together and to said rock shaft to cause a back and forth motion of said rock shaft when said levers are alternately and successively moved in the same direction, means operated by the foot lever for imparting such movements to said levers and a selector plate on said rock shaft cooperating with said levers and means for controlling the operation of the selector plate to cause the shifting of snid levers from shifted to neutral position by successive operations of the foot lever.

1,462,531. RUDDER CONTROL. MILTON C. BAUMANN, Dayton, Ohio, assignor to Dayton-Wright Company, Dayton, Ohio, a Corporation of Delaware. Filed Aug. 23, 1920. Serial No. 405,391. 9 Claims. (Cl. 244—29.)

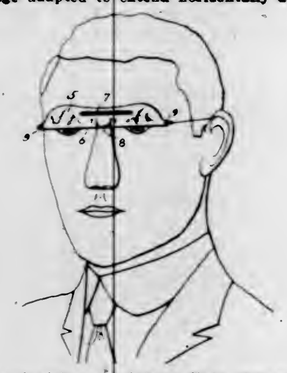


1. In an aeroplane, a rudder control comprising a pair of operating levers substantially in lateral alignment for normal rudder position; a pivotal mounting for each lever; and means positively interconnecting said levers and permitting the adjustment of the position of both levers relative to the operator's seat, whereby the lateral alignment in the new position, for normal rudder position, is retained.

1,462,532. NONGLARE EYESHIELD. FRED W. BONNER, Pottstown, Pa. Filed Feb. 23, 1922. Serial No. 538,449. 2 Claims. (Cl. 2—149.)

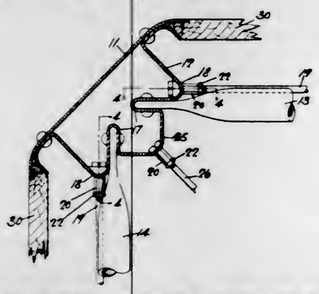
1. As a new article of manufacture, a non-glare eye shield formed from flat sheet material with a vertical

non-glare eye-shield wall having a straight-line bottom marginal edge adapted to extend horizontally across the



medial line of vision, an intermediate reversely-bulged nose-rest portion, and end portions adapted for head-support connections.

1,462,533. FUSELAGE CONSTRUCTION FOR AIRCRAFT. VIRGINIUS E. CLARK, Dayton, Ohio, assignor to Dayton-Wright Company, Dayton, Ohio, a Corporation of Delaware. Filed Feb. 4, 1922. Serial No. 534,228. 8 Claims. (Cl. 244—30.)



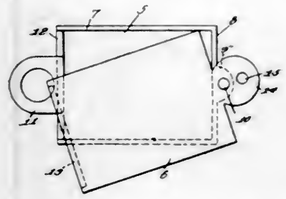
7. A fuselage frame for aircraft comprising: longerons built up from sheet metal; a plurality of struts and diagonal tie members connecting said longerons in such a manner as to form trusses, said diagonal tie members being attached to said longerons at the tips of salient bends in said longerons.

1,462,534. ARCH SUPPORTER. MICHAEL J. CONDYLIS and JESSIE C. CLARKE, Louisville, Ky. Filed June 14, 1921. Serial No. 477,476. 4 Claims. (Cl. 128—166.)



1. In an arch supporter, the combination of a soft, pliable, non-elastic support for the concave of the arch with an elastic webbing of substantial width throughout engaging the non-elastic support on each side and adapted to extend over the arch, with straps, one to adjust the tension of the support vertically and the other adapted to extend back of the heel to hold the supporter in place.

1,462,535. STAMP CONTAINER. LUCILLE COX, Chicago, Ill. Filed Nov. 5, 1921. Serial No. 513,063. 1 Claim. (Cl. 206—39.)



In a container, opposed sections pivotally connected, one of said sections having a tongue disposed at one end thereof and located intermediate the side edges thereof and having a cut out portion formed at its opposite end between the side walls thereof, the opposite section having a flange depending from the under surface thereof, said flange being of a width to fit within the cut out portion of the opposed section, the ends of said flange adapted to contact with the end walls of the cut out portion to lock the sections together.

1,462,536. COLORED ARTICLE. NICOLAS V. DE LIPSKI, New York, N. Y., assignor of one-half to Elaine Hale Phillips, New York, N. Y. Filed Dec. 10, 1920. Serial No. 429,830. 3 Claims. (Cl. 88—1.)

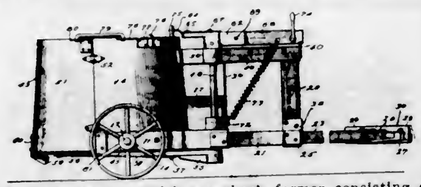
1. An article bearing surface decorations of a plurality of superimposed designs or pictures in colors and shades combined and overlapped, the coloration and shading of each of the designs or pictures being such that when combined with a given colored illumination said design or picture and cooperating parts of the other design or picture appears to the eye and undesired colors and shades constituting parts of other designs or pictures are neutralized or modified to accord with the design or picture appearing.

1,462,537. CHANGEABLE SCENIC EFFECT. NICOLAS V. DE LIPSKI, New York, N. Y., assignor of one-half to Elaine Hale Phillips, New York, N. Y. Filed Apr. 12, 1922. Serial No. 551,950. 4 Claims. (Cl. 46—70.)



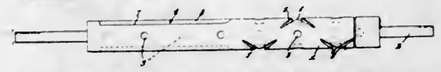
1. Scenery for stage settings comprising one scene painted in colors and superimposed shades of color to produce the visual effect of said scene in colors and hues when subjected to a colored light and a second scene painted in colors and superimposed shades of color combining with and overlapping the colors and shades of color of the other scene to harmonize and neutralize therewith in producing the visual effect of said second scene in colors and hues when the scenery is subjected to light of another color from that producing the first mentioned scene, the colors for the two scenes being so applied that each scene is distinctly visible to the eye independently of the other under the influence of the colored lights, respectively.

1,462,538. GRAIN SHOCKER FOR HARVESTER BINDERS. JOSEPH E. DERY, Edgeley, N. Dak. Filed Apr. 20, 1921. Serial No. 462,905. 9 Claims. (Cl. 56—401.)



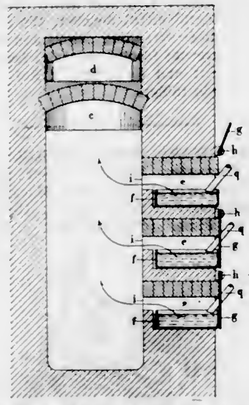
7. A shocker comprising a shock former consisting of a stationary front section and a movable rear section, a bearing carried by the former, a vertical shaft journaled in said bearing, a disk connected to the lower end of said shaft and adapted to constitute the bottom of the former, an operating lever secured to the shaft and having connection with the movable section of the former.

1,462,539. HUSKING ROLLS. FRED B. DUES, Minster, Ohio. Filed Apr. 17, 1922. Serial No. 553,474. 2 Claims. (Cl. 130—5.)



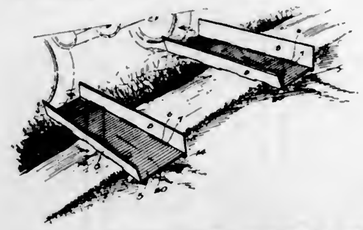
2. A husking roll having radial sockets, there being intersecting obliquely disposed grooves in the roll radiating from the sockets, the walls of the intersecting grooves forming angular projections at their points of intersection, said grooves decreasing in depth from the socket to their ends.

1,462,540. FURNACE. ALFRED FESTA, Paris, France. Filed Mar. 30, 1921. Serial No. 456,962. 2 Claims. (Cl. 158—4.) (Granted under the provisions of the act of Mar. 3, 1921, 41 Stat. L., 1313.)



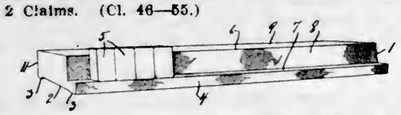
1. A regenerative heating apparatus including a masonry body, a furnace supported thereby, a flue supplying combustion air to the interior of the furnace, superposed compartments communicating with the exterior air and provided in the wall of the body, fuel receiving troughs located in said compartments, means to regulate the intake of external air into each of these compartments so as to produce only incomplete combustion of the fuel, another flue with which each of the compartments communicate separately and directly, said last mentioned flue being arranged so as not to communicate with the external air and being placed parallel to the flue supplying the combustion air and also emptying into the interior of the furnace, so as to carry thereinto the gasified product arising from the incomplete combustion of the fuel in the said compartments.

1,462,541. PORTABLE BRIDGE. RICHARD D. GALLAGHER, Bay St. Louis, Miss. Filed Apr. 13, 1923. Serial No. 631,895. 1 Claim. (Cl. 14—1.)



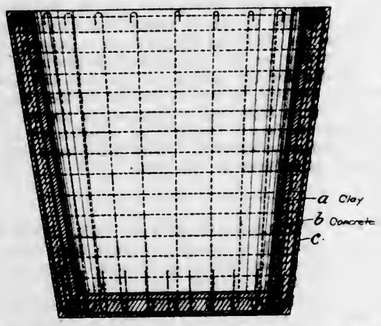
An emergency collapsible bridge comprising a metallic bottom wall having its longitudinal edges formed with spaced hinge barrels, side walls provided with spaced hinge barrels arranged between and in alignment with the first named hinge barrels, and hinge pins extending through said hinge barrels for hingedly connecting the side walls to the bottom wall, said side walls being provided with a plurality of inwardly curved lips adapted to flatly contact with the under side of the bottom wall to limit the outward swinging movement of the side walls and to effectively brace the bottom walls, the longitudinal edges of the bottom wall being formed with depending reinforcing beaded portions surrounded by said curved lips, said curved lips being of spring metal and adapted to closely embrace said depending beaded portions whereby to hold the side walls in an upright position.

1,462,542. RACK. WILLIAM A. HAMMOND, San Francisco, Calif. Filed Mar. 8, 1923. Serial No. 623,760. 2 Claims. (Cl. 46—55.)



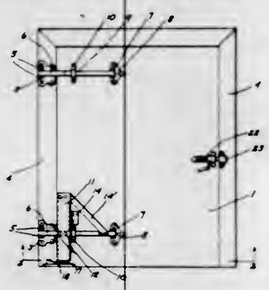
1. A rack for tiles of the character described, comprising an elongated block of material having an inclined frontal ledge and an inclined front face above the same allowing the tiles to rest on the ledge and the front face in a slightly reclined position and a back face substantially parallel to the front face allowing the rack to be turned on the same without disturbing the tile arrangement.

1,462,543. VESSEL. KARL GUSTAV HANHART, Ruschlikon, Switzerland, assignor to Farberei Weidmann A.-G., Thalwil, Switzerland. Filed Mar. 24, 1920. Serial No. 368,432. 1 Claim. (Cl. 72—14.)



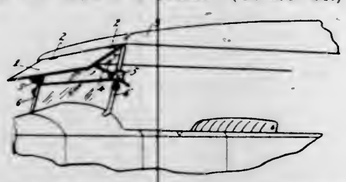
A large tank adapted to be highly heated from the interior and used in the chemical industry including a prepared inner vessel of calcined clay and an outer strong shell formed of reinforced concrete.

1,462,544. DOOR-CLOSING DEVICE. JULIUS HAUENSTEIN, Jersey City, N. J. Filed Jan. 25, 1922. Serial No. 531,636. 1 Claim. (Cl. 16—154.)



The combination with a door and its frame, of a closing device comprising a pair of hinge bars secured to the door, hinge plates secured to the frame, a pair of spaced horizontal ears extending from the frame plates, a vertical pin rigidly supported to extend between each pair of ears, the outer extremities of said bars extending beyond the door and being rotatably supported by said pins as axes, said hinge bars being adapted to rise and fall on said pins between each pair of ears during opening and closing, of the door, a channelled frame secured in vertical position to the lower hinge bar, a roller axially mounted at the lower end of said frame between the sides thereof and extending below the lower extremities of said frame, and an arcuate inclined cam track secured to the floor beneath the roller, said roller being adapted to engage the lower end of the cam track when closed and to ride upward on said track during opening of the door, the weight of the door causing said roller to descend said track when the opening force on the door has been released, to cause said door to close.

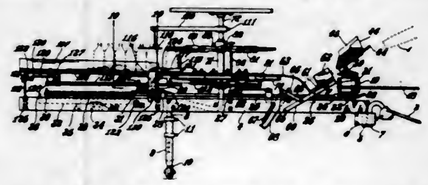
1,462,545. WINDSHIELD ATTACHMENT FOR AUTOMOBILES. HENRY HIGGIN, Newport, Ky., assignor to The Higgin Manufacturing Company, Newport, Ky., a Corporation of West Virginia. Filed Nov. 19, 1921. Serial No. 516,298. 2 Claims. (Cl. 296—95.)



1. In a glare guard attachment, the combination of a rod and a clamp, the clamp comprising clamp members, with means for clamping the same on a support, a bolt and nut carried by the clamp, the bolt having a transverse opening for the passage of the rod, and a clamp washer on the bolt to engage the rod to lock the same when the nut is tightened, a coupling for the rod to the glare guard to permit longitudinal rotation of the rod, with the rod provided with a longitudinal bend to permit of lateral adjustment of the clamp.

1,462,546. BOTTLE-HANDLING DEVICE. HANS HILLMANN, Alton, Ill., assignor to Illinois Glass Company, Alton, Ill., a Corporation of Illinois. Filed Apr. 30, 1919. Serial No. 293,887. 23 Claims. (Cl. 214—1.)

1. In a bottle handling device, the combination with a cooling table on which the bottles are adapted to rest for a definite period before being further handled, of an assembling table distinct from said cooling table and adapted to receive the bottles directly therefrom, means for delivering the bottles from a bottle forming machine to said cooling table, means cooperating with said cooling table adapted to vary the cooling period of the bottles thereon, and means for delivering the bottles from said cooling table directly to said assembling table.



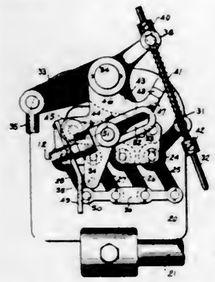
10. In a bottle handling device, the employment of a cooling table comprising, a carrier having bottle seats, a pair of adjustable supports, guides on each support adapted to engage the bottle necks, and means for adjusting said supports towards and from said carrier.

1,462,547. INTERCHANGEABLE-CHARACTER CONSTRUCTION. MICHAEL J. HOGAN, Chicago, Ill. Filed Dec. 12, 1921. Serial No. 521,582. 2 Claims. (Cl. 40—140.)



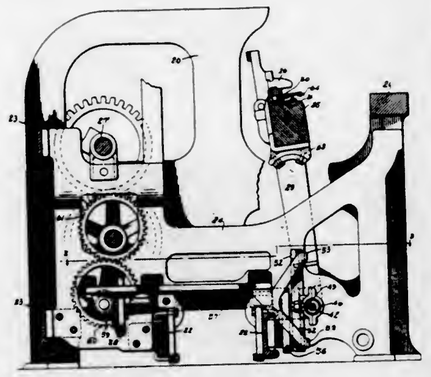
1. An interchangeable character construction, comprising a tablet having a slot therein, and a plurality of characters each having a book-like shank engageable in said slot, said tablet comprising an integral metal plate in which the slot is located, having a longitudinally extending lip overhanging a portion of said slot for retaining said hook-like shank, said slot being open on the front face of said integral metal member, the material of said integral metal plate extending across and closing the rear of said slot to prevent foreign material from entering said slot from the rear and to provide a finished appearance to the rear of said tablet.

1,462,548. WARP STOP MOTION. ELBRIDGE R. HOLMES, Worcester, Mass., assignor to Crompton & Knowles Loom Works, Worcester, Mass., a Corporation of Massachusetts. Filed Jan. 11, 1921. Serial No. 436,427. 5 Claims. (Cl. 139—92.)



1. A warp stop motion having, in combination, a plurality of drop wires, an actuator, loom stopping mechanism, and normally inoperative connections between said actuator and said stopping mechanism, said connections being rendered operative by a fallen drop wire and said stopping mechanism being thereafter actuated to stop the loom and to restore said connections to normal inoperative condition as the loom is stopped.

1,462,549. NARROW-WARE LOOM. ELBRIDGE R. HOLMES, Worcester, Mass., assignor to Crompton & Knowles Loom Works, Worcester, Mass., a Corporation of Massachusetts. Filed Jan. 17, 1921. Serial No. 437,693. 11 Claims. (Cl. 139—188.)

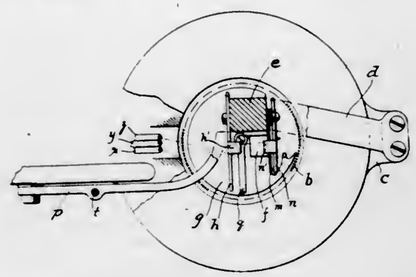


1. A narrow ware loom having in combination, a lay mounted to swing about a fixed axis, a rack bar mounted to slide longitudinally thereon, a member mounted for reciprocation along the axis of movement of the lay, and connections between said member and said bar, portions of said connections being substantially aligned with said axis and being movable along said axis.

1,462,550. BOILER-SCALE REMOVER. CHARLES H. HOPPE, Devils Lake, N. Dak. Filed June 4, 1921. Serial No. 475,160. 6 Claims. (Cl. 87—27.)

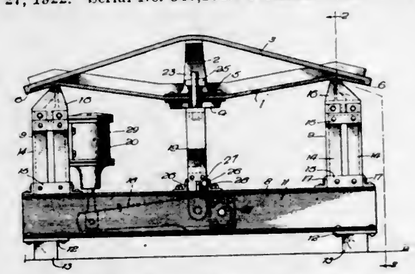
1. An antiscale compound, consisting of horn, sodium carbonate, calcium phosphate, and coal tar.

1,462,551. CIRCULAR-KNITTING MACHINE. WILBUR L. HOUSEMAN, Philadelphia, Pa., assignor to Standard Machine Company, Philadelphia, Pa., a Corporation of Pennsylvania. Filed May 3, 1922. Serial No. 558,147. 12 Claims. (Cl. 66—12.)



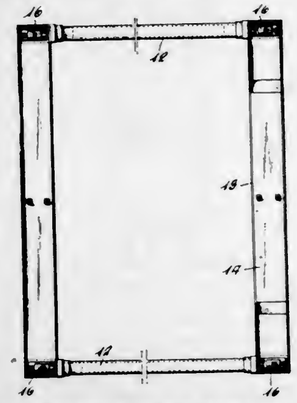
1. The combination with an oscillatable needle cylinder, a plurality of yarn guides, a clamp and a cutter, of a deflector so positioned that that portion of the floating end of cut yarn which is adjacent the fabric is carried, in the travel of the needle cylinder in one direction, beyond the deflector, the said deflector being adapted to engage said floating end in the reverse travel of the needle cylinder and draw it out of position to accidentally engage with the needles.

1,462,552. MACHINE FOR ASSEMBLING TRUSSES. CHARLES FRANCIS HUNTOON, Chicago, Ill. Filed Mar. 27, 1922. Serial No. 547,162. 3 Claims. (Cl. 29—84.)



1. A device of the class described comprising a base, a pair of supports on said base for supporting a compression member adjacent its ends, a lever pivotally mounted on said base, a link pivotally connected to said lever and arranged for attachment to the compression member intermediate its points of support, and mechanism arranged to shift said lever so as to draw said link for flexing the compression member, said link and base having coacting shoulders for limiting the movement of said link under the action of said mechanism.

1,462,553. GANG-SAW FRAME. OSCAR L. JOHNSON, Proctor, Vt., assignor to Vermont Marble Company, a Corporation of Vermont. Filed Sept. 5, 1922. Serial No. 586,182. 2 Claims. (Cl. 125—17.)

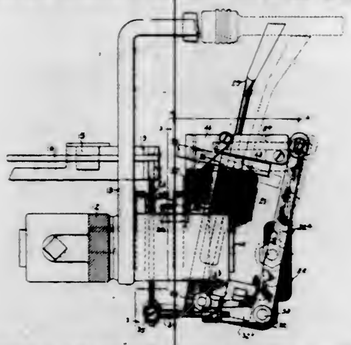


1. A gang saw frame for stone sawing machines having a head block consisting of channel bars spaced apart from each other and secured together and to the side bars of the frame, said channel bars being provided with reinforcing steel webs welded at their edges to the flanges of said channel bars.

1,462,554. WEFT-DETECTOR MECHANISM. CHARLES E. KNOWLTON, North Grafton, and EPPA H. RYON, Waltham, Mass., assignors to Crompton & Knowles Loom Works, Worcester, Mass., a Corporation of Massachusetts. Filed June 3, 1920. Serial No. 386,303. 3 Claims. (Cl. 139—242.)

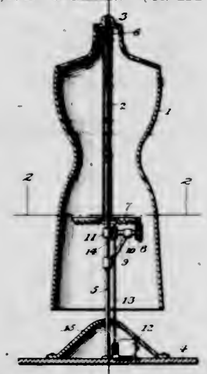
1. In a loom, a weft detecting mechanism comprising a stand, a weft detector mounted for both longitudinal and angular movement on said stand, a recessed link through which said detector extends, an actuator lever, a rod movable into and out of the path of said lever to render the latter operative or inoperative, and a bell crank to which said rod and said link are both directly connected, said

crank being mounted on said stand adjacent said detector and being movable in a horisontal plane through said link by said detector to move said rod across the path of



said actuator and thereby change the axis of movement of said actuator when said detector is moved angularly by engagement with a substantially exhausted weft carrier.

1,462,555. MODELING DRESS FORM. IGNATIUS F. KOBLINSKY, Saginaw, Mich. Filed Apr. 15, 1922. Serial No. 553,291. 3 Claims. (Cl. 211—13.)



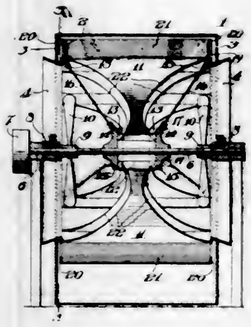
1. In a device of the class described comprising a base, a rod extending vertically from said base, a dress form, a tubular member carried by the upper end of said dress form and extending downwardly therein and adapted to be received upon the vertically extending rod, a gear carried by the lower end of said tubular member, a second gear carried by the said rod and meshing with the first mentioned gear, and means for rotating said gears and dress form.

1,462,556. DIE MOUNTING. CHARLES A. KROPP, River Forest, Ill., assignor of one-third to Alfred Nordstrom, Berwyn, Ill., and one-third to Roy A. Kropp, River Forest, Ill. Filed Feb. 10, 1922. Serial No. 535,483. 5 Claims. (Cl. 18—60.)



1. A die mounting comprising a body provided with a stem; a holder having a socket therein somewhat larger than said stem to permit direct insertion of said stem and lateral movement of said stem in said socket, the walls of said socket and the sides of said stem being arranged to engage with each other upon lateral movement of said stem in said socket; and means for securing said stem in said socket in interlocking relation with the walls thereof, substantially as described.

1,462,557. BLOWER OR SUCTION FAN. CHARLES A. KOENZEL, Jr., Bloomfield, Nebr. Filed Jan. 24, 1922. Serial No. 531,349. 6 Claims. (Cl. 230—11.)



1. In a device of the character stated, a rotary fan, comprising a fan shaft, hub brackets secured to said shaft, each of said brackets being provided with radial ribs juxtaposed to and facing each other, fan blades having their inner terminals secured to said shaft and to said ribs, outer rings to which the outer terminal edges of said fan blades are secured, outer radial arm brackets secured to said rings, and radial arms having their inner and outer ends secured to said hub brackets and outer brackets respectively.

1,462,558. SAFETY RAZOR. JOHN F. LEFFLER, Pittsburgh, Pa. Filed Aug. 9, 1922. Serial No. 580,662. 4 Claims. (Cl. 30—12.)

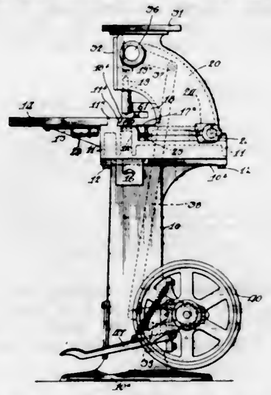


1. A safety razor comprising an integral blade holding and handle member having flanges along the side edges thereof, a blade provided with lugs arranged to engage in said flanges, a flexible guard on said blade holding and handle member, and a panel arranged to slide in the flanges of said blade holding and handle member for securing the razor blade in position therein.

1,462,559. PAPER-PUNCHING PRESS. ERNEST LESCHHORN, Chicago, Ill., assignor to Latham Machinery Company, a Corporation of Illinois. Filed May 5, 1921. Serial No. 466,916. 10 Claims. (Cl. 164—91.)

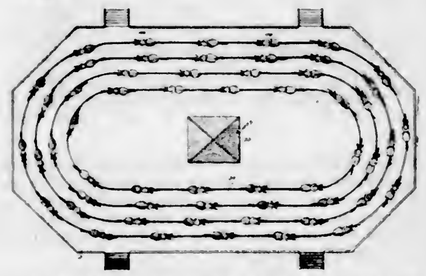
1. In a press for punching sheets of paper and the like, the combination with a movable ram, a punch block clamp comprising a fixed clamping jaw and a movably

mounted plate, a clamping jaw carried by said plate for co-operating with the first said clamping jaw, a rotatable



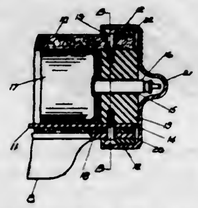
shaft adjacent said movably mounted plate, and an eccentric cam rotatable with said shaft and bearing directly on said plate.

1,462,560. MECHANICAL RACING COURSE. GEORGE LANGLUMÉ and EDWARD J. YBARZABAL, New Orleans, La. Filed Nov. 29, 1922. Serial No. 604,026. 3 Claims. (Cl. 104—61.)



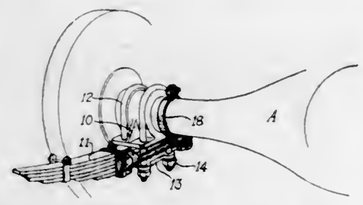
1. A carriage for use on mechanical race tracks comprising a pair of channel beams, a pair of wheels rotatably mounted at the end portions of the beams, and adapted to be mounted upon a single track, a standard having diverging attaching arms secured to said channel beams, a pair of brackets secured to said channel beams and having rollers adapted to engage guide members whereby to hold the carriage in vertical position, and means whereby to brace said standard.

1,462,561. AIR-CUSHION BUMPER FOR MOTOR VEHICLES. BRUNO LEWANDOWSKI, Los Angeles, Calif. Filed May 9, 1922. Serial No. 559,534. 2 Claims. (Cl. 293—55.)



1. In a bumper for automobiles, a bumper bar carried on the forward end of the automobile, an air cushion bumper resting against the forward side of said bar, a ring fitting over each end of said bumper and an end of said bar, means for securing said rings to said bumper and to said bar, and caps fitting over said rings and over the ends respectively of said bumper.

1,462,562. SPRING-OILING DEVICE. WILFRED G. MARTIN, Peoria, Ill. Filed Aug. 18, 1922. Serial No. 582,655. 6 Claims. (Cl. 184—1.)

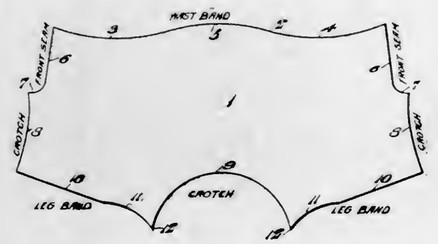


1. In a spring oiling device, including, in combination, a differential and axle housing, a spring member, and means, including connections between the differential housing and spring member, whereby oil in the differential is fed, due to the rotary action of the axle therein, to said spring member.

1,462,563. METHOD OF LUBRICATING RUBBER MOLDS. ARTHUR G. VOLTZ, Cleveland, Ohio. Filed Jan. 19, 1922. Serial No. 530,436. 5 Claims. (Cl. 18—53.)

1. The method of lubricating a rubber mold which includes the steps of preparing a mixture of stearin boiled in water, adding sodium borate, ammonia hydroxide and sodium chloride, and spraying the mixture upon the molding surfaces of the mold cavities prior to the filling of the mold cavities with rubber compound.

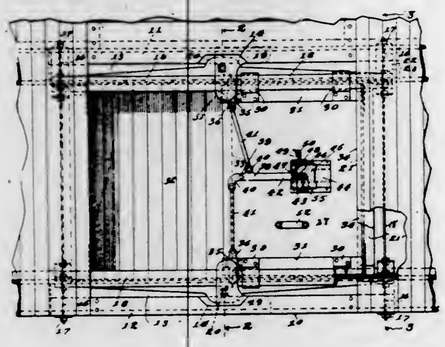
1,462,564. DRAWERS BLOOMERS FOR WOMEN. WILLIAM WEINER, Philadelphia, Pa. Filed July 13, 1922. Serial No. 574,610. 1 Claim. (Cl. 2—122.)



A woman's bloomers, comprising a blank of a single piece of material having an upper unbroken waistband edge composed of the central convex portion 5 and the outer uninterrupted concave portions 3 and 4, from the outer ends of which lead the downwardly diverging front seam edges 6, terminating in the outwardly curved portions 7 from which lead the slightly concaved outwardly diverging crotch seam edges 8, of substantially the same length as said edges 6, from which edges 8 lead the downwardly converging leg band seam edges 10, terminating in the slightly concaved portions 11 having the deeply concaved semicircular crotch seam edge 9, the central height of said blank between the top of said waist band and the inner portion of said crotch seam edge being substantially the same as the combined length

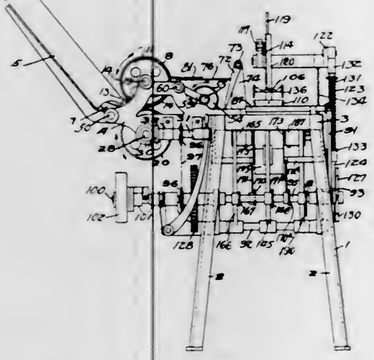
of the edges 6 and 8, whereby a bloomers is produced having a straight front and the requisite depth and fullness at the crotch and seat portions, and the leg bands are caused to encircle the wearer's limbs at points above the knees.

1,462,565. DOOR FOR FREIGHT CARS. LEE H. BANKS, Lacamp, La. Filed Mar. 3, 1922. Serial No. 540,948. 4 Claims. (Cl. 20—22.)



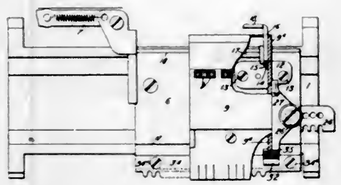
1. In combination, a car door frame having a sill and a girder, upper and lower tracks pivoted respectively to said sill and girder, a door slidably engaging said upper and lower tracks and supported and guided thereby, and yieldable connections between the car door frame and the said tracks.

1,462,566. PACKAGE FORMING MACHINE. FRANK E. BEAM, Toledo, Ohio, assignor, by direct and mesne assignments, to The Automat Molding and Folding Company, Toledo, Ohio, a Corporation of Ohio. Filed Dec. 2, 1920. Serial No. 427,664. 27 Claims. (Cl. 93—2.)



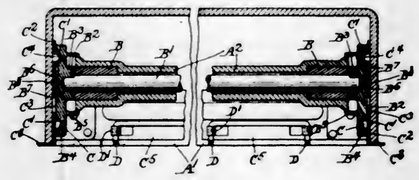
1. In a package forming machine, a shiftable member having a pair of fingers for receiving and folding the end side portions of the sheet material in which the object is wrapped against the ends of the object, a swinging member having fingers for folding the opposite side end portions of the sheet material against the ends of the object, a plunger having fingers for folding the top end portions of the sheet material against the ends of the object, and means for shifting the shiftable member towards the swinging member and to move the object and its enclosing wrapper to a point beneath the plunger.

1,462,567. CALCULATING MACHINE. ROBERT G. C. BOA, Herkimer, N. Y., assignor to Remington Accounting Machine Corporation, New York, N. Y., a Corporation of New York. Filed Nov. 10, 1922. Serial No. 599,959. 15 Claims. (Cl. 235—59.)



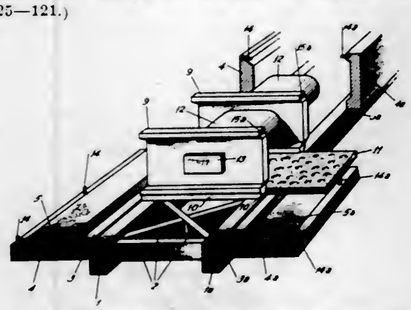
15. The combination with a totalizer and its carrier, of a holding plate having a notch in which to seat a side plate of said totalizer, and means for detachably interlocking said holding plate with said carrier.

1,462,568. BRUSH-ADJUSTING DEVICE FOR SUCTION CLEANERS. FRANCIS M. CASE, Cleveland, Ohio, assignor, by mesne assignments to The Hoover Company, North Canton, Ohio, a Corporation of Ohio. Filed July 26, 1917. Serial No. 182,870. 8 Claims. (Cl. 15—158.)



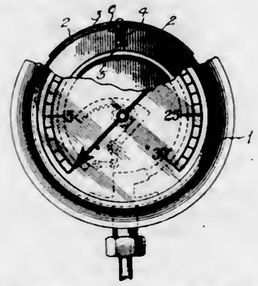
1. In a suction cleaner a brush, a shaft upon which it is rotatably mounted, an adjusting plate fixed on each end of the shaft, supports for said plates and means responsive to a rotation of said plates for changing the height of the brush said means comprising a cam groove and a member engaging it.

1,462,569. APPARATUS FOR MOLDING CEMENT BLOCKS. ALBERT FEDERICCI, Paterson, N. J., assignor to Henry C. Neuberger, New York, N. Y. Filed Aug. 25, 1920. Serial No. 405,902. 3 Claims. (Cl. 25—121.)



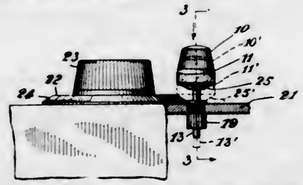
2. An apparatus for molding blocks embodying a rigid base or platform along the longitudinal edges of which are pivoted wings, each of which is adapted to cast one face of each of several blocks, a plurality of mold units positioned on the platform between the wings and forming partitions between successive blocks, one face of each partition having a male projection and the other face of each of said partitions having a complementary female depression, and a core member carried by each partition and of such length that its free end will abut the adjacent face of the next partition for the purpose of accurately spacing said partitions apart.

1,462,570. PRESSURE GAUGE. PHILO M. GELATT, La Crosse, Wis. Filed Oct. 8, 1917. Serial No. 195,255. 1 Claim. (Cl. 73—109.)



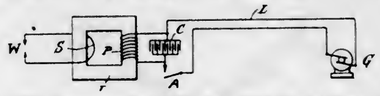
In pressure gauge construction wherein the gauge housing includes a peripheral wall having openings at its top separated by a bridge, means for maintaining the openings closed in the presence of pressure in the housing, said means being operative to open the housing upon excessive pressure therein, said means including a plate external of and overlying said openings, said plate having dimensions greater than the area of the openings and bridge, said plate having a stem extending through said bridge and having an internal head, and a spring carried by the stem and abutting said bridge and head.

1,462,571. DIAL-REVOLVING DEVICE. LOUIS H. FLERON, Trenton, N. J. Filed Feb. 15, 1923. Serial No. 619,326. 6 Claims. (Cl. 74—7.)



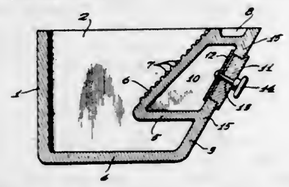
1. In a dial revolving device, in combination, a head, a shaft carried by the head, a loose sleeve carried by the shaft, means for preventing the sleeve from shaft displacement, a removable cap carried by the sleeve and means for retaining the head from contact with the sleeve.

1,462,572. CONDENSING WELDING CIRCUIT. JAMES H. GRAVELL, Elkins Park, Pa., assignor to Thomson Electric Welding Company, Boston, Mass., a Corporation of Massachusetts. Filed June 25, 1920. Serial No. 391,704. 2 Claims. (Cl. 172—246.)



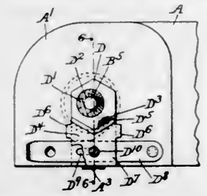
2. The combination with an electric heating transformer, of a booster connected across the terminals of the machine, a condenser connected to the booster and an operating or controlling switch on the line side of the booster as and for the purpose described.

1,462,573. WASHTUB. MAMIE HAGAMAN, Perth Amboy, N. J. Filed Aug. 10, 1921. Serial No. 491,079. 3 Claims. (Cl. 68—31.)



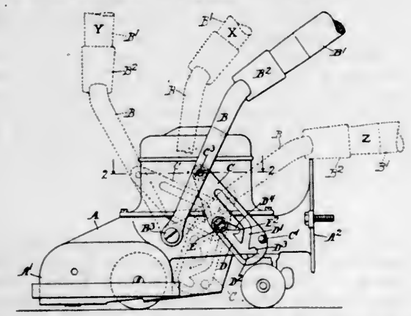
2. A wash tub having bottom, front, back and end walls, and a hollow imperforate box-like projection extending rearwardly from the inner upper portion of the face of the front wall and provided with an inclined rubbing surface on the rear side thereof, said box-like projection being of less width than the width of the front wall and of less depth than the depth of the tub, whereby said projection is spaced from the opposite ends of the tub and from the bottom of the tub.

1,462,574. SUCTION SWEEPER. HOWARD EARL HOOVER, Chicago, Ill., assignor, by mesne assignments, to The Hoover Company, North Canton, Ohio, a Corporation of Ohio. Filed Oct. 20, 1917. Serial No. 197,706. 7 Claims. (Cl. 15—158.)



1. In a suction cleaner the combination of a casing having an inlet slot and slotted ends with a rotatable brush means for adjusting and supporting said brush in the casing comprising blocks having a plurality of edge faces, said brush mounted within said blocks, at an unequal distance from each edge face thereof, said blocks adapted to slide in said end slots and means for holding them therein and preventing them from rotation while so held.

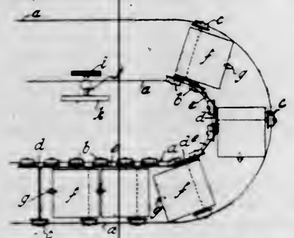
1,462,575. SUCTION-CLEANER ATTACHMENT. HOWARD EARL HOOVER, Chicago, Ill., assignor, by mesne assignments, to The Hoover Company, North Canton, Ohio, a Corporation of Ohio. Filed Aug. 16, 1920. Serial No. 403,766. 8 Claims. (Cl. 306—4.)



1. In a suction cleaner comprising a casing having a pivoted handle, the handle including a pivotally

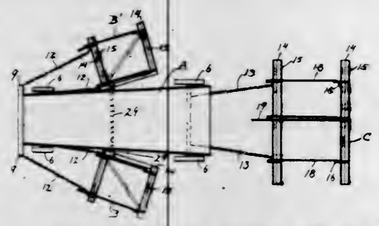
mounted member provided with a slot system the upper edges of which are uninterrupted and act as guideways, which system comprises a short slot, a long slot, and a connecting slot extending from the long slot to the underside of the short slot, and a member adapted to be received in said slot system, one member being mounted on said handle, the other member being mounted on said casing.

1,462,576. COKING OF COAL. STEWART ROY ILLINGWORTH, Brynfedwen, England, assignor to Illingworth Carbonization Company, Limited, Manchester, England. Filed Aug. 29, 1921. Serial No. 496,743. 15 Claims. (Cl. 202—8.)



1. The process of coking coal in which the coal is submitted to heat out of contact with air in order to destroy the non-coke producing substances in the coal but to leave 5% by weight of the resinic substances in the product in order to prevent expansion of the coke during the coking process and then coking the preheated coal at a temperature which does not exceed 500° C.

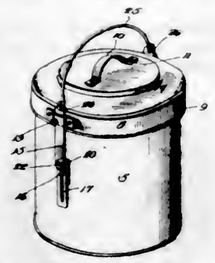
1,462,577. PORTABLE REVERSIBLE GRADE HONE OR ROAD LEVELER. SAMUEL B. JAMIESON, Marathon, N. Y. Filed Feb. 11, 1920. Serial No. 357,976. 1 Claim. (Cl. 37—152.)



In an arrangement of the character described, three manually adjustable grade hones, flexible attaching means associated with each of the hones, two of the hones being arranged opposite and in spaced relation to each other, the remaining hone being arranged rearwardly of the space between the first mentioned hones and an adjustable connection for maintaining the first mentioned hones in various positions in respect to each other including longitudinal perforated bars on the hones, a perforated connection bar, and means engaging the perforations adjacent the ends of the connecting bar and longitudinal perforated bars for maintaining the parts in substantially rigid positions of adjustment.

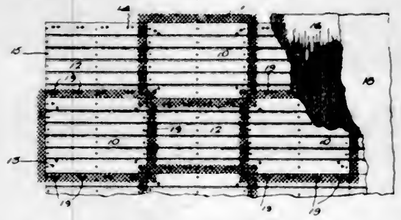
1,462,578. RECEPTACLE. JOHN KASHINSKY, Weehawken, N. J., assignor to New Jersey Can Company, Weehawken, N. J., a Corporation of New Jersey. Filed Mar. 23, 1920. Serial No. 368,075. Renewed May 12, 1923. 1 Claim. (Cl. 220—56.)

A receptacle having oppositely disposed headed studs extending laterally from the side wall thereof, a cover for the receptacle provided with a depending flange the lower edge of which is formed with an annular bead, horizontal straps secured to said annular flange above the bead at diametrically opposite points on the cover, arms extending through said straps and having their upper ends provided with apertures and their lower ends formed with slots receiving the adjacent studs, said arms having



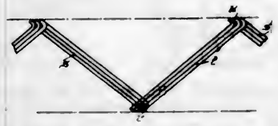
frictional contact with the annular bead for holding said arms against the inner faces of the straps whereby the cover is held in adjusted position with relation to the arms, and a bail having hooked terminals engaging the apertures in the arms, said hooked bail terminals by engagement with the upper edges of the straps forming stops for the cover to always maintain the same relation between the grip portion of the bail and said cover.

1,462,579. LATH. MERRILL E. ROBERTS, Pasadena, Calif. Filed Apr. 17, 1922. Serial No. 553,353. 2 Claims. (Cl. 72—32.)



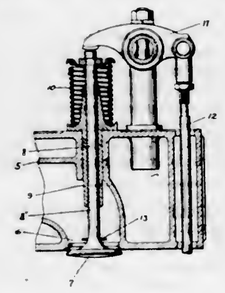
1. In a building construction, a plurality of reinforced composition laths, and a plurality of plain composition laths, said laths being arranged in juxtaposition, whereby the reinforcing elements of the first mentioned laths lap the adjacent plain laths, a sheet of water proof material covering one side of each lath, the opposite side of each lath having a plurality of grooves, and a plastic composition covering said laths and filling said grooves, and also interlocking said overlapped portions of the reinforcing elements of the adjacent lath.

1,462,580. METHOD OF MANUFACTURING ELECTRIC CONDUCTORS. REINHOLD RÜDENBERG, Berlin-Grunewald, and ADOLF FINCKBEIN, Charlottenburg, Germany, assignors to Siemens-Schuckertwerke Gesellschaft mit beschränkter Haftung, Siemenstadt, near Berlin, Germany, a German Corporation. Filed Dec. 27, 1920. Serial No. 433,453. 5 Claims. (Cl. 173—13.)



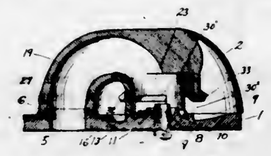
4. The method of producing multiple conductor bars, consisting in winding the constituent conductor elements separately as flat coils, stretching the windings of said coils apart until the desired pitch has been obtained and in nesting said stretched coil elements into each other to form the bar, the length of the short sides of said flat coils being suitably chosen to obtain the desired pitch of said sides relatively to the axis of the finished bar, and to cause the formation of a longitudinal channel inside of the finished bar.

1,462,581. VALVE-STEM CARBON REMOVER. ALBERT R. SCHMIDT, Milwaukee, Wis. Filed May 12, 1921. Serial No. 468,917. 5 Claims. (Cl. 123—188.)



1. The combination with an internal combustion engine having a valve provided with a guided stem, of a means for preventing the formation of carbon on the valve stem, consisting of a member loosely mounted on the stem between the valve portion and the stem guide and freely movable laterally and vertically thereon independently of the movement of the valve.

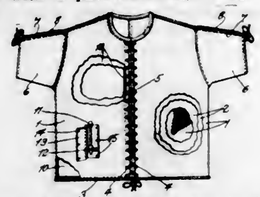
1,462,582. OIL BURNER. VACLAV F. SEDLAK, Kansas City, Mo. Filed Dec. 26, 1922. Serial No. 608,858. 4 Claims. (Cl. 158—91.)



1. An oil burner comprising a base having air inlet openings and a central oil inlet opening, a plurality of ring-shaped ribs concentric with the oil inlet opening, the ring-shaped ribs being of decreasing heights from the center toward the periphery of the base and forming relatively deep grooves or spaces between them, the top of the base being formed with a shallow concave portion, the surface of which will direct the flame radially, and an arch having inwardly converging, curved, tubular air conducting legs merging into a central air and vapor fuel chamber above the oil inlet in the base, the lower ends of the legs registering with the air inlet openings in the base, the lower edges of the mixing chamber having outwardly and downwardly disposed spaced flanges for directing the flame against the shallow concave portion of the base.

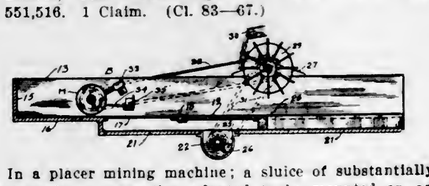
1,462,583. CHEST SPLINT. SELIG SIMON, St. Louis, Mo. Filed Aug. 12, 1922. Serial No. 581,392. 10 Claims. (Cl. 128—89.)

1. A chest splint of the character described, comprising a jacket composed of an outer covering and an inner lining and adapted to enclose the chest of the user, in combination with a pneumatic bag interposed between



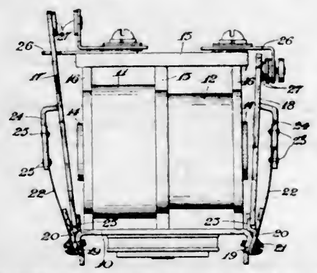
the outer covering and the lining, and an inflation and deflation tube passing through the outer covering and opening into the bag.

1,462,584. PLACER-MINING MACHINE. DAVID K. SMITH, Denver, Colo., assignor of one-half to John G. Kirschner and one-eighth to Leo C. Hollberg, both of Denver, Colo. Filed Apr. 11, 1922. Serial No. 551,516. 1 Claim. (Cl. 83—67.)



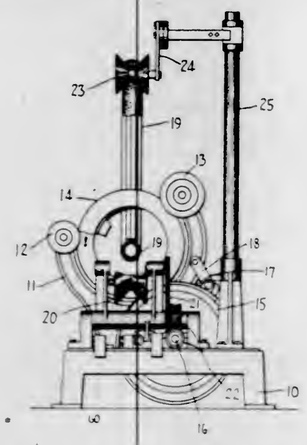
In a placer mining machine; a sluice of substantially rectangular cross-section adapted to be mounted on an incline; a rotatable magnetic separator near the upper end thereof; a screen in the bottom of the sluice slightly below the separator; a removable section in the bottom of the sluice below said screen; a waterwheel in the sluice directly below the removable bottom section power transmitting means connecting the water wheel to the separator whereby they will be forced to rotate in unison; a second sluice located directly below the first named sluice and adapted to receive the material that passes through the screen; an amalgamator in the second sluice, a second power transmitting means connecting the amalgamator brush shaft to the water wheel whereby the latter will rotate the former, said amalgamator being located directly below the removable section and a passageway from said second named sluice opening on one side thereof whereby the waste material from said second sluice will be discharged to one side thereof.

1,462,585. ARMATURE CONSTRUCTION. EDGAR M. SORENG, Milwaukee, Wis., assignor to Briggs & Stratton Company, Milwaukee, Wis., a Corporation of Wisconsin. Filed Nov. 24, 1917. Serial No. 203,789. 10 Claims. (Cl. 200—90.)



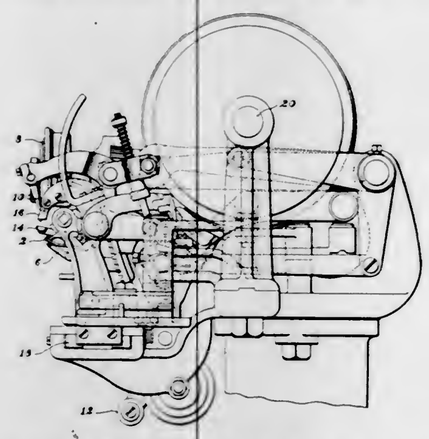
10. An armature construction, comprising an armature member, a magnet pole piece with an angularly bent end forming a bendable support, a bearing plate secured to the support and having arms bent therefrom to form open bearings for one end of the armature member, a spring secured to the support, a bendable tongue on the armature member secured to the spring, and a stop for the other end of the armature member.

1,462,586. SHUTTLE-BALANCING MECHANISM. EDWARD C. TAYLOR, Longmeadow, Mass., assignor to The Fisk Rubber Company, Chicopee Falls, Mass., a Corporation of Massachusetts. Filed Nov. 3, 1922. Serial No. 598,712. 14 Claims. (Cl. 242—6.)



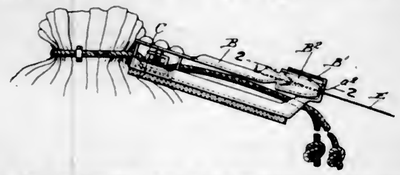
1. In a wrapping or winding machine, a rotatable member adapted to carry wrapping or winding material, and means responsive to the amount of material on the member for preserving the member in rotative balance.

1,462,587. LOCK-STITCH SEWING MACHINE. LAURENCE E. TOPHAM, Swampscott, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J., a Corporation of New Jersey. Filed July 11, 1919. Serial No. 310,245. 3 Claims. (Cl. 112—57.)



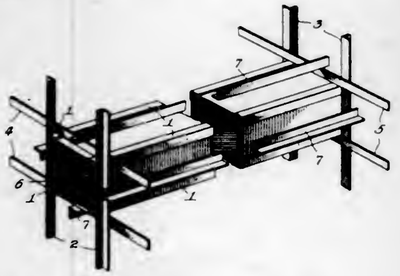
1. A lock stitch sewing machine having, in combination, a work feeding awl, a hook needle, a looper, a shuttle, a stitch setting take-up, means for actuating the awl to feed the work, means for causing the awl to enter the work after the needle withdraws with its loop of thread from the work and to withdraw from the work before the take-up takes up said loop and sets the stitch, and means for actuating the take-up to set the stitch after the awl has withdrawn and before the needle again enters the work.

1,462,588. SEAL LOCKING DEVICE. EMIL TYDEN, Evanston, Ill. Filed Mar. 23, 1921. Serial No. 454,758. 8 Claims. (Cl. 292—328.)



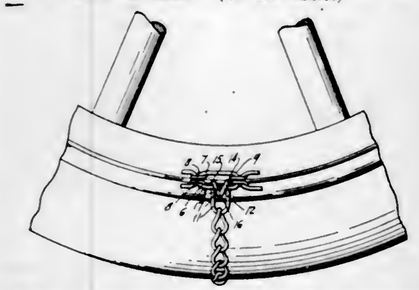
1. In combination with a permanent securing device designed to be sealed in locked position and having for that purpose a seal catch chamber; having apertures in two opposite walls for a sealing strip to be inserted entirely through the chamber, and a sealing strip adapted to be so inserted, and adapted to be ruptured outside the catch chamber at the side thereof through which it is entered, the casing and the strip having co-operating a spring finger and a catch shoulder adapted for engagement against withdrawal from the strip in the direction from which it enters the chamber.

1,462,589. APPARATUS FOR METAL-COATING WIRE, CHAIN, WOVEN-WIRE FENCING, AND THE LIKE. EDWARD L. WATROUS, deceased, late of El Paso, Tex., by Agnes B. Watrous, executrix, Evanston, Ill. Filed Sept. 20, 1919. Serial No. 325,255. 17 Claims. (Cl. 242—77.)



13. In galvanizing apparatus, a reel adapted to be placed on a rotatable spindle and comprising a barrel having walls of sheet material and longitudinally extending bars at the corners of the barrel, and spaced outwardly extending arms at each end of the barrel to confine material wound on the barrel.

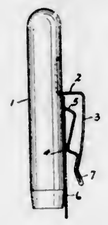
1,462,590. HOOK FOR TIRE CHAINS. CARL H. WIDSTRAND, Lakeside, Mich. Filed July 17, 1922. Serial No. 575,536. 1 Claim. (Cl. 24—230.5.)



Means for connecting a tread chain with a side chain, comprising a hook link consisting of a length of material doubled upon itself at its middle portion to provide

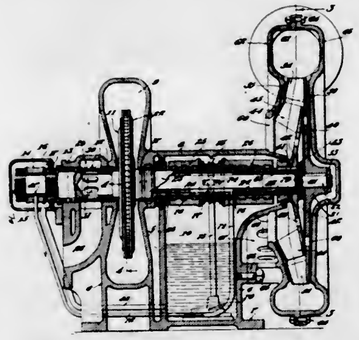
spaced arms, the end portions of said arms being returned upon the arms and inclining toward the same and in convergent relation with one another to form a bill, the distance between the under surface of the bill and the plane of the upper surfaces of the arms being less than the diameter of the material of which the side chain links are formed, the under surface of said bill being disposed at that side of the arms upon which the end portions of the arms are returned.

1,462,591. CLIP. GAMMEL ANDERSEN, Austin, Tex. Filed Apr. 17, 1922. Serial No. 554,165. 4 Claims. (Cl. 24—11.)



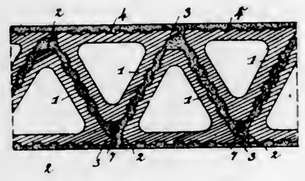
1. A clip formed of a single piece of spring material one end of which is formed for attachment to a pen or pencil, a section of said material being bent at right angles to the attached end and the free end of said piece of material being bent back under said bent over section and being formed with a shoulder and an engaging catch beyond said shoulder, which points toward said pen or pencil.

1,462,592. COUNTER-ROTATION TURBOBLOWER. OLIVER D. H. BENTLEY, Norfolk, Mass., assignor to B. F. Sturtevant Company, Hyde Park, Mass., a Corporation of Massachusetts. Filed July 16, 1920. Serial No. 396,716. 7 Claims. (Cl. 230—11.)



1. The combination with an elastic fluid turbine having rotors adapted to turn in opposite directions, and nozzles carried by one of the rotors, of a blower comprising two rotary members of different diameters provided with fan blades and adapted to turn in opposite directions, the member of greater diameter being directly connected with the rotor carrying the nozzles and the other member being directly connected with the other rotor.

1,462,593. HOLLOW BUILDING TILE. ERNST PHILIPP BERKES, Pfeddersheim, near Worms, on the Rhine, Germany. Filed Mar. 15, 1921. Serial No. 452,533. 7 Claims. (Cl. 72—66.)



1. A hollow block or tile free of undercuts triangular in cross section having an extension or beak at one apex edge provided with an open flute, said extension flush with one face and extending beyond the adjacent face the entire length of the tile.

1,462,594. SPOT TRIMMING FOR DRESSES. EDWARD CULOTTA, Richmond Hill, N. Y. Filed Feb. 18, 1922. Serial No. 537,613. 8 Claims. (Cl. 24—96.)



1. In a device of the character described, the combination with a backing plate having depending spurs for attaching to dress goods, and upstanding spurs spaced from its edge, of a plastic head conforming to said plate and in which said upstanding spurs are embedded.

1,462,595. SPOT TRIMMING FOR DRESSES. EDWARD CULOTTA, Richmond Hill, N. Y. Filed Feb. 18, 1922. Serial No. 537,614. 3 Claims. (Cl. 24—96.)



1. In a device of the character described, the combination with a backing plate having an opening therein, of a head of plastic material covering said plate and having an integral portion extending through said opening and underlying said plate, and means for fastening said plate to dress goods.

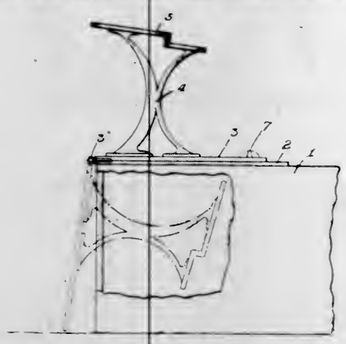
1,462,596. SLATE BRICK. EMIL P. ENGELBRECHT, Chicago, Ill. Filed May 25, 1921. Serial No. 472,573. 3 Claims. (Cl. 18—47.5.)

1. A process of manufacturing bricks and the like consisting in mixing with burned and granulated coal-mine slate a proportionately small amount of unslacked lime, in adding an amount of water sufficient to substantially slack the lime used, in grinding the mixture together until it forms a coherent mass, in pressing the ground mixture into proper shape under a pressure of from two to two and one-half tons per square inch, and in heating the pressed articles for about nine hours in a bath of steam under a pressure of about one hundred and twenty-five pounds.

1,462,597. FOOT REST. ALGOTT H. ENGMARK, Crawfordsville, Ind. Filed Aug. 2, 1920. Serial No. 400,808. 1 Claim. (Cl. 15—265.)

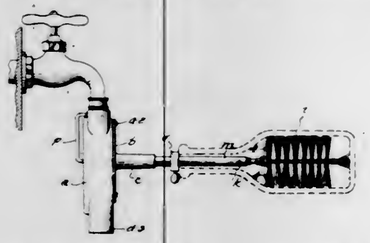
The combination with a stationary platform open under the front portion thereof and adapted to support a

customer, of a base plate secured upon and fixed relative to the platform, said base plate extending up to the front edge of the platform, a top plate hingedly connected to the base plate above the open front end of the platform, means for detachably engaging the free end portion of the top plate for fastening the top plate flat upon the base plate to hold them against relative move-



ment one upon the other, said top plate being normally extended longitudinally of the base plate, and a disappearing foot rest standard secured to the top plate, said top plate being movable from position upon the base plate to a hanging position in front of the platform and against one end of the base plate, with the standard projecting into and concealed within the open front portion of the platform.

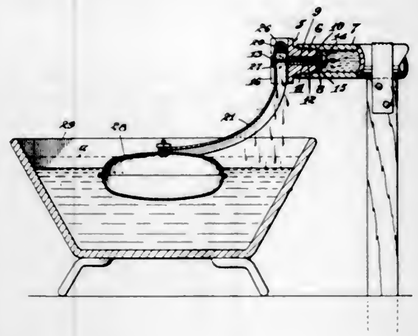
1,462,598. BOTTLE WASHING MACHINE. OTTO C. GRENZKE, Detroit, Mich. Filed July 18, 1921. Serial No. 485,703. 2 Claims. (Cl. 15—69.)



1. In a bottle washer, the combination with a water motor adapted to be attached to a water faucet, of a hollow drive shaft adapted to be rotated by said motor, a bottle cleaning brush at the outer end of said shaft, a water communicating by-pass leading from the water inlet to the interior of the hollow drive shaft, said shaft provided with a discharge outlet at the end adjacent the brush, a sleeve encircling said shaft longitudinally movable thereon, spring means normally holding said sleeve outwardly to close the discharge outlet from the shaft, a collar adjustable lengthwise on said sleeve, said collar adapted to engage the mouth of a bottle when the bottle is inserted over the brush and sleeve so that the sleeve may be moved longitudinally over the shaft against the resistance of the spring to uncover the discharge outlet from the shaft.

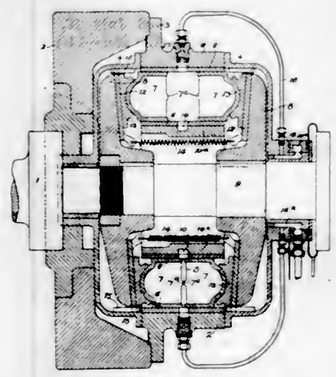
1,462,599. FLOAT-CONTROLLED VALVE. WILLIAM L. HAWES, Burbank, Calif. Filed June 20, 1921. Serial No. 478,892. 3 Claims. (Cl. 137—104.)

1. In a float controlled valve, a valve casing having a discharge passage, a valve seating on one end of said casing, a stem on which said valve is mounted projecting through the passage and terminating beyond the other end of the casing, a spring on said stem acting to normally maintain the valve closed to seal said discharge passage, an arm pivoted on said casing above the stem and extending downwardly to abut the stem having a



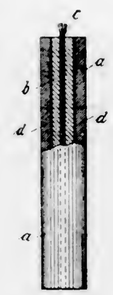
socket in which the end of the stem may seat to maintain the stem substantially on center when the arm abuts thereagainst, and a float on said arm adapted to be acted on by a liquid to raise the arm to permit the valve to close and tending to rock the arm downwardly to open the valve.

1,462,600. HYDRAULIC CLUTCH OR COUPLER. HENRY SELBY HELE-SHAW, London, England. Filed July 16, 1919. Serial No. 311,311. 9 Claims. (Cl. 192—59.) (Granted under the provisions of the act of Mar. 3, 1921, 41 Stat. L., 1313.)



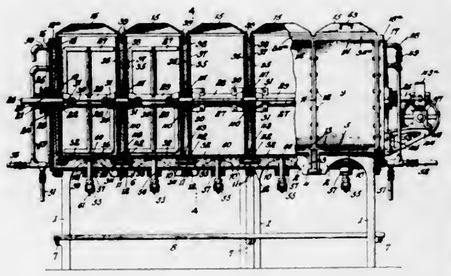
1. A hydraulic clutch consisting of one member comprising pistons, cylinders formed in a cylinder body in which said pistons operate, a closed circuit consisting of a passage in said cylinder body with which all said cylinders communicate so that movement of the piston in one cylinder involves movement of the piston in another, a valve slidable in said cylinder body across said passage for controlling the facility for circulation of the liquid in the closed circuit, an automatically operating valve for admitting liquid into the closed circuit whereby said circuit is maintained full under all working conditions, and a second member comprising a mechanism, corresponding to a crank for giving to the pistons the movement they would have if actuated through a connecting rod of infinite length, cooperating with the pistons, substantially as specified.

1,462,601. SEALING-WAX CANDLE. HUGO HOHMANN, Kopenick, near Berlin, Germany. Filed July 14, 1922. Serial No. 575,107. 1 Claim.. (Cl. 120—116.)



A sealing-wax candle consisting of a stick of sealing-wax, of a candle embedded in said stick and of a coating of said candle consisting of a substance which melts only at high temperatures.

1,462,602. CHOCOLATE MIXING AND MELTING MACHINE. OTTO A. LABUS, Wisconsin Rapids, and CHARLES H. PETH, Wausau, Wis.; said Labus assignor to American Carbonic Machinery Company, Wisconsin Rapids, Wis. Filed June 30, 1921. Serial No. 481,550. 16 Claims. (Cl. 257—84.)

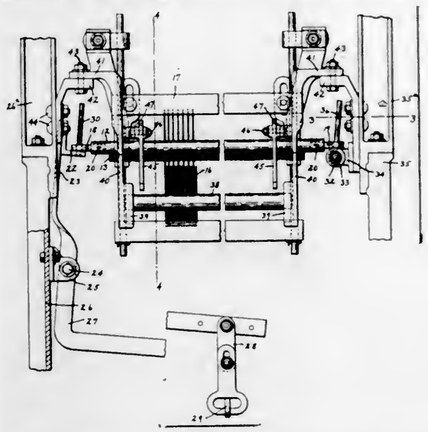


5. In a mixing machine, a plurality of spaced hollow sections of a water jacket, a shaft journaled centrally of said sections, paddles mounted on the shaft between said sections, inner casings secured to and between consecutive sections of the water jacket, outer casings secured together and surrounding the inner casing to form with the inner casing and the sections of the water jacket a jacket common to the whole device, the inner casings and alternate sections of the jacket forming individual mixers.

1,462,603. LOOM. CHARLES F. LAVALLE, Newmarket, N. H. Filed Jan. 31, 1922. Serial No. 533,077. 6 Claims. (Cl. 139—50.)

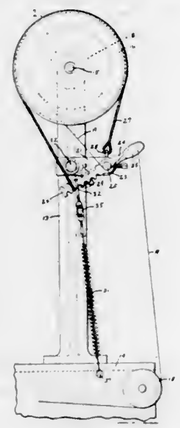
1. A loom comprising a marquisette comb having downwardly facing end portions, a pair of rests loosely supporting said end portions, the comb being freely mov

able upwardly to separate it from said rests, means being provided for preventing separation of the comb from the



rests by movements of the comb in other directions, and means for operating one of said rests to reciprocate the comb.

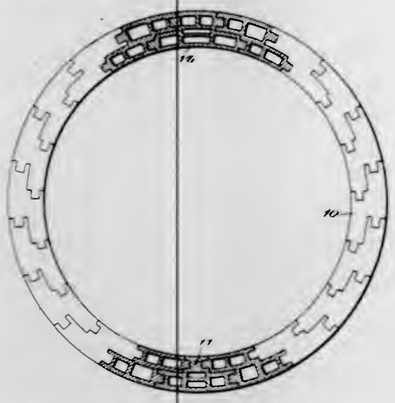
1,462,604. TENSION REGULATOR FOR SELVAGE SPOOLS. CHARLES F. LAVALLE, Newmarket, N. H. Filed Jan. 31, 1922. Serial No. 533,078. 4 Claims. (Cl. 139—109.)



1. The combination with a thread spool, and a roll spaced from the spool, and arranged to guide threads passing from the spool, so that thread stretches extend from the spool to the roll; of a tension-applying and regulating mechanism, comprising a fixed thread bearing between the spool and the roll, an oscillatory two-armed lever mounted on said fixed bearing and including an outer arm having a movable thread bearing substantially parallel with said fixed bearing, and an inner arm, said movable bearing and inner arm being at opposite sides of the fixed bearing and rigidly connected for simultaneous movement in opposite directions, a hand brake attached at one end to a fixed support, and extending from said support over a portion of the spool, said band being connected at its opposite end with the inner lever arm; and yielding pressure means connected with said inner arm, and normally holding the said movable bearing in position to form bights in the said

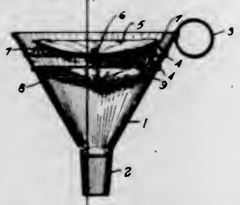
thread stretches, said means being adapted to exert pressure simultaneously on the brake band in one direction, and on the movable thread bearing in the opposite direction, to maintain the said thread stretches under tension, and compensate for the elongation and shrinkage of the thread and of the brake band, caused by variations of atmospheric moisture.

1,462,605. CYLINDRICAL STRUCTURE AND BLOCKS THEREOF. FRANK LE COCQ and IRWIN LE COCQ, Aberdeen, S. Dak. Filed Mar. 20, 1922. Serial No. 545,088. 2 Claims. (Cl. 72—51.)



1. A cylindrical structure of block formation including a series of segmental wall blocks, each having laterally offset inner and outer sections adapting the same to overlapping interlocking connection and provided with ribs and recesses along opposite sides, and diametrically opposed blocks at opposite sides of which the wall blocks overlap in opposite directions, each of said diametrically opposed blocks having inner and outer sections of different lengths and each having means along the sides of each section to interlockingly engage the side ribs and recesses of the offset sections of adjacent wall blocks upon opposite sides thereof.

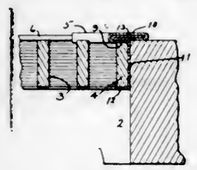
1,462,606. EGG SEPARATOR. ROBERT A. MCCRONE, Denver, Colo. Filed Oct. 6, 1922. Serial No. 592,752. 2 Claims. (Cl. 146—2.)



2. An egg separator comprising in combination a conical body portion having a groove near its base and a separator element removably secured in said groove, a second groove and a strainer element secured therein.

1,462,607. REGISTER SUPPORT AND BORDER. NATHAN W. MANROW, Goshen, Ind. Filed Feb. 28, 1923. Serial No. 621,848. 4 Claims. (Cl. 98—52.)

1. A device of the character described, comprising four corner pieces and four side and end rails cooperating with said corner pieces to form a rectangular supporting frame, said rails being provided with a T shaped upper margin



which has a telescopic connection with said corner pieces, and said rails being provided also with a lower marginal ledge.

1,462,608. METHOD OF AND APPARATUS FOR ENAMELING TUBES. NORMAN MARSHALL, Waltham, Mass. Filed May 6, 1921. Serial No. 467,244. 13 Claims. (Cl. 91—46.)

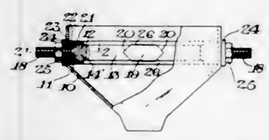


1. The method of dip enameling the exterior of tubes which consists in closing the upper end of a tube, dipping it vertically in a bath of enamel, and subsequently removing it at a slow and uniform rate.

5. An apparatus for dip enameling tubes having, in combination, means for closing the upper ends of the tubes, an enameling tank, means for dipping the tubes vertically in the tank, and means for withdrawing the tubes at a slow and uniform rate of speed.

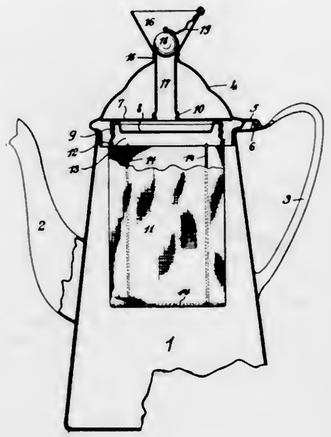
12. An apparatus for dip enameling tubes having, in combination, tube supporting means, means for moving the tube supporting means vertically to dip the tubes into a bath of enamel, and means for withdrawing the tubes vertically from the bath of enamel.

1,462,609. CONTACT AND METHOD OF MAKING SAME. LOUIS ALBERT MAU, Milwaukee, Wis., assignor to Milwaukee Auto Engine and Supply Company, Milwaukee, Wis., a Corporation of Wisconsin. Filed June 16, 1921. Serial No. 478,093. 4 Claims. (Cl. 200—19.)



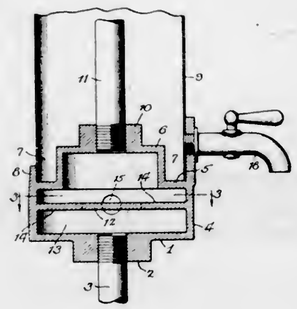
1. The method of making a contact for electrical ignition devices which consists in punching out a rough crescent-shaped blank from bar stock, swaging the blank to finished size and forming a depression in its rear side, trimming off the surplus metal, and welding one end of the threaded stem of the contact in the depression.

1,462,610. COFFEE-MAKING APPARATUS. ALBERT W. MEYER, Roselle, N. J. Filed May 27, 1922. Serial No. 564,068. 6 Claims. (Cl. 53—3.)



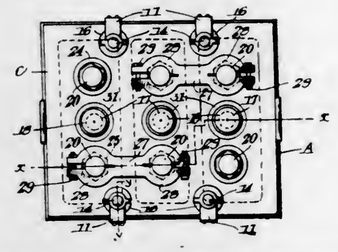
1. The combination with a coffee pot and its cover, of a percolator attachment therefor comprising a supporting plate within said cover, a percolator member detachably secured to said plate, a water inlet pipe extending downward within said cover to the said supporting plate, means for securing the latter to the said pipe, a funnel mounted on the upper end of the water inlet pipe and means for closing the inlet end of the same.

1,462,611. WATER HEATER. JOHN W. MEYER, Fort Atkinson, Wis. Filed July 20, 1922. Serial No. 576,216. 6 Claims. (Cl. 126—344.)



1. In a water heater, an upright tank having a hollow one-piece gas tight supporting base forming an exposed support for the lower end thereof, so that the bottom wall of said base forms the exposed bottom of the tank, heat inlet means externally connected to said base to supply heat to the gas tight interior of said base to heat the water in said tank, and a heat outlet, said base being gas tight except for the heat inlet and outlet thereof, and being adapted in its exposed position to be opened for cleaning out the interior thereof.

1,462,612. COVER PLATE FOR STORAGE BATTERIES. ARTHUR HERBERT MONES, Kerrobert, Saskatchewan, Canada. Filed Apr. 11, 1921. Serial No. 460,172. 1 Claim. (Cl. 204—29.)

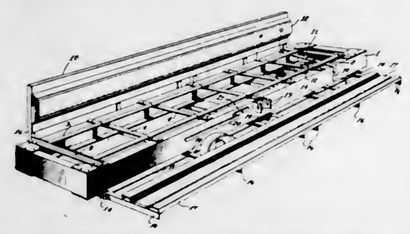


In a battery, the combination with a battery box and cover plate having raised bosses adjacent to the edges therein formed with threaded sockets, of clamps pivoted to the batery box extending over and in close contact with the bosses, and threaded bolts extending through the clamps into the threaded sockets in the boses.

1,462,613. METHOD OF PRODUCING AZO COLORS IN NONAQUEOUS SOLVENTS. WALLACE J. MURRAY, Boston, Mass., assignor to Arthur D. Little, Inc., Cambridge, Mass., a Corporation of Massachusetts. Filed June 9, 1921. Serial No. 476,309. 6 Claims. (Cl. 8—6.)

1. A method of producing azo colors in non-aqueous solvents which consists in combining a solution of an amine and a developer in oil with a nitrite.

1,462,614. MACHINE FOR MOLDING BUILDING BLOCKS. HENRY C. NEUBERGER, New York, N. Y., assignor to Interlocking Metal Forms Corporation, Tuckahoe, N. Y., a Corporation of New York. Filed Sept. 30, 1922. Serial No. 591,442. 8 Claims. (Cl. 25—121.)

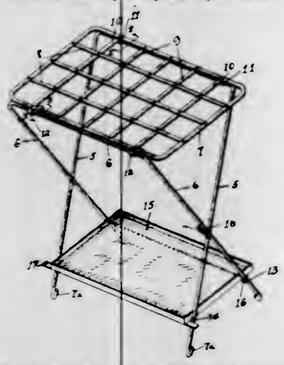


1. A building block casting machine embodying a platform provided at one end with an abutment, a plurality of face plates and partitions assembled on the platform at one side of the abutment, and spring actuated means for forcing all of the face plates and partitions in the direction of the abutment to clamp them between the abutment and the spring actuated means.

1,462,615. PORTABLE UMBRELLA STAND. LOUIS H. NOBLE, Philadelphia, Pa. Filed Jan. 31, 1923. Serial No. 616,038. 4 Claims. (Cl. 45—33.)

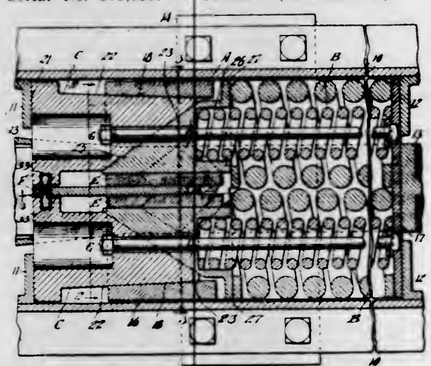
1. A folding umbrella stand comprising a pair of inverted U-shaped leg members pivoted in crossed relation, brace rods connecting the lower ends of each of said leg members, and a rectangular frame hingedly connected at one edge with the bight portion of one leg member and provided at its other edge with hooks detachably engaged upon the bight portion of the other leg member, a drain pan fitting between the lower ends

of said leg members and having ears pivoted on one of said brace rods, said pan lying upon the other brace



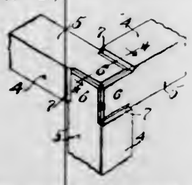
rod, and a combined reinforcing and stop strip on one edge of the pan having its ends projecting beyond the ends of the pan and engaging the adjacent leg member.

1,462,616. FRICTION SHOCK-ABSORBING MECHANISM. JOHN F. O'CONNOR, Chicago, Ill., assignor to William H. Miner, Chazy, N. Y. Filed July 19, 1922. Serial No. 575,959. 7 Claims. (Cl. 213—33.)



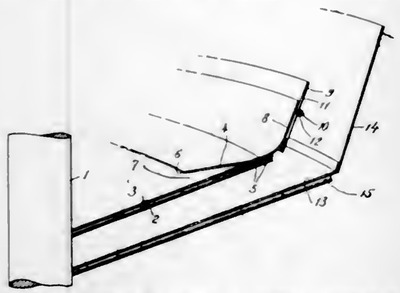
1. In a friction shock absorbing mechanism, the combination with a friction shell divided into twin friction chambers by an intermediate multiple-element partition; of twin arranged friction means in said chamber; a spring resistance; and a friction element between the twin arranged friction means and movable with the latter, said friction element frictionally cooperating with said elements of the partition.

1,462,617. INTERFITTING CORNER CONSTRUCTION. ENOCH OHNSTRAND, Mohawk, N. Y., assignor to Library Bureau, Cambridge, Mass., a Corporation of New Jersey. Filed Jan. 28, 1922. Serial No. 532,447. 12 Claims. (Cl. 109—2.)



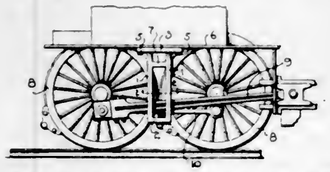
1. Corner construction for frames constructed of angle-irons comprising a projection upon one iron joined to both flanges of an adjacent iron.

1,462,618. SPIRAL SEPARATOR. FRANK PARDEE, Hazleton, Pa., assignor to Anthracite Separator Company, a Corporation of Pennsylvania. Filed Oct. 10, 1921. Serial No. 506,755. 6 Claims. (Cl. 83—54.)



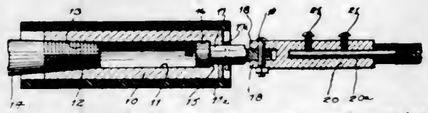
1. A spiral separator having a runway comprising a series of inwardly and downwardly inclined segmental plates and a series of plates secured to the outer portion of said segmental plates having their inner ends spaced above the surface thereof to form an outer runway of less inward inclination than the inclination of the first mentioned segmental plates.

1,462,619. SAFETY ATTACHMENT FOR LOCOMOTIVES. WARREN C. PATTERSON, Pottsville, Pa., assignor of one-half to John F. Johnson, Lewisburg, Pa. Filed Dec. 4, 1922. Serial No. 604,914. 3 Claims. (Cl. 105—84.)



1. A safety attachment for locomotives, comprising a means adapted to be secured to the side of the locomotive and to surround the drive rod and connecting rod while permitting full movements of these parts, said means constituting a support for the rods to prevent their falling to the ground or striking the locomotive in the event of any breakage.

1,462,620. TORCH FOR USE IN ELECTRIC WELDING AND HOLDER THEREFOR. CAMERON C. PEELER, Charleston, Wash. Filed Mar. 19, 1921. Serial No. 453,805. 1 Claim. (Cl. 219—14.)

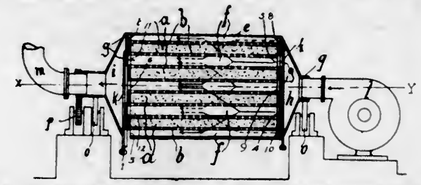


In an electric torch, coacting spring-pressed jaws having their coacting faces correspondingly radially grooved, one of said jaws having an opening formed therein and a pin carried by the other of said jaws and adapted to enter the opening of the first named jaw when the jaws are in engagement said grooves being tangential to said pin.

1,462,621. APPARATUS FOR DRYING MATERIAL. OSWALD PFEIFFER, Leipzig, Germany. Filed Aug. 24, 1921. Serial No. 495,119. 1 Claim. (Cl. 34—34.)

An improved drying apparatus of the type in which the material is charged between the hurdles and emptied from the same if said hurdles are in vertical position and dried when said hurdles are in horizontal position

comprising in combination with the hurdles, a casing for the hurdles, means for the admission of the drying



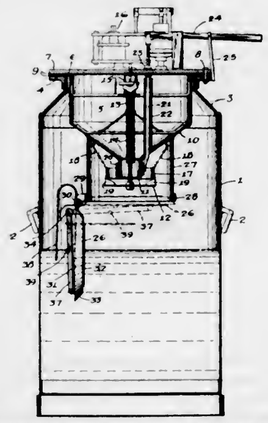
air to said casing and means for the escapement of the drying air from said casing, and means for turning said casing with the hurdles around a horizontal axis.

1,462,622. COMBINATION CONCRETE WALL BOARD AND STUDDING. EDWARD J. PHELAN, Los Angeles, Calif. Filed Nov. 21, 1922. Serial No. 602,374. 4 Claims. (Cl. 72—16.)



1. A monolithic wall unit comprising a slab having a web and fire stops extending transversely from said web; said unit having assembling means whereby it can cooperate with similar units to form a cellular wall.

1,462,623. PORTABLE ACETYLENE GENERATOR. STUART PLUMLEY, Westfield, N. J., assignor, by mesne assignments, to Air Reduction Company, Incorporated, New York, N. Y., a Corporation of New York. Filed Feb. 11, 1919. Serial No. 276,372. 3 Claims. (Cl. 48—38.)



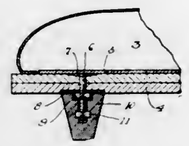
3. In a portable acetylene generator, the combination with a tank and a hopper with feed means inserted therein, of a ring joined with the hopper and surrounding the outlet, a hinged valve mounted with the ring for closing the lower end thereof when desired, a tail extending from the valve, and an operating frame mounted in the body of the tank co-operative with the back of the valve to close it, and with the tail for opening.

1,462,624. RESILIENT WHEEL. ALFRED T. PRYOR, Detroit, Mich. Filed June 4, 1920. Serial No. 386,427. 7 Claims. (Cl. 152—36.)



4. A resilient vehicle wheel comprising an inner member, pockets formed integral with said inner member, cushioning members engaging said pockets, and a pair of annular outer members having portions jointly forming pockets and engaging said cushioning members.

1,462,625. ATHLETIC SHOE. JOHN T. RIDDELL, Evanston, Ill. Filed May 5, 1922. Serial No. 558,558. 4 Claims. (Cl. 36—59.)



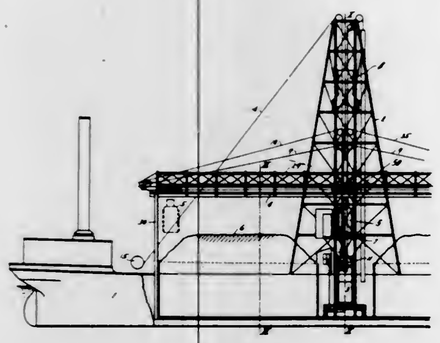
1. The combination with a shoe, of a stud passing through and clamped to the sole of said shoe and projecting therefrom; a tread member; and a securing member enclosed and imbedded in said tread member and engaging said stud, substantially as described.

1,462,626. INDEX TAB. WILLIAM A. RINGLER, Philadelphia, Pa., assignor to The Globe-Wernicke Company, a Corporation of Ohio. Filed Mar. 31, 1922. Serial No. 548,316. 8 Claims. (Cl. 40—23.)



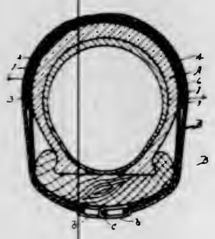
3. In an index tab, a doubled strip of transparent material, flexible attaching members interlocked with the edge portions of the arms of the strip, by which the strip may be secured to an edge of a thin object, the doubled portion of the strip serving as an open ended pocket to receive and retain an index slip.

1,462,627. APPARATUS FOR UNLOADING BARGES. LELAND S. ROSENER, San Francisco, Calif. Filed Oct. 16, 1919. Serial No. 331,085. 12 Claims. (Cl. 214—2.)



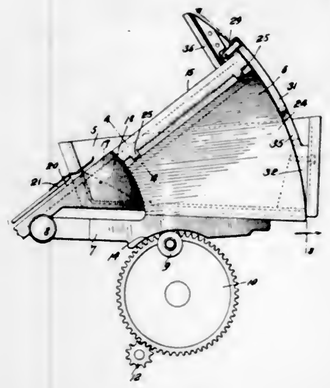
1. A barge in combination with a bucket and hoisting and conveying means for said bucket, a hopper adapted to receive a load from said bucket and discharge said load into a skip; a skip and a frame within which said skip is adapted to travel vertically; a discharge hopper adjacent to the path of the said skip into which a load from the skip may be dumped, and power means for operating the bucket, and power means for operating the skip, said skip and frame being located at substantially the longitudinal center of the barge, said barge constructed with bunker walls sloping towards a flat bottom said bottom having a width substantially equal to the range of bucket sweep.

1,462,628. BLOW-OUT PATCH AND TIRE REENFORCER FOR AUTOMOBILE TIRES AND TUBES. ANTON S. THORESEN and FELIX E. BENOIT, North Attleboro, Mass. Filed Apr. 5, 1922. Serial No. 549,692. 4 Claims. (Cl. 152—24.)



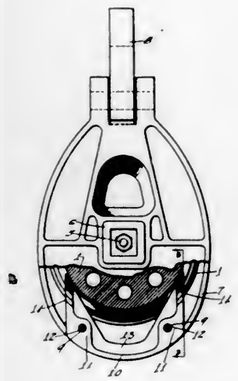
1. A patch for sealing blow-outs and punctures in automobile tires and tubes, the same consisting of a casing having walls of rubberized fabric, and a metallic member disposed within said casing and composed of a plurality of coils of spirally wound wire arranged with their axes parallel with each other, and each coil screwed into its adjacent coil to thereby form a flexible wire mesh strip, all in combination with each other and with means for securing the whole to a tire or tube.

1,462,629. FEEDING MECHANISM. RICHARD WHITAKER, Jr., and WILLIAM H. SNYDER, New Brunswick, N. J., assignors to Bryden-Neverslip Company, New Brunswick, N. J., a Corporation of New Jersey. Filed Mar. 7, 1922. Serial No. 541,691. 6 Claims. (Cl. 10—167.)



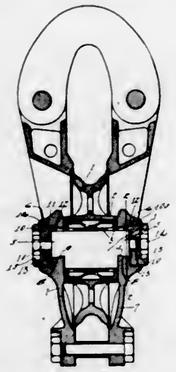
1. A feeding mechanism comprising a hopper, a vertically reciprocating feeder, means for actuating the feeder, and means for vibrating the article carrying part of the feeder during its reciprocating movements.

1,462,630. PULLEY BLOCK. BROWN E. BARNES, Portland, Oreg., assignor to Willamette Iron & Steel Works, Portland, Oreg., a Corporation of Oregon. Filed June 8, 1922. Serial No. 566,862. 4 Claims. (Cl. 254—192.)



1. In a pulley block, the combination of a sheave; cheek pieces between which the sheave is journaled; a holding member at one end of the cheek pieces; and a closure member at the opposite end of the cheek pieces formed with spaced blocks and a connecting plate, said connecting plate having an inwardly extending web.

1,462,631. PULLEY BLOCK. BROWN E. BARNES, Portland, Oreg., assignor to Willamette Iron & Steel Works, Portland, Oreg., a Corporation of Oregon. Filed June 8, 1922. Serial No. 566,863. 11 Claims. (Cl. 254—192.)



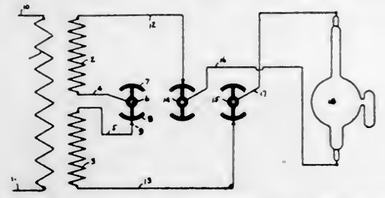
1. In a pulley block, the combination of a sheave; cheek pieces; a bearing pin for the sheave mounted in the cheek pieces with an undercut connection; and a tie rod extending through the pin securing the pin and cheek pieces.

1,462,632. METHOD AND APPARATUS FOR RECTIFYING POLYPHASE CURRENTS. GEORGE B. COLEMAN, San Francisco, Calif., assignor to Coleman X-ray Company, San Francisco, Calif., a Corporation of California. Filed Oct. 16, 1919. Serial No. 331,033. 4 Claims. (Cl. 175—364.)

2. In a transformer provided with primary coils adapted to be energized from a polyphase electric circuit; secondary coils for the said primary coils, the said secondary coils being divided between the terminals of each, and means interposed at each of said points of division constructed and adapted to periodically complete and alternately therewith to interrupt the corresponding windings and comprising a motor and including a rotary shaft in synchronism with the impressed electromotive force, commutator parts on said shaft and brush means in combination therewith adapted to complete and interrupt the windings aforesaid.

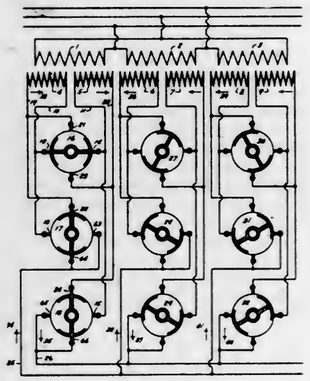
1,462,633. METHOD OF PRODUCING DIRECT CURRENT FROM AN ALTERNATING CIRCUIT AND MEANS THEREFOR. GEORGE B. COLEMAN, San Francisco, Calif., assignor to Coleman X-ray Company, San Francisco, Calif., a Corporation of California. Filed Feb. 26, 1920. Serial No. 361,584. 7 Claims. Cl. 175—364.)

1. The method of deriving unidirectional current from a transformer secondary which consists of interrupting the winding of said secondary at an intermediate point during the time of one polarity and simultaneously interrupting an external circuit connected to the terminals



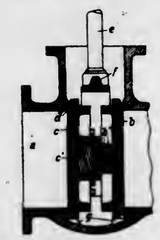
of said secondary, and completing the circuit at the intermediate point and at the terminals during the time of the other polarity.

1,462,634. MEANS AND METHOD OF CONVERSION BETWEEN ALTERNATING AND DIRECT CURRENTS. GEORGE B. COLEMAN, San Francisco, Calif., assignor to Coleman X-ray Company, San Francisco, Calif., a Corporation of California. Filed Dec. 11, 1919. Serial No. 344,101. 2 Claims. (Cl. 175—364.)



1. In a transforming system, a plurality of dephased secondary windings each divided at substantially its center and provided with a commutating device, a second commutating device interposed in each of the dephased secondary windings, means adapted to rotate said commutators in synchronism with an impressed wave, said commutators spaced angularly in accordance with the phase differences of the secondary windings.

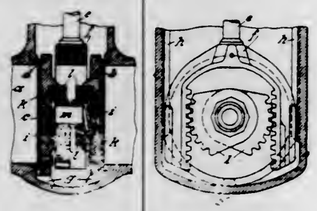
1,462,635. EXPANDING GATE VALVE. EDUARD EDLER, Leipzig-Lindenau, Germany, assignor, by mesne assignments, to Albert Karl Iseler and Albert Georg Wilhelm Iseler, both of Leipzig-Plagwitz, Germany. Filed Nov. 19, 1920. Serial No. 425,220. 4 Claims. (Cl. 251—66.) (Granted under the provisions of the act of Mar. 3, 1921, 41 Stat. L., 1313.)



1. A high pressure slide stop valve with parallel steam-tight surfaces comprising in combination a housing, one obturating disc, a threaded pin on the centre

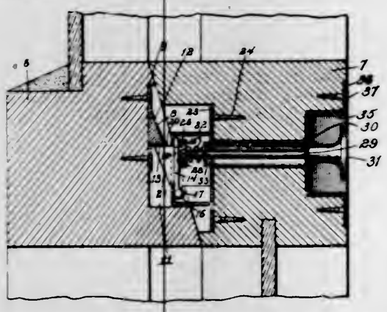
of said obturating disc, a second obturating disc having a female thread at the centre for the reception of said threaded pin, packing rings, a valve spindle, a yoke for operating said threaded connection, and means for transmitting the motion of said spindle to said yoke.

1,462,636. HIGH-PRESSURE SLIDE-STOP VALVE WITH PARALLEL STEAM-TIGHT SURFACES. EDUARD EDLER, Leipzig-Lindenau, Germany, assignor, by mesne assignments, to Albert Karl Iseler and Albert Georg Wilhelm Iseler, both of Leipzig-Plagwitz, Germany. Filed Oct. 26, 1921. Serial No. 510,619. 2 Claims. (Cl. 251—66.)



1. An improved high pressure slide stop valve with parallel steam-tight surfaces comprising in combination with the housing, the seating rings in said housing, the valve spindle and a yoke operated from said valve spindle and having teeth at its two sides, two obturating disks the one opposite the other having each a cavity at the center, seating rings in said obturating disks opposite said seating rings of the housing, an internally threaded nut in each of said cavities projecting from the inner surface of the corresponding obturating disk, means for securing said nuts in said cavities so that they can freely revolve but are prevented from axial displacement, a screw bolt connecting said nuts, and one-armed levers on the freely projecting rims of said nuts forming together a toothed segment for each nut adapted to be operated from the corresponding teeth of said yoke so that at the beginning and end of the ascent and descent of said yoke said obturating slides are first moved towards or away from each other before the teeth of the yoke begin to act upon the toothed segments and to raise or lower said obturating disks.

1,462,637. SASH FASTENER. STEPHEN R. FETNER, Albany, Ga. Filed Feb. 25, 1922. Serial No. 539,060. 6 Claims. (Cl. 292—227.)



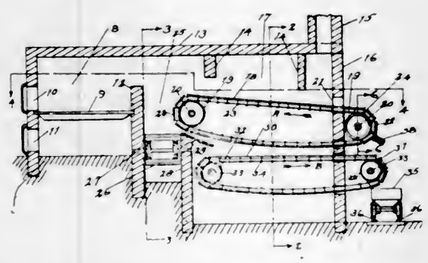
2. In a window latch, the combination with the meeting rails of window sashes, of a keeper carried by one of said sashes, a latch member carried by the other sash and movable into or out of engagement with said keeper, a longitudinally and rotatably movable rod, and a pivotal connection between said rod and the latch member, whereby the latch member may be moved into or engagement with said keeper through longitudinal movements of said rod, said pivotal connection including coacting surfaces on the inner end of the rod and outer side of the latch member, engageable and disengageable with each other through reverse rotary movements of said rod.

1,462,638. AUTOMOBILE SPRING EQUALIZER AND SHOCK ABSORBER. WILLIAM J. HACKETT, Reno, and FRED T. ABRAY, Huzen, Nev. Filed Oct. 9, 1922. Serial No. 593,289. 17 Claims. (Cl. 280—104.)



1. In a device of the character described, in combination, front and rear axles of an automobile, a chassis, a spring suspension therefor including leaf springs extending rearwardly from the front axle and forwardly from the rear axle, means supported on the chassis intermediate the front and rear axles and having connection with the rear end of the front spring and front end of the rear spring and adapted to permit the necessary flexing of the springs and positively to communicate substantially all vertical motion of the inner end of either spring relative to the chassis to the other in an opposite direction.

1,462,639. STEEL-HEATING FURNACE. JAMES HUNDLEY, Noblesville, Ind., assignor to New Process Iron and Steel Company, Noblesville, Ind. Filed July 23, 1919. Serial No. 312,749. Renewed Feb. 25, 1922. Serial No. 539,293. 3 Claims. (Cl. 266—10.)

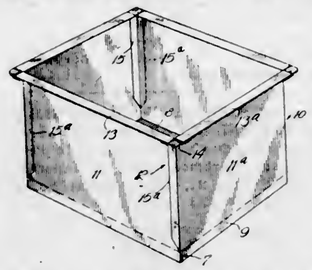


3. In a heating furnace an endless conveyor consisting of hingedly connected elements, refractory blocks or bricks carried by said elements, a heating chamber surrounding a portion of said conveyor, means for operating said conveyor and for discharging material therefrom upon a second conveyor within said furnace, an additional conveyor to remove slag and other cinder from said furnace, brushes or other means for removing adhering slag or cinder from said conveyor elements and means for actuating said conveyors, substantially as and for the purpose described.

1,462,640. SHEET-METAL RESERVOIR AND METHOD OF MAKING THE SAME. RUDOLPH HOFFMAN, Kankakee, Ill., assignor to Sears, Roebuck and Co., Chicago, Ill., a Corporation of New York. Filed June 19, 1920. Serial No. 390,059. 10 Claims. (Cl. 113—116.)

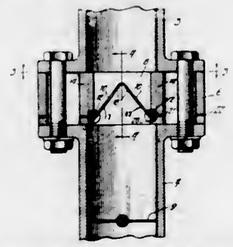
1. A sheet metal reservoir formed from a blank having a central portion deep-drawn to provide a seamless

lower portion for the reservoir consisting of a bottom wall having upturned edge walls, and wing portions bent



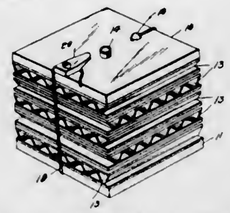
upwardly from and in continuation of said edge walls and joined to provide the side walls of the reservoir.

1,462,641. GAS DISTRIBUTING AND GOVERNING VALVE. HARRY R. JACKSON and HENRY A. MAY, Chicago, Ill. Filed Dec. 2, 1920. Serial No. 427,906. 1 Claim. (Cl. 48—180.)



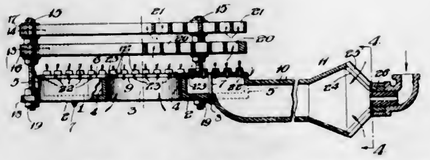
The combination with the intake duct of an internal combustion engine of a throttle valve in the duct located between the carburetor and the engine, a pair of gates located between the throttle and the engine, said gates extending from the sides of the duct obliquely inward and forward in the direction of flow, a pair of rock-shafts partially embedded in the walls of the duct and carrying said gates to form hinges therefor, and means for yieldingly urging the gates toward each other, the duct having airholes for admitting air into the duct and the rock-shafts having airholes passing through them and adapted to register with the airholes in the duct when the gate is swung away from closed position and to come out of register when the gate is approximately in closed position.

1,462,642. TRANSPORTATION PACKAGE FOR GRAPHOPHONE RECORDS. JOSEPH P. KARST and OLIVER J. KARST, St. Louis, Mo. Filed July 7, 1921. Serial No. 483,016. 2 Claims. (Cl. 206—62.)



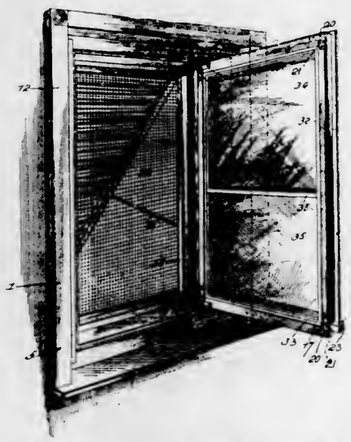
1. A transportation package for records and the like comprising separate rigid heads, a record adapted for disposition intermediate said heads, cushioning fillers intermediate the records and heads, said filler and one of said heads having openings therethrough to coincide with the spindle-opening of the record, a stem extending from the other head removably through said opening, and a tie means adapted to be passed about the package connected to one of said heads and serving to slide the first mentioned head along the stem and thereby compress the filler against the record.

1,462,643. GAS HEATER FOR FURNACES, STOVES, OR APARTMENTS. THEODOR EMIL KREUTZER, Philadelphia, Pa., assignor to The Home Comfort Heater Co., Philadelphia, Pa., a Corporation of New Jersey. Filed Sept. 13, 1922. Serial No. 587,889. 4 Claims. (Cl. 158—113.)



1. In a gas heater, a hollow base comprising a bottom plate having centrally therein a vertical peripheral rim forming a flue, and an exterior rim and a covering plate resting on said rims and secured to said bottom plate, said covering plate having centrally therein a flue coincident with said flue of the base and being provided with gas burner orifices, said base having connected with it a gas supply pipe, perforated plates elevated above said covering plate, bolt-like members connected with said base and rising therefrom and connected with said elevated plates, and tightening nuts adapting said plates to be supported separately from each other and from said base.

1,462,644. WINDOW SASH, SCREEN SASH AND SHUTTER, AND WINDOW FRAME THEREFOR. GEORGE WASHINGTON LANCASTER, Richmond, Va., assignor to Perfected Window Company, Richmond, Va., a Corporation. Filed Feb. 20, 1920. Serial No. 360,151. 25 Claims. (Cl. 20—40.)



1. In a device for the purpose indicated, a window casement, an outer closure swingingly mounted therein and tending to a closed position, a second closure swingingly mounted in the casement, latching connections between the two closures, said closures swinging through intersecting arcs, whereby when the closures are being opened the latching connections may disconnect, and when the outer closure is moving toward a closed posi-

tion, it may move the second closure to a closed position, thereby causing the latching means to reconnect, the second closure being movable to a closed position independently of the outer closure, which may remain open.

1,462,645. COUNTERBALANCING SASHES FOR STATIONARY WINDOW CASEMENTS. GEORGE W. LANCASTER, Richmond, Va., assignor to Perfected Window Company, Richmond, Va., a Corporation. Filed Jan. 5, 1921. Serial No. 435,233. 13 Claims. (Cl. 20—52.)



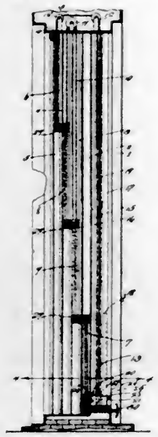
1. In a window construction, a frame having opposed vertical guides, counterbalancing sashes movable in the guides, a slide frame movable in certain of said guides and provided with means for supporting one of the sashes, said sash being freely removable from said supporting means and a connection between another of the sashes and the slide, whereby the other sash and the slide may be moved simultaneously.

1,462,646. PLURALITY OF COUNTERBALANCING SASHES FOR WINDOWS. GEORGE W. LANCASTER, Richmond, Va., assignor to Perfected Window Company, Richmond, Va., a Corporation of Virginia. Filed Mar. 19, 1921. Serial No. 453,592. 11 Claims. (Cl. 20—52.)



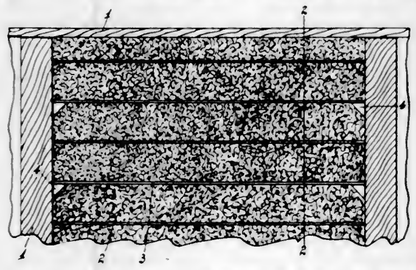
1. In a window, a casement having guides, upper outermost and lower innermost sashes mounted in certain of the guides, counterbalancing means in certain others of the guides, and means operatively connected to the upper outermost sash and adapted to operatively couple with the lower innermost sash or with the counterbalancing means, whereby the two sashes may balance each other throughout the full height of the casement, or the upper outermost sash may be counterbalanced independently of the the lower innermost sash.

1,462,647. COUNTERBALANCING SASHES FOR VARIOUS METAL AND OTHER CASEMENTS. GEORGE W. LANCASTER, Richmond, Va., assignor to Perfected Window Company, Richmond, Va., a Corporation of Virginia. Filed Nov. 22, 1921. Serial No. 517,041. 5 Claims. (Cl. 20—52.)



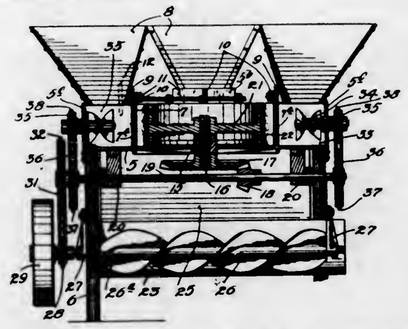
1. In a window structure, the combination with a casement having opposite perpendicular guides, of uppermost and lowermost sashes, mounted in certain sets of the guides, counterbalancing devices mounted in another set of the guides, spaces connecting the lower ends of certain sets of the guides between the guides for the sashes and those for the counterbalancing devices, an operating device mounted to move selectively in any of the connected sets, by shifting it through said spaces, means operatively connecting said device and the uppermost sash, and means for detachably and operatively connecting said device with the lowermost sash, or the counterbalancing devices, whereby the lowermost and uppermost sashes may be counterbalanced in their movements, or the uppermost sash moved independently and counterbalanced with the counterbalancing devices.

1,462,648. INSULATING WALL. HARVEY B. LINDSAY, Oakland, Calif., assignor to The Dry-Zero Corporation, Oakland, Calif., a Corporation of California. Filed Apr. 5, 1922. Serial No. 549,795. 6 Claims. (Cl. 20—4.)



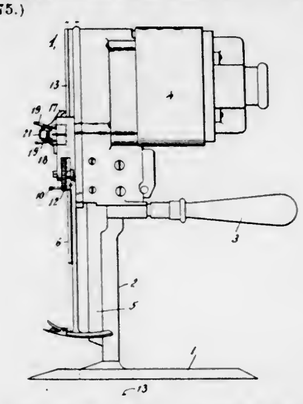
1. An insulating wall including a wall casing, a packing of kapok in said wall and horizontal superimposed anchor bars in said casing adjacent the side walls thereof.

1,462,649. PERCENTAGE FEEDER AND MIXER. ANGUS D. MACLELLAN, Owensboro, Ky., assignor to MacLellan Mixer Company, Owensboro, Ky., a Corporation of Kentucky. Filed Apr. 5, 1922. Serial No. 549,933. 12 Claims. (Cl. 83—44.)



1. In a feeder of the class described, the combination with a base plate having recesses in its outer periphery, a wheel journalled to said plate, means between said recesses delivering different material laterally to said plate, and means on said wheel for conducting the material to said recesses.

1,462,650. PRESSER-FOOT LATCH. HYMAN MAIMIN and AUGUST FREDDY, New York, N. Y., assignors to H. Maimin Co., Inc., a Corporation of New York. Filed Jan. 4, 1922. Serial No. 526,873. 2 Claims. (Cl. 164—75.)



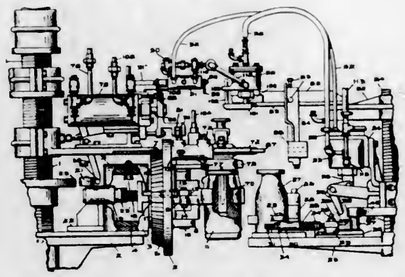
1. A cloth-cutting machine comprising the combination of a supporting frame, a rack fixed thereto, a presser foot movable relative to the frame, and a double pawl carried by the presser foot and cooperating with the rack.

1,462,651. VALVE MECHANISM. HUBERT A. MYERS, Toledo, Ohio, assignor of one-half to Herman Wiener, Toledo, Ohio. Filed Mar. 17, 1919. Serial No. 283,007. 7 Claims. (Cl. 123—188.)



1. In an engine, a valve comprising a valve-seat, a cast metal valve-head which is moulded upon and has therein a previously formed high temperature heat-resisting and relatively non-deteriorating metal insert permanently and rigidly embedded within the cast metal thereof and thus anchored against working out of position to engage the valve-seat, said insert having its outer edge formed to engage the valve-seat, and having its inner portion formed with anchoring means cast in the valve-head by molding the metal of the head thereon, so that the cast metal which is subject to deterioration is shrunk upon the previously formed insert, to prevent displacement of the insert in any direction.

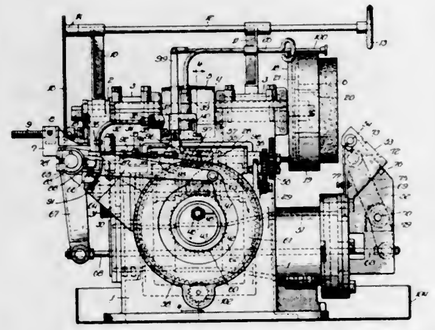
1,462,652. GLASS-HANDLING APPARATUS. FRANK O'NEILL, Toledo, Ohio. Filed June 14, 1920. Serial No. 388,724. 8 Claims. (Cl. 49—9.)



1. A glassware manufacturing apparatus comprising traveling sectional molds, driving means to bring a pair of molds into opposing relation open toward each other, and means carried with one of the molds providing a guide toward the other mold, one of said open molds having a pair of ware engaging shiftable members mounted on the guide means for engaging an article in one mold, shifting said article out of said mold by travel of the members along the guide means and member coacting means releasing the article into the other mold by opening of the members.

8. Glassware apparatus comprising a traveling carrier, a mold, a rotatable mounting for the mold as to the carrier including a gear, a stationary rack in the line of travel of the gear for rotating the gear, driving means for the carrier providing a station of rest for the mounting, a device movable relatively to the stationary rack and including a toothed section operable to disengage the gear at said station of rest and slow up carrier travel of the mounting as leaving the rack and reaching said device.

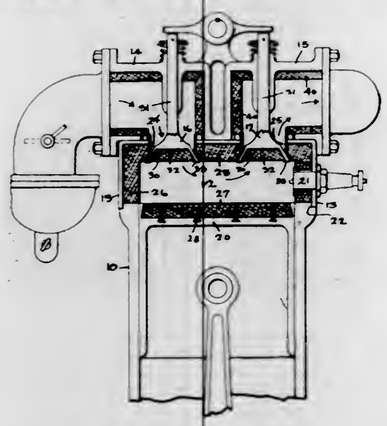
1,462,653. GRINDING MACHINE. WILLIAM C. OSTERHOLM, Chicago, Ill., assignor to Osterholm Automatic Machine Co., Chicago, Ill., a Corporation of Illinois. Filed June 10, 1921. Serial No. 476,409. 19 Claims. (Cl. 51—124.)



1. In a grinding machine, a carriage carrying a grinding wheel, means for propelling said carriage, means for changing the position of said carriage relative to said

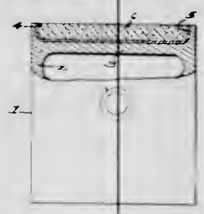
propelling means, means for communicating a feeding motion to said propelling means to move said carriage, a work table and means for moving said work table with a reciprocatory motion in a plane normal to the line of movement of said carriage.

1,462,654. INTERNAL-COMBUSTION ENGINE AND PARTS THEREOF. CHARLES W. PHILIP, San Francisco, Calif. Filed Nov. 9, 1921. Serial No. 513,983. 4 Claims. (Cl. 74—108.)



2. In an engine of the type set forth, a piston having a closed end with an outwardly extending shoulder formed with an inner face the walls of which converge outwardly, and heat-resisting non-conducting material covering the outer face of the closed end of the piston and conformably engaged with the converging walls of the shoulder, said shoulder being integral with the piston and having its said walls of such inclination as to hold the said material in position by frictional engagement therewith, said material having pins which project outwardly from the inner face thereof and are interlockingly embedded in the material of the piston.

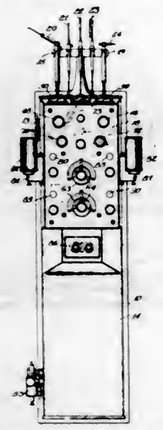
1,462,655. PISTON AND METHOD OF MANUFACTURING THE SAME. CHARLES W. PHILIP, San Francisco, Calif. Filed Aug. 30, 1922. Serial No. 585,177. 7 Claims. (Cl. 74—108.)



1. A piston having a circular cavity in the closed end thereof; a metal cup fixedly secured within said cavity and a circular disc of non-conducting material mounted within said cup.

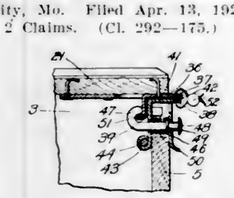
1,462,656. DENTAL-APPLIANCE UNIT. OSCAR H. PIEPER and ALPHONSE F. PIEPER, Rochester, N. Y. Filed Sept. 14, 1920. Serial No. 410,241. 12 Claims. (Cl. 32—5.)

1. A dental appliance unit comprising a support, a panel mounted thereon for movement toward and from the same to afford access to the rear of the panel, an instrument bracket extending upwardly from the panel, a plurality of electrical instruments carried by the bracket, controlling devices for said instruments located on the



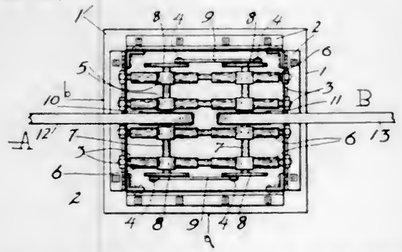
panel, and electrical connections between said controlling devices and instruments including circuit cords looped in rear of the panel to permit the removal and use of said instruments.

1,462,657. BOX FASTENER. RUDOLPH RAINALTER, Kansas City, Mo. Filed Apr. 13, 1921. Serial No. 461,126. 2 Claims. (Cl. 292—175.)



1. A box fastener comprising a bolt, supporting means to fit over the edge of a box, said means having a stay wire engaging loop, a spring-pressed bolt extending transversely through said means and having a hooked end, and a complementary plate for attachment to the lid of the box and having a lip for engagement with the bolt.

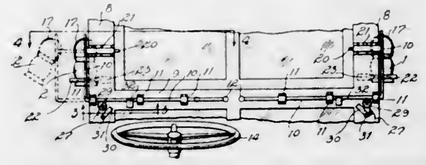
1,462,658. POWER-TRANSMISSION APPLIANCE. HENRY A. RICHARDSON, Colorado Springs, Colo. Filed Oct. 3, 1922. Serial No. 592,086. 1 Claim. (Cl. 74—14.)



In an intermediate power transmission appliance, a rectangular frame, guide bars parallel to each other and rigidly secured in said frame, two separate sets of short tubes slidably mounted on said bars, bearings rigidly secured to top of the longitudinal centers of said tubes, two separate shaftings extending parallel to each other

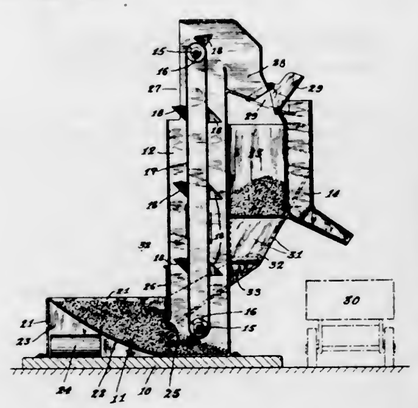
and transversely to said bars and said tubes and extending through said bearings, pulleys on each of said shafts intermediate their said bearings, belts operating said pulleys or operated thereby and transmitting force from the power unit to the load unit, and transmission means connecting said two shafts to operate them together the power from the one operating the other.

1,462,659. AUTOMOBILE TRAFFIC SIGNAL. AUGUST RICK, St. Louis, Mo. Filed Feb. 16, 1922. Serial No. 536,954. 1 Claim. (Cl. 116—50.)



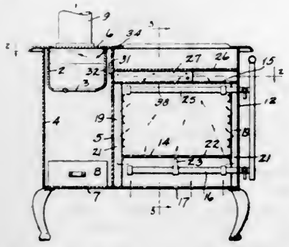
A traffic signal-lamp having a suspending-bail, and suspended from said bail to swing freely back and forth; in combination with a sliding lamp-bracket from which said bail is suspended, and means by which said bracket is moved, to cause said lamp to swing back and forth, in signaling with the same.

1,462,660. TOY. JACOB W. ROLLEFSON, Seattle, Wash. Filed Mar. 23, 1920. Serial No. 368,112. 1 Claim. (Cl. 198—43.)



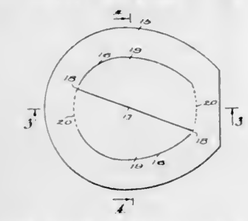
A toy comprising a base plate, a material receiving receptacle secured to the upper face thereof, an upright casing formed integrally with one end of said material receptacle and communicating therewith, a curved bottom wall in said receptacle adapted for feeding material to said casing, conveying mechanism disposed within said casing, means for driving said conveyor mechanism, a discharge chamber formed integrally with the upper end of said casing and upon the side opposite to the said material receptacle, said discharge chamber having an opening formed in the bottom thereof, a hopper carried by said casing and positioned beneath the opening in said discharge chamber, a trough connecting said hopper with said material receptacle for returning the material to the latter, a discharge spout formed integrally with said hopper and spaced outwardly from said discharge chamber, and a chute pivotally connected to said discharge chamber adjacent its opening adapted to selectively deliver material to either the hopper or discharge spout.

1,462,661. GAS STOVE. JOHN H. SATTLER, San Francisco, Calif., assignor to The Steiger & Kerr Stove & Foundry Co., San Francisco, Calif., a Corporation of California. Filed Nov. 12, 1921. Serial No. 514,447. 8 Claims. (Cl. 126—225.)



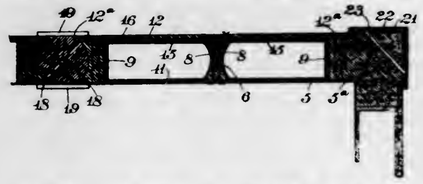
1. In a gas stove, a top stove plate, oven plates enclosing an oven, a solid fuel combustion chamber disposed contiguous to one of said oven plates, said oven plate extending upward to said top plate, a fire box in said chamber spaced from said oven plate, the wall of said fire box adjacent said oven plate being provided with a plurality of apertures and said oven plate being provided below said apertures, with a plurality of apertures for the passage of exhaust products from the oven.

1,462,662. SANITARY TOILET-SEAT COVER. JOHN L. SCHAEFER, Flushing, N. Y. Filed Aug. 11, 1922. Serial No. 581,272. 3 Claims. (Cl. 4—18.)



1. As a new article of manufacture, a sanitary toilet seat cover embodying a sheet of material having a slit extending diagonally from front to rear and arcuate slits in opposed relation at opposite sides of the central diagonal slit, said arcuate slits respectively joining at opposite terminals with the diagonal slit to provide oppositely bendable tabs, as and for the purpose specified.

1,462,663. SLAB FOR BUILDING CONSTRUCTIONS. CLINTON W. SCHALL, Columbus, Ohio. Filed July 15, 1922. Serial No. 575,142. 3 Claims. (Cl. 72—44.)



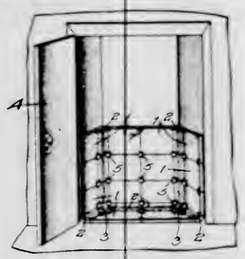
1. A wall constructed of hollow slabs placed edge to edge, said slabs each consisting of two parallely spaced face sheets of foraminate metal adapted to receive, be penetrated by and retain a plastic material, coats of plastic material applied to and covering said sheets except at the vertical margins thereof, and reinforced vertical spacing fillings of plastic material between and connecting said face sheets within the margins thereof, and plastic fillings between said slabs covering the aforesaid margins.

1,462,664. POSITION INDICATOR. WALTER B. SCHULTE, Madison, Wis., assignor to Burgess Battery Company, a Corporation of Wisconsin. Filed Oct. 6, 1921. Serial No. 505,701. 3 Claims. (Cl. 240—1.)



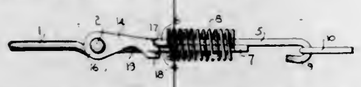
1. Means for attaching position indicators to articles, comprising a strip of flexible resilient material shaped into the form of a split band for clasping the article, and provided with translucent beads having backings of luminous materials, said beads being set in openings in the strip of material, the openings being of smaller diameter than the beads.

1,462,665. CONTAINER. JOHN H. SHARP, Chicago, Ill. Filed Nov. 22, 1919. Serial No. 339,907. Renewed Apr. 26, 1923. 9 Claims. (Cl. 217—3.)



1. A knock down interliner of the kind described, adapted to be positioned within a container, said interliner comprising a plurality of sections of suitable material some of said sections adjacent one another being interchangeable and means for detachably securing all of said sections together.

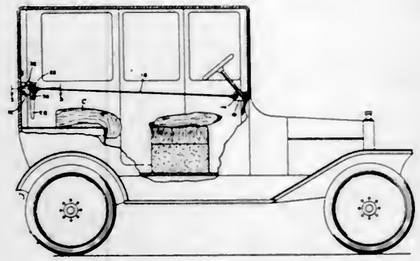
1,462,666. TIRE-CHAIN LOCK AND ELASTIC TAKE-UP. ARTHUR A. SMITH and HARRY W. PAINE, Eagle Grove, Iowa. Filed June 15, 1922. Serial No. 568,520. 4 Claims. (Cl. 267—72.)



1. The combination of a tire chain lock and elastic take-up, comprising oppositely movable bars in face to face engagement, each bar terminating at its opposite ends in a hook and a T-shaped head, the head of one bar being normally located in the mouth of an adjacent hook on the other bar, a link, connected to the other hook, a spring surrounding the two bars between the heads of the respective bars, and means pivotally mounted on the connection between said link and bar and adapted to engage the head on the other bar to retain the spring compressed and maintain the head out of engagement with the adjacent hook.

1,462,667. AUTOMOBILE BED. ARTHUR STOCKLAND, Minneapolis, Minn., assignor to Charles K. Stockland, Minneapolis, Minn. Filed Aug. 25, 1922. Serial No. 584,244. 1 Claim. (Cl. 5—118.)

In combination with an automobile, a pair of brackets secured on opposite sides of the automobile at the front thereof, a strip of flexible material, a rod to which one end of said strip is attached, said rod being adapted to extend through holes in said brackets, a pair of brackets secured on opposite sides of the automobile at the rear thereof, a second rod to which the other end of said strip is secured for rotation therewith, said



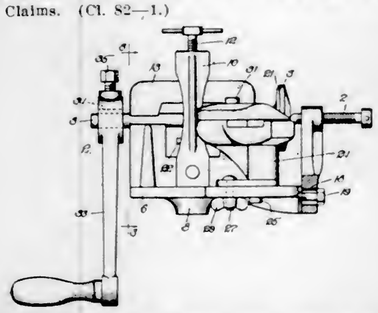
second rod being rotatably mounted in said second pair of brackets, and means whereby said second rod may be rotated to stretch said strip, said second pair of brackets being secured behind the position normally occupied by the back cushion of the rear seat whereby the device when not in use may be stowed behind said cushion.

1,462,668. MATTRESS. BERT STUART, Seattle, Wash. Filed Aug. 30, 1922. Serial No. 585,239. 1 Claim. (Cl. 5—359.)



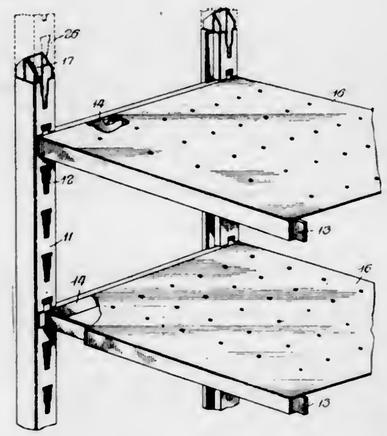
A mattress comprising bars forming the edges thereof, a covering for the bars, upper and lower covering walls secured to the bar covering, a plurality of flexible strips secured at their ends to the bar covering, said strips having slits to interfit one with the other where the strips cross each other and arranged to form a plurality of independent compartments, and a mattress filling arranged in each of said compartments, whereby the bars form a stiffened frame to carry the strips, hold them in spaced relation, and substantially taut to prevent disarrangement thereof in the mattress and misplacement of the filling in the compartment.

1,462,669. VALVE LATHE. CHARLES G. TURNGREN, Harvey, Ill. Filed Nov. 7, 1921. Serial No. 513,375. 2 Claims. (Cl. 82—1.)



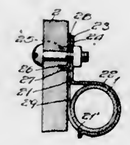
2. A valve lathe comprising a body having a bearing member for rotatably supporting a valve to be faced, a feed screw arranged on said body for shifting the valve axially into engagement with a cutting tool supported on said body, said body having an aperture formed therein, and a pin seated in said aperture and disposed in substantially parallel spaced relation to the axis of said bearing, said pin being arranged for axial adjustment to limit the axial movement of the valve under the action of said feed screw.

1,462,670. SHELF EXTENSION. WALTER N. VANCE, Chicago Heights, Ill., assignor to Durand Steel Locker Company, Chicago, Ill., a Corporation of Illinois. Filed Sept. 22, 1919. Serial No. 325,286. 5 Claims. (Cl. 211—27.)



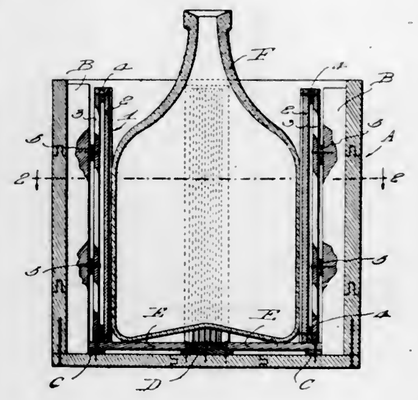
5. The combination of shelf framing, including tubular uprights at the corners of rectangular section and having open tops, and extension connectors adapted to be positioned in said open tops of said tubular uprights to permit upward shelf extension, and each comprising a metal sheet folded back upon itself at the center and having flanges extending out from the lateral sides, said flanges fitting neatly within said tubular uprights, the lower ends of said flanges being bent to permit easy insertion of the connectors into snug engagement with the uprights.

1,462,671. PIPE OR CABLE CLAMP. JOHN VRBA, Chicago, Ill. Filed July 5, 1921. Serial No. 482,637. 5 Claims. (Cl. 248—36.)



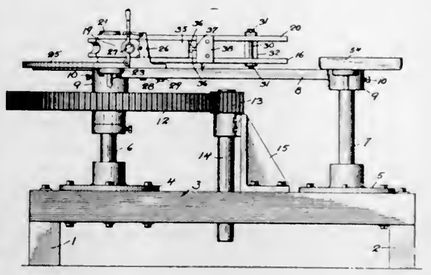
5. A pipe clamp comprising a single piece of metal bent upon itself to form a loop, and a pair of substantially parallel opposed resilient spaced legs having aligned apertures therethrough to receive a bolt whereby said clamp may be supported from a suitable cooperating member, prongs struck up from the leg adjacent said cooperating member so as to be adapted to forcibly enter the material thereof, and a prong struck up from the body of the other leg and extending in the same direction as said first-mentioned prongs so as to be superimposed on one of said first-mentioned prongs and also entering the material of said supporting member.

1,462,672. SHIPPING BOX FOR CARBOYS. CALVIN S. WEATHERBY, South Westville, N. J. Filed Dec. 2, 1920, Serial No. 427,879. Renewed May 3, 1923. 2 Claims. (Cl. 217—53.)



1. A shipping crate for carboys provided with a plurality of corner pieces, and a plurality of vertically disposed bottle-engaging cushioning members secured to said corner pieces intermediate their centers and their opposite ends, each of said members being composed of spaced independently yieldable strips, whereby they will be permitted to flex freely toward and from the carboy at their ends and at their centers and thereby permitted to conform to the contour of the carboy.

1,462,673. BENDING MACHINE. JOHN S. WHEELER, Dunsmuir, Calif. Filed Feb. 5, 1919, Serial No. 275,164. Renewed Aug. 10, 1921. Serial No. 491,286. 3 Claims. (Cl. 153—46.)



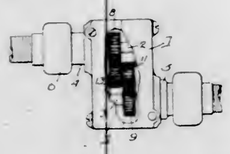
1. A bending machine comprising stationary posts, a frame supported by and extending between said posts, a stationary circular track secured to one end of said frame concentric with the post supporting said end of the frame, a work holder adjustable longitudinally in the frame and disposed eccentrically to the adjacent supporting post and the track, form block secured on said post and arranged above the frame, a carrier consisting of similar members pivoted to said post respectively above and below the form block, a holder mounted between and held by the carrier members and adjustable longitudinally thereof toward and from the form block, and a presser block seated against said holder and cooperating with the form block.

1,462,674. FLASH-LIGHT CASE. GERALD E. WHITE, Lansing, Mich. Filed Feb. 15, 1921, Serial No. 445,120. Renewed June 6, 1923. 1 Claim. (Cl. 206—1.)



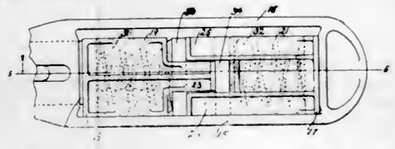
A flash light casing comprising a cylindrical body of non-flexible material, a removable water proof lining for the said non-flexible body, the interior of the body being substantially equal to the exterior diameter of the flash light, one end of the body being open, a removable cap adapted to be mounted on the open end of the body, the said cap having parallel slots in its top, a flexible strap adapted to pass through said slots, one end of the strap being extended over the edge of the cap and fixed to the sides of the said non-flexible body, the other end of the strap being adapted for releasable connection to the opposite side of the said non-flexible body, said water proof lining preventing said strap fastening means from coming into contact with said battery within the non-flexible body.

1,462,675. SPEED-ADAPTER JOINT FOR POWER-TRANSMITTING SHAFTS. FREDERIK G. WHITTINGTON, Evanston, Ill., assignor to Stewart-Warner Speedometer Corporation, Chicago, Ill., a Corporation of Virginia. Filed Apr. 14, 1922. Serial No. 552,766. 5 Claims. (Cl. 74—57.)



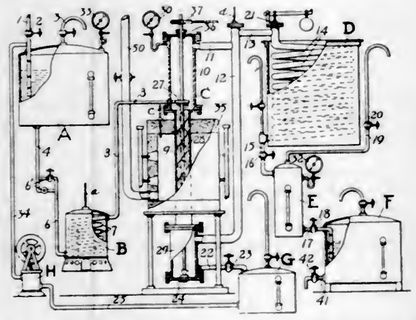
1. For combination with a power transmitting shaft and to be interposed therein to change the speed as between the two parts between which it is interposed, a two-part casing, each part having a cavity at one side having a journal bearing for a shaft, and a shaft journaled therein and protruding therefrom at the side opposite the cavity; a gear on each shaft at a non-protruding part thereof, said casing parts being mated for seating one against the other to combine their cavities in a single continuous closed chamber, and a third shaft having its ends carried in the two casing parts respectively, and two gears rigid with each other on said third shaft, intermeshing respectively with the gears of the two shafts first mentioned, the two pairs of intermeshing gears being different in respect to their gear ratios for changing the shaft speed in transmission through the gear system comprising said four gears; the gears of the two shafts first mentioned being interchangeable and the two gears on the third shaft being laterally transposable, and means for detachably securing the two casing members together.

1,462,676. DRAFT GEAR FOR RAILWAY CARS. HENRY I. WRIGLEY, Chicago, Ill., assignor to Universal Draft Gear Attachment Co., a Corporation of Illinois. Filed June 3, 1919. Serial No. 301,467. 1 Claim. (Cl. 213—48.)



In a draft gear for railway cars, a pair of opposed followers, an integral spring enclosure on each follower, each enclosure comprising side plates and cross members, a pair of spaced arms extending forwardly from each side plate of one of said enclosures, reinforcing ribs extending along said plates and the adjacent marginal edges of said arms, a pair of arms having reinforced ribs extending rearwardly from the side plates of the other enclosure between said first named arms and engaging said flanges, a cross member for each pair of arms, seating plates engaging said cross member, and springs in each enclosure between the followers and the seating plates.

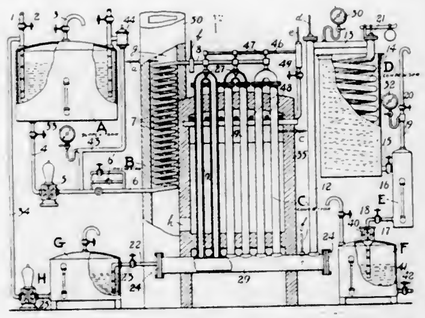
1,462,677. OIL-CONVERTING PROCESS FOR THE CONVERSION AND TRANSFORMATION OF OILS. JOSEPH H. ADAMS, Flatbush, N. Y., assignor to The Texas Company, Houston, Tex., a Corporation of Texas. Filed June 15, 1916. Serial No. 103,725. 32 Claims. (Cl. 196—25.)



5. A process of converting high boiling hydrocarbon oil into lower boiling products in the vapor phase comprising heating the oil in a preheater under superatmospheric pressure to substantially its corresponding boiling point while maintaining the oil in liquid form, admitting the preheated liquid into a chamber under superatmospheric pressure somewhat less than the pressure under which the oil is preliminarily heated, where it breaks into vaporous form, and subjecting the vapors in the chamber to a cracking temperature to convert them in the vapor phase.

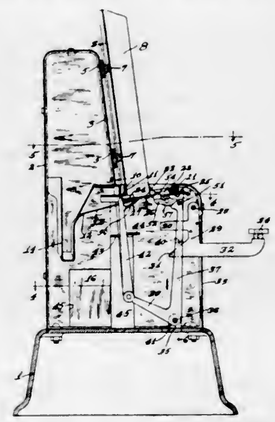
29. A process of converting high boiling hydrocarbon oil into lower boiling products that comprises forcibly delivering oil from a supply tank to one end of a plurality of vertical converter tubes and passing it therethrough in flowing streams to be cracked in transit, heating the converter tubes intermediate their ends to a cracking temperature under superatmospheric pressure, withdrawing unconverted liquid oil from the opposite ends of said vertical converter tubes and returning it to mix with the oil in said supply tank for retreatment, removing the vapors evolved in the converter tubes, and collecting below the heating zone carbon and heavy residue formed in said converter tubes and emerging from the lower ends thereof.

1,462,678. OIL-CONVERTING APPARATUS. JOSEPH H. ADAMS, Flatbush, N. Y., assignor to The Texas Company, Houston, Tex., a Corporation of Texas. Filed June 15, 1916. Serial No. 103,726. 23 Claims. (Cl. 196—14.)



19. Apparatus for converting high boiling hydrocarbon oil into lower boiling products comprising a furnace, a plurality of vertically disposed converter tubes located therein and heated to a cracking temperature under superatmospheric pressure and having their respective ends projecting through the upper and lower walls thereof, means for interconnecting the upper ends of said converter tubes above the heating zone, means for interconnecting the lower ends of the converter tubes below the heating zone, a supply tank outside said furnace, means for forcibly delivering oil from the supply tank to one of said interconnecting means whereby the oil is passed through said vertical converter tubes in flowing streams and cracked in transit, means for removing unconverted liquid oil from the other interconnecting means and returning it to the supply tank to be mixed with the oil therein and retreated, and means for removing the vapors evolved in transit through said converter tubes.

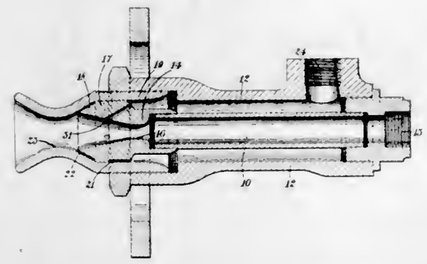
1,462,679. SELECTIVE CHANGE MAKER. ALBERT BECK, Chicago, Ill., assignor to McGill Metal Products Company, a Corporation of Illinois. Filed July 20, 1921. Serial No. 486,105. 17 Claims. (Cl. 133—5.)



2. A selective change maker comprising a coin holding tube and an ejector mechanism, said ejector mechanism embracing a bell-crank, a coin retaining member on one arm thereof, and an ejecting means on the other arm.

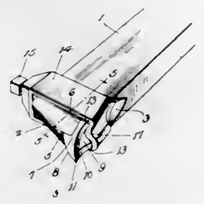
17. A change maker comprising a casing, coin ejecting means therein, a plurality of coin tubes on said casing, slotted base members secured on the lower ends of said coin tubes into which said ejecting means project, means for operating the ejecting means to cause discharge of coins from said tubes, and mouth pieces integrally formed on said coin tube base members through which the discharged coins are ejected.

1,462,680. BURNER FOR FLUID FUEL. JOHN BLISS, London, England. Filed Sept. 1, 1922. Serial No. 585,654. 9 Claims. (Cl. 158—75.)



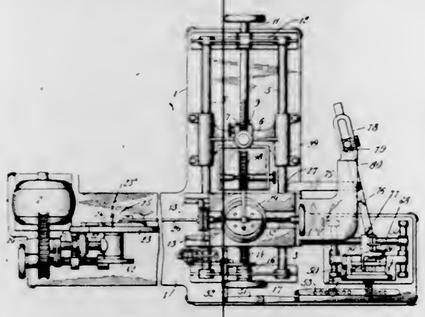
1. A burner of the kind described comprising the combination of a fuel-tube through which the fuel is to be passed in an axial direction, a jacket surrounding said fuel-tube with means to lead steam or other fluid into the jacket-space between it and the fuel-tube, forwardly-directed conduits communicating between the jacket-space and the interior of the fuel-tube near its outlet end to lead fluid from the jacket-space into the fuel-tube to mix with the fuel before it leaves said tube, a nozzle enclosing the outlet end of the fuel-tube, and forwardly-directed conduits which are exterior to the bore of the fuel-tube, which are inclined across the axis of the latter and are so disposed as to lead streams of steam or other fluid into said enclosing nozzle whereby it is free to commingle with the fuel-mixture as it issues from the fuel-tube outlet into the said nozzle, said enclosing nozzle directing all of the commingled fluids.

1,462,681. MINING-MACHINE BIT. NEWTON K. BOWMAN, Bowdil, Ohio. Filed Dec. 15, 1921. Serial No. 522,578. 8 Claims. (Cl. 262—33.)



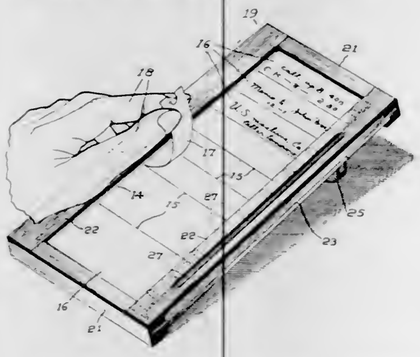
1. The combination of a cutter bar having a longitudinally extending concave seat at its free end and provided with a notch at the end of said seat forming a terminal of the seat, a bit having its sides flared and its back forming a longitudinally extending convex ridge adapted to fit in the said seat, the forward side of the bit being provided with concave arcuate portions merging into the back of the bit to form cutting points, a holder fitting around the bit and the cutter bar, and means carried by the holder to engage the cutter bar and bind the bit in the seat.

1,462,682. ENGRAVING MACHINE. CHARLES C. BRUCKNER, Jersey City, N. J., assignor to Bruckner Mfg. Co., Inc., a Corporation of Delaware. Filed Aug. 17, 1920, Serial No. 404,247. Renewed May 26, 1922. Serial No. 563,990. 39 Claims. (Cl. 90—24.4.)



1. In an engraving machine, the combination of a cutting tool, a work support, a pattern holder, a stylus cooperating with the pattern holder, a driving motor and connections between said motor and said first mentioned parts for simultaneously imparting correlated relative movement to said cutting tool and work holder, and said pattern holder and stylus, respectively, said connections comprising means for varying the amplitude of movement imparted to the operated parts by the driving motor and independent means for varying the speed of movement imparted by said motor.

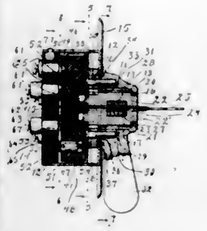
1,462,683. MEMORANDUM TABLET AND HOLDER. HENRY L. BUSH, Hopkinton, and ABEL M. HAMBLET, Salem, Mass. Filed Feb. 23, 1921. Serial No. 447,259. 22 Claims. (Cl. 281—38.)



1. In a device of the class described, in combination, a memorandum tablet having the sheets thereof divided transversely to form a plurality of tablet sections, each section having a number of memorandum leaves secured along one of their marginal edges to the tablet, a holder enclosing the marginal edges of the tablet, and cooperating projections and notches on the leaves and holder forming interengaging positioning elements between the holder and one end of the memorandum leaves to retain the leaves in place.

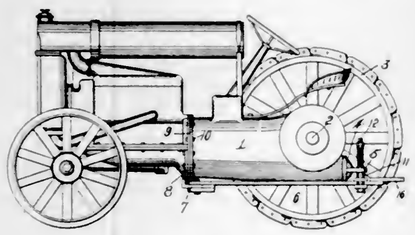
8. In a multiple section memorandum tablet and holder combination, interengaging positioning elements in the holder and in the outside end of the sectional memorandum leaves, which retain the latter in place without interfering with leaf withdrawal.

1,462,684. LOCK SWITCH. HARRY A. CLUM, Wauwatosa, Wis., assignor to Clum Mfg. Co., Milwaukee, Wis. Filed Oct. 16, 1916. Serial No. 125,788. 20 Claims. (Cl. 200—44.)



1. A lock switch, comprising a casing provided with a projecting tubular portion, a rotary switch element mounted within the casing, an oscillating switch element mounted within the casing, a member controlling the movement of one of the switch elements positioned to surround the tubular casing portion, a member controlling the movement of another switch element positioned within the bore of the tubular casing portion, and means locking one of the switch element moving members to the casing tubular portion.

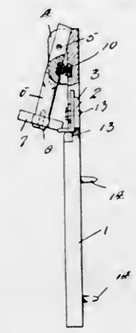
1,462,685. DRAFT APPLIANCE FOR TRACTORS. HOWARD E. COUNTER, Leipsic, Ohio. Filed June 23, 1921. Serial No. 479,739. 3 Claims. (Cl. 280—33.44.)



1. A draft appliance for tractors including a member formed for securement to the crank case flange and having a rearwardly projecting tongue, a draw bar secured at one end to the tongue, a pair of cross members engaged with the respective upper and lower faces of the draw bar at the opposite end of the latter, a pair of bolts having their lower ends secured to the said cross members and having their sides engaged with opposite side edges of the last named end of the draw bar, said bolts having their upper ends extending above the upper cross member and formed to extend through the respective clevis receiving openings of the draw bar attaching tongue of the tractor, compression springs encircling said upper ends of the bolts and having their lower ends formed to bear against the tractor draw bar attaching tongue and adjusting nuts on the upper ends of the bolts engaging the upper ends of the springs.

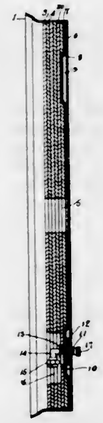
1,462,686. SAW-SET TOOL. NATHANIEL COVELL, Tidioute, Pa. Filed Mar. 30, 1922. Serial No. 548,202. 2 Claims. (Cl. 76—62.)

1. In a saw set of the class described, a vertical bar constituting the main body of the saw set, a cross arm secured to said body and adjacent the upper end thereof, a pair of vertically adjustable gauge boards secured to the cross arm, a swinging hammer arm pivotally secured to the upper end of said bar constituting the main body member, and yieldable means for normally swinging the said hammer member away from said main



body member, said yieldable means being interposed between the bar and the hammer arm beneath the pivot of the latter.

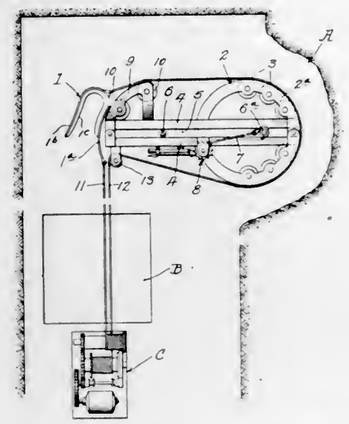
1,462,687. LAMINATED STRUCTURE FOR WHEELS. ALBERT RALPH COWDEN and EUGENE J. B. GORMAN, Dayton, Ohio. Filed Apr. 7, 1922. Serial No. 550,321. 7 Claims. (Cl. 301—63.)



4. In combination, a plurality of laminations with the grains of the laminations being placed in directions at right angles to each other in alternate layers, a cutaway portion to form a groove in one face of the structure, an adhesive applied to said face and a textile fabric incorporated with and applied to said adhesive to form an integral structure therewith and with the laminated structure to follow the contours thereof, and a metal rim mounted thereon to support a tire rim.

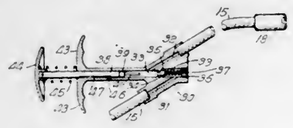
1,462,688. APPARATUS FOR HANDLING ORE. CHARLES E. DAVIS, Chicago, Ill., assignor to Goodman Manufacturing Company, Chicago, Ill., a Corporation of Illinois. Filed May 20, 1920. Serial No. 382,696. 28 Claims. (Cl. 37—115.)

1. In an apparatus of the class described, the combination of a frame, means for supporting said frame against lateral movement, and a draft operated scraper, adapted to be moved horizontally about said frame, and



having supporting engagement therewith, whereby said scraper is positively directed into the pile of material to gather the same.

1,462,689. LUBRICATING SYSTEM. ERNEST W. DAVIS, Oak Park, Ill., assignor, by mesne assignments, to The Bassick Manufacturing Company, a Corporation of Delaware. Filed Mar. 17, 1920. Serial No. 366,625. 7 Claims. (Cl. 184—105.)

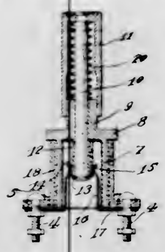


1. The combination with a nipple adapted to receive lubricant, of a source of lubricant under pressure for supplying lubricant to said nipple, a discharge conduit for said source of lubricant, the free end of which is provided with a coupling member adapted to be detachably connected to said nipple, means intermediate said source of pressure and said coupling member for controlling the flow of lubricant through said discharge conduit, comprising a valve body having an intake port connected with a portion of said conduit leading to said source of pressure, and a discharge port connected with the portion of said conduit connected with said coupling member, the said valve body being provided with a passageway connecting said ports and comprising a valve seat, a spring-pressed valve co-acting with said seat and opening towards said intake port, a plunger reciprocably mounted in said passageway and provided with an end portion of reduced cross section for unseating said valve, and forming a space between said reduced portion and the walls of said passageway, providing communication between said ports, co-acting hand grips on said valve body and said plunger, and a spring for retracting said plunger.

1,462,690. ELECTRICAL SWITCH. COON A. DEAS, Rock Hill, S. C., assignor to Anderson Motor Company, Rock Hill, S. C., a Corporation of South Carolina. Filed Aug. 16, 1922. Serial No. 582,201. 2 Claims. (Cl. 219—48.)

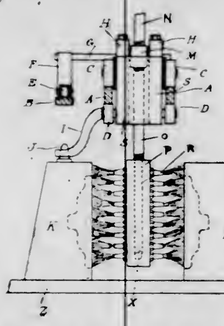
1. A switch of the class described comprising a base member, binding posts carried by said base member, a

casing extending upwardly from the base, a movable cap member slidably mounted on the casing, a reciprocating plunger carried by the cap member and having one end projecting within the casing, a ring carried by the inner end of the plunger, contact members con-



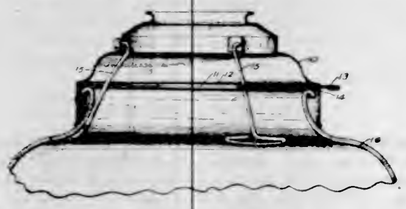
nected with the binding posts and normally engaging said ring whereby downward movement of the cap member will disengage the contacts from the ring and a resistance coil supported around the casing and embedded within an outer casing and having connection with the binding posts, as and for the purpose set forth.

1,462,691. LAMPBLACK BURNER. JOSEPH LOUIS DOSTAL, Detroit, Mich., assignor to Earl Holley, Detroit, Mich. Original application filed Sept. 27, 1922, Serial No. 590,913. Divided and this application filed Feb. 17, 1923. Serial No. 619,557. 2 Claims. (Cl. 134—60.)



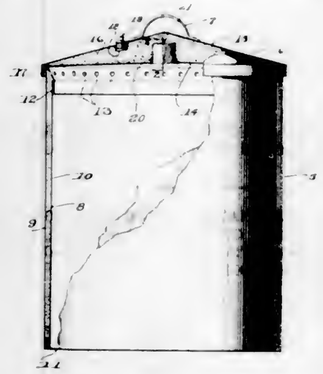
1. In a burner for depositing lamp black on the surface of molds, a downwardly extending passage, a plurality of upwardly extending passages connected to said downwardly extending passage, a plurality of burners located in said upwardly extending passages.

1,462,692. HOLDER FOR LIGHTING FIXTURES. ROMULUS A. L'ECUYER, Chicago, and LE ROY S. MARKS, Oak Park, Ill. Filed Dec. 31, 1921. Serial No. 526,430. 1 Claim. (Cl. 240—130.)



A shade holder comprising a housing to receive the lip of a bowl to be held thereby; a plate with channels therein rigidly and horizontally secured in the housing; a second plate with channels therein to register with the channels in the first mentioned plate rotatably secured above the first mentioned plate; depending clamping members loosely secured to the housing; their shafts projecting downwardly through the companion channels in the aforesaid plates; means to rotate the second mentioned plate, the channels in the two plates registering to move, simultaneously, the clamping members outwardly or inwardly according to the direction of the rotating of the second mentioned plate, substantially as shown and described.

1,462,693. GERMICIDE RECEPTACLE AND COVER. JOSEPH C. FISCHER, Milwaukee, Wis. Filed July 2, 1921. Serial No. 482,183. 3 Claims. (Cl. 220—87.)



1. A receptacle of the class described, comprising an inner and an outer casing of different diameters to provide a space there between adapted to receive a germicide, the upper end of the outer casing being extended beyond the upper end of the inner casing and then bent inwardly to close the upper end of said space, that portion of the outer casing extension enclosing the space being apertured to provide an outlet into the receptacle for fumes given off by the germicide.

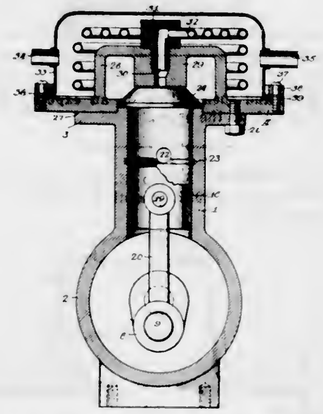
1,462,694. DOOR HANGER. FRANCIS K. FASSETT, Dayton, Ohio. Original application filed June 22, 1914, Serial No. 846,450. Divided and this application filed June 5, 1922. Serial No. 565,971. 8 Claims. (Cl. 16—105.)



4. In a door hanger, a track, a pair of wheels to roll thereon, an axle protruding from each side of said wheels, a pair of links, one on each side of the wheels and having recesses in their upper edges in which the axles lie, the recesses being open at their tops so as to expose the tops of the axles, while connecting and keeping the wheels a fixed distance apart; a pair of rectilinear bars, one on each side of the wheels, their edges resting on the exposed parts of the axles in the same zone the links occupy, means connecting said riders, a pendent attached to each end of one rider and extending downward, its lower end being bent to form feet extending horizontally under the track; said feet being bifurcated to receive the body of a bolt, the pendents having holes near the bend which join the bifurcations, the holes being large enough to admit the head of a bolt, a pair of bolts to screw into the top of a door, their heads being adapted to pass through said holes and hook on the feet

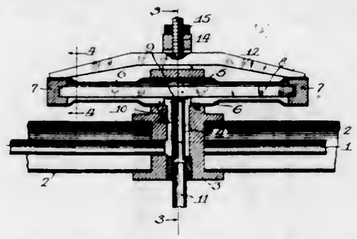
with their bodies in the slots and heads resting on the feet, rectangular washers on said bolts, having flanges to embrace the feet and locate the washers, said washers having slots which permit the bolts to move a limited distance in the feet while preventing the bolts slipping out of the slots, and nuts on the bolts whereby the bolts are rigidly secured to the feet.

1,462,695. COMPRESSOR. CHARLES C. HANSON and JOHN TWARDOWSKY, Chicago, Ill., assignors, by mesne assignments, to Universe Corporation, Chicago, Ill., a Corporation of Illinois. Filed May 13, 1921. Serial No. 469,110. 6 Claims. (Cl. 230—6.)



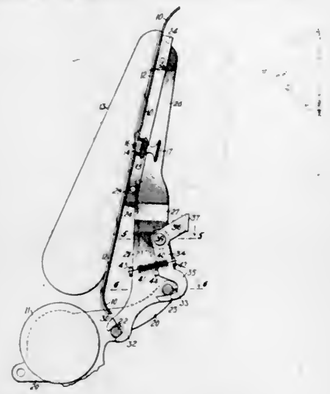
1. In a compressor, a cylinder, a cap closing one end thereof, and a cylinder head positioned within the cap with freedom for slight movement in all directions, the cap having a head-movement stopping portion in axial alinement with the cylinder and an outlet bore extending through the said stopping portion.

1,462,696. EXPANSION VALVE. CHARLES C. HANSON and JOHN TWARDOWSKY, Chicago, Ill., assignors, by mesne assignments, to Universe Corporation, Chicago, Ill., a Corporation of Illinois. Filed May 21, 1921, Serial No. 471,433. Renewed Feb. 8, 1923. 18 Claims. (Cl. 251—139.)



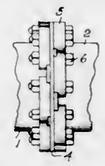
5. A valve comprising a supporting member, a flexible tube secured intermediate of its ends to the supporting member, the ends of the tube being closed and the supporting member having a pair of ports opening into the bore of the tube, a stiff bar disposed in the tube longitudinal thereof and fastened at its ends to the ends of the tube, a closure element carried by the bar and disposed for closing one of the said ports, and means for moving the tube ends with respect to the supporting member so as to move the bar and the closure element with respect to the last named port.

1,462,697. TYPEWRITING MACHINE. FREDERICK A. HART, New Britain, Conn., assignor to Remington Typewriter Company, Ilion, N. Y., a Corporation of New York. Filed Dec. 13, 1921. Serial No. 522,009. 12 Claims. (Cl. 197—143.)



1. In a typewriting machine in which a paper carriage is included, a paper table having standards with locking devices mounted on and movable with relation to them, the standards being formed to fit on and engage with the frame of the paper carriage, and the locking devices being formed and arranged to engage with said frame and being movable by hand from engagement therewith.

1,462,698. PIPE COUPLING. ROGER F. HAUGHEY, McKeesport, Pa. Filed Sept. 25, 1922. Serial No. 590,239. 3 Claims. (Cl. 285—140.)

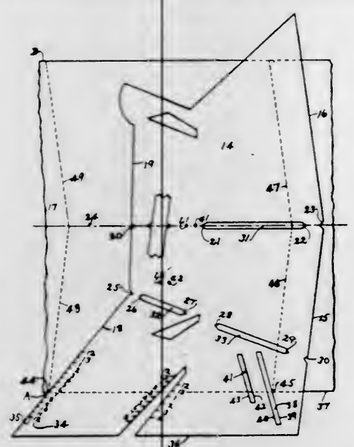


1. In a flange pipe coupling, the combination with a pair of pipes having flanges at their meeting ends, of a clamp formed of small segments alternately engaging the opposite outer faces of the flanges and arranged in staggered relationship with each other, the ends of each segment overlapping the adjacent ends of a pair of adjacent segments on the opposite side of the flanges, a rigid retaining ring arranged between the flanges, and clamping bolts extending through the retaining ring and the ends of the clamping segments.

1,462,699. MEANS FOR MEASURING OR MARKING OFF THE SIZES OF HALF SOLES OF BOOTS AND SHOES. DENIS HAYES, Limerick, Ireland. Filed Apr. 27, 1921. Serial No. 464,799. 6 Claims. (Cl. 33—5.)

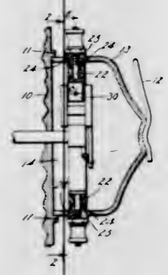
1. Means of the kind described herein for measuring or marking off half soles of men's and women's boots and shoes to unfinished outlines, comprising a marking off plate 14 having at one end a pair of edges 15 and 16 arranged at a predetermined angle to each other and adapted for marking off on a range of material four outer sides 46, 47, 48 and 49 of a double pair of opposing half soles, forming the opposite end of said plate with a pair of edges 18 and 19 also arranged at a predetermined angle and adapted for marking off corresponding inner

and adjacent sides 50 and 51 of said double pair of opposing half soles, in a line at right angles to the edge 19 aforesaid, notches 20, 21, 22 and 23 formed in said plate and adapted for centering it on a centre line 24 on said range in marking off position, on a line bisecting the



apex of edges 18 and 19 a centering notch 25 in line with centering notches 26, 27, 28, 29 and 30 formed in said plate and adapted for centering it on centre line 24 in marking off position, on said edge 18 marked numbers corresponding to sizes of men's and women's half soles.

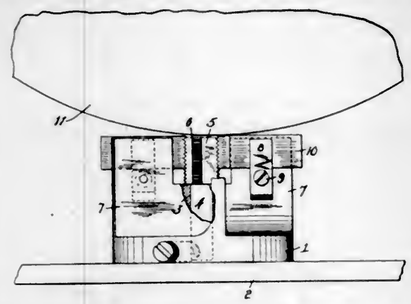
1,462,700. TIMER. ARTHUR W. HOLWAY, Los Angeles, Calif. Filed Mar. 20, 1919. Serial No. 283,782. 3 Claims. (Cl. 200—26.)



1. In a device of the character described, a shell split circumferentially into two parts, the opposing edges of the two parts of the shell having registering notches therein, a contact carrying ring within the shell, contacts set in said ring and having radially projecting studs which project outwardly through the ring and through the notches in the two parts of the shell, and means to clamp the two parts of the shell together and clamp their notches around said studs.

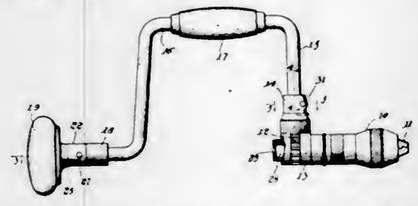
1,462,701. METHOD AND MEANS FOR TRUING CHASER BARS. CONRAD JOBST, Toledo, Ohio, assignor to Robert L. Ellery, Toledo, Ohio. Filed Jan. 10, 1921. Serial No. 436,080. 6 Claims. (Cl. 76—101.)

1. The method of truing a thread cutting chaser bar, which consists in placing the threaded end of a chaser in true interfitting engagement with the thread of a gauge part, then securing the bar in rigid relation to the



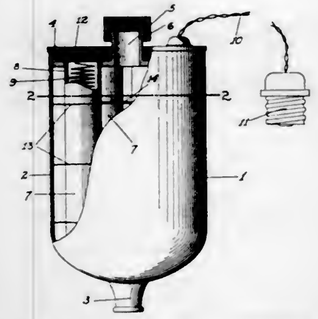
gauge part, and then acting on an exposed part of the chaser bar to true the same.

1,462,702. BRACE. EWALD E. JOHNSON, St. Charles, Ill. Filed May 8, 1922. Serial No. 559,234. 2 Claims. (Cl. 145—70.)



1. A brace comprising a chuck member having a counterbored rear end, a U-shaped crank carried by said chuck and operable therewith and having a counterbored outer end, a removable hand grip having latch dogs pivotally carried thereby and adapted, respectively, to engage said respective counterbores, and means for movably securing said crank to said chuck whereby said crank may be adjusted to a position at right angles to its normal position and thereby provide a lever at substantially a right angle to the axis of the chuck.

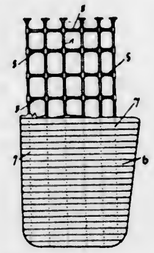
1,462,703. ELECTRIC WATER HEATER. WALTER S. JONES, Orwood, Calif. Filed Sept. 13, 1921. Serial No. 500,389. 3 Claims. (Cl. 219—39.)



1. An electric water heater comprising a casing adapted to be filled with water and connected at one end to a source of water supply and provided with an outlet at the other end, said casing being divided into

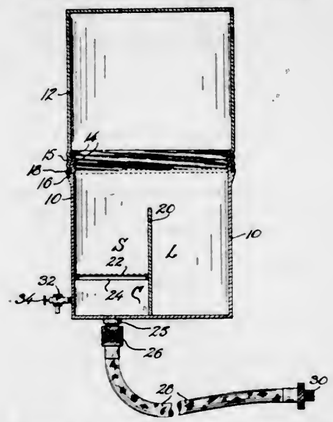
a plurality of compartments between the intake and outlet of the casing, electric heating elements in the casing projecting into the compartments, and means for retarding the passage of the water into and out of the compartments from the intake to the outlet of the casing.

1,462,704. FLYING-MACHINE SUPPORTING SURFACE. HUGO JUNKERS, Aachen-Frankenburg, Germany. Filed June 26, 1920. Serial No. 392,141. 11 Claims. (Cl. 244—31.) (Granted under the provisions of the act of Mar. 3, 1921, 41 Stat. L., 1313.)



1. In a flying machine surface in combination, a plurality of longitudinal girders and a sheet-metal covering surrounding the said girder structure and connected therewith in a plurality of places, said sheet metal covering being provided with narrow corrugations substantially uniformly extending in the direction of flight over the entire length of said covering.

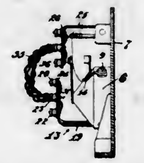
1,462,705. GAS GENERATOR. JOSEPH M. KIRBY and BERT E. HARTSON, Boulder, Colo. Filed Mar. 3, 1921. Serial No. 449,494. 3 Claims. (Cl. 23—3.)



1. A portable inflating device comprising a container adapted to be inverted having at one end a liquid-receiving chamber and a solid-receiving chamber, the other end being adapted to receive liquid and solid as it falls from said chambers when inverted, and a hose leading from the container to conduct gas generated therein.

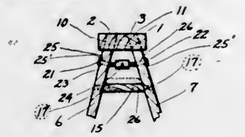
1,462,706. IGNITION WIRING AND CONDUCTOR FOR INTERNAL-COMBUSTION ENGINES. DONALD H. LADD, Torrance, Calif. Filed Apr. 21, 1921. Serial No. 463,285. 4 Claims. (Cl. 123—146.5.)

1. An ignition wiring and conductor attachment for timers embodying an oscillatory shell, and a series of binding posts on said shell, and a series of conductors attached to said binding posts and formed to provide a stiff bracket projecting from the end of the shell, and



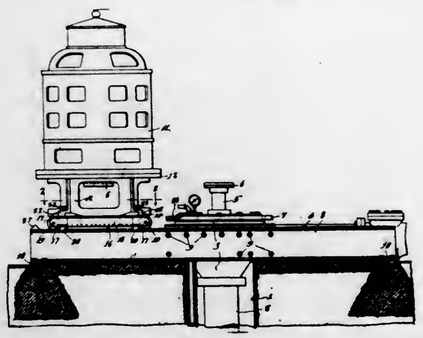
flexible conductors connecting with said bracket conductors substantially in alignment with the axis of rotation of said shell.

1,462,707. SAWHORSE. JAMES M. LAWLOR, Topeka, Kans. Filed June 12, 1922. Serial No. 567,766. 5 Claims. (Cl. 304—5.)



1. A saw horse comprising an elongated, horizontal top member having vertical slots therein inclined toward the longitudinal center of the top member, legs at the respective ends of the top member having tenons received in said slots, and a turnbuckle between each pair of legs, the turnbuckle comprising inwardly extending bolts projecting through complementary legs and provided with aligning threaded ends, the headed portions of the bolts passing through lateral holes in the legs at angles to the axes of the threaded portions and a threaded sleeve for each pair of bolts adapted to be turned to draw the threaded ends of the bolts together to force the tenons into the inclined slots in the ends of the top member.

1,462,708. MOVABLE POWER UNIT. MAHLON E. LAYNE, Houston, Tex. Filed Sept. 5, 1922. Serial No. 586,348. 8 Claims. (Cl. 103—87.)



1. A power unit adapted to be secured in a position of operative connection with a driven mechanism, and means for elevating said power unit and translating it laterally away from said mechanism, said means including laterally extended tracks, truck members upon said track, and elevating means operative in one instance to elevate the power unit from position of use and support it upon the trucks for lateral translation, and in another instance to lower the power unit to position of use free from support by said trucks.

1,462,709. METHOD OF PRODUCING REEDLIKE ARTICLES. MARSHALL B. LLOYD, Menominee, Mich., assignor, by mesne assignments, to Levi H. Greenwood and George A. Keyworth, both of Gardner, Mass., and William E. Holman, Leominster, Mass., trustees. Filed Aug. 20, 1920. Serial No. 404,794. 1 Claim. (Cl. 147—48.)



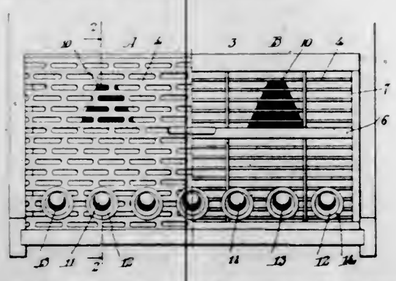
The herein described method of producing reed-like articles that consists in securing a metal binder strip to the edge of a stake and strand reed-like fabric in an enclosing relation thereto, folding the edge portion of the fabric containing the metal binder strip back upon itself to dispose the binder strip wholly upon one side of the fabric, forming thereby an edge and a contiguous portion on one side that discloses only the strands of which the fabric is composed, and in securing the fabric to the frame by separating the outer filler strands, driving the fastening devices through the metallic binder strip and restoring the filler strands to initial position to cover the said fastening devices.

1,462,710. METHOD OF PRODUCING REED ARTICLES. MARSHALL B. LLOYD, Menominee, Mich., assignor, by mesne assignments, to Levi H. Greenwood and George A. Keyworth, both of Gardner, Mass., and William E. Holman, Leominster, Mass., trustees. Filed Aug. 20, 1920. Serial No. 404,795. 4 Claims. (Cl. 147—48.)



1. The method of producing reed articles that consists in providing a frame, in providing an independently woven piece of reed fabric having along one side thereof a portion that is composed only of filler strands and the ends of which are secured by a binder strip, and in securing the fabric to the frame so that the filler strand portion is positioned over the frame member with the binder strip upon the rear side of said frame member.

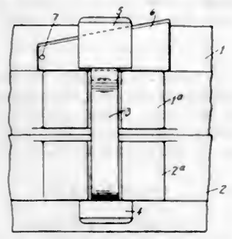
1,462,711. ENTRANCE FOR HIVES. MICHAEL V LOVETT, Castanea, Pa. Filed Mar. 18, 1922. Serial No. 544,792. 4 Claims. (Cl. 6—4.)



1. In a device of the class described, a reticulated wall, a thimble member of substantially frusto-conical shape anchored in said wall with its larger end disposed therethrough, and a foraminous open ended cone member secured to said thimble at the inner or smaller end thereof and projecting rearwardly from said thimble member.

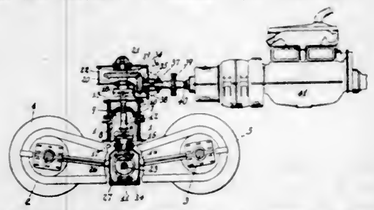
3. The combination with the reticulated outer wall of a bee hive separating the interior from the exterior thereof; of cone members open at both ends arranged in said wall with their larger ends disposed upon the exterior of the wall and the smaller inner ends of the cones disposed interior of said wall.

1,462,712. CLAMPING BOLT FOR TIRE MOLDS. EDWARD LUX, San Diego, Calif. Filed Aug. 9, 1921. Serial No. 490,902. 1 Claim. (Cl. 85—7.)



A device of the class described, including a bolt with a large abruptly extending head on each end, the head on one end provided with a tapered slot therein and a conforming wedge reciprocably mounted in said slot.

1,462,713. CENTER DRIVE FOR GASOLINE-PROPELLED CARS. CALVIN R. MANBERT, Oakland, Calif., assignor to California Car Company, Oakland, Calif., a Corporation of California. Filed Oct. 24, 1921. Serial No. 509,955. 3 Claims. (Cl. 105—104.)



1. A driving mechanism for car trucks including a vertical shaft, a shaft journaled on the truck, a ball and socket joint joining the truck and the car body, the vertical shaft extending through said ball and socket joint, intermeshing gears on said vertical shaft and said shaft, sprockets on said shaft, sprockets on the axles of the truck, a chain extending over each sprocket on said shaft and a sprocket on one of said axles, and means for driving said vertical shaft.

1,462,714. PENCIL-HOLDING CLIP. THOMAS E. MARCHAND, Sacramento, Calif. Filed Aug. 5, 1922. Serial No. 579,880. 2 Claims. (Cl. 24—81.)

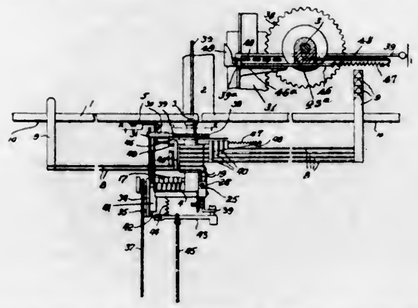


1. A pencil holding device comprising a spring band adapted to frictionally fit onto a finger of a hand, and a spring clip extending outwardly of the band and whose axis is substantially parallel to that of said band; said clip having a side opening through which the pencil is inserted.

1,462,715. MUSIC-LEAF TURNER. FRANK MASH, Detroit, Mich. Filed Mar. 15, 1920. Serial No. 365,696. 6 Claims. (Cl. 84—486.)

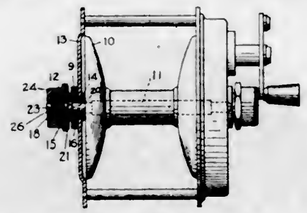
1. In a music leaf turning device, the combination with a ledge, of an arbor carried thereby, a plurality of

spring actuated turning arms carried by said arbor and adapted to be actuated by the springs thereof in one direction, means movably supported from said arbor adapted to cushion movement of said arms, and a re-



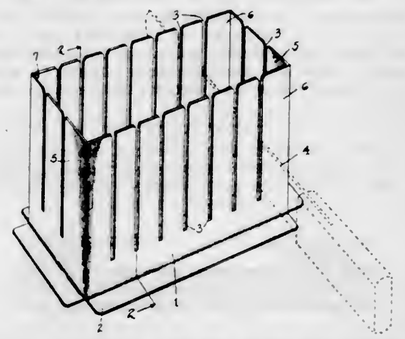
storing mechanism for said arms set by said movable cushioning means and adapted to individually or collectively restore said arms to the original position after having been actuated by the springs thereof.

1,462,716. BEARING. JOSEPH MASIN, New York, N. Y. Filed Dec. 2, 1922. Serial No. 604,472. 6 Claims. (Cl. 64—49.)



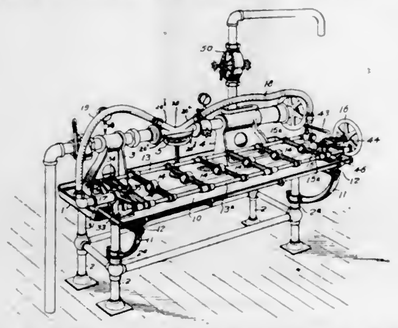
1. A bearing comprising a bearing member, an adjusting screw movable in said member, a constricted slotted head on said screw, and a cap lock nut having an opening in the end wall thereof to receive said head, screwed to the outside of said member and adapted to engage said adjusting screw at the juncture of said head and said screw by abutting thereagainst when said nut is tightened on said member.

1,462,717. SLICER. LORENZO F. MAUS, Chicago, Ill. Filed July 24, 1922. Serial No. 577,167. 7 Claims. (Cl. 107—20.)



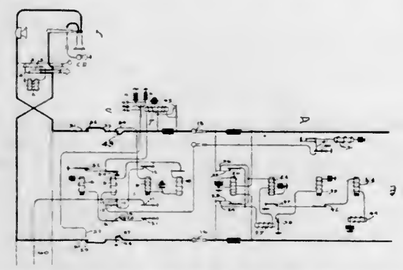
1. In a structure of the class described, the combination of a rectangular holder open at top and bottom, the side and end walls of said holder having opposed vertical knife guiding slots therein, the slots adjacent one side and end being spaced from such side and end a greater distance than the space between the remaining slots permitting the lateral movement of the material as it is sliced, a positioning block adapted to be mounted upon a table or support to receive said holder, and a bottom loosely fitting within said holder and adapted to rest upon said positioning block in which position it projects above the lower ends of the slots and constitutes a slicing block, said bottom being also adapted as an ejector for the sliced material.

1,462,718. MULTIPLE-METER-TESTER APPARATUS. PHILIP MUELLER, Decatur, Ill., assignor to Adolph Mueller, trustee, Decatur, Ill. Filed Jan. 28, 1920. Serial No. 354,597. 8 Claims. (Cl. 73—51.)



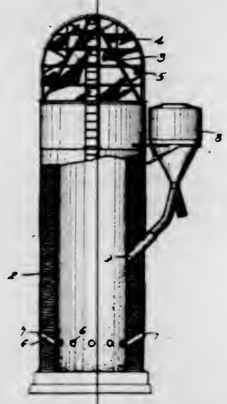
1. In a fluid meter tester, the combination of a table, fluid supply and discharge heads supported by the table, a base supported at one side of the table, with one edge overhanging the top of the table, and adapted to support a plurality of meters, means on the base for establishing communication between the meters supported thereon, and conduits for connecting the end meters of the series on the base with the supply and discharge heads respectively.

1,462,719. MEASURED-SERVICE-TELEPHONE SYSTEM. WILLIAM WALTER OWEN, Oak Park, Ill., assignor to Automatic Electric Company, Chicago, Ill., a Corporation of Illinois. Filed June 14, 1919, Serial No. 304,245. Renewed Mar. 24, 1923. 18 Claims. (Cl. 179—63.)



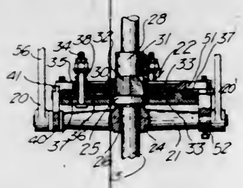
1. In a telephone system, a line, an automatic progressively movable trunking switch individual to said line, wipers for said switch, said line normally disconnected from said wipers, a relay for connecting said line with the wipers when energized, a coin collector for the line having means for either collecting or refunding a coin, and means responsive to the deenergization of said relay for operating the coin collector to either collect or refund a coin.

1,462,720. WASTE-BURNING FURNACE. CLAUDE REES, San Francisco, Calif. Filed Oct. 12, 1921. Serial No. 507,347. 2 Claims. (Cl. 110—18.)



2. A waste burning furnace, comprising a tower-like wall defining a combustion chamber having an imperforate bottom wall upon which the material to be burned accumulates, said wall being provided adjacent said bottom with a plurality of downwardly inclined air inlet passages and being otherwise substantially imperforate.

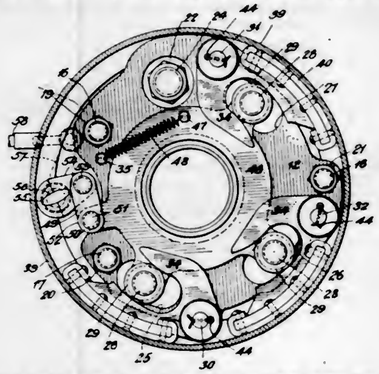
1,462,721. PUMP-PLUNGER ROTOR. SUMNER B. SARGENT, Los Angeles, Calif. Filed Apr. 14, 1922. Serial No. 552,730. 12 Claims. (Cl. 255—14.)



1. In a device of the class described, the combination of: a polished rod; a walking beam; a stirrup connecting said walking beam with said polished rod; a ratchet wheel frictionally mounted on said polished rod: pawl means to actuate said ratchet wheel and thereby rotate said polished rod; and means whereby said ratchet wheel may move downward independently of said polished rod.

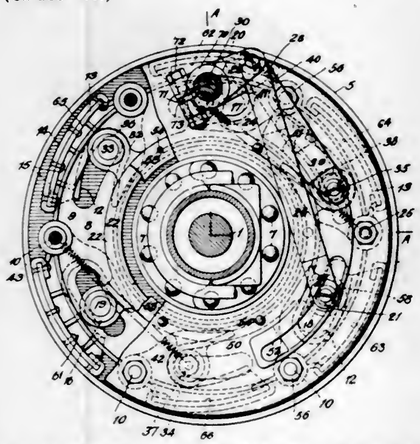
1,462,722. BRAKE. RICHARD SCHMITZ, Chicago, Ill., assignor, to Ferdinand P. Armbruster and Richard Schmitz, trustees, Chicago, Ill. Filed June 8, 1920. Serial No. 387,358. 3 Claims. (Cl. 188—78.)

1. A brake comprising the combination with a brake drum, of an apertured plate, the apertures being located to clear the standard fastenings, means to hold said plate against rotation, a plurality of pivot pins fixedly mounted in said plate, a plurality of brake shoes pivoted on said pins, having arcuate slots therein and friction engaging surfaces to engage the inner surface of the brake drum, a rotatable spider in spaced relation to the axle, pins carried by said spider, a plurality of rollers on said pins which engage the slots in the brake shoes, a link one end of which is pivotally secured to said spider, a lever to which the other end is secured, a bearing in which said lever oscillates, a brake rod, an arm secured thereto, the other end of which is provided with a laterally extending portion which is fitted to and engages with an elongated slot in the said oscillating lever whereby when the brake rod is



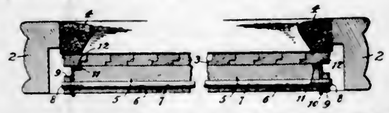
moved, the spider is rotated and the rollers cause the brake shoes to engage the brake drum.

1,462,723. BRAKE FOR AUTOMOBILES. RICHARD SCHMITZ, Chicago, Ill., assignor to Ferdinand P. Armbruster and Richard Schmitz, trustees, Chicago, Ill. Filed June 16, 1920. Serial No. 389,300. 10 Claims. (Cl. 188—79.)



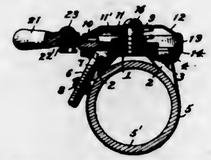
1. The combination with a brake drum of a fixed supporting plate, a plurality of brake shoes pivotally mounted on said plate, a right hand and a left hand spider, rotatable means carried thereby which actuate the brake shoes, means to cause said rotatable means to actuate a portion of said shoes and means to actuate the remainder of said shoes.

1,462,724. GAME BOARD. HARRY R. SEAVEY, Portland, Me., assignor to The C. T. Burrowes Company, Portland, Me. Filed Apr. 27, 1920. Serial No. 376,912. Renewed Apr. 9, 1923. 13 Claims. (Cl. 46—13.)



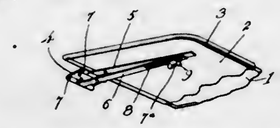
1. In a game board, a bed, a girder secured to the under surface of the bed, and means passing through the girder and engaging the ends thereof for flexing the same.

1,462,725. CARBURETER CONTROL. JOHN W. SWAN, Stamford, Conn. Filed Aug. 26, 1919. Serial No. 319,878. 7 Claims. (Cl. 74—39.)



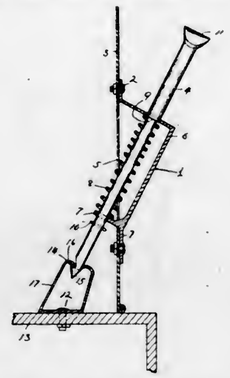
1. A control device comprising a base, a lever pivotally connected to the base, an adjustable sleeve extending through the lever and having a transversely extending opening therein, a valve operated member having one end extending through the transversely extending opening of the sleeve, and means for adjusting the sleeve to tightly grip the valve operating member against the lever.

1,462,726. GLARE SHIELD FOR AUTOMOBILES. HENRY W. VOSS and CHARLES A. BALZER, Cincinnati, Ohio, assignors to The Monarch Carriage Goods Company, Cincinnati, Ohio, a Corporation of Ohio. Filed Nov. 22, 1920. Serial No. 425,676. 3 Claims. (Cl. 296—95.)



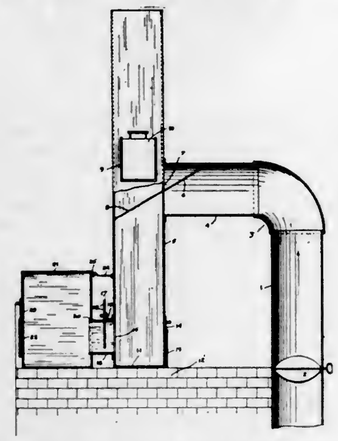
1. In a device of the character described, a shield member, an arm secured to said shield member, a plate secured to the car body, said plate being formed with two sets of hinge knuckles to one of which sets the arm is hinged, and another arm hinged to the other set o knuckles, and adjustable means for securing said other arm to the shield member in desired adjusted positions thereof on said hinge.

1,462,727. FASTENER FOR AUTOMOBILE HOODS. HARRY S. WILLIAMS, Detroit, Mich. Filed Feb. 14, 1921. Serial No. 444,822. 5 Claims. (Cl. 292—60.)



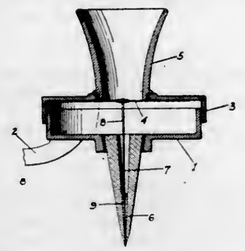
1. The combination of a movable member of an automobile hood, with an anchorage adapted to be secured within the hood and provided with a pair of cooperating yieldable jaws, a fitting adapted to be secured over an opening through the movable member, a latch member longitudinally reciprocable in the fitting through the opening obliquely to the hood for detachably inter-locking with the jaws of the anchorage and a spring member in compression between the latch member and the fitting for yieldingly forcing the fitting and member in the general direction of the latch toward the anchorage.

1,462,728. SPARK ARRESTER. CHARLES D. WRIGHT, San Francisco, Calif., assignor of one-half to Carl G. Trefz, San Francisco, Calif. Filed Feb. 18, 1922. Serial No. 537,562. 2 Claims. (Cl. 183—66.)



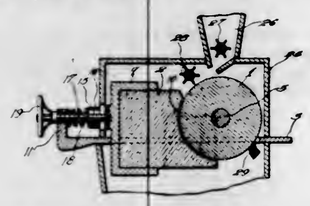
1. A spark arrester embodying in its construction a flue section thru which products of combustion from a furnace and the like are adapted to pass, an upright flue section having communication at a point intermediate of its ends with one end of said first named section being open at its upper end and closed at its lower end, a baffle member extending downwardly and forwardly from the upper side of the first named flue section to a point where said section is connected with the upright section, and a screen extending from said baffle member so as to lie in the path of the products of combustion rising in said upright section.

1,462,729. METHOD OF AND APPARATUS FOR MAKING PHONOGRAPH RECORDS. GIACOMO ALLEGRETTI, Stockton, Calif. Filed Jan. 22, 1921, Serial No. 439,188. Renewed Dec. 28, 1922. 3 Claims. (Cl. 274—32.)



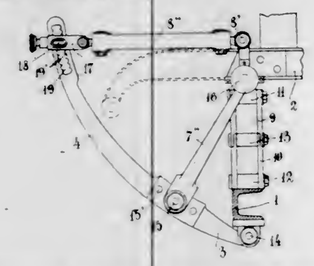
1. An apparatus for the purpose described including a diaphragm adapted to be acted on by the sound-waves produced, a capillary tube containing an etching fluid positioned under the diaphragm, said tube being placed immediately adjacent the record-blank to be etched, and meai connected to the diaphragm and acting on the liquid for causing the liquid to be projected from the tube in minute drops bearing a distinct relation to the magnitude and length of the sound-waves causing the diaphragm to vibrate.

1,462,730. MACHINE AND PROCESS FOR REMILLING FINISHED FLOUR TO BLEACH SAME AND OPEN STARCH CELLS. WILLIAM G. ANDREWS, Chicago, Ill. Filed Nov. 19, 1920. Serial No. 425,070. 8 Claims. (Cl. 83—14.)



1. A machine for remilling finished flour comprising two relatively movable members arranged adjacent to each other and made of stones each of uniform hardness throughout but differing from the other in degree of hardness, one of said stones having large pores and the other having small pores, and both of said stones being smooth and being capable of taking a polish at the points of contact with each other.

1,462,731. SHOCK ABSORBER. GIUSEPPE ANTONELLI, Turin, Italy. Filed Apr. 27, 1921. Serial No. 464,828. 1 Claim. (Cl. 267—20.)



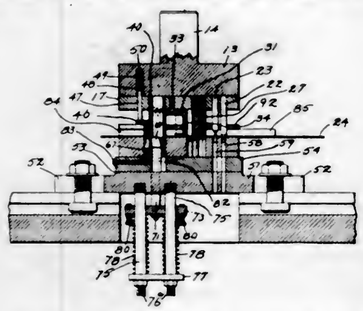
A device for resiliently connecting the axle with the frame of a vehicle, comprising an arm having one end pivotally connected to the axle, a rod pivotally connected to the frame and to an intermediate point of said arm, said arm having a slot at its free end; a buffer comprising a rigid member pivotally connected at one end with the frame, a member slidable in said rigid member and engaging the slot of said arm and resilient means between said two members, and a bar connecting the free end of the rigid member of said buffer with the axle of the vehicle.

1,462,732. PRODUCTION OF PHOSPHORUS OXYCHLORIDE. ROLAND L. ANDREAU, Wilmington, Del., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a Corporation of Delaware. Filed Oct. 26, 1920. Serial No. 419,753. 3 Claims. (Cl. 23—10.)

1. The process of making phosphorus oxychloride which comprises bringing phosgene into contact, at a temperature between about 300 and 500° C., with a phosphate of a metal capable of forming a chloride which is fusible at the temperature of the reaction.

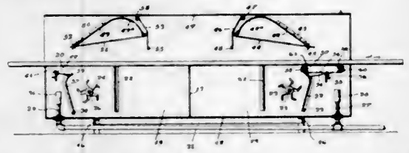
1,462,733. COMPOUND PROGRESSIVE PUNCH AND DIES. GEORGE BECHERER, Jr., St. Louis, Mo., assignor to Empire Stamping Tool & Manufacturing Company, St. Louis, Mo., a Corporation of Missouri. Filed June 20, 1921. Serial No. 478,812. 8 Claims. (Cl. 153—2.)

1. A compound punch and die, comprising a punch member having a plurality of punches secured thereto, some of said punches acting as combined punches and formers, some as punches only, some as formers only, and some having dies formed therein, a die with which



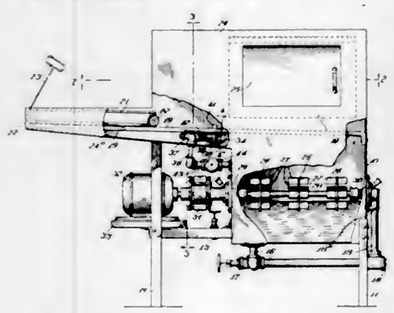
said punches coact, said last mentioned die being equipped with punches to coact with the dies formed in the punches, and means for securing the punch and die to a punch press.

1,462,734. WASHING MACHINE. GEORGE S. BLAKESLEE, Chicago, Ill. Filed July 23, 1917. Serial No. 182,251. 11 Claims. (Cl. 141—9.)



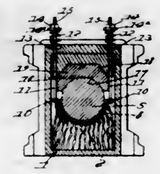
6. A washing machine comprising a tank, a hood extending thereover, means for supporting the articles to be washed over said tank, means in said tank for throwing water upward into contact with the articles to be washed, an overhead deflector in said hood overlying said water throwing means and the articles to be washed, and a depending curtain adjacent to one end of said deflector.

1,462,735. WASHING MACHINE. GEORGE S. BLAKESLEE, Oak Park, Ill. Filed Nov. 10, 1919. Serial No. 337,001. 6 Claims. (Cl. 141—9.)



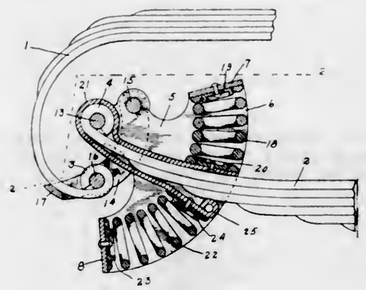
1. A washing machine comprising a housing open at one end and closed at the other, a track extending into said housing toward the closed end thereof, a tank under the inner end portion of said track, means located beneath said track and rotating about an axis disposed longitudinally thereof for throwing water from said tank upward, and a carriage for the articles to be washed movable back and forth on said track.

1,462,736. LUBRICATING JOURNAL BOX FOR CAR AXLES. HARRY V. BODDY, Marceline, Mo. Filed Feb. 16, 1921. Serial No. 445,426. 4 Claims. (Cl. 64—35.)



3. In a lubricating journal box, an axle journal, a journal box therefor having means at one end for the reception and support of an axle, a bearing plate in the boxing for engagement with said journal, a retaining plate between the upper wall of the boxing and the bearing plate, a lubricant wool waste feed for the journal including a plate, tensioned bolts operatively mounted on the upper wall of the boxing and operatively connected to the plate carrying the wool waste feed, said bolts engaging the sides of the bearing plate, acting to hold the bearing plate in place, and abutments carried by the retaining plate and operatively engaging with the bolts, not only to hold the retaining plate in position with relation to the bearing plate, but at the same time acting to hold the bearing plate in position.

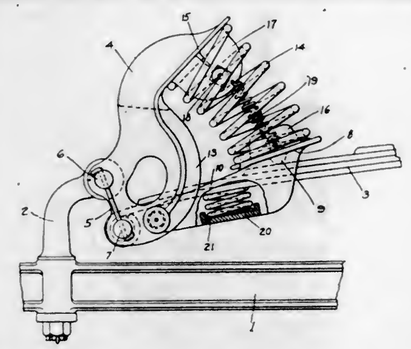
1,462,737. COMBINED SHOCK ABSORBER AND REBOUND CHECK FOR MOTOR-PROPELLED VEHICLES. GEORGE G. F. BOSWELL, Indianapolis, Ind. Filed Aug. 11, 1921. Serial No. 491,501. 12 Claims. (Cl. 267—29.)



1. In a combined shock absorber and rebound check for vehicles the combination with a body spring and means for pivotally suspending the body of the vehicle from said body spring, of yielding means on opposite faces of the body spring for absorbing shock and rebound and a clip slidable over the end of said body spring forming an anchor for said yielding means.

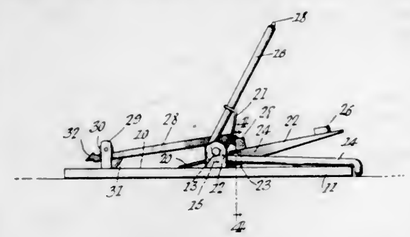
1,462,738. REBOUND-CHECK SHOCK ABSORBER. GEORGE G. F. BOSWELL, Indianapolis, Ind. Filed Apr. 17, 1922. Serial No. 553,662. 6 Claims. (Cl. 267—17.)

1. In a rebound check shock absorber, a combined compressing arm and shackle, means for pivotally connecting said arm and shackle to a perch hanger and body spring of an automobile, a base member, means for pivotally securing the base member to parts of the compress-



ing arm, a shock absorber spring between said compressing arm and base, and a rebound spring carried by parts of said base and positioned below the body spring.

1,462,739. ANIMAL TRAP. CHARLES A. CHAMPLIN, Hope, Ark., assignor of thirty-five per cent to Richard E. Rutledge, Hope, Ark. Filed Mar. 20, 1922. Serial No. 545,166. 2 Claims. (Cl. 43—81.)

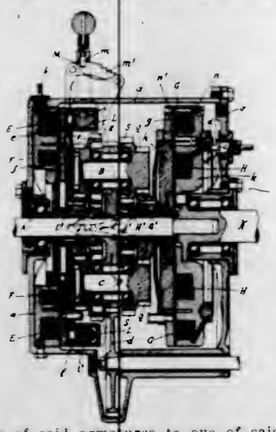


2. An animal trap including a base, a trigger fulcrumed upon the base, a spring actuated jaw pivotally secured to the base and normally urged toward the base, an arm extending from the jaw and disposed at an angle thereto, a latch member having one terminal pivotally secured to the trigger and mounted for longitudinal sliding movement upon the base, and means carried at that end of the latch member which is remote from the trigger for operably engaging the arm and moving the latch member into position to engage and hold the arm against the tension of spring which urges the jaw towards the base.

1,462,740. CHANGE-SPEED GEAR MECHANISM. JEAN COTAL, Puteaux, France. Filed June 28, 1920. Serial No. 392,459. 2 Claims. (Cl. 74—34.) (Granted under the provisions of the act of Mar. 3, 1921, 41 Stat. L., 1313.)

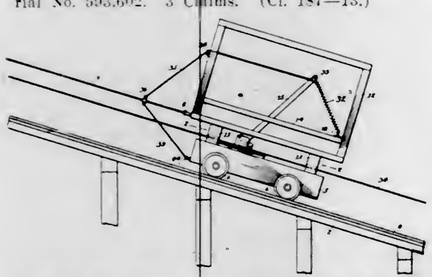
1. A change speed gear comprising a drive shaft, a driven shaft, a frame having bearings for said shafts, two pairs of sun gears of different diameters loose on said drive shaft and revoluble independently of one another, an element fast to the drive shaft and having bearings, intermediate shafts mounted in said bearings of said element and having pairs of planet gears of different diameters at their ends and which respectively engage the sun gears, armatures, one of which is secured to each of the sun gears for rotation therewith, fixed electro-magnets for coaction respectively with the

armatures of the sun gears of one pair, electro-magnets arranged for rotation with the driven shaft for coaction respectively with the sun gears of the other pair, means



to lock one of said armatures to one of said revolubly mounted electro-magnets, and mechanically actuated braking means for one of the armatures which coacts with the fixed electro-magnets.

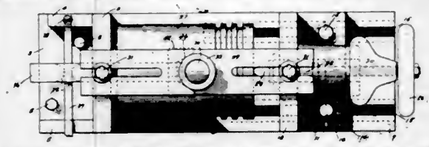
1,462,741. SAFETY BRAKE FOR CARS, ETC. SHELTON A. CROW, Glomawr, Ky. Filed Oct. 10, 1922. Serial No. 593,602. 3 Claims. (Cl. 187—13.)



3. In a car brake, a car, a draft cable attached to said car, at its forward end, a brake lever, a fixed centrally disposed brake plate on said car, a pair of spaced longitudinal, vertical flanges secured to said plate, said brake lever being pivoted to, and between said vertical flanges at their upper forward ends, a pivoted brake shoe pivotally mounted on a rearward extension of said brake lever adjacent its pivot, a fixed brake cable passing longitudinally thru said car and disposed between said fixed brake plate and said brake shoe, a rope connected at one end with the upper end of said brake lever and fixed at its other end to said draft cable in advance of said car and adapted to maintain said lever in elevated position to lift said brake shoe, and a tension spring connected respectively at its ends with the upper end of said lever and with a fixed part of the rear of said car, and adapted to urge said lever rearwardly upon a slack in the draft cable, and whereby said brake shoe is permitted to grip said fixed brake cable to said fixed brake plate on said car.

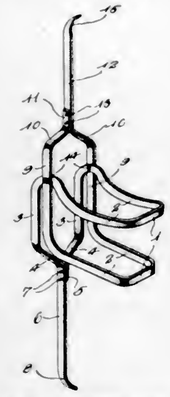
1,462,742. POSITIONING MEANS FOR PISTONS. LEWIS R. DAVIS and ROBERT M. HUGHES, San Francisco, Calif. Filed Oct. 10, 1921. Serial No. 506,795. 5 Claims. (Cl. 77—62.)

1. A drill jig for holding pistons having an internal stud, comprising means for axially supporting the tube and means engaging the stud for adjusting its position relative to the axis of the tube, said means comprising a fork having two inclined inner surfaces adapted to en-



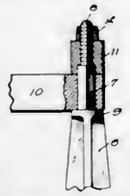
gage the stud and sliding means for intensifying the engagement whereby the stud is forced into a central position relative to the fork.

1,462,743. YOKE FOR CATTLE. PERRY C. GALLAWAY, De Queen, Ark. Filed Aug. 10, 1922. Serial No. 580,942. 5 Claims. (Cl. 119—139.)



1. A restraining yoke comprising pivoted elements, one having a gripping portion for extending above the nose and the second having a gripping portion for extending beneath the lower jaw of an animal, and means for moving said gripping portions towards each other into position for biting engagement with the nose and lower jaw of the animal.

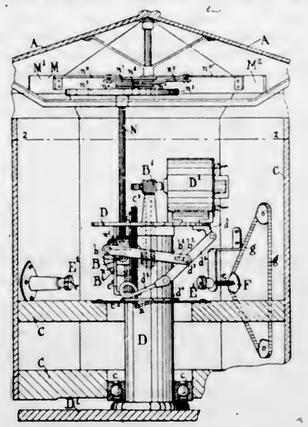
1,462,744. ATTACHMENT FOR MOTOR VEHICLES. JAMES F. GARVEY, Lincoln, Nebr. Filed June 13, 1922. Serial No. 568,067. 3 Claims. (Cl. 224—29.)



1. In a luggage carrier for motor vehicles, a clamp adapted to be secured to the running board of the vehicle, a standard extending upwardly from said clamp, said standard being provided with a squared portion, a pair of arms having squared openings adapted to be arranged on said standard at right angles to each other, and means for retaining said arms on said standard.

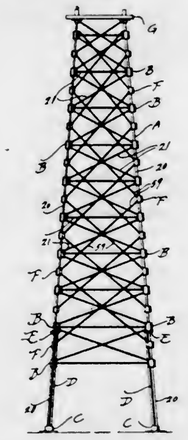
1,462,745. ADVERTISING DEVICE. WILLIAM STEPHEN COX GLOVER, London, England. Filed June 10, 1922. Serial No. 567,390. 5 Claims. (Cl. 40—33.)

1. In an advertising device of the type referred to the combination with the picture groups and the central pillar about which they rotate of a frame carrying the picture groups rotating about said pillar, a continuously rotating shaft carried by the frame, a pinion on said shaft, a driving pinion for each picture group engaged



in turn by the pinion on the rotating shaft, a crank on the continuously rotating shaft, links connected to said crank, a pawl actuated by said links and a plate affixed to the frame and engaged by the pawl to rotate the frame intermittently.

1,462,746. REENFORCING STRUCTURE FOR DERRICKS. CLYDE J. GOUGLER, Tulsa, Okla. Filed Nov. 11, 1920. Serial No. 423,380. 11 Claims. (Cl. 189—13.)

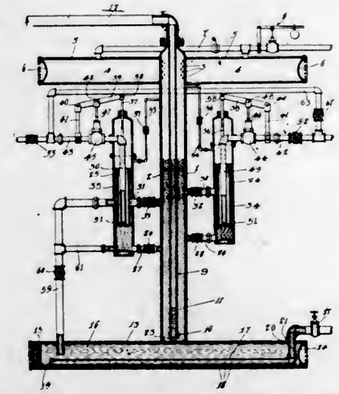


1. In a reenforcing structure for derricks, the combination with a derrick structure, of auxiliary reenforcing legs, base plates for supporting said derrick structure and auxiliary reenforcing legs, and means detachably connecting said auxiliary reenforcing legs to the derrick structure.

1,462,747. CEMENT. HARRY GARRISON HALL, Cottonwood, Ariz. Filed Oct. 24, 1921, Serial No. 510,087. Renewed May 22, 1923. 2 Claims. (Cl. 106—8.)

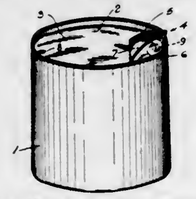
1. A sealing material for radiators consisting of Portland cement, glue, rosin, lampblack, and sufficient water to form a plastic.

1,462,748. METHOD OF PREVENTING EMULSIFICATION OF OIL DISCHARGING FROM OIL WELLS. RICHARD GIRARD JONES, Los Angeles, Calif., assignor to Brown Process Company, Los Angeles, Calif., a Corporation of California. Filed July 6, 1920. Serial No. 394,067. 9 Claims. (Cl. 196—25.)



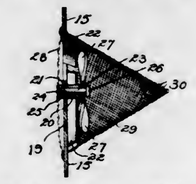
3. The method of preventing emulsification of oil discharging from an oil well, which includes introducing the mixture of oil, water and gas at the well discharge pressure into a column of oil and water under less pressure and under greater pressure than atmospheric below the surface thereof, discharging the gas from the space above the column as it rises, discharging oil and water at different levels from the first column into other liquid columns respectively under the less pressure, and finally discharging the liquids from said other columns.

1,462,749. COLLAPSIBLE SPOUT FOR CANS. ROBERT KEITH HALL, Denver, Colo. Filed Jan. 23, 1923. Serial No. 614,402. 1 Claim. (Cl. 221—11.)



A can having a flat end wall, a spout of thin flexible material consisting of a triangular shaped base member secured to said flat wall, said base member being bounded on two sides by a continuous upstanding wall, said side walls being capable of being folded flat upon said base member.

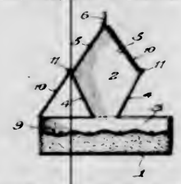
1,462,750. FUEL-MIXING DEVICE. GEORGE M. HART, Des Moines, Iowa. Filed Jan. 9, 1922. Serial No. 527,936. 1 Claim. (Cl. 48—180.)



A fuel mixing device comprising a plate adapted to be interposed between a carburetor and the intake manifold of an engine, said plate having a pair of openings

therein for attaching it in position and having an enlarged opening adapted to register with the openings in the carburetor and the intake manifold, an inwardly inclined flange formed on the edge of said last opening, said flange being designed to project into said intake manifold, a cone shaped screen secured to said plate and adapted to extend over said last opening, a second screen on said plate on the opposite side of said cone shaped screen, said screen being of different meshes, a web extended across said last opening, a fan blade rotatably mounted on said web and received between said screens, and revoluble by the suction for intake manifold, whereby full mixture will be drawn through the fan blade causing it to revolve and be broken up as stated.

1,462,751. POULTRY FEED BOX. FREDERICK T. HUNTINGTON, North Bennington, Vt. Filed Dec. 4, 1919. Serial No. 342,425. 3 Claims. (Cl. 119—61.)



1. A poultry feed box, comprising a box body open at its top, a fixed guard above the box body comprising fixed reversely inclined upper and lower walls, the lower wall inclining upwardly and forwardly and the upper wall inclining rearwardly and upwardly, and a cover hinged to the guard at or near the juncture of its walls and adapted when open to fold and rest upon the upper guard wall and when closed to lie approximately in the plane thereof.

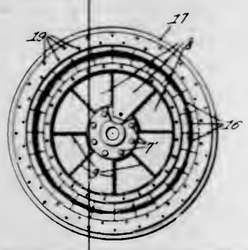
1,462,752. CARBON CATALYST. CHARLES B. JACOBS, Wilmington, Del., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a Corporation of Delaware. Filed July 22, 1919. Serial No. 312,610. 7 Claims. (Cl. 23—288.)

5. A catalyst consisting essentially of finely subdivided carbon capable of becoming ignited in a current of air at a temperature substantially below 370° C.

1,462,753. DESENSITIZED EXPLOSIVE. WILLIAM HILLES WARD, Swarthmore, Pa., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a Corporation of Delaware. Filed July 31, 1918. Serial No. 247,598. 5 Claims. (Cl. 52—11.)

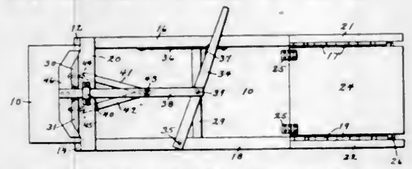
1. A desensitized explosive composition containing a nitrated carbohydrate, an inorganic nitrate, water, and an oil.

1,462,754. WHEEL. HENRY JEWETT ADAMS, Denver, Colo. Filed Apr. 27, 1921. Serial No. 464,810. 1 Claim. (Cl. 301—64.)



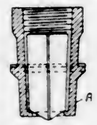
In a wheel construction, the combination of a sectional hub and a rim associated therewith, a body portion including a plurality of sections, each of said sections comprising a metallic plate, each of said plates having inwardly extended flanges formed along the side edges thereof, said flanges being disconnected from the plate throughout portions of their lengths, the ends of said flanges being bent inwardly to provide supporting surfaces, the outer ends of said plates adapted to be secured to the rim, the inwardly extended outer ends of the flanges adapted to engage the rim, the inwardly extended flanges of the inner ends of the plates adapted to rest on the hub, portions of the inner ends of the plates extending between sections of the hub, and means for securing the plates together.

1,462,755. COMBINATION ANIMAL CRATE. ABRAHAM L. ALLRED, Corydon, Iowa. Filed Apr. 18, 1922. Serial No. 554,017. 2 Claims. (Cl. 119—99.)



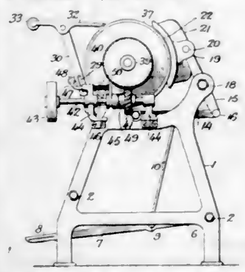
1. An animal-catching crate, comprising an enclosure, a pair of doors hinged at their outer margins at one end of the enclosure, a lever arranged for oscillation, an operating bar slidably mounted and having pivotal connections with said lever, flexible connections between said operating bar and the free marginal portions of said doors, a ratchet adapted to be engaged by said lever to permit closing movement of said doors but preventing opening movement thereof, and a cross-head fixed to the forward end of said operating bar and adapted to engage the outer faces of said doors.

1,462,756. GAS BURNER. HENRY GINGER, Hertfordshire, England. Filed Dec. 11, 1922. Serial No. 606,285. 1 Claim. (Cl. 158—99.)



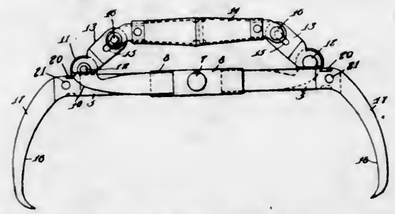
A detachable nozzle for inverted gas burners fitted internally with a three wing partition extending longitudinally from the outlet end up to the usual screw threaded portion to provide three separate jets of gas and air mixture which do not reunite at the nozzle outlet, the ends of said partition being bevelled, as described.

1,462,757. IRONING MACHINE. LEON GSCHWIND, Youngstown, Ohio. Filed Mar. 18, 1921. Serial No. 453,256. 3 Claims. (Cl. 68—9.)



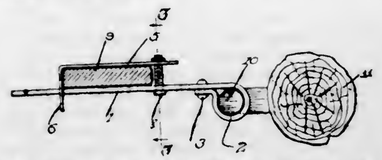
2. In an ironing machine, the combination of a roller, driving means for the same, a clutch in the driving means, a pressing head at one side of the roller, a feed table at the other side of the roller, means operated by the feed table to open the clutch and raise the pressing head from the roller, and a trendle adapted to restore the pressing head and raise the feed table to cause the latter to permit the clutch to close.

1,462,758. ICE TONGS. DOUGLAS HENDERSON, Dallas, Tex. Filed Dec. 6, 1921. Serial No. 520,331. 1 Claim. (Cl. 294—106.)



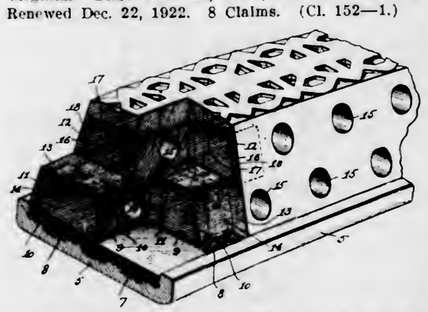
Tongs including opposed arms pivotally connected intermediate their ends, a bar supported by each arm at a point adjacent to the pivot thereof, said bars having flanges engaging the side edges of the arms to distribute the strain directed to the arms throughout the lengths thereof, each of said arms having a head, the heads being disposed towards each other, link members having connection with the heads, a handle having pivotal connection with the link members, and jaws secured to the opposite ends of the arms.

1,462,759. GATE HINGE. CHARLES W. HINKLE, Rushville, Ind. Filed May 24, 1922. Serial No. 563,362. 1 Claim. (Cl. 16—130.)



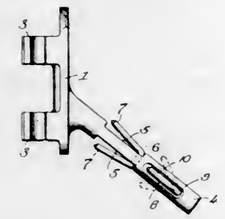
In a device of the class described, a main bar provided with suspension means; an auxiliary bar disposed approximately parallel to the main bar and supplied with an angularly disposed arm having an opening wherein the main bar is received slidably, one of the bars being provided with a plurality of openings spaced longitudinally of the said bar; and a bolt mounted in the other bar and adapted to be received in any of the last specified openings.

1,462,760. CUSHION TIRE. FREDERICK A. KRUSEMARK, Roanoke, Va., assignor to K. F. & C. Tire & Rubber Corporation, Roanoke, Va., a Corporation of Virginia. Filed Dec. 13, 1920, Serial No. 430,438. Renewed Dec. 22, 1922. 8 Claims. (Cl. 152—1.)



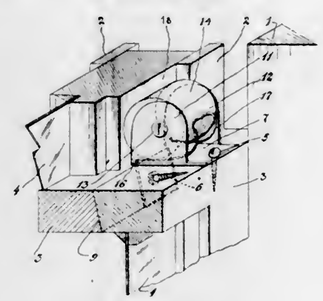
8. In a cushion tire, a rim and a tire mass affixed thereto and having an outer series of transverse air-passages as well as an inner series of transverse air-passages, the passages of the outer series being staggered with reference to the passages of the inner series, an outer series of transverse cord-fabric loops embedded in the tire, and an inner series of transverse fabric loops, the outer series of loops alternating with the passages of the outer series and the inner series of loops alternating with the inner series of passages.

1,462,761. LOCKED ANCHORAGE FOR WINDOW-CLEANERS' HARNESS. BENJAMIN KUGLER, Chicago, Ill. Filed Feb. 19, 1923. Serial No. 619,978. 3 Claims. (Cl. 20—72.)



1. An anchorage for window cleaners' harness comprising a head and a shank, a plurality of swingable members carried by the shank, and means formed on the shank for variably limiting the relative swingability of said members for the purpose set forth.

1,462,762. WINDOW FASTENER. ANTHONY F. LAGERSTROM, Chicago, Ill. Filed Oct. 6, 1921. Serial No. 505,859. 2 Claims. (Cl. 292—194.)

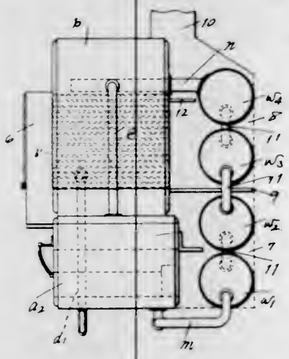


1. The combination with a pair of window sashes arranged to slide relative to one another, of a stationary shaft carried by one of said sashes, a cam roller rotatably mounted on said shaft, said cam roller being adapted, at will, to closely engage one of said sashes when either of said sashes are moved toward one another, and means for locking said cam roller in an inoperative position, said means comprising a spring member supported by said plate and adapted to yieldably grip said roller when said roller is turned back out of engagement with the sash, whereby said sashes may be moved relative to one another.

1,462,763. STEAM BOILER. WAICHI NAKAGAWA, Kitaku, Japan. Filed Nov. 29, 1918. Serial No. 264,775. 2 Claims. (Cl. 122—80.)

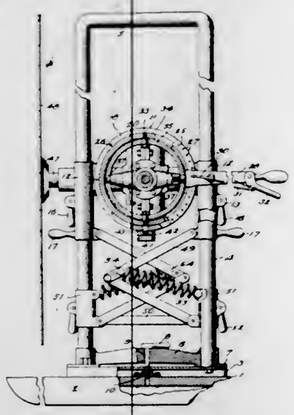
1. A steam boiler comprising two lower cylindrical elements having each a furnace, an upper cylindrical element having a nest of fire tubes, a smoke box at the front end of the said elements interconnecting the space between the three elements with the fire tube nest, a combustion chamber at the rear end of the said elements,

a partition wall in the combustion chamber dividing it into an upper and a lower compartment in such a way that the lower compartment is in communication with



the said space and the upper compartment with the rear end of the fire tube nest, drums in the two compartments interconnected in series and fluid connections between the end drums and the said elements respectively.

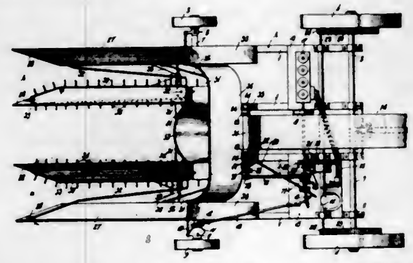
1,462,764. SAWING MACHINERY. AUGUST R. NYQUIST and CARL AUGUST BRANDT, Roseau, Minn. Filed Apr. 8, 1920. Serial No. 372,203. 7 Claims. (Cl. 143—43.)



1. A sawing machine comprising a frame, a saw shaft and saw thereon, a drive shaft, a drive shaft casing, means for rotatably mounting the casing on the frame to permit movement thereof in a plane parallel with the saw shaft, means for mounting the shaft casing whereby it will pivot on an axis at right angles to the axis of the drive shaft, and means for mounting the casing for swinging movement at right angles to the last-named pivot means.

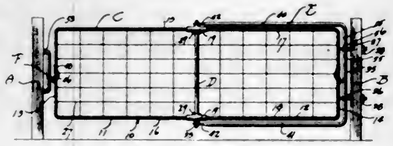
1,462,765. ENSILAGE HARVESTER. CHARLES W. H. MILLER, Lostant, Ill. Filed Mar. 14, 1921. Serial No. 451,947. 7 Claims. (Cl. 56—61.)

1. An ensilage harvester comprising a two-part hopper, one part of said hopper being curved intermediate its breadth, the other part of said hopper extending behind and around the ends of the first part in spaced relationship thereto, and independent means for gathering crops extending to and arranged on each side of the first



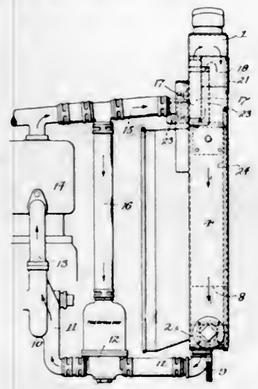
part of the hopper whereby to deliver the gathered material to the hopper through the space between said first part and said second part.

1,462,766. GATE. JOHN E. POST, Durand, Mich. Filed Jan. 24, 1921. Serial No. 439,550. 4 Claims. (Cl. 39—76.)



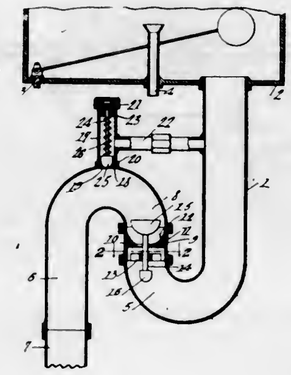
1. A gate, comprising in combination a pair of substantially U-shaped sections of bent bar material, sleeves connecting the free ends of said sections to form a rectangular structure, spindles projecting from said sleeve connections, and a substantially U-shaped crane support element pivoted at its free ends to said spindles, and extending over and from said first-mentioned gate sections, so as to permit complete rotation of said rectangular structure on its pivot and through said crane.

1,462,767. INTERNAL-COMBUSTION ENGINE. WILLIAM H. PUTNAM, deceased, late of Madison, Wis., by Central Wisconsin Trust Company, executor, Madison, Wis., assignor to Madison Kipp Corporation, Madison, Wis., a Corporation of Wisconsin. Filed Aug. 27, 1919. Serial No. 320,260. 5 Claims. (Cl. 123—25.)



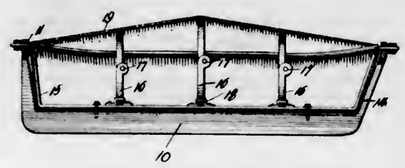
1. In combination with an internal combustion engine; a circulatory water cooling system therefor embodying a radiator for cooling the water; means for causing a subdivision of the water as it passes through the radiator; and an air intake passage leading to the charge forming device of the engine, said passage leading to and through the means for causing the subdivision of the water whereby the air will be brought into direct contact with the water and washed thereby.

1,462,768. ACCELERATOR FOR HOT-WATER HEATING SYSTEMS. GEORGE H. RUSSELL, Florence, Ala. Filed Aug. 14, 1920. Serial No. 403,590. 1 Claim. (Cl. 137—53.)



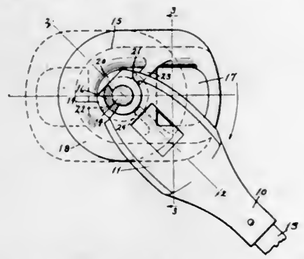
In a device of the character described, a pipe having a bend at one end, a second pipe having a bend at one end, a valve casing connecting said ends of said pipes and having a valve seat therein, a check valve seatable against said valve seat to close the passage through said casing, a valve casing attached to the bend of the second mentioned pipe and having a valve seat therein, a by-pass tube connecting the second mentioned valve casing and the first mentioned pipe to allow the water to flow through the by-pass tube past the check valve, and a spring pressed valve within the second mentioned valve casing and seatable against the valve seat thereof to normally prevent the flow of water from the second pipe through the by-pass tube.

1,462,769. COLLAPSIBLE BOAT. ANTONIO V. SANTARSIERO, New York, N. Y. Filed Aug. 10, 1922. Serial No. 580,981. 6 Claims. (Cl. 9—2.)



1. A boat of the class described comprising a resilient frame, a water-proof body secured thereto, foldable annular ribs mounted in said body, and a keel pivoted to the end of the resilient frame.

1,462,770. SLIDE TROLLEY. PAUL SCHULTZ, Des Moines, Iowa. Filed Apr. 17, 1922. Serial No. 553,686. 4 Claims. (Cl. 191—59.1.)



1. A slide trolley, comprising a harp, an elongated slide shoe mounted for oscillation therein, said shoe being adapted to contact a wire on either of its long sides, and means to limit oscillation of said shoe.

1,462,771. PHENOLIC CONDENSATION PRODUCT. WALTER O. SNELLING, Allentown, Pa. Filed May 18, 1920. Serial No. 382,359. 2 Claims. (Cl. 260—5.)

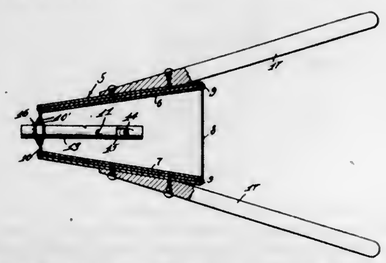
2. In the preparation of phenolic condensation products the process which comprises preparing an intermediate body from a phenolic body and hexamethylenetetramine, and preparing a second intermediate body from a phenolic body and anhydrous polymerized formaldehyde, and admixing these two intermediates in such proportions that the excess of ammonia in the first intermediate will just balance the deficiency in ammonia of the second intermediate.

1,462,772. ROOF COVERING. EDWARD R. SNYDER, East Orange, N. J., and CHARLES W. MORTIMER, Brooklyn, N. Y., assignors to The Barrett Company, a Corporation of New Jersey. Filed Jan. 26, 1920. Serial No. 354,044. 11 Claims. (Cl. 108—9.)



1. In the process of covering a roof, the steps which comprise laying a row of triangularly shaped pieces of roofing material side by side, with their bases parallel, laying a second row above said first row, and folding the lower part of said first row, over said second row.

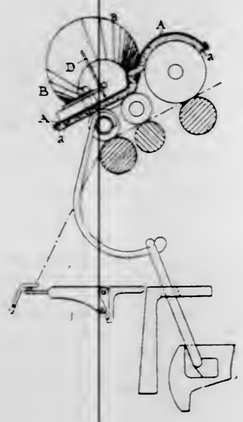
1,462,773. INSECT-POWDER BLOWER OF THE BELLOWS TYPE. HORACE T. SPENCER, Knoxville, Tenn. Filed Apr. 1, 1922. Serial No. 548,669. 3 Claims. (Cl. 43—147.)



2. An insect powder blower comprising a body portion, a discharge tube positioned within the body portion, said tube having openings formed in spaced relation with each

other and disposed spirally of the tube, means adjacent to the opening for directing material in a spiral path through the tube, and means for operating the bellows.

1,462,774. TOP-ROLLER CLEARER. MARK SUTTON and THOMAS WILLIAMS, Rio de Janeiro, Brazil. Filed May 6, 1922. Serial No. 558,991. 2 Claims. (Cl. 19—139.)



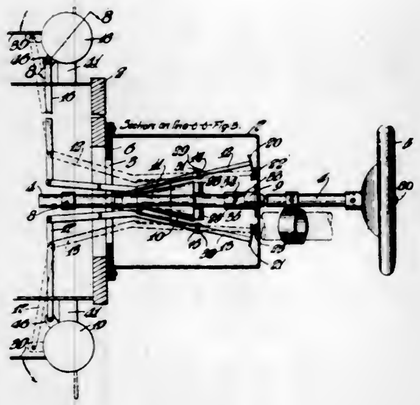
2. In a clearer for the top rollers of machines for treating and spinning fibres the combination with a conical traversing roller of an auxiliary clearer provided with an aperture in which the traversing roller is arranged and adjustable brackets for adjusting the position of the conical traversing roller.

1,462,775. PROCESS FOR THE MANUFACTURE OF NAILS FORMED IN TWO PARTS. ANGELO TRIVELLONI, Milan, Italy. Filed Nov. 2, 1920. Serial No. 421,305. 1 Claim. (Cl. 10—27.)



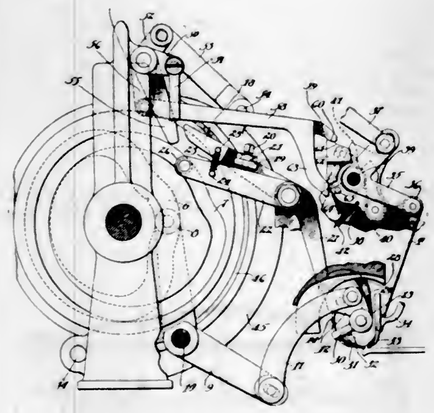
An improved process for the manufacture of nails or studs of the type in which the head of the nail or stud is of a hard metal and is weldedtoashank of softer metal, said process consisting in welding together end to end two suitable bars, one of hard metal and the other of soft metal, and then forging or stamping the joined piece so as to form a head of the whole of the hard metal.

1,462,776. DEVICE FOR OPERATING AUTOMOBILE SIGNALS. ZACHARY TAYLOR UBIL, Philadelphia, Pa. Filed July 24, 1922. Serial No. 576,943. 11 Claims. (Cl. 74—39.)



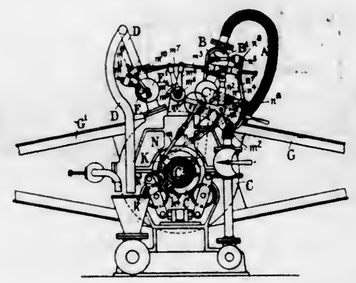
10. In a device of the character described, signalling devices, and means comprising a manually operated tapering member and coacting lever mechanism for operating them independently of each other in the same or in different directions.

1,462,777. SHOE-SEWING MACHINE. FÉLIX EMILE VALOIS, Bridgeport, Conn., assignor to Hamel Shoe Machinery Company, a Corporation of Massachusetts. Filed July 14, 1919. Serial No. 310,718. 20 Claims. (Cl. 112—35.)



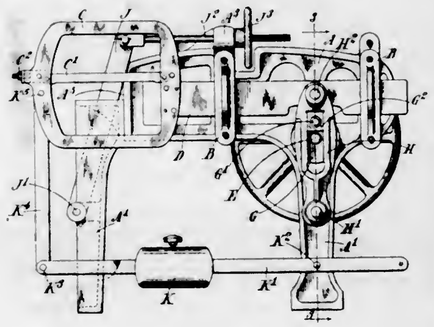
1. In a machine of the class described, in combination, sewing instrumentalities including a hooked needle and looper, mechanism for imparting to said needle a thread receiving and a thread drawing movement, and means for severing the thread adjacent the needle hook, said means including devices for insuring the operation of the thread-severing means substantially at the end of a thread drawing movement of the needle.

1,462,778. DYNAMOMETER. GEORGE HENRY WALKER, Worcester, England, assignor to Heenan & Froude, Limited, Manchester and Worcester, England. Filed Mar. 28, 1921. Serial No. 456,088. 4 Claims. (Cl. 265—24.)



1. A rotary reversing absorption dynamometer of the type referred to comprising in combination a casing divided into compartments, a load arm extending therefrom, a rotor arranged in the casing, a shaft carrying the rotor, inlet and outlet pipes from the compartments, valves arranged in said pipes, operating gears mounted on the shaft carrying the rotor and links and levers connecting the operating gears to the valves.

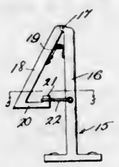
1,462,779. HACK-SAW MACHINE. RALPH WICKSTEED, Kettering, England. Filed Apr. 26, 1921. Serial No. 464,586. 6 Claims. (Cl. 29—73.)



1. In a hack saw machine, the combination of a machine frame, saw frame, a flat sided arm attached to the saw frame, flat sided guide members on said machine frame opposed to the flat sides of the arm and constituting a bearing in which said arm can reciprocate, which bearing is considerably greater in depth than the width of the arm, reciprocatory driving mechanism, and a horizontal pivot pin, about the longitudinal axis of which the said arm can swing operatively connecting the arm with said driving mechanism, said bearing and said pivot pin constituting the sole means for guiding said arm whereby the saw frame is free to rock vertically about the pivot pin in all positions of the driving mechanism, substantialy as described.

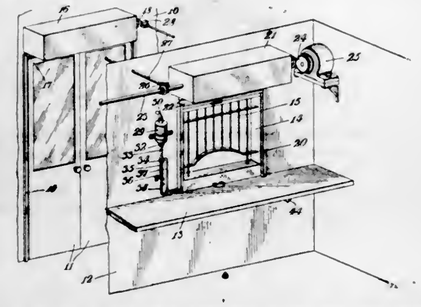
1,462,780. LOCK. JOHN G. YANCHIK, Wilkes-Barre, Pa. Filed Oct. 11, 1920. Serial No. 416,005. 2 Claims. (Cl. 45—94.)

1. In a drawer and door lock, a keeper comprising an attaching and supporting body, a nose pivotally secured to the outer end of the body, spring means normally retaining the nose spaced from the body, an inwardly extending arm formed on the free end of the nose and



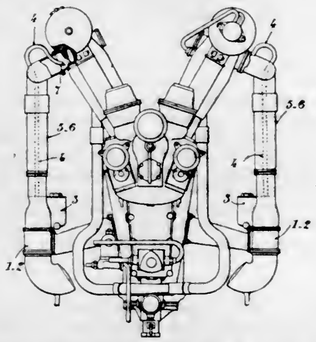
extending toward the body, an angular extension formed on the arm, and a U-shaped guide and retaining member carried by the body for receiving the angular extension.

1,462,781. CASHIER PROTECTOR. JOHN BABIARZ, New Salem, Pa. Filed June 12, 1922. Serial No. 567,854. 1 Claim. (Cl. 20—1.01.)



A device of the class described comprising the combination with a cage having a window, of a protective screen associated therewith adapted to close the window, manually controlled means for moving said screen to closed position, a gas reservoir associated with said cage, a spring actuated piston operable in said reservoir adapted to expel the gas from said reservoir, and means for releasing said piston upon the completion of the closing movement of the screen.

1,462,782. CARBURETOR. MARIUS JEAN BAPTISTE BARBAROU, Paris, France. Filed Nov. 1, 1921. Serial No. 512,142. 3 Claims. (Cl. 123—127.)



3. A carburetting installation for high power engines with a plurality of groups of cylinders, which comprises two main carburetors for each group of cylinders, two intake pipes connecting said main carburetors to the cylinders of said group, one slow speed carburetor for

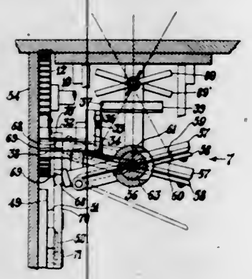
each of said groups, a slow speed pipe connecting said slow speed carburetor to both intake pipes in the same group of throttle in the slow speed carburetor, a spring which tends to close said throttle, an actuating lever secured to said throttle, means for varying the angular position of said throttle with respect to said lever, and a cam acting upon said lever and being operatively connected to the means for operating the throttles in the main carburetors, the profile of said cam being adapted to fully open said slow speed throttle for a small angle of rotation of the throttles in the main carburetors.

1,462,783. STOPPER FOR RESERVOIRS, RADIATORS, AND THE LIKE. MARIUS JEAN BAPTISTE BARBAROU, Paris, France. Filed Apr. 28, 1921. Serial No. 465,279. 4 Claims. (Cl. 220—32.)



1. A stopper for reservoirs, radiators, etc., comprising a pivoted cover adapted to have a tight fit upon the orifice to be closed, a fixed part, a cap pivoted to said fixed part, a flange on said cap adapted to come into engagement with said fixed part and a set screw on the cap adapted to tighten the cover in position.

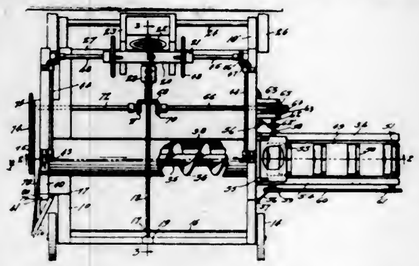
1,462,784. MOTION-PICTURE DEVICE. GEORGE W. BINGHAM, Newark, N. J., assignor to Widescope Camera Co., Newark, N. J., a Corporation of New Jersey. Filed Feb. 11, 1921. Serial No. 444,101. 8 Claims. (Cl. 88—16.6.)



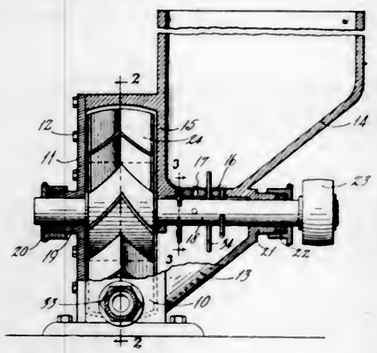
8. In a motion picture device, in combination, a plurality of lenses in angular position with respect to each other; a movable film frame for each lens; means for moving the film frames into the same plane with respect to each other; means for passing a film through the frames when in the same plane with respect to each other; and means for moving the frames parallel to their respective lenses, bringing the film within each frame perpendicular to the optical axis of its lens.

1,462,785. LOADING AND GRADING DEVICE. JOHN R. CANION, Austin, Tex. Filed Nov. 7, 1921. Serial No. 513,300. 5 Claims. (Cl. 37—108.)

1. In a loading and grading machine, a rectangular frame, ground wheels on each side at the front and rear of said frame, hanger members at each side of the frame, means on the frame for vertically adjusting the hanger members, a transverse scoop extending under the frame and having its ends secured to the hanger members, a screw conveyor mounted in the scoop and having its ends supported in the hangers, and an elevator mounted on one side of the frame outwardly of the hanger thereat.

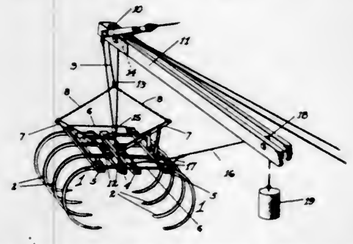


1,462,786. SAND-BLAST MACHINE. DAVID P. CLEVELAND, Dallas, Tex., assignor of one-half to J. A. Bergfeld, Dallas, Tex. Filed Mar. 20, 1922. Serial No. 545,008. 3 Claims. (Cl. 51—8.)



1. In a sand blast machine, a hopper, a turbine, a housing enclosing the turbine, said housing having means for admitting a fluid under pressure for driving said turbine, means co-operating with said turbine for agitating the sand in the hopper and causing the same to precipitate into said housing, and means for discharging said fluid and sand from said housing.

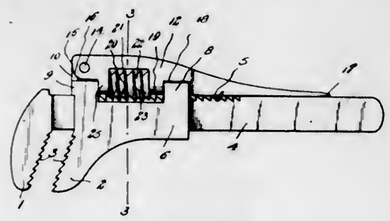
1,462,787. AGRICULTURAL FORK. JOHN DEGENDORFER, San Francisco, Calif. Filed Dec. 19, 1921. Serial No. 523,565. 5 Claims. (Cl. 294—107.)



1. An agricultural fork comprising a pair of opposed and co-operating jaw members, means holding said members in spaced relation while connecting them in a

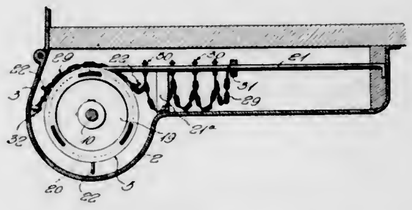
manner to permit of their swinging relative to each other for open and closing movement, and cable means connected to said members for imparting such movement thereto.

1,462,788. WRENCH. FRANK J. DORSCH, Winona, Minn. Filed May 25, 1922. Serial No. 563,490. 1 Claim. (Cl. 81—157.)



In a wrench, the combination of a shank having a fixed jaw projecting laterally from the end thereof, a shiftable jaw member slidable on said shank, a toothed rack in the edge of said shank opposite said fixed jaw and formed of beveled teeth having one straight side and one inclined side, an elongated lever pivoted at one end to said shiftable jaw member and extending along the edge of said shank opposite said fixed jaw, the other end of said lever being tapered to permit ready engagement of the same so as to facilitate swinging of the lever away from the shank, an adjusting worm rotatably mounted on said lever, the rear faces of the teeth on said worm being substantially parallel to a line drawn radially to the pivotal center of said worm, the front faces of said teeth being beveled, and stop means between said shiftable jaw member and said lever for limiting the outward pivotal motion of said lever to a position at right angles to the shank.

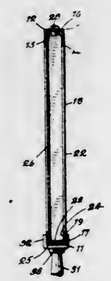
1,462,789. TIRE-CHAIN CARRIER. JOHN J. EYRE, Somerville, Mass. Filed Apr. 21, 1921. Serial No. 463,139. 15 Claims. (Cl. 152—14.)



1. A tire chain carrier comprising a casing adapted to be mounted on a vehicle, said casing having a door, and spring operated means in said casing to engage an ordinary tire chain and move it into the casing and exert a continual inward pull on the same, said door having means to which the end of the tire chain may be attached, whereby the pull of the chain on the door will hold said door closed.

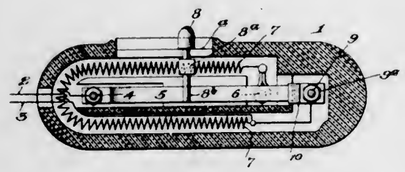
1,462,790. SIGN HOLDER. WILLIAM B. FINK, New York, N. Y. Filed May 19, 1922. Serial No. 562,133. 2 Claims. (Cl. 40—152.)

1. A sign holder, comprising an outer frame element of substantially an L-shape in cross section, an inner frame element also of substantially an L-shape in cross section, the inner frame element being disposed within the outer frame element so that two corresponding flanges of the elements are in spaced relation, while the other two corresponding flanges of the elements are in lapping arrangement and the free edge of the lapping



flange of the inner frame element being spaced from the elbow of the outer frame element to provide a groove therebetween, means detachably fastening the lapping flange members together, a standard, and means removably mounting the frame elements to the standard.

1,462,791. AUTOMOBILE-LIGHT-DIMMER SWITCH. ALPHEUS D. GASTON, Austin, Tex. Filed Apr. 30, 1923. Serial No. 635,645. 3 Claims. (Cl. 219—48.)

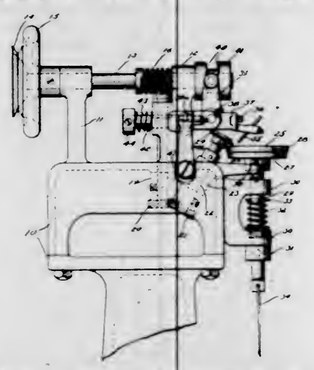


1. In an automobile headlight dimmer, a casing, a pair of spaced contact posts in the casing, a movable contact arm secured at one end to one post, a contact finger connected to the other post for engagement with the opposite end of the contact arm, a substantially U-shaped resistance coil in the casing and disposed to have its sides extend on opposite sides of said contact arm, a finger engaging knob having a stem slidiable in the casing, a contact carried by the stem and wipingly engaged with a side of the resistance coil, the inner end of the stem being slidably engaged with the contact arm, a contact post electrically connected to one end of the resistance coil and engageable with the contact arm, and means to operate the contact arm into engagement with the last named contact post, the opposite end of the resistance coil being electrically connected to the contact post having said contact finger connected thereto.

1,462,792. RIB TIGHTENER FOR GEM INNERSOLES. THOMAS F. HART, Lynn, Mass., assignor to Hamel Shoe Machinery Company, Lynn, Mass., a Corporation of Massachusetts. Filed May 19, 1917. Serial No. 169,674. 13 Claims. (Cl. 12—20.)

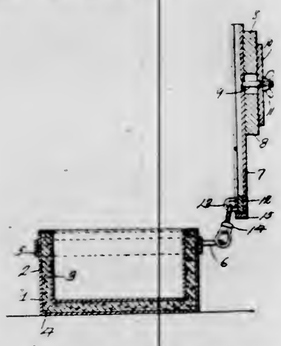
1. A machine of the class described having, in combination, a work support mounted for free rotation about a substantially vertical axis, a feed wheel providing a peripheral work-engaging surface substantially parallel

to the surface of said work support and spaced therefrom, means for imparting rotary movement to said



feed wheel, a tamping tool supported for movement in a plane substantially perpendicular to said support, and means for vibrating said tool in said plane.

1,462,793. HOG TROUGH. WALTER R. HEMMELSTRAND, Edison, Nebr. Filed Mar. 13, 1923. Serial No. 624,804. 3 Claims. (Cl. 119—61.)



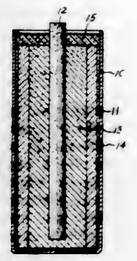
3. The combination with a hog trough, a support, means for attaching the trough to the support, said means comprising a vertically disposed channeled member, means for attaching the channeled member to the support, a block slidably mounted in the channeled member, means for limiting the downward movement of the block, an eye carried by the block, a band extending around the trough adjacent its upper end, an eye carried by said band and a swivelled connecting member connecting the eye of the band and the eye of the block.

1,462,794. MOP HOLDER. HELEN KUMPUNEN, Rye, N. Y. Filed Feb. 11, 1920. Serial No. 357,868. 1 Claim. (Cl. 15—228.)



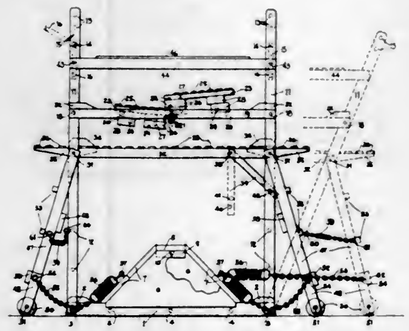
In a device of the character described, a mop head comprising a flat wooden disk having a screw threaded centrally arranged aperture in one side thereof, and a screw threaded integral stem extending from the other side thereof, a semispherical rubber butt having a screw threaded aperture to receive the said screw threaded stem of the said disk and a wooden handle provided with an integral screw threaded stud threaded into the disk, and mop material removably and adjustably secured between the under flat side of the wooden disk and the flat upper side of the rubber butt.

1,462,795. ELECTRIC BATTERY. WILLIAM R. LOVEMAN, Bridgeport, Conn., assignor to The Bridgeport Metal Goods Manufacturing Company, Bridgeport, Conn., a Corporation of Connecticut. Filed Jan. 5, 1921, Serial No. 435,135. Renewed Dec. 6, 1922. 10 Claims. (Cl. 204—38.)



1. An electric battery comprising a negative electrode consisting of a zinc shell, a positive electrode therein and two separate portions of depolarizing agent having different depolarizing value.

1,462,796. SWING. JOHN L. MARTIN, Buffalo, N. Y. Filed Aug. 12, 1921. Serial No. 491,838. 8 Claims. (Cl. 155—65.)



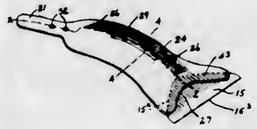
2. In a non-suspension or vaulting swing, a supporting structure, a plurality of combination legs and levers connected transversely in pairs and fulcrumed to rock on the supporting structure, a carrier hung to swing on the combination legs and levers intermediate to their terminals parallel with the supporting structure, anti-gravity springs mounted and interposed in such manner that the oscillation of the carrier may be limited in amplitude, and hinge or pivot connections between the carrier and the combination legs and levers whereby moving and lifting power may be applied to said levers to swing the carrier to and fro in a vaulting curve and in unstable equilibrium as set forth.

1,462,797. THERMOMETER. HERBERT P. MILKER and ALFRED ROESCH, Brooklyn, N. Y., assignors to Charles J. Tagliabue Manufacturing Co., Brooklyn, N. Y., a Corporation of New York. Filed Nov. 6, 1919. Serial No. 336,101. 3 Claims. (Cl. 73—52.)



1. A thermometer comprising a back provided with at least one hole and having a scale thereon, a tube on said back, a screw-threaded stud in said hole, a band extending about said tube and projecting into said hole and connected with said stud, and a nut on said stud whereby said band is drawn into conformity with the top and side surfaces of said tube unrestrained by any portion of said back and the tube is clamped on said back against movement relatively to said scale.

1,462,798. SHANK STIFFENER. WILLIAM H. NICKERSON, Brookline, Mass. Filed Jan. 21, 1922, Serial No. 530,876. Renewed May 21, 1923. 2 Claims. (Cl. 36—76.)

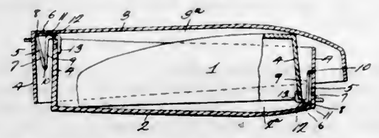


1. For use in a shoe which includes an outer sole having an approximately V-shaped ridge defining the salient rear end of the tread portion and the forward end of the shank portion of the sole, a wedge piece bearing on the inner surface of the outer sole, and having a salient thickened edge conforming to a portion of said ridge, and an inner sole conforming to the inner side of said wedge piece; a molded sheet metal shank stiffener, shaped at its forwarl end portion to bear on the inner side of the thickened rear portion of the wedge piece, and having a recess in its forward edge conforming approximately to the salient edge of the wedge piece, the stiffener having a longitudinal ridge between its front and rear end portions, adapted to support a longitudinal ridge on the under surface of the shank portion of the outer sole, said recess imparting transverse flexibility to the forward end portion of the stiffener.

1,462,799. LUBRICANT. JAMES A. BURTON, Brooklyn, N. Y. Filed May 25, 1922. Serial No. 563,684. 1 Claim. (Cl. 87—9.)

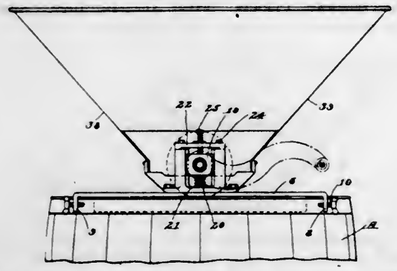
A lubricant for leaf springs and the like comprising: 3 quarts of crude petroleum, 18 ounces of kerosene, 6 ounces of comminuted graphite, 7 ounces of ethyl ether, 3 drachms of amyl acetate, 3 drachms of ethyl acetate, 2 drachms of ethyl butyrate, 5 minims of oil of cassia.

1,462,800. FOLDABLE BOAT. JULIUS N. CLEMMER, Omaha, Nebr. Filed Feb. 20, 1923. Serial No. 620,177. 1 Claim. (Cl. 9—2.)



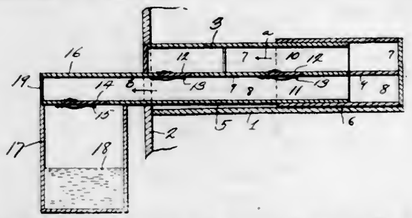
A boat comprising a bow section, a midship section and a stern section, said sections having their adjacent ends provided with transversely disposed walls adapted to engage each other, hinges pivotally connected in the bottoms of the midship section and the stern section, said hinges extending upwardly and terminating in angularly disposed portions hingedly connected to brackets carried by the midship section and the bow section and hinged at a point above the walls, the upwardly extending hinges being formed from hingedly connected sections hingedly connected intermediate the ends of the hinges, and apertured lugs carried by the adjacent ends of the sections and adapted to overlie each other when the sections are in extending portion and receive securing means.

1,462,801. FRUIT CRUSHER. PETER C. DE LUCA and MATTHEW L. INSOGNA, Dorchester, Mass., assignors to Corona Machine Company, Malden, Mass., a Corporation of Massachusetts. Filed June 25, 1921, Serial No. 480,341. Renewed May 7, 1923. 13 Claims. (Cl. 146—184.)



7. A portable crusher comprising a hopper having a discharge opening, a series of crusher fingers projecting from opposite sides of said opening, and a crusher roll having teeth cooperating with said fingers, said roll being adjustable relative to said fingers.

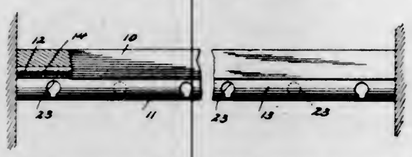
1,462,802. RAT TRAP. EDWARD DUDLEY CLARK, Achille, Okla. Filed Mar. 27, 1923. Serial No. 628,068. 2 Claims. (Cl. 43—67.)



2. A rat trap for use in connection with buildings, said trap comprising telescopically engaged sections, said sections being divided into upper and lower compartments by a horizontally disposed partition, trap doors in said partition, entrances in the sections in registration with the upper compartment, the lower compartment

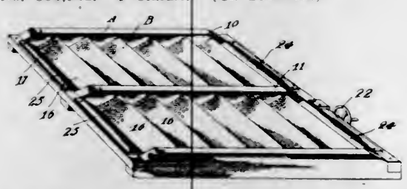
terminating outside of the building and having its end screened, a trap door in the lower compartment adjacent the screened end thereof and a water receiving receptacle below said last named trap door and located outside of the building.

1,462,803. COMBINED SHELF AND HANGER RACK. ALEXANDER S. DESERTY, New York, N. Y., assignor to Alexander Aderer, New York, N. Y. Filed Oct. 11, 1922. Serial No. 593,714. 2 Claims. (Cl. 211—14.)



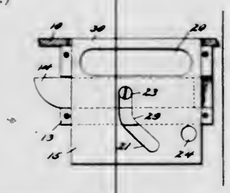
1. In a unit for use in clothes closets, showcases or the like, a shelf member having in its lower face a groove with a restricted mouth, and a hanger-supporting element in strip form, comprising a tubular section having in its side keyhole slots for the insertion and retention of headed stems of clothes hangers, said supporting element having a portion conforming in shape to said groove in said shelf member and lying therein throughout its length, whereby the supporting element is mounted and braced in close proximity to the lower face of said shelf member.

1,462,804. SIEVE. EDWARD JAMES EVANS, Briercrest, Saskatchewan, Canada. Filed Apr. 18, 1922. Serial No. 554,942. 4 Claims. (Cl. 130—19.)



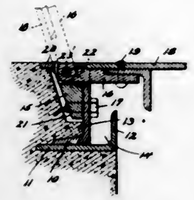
1. A sieve comprising a frame, spaced apart spindles in said frame, supporting plates having angularly bent portions, perforations in said plates and said angular portions substantially perpendicular to their surfaces for preventing eddies collecting between the perforations, and means connected to said plates for actuating the same.

1,462,805. LOCK. OLIVER E. GIBSON, Mechanicsburg, Pa., assignor to Potts Manufacturing Company, Mechanicsburg, Pa., a Corporation of Pennsylvania. Filed Apr. 18, 1922. Serial No. 554,526. 7 Claims. (Cl. 292—140.)



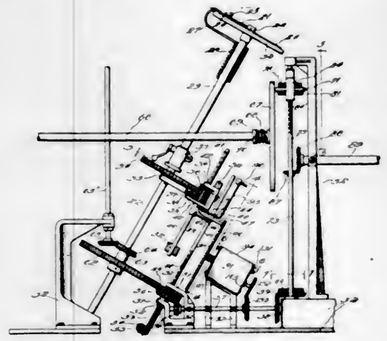
1. In combination with a closure having an opening therein, of a lock casing secured to one face thereof, a bolt in said casing, and an operating member for said bolt adapted to be reversed in its position relative to said bolt and casing to enable it to be grasped from either face of the closure, providing either an inside or an outside lock for said closure.

1,462,806. DOOR. OLIVER E. GIBSON, Mechanicsburg, Pa., assignor to Potts Manufacturing Company, Mechanicsburg, Pa., a Corporation of Pennsylvania. Filed Apr. 18, 1922. Serial No. 554,527. 12 Claims. (Cl. 94—34.)



1. In a door comprising a swinging closure leaf, a reinforcement for the edge of said leaf comprising a lock casing having projecting lugs at its sides, bracing elements extending from said casing to the ends of the leaf, and means for rigidly connecting said bracing elements to said lock casing and to said leaf.

1,462,807. SPEED-CONTROLLING MECHANISM. CHARLES H. GILL, Chicago, Ill. Filed Mar. 28, 1921, Serial No. 456,195. Renewed June 8, 1923. Serial No. 585,073. 29 Claims. (Cl. 74—97.)

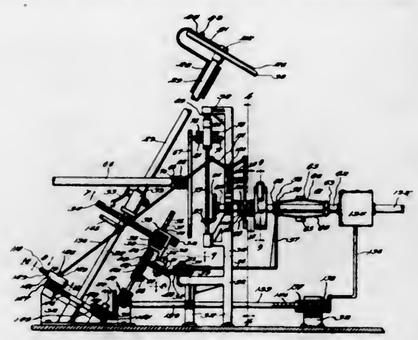


1. In speed controlling mechanism, the combination of a motor driven shaft, a threaded member driven by said shaft, a member rotatable at constant speed, a threaded element driven by said member rotatable at constant speed and engaging with the said threaded member, a motive power supply governing member adapted to regulate the supply of fuel or power to the motor driving the said motor driven shaft, and means controlled by differences in the respective rotary speeds of the said threaded member and the said threaded element for automatically regulating the said motive power supply governing member to maintain the said motor driven shaft at a given ratio of speed to the speed of the said member rotatable at constant speed.

1,462,808. MACHINE-CONTROL MECHANISM. CHARLES H. GILL, Chicago, Ill. Filed Mar. 21, 1921, Serial No. 454,200. Renewed June 8, 1923. Serial No. 552,596. 19 Claims. (Cl. 74—97.)

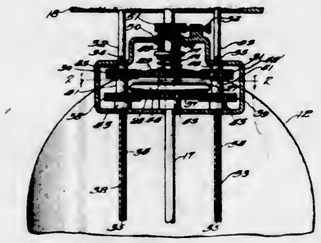
1. In machine control mechanism, the combination of a driven shaft, a driving shaft, automatic means for varying the ratio of the rotary speed of the said driven shaft to the rotary speed of the said driving shaft in inverse proportion to the degree of resistance offered to

the rotation of the said driven shaft, automatic means for varying the rotary speed of the said driving shaft in such manner as to maintain a given rate of rotary speed of the said driven shaft throughout all variations in the ratio of the rotary speed of the said driven shaft



to the rotary speed of the said driving shaft, a control lever adapted to be positioned at the will of the operator, and means controlled by the position of the said control lever for changing the said given rate of rotary speed of the said driven shaft.

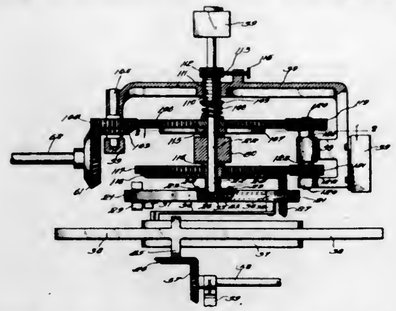
1,462,809. SELF-ADJUSTING-TRANSMISSION MECHANISM. CHARLES H. GILL, Chicago, Ill. Original application filed Dec. 29, 1920. Serial No. 433,930. Divided and this application filed July 7, 1921, Serial No. 483,106. Renewed Apr. 14, 1922. Serial No. 552,597. 30 Claims. (Cl. 74—26.)



1. In self adjusting transmission mechanism, the combination of a friction driving disk, a friction wheel driven by said friction driving disk, a driven shaft, a member rotatable with said driven shaft, means for yieldably engaging the said member and the said friction wheel, and means controlled by the degree of yield of the said member and the said friction wheel in their engagement with each other for varying the ratio of the rotary speed of the said driven shaft to the rotary speed of the said friction driving disk inversely to variations in the degree of resistance offered to the rotation of the said driven shaft.

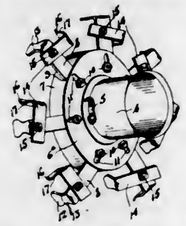
1,462,810. AUTOMATIC CRANK TRANSMISSION MECHANISM. CHARLES H. GILL, Chicago, Ill. Original application filed Jan. 17, 1921, Serial No. 437,801. Divided and this application filed Apr. 4, 1921, Serial No. 458,638. Renewed Aug. 10, 1922. Serial No. 585,074. 14 Claims. (Cl. 74—38.)

1. In automatic crank transmission mechaism, the combination of a driving shaft, a driven shaft, a rotatable member carried by said driven shaft, a friction element secured upon said driven shaft, a radially movable wrist pin carried by said rotatable member, a friction member rotatable by said driving shaft and frictionally engaging the said friction element, and means controlled by the slippage of the said friction member and the said friction



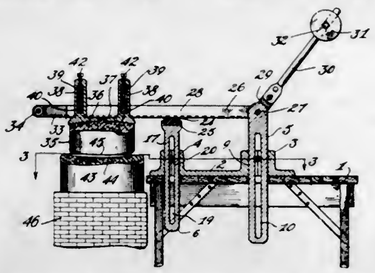
element in their engagement with each other for automatically varying the position of the said wrist pin with respect to the axis of the said rotatable member.

1,462,811. EMERGENCY DRUM FOR AUTOMOBILES. CHARLES J. JOHNSON, Canton, Ohio. Filed Apr. 18, 1922. Serial No. 555,168. 2 Claims. (Cl. 242—95.)



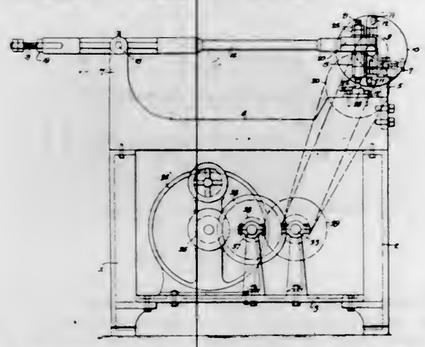
2. An attachment for driving wheels of motor vehicles including a cable winding drum, radially extending arms upon the drum, an inturned end upon each arm for engagement with the adjacent spoke of the driving-wheel and a clamping finger upon each arm for engagement with the next adjacent spoke.

1,462,812. BATTER. FRANK M. KINNARD, Sebring, Ohio, assignor of one-half to Charles L. Sebring, Sebring, Ohio. Filed Aug. 4, 1920, Serial No. 401,164. Renewed June 11, 1923. 3 Claims. (Cl. 25—27.)



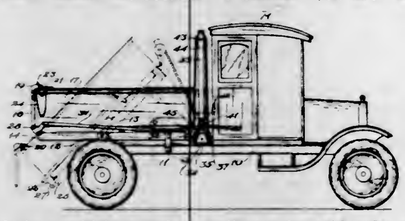
1. In combination with a stationary block, a lever pivoted at one side of the block, a batter mounted upon the lever and arranged to be brought into forceful contact with a ball of clay placed upon the block to produce a bat, a bumper arranged to be engaged by the lever to limit the downward movement thereof and a counter weight arranged to normally hold the lever in the raised position.

1,462,813. IMPACT-TESTING MACHINE. DUNLAP J. MCADAM, Jr., Annapolis, Md., assignor to Tinius Olsen Testing Machine Company, Philadelphia, Pa., a Corporation of Pennsylvania. Filed Nov. 7, 1919. Serial No. 336,413. 8 Claims. (Cl. 265—15.)



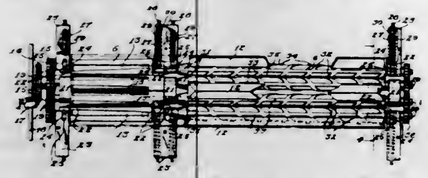
1. The combination in an impact testing machine of means for supporting a test specimen; a hammer; a rotary member; a tappet on said member positioned to raise and thereafter release the hammer to permit it to fall upon a test specimen; means for adjusting the tappet to vary the drop of the hammer; with means for adjusting the position of the rotary member to regulate the point of release of the hammer.

1,462,814. DUMP BODY. ANDREW B. MCKINLEY, Louisville, Ky., assignor to Continental Car Company of America, a Corporation of Kentucky. Filed June 7, 1922. Serial No. 566,592. 2 Claims. (Cl. 296—51.)



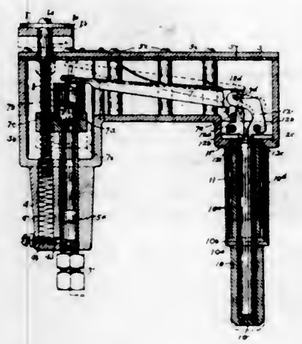
1. In a vehicle, a body, a tail gate for said body, pivotal and releasable means for securing the upper part of the tail gate to the upper part of the body, and latches each comprising a single hook element arranged to constitute means for pivotally connecting the lower part of the tail gate to the body and for holding the same releasably against outwardly swinging movement.

1,462,815. ROLLS FOR CORN-HUSKING MACHINES. THEODORE H. OPPENHEIM and BERNARD SELHORST, Coldwater, Ohio, assignors to The New Idea Spreader Co., Coldwater, Ohio, a Corporation of Ohio. Filed Aug. 1, 1922. Serial No. 579,049. 6 Claims. (Cl. 130—5.)



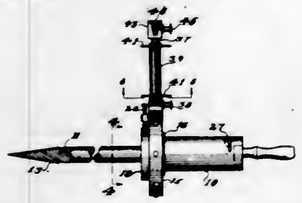
1. In a corn-husking machine, a pair of husking rolls each provided upon its circumferential surface with a spiral rib and longitudinal breaker bars, the breaker bars connecting the successive convolutions of the spiral rib and the ribs on mating rolls being reversed relative to each other and so arranged as to have their circumferential surfaces constantly in contact in the bight of the rolls, the opposed breaker bars meeting in the bight of the rolls.

1,462,816. GAS GOVERNOR FOR TYPESETTING MACHINES. HOWARD W. PARTLOW, Utica, N. Y. Filed May 21, 1921. Serial No. 471,518. 12 Claims. (Cl. 236—102.)



9. A thermostatic governor comprising a body, heater-controlling means, and means for controlling the first means and including a lever pivotally mounted on the body, a thermostatic element extending from the body laterally of the plane of movement of the lever, and a movement-increasing leverage connecting the element to the lever.

1,462,817. SHOCK COMPRESSING AND BINDING DEVICE. JOHN F. PATTERSON, Merchantville, N. J. Filed July 11, 1922. Serial No. 574,226. 4 Claims. (Cl. 100—31.)

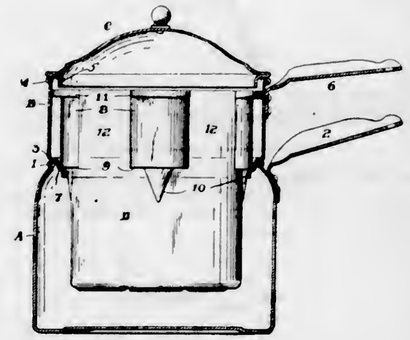


1. A binding device including a spear having means providing a drum; a member rotatably mounted on said spear; a cord cooperating with said drum and said member to provide binding means; and an adjustable friction brake carried by said member and arranged to bear directly upon means connected to said spear to prevent movement between said spear and said member.

4. A binding device comprising a spear having means providing a drum; a collar secured on said spear and spaced from said drum; a member rotatably mounted between said collar and said drum; and a set screw mounted on said member and having friction means adapted to engage said collar.

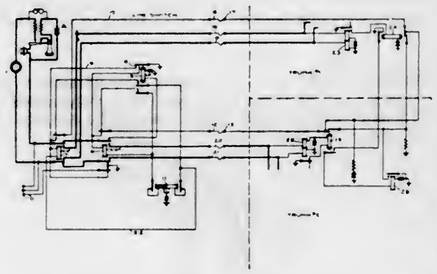
1,462,818. COOKING UTENSIL. JOSEPH AUDLEY PIERCE, Dravosburg Borough, Pa. Filed Jan. 12, 1923. Serial No. 612,188. 5 Claims. (Cl. 53—1.)

1. A steam cooker comprising an outer vessel adapted to contain water for the generation of steam, a steam ring provdied with an exterior annular shoulder adapted to fit down on the top of said outer vessel with the lower portion of said steam ring depending into said outer vessel and holding the steam ring against lateral displacement, said lower portion of the steam ring being provided with an internal annular shoulder having a substantially horizontal supporting portion, an inner vessel adapted to be supported within the outer vessel,



a plurality of spaced shoulders on the exterior of said inner vessel, said shoulders being intermediate of the vertical extent of said inner vessel and being arranged in annular series around the same, and said shoulders resting upon the supporting portion of the internal annular shoulder of the steam ring, and a lid for the top of said steam ring.

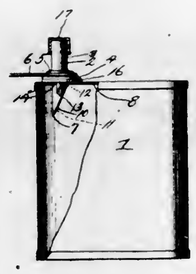
1,462,819. AUTOMATIC TELEPHONE SYSTEM. WINFRED T. POWELL, Rochester, N. Y., assignor to The Stromberg-Carlson Telephone Manufacturing Company, Rochester, N. Y., a Corporation of New York. Filed Aug. 31, 1920. Serial No. 407,173. 12 Claims. (Cl. 179—18.)



1. In a telephone system, a subscriber's line, a plurality of trunks arranged in groups, an automatic non-numerical switch for the use of said line, means for causing said switch to simultaneously test a trunk in each group, means for preventing the seizure by said switch of more than one of the trunks which are being simultaneously tested, and releasing means for said switch.

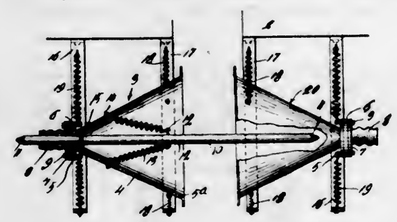
1,462,820. CAN SPOUT. CLYDE KYRLE RABER, Newcastle, Ind. Filed Dec. 14, 1922. Serial No. 606,863. 2 Claims. (Cl. 221—23.)

1. The combination with the wall of a can, of a removable spout therefor, said spout comprising a hollow cylindrical member having its ends open, one end of the hollow cylindrical member being cutaway at an angle, thereby forming inclined cutting edges adapted to form a hole in the can wall when forced therethrough, an annular flange carried by the cylindrical member, piercing lugs carried by the flange at opposite sides of the cylindrical



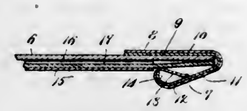
member and provided with notches for the reception of the end walls of apertures formed by the members upon a partial rotation of the cylindrical member.

1,462,821. AUTOMATIC AIR-HOSE COUPLER. SAMUEL J. W. RADER, Alfalfa County, Okla. Filed Sept. 25, 1919. Serial No. 326,260. 2 Claims. (Cl. 285—58.)



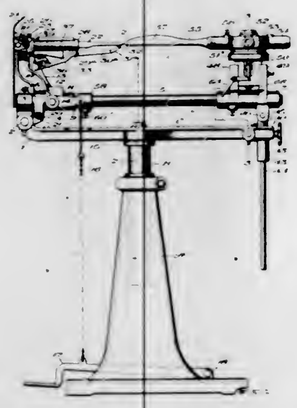
1. An air hose coupler comprising a pair of cone-shaped shells adapted for abutment, means for connecting a hose to the apex of each shell, brackets surrounding the shells in spaced relation thereto, radiating coiled springs connected to each shell and its respective bracket for resiliently suspending the shell, and a tubular shaft resiliently mounted in one of said shells and adapted to extend therethrough and through the other shell when the cars are in coupled relation.

1,462,822. INDEX DEVICE. JAMES H. RAND, North Tonawanda, N. Y. Filed May 26, 1921. Serial No. 472,726. 8 Claims. (Cl. 40—64.)



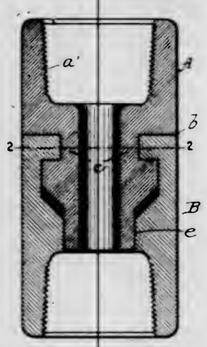
4. An index device having a back, and a marginal flange attached to the back comprising two independent leaves of flexible, resilient, sheet material, the free margin of the outer leaf being folded around the free edge of the inner leaf.

1,462,823. FOREPART-TURNING MACHINE. FRED A. REARDON, Bradford, Mass., assignor to Hamel Shoe Machinery Company, a Corporation of Massachusetts. Filed Apr. 9, 1919. Serial No. 288,706. 23 Claims. (Cl. 12—57.)



11. A shoe turning machine having, in combination, members including a turning implement and a form, means for adjusting the angle to the horizontal of said members, a body abutment, and means whereby it may be adjusted angularly with relation to said members.

1,462,824. COUPLING OR TOOL JOINT. CLARENCE E. REED and MAX CZEFTCZICK, Houston, Tex.; said Czeftczick assignor to said Reed. Filed Oct. 29, 1919 Serial No. 334,273. 3 Claims. (Cl. 285—175.)



2. In combination, a socket member having an inwardly extending flange at its top with gate-ways, a second member having a projection with laternally extending lugs to pass through said gate-ways and to be turned under said flange, and a pin carried by the second member to drop into one of the gate-ways when the two members have assumed a certain relation to each other, substantially as described.

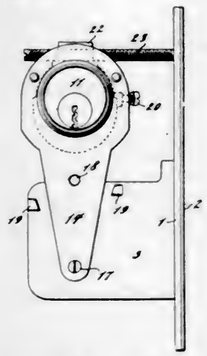
1,462,825. ADJUSTABLE PRICE MARKER. WILLIAM A. RINGLER, Philadelphia, Pa., assignor of one-half to Henry C. Yeiser, Cincinnati, Ohio. Filed Sept. 22, 1922. Serial No. 589,740. 11 Claims. (Cl. 40—63.)

1. A price marker, comprising a frame having a body portion with forwardly extending flanges at the sides and having a flexible back, a transparent cover secured at one end to said body portion and having means to engage



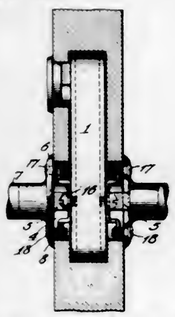
the upper edge of said body portion, and price markers between said transparent cover and body portion.

1,462,826. LOCK. OSCAR C. RIXSON, New Rochelle, N. Y., assignor to The Oscar C. Rixson Co., a Corporation of Illinois. Filed June 23, 1921. Serial No. 479,729. 13 Claims. (Cl. 70—46.)



1. A lock comprising, in combination, a lock case, a face plate carried thereby, a lock operating mechanism pivoted to the lock case and adjustable toward and from the face plate and operative in all positions upon the lock.

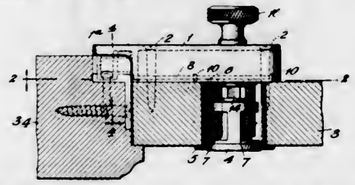
1,462,827. LOCK. OSCAR C. RIXSON, New Rochelle, N. Y., assignor to The Oscar C. Rixson Co., a Corporation of Illinois. Filed Feb. 21, 1922. Serial No. 538,181. 9 Claims. (Cl. 292—348.)



1. A lock construction for doors having a mortise and a transverse orifice therein for receiving a knob spindle, which construction comprises a lock case adapted to be received within the mortise and having in its side wall a hole for a knob spindle, an attaching member adapted to be secured to the side wall of the lock case within the transverse orifice in the door and having a screw hole, a plate adapted to cover said orifice in the door and having

a hub for a knob spindle, said plate being provided with a screw hole arranged to register with that in the attaching member when the said hub is aligned with the said hole in the lock case.

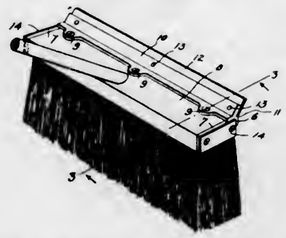
1,462,828. LOCK. OSCAR C. RIXSON, New Rochelle, N. Y., assignor to The Oscar C. Rixson Co., a Corporation of Illinois. Filed Mar. 28, 1922. Serial No. 547,387. 19 Claims. (Cl. 20—46.)



1. A lock mechanism comprising a case, a bolt slidable in the case, a roll-back for actuating the bolt in both directions, and a stop device movable into and out of the path of the roll-back by the relative movement of the bolt and case.

16. A lock comprising a lock case adapted to be secured to the face of a door, a bolt slidable in said case and arranged to protrude from one end thereof in locked position, the outer wall of the case having an extension at the bolt protruding end, a raised part on the inner face of the extension spaced from the end wall of the case and having a hole therein to receive the bolt in locked position, and a strike having a rectangular head adapted to be set into a rectangular cut in the trim and recessed to receive the raised part on said extension when the door is closed, the wall of the recess adjacent the end of the case having a hole adapted to receive the bolt when in locked position and the other three walls of the head serving to cover the raw cuts in the door trim and the bottom wall of the recess being provided with two angularly disposed diverging screw holes.

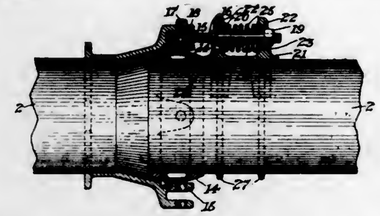
1,462,829. SCRAPER ATTACHMENT FOR BROOMS. WILLIAM ROBERTS, Los Angeles, Calif. Filed Apr. 1, 1922. Serial No. 548,627. 4 Claims. (Cl. 15—111.)



1. A scraper attachment for broom heads, comprising an angular base plate adapted to be secured to one of the upper side edges of a broom head, end plates formed integral with said base plate one at each end thereof, a scraper blade holding means formed on said base plate, and a scraper blade detachably mounted on said holding means.

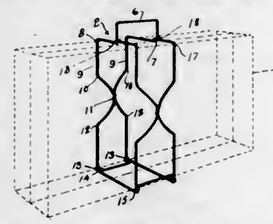
1,462,830. FLOATING DISCHARGE PIPE FOR HYDRAULIC DREDGES. ARTHUR W. ROBINSON, Montreal, Quebec, Canada. Filed Dec. 10, 1920. Serial No. 429,654. 2 Claims. (Cl. 285—94.)

1. In a floating discharge pipe for dredges a ball and socket joint in the discharge pipe in combination with a link pivotally connected to one of the pipe sections, a spring cushioning device on the adjoining pipe section, the link engaging with the spring, and spherical washers having spherical seats, which act respectively as abutments for the spring against pressures in either direction and as centering devices for the spring and the link.



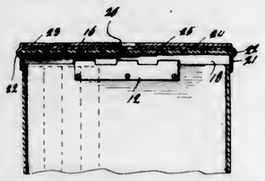
2. In a floating discharge pipe for dredges a pipe section provided with a socket having a plurality of lugs attached at one end and a single casting on the other end, a spring cushioning device supported by the casting, means to detachably attach the casting to the pipe, and a link for the spring cushioning device, adapted to interchangeably engage said lugs.

1,462,831. CARRIER FOR SUIT BOXES. SOLOMON SCHUMAN, Denver, Colo. Filed July 31, 1922. Serial No. 578,801. 1 Claim. (Cl. 224—49.)



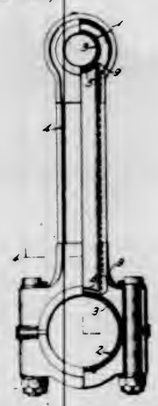
A suit box carrier comprising a side member formed from a wire having the intermediate portion thereof bent to form a handle, the free ends thereof being bent to form hooks; an intermediate U-shaped portion having its free ends formed into hooks, the hooks of the side member engaging the base portion of the intermediate member to form a hinged connection; a second side member bent intermediate its ends and hingedly connected to the hooks in the ends of the intermediate member, the free ends of the second side member being bent substantially at right angles to form means for connecting the two side members together.

1,462,832. HUMIDOR. HOWARD A. SHAW, Yonkers, N. Y. Filed Oct. 30, 1920. Serial No. 420,768. 3 Claims. (Cl. 131—30.)



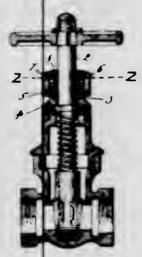
2. A humidor comprising a receptacle, a perforated closure therefor, outwardly pressed portions in opposite sides of the closure to form recesses on the interior of the closure, a resilient perforated plate slightly longer than the width of the receptacle adapted to have its opposite ends snapped into said recesses, and absorbent material disposed between the plate and the top of the closure and extended entirely across the same and retained in engagement with the top.

1,462,833. PISTON ROD. HAROLD A. SOULIS, New York, N. Y., assignor to Wilbur T. Soulis, New York, N. Y. Filed Jan. 31, 1917. Serial No. 145,575. 19 Claims. (Cl. 74—17.)



3. A connecting rod having a hollow shank portion formed from pressed metal and provided with reinforcing ribs extending longitudinally thereof, one of said ribs being formed by permanently united integral flanges.

1,462,834. VALVE. ALFRED STENWALL, Kewanee, Ill., assignor to Walworth Manufacturing Company, Boston, Mass., a Corporation of Massachusetts. Filed July 3, 1922. Serial No. 572,691. 4 Claims. (Cl. 286—31.)



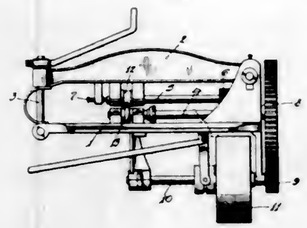
1. In a valve having a valve stem, packing around the stem and a packing-retaining member movable into an out-of-the-way position on the stem during the packing of the valve, the combination therewith of means for holding said member in an out-of-the-way position on said stem during the packing of the valve.

1,462,835. COMBINED BOARD AND METHOD OF MAKING THE SAME. WILLIAM STERICKER, Pittsburgh, Pa., assignor to Philadelphia Quartz Company, a Corporation of Pennsylvania. Filed Jan. 4, 1921. Serial No. 434,958. 2 Claims. (Cl. 154—40.)



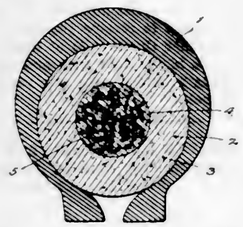
1. The process of forming a combined board having a plurality of plies of material which consists in coating one of the adjacent surfaces of said plies with an adhesive comprising a 34° Bé. solution of sodium silicate in which the proportion of sodium oxid to silica is as 1 to 4, bringing said plies together, and applying pressure thereto to cause said adhesive to unite said plies.

1,462,836. ROLLS FOR TENSIONING, LEVELING, AND STRAIGHTENING BAND SAWS. RICHARD K. THOMAS, Vicksburg, Miss. Filed July 13, 1921. Serial No. 484,364. 1 Claim. (Cl. 76—27.)



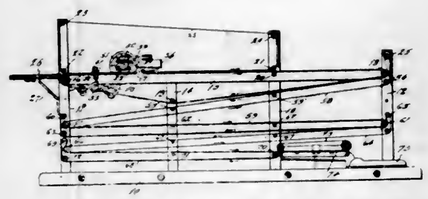
In a machine for treating band saws, the combination of upper and lower rolls, one of said rolls having a single working surface which is convex in cross section to engage the saw and the other of said rolls having a working surface which is concave in cross section and also a working surface which is convex in cross section, and means for shifting one of the rolls endwise whereby either the concave surface or the convex surface of the second-mentioned roll may be brought into operative relation to the convex surface of the first-mentioned roll.

1,462,837. TIRE FILLER. SALVATORE VITALIANO, Hazleton, Pa. Filed June 30, 1922. Serial No. 571,869. 1 Claim. (Cl. 152—2.)



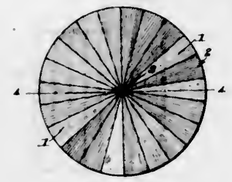
A tire filler comprising a substantially annular hollow body of cork, and a substantially compact core of feathers and chaff occupying the interior of the said body.

1,462,838. GUMMING MACHINE. ALBERT T. WALRAVEN, Dallas, Tex. Filed Oct. 18, 1921. Serial No. 508,459. 5 Claims. (Cl. 91—47.)



1. In a gumming machine, a support, an endless belt mounted on the support, retaining means disposed over the belt and moving therewith, a revolving imprinting device mounted immediately over the belt, means for supplying said device with glue, and a plurality of diverging conveyors receiving the work in sequence after it passes from the belt.

1,462,839. PHONOGRAPH REPRODUCER DIAPHRAGM. CHARLES WHITEFIELD, Victoria, British Columbia, Canada. Filed Mar. 25, 1920. Serial No. 368,795. 2 Claims. (Cl. 181—32.)

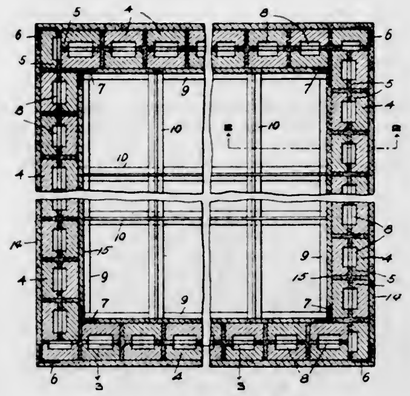


1. A reproducer diaphragm, composed of a plurality of sectors, mounted on a parchment or like base, all sectors cross sectionally tapering in thickness toward the center and consisting of quarter-sawed wood to enable the convergence of the grain toward the center for uniform vibration.

1,462,840. METHOD OF DETERMINING FREE PHOSPHORIC-ACID CONTENT. JAMES F. WILKINSON, Savannah, Ga. Filed Apr. 17, 1922. Serial No. 553,739. 2 Claims. (Cl. 23—30.)

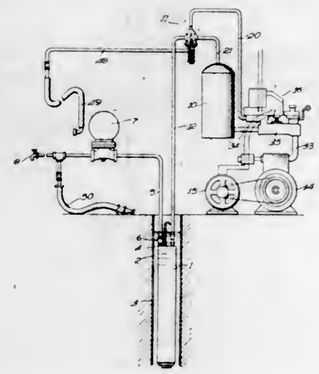
1. The process of determining the free phosphoric acid content of acid phosphate which comprises extracting the acid from a known amount of acid phosphate with a known quantity of alcohol, and titrating the solution obtained with an alkalimetal hydroxid.

1,462,841. BUILDING CONSTRUCTION. FRANK YOKEL, Pittsburgh, Pa. Filed Sept. 20, 1919. Serial No. 325,090. 3 Claims. (Cl. 72—39.)



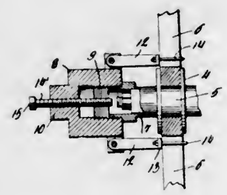
1. A building wall comprised of parallel outer and interior tiers of bricks laid one upon the other in staggered relation, the bricks in each tier all being alike and like the bricks in the other tier, each brick having its inner side face provided with a recess disposed between flanges at opposite ends of the brick, the recess extending across the thickness of the brick and having a length substantially greater than half the length of the brick, whereby communicating flues are formed between the two tiers of bricks.

1,462,842. PNEUMATIC SYSTEM. BURTON S. AIKMAN, Milwaukee, Wis., assignor to National Brake & Electric Company, Milwaukee, Wis., a Corporation of Wisconsin. Filed Aug. 19, 1921. Serial No. 493,566. 30 Claims. (Cl. 230—24.)



1. In combination, a compressor, a reservoir, an automatic controller for the compressor connected to the reservoir, and a control valve in communication with said connection for making a reduction in pressure in said connection to start the compressor said reduction being temporary only.

1,462,843. WHEEL PULLER AND EMERGENCY HUB. EARNEST D. AINSWORTH, Boneita Springs, S. Dak. Filed Dec. 31, 1921. Serial No. 526,440. 3 Claims. (Cl. 29—85.)

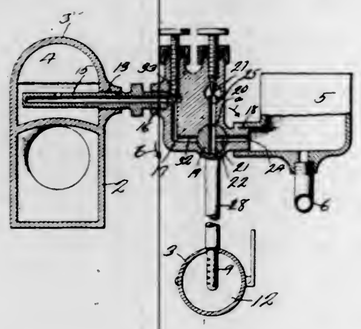


1. A device of the class described including a nut for engagement with the thread of a wheel hub and equipped with spoke embracing means, and a feed screw movable through the nut to impinge the wheel axle.

1,462,844. CHARGE PREHEATING AND VAPORIZING DEVICE. JOHN OSCAR ANDERSON and OSCAR P. PETERSON, Ely, Minn. Filed May 10, 1922. Serial No. 559,962. 5 Claims. (Cl. 123—122.)

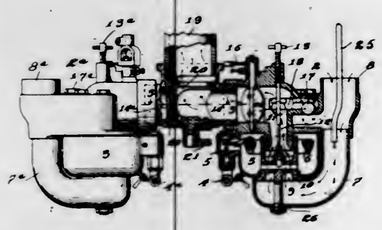
1. The combination with an exhaust manifold of an internal combustion engine, an intake manifold, a fuel supply device, of means for volatilizing, vaporizing and preheating the fuel as it passes from the fuel supply device to the intake manifold, said means comprising a valve casing adjacent the exhaust manifold, a pipe carried by the valve casing and extending into a preheating chamber carried by the exhaust manifold, spaced needle valves cooperating with valve seats, a three way plug valve rotatably mounted in the valve casing and cooperating with a fuel supply port and ports controlled by the needle valves, a pipe connection direct to the intake mani-

fold from the port controlled by one of said needle valves, means for admitting air through a port in the plug valve to the last named needle valve, and means whereby by



rotating the plug valve fuel will pass by the other needle valve to the preheating chamber and a pipe connection between the preheating chamber and the intake manifold.

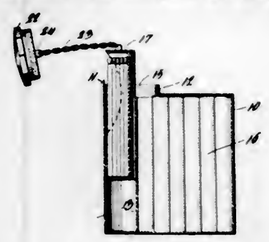
1,462,845. CARBURETING APPARATUS FOR INTERNAL-COMBUSTION ENGINES. JOHN B. BARTHOLOMEW, Peoria, Ill., assignor to Avery Company, Peoria, Ill., a Corporation of Illinois. Filed Apr. 23, 1913, Serial No. 763,115. Renewed May 29, 1920. Serial No. 385,387. 3 Claims. (Cl. 261—18.)



1. The combination with the engine duct 19 and the ducts 14, 14ª, of two fuel carbureters respectively connected to ducts 14, 14ª, one carbureter adapted to volatilize light hydrocarbon fluid, and the other adapted to volatilize heavier hydrocarbon fluid, the last said carbureter having a reduced passage through which air is drawn as a reduced stream past the fluid supply, means for supplying water to said passage, a duct leading air to said passage which under suction vaporizes the water and the hydrocarbon fluid, supplemental adjustable automatically acting devices for admitting air and commingling it with the mixture from said passage, a throttle valve in each of said ducts 14, 14ª, manually controllable means connecting said valves together for holding them in predetermined relative positions and simultaneously operating them, and a cut off valve for the duct 19 adapted to cut the ducts 14, 14ª either partially or entirely off from communication with the duct 19.

1,462,846. WATERPROOF CIGARETTE CASE. ELWOOD G. BELL, Chicago, Ill. Filed Nov. 18, 1921. Serial No. 516,122. 2 Claims. (Cl. 206—38.)

1. A cigarette case including a casing having a rounded side and an opening in one end adjacent said rounded side, a partition in the casing extending across the opening defining two compartments, a match container substantially semicylindrical located in the smaller of the two compartments, said container having an opening in



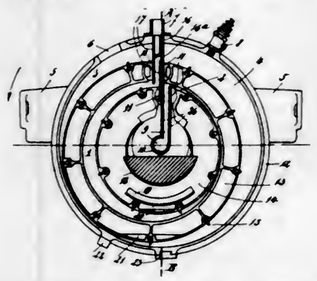
one side wall, a pair of flanges on the flat side of the container, a strip of abrasive material held between said flanges, and a closure for opening the casing.

1,462,847. DEVICE FOR DISTRIBUTING PULVERULENT OR GRANULAR MATERIAL CONTINUOUSLY SUPPLIED IN A CONTROLLED STREAM. HEINRICH BEHRENS, Brunswick, Germany. Filed Mar. 14, 1923. Serial No. 625,094. 4 Claims. (Cl. 221—121.)



1. Device for distributing pulverulent or granular material continuously supplied in a controlled stream, consisting of a plurality of tubular sections disposed substantially tangentially around a circle and forming a drum, said drum being rotatable and having an inlet through which a stationary supply spout projects, each of said tubular sections constructed to intercept the supply of material into the preceding tubular section shortly before said preceding tubular section is in discharging position.

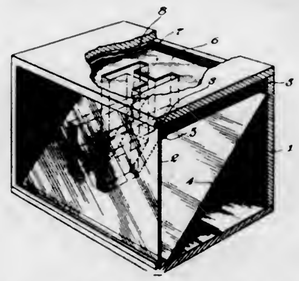
1,462,848. INTERNAL-COMBUSTION ENGINE. GASPARD BERRY, Brussels, Belgium. Filed Sept. 2, 1921. Serial No. 498,033. 6 Claims. (Cl. 123—8.) (Granted under the provisions of the act of Mar. 3, 1921, 41 Stat. L., 1313.)



4. In an internal combustion engine of the drum type having crescent-shaped chambers, the combination of three drums of different lengths and diameters of which the central drum is the smallest one, said drums being arranged so, that the inner faces of the bases of the middle drum abut against the outer faces of the bases of the central drum and the outer faces of the bases of the middle drum abut against the inner faces of the bases

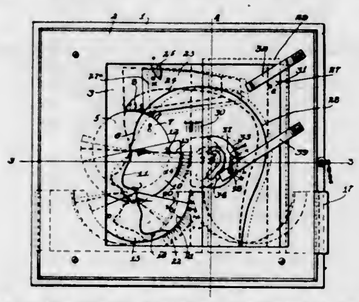
of the outer drum and that the inner circumference of the middle drum abuts on one side tangentially against the outer periphery of the central drum and on the opposite side with its outer periphery tangentially against the inner circumference of the outer drum, a hollow concentric shaft, a hollow piston fixed on the said shaft driving the rotary drums, a rockable joint member provided on the eccentrically mounted central drum and an automatic obturator for the piston fixed to the said rockable joint member, a constantly open fuel opening in said shaft and a constantly open exhaust port in the outer drum.

1,462,849. ILLUMINATED SIGN. SAM CHRISTENSON and ARTHUR E. CHRISTENSON, Fergus Falls, Minn. Filed Feb. 16, 1923. Serial No. 619,529. 3 Claims. (Cl. 40—130.)



1. A sign comprising a housing having an open front wall, a transparent plate in said open front wall, an angularly positioned reflector within said housing, a second reflector positioned adjacent the top of the housing parallel thereto, and a stencil plate arranged immediately below said second reflector in parallelism thereto.

1,462,850. PROFILE-DEFINING APPARATUS. EGBERT N. CLARK, Rochester, N. Y. Filed Feb. 28, 1922. Serial No. 539,894. 11 Claims. (Cl. 33—12.)



1. A profile defining apparatus comprising a plurality of relatively adjustable members, each having a section of a profile thereon, two proximate members being mounted to turn about a common axis at the junction of the profile sections thereon, and the other members being shiftable bodily with reference to said two members.

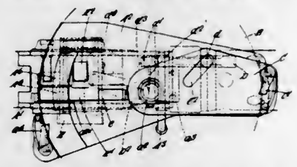
1,462,851. PROCESS FOR UTILIZING RESIDUAL HEAT. AUGUSTUS S. COOPER, Santa Barbara, Calif. Filed Oct. 7, 1921. Serial No. 506,053. 3 Claims. (Cl. 94—42.)

1. A process of the class described consisting of first heating the road surface, placing bituminized sand rock over the heated surface, covering the same with hoods that will confine the heat, and allowing the hoods to remain in place until the asphalt in the sand rock is softened by the heat retained in the surface of the road, raking the bituminous sand rock to a uniform thickness



over the surface of the road, and when in a spongy condition strewing the surface with hot broken stone and afterwards rolling so as to form a smooth surface.

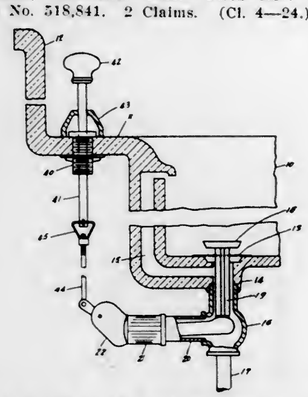
1,462,852. AUTOMATIC GUN. ARTHUR TREVOR DAWSON, GEORGE THOMAS BUCKHAM, and CARL ALFRED LARSSON, Westminster, London, England, assignors to Vickers Limited, London, England. Filed May 22, 1923. Serial No. 640,717. 6 Claims. (Cl. 89—3.)



1. In an automatic gun of the barrel recoiling type having a lock provided with an extractor, the combination of a rotary cartridge-holding member and means for moving the cartridges one at a time by the movements of the barrel, into a position for engaging with the extractor of the lock.

2. In an automatic gun of the barrel recoiling type having a lock provided with an extractor, the combination of a cartridge drum, means for angularly displacing said drum step by step by the movements of the barrel, a feed member operated by the movements of the barrel and means for depositing a cartridge from said drum into said member.

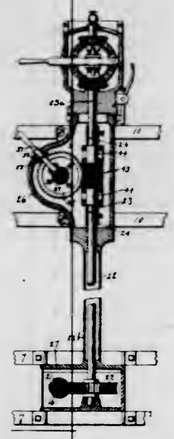
1,462,853. WASTE CONTROL FOR BASINS. WILLIAM H. DEHN, Cleveland, Ohio. Filed Nov. 30, 1921. Serial No. 518,841. 2 Claims. (Cl. 4—24.)



1. In a device of the character described, the combination with a bowl having a waste outlet and a stopper for closing the said outlet of a fitting extending down from said waste outlet, a pipe section mounted in the side connection of said fitting, a casing supported by said pipe section, said casing comprising a cylindrical portion and a head portion, a stopper lifting lever mounted in said cylindrical portion; said lever having a spherical shaped body portion, a sleeve mounted in said casing and surrounding the spherical portion of said lever, said sleeve having an internal flange at its forward end of less diameter than the diameter of the

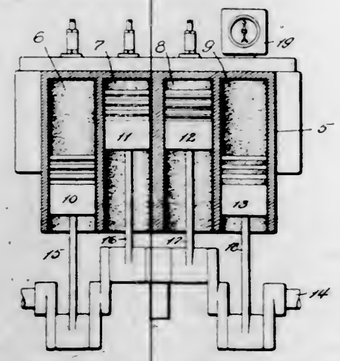
spherical portion of said lever, a coiled spring mounted in said casing and exerting a constant pressure against said sleeve, a gland mounted at the opposite end of said casing and carrying a packing ring adapted to bear against the spherical portion of the stopper lifting lever and means for operating said lever.

1,462,854. WASHING MACHINE. FREDERICK FENSELAU and GEORGE W. THOMPSON, Detroit, Mich. Filed Feb. 7, 1920. Serial No. 356,905. 1 Claim. (Cl. 74—101.)



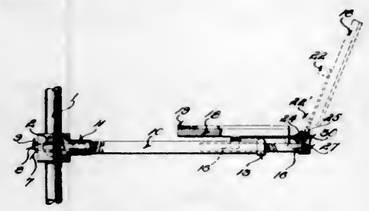
In a washing machine, the combination of a support, a casing secured to one side of the support and a cover for the casing, a three part vertical shaft, the upper and lower parts thereof extending out through the ends of the casing, couplings within the casing and accessible when the cover is removed, which couplings normally connect the parts of said shaft but permit the removal of the intermediate part thereof when disconnected, a worm on the intermediate part of the shaft, and a driving mechanism including a worm wheel in mesh with the worm.

1,462,855. METHOD OF TREATING PISTONS, PISTON RINGS, AND CYLINDERS, AND SPECIALLY-PREPARED PISTON RINGS. OSCAR W. GERLEMAN, St. Louis, Mo. Filed Dec. 7, 1921. Serial No. 520,537. 3 Claims. (Cl. 74—109.)



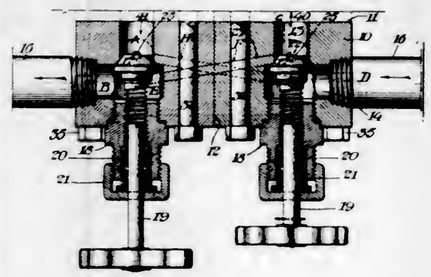
1. As an article of manufacture, a piston ring having a circumferential groove formed on its lateral surface filled with graphite not to exceed one grain by weight per inch of cylinder diameter held in suspension by paraffine.

1,462,856. PORTABLE TABLE. ARTHUR A. HARTMAN and WILLIAM C. SCHWARZBACH, Janesville, Wis. Filed Oct. 12, 1922. Serial No. 593,998. 4 Claims. (Cl. 45—82.)



1. A portable table comprising means for adjustably engaging a vertical support, an arm extending horizontally outwardly therefrom, a second arm telescopically associated with said first mentioned arm and having a horizontally positioned angularly arranged extension, collars adjustably mounted upon such extension, a table pivotally secured to said collars and adapted to occupy either a horizontal position or an upwardly slanting position, and means upon the under side of said table for engaging a book, said collars having means carried thereby for supporting said table either in its horizontal or upwardly slanting position, whereby said table may be freely rocked into the two positions and retained therein.

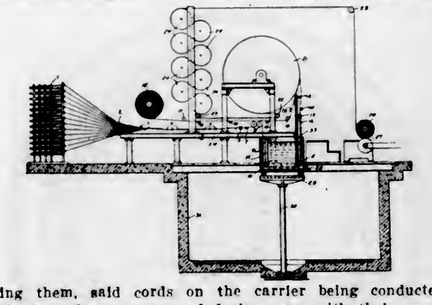
1,462,857. VALVE BLOCK FOR COMPRESSORS OR PUMPS. NICOLAI H. HILLER, Carbondale, Pa. Filed Dec. 8, 1921. Serial No. 520,831. 10 Claims. (Cl. 103—3.)



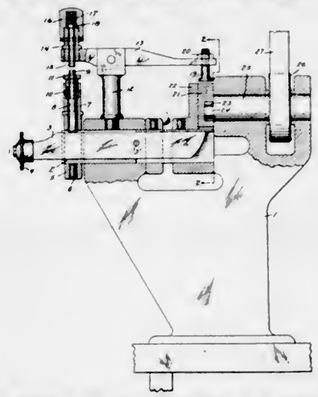
1. A valve block adapted to be secured to a pump cylinder port and having a main passage therethrough for registry with said port, a valve within said block for controlling said passage, and a pair of branch passages leading from said main passage at opposite sides of said valve, and a second valve in said block for controlling one of said branch passages.

1,462,858. APPARATUS FOR THE PRODUCTION OF WEFTLESS RUBBERIZED CORD FABRIC. ERNEST HOPKINSON, New York, N. Y., and ALFRED E. JURY, Rutherford, N. J.; said Jury assignor to Morgan & Wright, a Corporation of Michigan. Filed Oct. 29, 1921. Serial No. 511,498. 3 Claims. (Cl. 154—1.)

3. An apparatus for manufacturing weftless fabric comprising a source of supply of independent cords, means for treating the cords with latex, heated metallic devices for drying the treated cords including a plurality of rows of cans, in combination with, a flexible carrier for maintaining the cords in parallel relation while drying them, said cords on the carrier being conducted through the two rows of drying cans with their opposite faces alternately in contact with the cans.

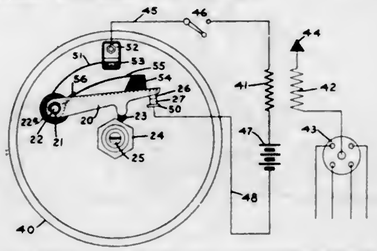


1,462,859. STITCHING MACHINE FOR JOINING RUBBER. THOMAS B. HUESTIS, Bristol, R. I., assignor to National India Rubber Company, Bristol, R. I., a Corporation of Rhode Island. Filed Sept. 20, 1922. Serial No. 589,456. 6 Claims. (Cl. 154—1.)



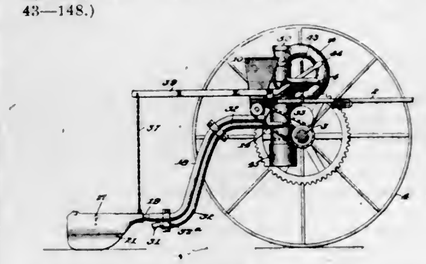
1. A stitching machine comprising a pivotally mounted stitching tool, means independent thereof for rapidly vibrating the same, and means for operatively connecting them upon pressing an article to be stitched against said tool.

1,462,860. IGNITION TIMER. JOHN H. HUNT, Dayton, Ohio, assignor to The Dayton Engineering Laboratories Company, a Corporation of Ohio. Original application filed Jan. 2, 1918, Serial No. 209,845. Divided and this application filed Dec. 11, 1919. Serial No. 344,204. 5 Claims. (Cl. 200—30.)



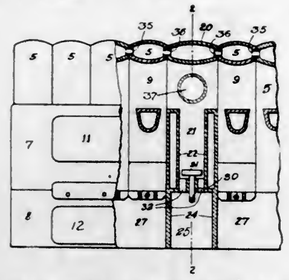
1. In a timer mechanism, the combination with a support; of a pivoted arm having a hub mounted upon the support, but insulated therefrom; a contact carried by the arm; a second contact carried by the support; a cam member cooperating with the arm to separate the contacts; a bracket mounted upon the support, but insulated therefrom; a leaf spring having one end thereof attached to the insulated bracket, and another portion partly encircling the hub of the arm, and the free end extending alongside the arm; a block of elastic material exhibiting elastic hysteresis located between the free end of the spring and the arm; and a clip attached to the spring and bearing upon the arm hub.

1,462,861. PLANT-VERMIN-EXTERMINATING STRUCTURE. JOHN M. JORDAN, Summit, Ga.; T. M. Jordan administrator of said John M. Jordan, deceased. Filed Apr. 24, 1920. Serial No. 376,387. 1 Claim. (Cl. 43—148.)



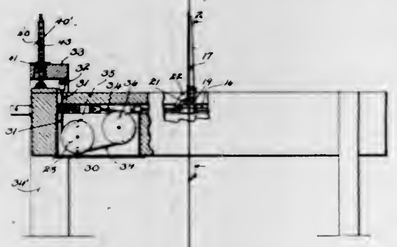
A vermin-destroying structure including a wheel-supported sulky comprising a frame, an axle mounted in the frame, wheels attached to the axle, gearing associated with the axle, a fan device carried by the frame, a poison-containing hopper also carried by the frame, a distributing member associated with the hopper and communicating with the fan device, tubular elements extending from the distributing device, yieldable plant-covering hoods attached to the tubular members and arranged in spaced-apart relation, means for adjusting the hoods laterally, and means for raising and lowering the hoods to different planes in respect to the frame of the sulky.

1,462,862. COMBINATION BOILER. CHARLES R. KLINE, Reading, Pa. Filed Sept. 9, 1920. Serial No. 409,079. 2 Claims. (Cl. 122—225.)



1. In a device of the character stated, a plurality of water holding sections, provided with transverse flues and communicating water passages, and a grate for the reception of solid fuel, in combination with a water holding section adapted to be heated by gas, said latter section having a water connection to said other sections, and a flue in communication with said transverse flues, a gas burner located in the lower portion of said gas heated section, upright water jacketed walls in said gas heated section located on each side of said gas burner, and a support for said gas burner having vertically extending air inlet passages leading from a chamber below said gas burner to the combustion chamber above the latter.

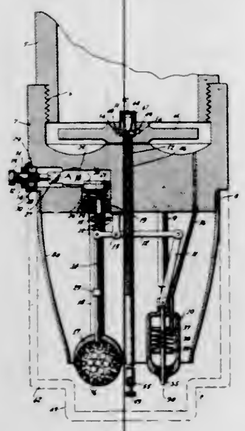
1,462,863. CHEESE PRESS. GUST KOHLMEIER, Manitowoc, Wis. Filed Sept. 18, 1922. Serial No. 588,905. 5 Claims. (Cl. 100—55.)



1. In a device of the class described, the combination of a pair of sides having grooves therein, a pressure bar having its ends received in said grooves, heads on said pressure bar, a pair of pulleys, one of said pulleys being mounted on one of said sides, the other of said pulleys being mounted on the other of said sides, a pair of flexible members, one of said members being secured to one end of said pressure bar, the other being secured to the other end of said pressure bar, said flexible members passing over said pulleys and extending directly in the path of travel of said pressure bar, and means for imposing the weight of one end of said sides upon said flexible members.

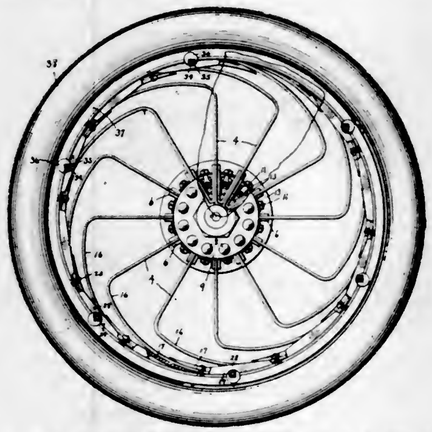
5. In a device of the class described, the combination of a pair of sides having grooves therein, legs supporting one end of said sides, a pressure bar having its ends slidable in said grooves, resilient means urging said pressure bar in one direction, a pair of flexible members, each secured to an end of said bar, a pulley on each of said sides, each of said flexible members passing over one of said pulleys, and means for imposing the weight of said sides on said flexible members, whereby said pressure bar is moved against the action of said first mentioned means.

1,462,864. CHECK-WRITING FOUNTAIN PEN. MARTIN M. LANG, Brooklyn, N. Y. Filed Aug. 29, 1921. Serial No. 496,217. 6 Claims. (Cl. 120—43.5.)



6. A device of the class described embodying an ink reservoir, a perforating device mounted for reciprocation and adapted to be supplied with ink from the reservoir, and means adapted to roll over the surface of the paper to cause reciprocation of the perforating device.

1,462,865. RESILIENT WHEEL. ERNEST F. LIECKFELT, Detroit, Mich. Filed Mar. 10, 1921. Serial No. 451,394. 11 Claims. (Cl. 152—50.)



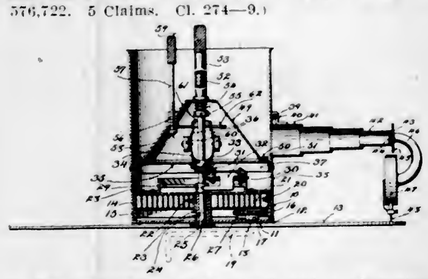
1. In a resilient wheel, the combination of a hub, a series of spokes having their inner ends lying against the hub, a series of substantially V-shaped springs between the inner ends of the spokes, wedges, and means to force the wedges between the sides of the springs to press the springs into the spaces between the spokes.

1,462,866. CURTAIN ROLLER. CHARLES O. MATHEWS, Devon, Conn. Filed Jan. 23, 1923. Serial No. 614,355. 6 Claims. (Cl. 156—36.)



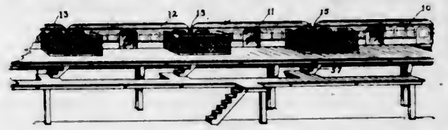
1. In a curtain roller, a barrel having a spring tensioned rod therein, end caps for the barrel including inner and outer abutting disks the inner ones received in the barrel ends, bushings receiving the rod ends, said disks having registering central perforations, through which the bushings are passed, the ends of the bushings being headed into engagement with the outer faces of the disks, one of the bushings having an oval-like head to clamp the outer convolution of the spring to the inner disk of the adjacent end cap, pawls, and posts for the pawls having ends passed through the inner disk of the other end cap and headed with their heads engaged against the outer disk of the said other end cap.

1,462,867. PHONOGRAPH. WILLIAM VICTOR MEYER, Milwaukee, Wis. Filed July 22, 1922. Serial No. 576,722. 5 Claims. Cl. 274—9.)



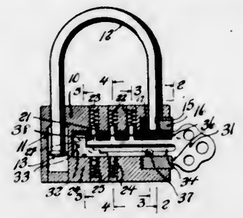
1. The combination of a record and a phonograph located entirely above said record and operable on said record while said record is stationary for reproducing the sound recorded by said record said phonograph being supported entirely by said record.

1,462,868. PASSENGER TRAIN AND PLATFORM. LOUIS NEWMAN, Chicago, Ill. Filed Dec. 15, 1917. Serial No. 207,372. 24 Claims. (Cl. 104—30.)



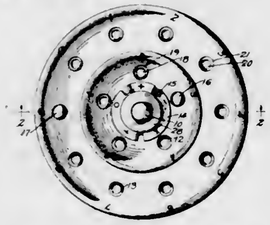
4. A passenger train and a platform at which said train may stop to receive and discharge passengers, said train and said platform both having entrances and exits, a platform separator directing persons leaving the train directly to the platform exits thereby preventing them from mingling with persons boarding the train.

1,462,869. LOCK. ADAM PRIMAK, Kenosha, Wis. Filed Apr. 25, 1922. Serial No. 556,396. 5 Claims. (Cl. 70—96.)



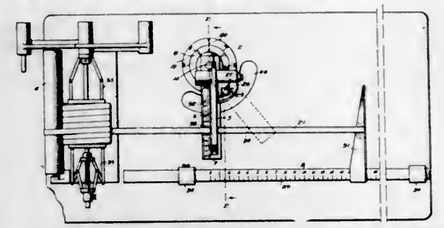
1. The combination of a casing, a shackle pivoted thereto and having a transversely slotted locking end, said casing having an opening to receive the locking end of said shackle, a series of slidable spring urged tumblers within said casing, a cylinder provided with a key slot and a series of apertures adapted to receive said tumblers, said cylinder being rotatably mounted within said casing, a slidable block operably coupled to said cylinder and having a tooth adapted to enter the slot in the locking end of said shackle, and a key adapted to enter the slot within said cylinder and to press the tumblers outwardly from the recesses in said cylinder, whereby when the key is inserted the cylinder may be rotated and moved axially to withdraw the tooth from engagement with the slot in said shackle.

1,462,870. MATHEMATICAL TOP. JAMES B. ROGERS, Chicago, Ill. Filed Jan. 7, 1922. Serial No. 527,565. 6 Claims. (Cl. 35—2.)



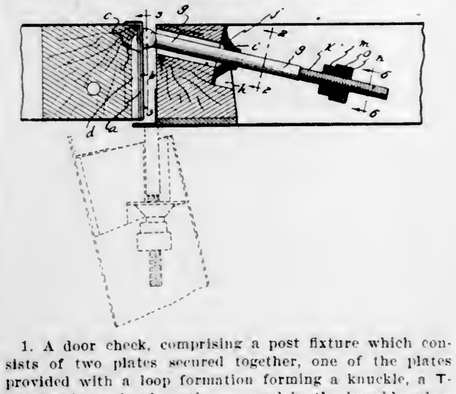
1. A top comprising a spinnable body provided with a circular ball race, and a ball mounted to travel in said race as the top spins and means for preventing the ball from escaping outwardly beyond the confines of said circular ball race.

1,462,871. MEASURING AND CUTTING DEVICE. IRVING ROSENBERG, East Orange, N. J. Filed June 2, 1921. Serial No. 474,558. 6 Claims. (Cl. 164—41.)



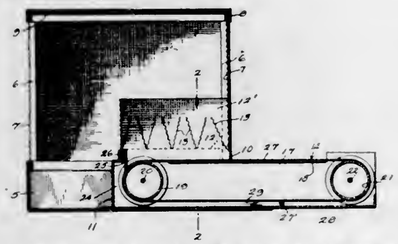
1. A combined measuring and cutting device comprising: cutting means, a measuring scale, and a guide, movable with respect to said measuring scale, for passing a length of material through the plane of the cutting means.

1,462,872. DOORCHECK. ALBERT SCHMIDT, Detroit, Mich., assignor to Fisher Body Corporation, Detroit, Mich., a Corporation of New York. Filed Feb. 1, 1922. Serial No. 533,296. 6 Claims. (Cl. 292—275.)



1. A door check, comprising a post fixture which consists of two plates secured together, one of the plates provided with a loop formation forming a knuckle, a T-bolt having a head portion secured in the knuckle when the said two plates of the fixture are secured together, a door fixture through which the stem of the T-bolt slidably engages, and an abutment on the end of the T-bolt for striking the door fixture.

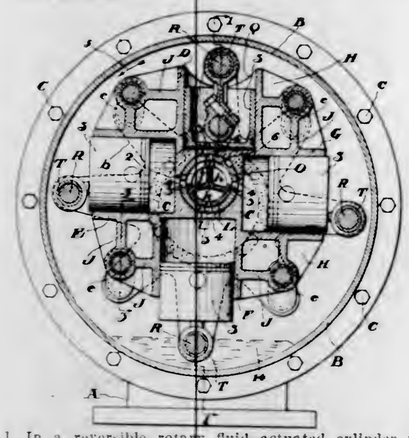
1,462,873. FLY-CATCHING APPARATUS. HENRY C. SHOCKEY and THOMAS FENNELL, Casa Grande, Ariz. Filed Sept. 7, 1921. Serial No. 499,010. 1 Claim. (Cl. 43—111.)



In fly catching apparatus, a main casing having an opening in one side thereof, a holding socket in the main casing in alignment with said opening, guide bars carried by said holding socket, a guide casing carried by said guide bars, tapered elements arranged in said guide casing, a support adapted for insertion in and through the opening in the main casing and having its forward

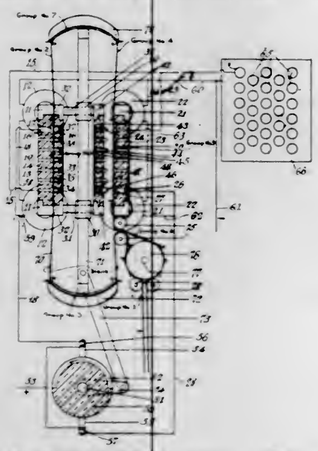
end removably mounted within said holding socket, a conveyor element bodily mounted upon said support, and means to drive conveyer element.

1,462,874. ROTARY-CYLINDER MOTOR. FRED M. SLATER, Easton, Pa., assignor to Ingersoll-Rand Company, Jersey City, N. J., a Corporation of New Jersey. Filed Jan. 19, 1922. Serial No. 530,481. 5 Claims. (Cl. 121—39.)



1. In a reversible rotary fluid actuated cylinder motor, a main bearing for the cylinder member having three motive fluid distribution passages, one of said passages always being in communication with the atmosphere, and reversing means for causing either one of the remaining two passages to act as an inlet when the other of said two passages is caused to be open to atmosphere, a rotary cylinder member having at least one cylinder mounted to rotate on said bearing, and a port adapted to successively connect the cylinder with the said three passages as the cylinder rotates, whereby properly timed admission to the cylinder through that passage acting as an inlet and early cut-off of the supply and then exhaust from the cylinder is obtained in either direction of rotation of the cylinder member as controlled by the said reversing means.

1,462,875. ELECTRICAL DISPLAY SYSTEM. RAY F. STODDARD, Dayton, Ohio. Filed Oct. 27, 1919. Serial No. 333,833. 13 Claims. (Cl. 177—350.



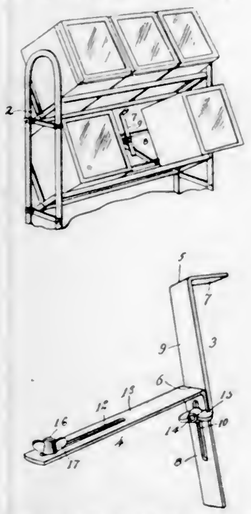
3. In an electrical display system, a field of incandescent lamps, two fields of contact couples, one couple in each field adapted to control one and the same lamp in said field of lamps; a single strip of insulating material adapted to pass between the members of each field having perforations which permit only predetermined couples to contact, means for moving said strip intermittently to bring new sections thereof successively between the fields of contact couples, and means for holding the strip stationary between either of the fields of contact members while it is moving with reference to the other field of members.

1,462,876. METHOD OF MANUFACTURING CONNECTING PINS. ELMER M. SUMMERHAYS, Hammond, Ind., assignor to Frederic Schaefer, Pittsburgh, Pa. Filed Jan. 27, 1922. Serial No. 532,320. 2 Claims. (Cl. 29—164.)



1. The method of forming a cylindrical blank and in a single operation a headed pin having a forged entering end, which comprises spreading laterally, by the same dies used for forging the entering end of the pin, the other end of the blank to form an elongate head overhanging the body of the pin.

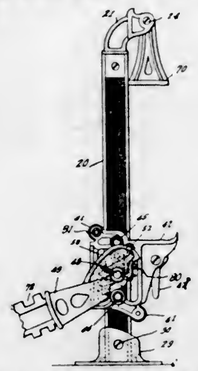
1,462,877. DISPLAY-RACK ATTACHMENT. EDWARD B. WESTON, Dayton, Ohio. Filed Apr. 16, 1923. Serial No. 632,362. 5 Claims. (Cl. 211—14.)



1. In combination with a display rack having an inclined shelf, and an open metallic frame as a back support, in which containers are displayed, a bracket for supporting at the back a container shallower than other containers on the shelf, comprising a member to be attached to the back support, a member to support the back of the shallower container and a member to engage the upwardly facing side of the said container.

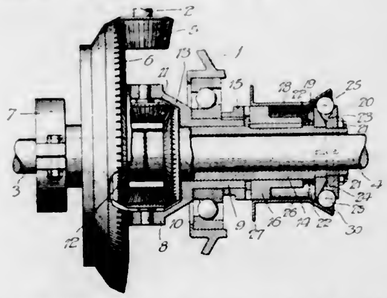
1,462,878. JACK. GEORGE WARREN WILLIAMSON, Indianapolis, Ind. Filed Mar. 30, 1922. Serial No. 547,979. 7 Claims. (Cl. 254—106.)

1. A lifting jack comprising a main stem, a load-engaging member slidably mounted on the stem, a pair of climbing members mounted on the stem and movable longitudinally and laterally, a pivoted operating lever carried by the load-engaging member, interengaging means between said lever and climbing members for causing relative reciprocation of the climbing members upon oscillation of the lever, means for normally causing the



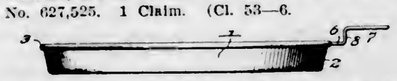
climbing members to actively interengage with the stem in one direction of movement while permitting freedom of movement in the opposite direction, and means permitting lateral movement of the lever to cause lateral shifting of the climbers to permit reverse movement of the climbers on the stem.

1,462,879. CLUTCH FOR DIFFERENTIAL-GEAR-CONTROL MECHANISM. IRVING C. WOODWARD, Syracuse, N. Y. Filed Oct. 22, 1921. Serial No. 509,660. 2 Claims. (Cl. 192—93.)



1. The combination of a clutch operating mechanism, with a clutch comprising a pair of elements having coacting shoulders on their opposed faces, yielding means normally holding said elements in driving relation to each other, a pair of rotatable members having opposed cam surfaces, one of said rotatable members being axially stationary, the other of said rotatable members being axially movable and connected to one of said clutch elements by rods extending through said one member, and wedging means coacting with said cam surfaces for moving said other member away from said one member to disengage said clutch elements.

1,462,880. HANDLE FOR PIE PANS. HELEN SOPHIA ALTMAN, Elcho, Wis. Filed Mar. 24, 1923. Serial No. 627,525. 1 Claim. (Cl. 53—6.

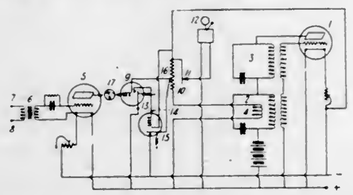


A pie pan having its peripheral wall provided with a bead at its upper edge, a handle formed of a doubled strand of wire having its inner ends turned into the bead, said handle bent upwardly at a distance from the bead and also bent outwardly a distance from the top of the pan edge.

1,462,881. METHOD FOR PRODUCING FLUID-SEPARATING MEDIUMS AND FLUID-SEPARATING MEDIUM PRODUCED THEREBY. THOMAS M. CHANCE, Philadelphia, Pa. Filed Jan. 25, 1922. Serial No. 531,770. 6 Claims. (Cl. 83—85.

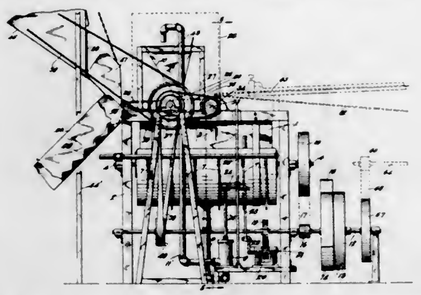
1. The method for producing composite separating mediums for use in the separation of materials of unlike physical properties which consists in suspending in a liquid a plurality of intermixed comminuted solids substantially insoluble therein and of different specific gravities and in so proportioning the volumetric percentages of said solids and of said liquid as to attain the desired specific gravity of said medium.

1,462,882. RECEIVING SYSTEM. HENRI CHIREIX, Paris, France. Filed Mar. 24, 1922. Serial No. 546,465. 12 Claims. (Cl. 250—2.)



1. In signaling systems, a calling device, comprising a circuit adapted to oscillate, means responsive to signals adapted to control the oscillation of said circuit, a vibrator cooperating with said circuit and an integrating device having a portion adapted to be alternately utilized in response to the actuation of said vibrator to control an indicating device.

1,462,883. PROCESS AND APPARATUS FOR MAKING CONFECTIONS. WILLIAM S. CLOUD, Peoria, Ill., assignor to James D. Roszell, Peoria, Ill. Filed May 2, 1923. Serial No. 636,071. 12 Claims. (Cl. 107—1.)



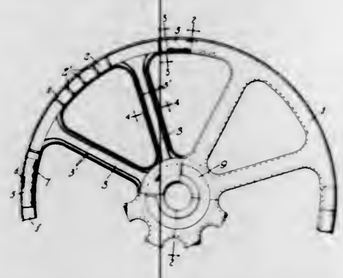
1. The process of coating candy centers and enveloping said coated centers with materials, which consists in continuously moving said centers and during such movement subjecting the same, first to a coating of plastic material to enrobe said centers and then without appreciably cooling enveloping said enrobed centers with a multiplicity of edible units.

6. In an apparatus of the character described, in combination, means for moving candy centers, means for enrobing said centers with a coating of plastic material as they are moved, and means for enveloping the enrobed centers with a multiplicity of edible units during the movement of said centers.

11. In an apparatus of the character described, in combination with a continuously operating coating means

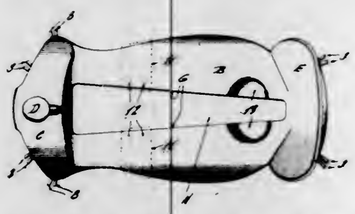
for enrobing sandy centers with a plastic material, of means for enveloping said enrobed centers with a multiplicity of edible units, and means to separate the enveloped centers and the surplus edible units.

1,462,884. WHEEL. EDWARD J. DOTTERWEICH, Syracuse, N. Y., assignor to Oliver Frederick Cabana, Buffalo, N. Y. Filed Jan. 4, 1922. Serial No. 526,975. 20 Claims. (Cl. 301—65.)



14. A hollow cast metal wheel comprising substantially sector shaped sections each including a hollow felly section, a hollow spoke and a hollow hub section cast integrally with each other, the spoke section extending in a generally radial direction and opening directly into the felly and hub sections, a channel shaped connecting member arranged within adjacent end portions of adjoining felly sections and having a brace extending across the open side thereof, and means for holding said member and the coacting felly section in proper relation to each other including an integral projection on one of said coacting parts in interlocking engagement with the other, said parts being welded together adjacent said projection.

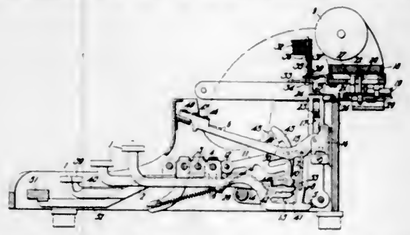
1,462,885. SADDLE. ARCHIE W. HAWKINS, St. Louis County, Mo., assignor to Simmons Hardware Company, St. Louis, Mo., a Corporation of Missouri. Filed Apr. 8, 1921. Serial No. 459,987. 5 Claims. (Cl. 54—44.)



2. A saddle provided with a saddletree having side bars, an abruptly depressed semicircular portion being formed in the rear portion of each of said side bars at its inside margin, said depressed portion being in the top face of the bar, and stirrup straps secured to said saddletree.

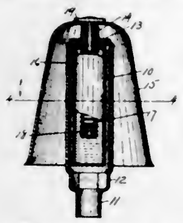
1,462,886. TYPEWRITING MACHINE. WILLIAM H. HULSE, Brooklyn, N. Y., assignor to Underwood Typewriter Company, New York, N. Y., a Corporation of Delaware. Filed June 12, 1920. Serial No. 388,401. 14 Claims. (Cl. 197—83.)

1. In a typewriting machine, the combination with a traveling carriage, of letter-feeding type-keys, silent keys, an escapement-actuating device universal to said letter-feeding keys and said silent keys, a device tending to lock said escapement-actuating device in actuated position when moved thereto, and means, universal to said letter-feeding keys but not to said silent keys, for pre-



venting the locking action of the locking device when the escapement-actuating device is actuated by the letter-feeding keys.

1,462,887. TEMPERATURE ALARM. OSCAR H. LUDEMAN, Glen Ridge, N. J. Filed Dec. 20, 1921. Serial No. 523,792. 9 Claims. (Cl. 116—102.)



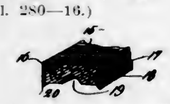
2. A signal comprising a hollow support adapted to receive a fluid, a sounding device loosely mounted on said support for movement thereon to sound an alarm, a device movably affected by changes in temperature and located within said support to be affected by the temperature of the fluid therein, and a controller operatively connected with said device and with said sounding device to control the movements of the latter.

1,462,888. DENTAL SUCTION PLATE. JACOB I'ETRY, Pittsburgh, Pa. Filed Apr. 18, 1922. Serial No. 554,386. 3 Claims. (Cl. 32—4.)



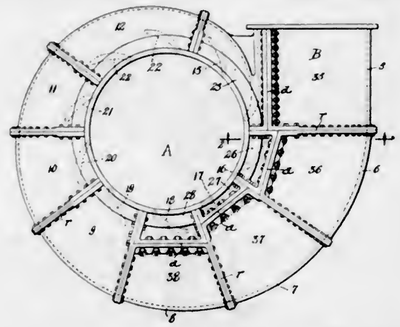
1. The combination of a plate having a seat formed therein with an undercut groove, and a suction element having upper and lower reversed cup-sections, one cup-section engaging said seat.

1,462,889. BICYCLE SLED. ADELBERT T. SLATER, Bay City, Mich. Filed Nov. 1, 1922. Serial No. 598,330. 1 Claim. (Cl. 280—16.)



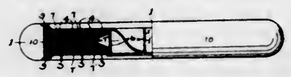
As a new article of manufacture, a runner for the device of the class described including a body having overhanging shoulders extended along its upper longitudinal edges, plates disposed under the shoulders and extending below the underface of the body said body provided on its underface with a centrally located longitudinally extending channel.

1,462,890. SPIRAL CASING. HARVEY BIRCHARD TAYLOR, Philadelphia, Pa. Filed Apr. 30, 1920. Serial No. 377,735. 28 Claims. (Cl. 253—120.)



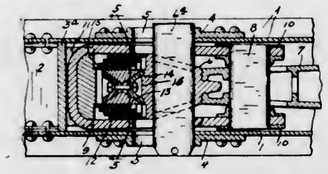
1. A volute casing for a turbine or pump subdivided into a plurality of separate cast sections by a series of transverse planes, at least one of which sections is further subdivided into two smaller sections by two planes diagonal to the axis.

1,462,891. RESILIENT WHEEL. GEORGE E. VINNEDGE Portland, Oreg. Filed Sept. 25, 1922. Serial No 590,534. 5 Claims. (Cl. 152—28.)



2. A vehicle wheel comprising a disk hub member provided upon its periphery with a plurality of radial projections integral with it and having mounted thereon and interlocked in position by means of said projections a plurality of concentric metal bands having similar radial projections integral with them, the said bands alternating with a corresponding number of resilient bands acting as separators between said metal bands, an outer band or felloe provided upon its inner surface with a plurality of depressions corresponding with the number of projections upon the bands and fitting closely over the outer separator band of resilient material and interlocked thereon, and upon its outer face a tire.

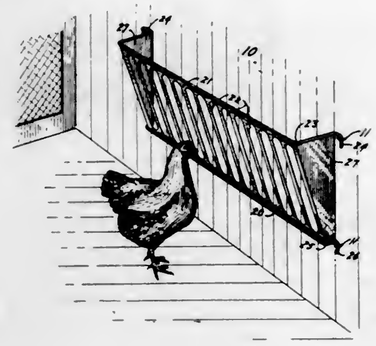
1,462,892. FRICTION DRAFT GEAR. EDWIN C. WASHBURN, Englewood, N. J. Filed Feb. 5, 1921. Serial No. 442,658. 11 Claims. (Cl. 213—23.)



1. A draft gear having in combination a longitudinal compressible volute plate spring, means for compressing said spring and frictional radially movable means for expanding the same.

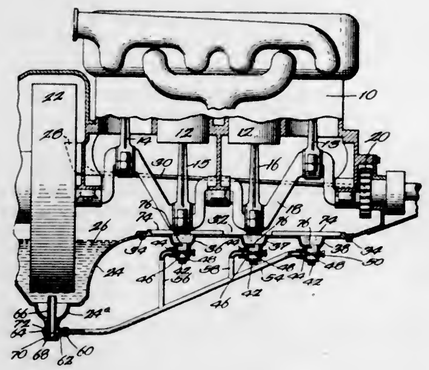
1,462,893. VEGETABLE FEEDER FOR POULTRY. WILLIAM WINGROVE, Edgewater, Colo. Filed Feb. 19, 1923. Serial No. 620,069. 1 Claim. (Cl. 119—60.)

A feed container for poultry comprising a strip of sheet metal bent at its extremities to form two wedge shaped end members; a series of slots formed in said strip between said end members; a rod secured along the upper edge of said strip, said rod terminating at its ends in



downward turned hooks; a second rod secured along the lower edge of said strip with its ends similarly terminated and staples adapted to be fixed in a vertical wall and engaged by said downward turned hooks.

1,462,894. COMBUSTION-ENGINE-LUBRICATING MECHANISM. GOTTLIEB F. ZUCKER, Chicago, Ill. Filed Dec. 19, 1921. Serial No. 523,508. 4 Claims. (Cl. 184—13.)

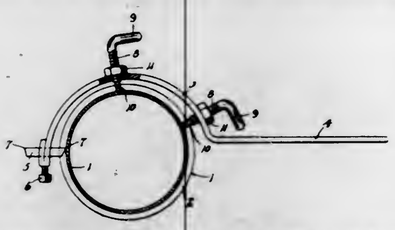


3. In mechanism of the class described, the combination of a crankshaft carrying a plurality of crank pins to be lubricated, a plate below the crank shaft provided with a plurality of oil pots, one for each crank pin mechanism, separate pipe connections leading from the lower portions of said oil pots to an oil chamber, mechanism carrying oil from said oil chamber and delivering it onto said plate to maintain oil in said oil pots, and means in connection with each oil pot for independently regulating the amount of oil returning from each oil pot to said oil supply means, for the purposes set forth.

1,462,895. PISTON-RING-GROOVE CARBON SCRAPER. CARL AMUNDSON, Spring Grove, Minn. Filed Dec. 7, 1922. Serial No. 605,514. 4 Claims. (Cl. 15—104.01.)

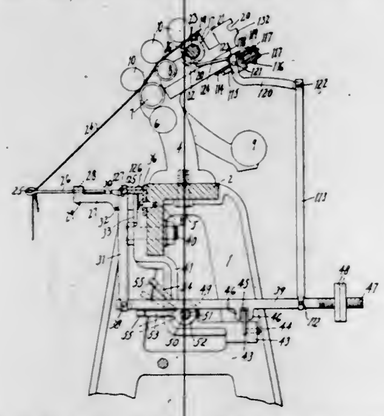
2. A device of the class described comprising a frame of substantially semi-circular shape having a handle at

one end thereof, a radially adjustable tool removably held in one end of said frame, and spaced radially adjustable



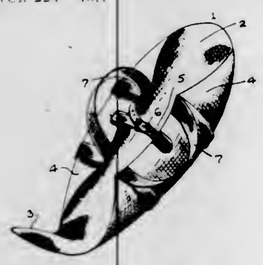
guiding means carried by said frame adapted to travel in the piston ring groove.

1,462,896. AUTOMATIC ROVING CHECK. GEORGE R. BARKSDALE and PAUL H. WILSON, Greenwood, S. C.; said Wilson assignor to said Barksdale. Filed Oct. 28, 1922. Serial No. 597,661. 38 Claims. (Cl. 117—28.)



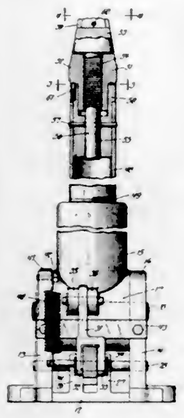
1. In an automatic roving check, means controlled by the roving after it passes the third drawing roll to cause said roving to break between the first and second drawing rolls in the event the roving first breaks after passing said second drawing roll.

1,462,897. CARRIER. ALPHONSO V. BARTO, Bronxville, N. Y. Filed July 3, 1920. Serial No. 393,795. 12 Claims. (Cl. 224—45.)



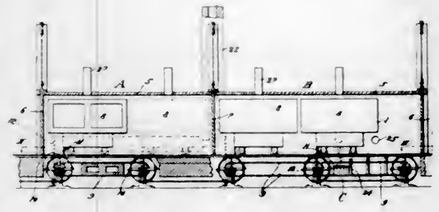
1. A carrier adapted to support children comprising a flexible means held in extended position, a small area of said means being held at an angle to the remaining area of said means to form a saddle which functions to prevent a child from sliding from said carrier, and a handle associated with said means for transporting said carrier.

1,462,898. STITCHING MACHINE. GOTTFRIED P. BAUMANN, Chicago, Ill., assignor to Ideal Stitcher & Manufacturing Company, Chicago, Ill. Filed June 27, 1921. Serial No. 480,742. 10 Claims. (Cl. 1—15.)



8. In a stitching machine, a clincher-block post base bracket for mounting on the base of the stitcher, a clincher-block post pivotally mounted on said bracket so as to tilt forward from a normal upright position, a treadle pivotally secured to said bracket, interengaging locking plates on said treadle and post to normally lock the post in its upright position, and a link connecting said treadle and post but having lost motion so as to permit a preliminary movement of the treadle to unlock said plates and a further movement to tilt the post.

1,462,899. FURNACE FOR MELTING AND CASTING. GEORGE HILLARD BENJAMIN, New York, N. Y., assignor to Anatmos Metals and Furnace Corporation, New York, N. Y., a Corporation of Delaware. Filed Oct. 15, 1921. Serial No. 507,960. 10 Claims. (Cl. 263—28.)

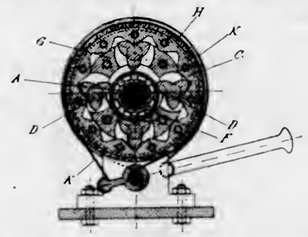


1. In a structure of the class described, the combination of a tunnel kiln, means for heating the interior of the kiln, a series of melting furnaces, means for leading the melting furnaces, said means being independent of the means for heating the interior of the kiln, and means for moving the melting furnaces through the kiln.

1,462,900. TRANSMITTING AND REVERSING GEAR. RICCARDO BONINSEGNI, Florence, Italy. Filed Sept. 2, 1921. Serial No. 497,830. 5 Claims. (Cl. 74—34.)

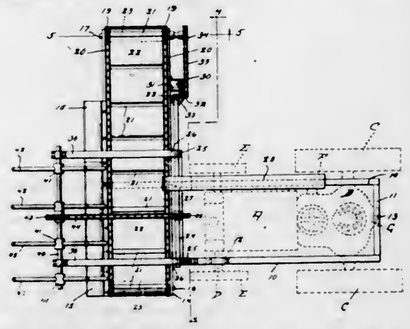
1. Motion transmitting mechanism, comprising, in combination, a driving shaft and a driven shaft, an eccentric carried by the driving shaft, a drum carried by the driven

shaft in concentric relation to said driving shaft, rotatable members carried by said drum and adapted to



be rotated by said eccentric, and means disposed in concentric relation to said shafts and adapted to restrain the rotation of said rotatable members.

1,462,901. SNOWPLOW. GEORGE S. BRECHT, Baltic, S. Dak., assignor to A. L. Stewart, Canton, S. Dak. Filed Dec. 9, 1922. Serial No. 605,960. 6 Claims. (Cl. 37—45.)



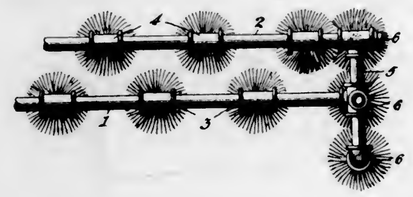
1. A snow plow attachment for tractors comprising a frame adapted to be placed in embracing relation to a tractor inwardly of the wheels thereof and equipped with clamps engageable with the front axle and means for connection with the draw-bar mounting, a transverse frame carried by the forward end of said main frame and located in advance of the tractor, a scraping blade carried by said transverse frame and a conveyor mounted within said transverse frame and driven from the power pulley of the tractor.

1,462,902. METHOD OF TREATING ROADWAYS. SAM EVERETT FINLEY, Atlanta, Ga. Filed Nov. 7, 1919. Serial No. 336,453. 3 Claims. (Cl. 94—23.)

1. The method of constructing road surfaces which comprises applying a layer of broken stone or other mineral aggregate to the foundation, wetting the aggregate sufficiently to wash adhering loose foreign matter therefrom and coat and partially impregnate the aggregate with the wetting medium, and covering the wetted aggregate with a penetration coating of heated bituminous binding medium; whereby a better penetration and incorporation of the binder with the aggregate is effected.

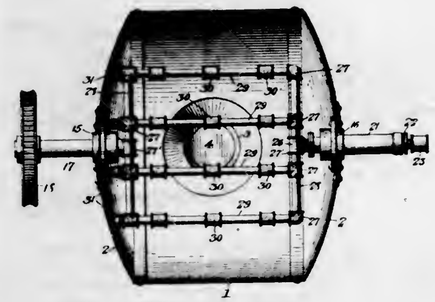
1,462,903. APPARATUS FOR APPLYING BINDING MEDIA TO ROAD SURFACES. SAM EVERETT FINLEY, Atlanta, Ga. Original application filed Sept. 21, 1921, Serial No. 502,264. Divided and this application filed Mar. 20, 1922. Serial No. 545,237. 4 Claims. (Cl. 299—34.)

2. Means for applying a coating of binding medium to a road surface including the marginal edges thereof, comprising a header having a longitudinal series of spray nozzles delivering overlapping sprays of the medium to



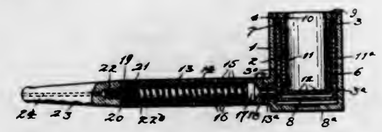
the road surface, and a transverse series of spray nozzles at the end of the header to deliver overlapping sprays at the lateral edge of the road surface.

1,462,904. METHOD OF PREPARING BITUMINOUS-CEMENT-AGGREGATE COMPOSITION. SAM EVERETT FINLEY, Atlanta, Ga. Filed July 18, 1922. Serial No. 575,864. 8 Claims. (Cl. 94—23.)



1. The method of preparing bituminous cement-aggregate composition which comprises distributing the various sizes of aggregate uniformly throughout the mass by agitation, and applying a predetermined proportion of binding medium to the mass while the latter is in agitated condition in the form of a uniform spray.

1,462,905. SMOKING PIPE. JOHN B. FROST, Buckley, Wash. Filed Apr. 16, 1921. Serial No. 461,911. 1 Claim. (Cl. 131—12.)



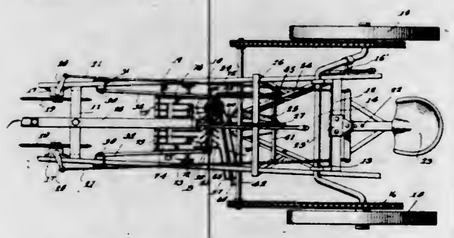
In a pipe for smoking tobacco and the like a plurality of telescoping bowls the innermost bowl adapted to contain the burning tobacco being spaced from the next adjacent bowl throughout except for a supporting annular rim and the outermost bowl being spaced from the next adjacent inner bowl by a helical flange defining a helical passage, said helical passage communicating with the space adjoining the innermost bowl adjacent the supporting annular rim and said latter space communicating with the cavity of the innermost bowl by passages formed in the latter's bottom.

1,462,906. SUPPORT FOR USE IN PACKING BASE-BALL GLOVES FOR SHIPMENT. WALTER L. GRAEFF, Philadelphia, Pa., assignor to George A. Reach, Philadelphia, Pa. Filed Dec. 11, 1922. Serial No. 606,327. 3 Claims. (Cl. 206—7.)



1. A support for use in packing base ball gloves in shipping boxes, comprising a blank having triangular ends bent to one side of the blank into planes perpendicular to said blank, and having integral spaced wings extending from the opposite face of the body of the blank.

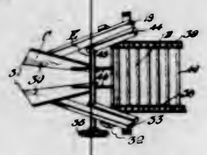
1,462,907. BEET-TOPPING MECHANISM. CLARENCE L. GREENING and CHARLES W. GREENING, Breckenridge, Mich. Filed May 24, 1920. Serial No. 383,832. 6 Claims. (Cl. 55—107.)



1. In a beet harvester, a beet topping mechanism including a stationary knife, a rotatable knife, means for rotating the knife, and means for permitting the rotating knife to slide in relation to said stationary knife when a hard object is struck.

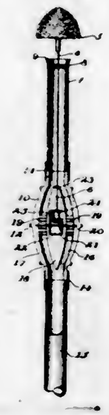
3. In a beet harvesting mechanism, a frame, cutting knives carried by the frame, means carried by the frame and arranged in rear of said cutting knives for moving the severed tops therefrom, and an endless conveyor arranged to engage said beet tops and move the same to one side of said frame.

1,462,908. BEET HARVESTER. CLARENCE L. GREENING and CHARLES W. GREENING, Breckenridge, Mich. Filed May 24, 1920. Serial No. 383,833. 4 Claims. (Cl. 55—106.)



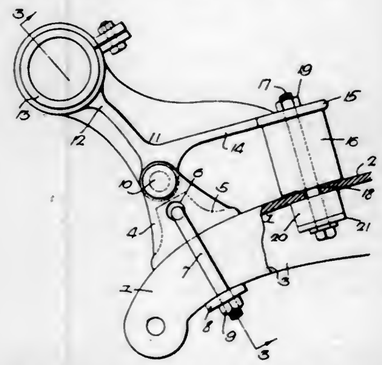
1. In a beet harvesting device, a frame, a pair of ground wheels for the frame, a depending U-shaped frame secured to the supporting frame, a pair of inclined pulling bars carried by the lower terminals of the U-shaped frame, an elevating mechanism carried by the supporting frame and including an endless belt and supporting shafts therefor, a second depending U-shaped frame carried by the supporting frame, side bars carried by the terminals of the second U-shaped frame, a rotatable shaft carried by the side bars, arcuate penetrating teeth carried by the shaft and extending radially therefrom, said shaft being arranged intermediate the pulling bars and the conveyor belt, and means for operatively connecting the ground wheels with the conveyor belt supporting shafts and with the rotatable shaft carried by the side bars.

1,462,909. ROTARY NOZZLE BRUSH. STANLEY F. GULBA, Shamokin, Pa. Filed Sept. 27, 1922. Serial No. 590,936. 3 Claims. (Cl. 15—23.)



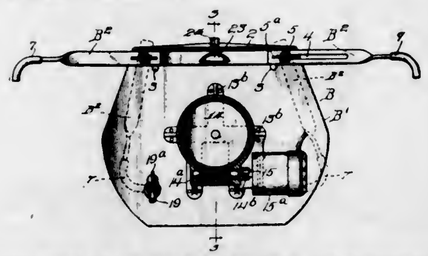
1. In a rotary brush, the combination of an ellipsoidal casing having a passage therethrough, said casing constituting two separable halves, and said passage occurring in only one of said halves and comprising two channels passing around an abutment, a water wheel disposed in each of said channels, a shaft joining said wheels, a shaft extending transversely of the said shaft and adapted to support a brush, gearing between said shafts, and the other of said halves having cavities therein for partially receiving said shafts and wheels.

1,462,910. BUMPER FOR AUTOMOBILES. GEORGE HAINLEN, Philadelphia, Pa. Filed Feb. 14, 1923. Serial No. 618,975. 4 Claims. (Cl. 293—55.)



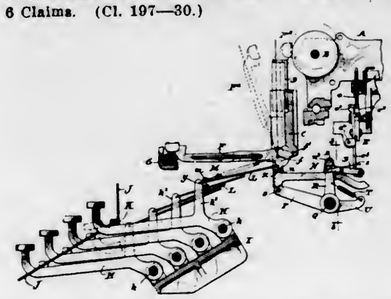
1. The combination of a side frame of an automobile; a bearing mounted on said frame; a bell crank lever pivotally mounted in the bearing; a bumper bar carried by one arm of said lever; and a spring located between the other arm of the lever and the upper surface of the frame.

1,462,911. WASHING MACHINE. ADOLF K. HANSON, Chicago, Ill. Filed Aug. 31, 1920. Serial No. 407,239. 1 Claim. (Cl. 68—18.)



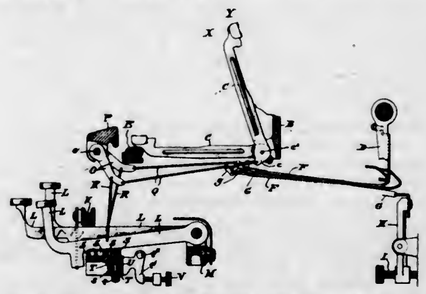
In means of the character set forth, the combination of a casing, two pairs of foldably mounted arms connected with the top of said casing and adapted to support the casing in a bath-tub, one of said pairs being laterally adjustable, a rotary member mounted in the casing, and actuating mechanism for said member mounted on one end of said casing.

1,462,912. TYPEWRITING MACHINE. EDWARD B. HESS, Manhattan Beach, N. Y., assignor to Royal Typewriter Company, Inc., New York, N. Y., a Corporation of New York. Filed Nov. 17, 1921. Serial No. 515,842. 6 Claims. (Cl. 197—30.)



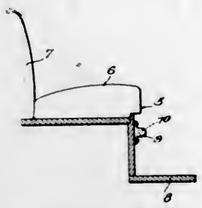
1. In a typewriting machine the combination of key levers of the second order having upwardly extending arms, type bars, links of different lengths connecting the type bars with the upwardly projecting arms of the key levers, and springs of the same length connected with the type bars in front of their pivots and with the links behind the arms of the key levers.

1,462,913. TYPEWRITING MACHINE. EDWARD B. HESS, Manhattan Beach, N. Y., assignor to Royal Typewriter Company, Inc., New York, N. Y., a Corporation of New York. Filed July 15, 1922. Serial No. 575,153. 5 Claims. (Cl. 197—183.)



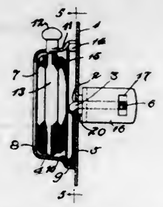
2. In a typewriting machine the combination of a type action comprising a train of positive connections between the key lever and the type bar, a spring pressed plunger underlying the key lever which at first retards the downward movement of the key lever and finally stops it before the type bar has reached the platen, and a movable support in which said plunger is mounted.

1,462,914. VEHICLE HANDHOLD. THEODORE K. JACKSON, Mobile, Ala. Filed Aug. 14, 1920. Serial No. 403,601. 1 Claim. (Cl. 280—150.)



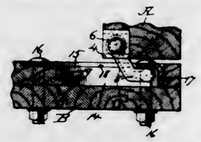
In a vehicle, the combination, with a seat, of a handhold extending transversely of the vehicle on the front portion of the seat-structure below the occupant-bearing portion thereof arranged to be grasped by a person on the seat when inclining forwardly whereby he may prevent himself from being thrown upwardly.

1,462,915. TIMEPIECE HOLDER. GEORGE STEELE LOWNDES, Jr., Atlanta, Ga., assignor of one-half to T. T. Flagler, Atlanta, Ga. Filed Nov. 30, 1921. Serial No. 518,890. 7 Claims. (Cl. 58—56.)



2. The combination of a casing adapted to inclose a time piece with its face exposed, and a resilient plate supported by its edge within said casing and adapted to bear against the back of the time piece.

1,462,916. LOCK FOR FREIGHT-CAR DOORS. FRED MATHEWS, Chicago, Ill. Filed Mar. 1, 1922. Serial No. 540,146. 10 Claims. (Cl. 292—219.)

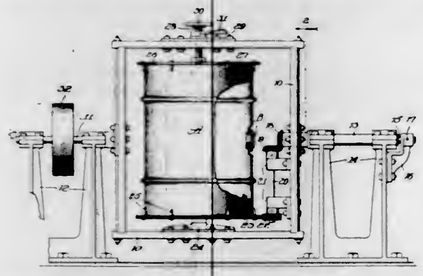


1. The combination with the frame of a doorway and a lock secured in a vertical member thereof, of a sliding door for closing the doorway and a counterpart for said lock in its inner surface out of which the lock is kept by said door when the latter is opened, and which interlocks therewith when the door is closed.

1,462,917. BARREL-WASHING MACHINE. JOHN H. MILLER, Chicago, Ill. Filed Dec. 17, 1921. Serial No. 522,975. 4 Claims. (Cl. 141—6.)

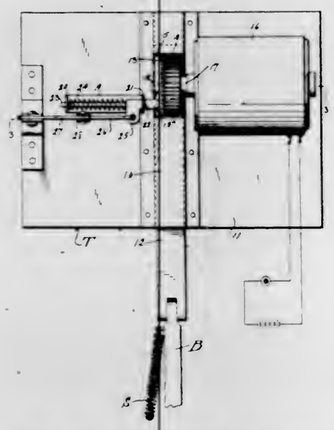
1. A barrel washing machine comprising a frame, aligned trunnions at the sides of said frame, means for

releasably supporting a barrel in said frame with its axis at right angles to said trunnions, means for turn-



ing said frame about its trunnions and means operating through one of said trunnions for simultaneously rotating said barrel about its own axis.

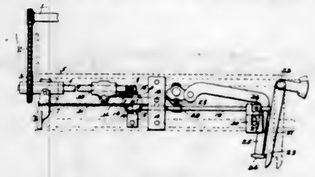
1,462,918. AUTOMOBILE BRAKE. CHARLES E. NORTON, Loveland, Colo., assignor of one-half to Harry P. Norton, Loveland, Colo. Filed Jan. 23, 1922. Serial No. 531,258. 1 Claim. (Cl. 188—162.)



In a brake operating mechanism, a brake rod, means normally urging the brake rod in one direction, means for moving the brake rod in the opposite direction including a bar provided with a ratchet rack, a plate having spaced ears, a bolt slidably mounted in the ears of said plate and provided intermediate the ears with an enlargement, a spring extending intermediate the enlargement of the bolt and one of said ears and urging said bolt into engagement with said ratchet rack, a pivoted bell crank, a line connection between one arm of said bell crank and the enlargement of said bolt, and a depressible foot pedal including a stud pivotally connected to the other arm of said bell crank.

1,462,919. BUNCH BUILDER. FRANK K. PETREA and WILL J. JORDAN, Columbus, Ga. Filed Dec. 15, 1921. Serial No. 522,587. 6 Claims. (Cl. 242—43.7.)

1. In a bunch builder for bobbin winding machines, the combination with the fulcrum shaft lever of said machine, of a trip-lever for holding said fulcrum shaft lever during the bunch building period, and means for actuating said trip-lever to release the fulcrum shaft lever, said means embodying a worm shaft driven by an element of the winding machine, a trip-wheel driven by



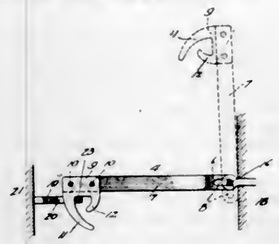
said worm shaft, and a slidable tripping member adapted to throw said trip lever and operated by said trip wheel at a predetermined point in the rotation thereof.

1,462,920. WIRE HEAD FOR LOOMS. OLIVER J. PICKARD and FRED PICKARD, Philadelphia, Pa., assignors to Joseph Pickard's Sons, Philadelphia, Pa., a Firm consisting of Oliver J. Pickard and Fred Pickard. Filed Feb. 21, 1922. Serial No. 538,269. 4 Claims. (Cl. 139—44.)



3. A wire head comprising a body portion having therein a groove for the reception of a pile wire, and an element adapted to overlie the groove and having a perforation registering with the groove and affording a passage for a flow of solder against the side of the pile wire, substantially as described.

1,462,921. COUPLER DEVICE. FRANK J. REICHMANN, Chicago, Ill. Filed Jan. 24, 1921. Serial No. 439,442. 3 Claims. (Cl. 280—33.44.)



1. A coupler device formed at one end with a depending portion and a portion in the rear of said first-referred-to portion between which a recess is presented, said recess opening through the bottom of the coupler device and at which portion the device is adapted to receive a keeper, the opposed surfaces of said portions being generally upwardly divergent and the lower end of one of said portions extending below the lower extremity of the other of said portions and extending across and beyond the vertical plane occupied by the inner surface of the latter.

1,462,922. FURNACE ATTACHMENT. GEORGE F. SEITZ, Philadelphia, Pa. Filed May 15, 1920. Serial No. 381,691. 4 Claims. (Cl. 110—60.)

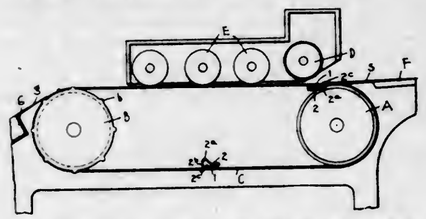
1. A furnace attachment comprising a casing located within a furnace in position to be heated by fire therein, a pipe leading from the outside of the furnace into said

casing, means for feeding water into said pipe, a pipe leading from said casing, a mixing nozzle carried by said second named pipe, an air inlet pipe leading from



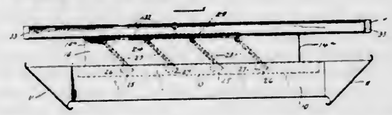
the outside of the furnace to said mixing nozzle, and a perforated discharge nozzle connected with said mixing nozzle and located immediately above the bed of fire.

1,462,923. SHEET GRIPPER. FRANK C. STEVENS, Cohasset, Mass., assignor to United Printing Machinery Company, Boston, Mass., a Corporation of Massachusetts. Filed July 2, 1921. Serial No. 482,166. 15 Claims. (Cl. 271—75.)



1. A gripper for the purpose specified comprising a supporting member adapted to be detachably attached to the belt, and a spring member extending from the free end of the supporting member and having a bend and a portion extending from the bend through an opening in the belt provided with a sheet engaging part, substantially as described.

1,462,924. VENTILATOR. GROVER C. WALKER, Chicago, Ill. Filed Nov. 26, 1921. Serial No. 517,850. 4 Claims. (Cl. 98—22.



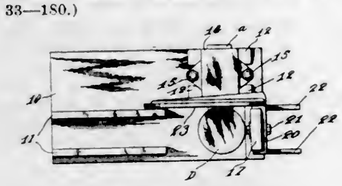
4. A ventilator of the character described including a tubular duct having flaring open ends and having a longitudinally extending opening at its rear wall, a rectangular casing extending from said opening and engaged with the rear wall, a hollow supporting frame through which the outer end of said casing extends and to which it is connected, a series of pivotally supported shutters mounted within said casing, and means for coincidently adjusting the shutters, the supporting frame having parallel, downwardly extending flanges on its lower edge adapted to receive a window between them.

1,462,925. SPRING BINDER POST. WILLIAM WILBURGER, Brooklyn, N. Y. Filed Dec. 12, 1921. Serial No. 521,782. 2 Claims. (Cl. 129—13.



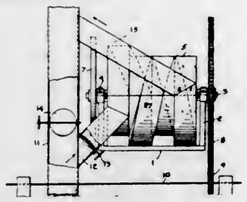
1. A binder post of the character described formed of a single piece of coiled wire having one end portion of reduced diameter, and a cap having an internally threaded socket to screw over said reduced end of said shank.

1,462,926. CONNECTING-ROD AND PISTON ALIGNING MACHINE. JULIUS C. WILKIE, Winona, Minn. Filed June 7, 1922. Serial No. 566,652. 3 Claims. (Cl. 33—180.)



1. In combination, a base, a pair of straight edges thereon, said straight edges being disposed in the same plane, a shaft saddle on the base, a post extending from said base adjacent said saddle perpendicularly to the plane of said straight edges, a slide adjustably mounted on said post, a pair of projecting straight edges carried by said slide, said projecting straight edges being in a plane parallel to the plane of the straight edges on the base.

1,462,927. DRAFT MOTOR. JOHN YATES, San Francisco, Calif. Filed June 6, 1921. Serial No. 475,223. 2 Claims. (Cl. 253—38.)

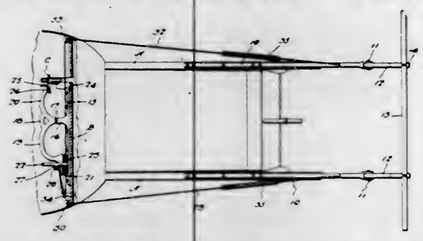


1. The combination with an outlet flue, of a casing remote from the flue, an intake pipe leading off from the flue to the casing, an outlet pipe leading from the casing back to a point in the flue above the casing, a rotor in the casing, and a helical conduit extending around and communicating at spaced points between its ends with the exterior of the casing and at its ends with the intake and outlet pipes respectively.

1,462,928. SAFETY FENDER FOR AUTOMOBILES. JOSEPH E. AMADOR, New York, N. Y. Filed Oct. 17, 1921. Serial No. 508,182. 2 Claims. (Cl. 180—83.)

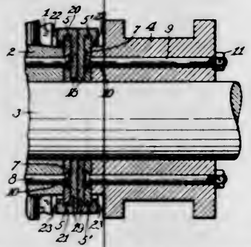
1. A safety device for motor vehicles comprising the combination with the brake setting pedal, of an anvil member carried by the pedal, a hammer member pivoted intermediate its ends and having one end engageable with said anvil, springs engaging the other end of the

hammer for urging the first mentioned end forcibly against the anvil, a slotted guide for the second mentioned end of the hammer, a catch device pivotally



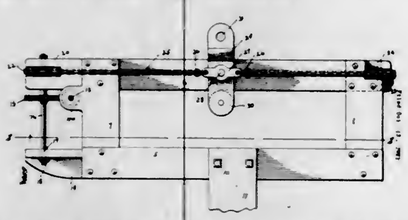
mounted on said guide and engaging behind the second named arm of the hammer device, and collision released means for withdrawing said catch device from engagement with the hammer.

1,462,929. SECTIONAL JOURNAL BOX AND HUB LINER. CHARLES N. BARTON, Indianapolis, Ind., assignor of one-fourth to Fred N. Reynolds, one-fourth to Fred K. Murphy, one-twelfth to Martha E. Davis, and one-twelfth to May E. Reynolds, all of Indianapolis, Ind., and one-twelfth to Evelyn M. Dinnin, New York, N. Y. Filed July 5, 1921. Serial No. 482,514. 9 Claims. (Cl. 64—25.)



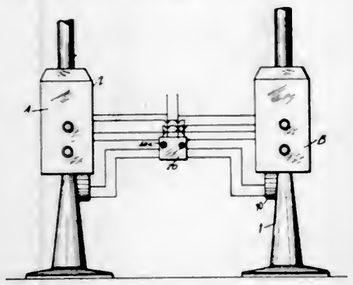
5. In a sectional journal box and hub liner, the combination of a wheel hub having a circumferential guide rib on an end thereof, the rib having lock shoulders thereon, and a plurality of segmental liner sections covering the end of the hub and having lateral rim portions embracing the rib, the rim portions being provided with lips engaging the back of the rib and provided also with lugs engaging the lock shoulders on the rib to secure the sections to the wheel hub.

1,462,930. TRACTOR HITCH. GROVER E. BOLLMAN, Sugarcreek, Ohio. Filed Oct. 13, 1921. Serial No. 507,537. 1 Claim. (Cl. 280—33.10.)



A tractor hitch comprising a frame having front and rear transverse bars and end connecting members secured thereto, a bifurcated hitch straddling said rear bar and provided with a bearing roller, a longitudinally rotatable shaft and worm gearing for operating the same disposed at one side of the frame, a sprocket mounted on said shaft and rotatable in a recess formed in the end of the rear transverse bar, a second sprocket rotatable in a recess in the opposite end of said bar, a sprocket chain trained over said sprockets and connected to the hitch member and a vertical shaft for operating said worm gearing whereby the hitch may be moved to various adjusted positions.

1,462,931. CONTROL MECHANISM FOR MOTION-PICTURE-PROJECTING MACHINES. NORMAN T. BURGESS, Santa Ana, Calif. Filed Dec. 22, 1920. Serial No. 432,611. 4 Claims. (Cl. 88—17.)



1. A motion picture projecting apparatus comprising projecting machines arranged to alternately function, each machine including a rotatable reel having a film strip wound thereon, an electric motor for said reel, electric lighting for said machine, a main switch adapted to close the light and motor circuits for one machine and open said circuits for the other machine, an electric circuit for each machine controlling said main switch, a switch for each of said circuits closed when the film strip of the machine with which it is associated has been unwound from its reel, whereby the main switch is thrown to stop said machine and start the other machine.

1,462,932. BRAKE-ROD ATTACHMENT. JOHN WESLEY CONNELL and JOHN ARMSTRONG, Centralia, Wash. Filed Dec. 15, 1921. Serial No. 522,561. 1 Claim. (Cl. 74—48.)

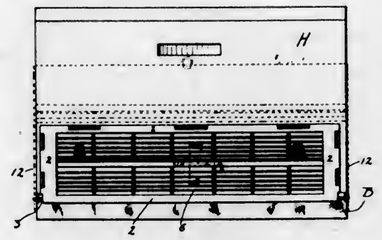


The combination of a pair of overlapped slidably connected sections, each of which consists of a length of metal bent intermediate its ends to provide a loop and a pair of spaced parallel side rods, the terminal portions of each pair of side rods being extended laterally to form stops, a coiled spring confined between said stops, all of said side rods being received within said coiled spring and held in position thereby, a head having a socket receiving one of said loops, said head being provided with means whereby the same may be connected to a brake operating mechanism, and a link having an offset portion extending through the loop at one end of one of the sections, said offset portion and said head being in the line of said laterally projecting stops to limit the sliding movement of the same.

1,462,933. COLLAPSIBLE QUEEN AND DRONE TRAP. JOHN B. COTTAM, Montecito, Calif. Filed July 21, 1922. Serial No. 576,575. 12 Claims. (Cl. 6—9.)

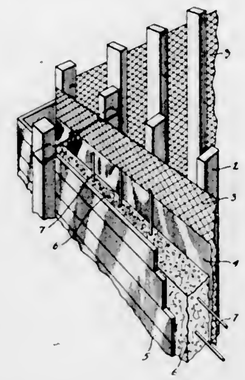
1. A queen and drone trap comprising a plurality of collapsible sections adapted to be erected in cage forming position and applicable to the front of a beehive to cover the opening thereof.

8. A queen and drone trap comprising a plurality of collapsible sections adapted to be erected in cage forming position and applicable to the front of a bee-hive to cover the opening thereof, and queen holding cells in said trap.



11. A collapsible bee trap comprising a front foraminous panel structure, a top section foldably connected to said structure, a back section foldably connected to the top section, and a floor section foldably connected to the back section and adapted to be folded into cooperative relation to the front structure to provide a separate trapping chamber for queen and drone bees, and end panels for the trap and being hingedly connected to associated elements thereof.

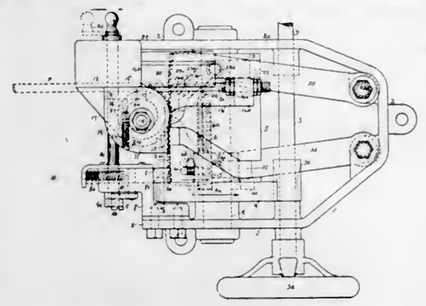
1,462,934. WALL AND METHOD OF MAKING SAME. JOHN SIMON FLUOR, Santa Ana, Calif. Filed Oct. 26, 1922. Serial No. 597,057. 3 Claims. (Cl. 25—131.)



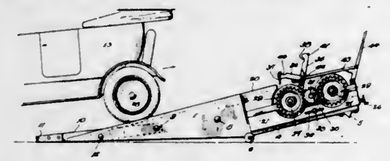
1. The method of building a concrete structure which consists of setting a framework and applying to this a wire fabric and on this supporting a substantially impervious mold side forming paper sheeting, erecting in spaced relation to the said paper sheeting means a temporary concrete mold member, and filling the mold chamber with concrete and permitting the same to set after which the temporary mold work is removed.

1,462,935. MACHINE FOR BENDING PIPE. CARL GABRIELSON, Syracuse, N. Y., assignor to Newell Manufacturing Company, Ogdensburg, N. Y., a Corporation of Maine. Filed June 21, 1922. Serial No. 569,901. 13 Claims. (Cl. 153—46.)

1. In a pipe bending machine, a stationary die, a locking die movable towards and away from the stationary die, a shaft for supporting the locking die, a bending die rotatable on an axis that is eccentric to the axis of the locking-die shaft, gears for intermittently rotating said shaft for first locking and then releasing a pipe, and a train of gears for rotating said bending die while the locking die is held stationary.

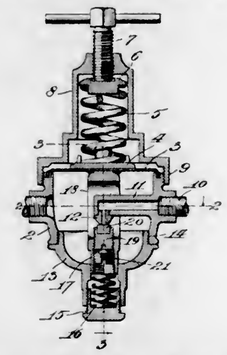


1,462,936. MEANS FOR UTILIZING POWER OF AUTOMOBILES. LORAN J. GOULD, Acme, Wash. Filed Dec. 6, 1922. Serial No. 605,281. 5 Claims. (Cl. 74—106.)



1. In an apparatus for the purpose set forth, the combination of parallel spaced runways, means carried by the rear ends of the runways for transmitting motion, a tongue pivotally mounted between the runways and adapted to be secured fixedly thereto or to depend therefrom whereby to support the runways in an elevated position, and a chock block engageable between the tongue and the runways whereby to lock the runways in the elevated position.

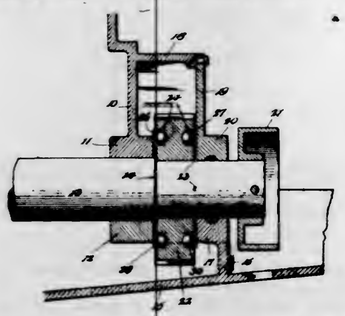
1,462,937. PRESSURE-REGULATING VALVE. BIRCHARD E. HOLTON, Los Angeles, Calif. Filed Apr. 15, 1922. Serial No. 552,952. 1 Claim. (Cl. 50—23.)



An automatic pressure regulating device including a shell, a spring pressed diaphragm therein, a frame secured to the diaphragm, said shell having an end portion forming an elongated bearing part, said frame having a hol-

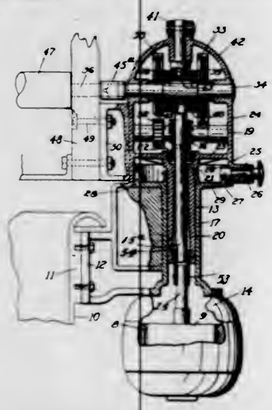
low stem operatively fitting said bearing and being prevented thereby from having side play; a bushing plug adjustably mounted in the said bearing part, a spring engaging the near end of said stem and the bushing, a valve plug adjustably threaded in said stem, and a lock plug in the stem, and a port member engaged by the valve plug.

1,462,938. COMBINED GEAR AND THRUST BEARING. FLOYD E. KNAPP, Allerton, Iowa. Filed Mar. 26, 1921. Serial No. 455,792. 2 Claims. (Cl. 64—49.)



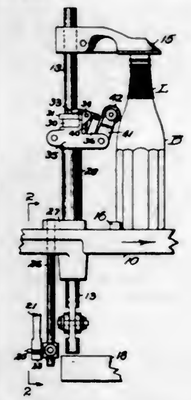
2. The combination with an engine crank shaft and spaced elements surrounding the shaft and having confronting parallel faces at a right angle to the axis of the shaft, one of said elements constituting a bearing and the other a gland for said shaft, of a timing gear mounted upon the shaft between said elements, anti-friction devices at opposite sides of the gear, and thrust rings bearing between said anti-friction devices and said elements centering the gear between the elements and having flat faces resting against said first mentioned faces directly sustaining end thrust upon the shaft in opposite directions.

1,462,939. WRINGER AND MOTOR SUPPORT FOR WASHING MACHINES. NATHANIEL LOMBARD, Worcester, Mass., assignor to The Lombard-White Company, Worcester, Mass., a Corporation of Massachusetts. Filed Dec. 27, 1920. Serial No. 433,314. 2 Claims. (Cl. 74—101.)



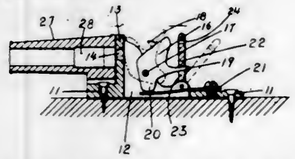
1. In a device of the character described, the combination of a bracket adapted to be applied to a washing machine or the like, having a vertical bearing, a casing located above the bearing and having a downwardly projecting sleeve of circular cross-section with a long bearing surface, a vertical shaft extending up through the center of said sleeve and into the casing, said shaft being in two parts separable by raising the upper one, the lower part of said shaft having a motor armature mounted on and fixed to it, said bracket having the motor magnets fixed in position thereon and depending therefrom, and means in the casing operated by said shaft for transmitting power.

1,462,940. WIPING-DOWN DEVICE. CHARLES H. OSLUND, Worcester, Mass., assignor to The O & J Machine Company, Worcester, Mass., a Corporation of Massachusetts. Filed July 7, 1920. Serial No. 394,467. 8 Claims. (Cl. 216—13.)



2. In a labeling machine, the combination with means for wiping a label on an article, and lapping one end over the other, of a label pressing device, and means for moving said pressing device up and down along the over-lapping end from one edge of the label to the other.

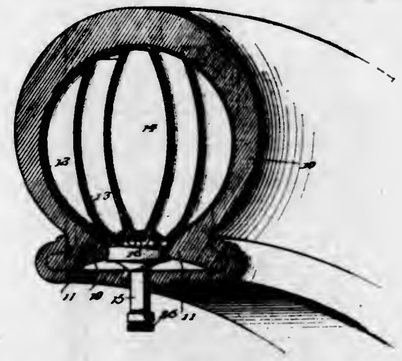
1,462,941. BURGLAR ALARM. ALPHONSE PELLETIER, Norwalk, Calif. Filed Oct. 6, 1921. Serial No. 505,704. 7 Claims. (Cl. 116—81.)



5. In a burglar alarm, a base plate, a plate projecting upwardly from said base plate, there being an opening formed in said upwardly projecting plate, a barrel pivotally connected to the base plate, and adapted to swing in a horizontal plane, the rear portion of said barrel being provided with a cartridge receiving chamber, the rear end of which communicates with the opening in the vertically disposed plate, a spring actuated hammer pivotally mounted on the base plate to the rear of the vertically disposed plate, which hammer is provided with a portion that is adapted to pass through the opening in said vertically disposed plate, a hammer retaining member pivotally mounted on the base plate for engaging and retaining said hammer in set position, and a flexible member connected to said hammer retaining member for moving the latter to releasing position.

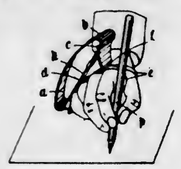
1,462,942. PNEUMATIC TIRE. JOSEPH A. ROGERS, New York, N. Y. Filed Oct. 11, 1920, Serial No. 416,161. Renewed Feb. 12, 1923. 2 Claims. (Cl. 152—22.)

2. An inner tube including an endless tubular casing of elastic material, a plurality of circumferential partitions located therein defining a plurality of compartments, an inflating device including a cylindrical casing, a disc formed at one end of said casing having an annular groove to be received between the clincher beads of a tire casing,



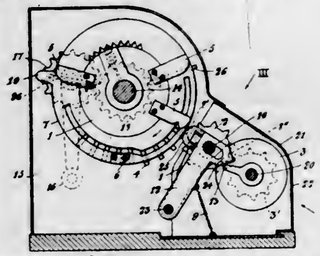
said inflating device having a plurality of longitudinal channels therein, a tube formed integrally with the disc and communicating with each channel, and a spring press valve in each channel controlling the passage thereof.

1,462,943. BLOTTING APPLIANCE. HENRY ROTTENBURG, Cambridge, England. Filed Apr. 14, 1922. Serial No. 552,567. 3 Claims. (Cl. 120—25.)



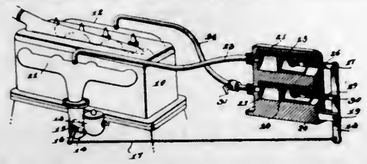
3. A blotting appliance comprising a support for blotting material, said support having a concavely shaped inner surface, and means for securing said appliance with its concavely shaped inner surface bearing upon the back of a person's hand, said means comprising a band adapted to pass around the hand of the wearer, one part of said band being fixed to said appliance, a slider and means for supporting the same upon said appliance, means of connection between said slider and another part of said band, and means for adjustably positioning said slider whereby the band may be released or tightened as occasion may require.

1,462,944. CALCULATING MACHINE. KARL VIKTOR RUDIN, Stockholm, Sweden. Filed Mar. 26, 1918. Serial No. 224,822. 6 Claims. (Cl. 235—73.)



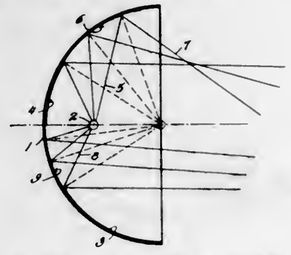
1. In a calculating machine, the combination with a setting mechanism including setting discs having shoulders, intermediate gear wheels and a registering mechanism, of locking members arranged to be actuated by said shoulders mounted on the setting discs and at predetermined times to lock the registering mechanism, said locking members being arranged by the side of the intermediate gear wheels in such a manner that the locking members and the intermediate gear wheels have an approximate common point of contact with the registering mechanism.

1,462,945. AUTOMATIC CARBURETOR CONTROL. WALTER J. SPIRO, White Plains, N. Y. Filed Sept. 22, 1922. Serial No. 589,868. 10 Claims. (Cl. 123—107.)



1. In a carburetor control, an engine provided with intake and exhaust manifolds, a fuel feed controlling device communicating with the intake manifold, and suction and pressure operated mechanism communicating with the intake and exhaust manifolds and connected to actuate said device.

1,462,946. ANTIGLARE DEVICE. CLARENCE STEPHENS, Clay City, Ind. Filed Dec. 28, 1921. Serial No. 525,429. 3 Claims. (Cl. 240—41.)



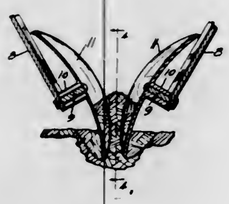
1. A lamp reflector comprising a concave inner face having an inner circular zone and an annular outer zone, the inner circular zone having a non-reflecting surface formed in the upper half thereof, and the outer annular zone having a non-reflecting surface formed in the lower half thereof.

1,462,947. FLOWER HOLDER. WILLIAM R. STUCK, Los Angeles, Calif., assignor, by mesne assignments, to The Dasey Manufacturing Company, Los Angeles, Calif., a Corporation of California. Filed Jan. 21, 1922. Serial No. 530,804. 4 Claims. (Cl. 47—18.)



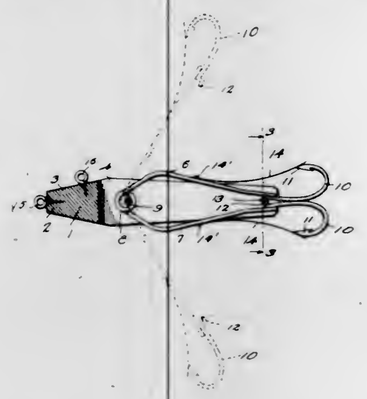
1. The combination with a container provided with internally arranged ledges, one of which occupies a plane a short distance above the bottom of the container, of reticulated members positioned upon said ledges.

1,462,948. BEET PULLER. OSCAR A. THOMAS, Oxnard, Calif. Filed Feb. 3, 1921. Serial No. 442,209. 1 Claim. (Cl. 55—106.)



A device for pulling beets and the like comprising dished rotating discs having their convex surfaces facing toward one another and converging rearwardly, said convex surfaces also converging downwardly at their upper portions and then diverging at the lower portions of the peripheries of said discs.

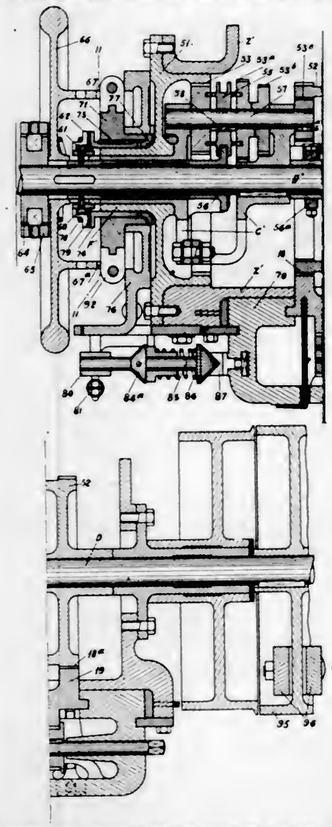
1,462,949. ARTIFICIAL BAIT. HAROLD H. WALLS, Jackson, Mich. Filed Dec. 23, 1919. Serial No. 346,868. 2 Claims. (Cl. 43—35.)



2. A fish decoy comprising a decoy body having a single catch bar, a spring member having limited sliding movement longitudinally of the said body and flexed to provide oppositely disposed hook bearing arms, and a hook member attached to each arm adjacent its inner end, said hook member having its inner end offset to provide a catch member for engaging over the said catch bar, when the said longitudinal adjustable member is moved inwardly of the bar, said arms being tensioned to disengage the bar and spring laterally from the body when the spring member is moved outwardly therefrom.

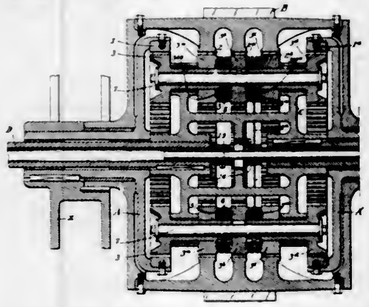
1,462,950. PLANETARY GEARING. EMILE JOHN WELFFENS, Withington, Manchester, England. Filed July 3, 1922. Serial No. 572,705. 12 Claims. (Cl. 74—34.)

1. Planetary gearing, comprising a drive shaft, a stationary orbit wheel arranged on the drive shaft, a rotary member mounted on and actuated by the drive shaft, a rotary driven element loose on the drive shaft, a set of planetary pinions carried by the rotary member, certain of the pinions meshing with the orbit wheel and the driven element, a second set of planetary pinions meshing with pinions of the first set, and planetary clutch



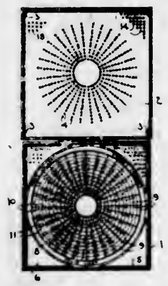
mechanism for controlling the pinions to vary the speed and change the direction of rotation of the driven element.

1,462,951. PLANETARY GEARING. EMILE JOHN WELFFENS, Manchester, England. Original application filed July 3, 1922, Serial No. 572,705. Divided and this application filed Mar. 27, 1923. Serial No. 628,124. 9 Claims. (Cl. 74—34.)



1. Planetary gearing comprising a stationary wheel, a drive shaft, a rotary element mounted on the drive shaft, a planetary pinion meshing with the stationary wheel and having a spindle mounted on the rotary element, spaced planetary pinions carried by the spindle, a wheel housing the said parts and having gear elements meshing with the pinions of the spindle, and planetary clutch mechanism for connecting the pinions of the spindle with the first mentioned pinion.

1,462,952. LAUNDRY RECORDER. HERBERT T. WHALER and WILLIAM A. BRYANT, Miami, Fla. Filed Aug. 18, 1922. Serial No. 582,687. 5 Claims. (Cl. 234—1.)



1. In a recorder of the class described, a plurality of duplicate slips having spaces printed with indicia representing articles and numerals to designate the number of the article, and a holder for the duplicate slips provided with perforations adapted to aline with the numerals on the slips, whereby the slips may be similarly punched or mutilated when a hard pointed instrument is forced through the slips and into a perforation in the holder opposite a certain numeral.

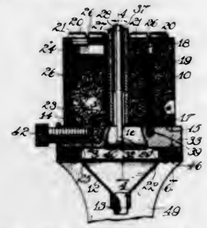
1,462,953. COMBINED SIGNAL AND LICENSE DISPLAY DEVICE. FLOYD BISCH, Philadelphia, Pa. Filed Jan. 26, 1922. Serial No. 531,832. 6 Claims. (Cl. 40—132.)



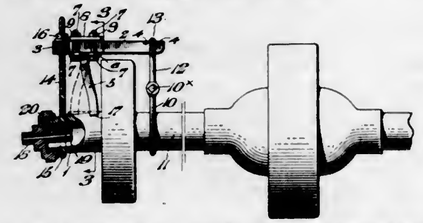
3. A device of the character described including a box portion having a viewing aperture; integral extensions on the top and bottom of said box portion provided with lenses and a lamp in rear of each lens; and a partition detachably secured between one of said extensions and said box portion, said partition being arranged in position to be reached through said viewing aperture.

1,462,954. ALLOY AND MERCURY DISPENSER. IRA A. BURNETT, Chicago, Ill. Filed Dec. 23, 1921. Serial No. 524,440. 2 Claims. (Cl. 221—96.)

1. In a device of the class described, the combination with a body having a plurality of longitudinally disposed compartments therein and a guideway between a pair of said compartments, said body also having a transversely disposed opening near one of its ends, the said opening having communication with the said compartments and provided with outlet openings, a valve rotatably mounted in said transverse opening and having a plurality of chambers adapted for alternate communication with said compartments and said outlet openings, radially disposed spaced teeth on the valve in register with said guideway, a spring actuated rack bar mounted in said guideway in engagement with the teeth of the valve and having an extension projecting through the guideway.

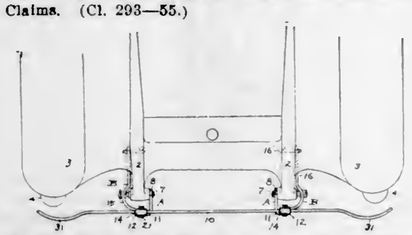


1,462,955. DEVICE FOR STRAIGHTENING BENT OR IRREGULAR AXLE HOUSINGS. DAVID CAMP, Cumberland County, N. J. Filed Mar. 6, 1922. Serial No. 541,294. 3 Claims. (Cl. 153—38.)



1. In a straightening device of the character stated, a beam having on opposite end portions respectively an anchor and a straightening member, and an intermediate strut, one end of the latter being adapted to be seated on the article to be straightened, and the other end thereof being provided with a T-head adapted to be seated on said beam, said head having lateral extensions projected beyond the opposite sides of said beam, a plate adapted to be placed on said beam opposite to said head, said plate having lateral extensions projected beyond the opposite sides of said beam, and tightening bolts adapted to be passed through the extensions of said plate and head exterior of said beam.

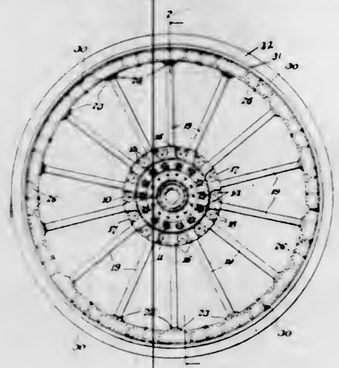
1,462,956. AUTOMOBILE SHIELD. WILLIAM G. COX, Cleveland, Ohio, assignor to Cox Brass Manufacturing Company, Albany, N. Y., a Corporation of New York. Filed Jan. 2, 1923. Serial No. 610,155. 14 Claims. (Cl. 293—55.)



14. A bumper-clamp for an automobile comprising a pair of separable members, one having a transverse clamping face for the front side and the other a correspond-

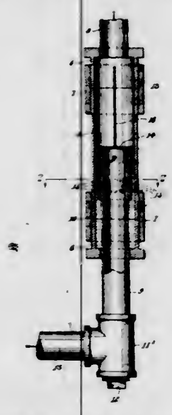
ing clamping face for the rear side of a plural number of transverse bumper bars and each member having a longitudinal clamping face for engaging the automobile frame.

1,462,957. METAL WHEEL. LEWIS FINE, Philadelphia, Pa., assignor, by mesne assignments, to Budd Wheel Company, Philadelphia, Pa., a Corporation of Pennsylvania. Filed Aug. 30, 1919. Serial No. 320,865. 9 Claims. (Cl. 301—66.)



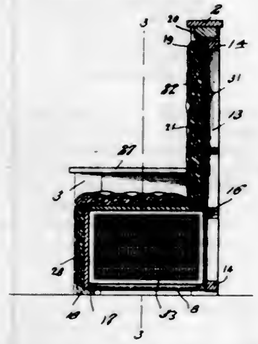
9. In a wheel the combination with a hub, a plurality of spokes radiating therefrom, and a metal channel mounted on the ends of said spokes and constituting a felloe, the edges of the side walls of said channel being turned laterally towards each other, of a plurality of T-bars seated on the base of said channel with their webs extending radially, said webs being notched at their ends to receive the inturned edges of said channel wall, and a felloe-band seated on the webs of said T bars and said inturned edges.

1,462,958. GAS-PRESSURE REGULATOR. ROBERT GILMOUR and ERNEST R. COOK, Pawtucket, R. I. Filed Mar. 30, 1922. Serial No. 548,252. 3 Claims. (Cl. 50—28.)



1. A gas regulator of the type described comprising an elongated hollow casing having an axial relatively smaller outlet pipe at one end and a similar inlet pipe at the other end, said inlet pipe projecting into the casing axially of the latter for a distance, an inverted cup shaped member loosely fitted in the casing with its side walls in spaced relation to and surrounding the inwardly projecting end of the inlet pipe and including an upper wall member normally adapted to rest upon the upper end of the inlet pipe within the casing, said side walls of the inverted cup shaped member being provided with a series of horizontal rows of perforations and the upper wall of the same being imperforate and said casing having a body of liquid therein of a depth to extend above the highest row of perforations in the inverted cup member when the latter is normally positioned, said casing comprising a pipe section externally threaded at each end, bushings of similar diameter each having an end edge abutting an end edge of the pipe section and being externally threaded, and internally threaded coupling sleeves connecting the bushing to the pipe section with the joints between the bushings and the pipe sections air tight, said inlet and outlet pipes being threaded centrally through the bushings.

1,462,959. CONVERTIBLE CHAIR. BOYD W. GOEBEL, Jonesville, S. C. Filed Sept. 13, 1922. Serial No. 588,027. 2 Claims. (Cl. 155—45.)

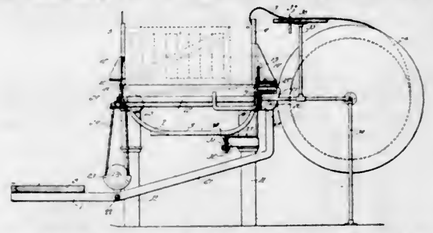


1. A convertible chair comprising a main frame formed of vertical rear posts and vertical front posts of less height than said rear posts, arm rests between said rear and front posts respectively, side panels between said rear and front posts and below said arm rests, a movable receptacle within the space between said panels and designed to form a receptacle for bed clothing, a frame connected to the rear of said receptacle and comprising vertical side bars lying parallel with said rear posts respectively, cross bars connected with said vertical bars, trunnions projecting outwardly from said vertical side bars, guideways carried by the inner sides of said panels and receiving said trunnions whereby said frames and receptacle may be swung to provide a reclining chair and also swung to horizontal position and moved forwardly to provide a bed, such receptacle having a foraminous bottom wall and foraminous side walls and also a foraminous screen carried by each said foraminous side wall respectively and cooperating therewith and with the bottom wall to provide a screened hood for said bed.

1,462,960. MACHINE FOR APPLYING BOX STRAPS. ARTHUR G. G. GUENTHER, Chicago, Ill., assignor to Signode System Inc., Chicago, Ill., a Corporation of Delaware. Filed Apr. 5, 1920. Serial No. 371,264. 20 Claims. (Cl. 100—15.)

20. A strapping appliance for facilitating the application of tensional banding material to boxes and packages, comprising a roller trackway along which boxes or packages may be trundled, a channel guide for banding material arranged to pass under a box or package on said trackway and to direct banding material, fed endwise into said guide, around the box or package, said guide having two sides normally spaced apart sufficiently

to permit the box or package to pass between them and having a telescoping bottom section, whereby the said sides may move toward and away from each other, without interfering with the continuity of the path for band-



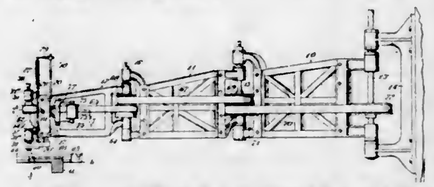
ing material established by the guide, a treadle and connections for causing the two sides of said guide to move together to contact with and exert pressure on two sides of the box or package, and resilient means causing said two sides to recover their normal position.

1,462,961. VALVELESS AIR HAMMER. JOSEPH E. HAGSTROM, Chicago, Ill. Filed Feb. 2, 1920. Serial No. 355,807. 24 Claims. (Cl. 121—17.)



1. In an air hammer, the combination of a barrel providing a tool mounting in its forward end, a rod fixed axially in the barrel and having thereon an enlargement with a forwardly coned face, the rod having an air passage therethrough with ports opening to its face, a cup-like piston guided within the barrel in advance of the enlargement, a spring forcing the piston rearwardly and means to control the air supply to the ports.

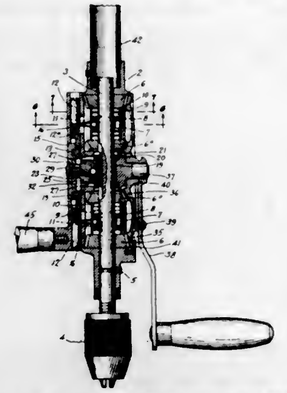
1,462,962. ROUTING MACHINE. THEODORE C. HANSEN, Chicago, Ill. Filed Apr. 10, 1922. Serial No. 551,303. 17 Claims. (Cl. 90—15.)



1. In a routing machine, the combination of a laterally-swinging pivoted arm, a vertical head at the forward end thereof, a vertically-movable head connected with said first-named head, cooperating guiding devices carried by said heads, respectively, a cutter carrying spindle attached to said movable head, means for normally holding said movable head in raised position relatively to said first-named head and means supported by said arm for rotating said spindle.

1,462,963. TOOL. OSCAR D. HAPGOOD, Montague, Mass., assignor to Goodell-Pratt Company, Greenfield, Mass. Filed Sept. 15, 1922. Serial No. 588,304. 13 Claims. (Cl. 74—59.)

1. A tool, comprising, in combination, a frame, a spindle mounted for rotation in said frame, an operating handle mounted for rotation on the frame, gearing between said spindle and handle and adapted to be actuated by the handle for rotating the spindle at different speeds, and means adjustable in one operation for changing the



relative motion of the gearing and spindle thereby to impart to the spindle alternately a fast motion and a slow motion when the handle is rotated forward and backward respectively.

1,462,964. SEPARABLE FASTENER. ABRAHAM L. HESS, Hesston, Kans. Filed Jan. 8, 1923. Serial No. 611,287. 1 Claim. (Cl. 24—88.)



A garment hook adapted for the use with an eye, said hook formed from a single length of wire and having the usual body portion and bill, one of the free ends of said wire bent to form a coil with a transverse pin extending therefrom, the other end of said wire bent to provide a hook to receive the free end of the pin and then bent back to extend between and parallel to the members of the body portion and forming a central member, a hump formed in the free end of the central member at the entrance to the loop of the bill and extending in close proximity to the bill, the free end of the central member terminating at the outer ends of the members of the body portion.

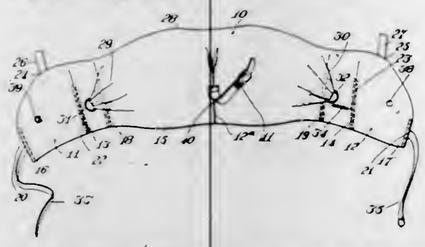
1,462,965. BALL BEARING. BENJAMIN W. HURD, San Francisco, Calif., assignor to Turbine Fuel Oil Burner Co., San Francisco, Calif., a Corporation of Nevada. Filed July 20, 1921. Serial No. 486,203. 3 Claims. (Cl. 64—58.)



2. The combination, in a ball bearing, of two duplicate discs of different diameters mounted on the inner race of an open side ball bearing, the opening between the outer diameters of the disc being less than the diameter of the balls in the bearing, and the opening between the

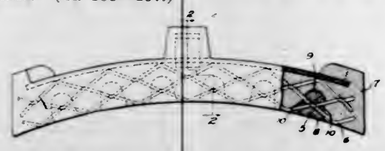
discs at their smallest diameter being greater than the balls, to allow free movement of the balls when they are in running position, in connection with an outer ball race and balls.

1,462,966. BRASSIÈRE. INEZ SCOTT JEROME, Chicago, Ill. Filed Apr. 21, 1921. Serial No. 463,247. 5 Claims. (Cl. 2—73.)



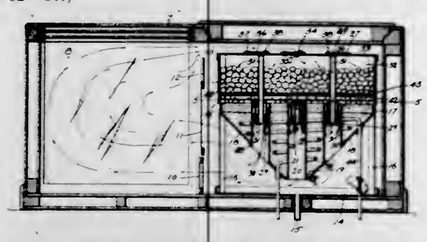
5. A brassière comprising in combination a front piece of woven fabric having interral rearwardly extending extensions, strings connected to the ends of said extensions, and means connecting said strings to the sides of the front piece located substantially under the arm pits of the wearer, said connections comprising loops through which the strings pass freely, the ends of the strings extending rearwardly and being secured together intermediate said loops.

1,462,967. BRAKE SHOE. HARRY JONES, Suffern, N. Y., assignor to The American Brake Shoe & Foundry Company, Wilmington, Del., a Corporation of Delaware. Filed May 6, 1920. Serial No. 379,199. 3 Claims. (Cl. 188—257.)



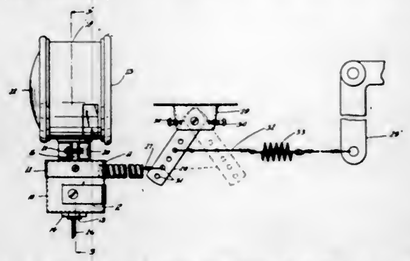
3. A brake shoe comprising a body having a plurality of elongated insert blocks or sections embedded transversely in the body and spaced apart longitudinally of the body, said inserts being substatially dome-shaped in cross section, and a plurality of reticulated metal strips embedded in said blocks or sections and in said body on edge to the wearing face of the shoe for holding the blocks or sections in the body.

1,462,968. REFRIGERATOR. CHARLES A. KETTERER, East St. Louis, Ill. Filed Aug. 9, 1920, Serial No. 402,175. Renewed Feb. 1, 1923. 2 Claims. (Cl. 62—37.)



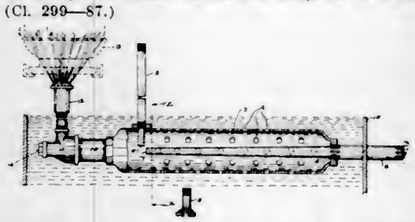
1. A refrigerator comprising a storage chamber, a refrigerator chamber communicating therewith, a drip pan located in said refrigerating chamber, a liquid container supported in said refrigerating chamber above said drip pan, an ice container supported above said liquid container and spaced apart therefrom, a perforated lid for said ice container, dampers having graduated openings pivotally secured to said lid for regulating the size of perforation, and plugs for closing predetermined portions of the space between the liquid container and ice chamber.

1,462,969. COMBINATION TAIL LIGHT AND SIGNALING DEVICE. DANIEL A. KRICK, Chicago, Ill. Filed Dec. 7, 1922. Serial No. 605,442. 12 Claims. (Cl. 116—47.)



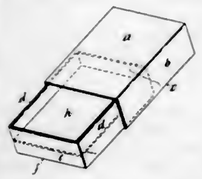
1. A device of the class described including a casing, a member within the casing and fixed thereto, a movable support within the casing and having a portion extending exterior thereof, a member surrounding the first named member and having one end attached thereto and having the opposite end attached to the support adapted to influence the movement of the support in one direction, means for moving the support in the opposite direction, and a signal head carried by the support and fixed to the exterior portion thereof.

1,462,970. SPRAYER. HARRY D. LATHROP, Chicago, Ill. Filed Sept. 23, 1920. Serial No. 412,316. 4 Claims. (Cl. 299—87.)



1. The method of producing a spray of hot water which consists in delivering intersecting jets of steam and cold water into a body of water and delivering the commingled water and condensed steam under the action of the steam, through a spray nozzle, substantially as described.

1,462,971. CONTAINER FOR MATCHES. SIDNEY ALFRED LEANE, Farrell's Flat, South Australia, Australia. Filed May 16, 1921. Serial No. 470,130. 3 Claims. (Cl. 206—33.)



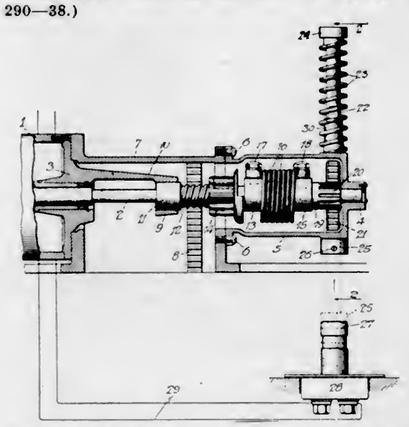
2. In an improved container for matches wherein an opening is formed in the fixed floor of the match drawer for the admission of a partially consumed match a movable or false bottom for the drawer of slightly less width and length than the interior of the drawer for the purpose of supporting unconsumed matches and separating them from consumed matches which are inserted through openings in the floor of the drawer substantially as described and as indicated in the drawings.

1,462,972. CARTRIDGE MAGAZINE. ISAAC N. LEWIS, Montclair, N. J. Filed Jan. 24, 1919. Serial No. 272,950. 9 Claims. (Cl. 42—50.)



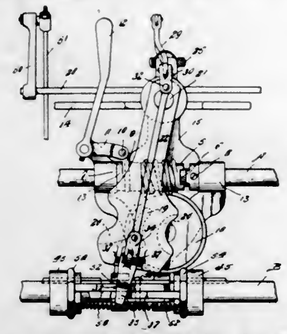
1. A cartridge magazine, comprising a casing having a width sufficient to hold two parallel rows of cartridges in staggered relation with the cartridges of each row in contact with each other and with the cartridges of the other row, and at its upper end symmetrically decreased in width to form opposite guiding surfaces terminating in extremities shaped to partially surround and contact with opposite side portions of a cartridge to exactly position and rigidly hold said cartridge centrally of the casing, and cartridge elevating and supporting means within said casing, the guiding surfaces alternately acting, at successive elevations of said cartridges, to move the uppermost cartridge inwardly upon the uppermost cartridge of the other row, and the latter under the action of said elevating means directly pressing said uppermost cartridge into place between the extremities of the casing.

1,462,973. ENGINE STARTER. WILLIAM L. MCGRATH, Elmira, N. Y., assignor to Eclipse Machine Company, Elmira, N. Y., a Corporation of New York. Filed Oct. 1, 1919. Serial No. 327,754. 20 Claims. (Cl. 290—38.)



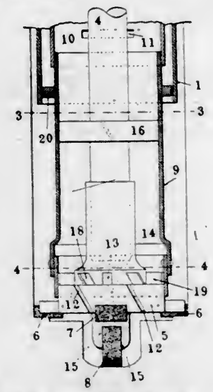
1. In an engine starter the combination of an electric motor and its electrical connections including a switch, a rotatable shaft driven by the motor, a driving member adapted to engage a member of the engine to be started and mounted on the shaft for automatic longitudinal movement thereof when rotated to thereupon engage such engine member and for rotary movement therewith when in engagement with the engine member, and manually operated means for initially rotating the shaft to cause said driving member to so move longitudinally and thereby cause engagement of said members and for subsequently closing said switch to start the motor.

1,462,974. AUTOMATIC CLUTCH-SHIFTING MECHANISM FOR WASHING MACHINES. PETER MAKOWSKI, Chicago, Ill. Filed Mar. 3, 1923. Serial No. 622,482. 6 Claims. (Cl. 74—50.)



1. In a clutch reversing mechanism for washing machines, wherein the said washing machine includes a drive shaft and a reversing shaft together with a pair of clutch elements upon said reversing shaft, and wherein the washing machine further includes a pair of throw collars upon the reversing shaft for the said pair of clutch elements, a swinging member actuated by said drive shaft and being disposed between said throw collars, and means for withdrawing said swinging member from between the said throw collars.

1,462,975. WELL-DRILLING APPARATUS. SAMUEL J. MATHEWS, Sapulpa, Okla., assignor to B-B Manufacturing and Drilling Company, a Corporation of Delaware. Filed Apr. 9, 1920. Serial No. 372,397. 5 Claims. (Cl. 255—4.)

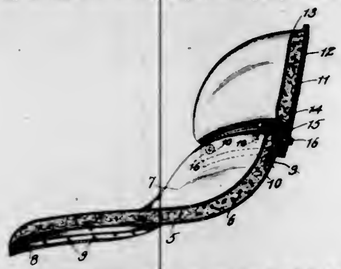


1. In apparatus of the class described, the combination of a well casing, a cutting tool, means forming a water container communicating with the interior of the well casing and discharging adjacent the cutting tool, and means preventing reentrance of discharged water into the well casing.

1,462,976. SADDLE. FREDERICK MESINGER, New York, N. Y. Filed Sept. 7, 1922. Serial No. 586,577. 3 Claims. (Cl. 208—15.)

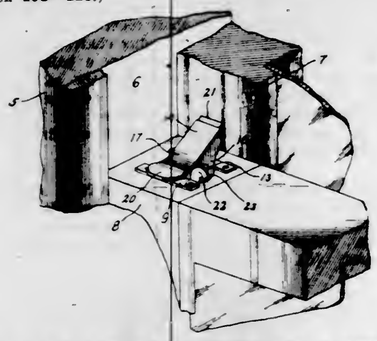
1. In combination with a vehicle saddle seat having a body plate upholstered on one side and upwardly curved at its rear end, a back rest for said seat also having a

body plate upholstered on one side and the upholstery thereof along one of its marginal edges corresponding in contour to the upper rear edge of the body plate of said seat, and means for detachably and rigidly securing said



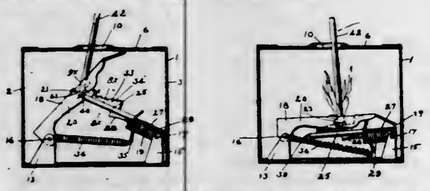
back rest to the body plate of the seat with said marginal edge of the upholstery thereof in close proximity to the rear upper end of the upholstery of the saddle seat, whereby the back-rest when applied, constitutes in effect a continuous part of the seat structure.

1,462,977. SASH LOCK. CLYDE S. MORSE, De Kalb, Ill. Filed Mar. 9, 1922. Serial No. 542,237. 1 Claim. (Cl. 292—228.)



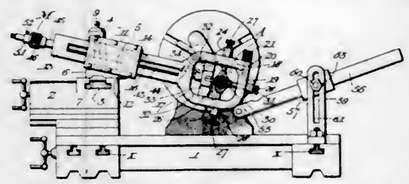
In a sash lock, the combination with a base-plate having means to secure it to a sash and provided with a pair of spaced and apertured uprights, of a locking member having a socket at one of its ends and an upturned portion at its other end, said member being provided with depending and apertured side flanges co-acting with said uprights to support said member, a pivot pin located in the openings of said flanges and uprights, a resilient plug located in said socket and extended outwardly therefrom, a catch member rotatably mounted on the base-plate near the up-turned portion of the locking member, and a spring surrounding said pivot pin and resting at one end against the base-plate and at its other end against the lower surface of the locking member near its end opposite its socket.

1,462,978. MATCH-IGNITING DEVICE. WILLIAM J. MOSHIER, Rochester, N. Y. Filed Apr. 1, 1922. Serial No. 548,869. 8 Claims. (Cl. 44—48.)



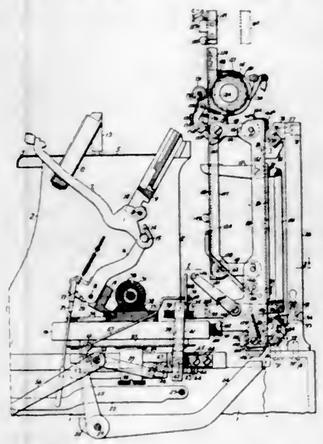
1. In a match scratching device, a movable friction device for engaging the head of a match to scratch it, means for setting said friction device in an initial position by the insertion of the match, said device moving to scratch the match on the withdrawal of the match.

1,462,979. COMBINED CRANK-SHAFT-TURNING TOOL AND AUTOMATICALLY RECIPROCATING MECHANISM FOR SUPPORTING AND OPERATING THE SAME. FRANK H. PETERSEN and ALFRED S. WESTON, Denver, Colo. Filed Sept. 2, 1921. Serial No. 498,001. 6 Claims. (Cl. 82—9.)



1. In a device of the character described an adjustable support, a swivel block mounted thereon, a slide bar mounted in said block having an open head on its forward end adapted to surround a pin of a crank shaft, V-clamp in said head for engaging said pin to maintain a fixed relation between the axis of said pin and the axis of said bar, a swiveled support, a bar mounted therein and pivotally connected at one end to the said open head to prevent lateral variations of the same; a chuck slidably mounted in said open head; a rod extending through the first mentioned slide bar and connected to said chuck; threaded means for moving said rod back and forth, and a cutter in said chuck adapted to engage said pin.

1,462,980. TYPEWRITING MACHINE. MORRIS W. POOL, Brooklyn, N. Y., assignor to Remington Typewriter Company, Ilion, N. Y., a Corporation of New York. Filed May 19, 1921. Serial No. 470,818. 31 Claims. (Cl. 197—60.)



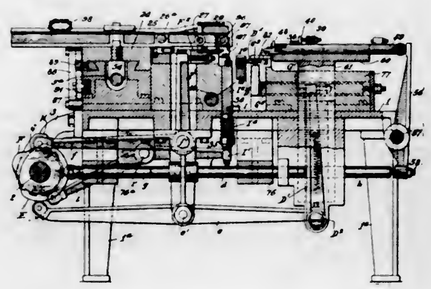
1. In a typewriting machine, the combination with a front strike printing mechanism, of means for holding the paper opposite the printing point and for providing a backing for the paper when the printing mechanism is operated, said means and said printing mechanism having an unvarying normal relationship in a fore and aft direction but being relatively separable, the elements composing said holding and backing means remaining unaffected when such separation takes place.

1,462,981. BELT BUCKLE. SAMUEL M. RIKER, Chester, N. J. Filed Aug. 15, 1922. Serial No. 581,997. 5 Claims. (Cl. 24—194.)



1. A belt buckle comprising a face plate transversely slotted adjacent to its respective ends for threading the free end of a belt adjustably therethrough, a pair of laterally spaced guide-lugs inwardly projecting from said face plate intermediate said slots, said guide lugs terminating in keeper lugs spaced in parallel plane from said face plate, a clamp plate having its rearward end doubled back upon itself to provide a forwardly projecting gripping tongue spaced in parallel plane from the main portion of said clamp plate, said gripping tongue having an opening to receive said guide lugs of said face plate, means associated with said opening to engage said guide lugs and keeper lugs to hold said clamp plate operatively attached to face plate, and means for connecting the fixed end of a belt with the forward end of said clamp plate.

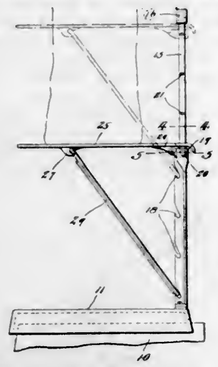
1,462,982. MACHINE FOR MAKING LINK MESH AND SIMILAR FABRIC. KARL F. A. ROLLE, Vauxhall, N. J., assignor to Carl A. Binder, Newark, N. J. Filed Aug. 13, 1921. Serial No. 492,025. 25 Claims. (Cl. 140—3.)



1. In a link-mesh machine, the combination of a mesh-fabric support, a wire feed, a cutter for the wire, means for forming links of the cut portions and connecting them to the fabric, consisting essentially of an initial bending pin, a holder for the U-shaped wire, said holder having a vertical and a longitudinal movement, a shaping mandrel on which the link is completed, and a rear forming device that cooperates with the holder.

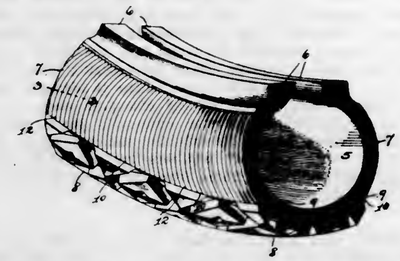
1,462,983. COMBINATION BAG RACK AND AUXILIARY PLATFORM FOR SCALES. HARRY C. SCHAFER, St. Louis, Mo., assignor to The General Automatic Scale Company, St. Louis, Mo., a Corporation of Missouri. Filed Sept. 13, 1920. Serial No. 410,047. 6 Claims. (Cl. 265—51.)

1. The combination with a scale and its platform, of a supporting frame projecting upwardly from the scale platform, a hinged auxiliary platform arranged on said supporting frame and vertically adjustable thereon, and means carried by said auxiliary platform and adapted



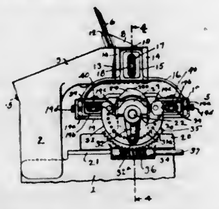
to engage said supporting frame for securing said auxiliary frame to the upright platform in its adjusted position.

1,462,984. TIRE CASING. FRANK G. SCHENUIT, Baltimore, Md. Filed Nov. 15, 1922. Serial No. 600,992. 3 Claims. (Cl. 123—13.)



1. An annular casing for vehicle tires having a thickened tread around its outer circumference and provided with side walls each of which has an annular flange or bead around its inner circumference, said casing also having a series of ribs projecting from its outer side wall surface which ribs extend in a direction from the base of the flange or bead toward but terminate at the side edge of the thickened annular tread.

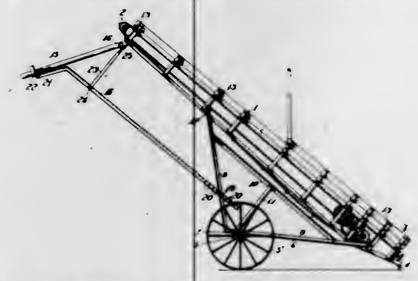
1,462,985. GEAR-GRINDING APPARATUS. CHARLES H. SCHURR, Cleveland, Ohio, assignor to The Lees-Bradner Company, Cleveland, Ohio, a Corporation of Ohio. Filed Mar. 23, 1922. Serial No. 546,076. 22 Claims. (Cl. 51—95.)



1. In apparatus of the class described, the combination of a pair of elements one of which slides relative to the other, a tool rotatably carried by the fixed element, a spindle carried by the slide element and supporting a

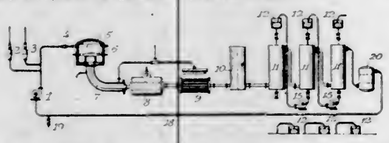
work piece for operative engagement by said tool, and means for oscillating said spindle and moving said slide, whereby rolling movement is imparted to said work piece, said means including a pair of abutments fixed in spaced relationship carried by one of said elements and a cam-device having cam-surfaces co-acting with said abutments carried by the other element.

1,462,986. CONVEYER CARRIAGE. ARTHUR L. SHAW, Chicago, Ill., assignor to Chicago Automatic Conveyor Co., Chicago, Ill., a Corporation of Illinois. Filed Nov. 4, 1918. Serial No. 260,963. 5 Claims. (Cl. 198—73.)



1. An apparatus of the character described for portably supporting a conveyer including in combination with a conveyer, a wheeled frame comprising a main frame, composed of a pair of side members each bent at an intermediate point to provide an upwardly extending part and a laterally extending part, the ends of said parts arranged to receive means for securing the frame to a conveyer; a discharge chute; means to hingedly support the discharge chute on the discharge end of the conveyer; an additional frame adjustably connected to the main frame, having its extended end supporting the discharge chute and link members for pendantly supporting said additional frame from the discharge end of the conveyer.

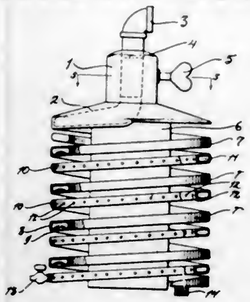
1,462,987. PROCESS FOR PRODUCING NITRIC ACID BY MEANS OF THE ELECTRIC ARC. WERNER SIEBERT, Laufenburg, Aargau, Switzerland,, assignor to Nitrum Aktiengesellschaft, Zurich, Switzerland, a Corporation of Switzerland. Filed May 13, 1922. Serial No. 560,731. 8 Claims. (Cl. 204—31.)



1. The cyclical process of producing nitric acid by means of the electric arc which consists in treating a nitrogen-oxygen mixture in an electric arc furnace, cooling abruptly the gases leaving said electric arc furnace and conserving the heat contained in said gases, absorbing the nitric oxides thus formed by nitric acid in absorption towers, leading the non-absorbed portion of the gases after a treatment adapted to keep their content of moisture below a determined limit back into the electric arc furnace, and feeding pure oxygen and nitrogen continuously in such quantities to the returned gas-mixture that the gas-mixture treated in the furnace contains 50% of oxygen and 50% of nitrogen.

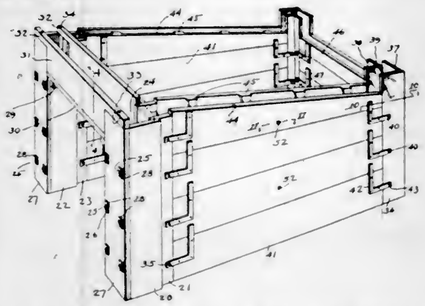
1,462,988. INSTANTANEOUS HOT-WATER HEATER. HYMAN SIROT and HARRY SIROT, New York, N. Y. Filed Oct. 25, 1920. Serial No. 419,555. 3 Claims. (Cl. 122—250.)

1. A water heater comprising a cap, means for attaching said cap to a water pipe, an arcuate flange rigid with said cap, a core rigid with and depending from said flange, a pair of hollow coils surrounding said core, one of



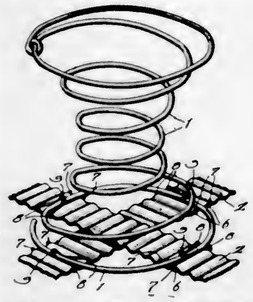
said coils being rigid with said core, its lower wall being upwardly concave, and the other of said coils provided with a plurality of spaced ignition openings.

1,462,989. KNOCKDOWN MOLD FOR CEMENT GARAGES. LOUIS LE ROY SPEUSHOUSE, Baltimore, Md. Filed Apr. 7, 1923. Serial No. 630,467. 8 Claims. (Cl. 25—131.)



1. In a form of molding concrete structures, spaced vertically extending members, horizontally extending members for forming a side of the mold and adapted to be assembled in superposed relation, vertically spaced connecting elements on the vertical members, cooperating connecting elements on the ends of the horizontal members, and brace elements carried by the horizontal members and projecting vertically therefrom to engage an adjacent horizontal member.

1,462,990. SPRING MOUNTING. MATHIAS STADTLER, Chicago, Ill. Filed Sept. 14, 1922. Serial No. 588,125. 4 Claims. (Cl. 5—264.)



1. A spring structure having a coiled spring, a supporting strip beneath it and a clip formed of resilient wire, said clip having a central bend adapted to hold the end

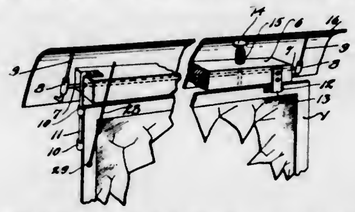
turn of the spring in contact with one surface of the strip, said clip also having integral prongs adapted to engage the opposite surface of the strip and having short upturned fingers adapted to be sprung into engagement with the edge of the strip.

1,462,991. BUILDING BRICK AND PROCESS OF MAKING SAME. ROBERT L. TAYLOR, Midway, Pa., assignor, by mesne assignments, of one-half to Charles L. McKenzie, Pittsburgh, Pa. Filed Mar. 31, 1922. Serial No. 548,520. 9 Claims. (Cl. 18—47.5.)

2. The process of making building blocks or the like consisting in first crushing ferro manganese slag to a proper consistency, mixing the mass with water to form an intimately associated plastic mixture, holding unitary portions under pressure, and then subjecting the compressed and molded units to steam and drying them, substantially as set forth.

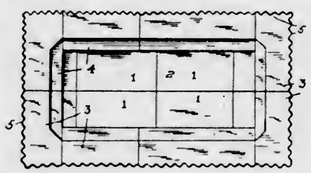
9. A building block or the like composed principally of ferro manganese slag.

1,462,992. VEHICLE SIDE-CURTAIN CONSTRUCTION. HARRIS W. TINKER, Jr., Birmingham, Ala. Filed Mar. 6, 1922. Serial No. 541,366. 11 Claims. (Cl. 296—45.)



1. The combination with a vehicle top and a body having conventional doors, of side curtains movable into and out of operative position and comprising horizontally foldable door sections provided with means for connection to a door for swinging movement therewith, and permanent supporting means for said sections adjacent the top and constructed to permit of folding of the sections beneath the top and providing a vertical axis for the sections to permit a swinging thereof with the door as the latter is opened or closed.

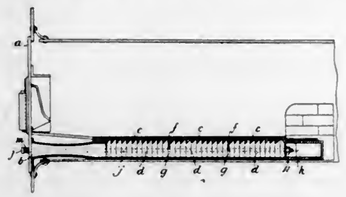
1,462,993. GLASS-MELTING TANK. HARRY G. WILLETTS, Crafton, Pa., assignor to The Willetts Company, Pittsburgh, Pa., a Corporation of Pennsylvania. Filed May 4, 1922. Serial No. 558,378. 2 Claims. (Cl. 49—53.)



1. A glass-melting tank having its lateral walls containing refractory bricks, some having one face provided with ribs, the latter being on the outer surface of said tank.

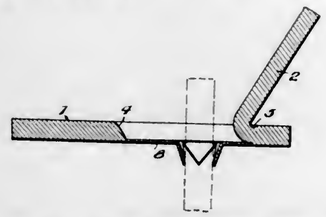
1,462,994. FURNACE GRATE. THOMAS OWSTON WILTON, London, England. Filed Feb. 2, 1922. Serial No. 533,597. 2 Claims. (Cl. 126—163.)

1. A furnace grate, comprising a plurality of bars secured together, each of said bars having a plurality of apertures adapted to register with the apertures of adjacent bars thereby to form a passage through the grate for conducting air and steam longitudinally thereof, and



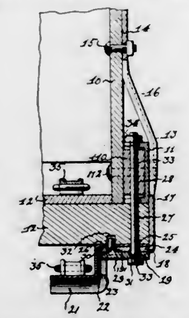
baffle plates placed at intervals between adjacent bars, said baffle plates having restricted apertures opening to the apertures of the bars.

1,462,995. CLOSURE DISK. WILBUR L. WRIGHT, Fulton, N. Y., assignor, by mesne assignments, to Oswego Falls Corporation, Fulton, N. Y., a Corporation of New York. Filed Apr. 15, 1922. Serial No. 552,990. 7 Claims. (Cl. 215—51.)



1. A one-piece pull-tab paper-material closure disk having a vertical cut extending down throughout the major portion of the thickness of the disk but stopping short of its bottom surface to form a very thin bottom wall below the cut, said paper material readily splitting in planes parallel with its upper and lower surfaces, said cut outlining a pull tab, said very thin wall forming the floor of the recess normally occupied by the pull tab and being formed for the passage of a suction tube intermediate the length and width of the floor when said tab is elevated.

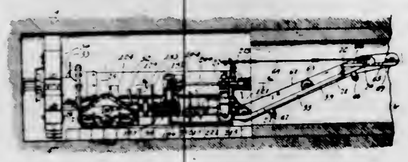
1,462,996. MANURE-SPREADER-BODY CONSTRUCTION. GEORGE NORWOOD ALLEN and EUGENE H. BENWAY, Hoosick Falls, N. Y., assignors to Walter A. Wood Mowing & Reaping Machine Company, Hoosick Falls, N. Y., a Corporation of New York. Filed Feb. 2, 1922. Serial No. 533,721. 8 Claims. (Cl. 296—28.)



1. A manure spreader comprising a body having a sill, a bottom cleat arranged below and transversely to said sill, a side-board resting on and above said cleat, a brace

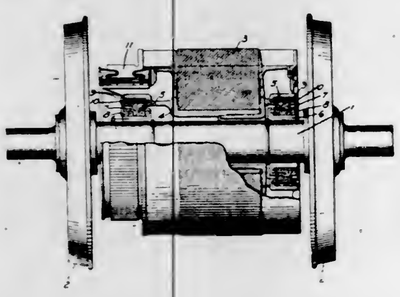
having one end connected to said side-board and its other end passing under said bottom cleat, and a tie bolt passing through said sill, bottom cleat and brace under the bottom cleat, whereby said sill, bottom cleat and brace are rigidly and immovably clamped together and said side-board is firmly secured to said sill and braced against a spreading action due to any weight of material carried within the body.

1,462,997. TUNNELING MACHINE. LOUIS W. ANDERSON, Grand Rapids, Mich., assignor to The Tunnel & Sewer Machine Engineering Company, Buffalo, N. Y., a Corporation of New York. Filed July 21, 1919. Serial No. 312,325. 20 Claims. (Cl. 262—7.)



1. A tunneling machine comprising a rotatable boring head for freeing the material, and a pick-up mechanism for picking up the freed material from the bottom of the bore, comprising a central rotatable receiving chamber to which the material is to be delivered, a chute having a quick-detachable connection with respect to said rotatable central chamber, and a pick-up bucket adjustably secured to said chute.

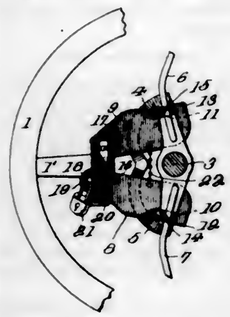
1,462,998. MOUNTING FOR ELECTRIC MOTORS. ASA F. BATCHELDER, Scotia, N. Y., assignor to General Electric Company, a Corporation of New York. Filed July 26, 1922. Serial No. 577,698. 4 Claims. (Cl. 105—5.)



1. In combination, a shaft, an electric motor for driving said shaft comprising an armature surrounding said shaft, said armature having a hub of greater internal diameter than the external diameter of said shaft, and a yielding support and driving connection between said armature and said shaft comprising members of non-metallic cushioning material surrounding said shaft, said members being fastened to said shaft and to said armature.

1,462,999. LOCKING DEVICE FOR AUTOMOBILES. WILLIAM O. BAYLESS, Knoxville, Tenn. Filed Mar. 3, 1921. Serial No. 449,313. 3 Claims. (Cl. 70—126.)

2. The combination with a steering wheel, controlling levers and quadrants of a motor vehicle, of a pair of members adapted to be interlocked with said quadrants having projections arranged in the path of travel of said levers, said members being provided with notches to receive one of the spokes of the steering wheel, a

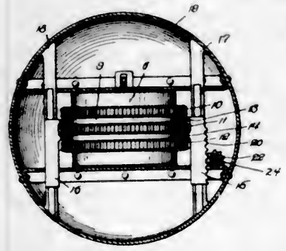


pivoted yoke carried by one of the said members adapted to embrace the other member and means for locking said pivoted yoke in position on said member.

1,463,000. PROCESS OF MAKING PAPER PULP. BURT J. BELLINGER, Dexter, N. Y. Filed July 2, 1921. Serial No. 482,180. 6 Claims. (Cl. 92—20.)

1. The process of making paper pulp comprising digesting the chipped wood and then subjecting the digested pulp directly to carding to separate the fibers.

1,463,001. SPEED-CHANGE WORM TRANSMISSION. MAURICE O. BERG, Chicago, Ill. Filed Mar. 20, 1922. Serial No. 544,980. 14 Claims. (Cl. 74—58.)

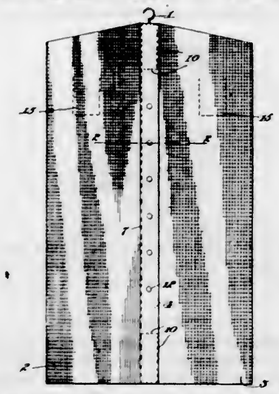


1. A variable speed transmission, comprising a driving shaft having a plurality of worms of different inclinations longitudinally spaced thereon, a driven shaft carrying an equal number of worm wheels respectively adapted to engage the said worms, means for tilting the driving shaft to bring a worm into or out of engagement with a worm wheel, means including a slidable shifting rod for sliding the worm wheels on the driven shaft, means actuated by the sliding of the shifting rod, for sliding the worms on the driving shaft to bring any one of the worms opposite the driven shaft, and means actuated by a rotational movement of the shifting rod for operating the said tilting means.

1,463,002. MOTHPROOF BAG. BARNET BERNSTEIN, Gloucester, Mass. Filed Dec. 20, 1922. Serial No. 608,004. 1 Claim. (Cl. 206—10.)

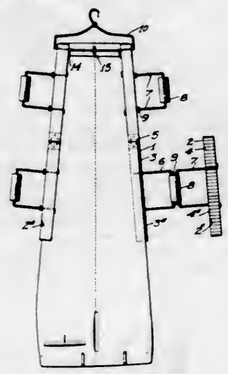
A moth-proof bag having its front composed of two members, the margin of one member having openings therethrough, and the other member having a pocket formed at its margin, said pocket comprising an inner

and an outer flap between which the margin of the first mentioned member is received, and fastening devices carried by the flaps and engaged through the openings in



said marginal portion and with the opposite flaps, whereby to secure the flaps and the marginal portion closely together.

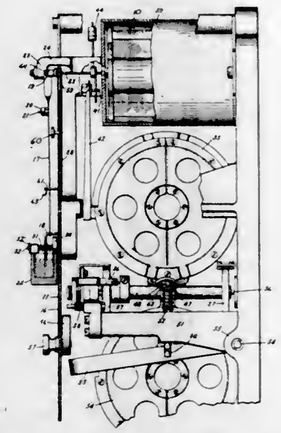
1,463,003. COMBINATION CLOTHES HANGER AND TROUSERS CREASER. EDWARD V. BOWE, San Diego, Calif. Filed Mar. 20, 1922. Serial No. 545,079. 4 Claims. (Cl. 223—19.)



1. In a device of the class described, a hanger member, creasing members shiftably mounted on the lower portion of said hanger member, other creasing members oppositely disposed to said former creasing members and movable therewith, a handle, tension members secured in each of said oppositely disposed creasing members at one end and pivotally and eccentrically mounted in said handle at the other end and means in connection with said tension members adapted to secure said creasing members in clamped position with each other.

1,463,004. ELECTRICAL RECORDING INSTRUMENT. FRANCIS H. BOWMAN, Lynn, Mass., assignor to General Electric Company, a Corporation of New York. Filed Dec. 22, 1920. Serial No. 432,426. 7 Claims. (Cl. 234—5.5.)

1. In a recording instrument, a vertically disposed disc type record chart, a capillary tube bent into a right angle, forming a stylus, a well for holding ink, one of the legs of said capillary tube being adapted to dip within the well, means for moving the capillary tube in accordance with the quantity being measured, and an adjustable hinged support for said well whereby its vertical position is rendered adjustable, and whereby it may be swung in a horizontal plane away from the record chart to facilitate the removal of the latter.

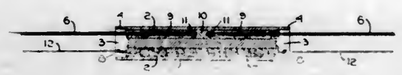


3. In an electrical recording instrument, a plurality of flat coils forming the stationary element of the instrument, a plurality of movable coils coacting therewith, a pivoted shaft serving as a common support for the movable coils, control springs each having one end fastened to a stationary part of the instrument, and the other end to the pivoted shaft, a damping device including a rotatable member, a mechanical connection between the movable coils and said rotatable member, a recording stylus carried by said rotatable member, and a chart cooperating with said stylus.

4. In an electrical recording instrument, a stationary element, a movable element, a recording stylus, a rotatable shaft supporting said stylus, a connection comprising a slot and a pin freely movable in said slot between the movable element and said shaft whereby said shaft is rotated in response to the movement of said movable element, and means for adjusting said slot and pin connection for varying the ratio of motion between said shaft and said movable element.

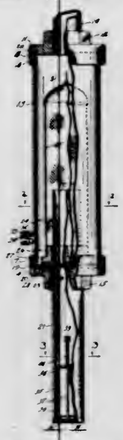
6. In an electrical recording instrument having a stationary element and a rotatable element, a manually operable cam, and means for locking the movable element comprising a rod having its axis at an angle with the axis of rotation of the rotatable element, a pair of spring pressed block cooperating with the ends of said rod to restrain its movement, and a common movable support for said blocks, said manually operable cam being adapted to move said movable support to free the rod.

1,463,005. HEATING UNIT. WILLIAM H. DALTON, Salem, Mass. Filed Nov. 1, 1921. Serial No. 512,080. 6 Claims. (Cl. 219—67.)



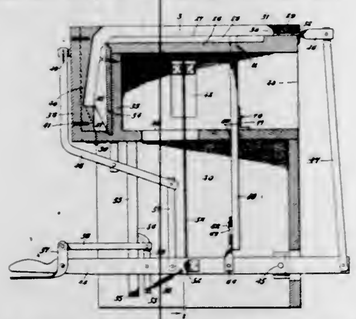
1. A heating coil comprising a shell of insulating material having a relatively small bore extending from one end to the other thereof, a heating coil within said bore, a lead wire connected to each end of the coil outside the bore, and means other than the coil for anchoring each lead wire to the shell.

1,463,006. GASOLINE FILTER. MARTIN E. E. DARDANI, Fairfield, Conn. Filed Sept. 7, 1921. Serial No. 499,031. 5 Claims. (Cl. 210—165.)



1. A filter comprising a casing, an inlet at one end thereof, an outlet pipe at the other end and extending into the casing and spaced therefrom to provide a sediment chamber, a screen surrounding said pipe and spaced from it and the casing, and an imperforate cap carried by the screen in alignment with the inlet.

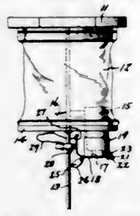
1,463,007. MOLD FOR MAKING BUILDING BLOCKS. JAMES G. DAVIS, Buffalo, N. Y. Filed Apr. 28, 1920. Serial No. 377,371. 6 Claims. (Cl. 25—41.)



1. A mold for making building blocks comprising a stationary horizontal bottom plate, a mold bar movable toward and from the upper rear part of said bottom plate, a fixed inner wall depending from the front edge of said bottom plate, a fixed bottom flange projecting forwardly from the lower edge of said inner wall, an outer wall movable toward and from said inner wall and flange, and two side plates movable toward and from said bottom plate, mold bar, outer and inner walls and said flange.

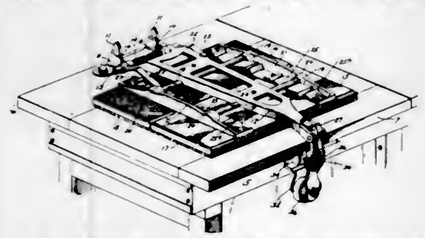
1,463,008. SOUND-EMISSION DEVICE. MATTEO DE CESARE, Newark, N. J., assignor to The Toy Devices, Inc., Newark, N. J., a Corporation of New Jersey. Filed Sept. 20, 1922. Serial No. 589,290. 11 Claims. (Cl. 46—46.)

3. In a device of the kind described, a bellows having a movable member and a stationary means, a sound emission device having an outlet orifice carried by said movable member and actuated by compression of air in said bellows, a pivoted flap-valve normally closing said orifice and capable of both outward vertical swing and limited lateral play, a resilient tension means for holding said flap-valve in normal initial closed position, a tripper abutment on said stationary means, and a tripping means on said flap-valve adapted to swing open the latter



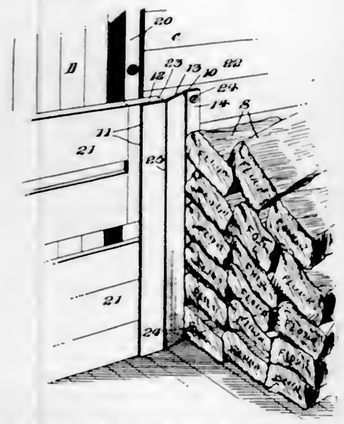
when engaging said tripper abutment in one direction and adapted to produce a lateral yielding movement thereof when engaging said tripper abutment in the opposite direction.

1,463,009. PRESSER-BACK MECHANISM FOR PHOTO-PRINTING MACHINES. GLEN M. DYE, Minneapolis, Minn., assignor to Pako Corporation, Minneapolis, Minn., a Corporation of Delaware. Filed Sept. 10, 1921. Serial No. 499,723. 9 Claims. (Cl. 95—77.)



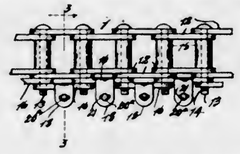
2. In a photo-printing machine, the combination with a transparent plate and its support, of a co-operating presser back mechanism comprising a presser lever, laterally spaced saddle bars yieldingly connected to said lever, and front and rear presser boards, the former being firmly connected to the front ends of said saddle bars and the latter having a yielding connection to said lever.

1,463,010. PROTECTOR FOR CAR GRAIN DOORS AND THE LIKE. HERBERT S. ECKHOUSE, Indianapolis, Ind. Filed July 11, 1922. Serial No. 574,256. 10 Claims. (Cl. 20—30.)



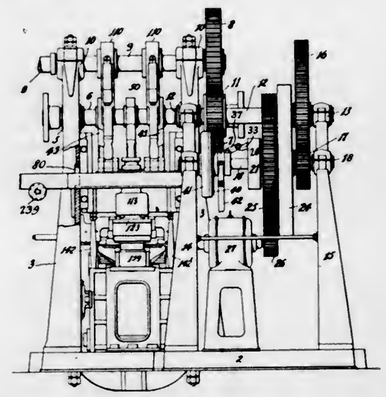
1. In combination with a car having a grain door across the door opening thereof on the interior of the car, a cushioning material protecting strip secured to the inner wall of the car adjacent an end of said grain door and inclined over and across said grain door end to provide a smooth surface between and connecting the inner face of said grain door with the inner wall of the car.

1,463,011. CONVEYER. ISAAC W. ENGLAND, Passaic, N. J., assignor to Passaic Metal Ware Co., Passaic, N. J., a Corporation of New Jersey. Filed Dec. 1, 1921. Serial No. 519,036. 5 Claims. (Cl. 198—134.)



1. A conveyer comprising spaced chains having side links and connecting pins, supplemental links upon said pins adjacent to corresponding side links of the pins, and supports carried by and extending between opposing supplemental links of the spaced chains.

1,463,012. APPARATUS FOR THE MANUFACTURE OF HORSESHOES. JOHN HANBURY FARRER, Neutral Bay, near Sydney, New South Wales, Australia. Filed Jan. 26, 1923. Serial No. 615,133. 21 Claims. (Cl. 59—37.)



1. In apparatus of the class specified, the combination with forging mechanism and a heating furnace, of a pedestal interposed between the furnace and forging mechanism, a frame mounted on said pedestal for adjustment toward and away from the furnace, a feed trough secured to said frame, grip rollers supoprted by said trough, a rotatable feed roller beneath said grip rollers, means for intermittently rotating said feed roller, a vertically reciprocating ram mounted in said frame carrying a shear blade, a second trough in alinement with and in spaced relation to the first trough, a shear blade fitted to said second trough, a spring actuated plate hingedly mounted on said second trough to constitute the bottom thereof, and a bearer bar extending transversely of said second trough in the rear of the bottom plate.

1,463,013. CURTAIN, DRAPERY, AND THE LIKE. EDWIN H. FLAGG, Los Angeles, Calif. Filed Apr. 1, 1922. Serial No. 548,872. 2 Claims. (Cl. 41—26.)

1. A curtain or the like made of a body fabric having short projecting strands standing at substantially right angles to the plane of said body, in close relationship to each other, said body being colored and decorated in figures inwardly of said projecting strands, and the



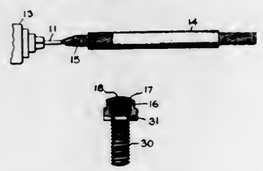
outer ends of said projecting strands being provided with an adhering bronze-like matter for decorative purposes.

1,463,014. PROCESS FOR MAKING CURTAINS, DRAPERIES, AND THE LIKE. EDWIN H. FLAGG, Los Angeles, Calif. Filed Apr. 1, 1922. Serial No. 548,873. 4 Claims. (Cl. 41—26.)



1. The process of manufacturing curtains and the like which consists in using a fabric having loops of the material projecting from the surface thereof, coloring the fabric through a stencil by means of an air gun for forcing a liquid coloring into the fabric, and applying a decorative matter to the ends of the loops, whereby said decorative matter stands outermost.

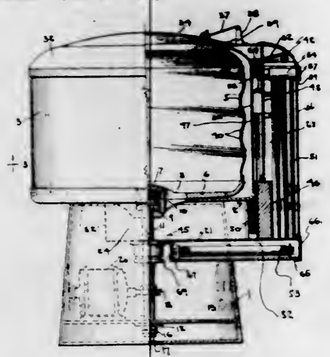
1,463,015. ACTUATING DEVICE AND METHOD OF MAKING THE SAME. EMILE J. GUAY, Lynn, Mass., assignor to General Electric Company, a Corporation of New York. Filed Nov. 4, 1919. Serial No. 335,775. 18 Claims. (Cl. 154—2.)



10. A device of the character described, comprising a tube which is filled with spinable fibers extending lengthwise thereof and held under heavy compression by the wall of the tube, and a holder containing a socket in which the tube and its filler are seated, said filler extending slightly beyond one end of the tube.

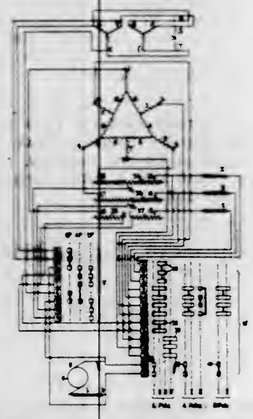
11. The method of making devices of the character described which comprises filling an elongated shell with spinable textile fibers and compressing the same by reducing the size of the shell.

1,463,016. WASHING MACHINE. ALONZO HUMBERGER, Chicago, Ill. Filed June 29, 1921. Serial No. 481,221. 8 Claims. (Cl. 68—18.)



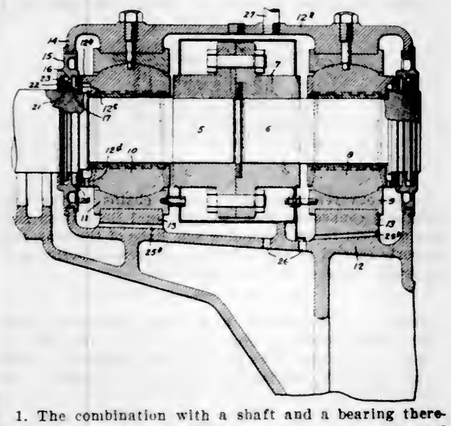
8. The combination with a washing machine comprising a tub and a passageway connected therewith at top and bottom for the circulation of washing water or drying air, of a heating chamber below said passageway, a heat producing device in said chamber, flues extending upwardly from said chamber through said passageway, a valve housing connecting the upper ends of said flue, a valve shiftable in said housing, means tending to shift said valve outwardly to connect the upper ends of said flues to the exterior of said passageway, a lid for said passageway, and mechanism between said valve and lid operable to shift said valve inwardly when the lid is closed to then connect the upper ends of said flues with the interior of said passageway.

1,463,017. DYNAMO-ELECTRIC MACHINE ADAPTED FOR SYNCHRONOUS WORKING. LOUIS JOHN HUNT, London, England, assignor to General Electric Company, Schenectady, N. Y. Filed Apr. 19, 1921. Serial No. 462,584. 15 Claims. (Cl. 172—274.)



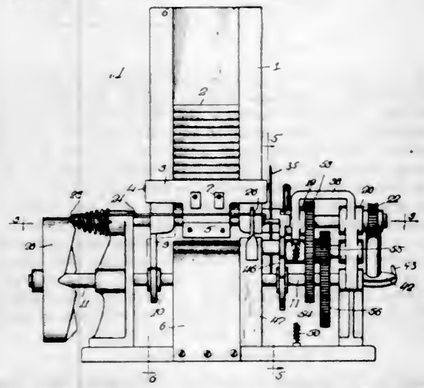
1. A dynamo-electric machine having windings on the stationary part adapted to produce fields of two different pole numbers, and windings on the revolvable part also adapted to produce fields of said two different pole numbers, the windings on one of said parts being of a type wherein currents flow through some of the same coils with different terminal connections for producing fields of the two different pole numbers, in combination with means for supplying direct current to the windings on the last mentioned portion of the machine in such manner as to produce fields of either of the two said pole numbers.

1,463,018. SHAFT BEARING. OSCAR JUNGGREN, Schenectady, N. Y., assignor to General Electric Company, a Corporation of New York. Filed Jan. 15, 1921. Serial No. 437,565. 5 Claims. (Cl. 64—22.)



1. The combination with a shaft and a bearing therefor, of a bearing housing which projects beyond the end of the bearing and through the end of which the shaft projects, and means for preventing leakage from the end of the bearing along the shaft comprising a member carried by the bearing housing and providing two annular chambers having open sides facing the shaft, an impeller carried by the shaft and running in the outer chamber, and conduit means connecting the delivery side of the impeller chamber to the inner chamber, said impeller serving to take air from the outside and build up a pressure in the inner chamber to produce a flow of air along the shaft toward the bearing.

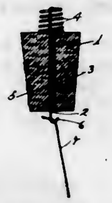
1,463,019. THREAD-CUTTING MACHINE. FRANK H. MOONEY, Hinsdale, Ill., assignor to Clarence E. Barrett, Chicago, Ill. Filed Oct. 25, 1920. Serial No. 419,276. 10 Claims. (Cl. 10—154.)



2. In a threading machine, a pair of alined socketing means respectively engaging opposite ends of the stock, means for spirally advancing the stock while thus engaged, a circular saw, and sequentially operative means for moving one of the socketing means transversely of the stock so as to bring the latter into engagement with the edge of the saw, for moving the last named socketing means in the opposite direction, and for increasing the spacing between the two socketing means to cause the latter to release the stock.

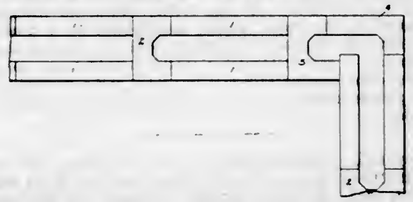
5. In a threading machine, a circular saw, a support for the same, a rocker frame pivoted on the support, stock-manipulating means carried partly by the support and partly by the rocker frame and including means for rotating the stock and means for longitudinally moving the stock, and speed reducing means carried by the rocker frame and operatively interposed between the said stock-rotating and stock-moving means.

1,463,020. ADJUSTABLE FISHING-LINE BOBBER. OLAF OLSON, St. Paul, Minn. Filed Mar. 18, 1922. Serial No. 544,772. 4 Claims. (Cl. 43—49.)



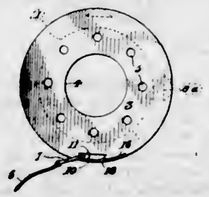
1. A fishing bob comprising a float body and a releasable clamping means for the line at one end thereof yieldingly held in clamping position by means at the other end of said float body.

1,463,021. WALL CONSTRUCTION. CHARLES V. PIERSON, Duluth, Minn. Filed Mar. 16, 1923. Serial No. 625,480. 7 Claims. (Cl. 72—39.)



7. A hollow wall corner construction comprising four coacting blocks forming an L-shaped space within said wall about the corner, the terminals of said space being unequal in distance from the corner, and said blocks being reversible in their assembled relation about the corner.

1,463,022. DRAFT APPLIANCE FOR AUTOMOBILES. MIKE SEPELYAK, Verona, Pa. Filed Apr. 12, 1922. Serial No. 551,943. 3 Claims. (Cl. 242—95.)



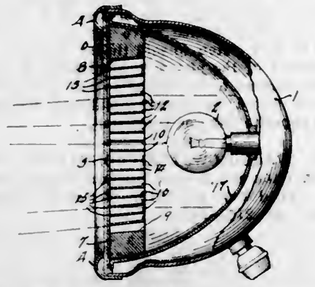
1. A draft attachment for automobiles, comprising a drum secured to the hub of the driving wheel, and including side flanges, one of said flanges having a recess therein opening at the periphery of the flange and a tensioned bolt closing the outer side of said recess.

1,463,023. COLLAPSIBLE STEPLADDER. LOUIS SMOLNICK, L'Anse, Mich. Filed Dec. 19, 1922. Serial No. 607,806. 1 Claim. (Cl. 228—2.)



In a collapsible step ladder, front and rear frame structures embodying side bars hingedly connected at their upper ends, a top plate removably secured to the upper ends of the side bars, a tensioned spacer removably positioned between the front and rear frames, the side bars, each being formed of upper and lower sections hinged at adjacent ends, cooperating means carried by the sections for maintaining alinement thereof, the hinge connection between the sections including a hinge plate carried by the adjacent ends of each section, and a barrel carried by each hinge plate adapted to receive an end of the tensioned spacer.

1,463,024. AUTOMOBILE HEADLIGHT. WILLIAM R. STEINHAUER and JACOB N. PRETZMAN, Mount Vernon, Wash. Filed Jan. 24, 1921. Serial No. 439,481. 1 Claim. (Cl. 240—48.4.)

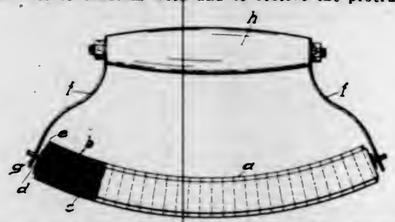


A light deflecting attachment for automobile head lights comprising a metal frame adapted to fit within the headlight, filler blocks mounted transversely in said frame at the top and bottom thereof, parallel horizontal partitions extending transversely of said frame and positioned substantially midway the height of the frame, a series of downwardly inclined partitions extending transversely of the frame above and below the said parallel partitions, said partitions having a non-reflecting upper face and a lower reflecting face, and obstructors extending upwardly at an angle from the rear edge of some of said inclined partitions.

1,463,025. BLOTTER. JOHANN STICH, Augsburg, Germany. Filed Dec. 13, 1922. Serial No. 606,765. 4 Claims. (Cl. 120—24.)

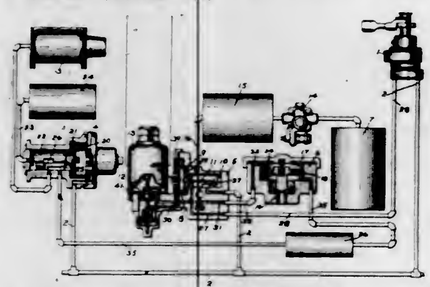
3. A blotter comprising a pad of vertically disposed strips of absorbing material, resilient strengthening means passed through and protruding beyond the said

pad, a handle having depending brackets at each end, apertures to conform with and to receive the protruding



end portions of the resilient strengthening means so as to impart to the pad a downwardly directed curvature.

1,463,026. FLUID-PRESSURE BRAKE. THOMAS H. THOMAS, Edgewood, Pa., assignor to Westinghouse Air Brake Company, Wilmerding, Pa., a Corporation of Pennsylvania. Filed June 3, 1919. Serial No. 301,513 3 Claims. (Cl. 303—13.)



1. In a remote controlled fluid pressure brake, the combination with an application valve device comprising a piston normally subject on opposite sides to fluid under pressure and valve means operated by said piston for effecting an application of the brakes, of a timing reservoir, a magnet controlled valve for venting fluid from one side of said piston to said timing reservoir to effect the movement of the piston to application position, and a by-pass adapted to be opened in the application position of the piston for quickly equalizing the fluid pressures on opposite sides of the piston.

1,463,027. VACUUM-WALLED CONTAINER. RAYMOND SAMUEL WILE and SIDNEY HERBERT GOBAY, New York, N. Y. Filed Dec. 12, 1919. Serial No. 344,275. 4 Claims. (Cl. 215—12.)



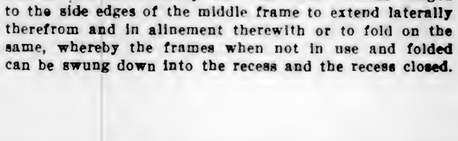
1. In a vacuum walled vessel, spaced inner and outer walls of occluding material enclosing a vacuum chamber and having their confronting surfaces coated with non-occluding material to prevent occlusion of gases and polished to reflect heat rays and prevent absorption thereof by said walls.

1,463,028. HAIR CURLER. LOUIS GAETAN AGOSTINI, Paris, France. Filed Feb. 17, 1922. Serial No. 537,296. 7 Claims. (Cl. 132—34.)



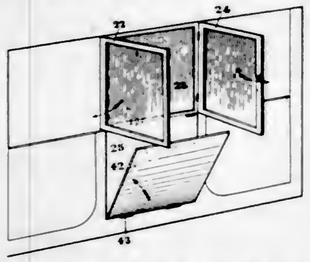
1. A hair curler, comprising a tube, a central rod inserted through the bore of the tube and projecting therebeyond at opposite ends; an end piece on one end of the rod; a knob on the other end of said rod; and a spring acting to normally grip the knob to the adjacent tube end and thereby prevent relative rotation between the rod and tube.

1,463,029. COMBINED TROLLEY FROG AND ELECTRIC CUT-OUT. CHARLES M. ANDREWS, Caryville, Tenn., assignor of one-half to G. Edward Moore, Caryville, Tenn. Filed June 2, 1922. Serial No. 565,479. 7 Claims. (Cl. 191—38.)



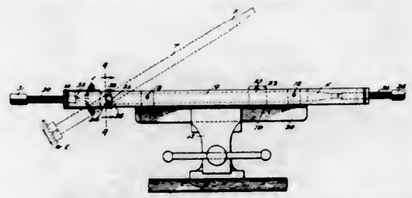
1. A combined trolley frog and electrical cut-out comprising a divided frog plate carrying a trolley track and formed with upper and lower recesses adjacent its point of division, said recesses defining intermediate metallic webs electrically separated, said lower recess interrupting the continuity of said trolley track, an insulator seated in the upper recess, functioning as a tension member for holding the divided parts of said frog plate together, a second insulator seated in said lower recess, means for securing said first insulator and a part of said frog plate together, said means engaging said second insulator.

1,463,030. COLLAPSIBLE HOOD OR ROOF OF VEHICLES. GUSTAVE BAEHR, Paris, France. Filed Mar. 31, 1921. Serial No. 457,467. 1 Claim. (Cl. 296—45.)



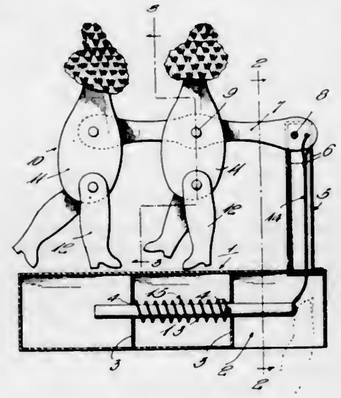
In a vehicle of the character described, a body having a recess in the outer face of its side, a hinged door for closing the recess, the door when closed being substantially flush with the outer face of the body, and three glazed frames hinged together to fold one upon the other, the middle frame being hinged at one end to the upper side edges of the said recess to swing upwardly and downwardly and the other frames hinged to the side edges of the middle frame to extend laterally therefrom and in alinement therewith or to fold on the same, whereby the frames when not in use and folded can be swung down into the recess and the recess closed.

1,463,031. TOOL FOR REMOVING FROM OR APPLYING DIFFERENTIAL GEARS TO THEIR AXLES. WILLIAM C. BAKELS, Midland Park, N. J. Filed Mar. 24, 1922. Serial No. 546,398. 8 Claims. (Cl. 29—85.)



1. A tool for effecting the connection and disconnection of a differential gear and axle section having a frame including means for supporting the axle section for axial movement, means at one end of the frame engageable with the gear for limiting the axial movement thereto in opposite directions, means movable through the opposite end of the frame and engageable with one extremity of the axle section for effecting relative axial movement of the same with respect to the gear in one direction whereby to permit of the disengagement and removal of the gear retaining means, and means movable through the first mentioned end of the frame and engageable with the opposite extremity of the axle section for effecting relative axial shifting movement of said axle section through the gear and the removal of the same therefrom.

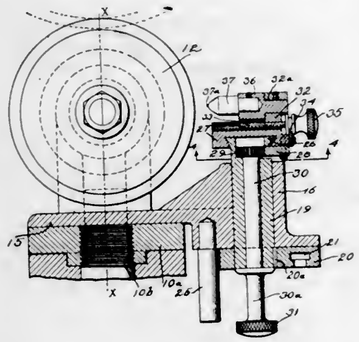
1,463,032. TOY. RALPHAEL BANTLE, St. Louis, Mo. Filed Oct. 12, 1920. Serial No. 416,444. 6 Claims. (Cl. 46—40.)



2. In a toy, a hollow base having its bottom side provided with a finger inserting opening, a dancing figure positioned above the base, means for supporting and moving the figure, and a concealed manually operated slidable operating member entirely disposed in the base and having one of its ends extending above said finger inserting opening and serving to impart motion to said supporting means, when moved by a finger extending through the opening.

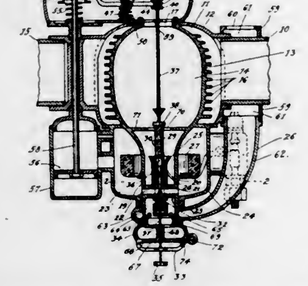
1,463,033. TRUING DEVICE FOR GRINDING DISKS. JOHN R. BECKETT, Somerville, Mass. Filed July 17 1919. Serial No. 311,531. 4 Claims. (Cl. 125—11.)

1. The combination with a grinding disk, of a truing device therefor comprising a carriage support mounted for angular adjustment to extend diagonally at either side of said disk at will, a carriage bearing a truing tool mounted for movement on said support and equipped



with an actuating device coaxial with the axis of adjustment of said support, and means for adjusting the tool transversely on said carriage.

1,463,034. CARBURETOR. ASHLEY C. BENNETT, Minneapolis, Minn., assignor to Irene E. Bennett, Minneapolis, Minn. Filed Feb. 10, 1914. Serial No. 817,804. 5 Claims. (Cl. 261—14.)



2. A carburetor comprising a casing forming a vertical passageway, a contracted neck at the bottom of the passageway, means for delivering fuel oil to said passageway at the throat of the neck, said neck being formed with peripheral holes for delivering heated air, and an expanded annular chamber open to the atmosphere at the bottom, a valve comprising a head operating in said annular chamber and adapted to close said bottom opening, and a tubular portion slidable in said passageway and adapted to cover or uncover said ports, said valve being adapted to be raised by the suction of the engine to admit normal air and to cut off heated air when the engine reaches a predetermined speed.

1,463,035. INTAKE MANIFOLD. ASHLEY C. BENNETT, Minneapolis, Minn., assignor to Irene E. Bennett, Minneapolis, Minn. Filed Mar. 1, 1917. Serial No. 151,697. 1 Claim. (Cl. 123—122.)

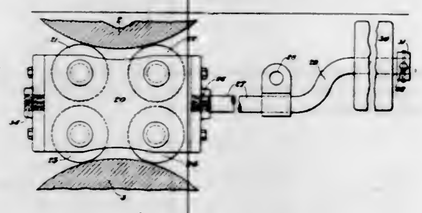
An intake device for gas engines comprising an exhaust pipe formed in two interconnected sections, one of said sections being connected with the cylinders of the engine, an intake manifold secured upon the other

section and having a connection with the carbureter extending through and surrounded by said other section,



and controllable means for causing varying quantities of the exhaust gases to pass through said last mentioned pipe section.

1,463,036. ROLLING-MILL RAGGING MECHANISM. GEORGE J. BAYEN, Duquesne, Pa. Filed Dec. 23, 1920. Serial No. 432,674. 8 Claims. (Cl. 80—5.1.)

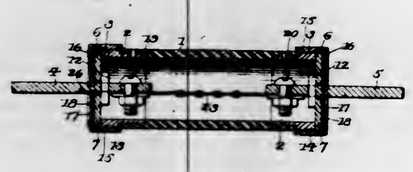


1. A rolling mill ragging mechanism comprising a frame, upper and lower ragging disks journaled on pins mounted in said frame, said disks having serrated peripheral faces, an arm having one end secured to said frame for moving said mechanism into place between a pair of rolls, and a counterweight adjacent the free end of said arm.

1,463,037. PROCESS FOR THE MANUFACTURE OF ALKALI-METAL SILICATES. CAMILLE DEGUIDE, Enghien, France. Filed Dec. 24, 1921. Serial No. 524,695. 3 Claims. (Cl. 23—13.)

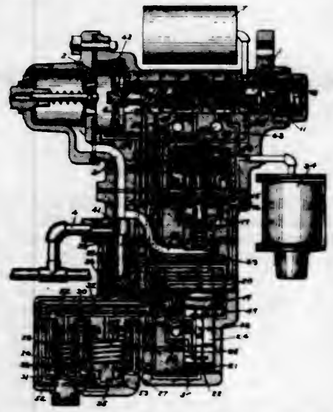
1. The process of producing alkali-metal silicates, which consists in decomposing barium silicate by water and an alkali-metal salt the acid radical of which forms a barium salt less soluble than barium silicate.

1,463,038. KNIFE-BLADE FUSE. EDWARD H. ELLISON, Jamestown, N. Y., assignor to Monarch Refillable Fuse Co., Jamestown, N. Y., a Corporation of New York. Filed Apr. 27, 1920. Serial No. 376,931. 20 Claims. (Cl. 200—132.)



1. A fuse comprising an insulating casing having substantially smooth unbroken ends, a fusible link therein, a projecting knife blade at each end thereof extending into and forming connections with the fusible link, means for closing the ends of said casing, bridge pieces for aligning said knife blades said bridge pieces engaging said smooth unbroken ends to secure an effective gas-tight joint, held in predetermined position relatively to said casing by means independent of said closing means.

1,463,039. TRIPLE-VALVE DEVICE. CLYDE C. FARMER, Pittsburgh, Pa., assignor to The Westinghouse Air Brake Company, Wilmerding, Pa., a Corporation of Pennsylvania. Filed June 27, 1921. Serial No. 480,705. 19 Claims. (Cl. 303—35.)



1. In a fluid pressure brake, the combination with a brake pipe, of a valve mechanism for retarding an emergency application of the brakes and means operated upon an increase in brake pipe pressure for controlling said valve mechanism.

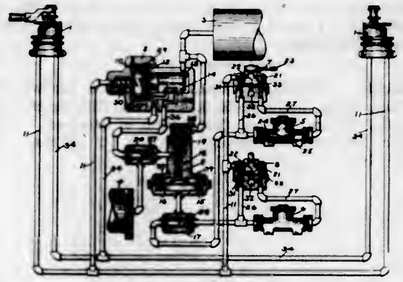
9. In a fluid pressure brake, the combination with a triple valve device for controlling the application and release of the brakes and having a service lap position and a position in which the release of the brakes is retarded, of means for retarding an emergency application of the brakes and a valve device operative upon movement of the triple valve device to the retarded release position for cutting said means into operation and upon movement to service lap position for cutting said means out of operation.

15. In a fluid pressure brake, the combination with a brake cylinder and a triple valve device for effecting a service application of the brakes and an emergency application of the brakes and having a position in which the release of the brakes is retarded, of a valve mechanism for retarding the flow of fluid from the triple valve device to the brake cylinder in an emergency application of the brakes and a valve device positioned upon movement of the triple valve device in effecting a service application of the brakes for establishing a direct communication from the triple valve device to the brake cylinder in an emergency application of the brakes and positioned upon movement of the triple valve device to the retarded release position for cutting off said direct communication.

1,463,040. DOOR AND BRAKE CONTROL DEVICE. ELLERY R. FITCH, St. Louis, Mo., assignor to The Westinghouse Air Brake Company, Wilmerding, Pa., a Corporation of Pennsylvania. Filed June 29, 1921. Serial No. 481,251. 8 Claims. (Cl. 303—6.)

1. The combination with a mortorman's brake valve device for effecting an application of the brakes, of a fluid pressure operated door engine, a manually operated valve device for supplying fluid to said door engine, a main reservoir charged with fluid under pressure, and a valve device operated by fluid supplied to the door engine for supplying fluid directly from said main reservoir to effect an application of the brakes.

3. The combination with a brake cylinder and a motorman's brake valve device for supplying fluid under pressure to the brake cylinder, of a fluid pressure operated door engine, a valve device manually operable by the conductor for supplying fluid to said door engine, a source of fluid under pressure, a valve device operated by fluid supplied to the door engine for supplying fluid from said source to the brake cylinder, and a double check valve for



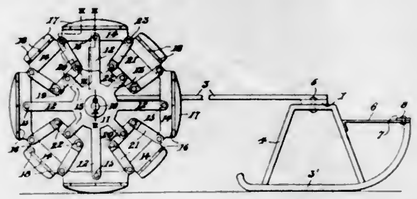
controlling communication from said last mentioned valve device and from the motorman's brake valve to the brake cylinder.

1,463,041. ELEMENT FOR WAINSCOTING. JOSE KÄLIN, Oberwinterthur, Switzerland. Filed Mar. 25, 1921. Serial No. 455,564. 1 Claim. (Cl. 20—15.)



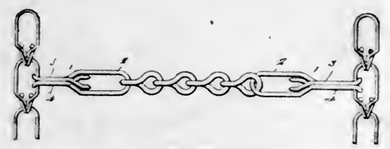
In a wainscoting element, a molding arranged adjacent to one of the longitudinal edges of the element and joining on to a flat portion of the element, the molding being integral with the flat portion and all the parts of the molding projecting above the face of the flat portion so that the molding can be planed off at places to the face of the flat portion.

1,463,042. MOTOR SLEIGH. JOHN KRYSIAK, Four Corners, Wyo. Filed June 8, 1922. Serial No. 566,771. 5 Claims. (Cl. 305—6.)



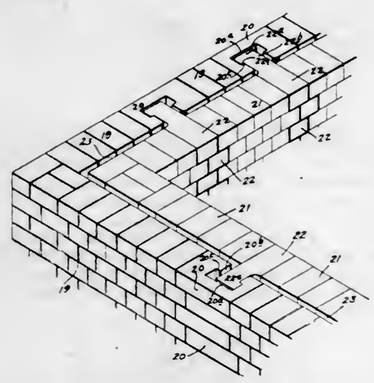
1. In a device of the class described, a driving wheel including a hub, relatively long radial spokes carried thereby, relatively short intermediate spokes carried by said hub, a tread block pivotally secured intermediate its ends to the outer end of each longer spoke, intermediately positioned tread blocks pivotally secured at their opposite ends to the adjacent ends of the aforesaid tread blocks, and link connection between the pivoted ends of said blocks and the shorter spokes whereby two adjacent tread plates will be intermittently moved into engagement with the ground at one time.

1,463,043. LINK. JOSEPH N. LAGASSE, Hyner, Pa. Filed July 7, 1922. Serial No. 573,503. 1 Claim. (Cl. 24—237.)



A link of the class described formed from a single piece of material and providing a main loop and two minor loops, the minor loops being parallel to each other and arranged at right angles to the major loop, the ends of the minor loops extending into the major loop and crossing each other to provide a space between their extremities and converging portions connecting the major loop with the minor loops.

1,463,044. FURNACE WALL. MICHAEL LIPTAK, St. Paul, Minn., assignor to A. P. Green Fire Brick Company, Mexico, Mo., a Corporation of Missouri. Filed July 6, 1920. Serial No. 394,112. 5 Claims. (Cl. 110—86.)

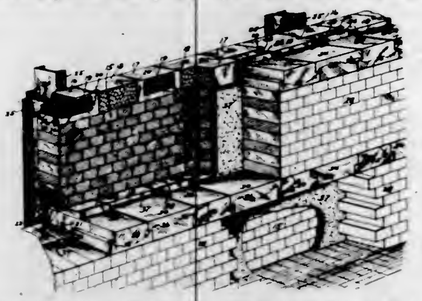


1. A wall structure made up of a main masonry outer wall and a replaceable inner facing wall, one of said walls including blocks having lock head seats with entrance throats leading thereto, and the other wall including blocks having necks formed with lock heads, said heads being insertable into and removable from interlocking engagement with said seats by movement in the wall in the space between immediately adjacent lower and upper layers of blocks or bricks.

1,463,045. FURNACE-WALL STRUCTURE. MICHAEL LIPTAK, St. Paul, Minn., assignor to A. P. Green Fire Brick Company, Mexico, Mo., a Corporation of Missouri. Filed Sept. 7, 1920. Serial No. 408,698. 7 Claims. (Cl. 72—101.)

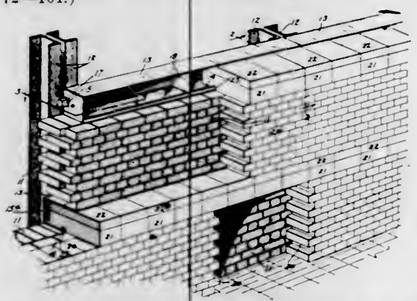
4. A wall structure comprising a permanent outer wall and a replaceable inner wall, said outer wall including horizontally spaced anchoring boxes and horizontally in-

terposed blocks, and said inner wall having built therein anchoring tiles with projecting ends that are detachably



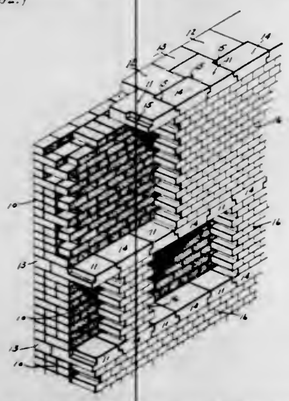
anchored within the anchor boxes of said outer wall and afford supporting shelves for elements of the inner wall.

1,463,046. FURNACE WALL. MICHAEL LIPTAK, St. Paul, Minn., assignor to A. P. Green Fire Brick Company, Mexico, Mo., a Corporation of Missouri. Filed Sept. 7, 1920. Serial No. 408,699. 7 Claims. (Cl. 72—101.)



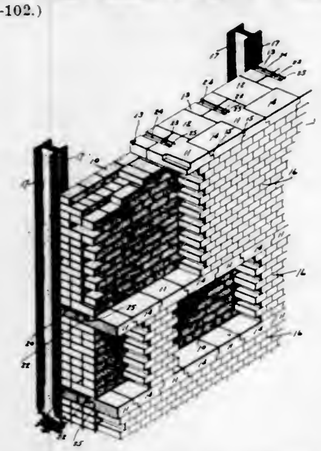
1. A wall structure comprising a permanent outer wall and a replaceable inner wall, said outer wall having metallic anchor boxes built therein, and said inner wall having built therein anchoring tiles with ends that projec into and are interlocked to said anchor boxes.

1,463,047. FURNACE WALL. MICHAEL LIPTAK, St. Paul, Minn., assignor to A. P. Green Fire Brick Company, Mexico, Mo., a Corporation of Missouri. Filed Dec. 10, 1921. Serial No. 521,376. 10 Claims. (Cl. 72—102.)



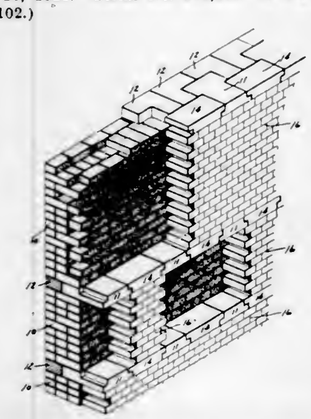
1. A wall structure comprising a permanent masonry wall and a replaceable wall, said permanent wall having non-metallic elements constructed and arranged to form horizontal rows of vertically spaced pockets, and said replaceable wall including shelf-forming tiles that are detachably anchored in the pockets of said permanent wall and project into the replaceable wall and form horizontal shelves that support independently replaceable overlying belts of the latter.

1,463,048. FURNACE WALL. MICHAEL LIPTAK, St. Paul, Minn., assignor to A. P. Green Fire Brick Company, Mexico, Mo., a Corporation of Missouri. Filed Dec. 10, 1921. Serial No. 521,377. 2 Claims. (Cl. 72—102.)



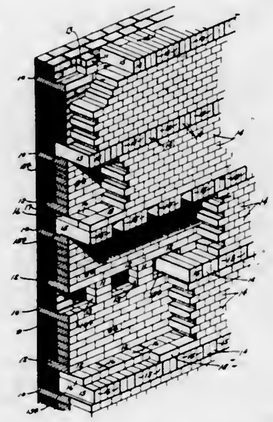
1. A wall structure comprising a permanent masonry outer wall, and a replaceable masonry inner wall, said inner wall having shelf-forming tiles extended from said inner wall into said outer wall and detachably anchored therein, buckstays at the exterior of said wall structure, and metallic anchors interlocked to said shelf-forming tiles and extended therefrom through said outer wall and anchored to said buckstays.

1,463,049. FURNACE WALL. MICHAEL LIPTAK, St. Paul, Minn., assignor to A. P. Green Fire Brick Company, Mexico, Mo., a Corporation of Missouri. Filed Dec. 10, 1921. Serial No. 521,378. 5 Claims. (Cl. 72—102.)



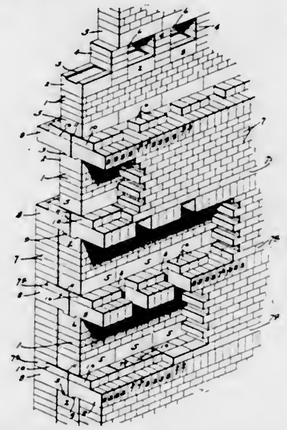
1. A wall structure comprising a permanent masonry outer wall and a replaceable masonry inner wall, said outer wall having vertically spaced horizontal tile layers made up of alternately reversed L-shaped tiles, and said inner wall including shelf-forming tiles partly imbedded in seats formed in said outer wall by said L-shaped tiles.

1,463,050. FURNACE WALL. MICHAEL LIPTAK, St. Paul, Minn., assignor to A. P. Green Fire Brick Company, Mexico, Mo., a Corporation of Missouri. Filed Apr. 8, 1922. Serial No. 550,841. 15 Claims. (Cl. 72—102.)



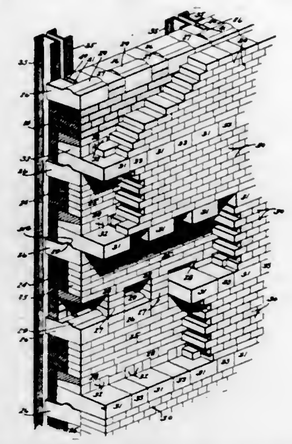
1. A composite furnace wall comprising a permanent masonry outer wall having therein horizontal rows of sill-forming blocks, overlying horizontal rows of lintels and intervening pilasters, forming vertically spaced rows of horizontally spaced pockets, in combination with a high refractory replaceable masonry inner wall including shelf-forming blocks projected into and anchored within the pockets of said permanent wall.

1,463,051. PARTITION WALL FOR FURNACES. MICHAEL LIPTAK, St. Paul, Minn., assignor to A. P. Green Fire Brick Company, Mexico, Mo., a Corporation of Missouri. Filed Apr. 8, 1922. Serial No. 550,842. 7 Claims. (Cl. 72—102.)



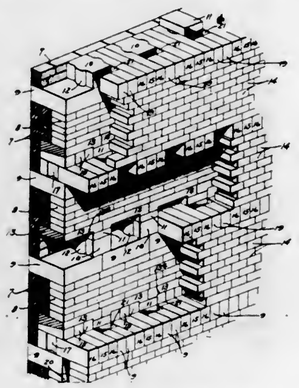
1. A composite partition wall for furnaces comprising a permanent center wall and shelf forming elements anchored to and projecting from opposite sides of said wall, and replaceable facing walls anchored to said center wall by said shelf-forming elements.

1,463,052. FURNACE WALL. MICHAEL LIPTAK, St. Paul, Minn., assignor to A. P. Green Fire Brick Company, Mexico, Mo., a Corporation of Missouri. Filed Apr. 24, 1922. Serial No. 556,195. 12 Claims. (Cl. 72—102.)



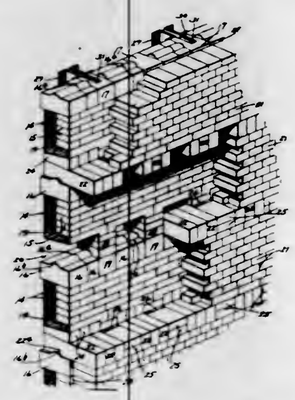
1. A composite furnace wall comprising a permanent masonry outer wall having therein horizontal rows of sill-forming blocks, overlying horizontal rows of lintels and intervening pilasters, forming vertically spaced rows of horizontally spaced pockets, in combination with a high refractory replaceable masonry inner wall including shelf-forming blocks projected into and anchored within the pockets of said permanent wall, said shelf-forming blocks each being substantially the width of a co-operating pocket.

1,463,053. FURNACE WALL. MICHAEL LIPTAK, St. Paul, Minn., assignor to A. P. Green Fire Brick Company, Mexico, Mo., a Corporation of Missouri. Filed Apr. 24, 1922. Serial No. 556,196. 6 Claims. (Cl. 72—102.)



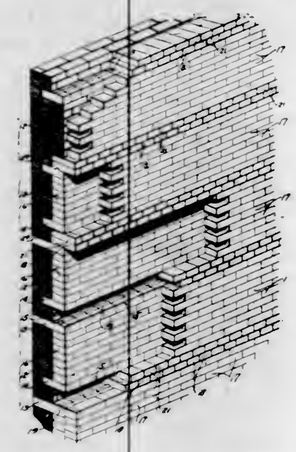
1. A composite furnace wall comprising a permanent masonry outer wall having horizontally spaced pilasters and intervening pockets, in combination with a high refractory inner wall including shelf-forming blocks that project into the pockets of said permanent outer wall, said shelf-forming blocks comprising outside and intermediate sections, the former having interlocking engagement with said pilasters and being held interlocked therewith by the intermediate lock sections.

1,463,054. FURNACE WALL. MICHAEL LIPTAK, St. Paul, Minn., assignor to A. P. Green Fire Brick Company, Mexico, Mo., a Corporation of Missouri. Filed May 1, 1922. Serial No. 557,701. 15 Claims. (Cl. 72—102.)



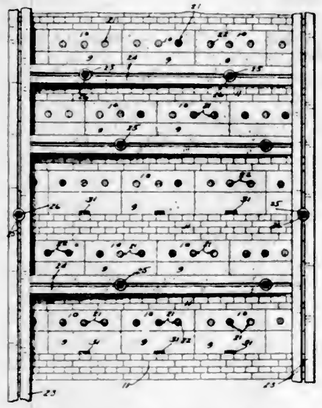
1. A composite furnace wall comprising a permanent masonry outer wall with pockets extending through the same, in combination with a highly refractory replaceable inner wall including shelf-forming blocks seated in said pockets and extending from said replaceable inner wall through said permanent outer wall.

1,463,055. FURNACE WALL. MICHAEL LIPTAK, St. Paul, Minn., assignor to A. P. Green Fire Brick Company, Mexico, Mo., a Corporation of Missouri. Filed May 19, 1922. Serial No. 562,126. 10 Claims. (Cl. 72—102.)



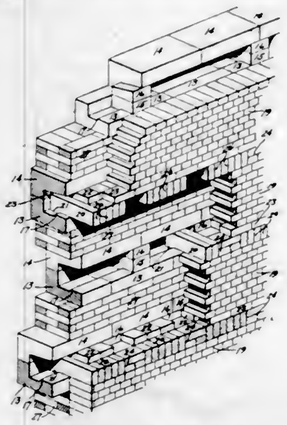
1. A composite furnace wall comprising a permanent masonry outer wall having therein a long continuous channel, in combination with a highly refractory replaceable inner wall including shelf-forming blocks placed adjacent each other in a continuous row and extended into and anchored within the channel of said permanent outer wall, said replaceable inner wall further including belts of highly refractory material supported by said shelf-forming blocks.

1,463,056. FURNACE WALL. MICHAEL LIPTAK, St. Paul, Minn., assignor to A. P. Green Fire Brick Company, Mexico, Mo., a Corporation of Missouri. Filed July 17, 1922. Serial No. 575,737. 23 Claims. (Cl. 73—102.)



19. As a new article of manufacture, a tile anchor box of rectangular formation provided with rectangular pocket-forming cavities that extend less than from end to end thereof.

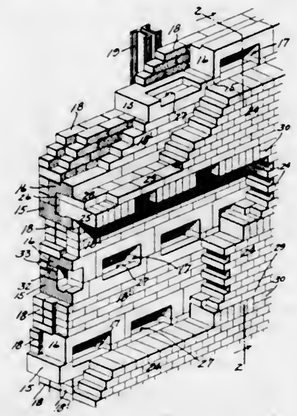
1,463,057. FURNACE WALL. MICHAEL LIPTAK, St. Paul, Minn., assignor to A. P. Green Fire Brick Company, Mexico, Mo., a Corporation of Missouri. Filed Sept. 18, 1922. Serial No. 588,746. 15 Claims. (Cl. 72—102.)



1. A wall structure made up of a masonry outer wall and a replaceable inner wall, said outer wall including channel shaped tile anchoring boxes affording sill blocks and lintels, and pilasters interposed between the sill and lintel-forming portions of said anchor boxes, and said inner wall including shelf-forming blocks extended into and anchored within said anchor boxes.

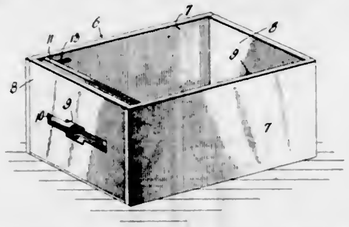
1,463,058. FURNACE WALL. MICHAEL LIPTAK, St. Paul, Minn. Filed Oct. 6, 1922. Serial No. 592,750. 12 Claims. (Cl. 72—102.)

1. A wall structure made up of a masonry outer wall and a replaceable inner wall, said outer wall including tile anchor boxes and said inner wall including shelf-forming blocks extended into and anchored within said anchor boxes being rectangular, the bottom portions thereof affording sills and the top portions thereof affording lintels and the end portions



thereof affording pilasters in the outer wall, said anchor boxes being horizontally divided and set with their pocket-forming portions aligned but with their pilaster-forming end portions offset so as to form staggered joints between the upper and lower box-forming sections.

1,463,059. BOX. JAMES F. MATTHEWS, North Augusta, S. C., assignor of fifty-one one-hundredths to Wade H. White, Augusta, Ga. Filed May 6, 1922. Serial No. 559,014. 5 Claims. (Cl. 217—65.)



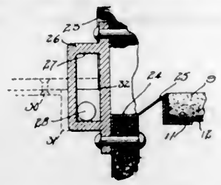
1. A receptacle, a member arranged therein to vary the interior size thereof, and a cam associated with the receptacle and adapted to move the member inwardly thereof.

1,463,060. ANTISKIDDING DEVICE. CONSTANTINE L. OCZKOWSKI, Bunell, Colo. Filed Feb. 21, 1922. Serial No. 538,156. 2 Claims. (Cl. 152—14.)



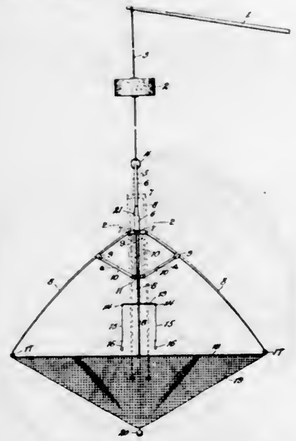
1. In an anti-skidding cross chain for motor vehicles, a link including a body portion of H-shape in plan with the legs thereof at one end connected at their bottom edges by a web, said web being extended beyond the end edges of said legs into hook shape, and a pivot pin between and connecting the legs at the opposite end of the body portion for pivotal and detachable reception of the hook-shaped member of another similar link.

1,463,061. PORTABLE OVEN. IGNATZ H. PAWLICK, Chicago, Ill., assignor to Enterprise Portable Oven Co., Chicago, Ill., a Corporation of Illinois. Filed Apr. 17, 1922. Serial No. 553,359. 5 Claims. (Cl. 126—275.)



1. The combination with an oven comprising a plurality of side walls removably secured to each other, of a frame removably disposed in said oven, said frame being composed of a plurality of members bolted together, shelves carried by said frame, baffle plates carried by said frame and being disposed between said frame and the oven walls, an oven door communicating with each shelf, and a plate carried by each shelf and extending to the oven door.

1,463,062. FISHING TACKLE. EFFIE M. ROBERTS, St. Louis, Mo. Filed May 17, 1921. Serial No. 470,403. 4 Claims. (Cl. 43—105.)

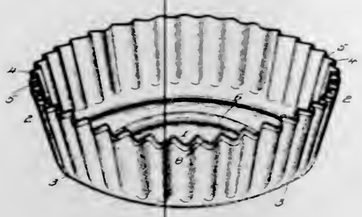


1. In a fishing tackle, the combination of a collapsible frame, a net secured thereon and adapted to be expanded by said collapsible frame, a staff, said frame comprising a collar slidable on the staff, rods pivotally connected to and radiating from said collar, a plurality of links having pivotal connections with the radius rods and the staff, and a plurality of hooks suspended from the staff and in spaced relation with the net the expanded net when being raised from the water adapted to prevent loss of fish engaged by the hooks and to catch fish in the vicinity of the hooks.

1,463,063. PAN. CHARLES RYSDON, Sioux Falls, S. Dak. Filed Feb. 19, 1923. Serial No. 619,973. 2 Claims. (Cl. 119—61.)

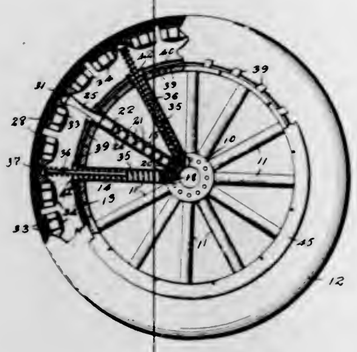
2. A pan for feeding pigs comprising an imperforate upwardly extending continuous seamless slightly flared rigid metallic body portion having formed integral therewith an imperforate seamless bottom formed with an upwardly extending continuous circular rib semi-cylindrical in cross section, said body portion provided

throughout with alternately disposed inwardly and outwardly extending corrugations and further having its top marginal part reinforced by a narrow snugly fitting overlap of the material from which the body portion is constructed thereby providing the body portion with a top edge of double thickness, said overlap arranged



against and conforming in contour to the outer face of said body portion, the corrugations of said body portion being substantially V-shaped in contour and gradually increasing in depth from the lower to the upper end thereof and further starting at a point in close proximity to the lower terminus of the body portion.

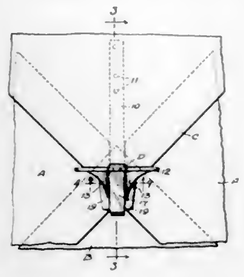
1,463,064. RESILIENT WHEEL. ABEL SEQUEIRA, New Bedford, Mass. Filed July 22, 1922. Serial No. 576,696. 2 Claims. (Cl. 152—29.)



1. In a wheel of the character described, an exteriorly threaded spoke tube, a felly element, means to engage laterally outwardly of the edges of tire shoes of the general character indicated, an interiorly threaded sleeve adapted to screw upon the spoke tube and enlarged at its outer part, and a shoe retaining member apertured and receiving the sleeve therein for confinement by the enlargement, and resilient shoe load sustaining means operative on the spokes.

1,463,065. SNOW GUARD AND FENDER. HENRY N. SIMONS, Slatington, Pa. Filed Jan. 30, 1923. Serial No. 615,918. 5 Claims. (Cl. 108—27.)

1. As a new article of manufacture, a snow guard embodying a bar or strap adapted to be secured at one end to a roof, an upstanding plate secured to the opposite end having a depending rib in longitudinal alignment with the bar or strap and with the under face of the rib in the same plane as the under face of the

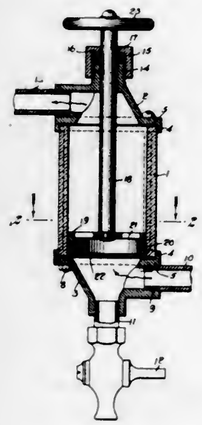


bar, and lateral bearing flanges provided on said plate disposed in a plane above the under face of the plate and strap.

1,463,066. METHOD OF MAKING SEAMLESS UPPERS. DANIEL G. CARTER, Mosheim, Tenn. Filed Feb. 25, 1922. Serial No. 539,305. 2 Claims. (Cl. 69—21.)

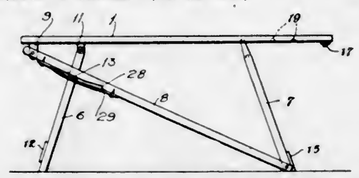
2. The method of making seamless uppers which consists in conforming a pattern of green hide to a last, subjecting it while so conformed to a tanning process a sufficient length of time to permit the tanning process to give it a set shape, removing it from the last, nesting it with other similarly shaped patterns and subjecting the nested group of patterns for a further length of time to the tanning process until tanned.

1,463,067. STRAINER. JAMES H. CRARY, Brooklyn, N. Y. Filed May 28, 1921. Serial No. 473,526. 4 Claims. (Cl. 210—165.)



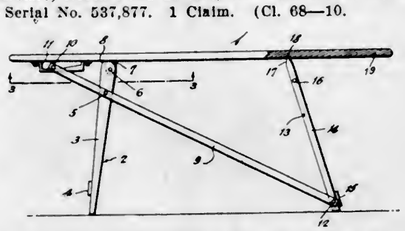
1. A fluid strainer comprising a cylindrical body, a head at the lower end provided with an inlet and a drain, a head at the upper end provided with an outlet, and a strainer element mounted in said body and having exteriorly disposed means for effecting reciprocations of the strainer between the opposite ends of the body for the purpose of cleansing the same by its movement through the liquid trapped in the body.

1,463,068. IRONING BOARD. JOHN P. DORAU, North Fond du Lac, Wis. Filed May 31, 1921. Serial No 473,606. 4 Claims. (Cl. 68—10.)



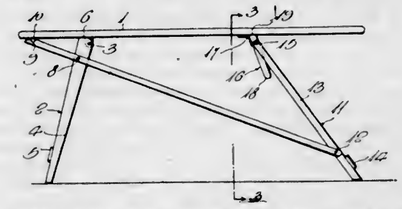
1. An ironing board, side strips pivotally connected with said board beneath one end thereof, a support pivotally connected with the board in spaced relation to the mounting of said side strips and comprising side bars and a cross rod engaging the under faces of the side strips, the side strips being provided with recesses receiving said cross rod, and resilient strips secured to the side strips and engaging the cross rod to hold the same in sliding engagement with the side strips, said side strips and support folding up against the underface of the board with the support positioned between the side strips, a support pivotally connected with the free ends of the side strips for engaging the second end portion of the board when in an operative position and for engaging and securing the first support when in a folded position, and means for locking the second support in a folded position.

1,463,069. FOLDABLE IRONING BOARD. JOHN P. DORAU, North Fond du Lac, Wis. Filed Feb. 20, 1922. Serial No. 537,877. 1 Claim. (Cl. 68—10.



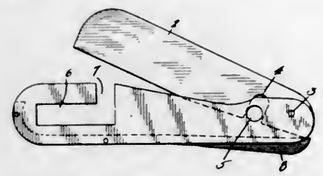
An ironing board having a pivoted inwardly foldable leg structure at one end, a pair of inclined braces pivoted near their upper ends to said leg structure and connected at said upper ends by a transverse horizontal rod under the board, a pair of horizontally elongated guides secured to the lower side of the board and slidably receiving said rod, and a second leg structure pivoted to and rising from the lower ends of said braces, the upper end of said second leg structure having detachable engagement with the board.

1,463,070. FOLDABLE IRONING BOARD. JOHN P. DORAU, North Fond du Lac, Wis. Filed Feb. 20, 1922. Serial No. 537,878. 3 Claims. (Cl. 68—10.)



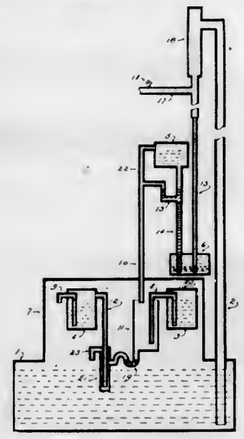
1. An ironing board supporting frame formed of pivotally connected framing members and including a pair of pivoted members, an operating lever hinged to the ironing board on a transverse axis and extending downwardly between the upper ends of said members, and a pivot parallel with the hinge axis connecting said ends of said members with said operating lever, the lower end of said lever being shaped to form a hand-hold for forcing the lever and members beyond dead center to effective position, means being provided for then limiting the movement of the lever.

1,463,071. ANTISKID-CHAIN HOOK. GEORGE B. N. DOW and FRANK P. HAM, Manchester, N. H., assignors to George J. Clarke, West Hanover, Mass. Filed Nov. 21, 1922. Serial No. 602,370. 2 Claims. (Cl. 24—233.)



1. A device of the class described comprising a body member having a longitudinally extending pocket in one edge thereof and an outwardly yielding spring in the other edge, said body having an L-shaped recess at one end thereof with the short arm opening through said pocket and adapted to receive a chain link, a blade pivotally mounted at one end in said pocket and adapted to close said L-shaped recess and normally held closed by said spring, and cooperating means carried by said blade and body for the reception of a chain link whereby the blade is held in closed position by the link when the device is in use.

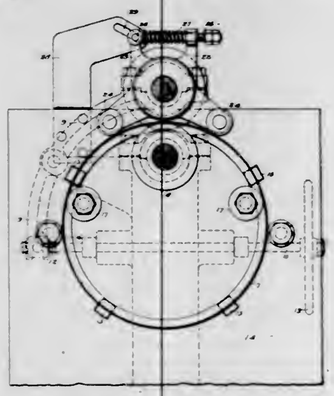
1,463,072. STATIONARY CHEMICAL-MIXING FIRE-EXTINGUISHER SYSTEM. JOHN W. ENRIGHT, New Orleans, La. Filed Nov. 23, 1920. Serial No. 426,021. 11 Claims. (Cl. 169—8.)



1. In a stationary chemical mixing fire extinguisher system a tank for an alkaline solution, a reservoir for a liquid medium having a discharge outlet, a mercury seal normally interposed in said outlet, an acid receptacle having a discharge siphon pipe, one leg of which extends into the said reservoir, and means operative under fire emergency conditions for charging said reservoir with liquid, the liquid entering said siphon leg, the weight of

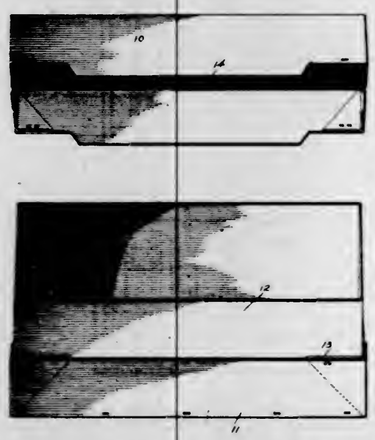
the liquid ultimately overcoming the mercury of said seal and discharging therefrom, the discharge of the liquid from the reservoir and siphon leg initiating the siphoning of acid from the acid receptacle.

1,463,073. MACHINE FOR SHAPING CYLINDERS. ABRAM VAN AKEN FELTEN, Danbury, Conn., assignor to The New England Metal Barrel Corporation, Danbury, Conn., a Corporation of Connecticut. Filed Mar. 11, 1922. Serial No. 543,047. 13 Claims. (Cl. 153—28.)



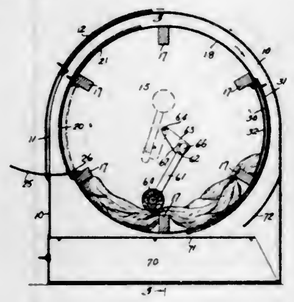
1. A cylinder shaping machine including a shaft, a second shaft, co-operating forming rollers carried by said shafts, means for movably supporting said second shaft, collars carried by said second shaft, crank arms secured one to each of said collars, a spring interposed between the upper ends of said arms for pressing the same in opposite directions, and cylinder contacting rollers carried by said arms.

1,463,074. BOX. CHARLES AUGUSTUS FOX, New York, N. Y. Filed May 28, 1921. Serial No. 473,547. 5 Claims. (Cl. 229—43.)



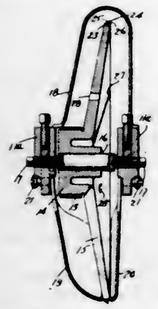
2. A box comprising tray-like sections, a lining fitted within the rim of one section over which the rim of the other section is adapted to fit, and securing elements engaging through the first named rim and lining, one rim having extension flaps to overlap the other.

1,463,075. FUR SOFTENING AND CLEANING MACHINE. SAMUEL FRIEDMAN, Brooklyn, N. Y. Filed Sept. 9, 1921. Serial No. 499,483. 15 Claims. (Cl. 15—90.)



1. In a fur softening and cleaning machine, a rotatable tumbling drum, a cushioned member, and suspension means suspending the said cushioned member within the drum in close proximity with the inner surface of the drum.

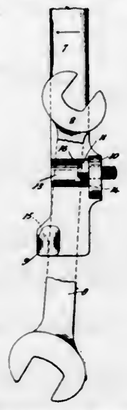
1,463,076. FLESHING MACHINE. SAMUEL FRIEDMAN, Brooklyn, N. Y. Filed Oct. 27, 1921. Serial No. 510,723. 11 Claims. (Cl. 149—15.)



6. A fleshing knife of the class described including a sectored body adapted to be contracted, and a separate annular cutter element at the periphery, said body having an annular depression in which said cutter element is detachably seated, the material of the body extending radially at the back of said groove beyond the material at the front of the groove.

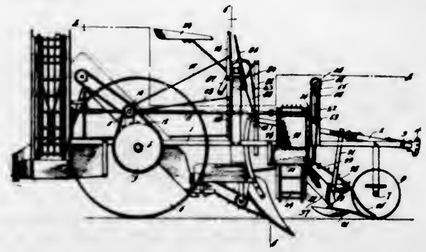
1,463,077. SPANNER. WILLIAM RALEIGH KERR GANDELL, London, England. Filed July 3, 1922. Serial No. 572,588. 3 Claims. (Cl. 81—90.)

1. A tool for applying additional leverage to a shaft of a spanner, comprising a metal bar having an abutment device adjacent one of its ends for engaging one side edge of the shaft of a spanner when a face of the latter is in juxtaposition to a face of the bar, said abutment device being located at one side of the bar and comprising a body part upstanding from the plane of its said face and lip parts projecting from the body part, one lip part extending in a direction transverse of said face and another lip part extending in a direction parallel with the longitudinal axis of that face, a second abutment device carried by the opposite side of said bar for engaging the opposite side edge of the shaft of the spanner, said second abutment device comprising a stem upstanding from the plane of said face of the bar and having a part integral therewith and projecting therefrom in a direction parallel with the longitudinal



axis of the said face and also having a second part projecting therefrom in a direction transverse of said face, substantially as described.

1,463,078. BEET HARVESTER. RONALD F. GILMORE and WILLIAM G. JOHANNSEN, Algona, Iowa. Filed July 17, 1919. Serial No. 311,421. 5 Claims. (Cl. 55—107.)



1. In a harvester of the character set forth, a standard having an enlargement at its lower end, a cutter, a tubular stem projecting from the cutter and slidably mounted on the standard and having its upper portion drawn inward to engage the enlargement of the standard to limit the movement of the cutter in one direction and an expansible helical spring mounted within the tubular stem of the cutter and normally pressing the latter downwardly.

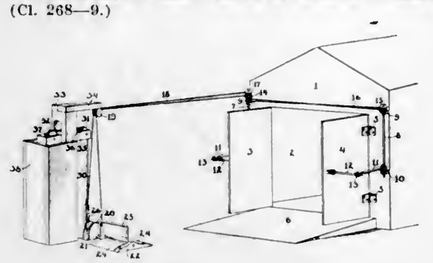
2. In a harvester of the character specified, a topping mechanism, a supporting beam therefor, and means adjustable vertically against one end of the beam for adjusting the topping mechanism vertically.

3. In a harvester of the character specified, the combination with a topping mechanism, of a supporting beam laterally adjustable at one end, and means movable vertically against the adjustable end of the beam for adjusting the topping mechanism vertically.

4. In a harvester of the character specified, a beam, a topping mechanism carried thereby, a guide on opposite sides of the beam, and means under the control of the operator for adjusting the beam vertically and laterally between the guides.

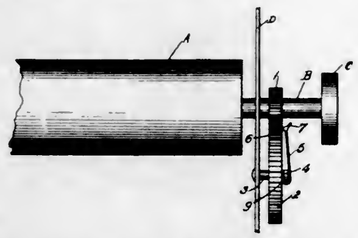
5. In a harvester of the character specified, a topping mechanism, a digger mechanism, a means joining the two mechanisms, and means for moving the beam to simultaneously adjust the mechanism vertically and laterally.

1,463,079. MEANS FOR AUTOMATICALLY OPENING DOORS OR GATES. GEORGE NEWTON GIVENS, Colfax, La., assignor of two-fifths to Charles E. Duffey, Colfax, La. Filed May 27, 1921. Serial No. 472,988. 1 Claim. (Cl. 268—9.)



In a device for automatically opening doors by vehicle wheels, vehicle wheels, the combination with swinging doors, rods mounted for rotation adjacent the doors, a lever rigidly connected at one end to a rod, a link pivotally connected at one end to the free end of the lever, with the other end of the link pivotally connected to a door, means operatively connecting the rods together for simultaneous rotation but in opposite directions, a crank pivotally mounted remote from said rods, a shaft operated by said crank, an arm operated by said shaft, a drum loosely mounted on the shaft between the arm and the crank and provided with spaced projections on the side of the drum adjacent the arm, said arm adapted to alternately engage said projections to rotate the drum in either direction, means operatively connecting the drum with one of the rotatively mounted rods for transmitting rotary motion from the drum to one of the rods, a hollow post located in protective relation to the shaft, drum, and operating arm, a weight adapted to be operated within the post, and a flexible means connecting the operating arm with the weight and supported upon the post.

1,463,080. TYPEWRITER ATTACHMENT. FRANCES GRAY, Wilkinsburg, Pa. Filed Feb. 14, 1921. Serial No. 444,747. 1 Claim. (Cl. 197—189.)

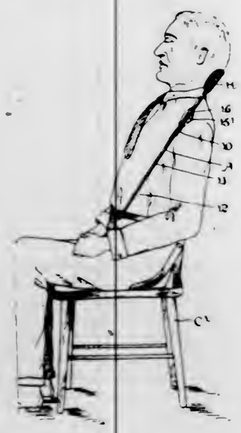


The combination with a typewriter platen, of an adjustable automatic stop including a gear revoluble with and having its axis fixed relative to the platen, another gear meshing with the platen gear, a combined stop and index extending from the axis of the driven gear and adjustable angularly to different positions on said gear, said stop and index being shiftable laterally into engagement with any of the teeth on its gear, said stop and index being movable by the rotation of the platen, into the pass between the gears to stop the rotation of the platen.

1,463,081. HEADREST. ABRAM O. HANCOCK, Richmond, Va. Filed Feb. 16, 1922. Serial No. 537,055. 4 Claims. (Cl. 155—175.)

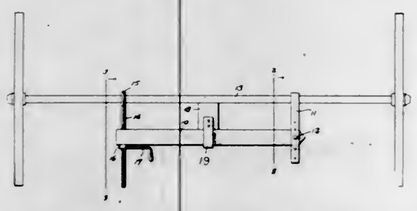
4. A device of the character described, comprising in combination, a head rest consisting in a plate member with padding upon one side thereof, a projection ad-

jacent each end of the plate and extending from the inner edge thereof, an arm pivotally connected at its one end to each extension and each arm comprising a plurality of telescopic tubular sections, the innermost section in



each instance being adapted to receive the other sections and then folded inwardly and upon the associated edge of the head rest, and a pad slidable longitudinally of the innermost tubular section of each arm for the purpose described.

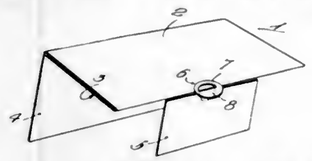
1,463,082. AXLE STRAIGHTENER. JARNETT E. HANES, Alma, Ill. Filed Oct. 20, 1921. Serial No. 509,103. 1 Claim. (Cl. 153—38.)



A device of the class described comprising a beam member having a transverse aperture at one end and a vertical aperture in the other end, a block slidably bearing on said beam adapted to engage an axle, a U-shaped strap engaging around said beam and connected to said block and slidably coupling the block to the beam, another U-shaped strap having a plurality of transverse apertures through its side portions and adapted to engage around the axle, a transverse pin engaging through one pair of the apertures of the last mentioned strap and likewise through the transverse aperture of the beam member, a threaded rod extending through the vertical aperture of the beam and having means for detachably engaging the rod at one end with the axle, and a nut device engaging the threads of the rod and bearing against the beam.

1,463,083. SEAL FOR FOLDERS. MILTON HARTMAN, Detroit, Mich., assignor to Localized Advertising Corporation, Detroit, Mich. Filed June 5, 1922. Serial No. 565,856. 2 Claims. (Cl. 229—92.5.)

1. In combination, a folder embodying a plurality of pages, a return card or the like positioned between them, and a seal folded into halves and having a tab, the tab being secured to said card and the halves being secured



respectively to the outer pages to hold them together and to maintain the card in place between them.

1,463,084. REPAIR DEVICE FOR FISHING RODS. DONALD MCCORMACK HUDSON, Bend, Oreg. Filed Sept. 8, 1921. Serial No. 499,237. 1 Claim. (Cl. 287—126.)



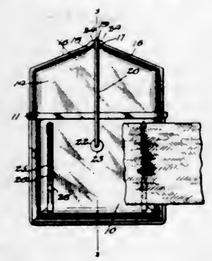
A repair device for fishing rods comprising a socket member and a ferrule member, said ferrule member being adapted for reception within said socket member, and means for attaching each of said members to its respective broken part of a fishing rod, said means consisting of a plurality of kerfs formed in the socket member and the ferrule member whereby the same are expansible to receive rods of various diameters and a collar adapted to be received by each of said members and to contact its split portion about its respective section of the fishing rod to which it is attached and cause the split portion to grip the rod to secure the respective members in position thereon.

1,463,085. HAIR-WAVING DEVICE. OSCAR J. HUNGERBÜHLER and CHARLES SCHOPPER, Far Rockaway and New York, N. Y. Filed June 22, 1922. Serial No. 570,238. 3 Claims. (Cl. 132—39.)



2. A hair curler and waver comprising an expansible tubular member upon which the hair is adapted to be wound, means extending into said tubular member for expanding the same whereby the coils of hair are drawn taut thereupon, and interengageable means at the inner end of said member, operable upon expansion of the same for locking the hair thereto.

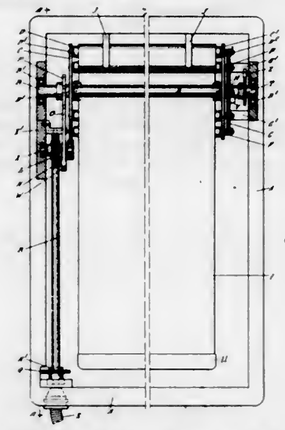
1,463,086. WATERPROOF CARRYING CASE. JACK D. KELLY, Elmhurst, N. Y. Filed Apr. 29, 1922. Serial No. 557,347. 2 Claims. (Cl. 206—41.)



2. In a waterproof carrying case of the character described, a tubular body and cover each having a closed end and an open end and adapted for telescopic associ-

ation, an externally disposed flange provided on the body adjacent the open end thereof, a resilient gasket seated on said flange with which the open end of the cover is adapted to engage when in closed position on the body, a bail pivoted to the body for longitudinal swinging movement, a pair of centrally disposed upstanding parallel beads on the cover defining therebetween a receiving depression or groove for the reception of the bight of said bail, whereby upon engagement with the cover said bail will function to impinge the open end of the cover against the gasket and said gasket will in turn function to tensionally maintain the bight of the bail within the receiving depression against casual displacement.

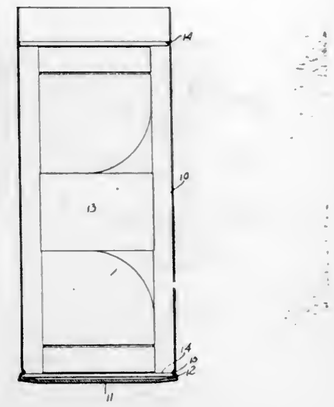
1,463,087. ROLLER-BLIND ADVERTISING DEVICE. WILHELMUS H. LEYDEKKERS and WILLIAM OLIVER RUDDLE, London, England. Filed Dec. 14, 1922. Serial No. 606,941. 3 Claims. (Cl. 40—84.)



1. An advertising device comprising in combination with a supporting frame, a shaft mounted therein a circular toothed rack fixed to the frame, said rack having a circumferentially disposed toothless notch, a pair of flat circular discs spaced apart and fixed to the shaft, a number of spindles arranged in a circular row between the discs, the opposite ends of each spindle pivoted, respectively, on the two discs, a roller on each spindle, a flexible advertisement-carrying blind attached at one end to each roller, a toothed pinion fixedly mounted at one end of each spindle, the teeth of the pinions arranged to mesh with the teeth on the rack in order to cause the rollers to travel around the rack and simultaneously rotate upon their axes in a direction to roll the blinds thereon, ratchet gear mechanism for imparting a step-by-step rotary motion to the shaft and the roller-carrying discs, each pinion in turn being adapted to pass in front of the notch on the rack thereby passing out of mesh with the rack and permitting the corresponding roller to turn in the reverse direction to allow the blind rolled thereon to unroll under the action of gravity, means comprising a shaft and worm-gear for actuating said mechanism, and means for causing the said roller to restart turning in the rolling-up direction and the teeth on its pinion to re-engage with the teeth of the rack.

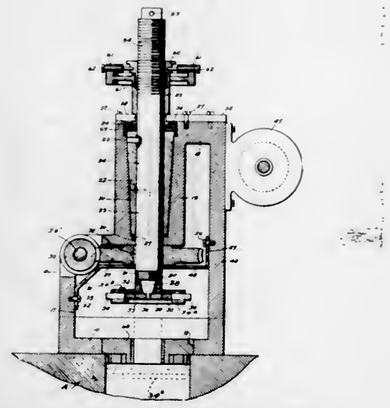
1,463,088. RECEPTACLE. FRANCIS JAY LYNCH, Bloomfield, N. J. Original application filed May 6, 1921, Serial No. 467,415. Divided and this application filed Dec. 3, 1921. Serial No. 519,623. 2 Claims. (Cl. 206—46.)

1. A receptacle including side walls, and end portions, said receptacle being adapted to house a cartridge having end flanges normally lying adjacent the end portions of said receptacle, and ridges forming a part of the side



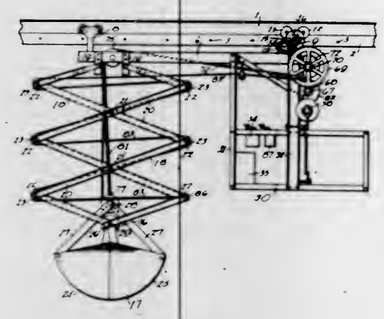
wall of said receptacle, said ridges being adapted to overlap and engage said elements to prevent a movement of said cartridge with respect to said receptacle.

1,463,089. REBORING MACHINE. DAVID L. MARTYN, Vancouver, Wash. Filed Sept. 28, 1921. Serial No. 503,866. 9 Claims. (Cl. 77—2.)



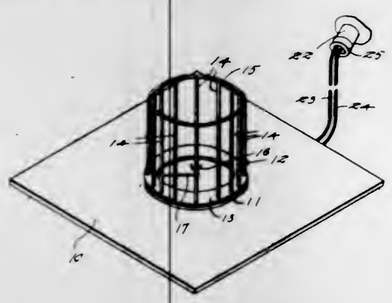
1. A re-boring machine comprising a frame including a vertical housing, a vertically disposed bearing mounted within the latter, a bearing engaging member engaging the upper end of the bearing, a compressible element mounted in said member, a boring bar extending through said bearing and housing, a grooved, bar-feeding device mounted on said element and provided with means for connection with the bar for feeding the latter, and adjustable means connected with the frame and housing and extending into the groove of the feeding device for coupling rotatably the latter with the frame and further adapted for compressing at will said element to cause a non-rotative engagement of the feeding device with the frame and a corresponding feed of the bar.

1,463,090. CLAMSHELL-BUCKET-OPERATING MECHANISM. SAMUEL OSCAR NAFZIGER, Goshen, Ind. Filed Oct. 7, 1920. Serial No. 415,248. 8 Claims. (Cl. 212—127.)



1. A device of the type described comprising a supporting rail, a frame movable along and supported by said rail, an operator's platform carried by said frame, a clam shell bucket, actuating means for said bucket carried by said platform, means connecting said bucket with said actuating means, and means carried by said frame for positively holding said bucket in a fixed position, said means comprising two lazy tongs each secured to one side of said bucket at one of their ends, and fastened to said frame at their other ends, and means for positively holding said lazy tongs in a fixed position.

1,463,091. ANIMAL TRAP. KENT PEARSON, Marion, Iowa. Filed Mar. 3, 1922. Serial No. 540,712. 2 Claims (Cl. 43—98.)

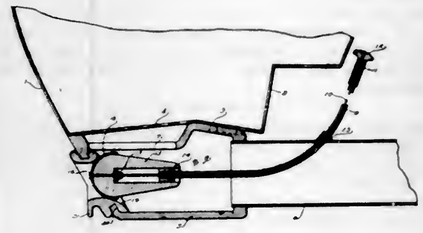


1. A trap having a base electrode, an insulating disc thereon, a bait holder insulated from said electrode and extending through said disc, an electrode on said disc, and a conductor from said bait holder to the second electrode resting on said disc.

1,463,092. LUBRICANT AND PROCESS OF PREPARING SAME. RUSSELL GEORGE PELLY, London, England, assignor to Technical Research Works, Limited, London, England. Filed Sept. 29, 1922. Serial No. 591,420. 3 Claims. (Cl. 87—9.)

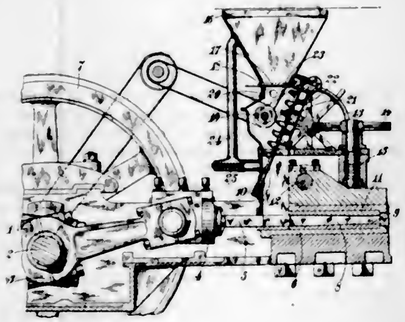
2. A composition of matter consisting of lubricating oil and aliphatic polyhydric alcohols of which the hydroxyl groups are partially replaced by acid radicals, substantially as described.

1,463,093. VALVE. JOHN W. PEARSON and JOSEPH S. POWER, Dayton, Ohio, assignors to The Davis Sewing Machine Company, Dayton, Ohio, a Corporation of Delaware. Filed Mar. 28, 1921. Serial No. 456,163. 5 Claims. (Cl. 137—139.)



1. In a valve, a casing, an exit opening, a resilient seat therein, a valve member adapted to engage with said seat, means for actuating said valve member into and out of engagement with said seat, and a drain lip on said resilient seat on the exterior of said casing.

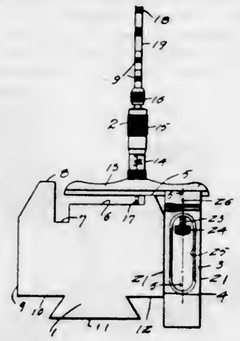
1,463,094. MANUFACTURE OF BRIQUETTES. THOMAS RIGBY, Westminster, London, England. Filed Nov. 23, 1921. Serial No. 517,300. 3 Claims. (Cl. 44—11.)



1. In a briquetting apparatus, in combination, a working chamber, a ram working therein, a hopper for material to be briquetted, means for feeding material in an uncompressed state from said hopper to the working chamber, alternative means for forcing material from said hopper into said working chamber, and means for rendering operative at will either the feeding means or the forcing means.

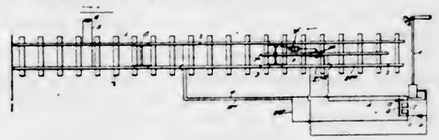
1,463,095. MICROMETER ATTACHMENT. ANDREW RUDNAY, Buffalo, N. Y. Filed Feb. 20, 1920. Serial No. 360,252. 5 Claims. (Cl. 33—169.)

1. The combination with a depth micrometer having a straight edge member to rest on a surface from which a measurement is to be taken and having a measuring post adjustable to project transversely of and beyond the straight edge member, of an arm member parallel with the post to cooperate therewith when projected beyond the straight edge member, and means adjustably mounting the



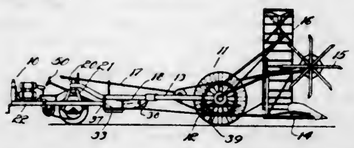
arm member for movement on the other member independently of and in a plane transversely of and relatively to the post.

1,463,096. AUTOMATIC TRAIN STOP. EMILIO R. SALAZAR, Habana, Cuba. Filed Mar. 28, 1919. Serial No. 285,831. 3 Claims. (Cl. 246—187.)



1. The combination of a locomotive steam pipe, a cut-off valve complementary thereto, an explosion chamber, a conduit intermediate said chamber and the casing of said cut-off valve, means in the explosion chamber for holding an explosive charge, and means for igniting such charge to bring about movement of the cut-off valve to close the pipe.

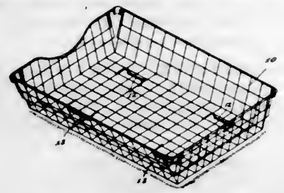
1,463,097. POWER DRIVE UNIT FOR AGRICULTURAL IMPLEMENTS. HERMAN L. SCHNEIDER, Glen Ullin, N. Dak., assignor of one-half to Lena Miller, Chicago, Ill. Filed Feb. 11, 1922. Serial No. 535,762. 25 Claims. (Cl. 180—13.)



1. The combination with a push operated implement having a rearwardly extending tongue, of a pusher frame, pivotally connected to said tongue, a single wheel between the sides of said frame to support the same for swivel movement, means on said frame to drive said wheel, and means between said frame and said implement for steadying the frame.

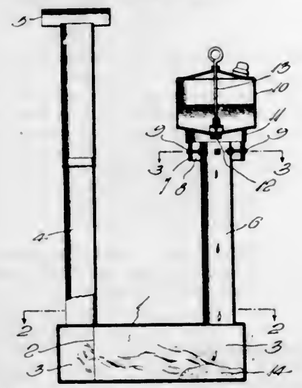
1,463,098. DETACHABLE FOOT FOR WIRE TRAYS. FRANK M. SNYDER, Lafayette, Ind., assignor to The Peerless Wire Goods Company, Lafayette, Ind., a Corporation of Indiana. Filed Apr. 25, 1921, Serial No. 464,475. Renewed June 9, 1923. 5 Claims. (Cl. 220—69.)

5. A detachable foot for wire stays, comprising a wire having an intermediate portion, end portions connected to the ends of the intermediate portion and provided with hooks arranged to hook upon two parallel wires of a tray bottom, and a transverse portion extending from the end of an end portion transversely thereto and provided at its



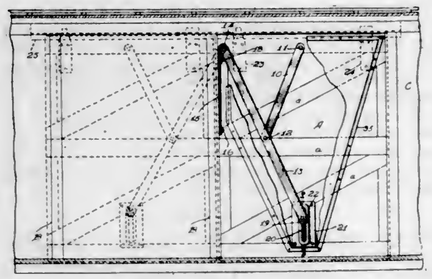
end with an upwardly open hook adapted to hook beneath a tray-bottom wire transverse to the first-named tray-bottom wires.

1,463,099. STOCK TANK HEATER. ALBERT L. STEINKE, Pipestone, Minn. Filed Mar. 15, 1923. Serial No. 625,319. 2 Claims. (Cl. 126—360.)



1. A tank heater having an upstanding air inlet pipe, a circular open-ended sleeve surrounding and spaced from the upper end of said pipe, said sleeve extending above said pipe and terminating in a horizontal plane, means rigidly mounting said sleeve on said pipe, an oil tank resting on said sleeve and having a valved drip outlet discharging into said pipe, and an annular flange on the lower end of said tank frictionally engaging said sleeve to hold the tank in place.

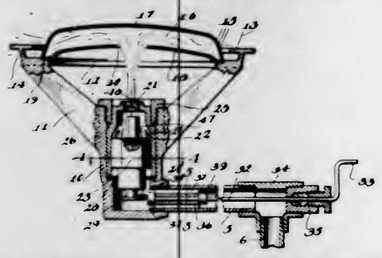
1,463,100. DOOR HANGING AND SECURING MEANS. JOHN H. STEWART, Rutherford, N. J. Filed Mar. 25, 1921. Serial No. 455,391. 21 Claims. (Cl. 20—23.)



6. In combination with a structure, and a sliding door thereon, movable transversely into or away from the doorway in addition to the sliding movements, and sus-

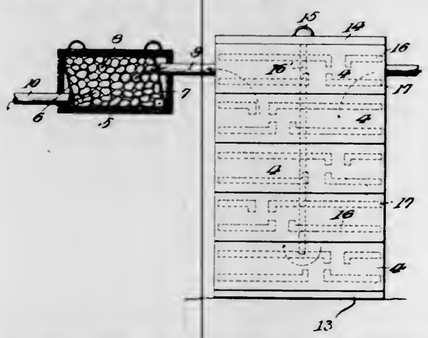
pension means pivotally secured to said door and to said structure to swing in a plane approximately parallel with the plane of the door and to swing transversely to the plane of the door to be thus constrained to conform to the sliding and transverse movements of the door.

1,463,101. VAPOR BURNER. OSCAR I. STRAUB, Buffalo, N. Y., and FREDERICK G. WAHL, Detroit, Mich; said Wahl assignor to said Straub. Filed May 1, 1922. Serial No. 557,522. 3 Claims. (Cl. 158—68.)



2. A vapor burner comprising a burner structure, a retort, heating means at the burner extending to the retort, means to place the lower part of the retort in communication with a source of liquid fuel supply under pressure, a liner having a closed top and an open bottom mounted in said retort, means to hold the liner in place, a cap in the top of the liner having an orifice, and a plunger mounted to reciprocate in the liner and having a pin fitting slidably in the orifice, substantially as described.

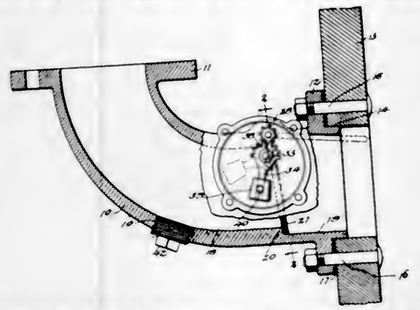
1,463,102. ASEPTIC TANK. GEORGE B. STRYKER, Jr., Memphis, Tenn. Filed Sept. 25, 1919. Serial No. 326,233. 1 Claim. (Cl. 72—13.)



An aseptic tank comprising a plurality of rectangular sections or units constructed of plastic material, metal re-enforcing bars embedded within said sections, said bars being of right angle construction and located with their respective angular portions at the corresponding angular portions of said sections, said re-enforcing bars being of relatively different lengths and arranged in superposed horizontal rows in each of said sections, the longer length bars overlapping the shorter length bars, and said sections having inter-engaging tongue and grooved portions and assembled in superposed relation, substantially as set forth.

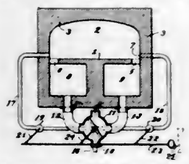
1,463,103. CLAPPER VALVE. ALFRED F. THORSTEN, Brooklyn, N. Y. Filed Apr. 18, 1922. Serial No. 555,522. 4 Claims. (Cl. 251—126.)

1. A clapper valve for the outboard discharge of soil, waste, or the like, from ships, comprising a valve casing having an inner restricted bore and an outer relatively enlarged bore forming at their juncture an internal shoulder constituting a seat, a clapper swingingly mounted within the enlarged bore adjacent said seat for inward swinging movement thereagainst to a closed position, a shaft connected to said clapper and extending through one of the side walls of the casing for swingingly mounting said clapper therein, a weighted element



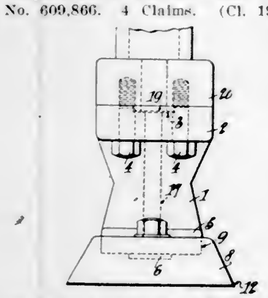
mounted for swinging movement exteriorly of the casing and adjacent the protruding extremity of the shaft, interengageable means on the protruding extremity of said shaft and said weighted element for gravitationally rotating the shaft to normally effect the closing of the clapper against its seat, and a housing provided on the side of said casing for housing the exteriorly disposed elements.

1,463,104. GAS FIRED FURNACE. WALTER RATLEDGE TWIGG, Luton, England. Filed Mar. 29, 1918. Serial No. 225,501. 11 Claims. (Cl. 158—7.5.)



1. A reversible regenerative furnace comprising a furnace structure having a hearth, pressure air regenerator chambers provided underneath the said hearth and within the furnace structure, means to deliver pressure air to the regenerator chambers, means to deliver coal gas to the furnace combustion chamber, openings in the furnace hearth adjacent the outlet end of the gas delivering means to permit admixture of air and gas for combustion, and means to effect reversal of the direction of the flow of the gas and air.

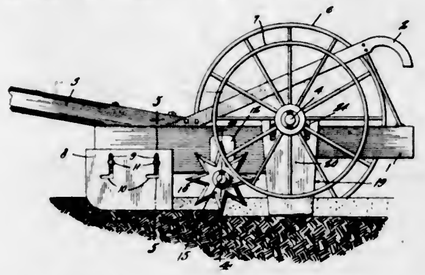
1,463,105. PLUNGER SHOE. JEAN FRANCIS WEBB, Jr., New York, N. Y., assignor to The International Signal Co., a Corporation of Arizona. Filed Dec. 30, 1922. Serial No. 609,866. 4 Claims. (Cl. 191—49.)



4. A contact shoe comprising a shank having an upper base and a lower base, means connecting the upper base

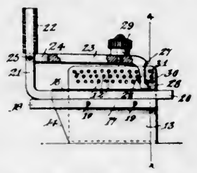
to a plunger, said lower base being cylindrical and having screw holes, a sole plate recessed to receive said lower base, said sole plate being circular in outline, said lower base and said sole plate having screw receiving holes, those of the plate being multiples of those of the base whereby the plate may be adjusted around the ends of the shank for purpose of wear, said plate having a circuitous groove in its bottom to provide an outer contact surface and an inner contact surface the width of the inner contact surface approximating that of the track ramp with which the shoe is adapted to engage.

1,463,106. SOD-CUTTING PLOW. JOSEPH F. WEBER, Lansing, Mich. Filed Sept. 25, 1922. Serial No. 590,464. 4 Claims. (Cl. 97—22.)



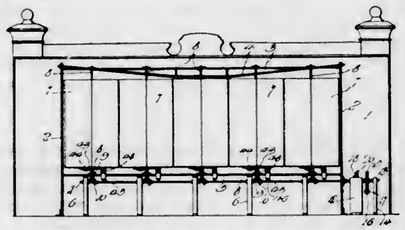
1. A device of the class described comprising a wheel mounted frame; guides; means for mounting the guides on the frame for vertical adjustment; rotary cutters journaled on the frame and located to the rear of the guides; and angular undercutters carried by the frame and disposed to the rear of the rotary cutters.

1,463,107. TONE-ARM STOP. ROBERT H. WEITERSHAUSEN, Pittsburgh, Pa. Filed Aug. 4, 1922. Serial No. 579,692. 10 Claims. (Cl. 274—9.)



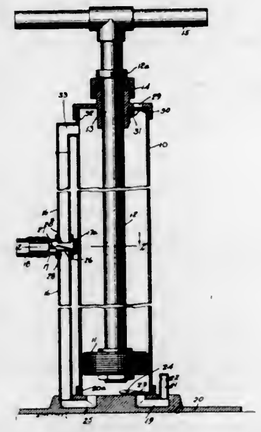
1. A device for the purpose set forth comprising a supporting means provided with openings, a stop element selectively engaging in certain of said openings, and an adjustable combined needle positioning and tone arm arresting element slidably mounted in said means and cooperating with said stop element.

1,463,108. CHANGE-SIGN DEVICE. RALPH A. WILLISON and CLIFFORD N. ESBERG, Portland, Oreg. Filed July 6, 1922. Serial No. 573,096. 10 Claims. (Cl. 40—76.)



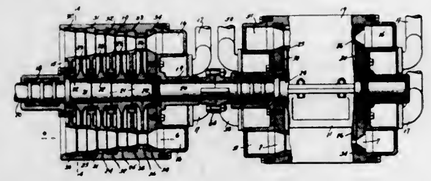
1. A sign including a movable sign element, means for causing intermittent movement of said sign element, cam elements spaced from each other a distance corresponding to the intermittent movemeit of said sign element and each having oppositely acting portions, and spring actuated means for engaging said cam elements and retarding movement of said sign element when movement thereof is about to cease and assisting movement of the sign element when movement thereof is again started.

1,463,109. AIR PUMP. EPHRAIM WITMAN, Sinking Spring, Pa. Filed Sept. 16, 1921. Serial No. 501,013. 1 Claim. (Cl. 230—27.)



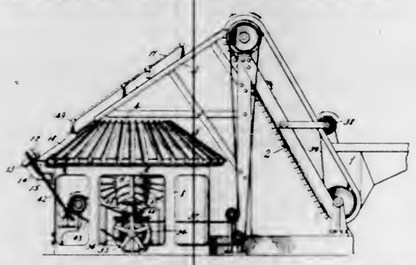
In an air pump of the class described, a cylinder, a base and a cap for said cylinder, a piston in said cylinder, an air intake opening in the cap and in the base, a hinged check valve for each of said openings disposed interiorly of said cylinder, said base having a passageway communicating the inner chamber of the cylinder with the outside, said cylinder being formed with an opening adjacent its top end, a tube extending to said passageway, a second tube extending to said opening, a fitting having a nipple adapted to receive a rubber hose connecting said two tubes together adjacent the transverse and medial plane of the cylinder, and a hinged valve in said fitting adapted to alternately move in the front of said tube in response to the movement of the piston.

1,463,110. ROTARY FLUID-PRESSURE PRODUCING APPARATUS. ALBERT J. WORTHEN, San Francisco, Calif. Filed Nov. 4, 1921. Serial No. 512,742. 4 Claims. (Cl. 230—11.)



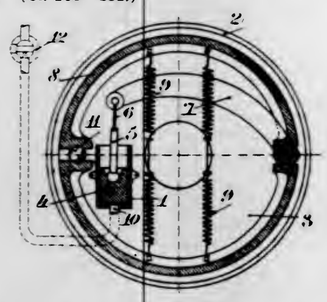
1. In a rotary fluid pressure producing apparatus, a plurality of velocity producing wheels mounted to rotate in unison and spaced apart, successive wheels having vanes set at gradually increasing angles relative to the movement of the wheels, and stationary velocity-producing diaphragms between the said wheels, successive diaphragms having passages gradually decreasing in size, one of the wheels having passages established by vanes having substantially plane surfaces at substantially right angles to the direction of movement of the wheel.

1,463,111. MACHINE FOR TREATING FISH. MAURICE J. ABBOTT, New York, N. Y., assignor to American Can Company, New York, N. Y., a Corporation of New Jersey. Filed Dec. 10, 1917, Serial No. 206,517. Renewed Jan. 8, 1923. 34 Claims. (Cl. 17—10.)



1. In a fish positioning machine, a rotatable carrier having downwardly and outwardly extending fish-guiding devices whereby centrifugal tendency is imported to the fish to promote their sliding away from the axis of rotation, and means for automatically positioning the fish head first and delivering them in that direction at the inner ends of said guiding devices.

1,463,112. VEHICLE BRAKE. MARIUS ADENOT, Caluire, France, assignor to Société Lyonnaise d'Industrie Mécanique, Caluire, Rhone, France, a Corporation of France. Filed Feb. 9, 1921. Serial No. 443,679. 1 Claim. (Cl. 188—151.)



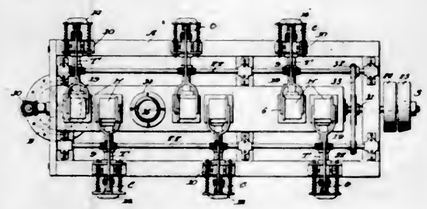
In a vehicle brake the combination of a rotatable drum, a non-rotatable support within said drum, a pneumatic cylinder carried by said support open at one end, a plunger in said cylinder having a socket, two approximately semi-circular brake shoes fulcrumed upon said support close to said cylinder and adapted to coact with said drum, a cam lever engaging between the free ends of said brake shoes, adapted to rock same apart for engaging the drum, a rod having one end connected to said cam lever and having at the other end a ball engaging the socket in said plunger, and springs for retracting the brake shoes from the drum, the open end of the cylinder leaving a clearance around said rod, whereby said rod is enabled to rock.

1,463,113. BAG CLOSURE. OTIS BIBB, Louisville, Ky. Filed Apr. 14, 1921. Serial No. 461,257. 11 Claims. (Cl. 150—3.)



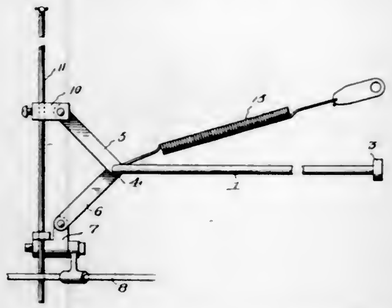
2. A bag closure comprising four flat members arranged within a bag and substantially in the plane of the opening thereof, pivotal connections between the adjacent ends of said members whereby two oppositely disposed toggles are formed, means for attaching the members to the bag and means for urging the toggles to closed position.

1,463,114. CORING MACHINE. EARNST A. BOSTROM, Griffin, Ga., assignor to Pomona Products Company, Griffin, Ga., a Corporation of Georgia. Filed June 18, 1921. Serial No. 478,609. 12 Claims. (Cl. 146—52.)



1. In combination, a vacuum chamber and means for maintaining a vacuum therein, a suction tube operatively connected at one end with said vacuum chamber and having its other end open and exposed without enclosure, a tubular cutter head on said outer end adapted to cut into the end of pimento peppers, said cutter head being so propertioned that air under atmospheric pressure will pass into the fruit and carry back the seed into the suction tube through the inside of the cutter head, substantially as set forth.

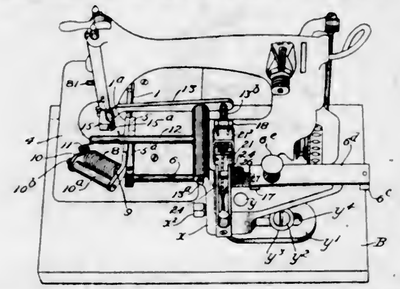
1,463,115. ACCELERATOR FOOT THROTTLE. HARRY LENDELL CARNAHAN, Centralia, Mo. Filed Feb. 28, 1921. Serial No. 448,597. 4 Claims. (Cl. 74—39.)



1. In a foot accelerator for controlling throttle movement of an engine, a control rod, a throttle operating rod, links connected to said control rod, one of said links limited to a pivotal movement, the other of said links being fixed to said throttle operating rod for operating same upon movement of the control rod, a return spring connected to said links for returning the throttle operating rod, links and control rod to normal position, said spring arranged to provide steadying resistance to the operation of said control and throttle rods.

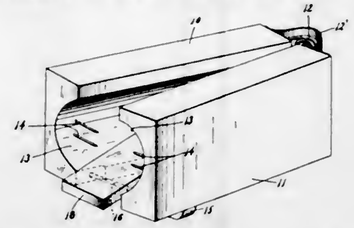
1,463,116. SEWING-MACHINE ATTACHMENT FOR SPIRAL STITCHING. ANALDO M. ENGLISH, Brookline, Mass., assignor to Cummings Machine Works, Boston, Mass., a Corporation of Massachusetts. Filed Feb. 26, 1921. Serial No. 447,912. 19 Claims. (Cl. 112—2.)

1. A sewing machine attachment for spiral stitching comprising a cloth-guide and means adapted to be actuated through the reciprocating movement of a sewing machine needle-bar to give a progressive lateral move-



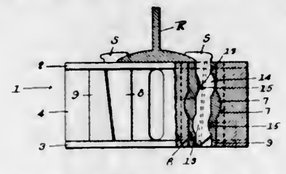
ment to the said cloth-guide to cause the stitches made by the machine to form a spiral course.

1,463,117. TRAP. ALFRED R. GILMORE and GATES R. CARSON, Red Rock, Pa. Filed Mar. 24, 1922. Serial No. 546,376. 1 Claim. (Cl. 43—88.)



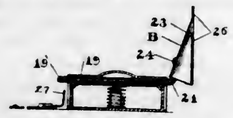
A trap of the character described comprising two identically constructed sections defining a trip body of elongated contour, and having a longitudinal bore open at one end and closed at the other end of the trap, yieldable means connecting the sections together at one end for pivotal movement toward and away from each other, pointed prongs projecting from each section within said bore, a rod projecting from the inner edge of one section, the corresponding edge of the other section having an opening receiving said rod, and a combined bait holder and trip element fulcrumed on said rod and disposed to be positioned between said edges of said sections to hold the latter spaced apart when the trap is set.

1,463,118. RAIL CHAIR. WILLIAM R. GORRELL and HENRY BARKSCHAT, Los Angeles, Calif. Filed Oct. 26, 1922. Serial No. 597,198. 2 Claims. (Cl. 238—274.)



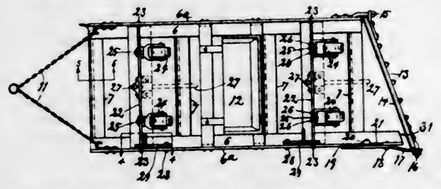
1. In a rail chair, the combination of a rail-supporting member having an opening extending vertically therethrough, an expansible, invertible, rail spike-receiving clamp disposed in said opening, and inter-engaging elements carried by said member and said clamp for locking the latter in said opening when in expanded position, said elements being positioned upon said member and said clamp so that the latter may be inverted in said opening.

1,463,119. SCREEN-DOOR CLIP. JOHN HEARD, Strathroy, Ontario, Canada. Filed Sept. 25, 1922. Serial No. 590,282. 9 Claims. (Cl. 292—74.)



1. A screen door clip comprising a receiving member adapted to be secured upon a door frame, said receiving member including a casing, a spring pressed plate cooperating with said casing and an engaging member adapted to be fixed to the door, said engaging member including a projecting staple portion for engagement between the spring pressed plate and the opposite portion of the casing.

1,463,120. ROAD PLANE. WILLIAM H. JENNINGS, St. Paul, Minn., assignor of one-half to Leo Levy, St. Paul, Minn. Filed Dec. 12, 1921. Serial No. 521,914. 1 Claim. (Cl. 37—153.)



A road planer comprising an elongated skeleton frame adapted to be drawn endwise, a series of transverse scraper blades fixed to the under side of the frame and a diagonally arranged, vertically disposed scraper blade hingedly attached to one of the rear corners of the frame, and means carried by the other rear corner of the frame and operatively attached to the adjacent end of the diagonal board for raising and holding it raised to various positions, said frame having transverse angle bars and bolts passed through said angle bars and the scraper blades to make the blades detachable for grinding or repairing.

1,463,121. WINDOW SCREEN. GEORGE W. JOHNSTON, Washington, D. C. Filed Apr. 18, 1922. Serial No. 554,711. 6 Claims. (Cl. 156—14.)



4. In a building structure including a wall and opening therethrough, the combination with a closure for said opening, of a recess formed in said wall in a plane par-

allel to said closure, a screen adapted to slide entirely within said recess, and be extended therefrom to cover any portion of said opening, and a stop-member controlled by the movements of the screen for simultaneously sealing the outer end of said recess and the upper edge of the closure when said screen is wholly extended from said recess.

1,463,122. PROCESS FOR MAKING TURPENTINE SUBSTITUTE AND PRODUCT THEREFROM. WILLIAM BURNS LOGAN, De Quincy, La., assignor to Acme Products Company, Inc., New Orleans, La., a Corporation of Louisiana. Filed Nov. 23, 1922. Serial No. 602,887. 10 Claims. (Cl. 134—56.)

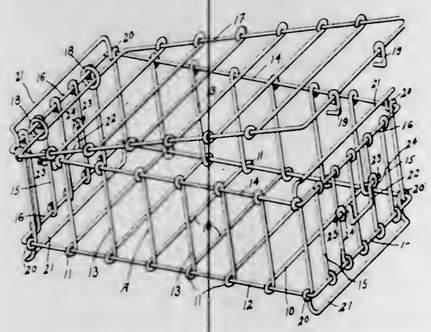
1. A process of making a turpentine substitute which comprises subjecting vapors of pine oil to the action of a catalyst comprising a copper chlorid, at a temperature between about 225° and 350° C., condensing the vapors, separating water therefrom, fractionaly distilling the condensate, and collecting the fraction distilling up to about 200° C.

8. A turpentine substitute, which comprises a liquid material of turpentine-like appearance, having a specific gravity between .85 and .86, containing about 90% of dipentenes, having an index of refraction of about 1.475 to 1.477 at 20° C., such material boiling at about 175° C., about 75% of the whole boiling below 180° C., and 95% boiling at not above 190° C.

1,463,123. BUILDING-MATERIAL COMPOSITION. FREDRICK J. MCALLISTER, Elyria, Ohio, assignor of one-eighth to A. E. Simmons and one-eighth to Frank Henke, both of Elyria, Ohio. Filed Aug. 9, 1922. Serial No. 580,760. 4 Claims. (Cl. 106—24.)

1. A composition of matter comprising a fibrous material, 30 to 50 per cent; hydraulic settable cement, 25 to 35 per cent; lime, 5 to 10 per cent; alum, 1 to 5 per cent, and silicious material, 4 to 35 per cent.

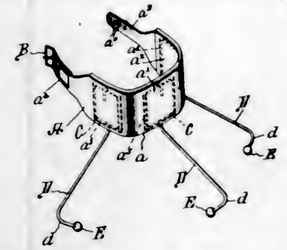
1,463,124. BAKING FRAME. JOHN J. MCCONNELL, Rockford, Ill. Filed Apr. 18, 1922. Serial No. 554,593. 2 Claims. (Cl. 53—6.)



1. A cooking utensil of the character described comprising a wire basket including opposed sides and end walls, a cover hinged upon one end wall, means carried by the cover for engaging the opposite end wall for holding the cover in its closed position, and the wire forming the outline of said end walls being extended above and below the basket and transversely thereof to provide supports, whereby the basket can be supported with either its bottom or top uppermost for the purpose specified.

1,463,125. BABY GUARD. ERNEST HUBERT MADERE, Hahnville, La., assignor to Bienville Manufacturing Company Inc., New Orleans, La. Filed Sept. 27, 1922. Serial No. 590,827. 2 Claims. (Cl. 155—189.)

1. A protecting guard for young children, comprising a broad flexible adjustment band adapted to go around the body of the child beneath the shoulders, and extending downwards from the shoulders and supporting the back



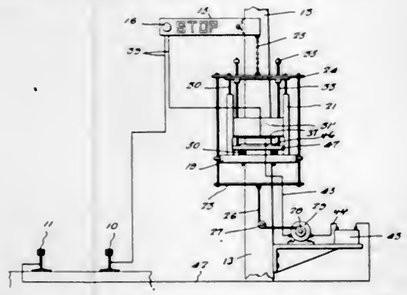
and sides of the child, with a plurality of divergent resilient legs secured to and projecting downwards from said band at the sides and rear thereof.

1,463,126. SASH WEIGHT. JOHN F. MAKEPEACE, Sanford, N. C. Filed Dec. 16, 1922. Serial No. 607,360. 1 Claim. (Cl. 16—216.)



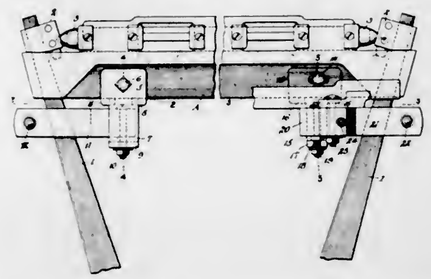
A sash weight comprising a hollow member of rectangular formation in cross section, the corners of said member at the upper end thereof being slotted, the upper end of each wall of said member being bent inwardly for the purpose specified, two of said inwardly bent portions having openings, and a cord attached to the yoke and having its free end received by said opening.

1,463,127. CROSSING SIGNAL. JOSEPH A. MANTA, Provincetown, Mass. Filed Apr. 18, 1922. Serial No. 554,627. 5 Claims. (Cl. 246—128.)



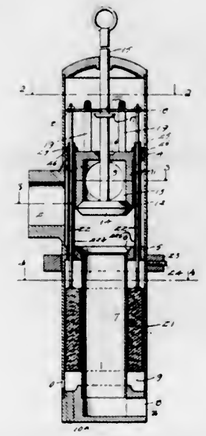
1. A signalling device of the character described comprising a stationary member, guide means carried thereby, a movable frame slidably associated with said guide means, a pivoted semaphore blade normally arranged in inclined position, a flexible connection between the shorter end of the semaphore blade and the top of said frame, an electric moter and means driven thereby connected with the bottom of the movable frame, a pair of rail sections insulated from the other rail sections of a trackway, and normally engaged contact members moved out of contacting relation by movement of the movable frame interposed in circuit with said insulated rail sections and said motor and a source of current.

1,463,128. PICKER-STICK CHECK. AMEDEE MASSEY and AARON BENSON, Norwich, Conn. Filed Nov. 28, 1921. Serial No. 518,393. 2 Claims. (Cl. 139—165.)



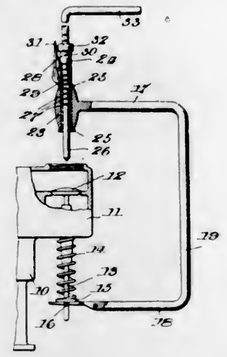
1. In check mechanism, the combination of a loom, a body portion having a head secured to the loom, parallel spaced arms secured to the body, a bolt for securing the arms to each other, washers arranged on the bolt between the arms, a head secured on the arms and means for securing the head to said arms.

1,463,129. AUTOMATIC FLUID CONTROL. WILLIAM H. MILTON and FRED SCHERMER, Muscatine, Iowa. Filed June 3, 1921. Serial No. 474,797. 5 Claims. (Cl. 226—127.)



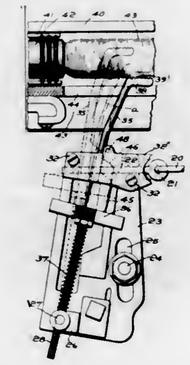
1. An automatic fluid control comprising a casing having an inlet, an outlet and a discharge, a valve within the casing and adapted to cut off communication between the inlet and the outlet or between the inlet and the said discharge, a holder for maintaining the valve in position to cut off communication between the inlet and outlet, and a float for actuating said holder to effect release of the valve which automatically operates to cut off communication between the inlet and discharge and establish communication between the inlet and the outlet.

1,463,130. TOOL FOR REMOVING VALVES. JAMES B. MORRIS, Nashville, Tenn. Filed July 3, 1922. Serial No. 572,646. 11 Claims. (Cl. 29—86.3.)



1. In a valve-releasing tool, a bar, a spring-engaging member mounted thereon, mechanism cooperating with said bar to move said spring engaging member longitudinally of the stem of said valve, said mechanism having handle-parts for its manual operation adjustable to varying angles with respect to said bar and adapted for complete operation of said mechanism in any of said positions of angular adjustment.

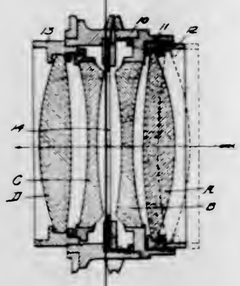
1,463,131. FEELER MECHANISM FOR LOOMS. ISAAC SNOW, Lawrence, Mass., assignor to Draper Corporation, Hopedale, Mass., a Corporation of Maine. Filed Mar. 29, 1922. Serial No. 547,689. 8 Claims. (Cl. 139—281.)



1. In a feeler mechanism for looms, the combination of a feeler mounted for movement in a direction longitudinally of the shuttle to effect by such longitudinal movement replenishment of filling, a transmitter, an enlarged portion carried by the feeler and normally engaged with the transmitter when the feeler is in rearward feeling position and moved out of engagement with the transmitter by a working supply of filling in the

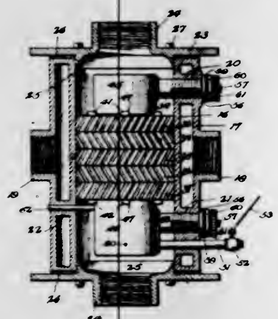
properly boxed shuttle on a detecting beat, and a stop which limits the lateral movement of the feeler to an extent insufficient to actuate the transmitter when the enlarged portion of the feeler is moved out of engagement with the transmitter.

1,463,132. PHOTOGRAPHIC OBJECTIVE. CHRISTOPHER GRAF, South Bend, Ind., assignor to Richard Graf, South Bend, Ind. Filed Jan. 5, 1922. Serial No. 527,241. 7 Claims. (Cl. 88—57.)



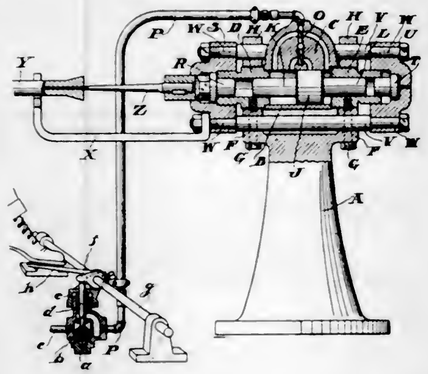
7. A photographic lens of the anastigmat type comprising a fixed back combination, and an adjustable front combination, said front combination comprising two lenses separated by an air space and movable relatively to each other, the arrangement being such that when the lenses of the front combination are in their relative position closest to each other, an image of a desired maximum degree of diffusion is produced, and that when they are moved away from each other, an increasingly sharper image is produced.

1,463,133. FUEL-MIXTURE HEATING AND VAPORIZING DEVICE. WILLIAM WALLACE GRANT, Brooklyn, N. Y.; Helen M. W. Grant administratrix of said William Wallace Grant, deceased. Filed Nov. 27, 1920. Serial No. 426,708. 17 Claims. (Cl. 219—38.)



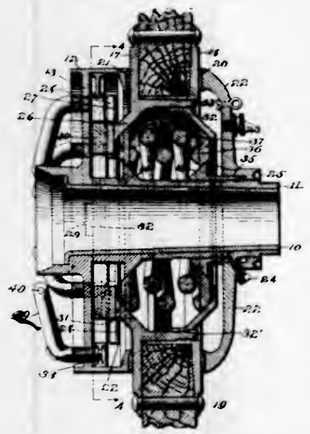
1. A fuel mixture heating and vaporizing device comprising an individual heating unit adapted to be interposed in an engine fuel mixture supply line to form a continuation thereof and including a casing, means interiorly of the casing for heating said casing, means exteriorly of the casing whereby the casing may be heated, and a shell surrounding the casing for conducting a fuel mixture over and around the casing in contact therewith.

1,463,134. SHANK AND BIT PUNCH. HARRY VERCOE HAIGHT, Sherbrooke, Quebec, Canada, assignor to Ingersoll-Rand Company, Jersey City, N. J., a Corporation of New Jersey. Filed June 19, 1922. Serial No. 569,474. 6 Claims. (Cl. 76—5.)



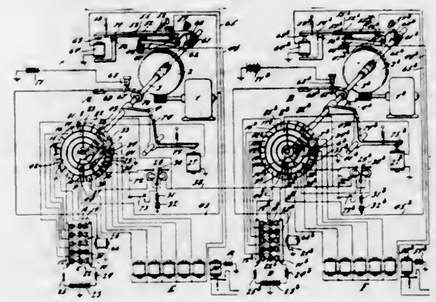
1. In a fluid actuated machine for punching hollow articles, the combination of a cylinder and double-ended reciprocating hammer piston, anvil blocks separate from the piston at each end of the cylinder, one anvil block being adapted to carry a pin, and means for causing the piston to impart blows of impact to one or the other of the said anvil blocks according to the direction in which the pin is to be driven.

1,463,135. SPRING WHEEL. BRADFORD B. HOLMES, U. S. Army. Filed Aug. 21, 1919. Serial No. 318,956. 4 Claims. (Cl. 152—45.) (Filed under the act of Mar. 3, 1883, 22 Stat. L., 625.)



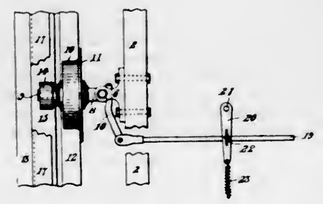
3. In a spring wheel, a spoke holding portion comprising a side plate having an extension forming a conical surface, a plate having a conical surface and adjustably connected to said side plate, a hub portion having a fixed and an adjustable member, supporting plates co-acting with the conical surfaces of said plates and said fixed and adjustable members, and spring means for holding said plates yieldingly in position.

1,463,136. METHOD OF AND APPARATUS FOR OPERATING PRINTING TELEGRAPHS. EDWARD E. KLEINSCHMIDT, Brooklyn, N. Y., assignor to The Kleinschmidt Electric Company, a Corporation of New York. Filed May 1, 1919. Serial No. 293,949. 8 Claims. (Cl. 178—33.)



1. A printing telegraph system comprising a rotary distributor divided into signal receiving and transmitting sections, a stop position for said distributor immediately preceding said signal receiving section, means for transmitting a start impulse immediately preceding said signal transmitting section, a start-stop magnet for said distributor, a receiving relay adapted to complete local energizing circuits through said start magnet and said receiving distributor section, and a shunt circuit around said receiving relay arranged to permit the completion of a local energizing circuit through said start relay.

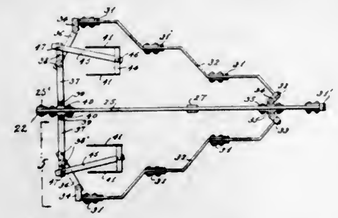
1,463,137. ROLLER COASTER. STANLEY MAKEPEACE, Milwaukee, Wis., assignor to Castalia Gardens, Inc., Milwaukee, Wis., a Corporation of Wisconsin. Filed Aug. 8, 1922. Serial No. 580,427. 6 Claims. (Cl. 105—169.)



1. In a roller coaster car and track structure, a car having bracket mountings at opposite sides thereof, stub axle steering knuckles journalled in the bracket mountings, supporting wheels upon the stub axles, guard rollers associated with the supporting wheels, track rails supporting the wheels, and resiliently mounted means connecting the steering knuckles at opposite sides of the car to cause the supporting wheels to follow the track rail and permit movement of the car relative to the supporting wheels.

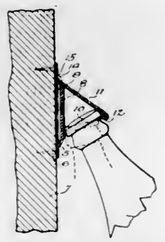
1,463,138. CULTIVATOR. ARTHUR W. REYNOLDS, Newtown, Conn. Filed July 12, 1921. Serial No. 484,042. 5 Claims. (Cl. 97—154.)

1. In a sulky cultivator of the character described, a center bar, a side bar pivotally secured thereto and carrying cultivator teeth and means for swinging said side bar on its pivot toward or from said center bar, said means comprising links and levers pivotally connecting



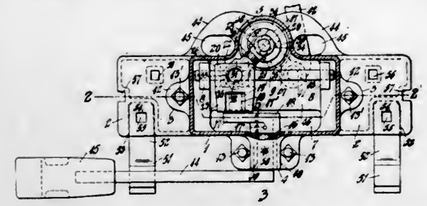
said side and center bar, a push rod for manipulating said parts, and a stirrup device movable in a direction in line with said center bar for operating said push rod.

1,463,139. BOTTLE CAP REMOVER. TURNER C. RUSH, Lexington, Ky., assignor to Fredric Grant Erd, Lexington, Ky. Filed Oct. 11, 1922. Serial No. 593,877. 6 Claims. (Cl. 65—46.)



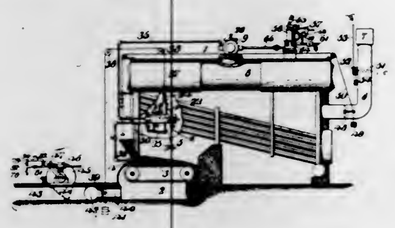
1. In a bottle cap removing device, an element having means to secure it to a wall or other support, and a cap removing element slidably and pivotally engaged with the first named element and movable to a closed inoperative position approximately parallel with the plane of the first named element and to a cap removing position projecting at an angle to said plane.

1,463,140. SWITCH STAND. FRANK C. ANDERSON, Cincinnati, Ohio, assignor to The American Valve and Meter Company, Cincinnati, Ohio, a Corporation of Ohio. Filed Mar. 12, 1923. Serial No. 624,496. 21 Claims. (Cl. 246—411.)



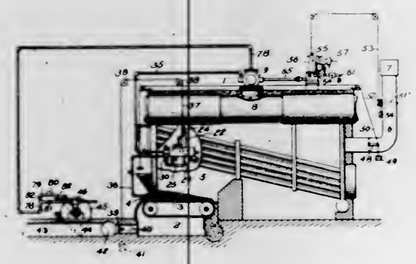
1. In a switch-stand, mechanism comprising a lever and rack-actuating means coaxially connected, a rack engaged by said rack-actuating means, a switch-throwing crank, and an intermediate crank arm pivoted to said rack and radially slidably connected to said switch-throwing crank for rotation thereof incident to sliding of said rack.

1,463,141. METHOD OF CONTROLLING COMBUSTION. FRANCIS H. BROWN, Philadelphia, Pa., assignor, by mesne assignments, to The Hagan Corporation, Pittsburgh, Pa., a Corporation of Pennsylvania. Filed Mar. 28, 1917, Serial No. 157,921. Renewed Apr. 16, 1923. 7 Claims. (Cl. 236—14.)



1. The method of controlling the feed of fuel to a furnace which consists in automatically regulating the fuel feed by and in accordance with variations in furnace pressure.

1,463,142. APPARATUS FOR CONTROLLING COMBUSTION. FRANCIS H. BROWN, Glenolden, Pa., assignor, by mesne assignments, to The Hagan Corporation, Pittsburgh, Pa., a Corporation of Pennsylvania. Original application filed Mar. 28, 1917, Serial No. 157,921. Divided and this application filed Oct. 30, 1920. Serial No. 420,619. 17 Claims. (Cl. 236—14.)

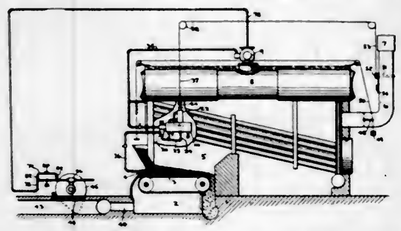


1. In an apparatus for controlling combustion, the combination of a furnace, means for feeding fuel into the furnace and means for regulating the feed of fuel by and in accordance with variations in furnace pressure.

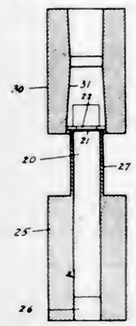
1,463,143. CONTROLLING COMBUSTION. FRANCIS H. BROWN, Ridley Park, Pa., assignor, by mesne assignments, to The Hagan Corporation, Pittsburgh, Pa., a Corporation of Pennsylvania. Original application filed Mar. 28, 1917, Serial No. 157,921. Divided and this application filed June 21, 1922. Serial No. 569,999. 16 Claims. (Cl. 236—14.)

11. The method of operating boiler furnaces which consists in maintaining a substantially uniform furnace gas pressure for varying rates of combustion and regulating the rate of fuel feed in accordance with the rate of outflow of the furnace gases.

16. A furnace having in combination therewith a stoker for feeding fuel thereto, air impelling means for furnishing draft, means for controlling the air impelling means by the steam pressure of the boiler, means for controlling the stoker in accordance with the variations of the air impelling means, and means for maintaining substantially uniform pressure in the furnace for varying rates of combustion which last named means also varies the relative speed of the stoker to that of the air impelling means.

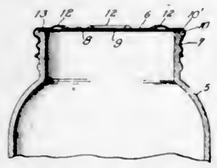


1,463,144. MANUFACTURE OF SHAFTS. JOHN J. CARTER, Anderson, Ind., assignor to The Remy Electric Company, a Corporation of Indiana. Filed Jan. 26, 1920. Serial No. 353,928. 2 Claims. (Cl. 29—148.)



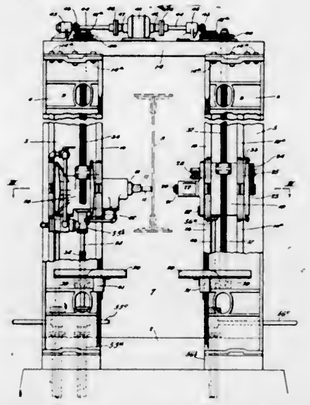
1. The process of manufacture of a shaft having a shoulder which consists in providing the shaft with a groove; in making a washer having a thickness less than the width of the groove, and an internal diameter slightly greater than a portion of the shaft whereby the washer may be readily placed in alignment with the groove; in initially deforming the washer so that the washer enters the groove at portions thereof in order to support the shaft; in supporting the washer axially while squeezing the washer so as to reduce its internal diameter and to increase its thickness whereby the groove will be substantially occupied by a portion of the washer.

1,463,145. CAP FOR RECEPTACLES. WILLIAM E. KOSS, Evanston, Ill., assignor to Frank A. Brown, Wilmette, Ill. Filed Aug. 21, 1922. Serial No. 583,080. 6 Claims. (Cl. 215—46.)



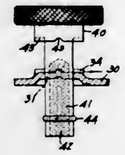
1. A sheet metal screw cap for receptacles comprising a top and a depending screw threaded flange, there being an outwardly directed hollow bead extending peripherally in the flange between the topmost thread thereof and the top of the cap, whereby deformation of the bead by a blow thereon will displace an adjacent portion of the top of the cap, substantially as and for the purposes set forth.

1,463,146. RIVETER. JAMES L. BERNARD, Beaver, Pa. Filed Dec. 4, 1920. Serial No. 428,372. 5 Claims. (Cl. 78—19.)



1. A power riveter comprising a fixed frame having opposite spaced jaws closed at their bottom and top, forming a closed throat therebetween, a vertically adjustable hydraulic cylinder mounted in one of said jaws, an upsetting tool carried by said cylinder, a vertically adjustable bucking-up stake mounted in the other of said jaws, means for adjusting said cylinder and said bucking-up stake vertically, and fluid pressure means for counterbalancing the weight of said cylinder and bucking-up stake.

1,463,147. COVER AND COVER-SECURING MEANS. MAX L. HILLMER, Detroit, Mich., assignor to The Remy Electric Company, a Corporation of Indiana. Filed Oct. 30, 1918. Serial No. 260,243. 7 Claims. (Cl. 220—55.)



1. In a device of the kind described, the combination with a support and a flexible cover therefor; of a fixed member secured to the support; and movable means cooperating with the fixed member to secure the cover in position upon the support, said cover and movable means having cooperating portions, the cover portions adapted by the flexing of the cover to spring into interlocking relation with said portions of said movable means in order to prevent the moving of said movable means due to the jarring or vibration of the support and cover.

Patents Nos. 1,463,148 to 1,463,781.

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Labels	19—No.	26,264 to No.	26,282, inclusive.
Prints	11—No.	6,836 to No.	6,846, inclusive.
Reissues	5—No.	15,663 to No.	15,667, inclusive.
Designs	44—No.	62,767 to No.	62,810, inclusive.
Patents	634—No.	1,463,148 to No.	1,463,781, inclusive.
Total	999		

ADJUDICATED PATENTS.

(C. C. A. N. Y.) Palmer patent, 878,995, claim 1, for apparatus for inverting tubular fabrics, *Held* valid and infringed. *Palmer* v. *E. Z. Waist Co.*, 288 Fed. Rep., 848.

(C. C. A. N. Y.) Schey patent, 902,724, for an apparatus for broiling meats, *Held* infringed. *Schey* v. *Giovanna*, 288 Fed. Rep., 849.

(C. C. A. N. Y.) Fuller patent, 1,101,268, for stencil paper, *Held* valid and infringed. *A. B. Dick Co.* v. *Barnett*, 288 Fed. Rep., 799.

(C. C. A. N. Y.) Clorious patent, 1,203,852, for game of skill, *Held* valid, but not infringed. *Chester-Pollard Amusement Co.* v. *Kentucky Derby Co.*, 288 Fed. Rep., 802.

(D. C. R. I.) Gerosa patent, 1,263,879, for lug for power-plant support for motor vehicles, void for lack of invention. *Hudson Motor Specialties Co.* v. *Apco Mfg. Co.*, 288 Fed. Rep., 871.

(C. C. A. N. Y.) Garson patent, 1,337,400, for a crane, *Held* invalid for want of novelty. *Garson* v. *Elwell-Parker Electric Co.*, 288 Fed. Rep., 824.

(C. C. A. N. Y.) Chester patent, 1,368,111, for an amusement apparatus, *Held* valid, but not infringed. *Chester-Pollard Amusement Co.* v. *Kentucky Derby Co.*, 288 Fed. Rep., 802.

(C. C. A. Ill.) Tufford reissue patent, 14,049, for rubber heel lift, *Held* not infringed. *U. S. Rubber Co.* v. *I. T. S. Rubber Co.*, 288 Fed. Rep., 786.

(C. C. A. Ohio.) Tufford reissue patent, 14,049, for rubber heel lift, *Held* not infringed. *I. T. S. Rubber Co.* v. *Tee Pee Rubber Co.*, 288 Fed. Rep., 794.

(C. C. A. Va.) Patterson reissue patent, 12,159, disclaimer eliminating matter added by reissue and narrowing the original patent, *Held* ineffective. *Rosemary Mfg. Co.* v. *Halifax Cotton Mills, Inc.*, 288 Fed. Rep., 683.

Interference Notices.

U. S. Patent Office, *Washington, July 12, 1923.*

Jesse Minor, his assigns or legal representatives, take notice:

An interference having been declared by this Office between the New England Confectionery Company, 253 Summer Street, Boston, Mass., for registration of a trade-mark and trade-mark registered June 2, 1903, No. 40,490, to Jesse Minor, 3822 Pier Street, Pittsburgh, Pa., and a notice of such declaration sent by registered mail to said Jesse Minor at the said address having been returned by the post office undelivered, notice is hereby given that unless said Jesse Minor, his assigns or legal representatives, shall enter an appearance therein within thirty days from the first publication of this order the interference will be proceeded with as in case of default.

This notice will be published in the Official Gazette for three consecutive weeks.

KARL FENNING,
Acting Commissioner of Patents.

U. S. Patent Office, *Washington, July 12, 1923.*

Bucknam & Vanderpoel, their assigns or legal representatives, take notice:

An interference having been declared by this Office between D. B. Scully Syrup Company, 321 East Illinois Street, Chicago, Ill., for registration of a trade-mark and trade-mark registered May 29, 1906, No. 53,164, to Bucknam & Vanderpoel, 198 West Broadway, New York, N. Y., and a notice of such declaration sent by registered mail to said Bucknam & Vanderpoel at the said address having been returned by the post office undelivered, notice is hereby given that unless said Bucknam & Vanderpoel, their assigns or legal representatives, shall enter an appearance therein within thirty days from the first publication of this order the interference will be proceeded with as in case of default.

This notice will be published in the Official Gazette for three consecutive weeks.

KARL FENNING,
Acting Commissioner of Patents.

Condition of Applications Under Examination at Close of Business July 20, 1923.

Room No.	Divisions, Examiners, and subjects of inventions. (Total number of applications awaiting action, excluding Trade-Mark Division, 75,422; Trade-Mark Division, 3,475. Oldest new case, Sept. 9, 1922; oldest amended, Sept. 21, 1922. The dates given are 1922 except where * indicates 1923.)	Oldest new application and oldest action by applicant awaiting office action. New.	Amended.	No. of applications awaiting action.
314	1. LOEFFLER, F. A., Closure Operators; Fences; Gates; Harrows and Diggers; Plows; Planting; Scattering Unloaders; Trees, Plants, and Flowers.	Oct. 16	Oct. 2	1,277
128	2. HADEN, C. F., Bee Culture; Dairy; Preserving; Presses; Tents, Canopies, Umbrellas, and Canes; Tobacco.	Sept. 20	Oct. 9	1,510
175	3. RICH, WM. J., Electric Heating and Rheostats; Electrochemistry; Heating; Metal Founding; Metallurgical Apparatus; Metallurgy; Metal Treatment; Plastic Metal Working.	Nov. 14	Nov. 29	1,659
234	4. MERRITT, A. D., Conveyers, Chutes, Skids, Guides, and Ways; Conveyers, Fluid Current; Conveyers, Power Driven; Excavating; Handling—Hand and Hoist-Line Implements; Material or Article Handling; Pushing and Pulling Implements; Railway Mail Delivery; Traversing Hoists.	Oct. 12	*Feb. 14	1,550
167	5. MACNAB, J. F., Bookmaking; Books, Strips, and Leaves; Harvesters; Jewelry; Manifolding; Music; Printed Matter; Tying Cords or Strands.	Sept. 22	Oct. 7	1,463
318	6. LEWERS, A. M., Bleaching and Dyeing; Chemicals; Chemistry—Carbon Compounds; Explosive, Pyrotechnic, and Match Compositions; Fertilizers; Liquid Coating Compositions; Medicines; Plastic Compositions; Substance Preparation.	Sept. 26	*Mar. 4	1,955
312	7. JARBOE, C. G., Games and Toys; Optics; Photography	Oct. 3	Dec. 13	2,766
133	8. CLIFT, J. W., Beds; Chairs and Seats; Furniture; Kitchen and Table Articles; Store Furniture; Supports.	*Jan. 15	*Mar. 28	1,602
221	9. TRYON, F. M., Air and Gas Pumps; Hydraulic Motors; Injectors and Ejectors; Motors, Fluid; Motors, Fluid Current; Pumps.	Oct. 23	*June 9	878
235	10. HUNTER, O. F. (Acting), Motor Vehicles; Land Vehicles—Animal Draft Appliances, Bodies and Tops, Dumping, Wheel Substitutes.	Sept. 26	Oct. 23	1,545
154	11. ARMSTRONG, H. C., Boot and Shoe Making; Boots, Shoes, and Leggings; Button, Eyelet, and Rivet Setting; Harness; Hides, Skin, and Leather; Leather Manufactures; Nailing and Stapling; Whips and Whip Apparatus.	*Jan. 15	*Jan. 3	1,040
322	12. PIERCE, P. P., Machine Elements	Nov. 29	*Jan. 2	1,431
329	13. NIXON, G. A., Bolt, Nail, Nut, Rivet, and Screw Making; Chain, Staple, and Horseshoe Making; Driven, Headed, and Screw-Threaded Fastenings; Gear Cutting, Milling, and Planing; Metal Drawing; Metal Forging and Welding; Metal Rolling; Metal Working; Needle and Pin Making; Turning.	Oct. 9	*Mar. 24	1,223
323	14. BRUMBAUGH, N. J., Compound Tools; Cutting and Punching Sheets and Bars; Farriery; Metal Bending; Metal Tools and Implements, Making; Sheet-Metal Ware, Making; Tools; Wire Fabrics and Structure; Wire Working.	Sept. 21	*May 12	1,172
308	15. REDROW, W. L., Glass; Laminated Fabric and Analogous Manufactures; Paper Making and Fiber Liberation; Plastic Block and Earthenware Apparatus; Plastics.	Sept. 29	Nov. 24	2,096
112	16. BACKUS, C. D., Radiant Energy; Telegraphy; Telephony	Oct. 4	Oct. 2	2,512
307	17. RAFTER, G. S., Coating, Label Pasting, and Paper Hanging; Nut and Bolt Locks; Ornamentation; Paper Manufactures; Printing; Type Casting; Sheet-Material Association or Folding; Sheet or Web Feeding or Delivering; Type Setting.	Sept. 21	*Jan. 17	1,549
229	18. PORTER, M. E., Liquid Heaters and Vaporizers; Motors, Expansible-Chamber Type; Power Plants; Speed-Responsive Devices.	Sept. 22	Sept. 21	2,056
236	19. GLASCOCK, E. S., Automatic Temperature and Humidity Regulation; Furnaces; Heating Systems; Stoves and Furnaces; Thermostats and Humidostats.	*Jan. 24	*Apr. 9	718
179	20. WRIGHT, H., Artificial Body Members; Miscellaneous Hardware; Closure Fasteners; Cutlery; Dentistry; Locks and Latches; Safes; Undertaking.	Dec. 8	Dec. 6	2,137
212	21. THURBER, W. L., Winding and Reeling; Textiles—Braiding, Netting, or Lace Making, Cloth Finishing, Fiber Preparation, Knitting, Spinning, Twisting or Twining, Weaving.	Sept. 25	*Mar. 1	1,058
249	22. COLWELL, J. H., Aeronautics; Firearms; Ordnance; Ammunition and Explosive Devices; Ammunition and Explosive-Charge Making; Air Guns, Catapults, and Targets; Boats and Buoys; Ships; Marine Propulsion.	Oct. 26	*Jan. 11	601
217	23. GROESBECK, W. D., Acoustics; Coin Handling; Recorders; Registers; Sound Recording and Reproducing.	Sept. 25	Sept. 22	901
144	24. DURAS, C. O., Apparel; Apparel Apparatus; Garment Supporters; Sewing Machines	Sept. 27	*Jan. 8	1,440
315	25. LIGHTFOOT, J. B., Agitating; Butchering; Centrifugal-Bowl Separators; Mills; Threshing; Vegetable and Meat Cutters and Comminutors; Gas Separation.	*Jan. 26	*Feb. 10	535
105	26. HODGES, J. S., Electricity, Generation; Motive Power; Prime-Mover Dynamo Plants	Oct. 9	Oct. 24	982
214	27. ANDERSON, L. S., Brush, Broom, and Mop Making; Brushing, Scrubbing, and General Cleaning; Laundry; Washing Apparatus.	Sept. 22	Sept. 23	1,562
225	28. BENSON, A. R., Internal-Combustion Engines	Nov. 15	Dec. 30	1,490
147	29. MORRIS, B. N., Abrading; Boring and Drilling; Button Making; Chucks or Sockets; Coopering; Tool-Handle Fastenings; Wheelwright Machines; Wood Sawing; Wood Turning; Woodworking; Woodworking Tools.	Sept. 9	Oct. 24	1,327
152	30. SULLIVAN, M. R., Illuminating Burners; Illumination; Liquid and Gaseous Fuel Burners; Typewriting Machines.	Oct. 25	*Apr. 2	1,912
172	31. HOLMES, W. N., Alcohol; Ammonia, Water, and Wood Distillation; Charcoal and Coke; Gas, Heating and Illuminating; Hydraulic Cement and Lime; Mineral Oils; Oils, Fats, and Glue; Sugar, Starch, and Carbohydrates; Concentrating Evaporators.	Sept. 28	Oct. 6	1,689
278	32. BANCROFT, J. F., Gas and Liquid Contact Apparatus; Heat Exchange	Oct. 7	Oct. 12	1,393
70	33. WYMAN, W. I., Bridges; Hydraulic and Earth Engineering; Masonry and Concrete Structures; Metallic Building Structures; Roads and Pavements; Roofs; Rod Joints or Couplings; Pipe Joints or Couplings; Valved Pipe Joints or Couplings.	Oct. 27	Oct. 26	1,727
304	34. SIMPSON, G. R., Electricity-Transmission to Vehicles; Pneumatic Dispatch; Railways; Railway Rolling Stock; Railway Switches and Signals; Railways, Surface Track; Railway Wheels and Axles; Store Service; Track Sanders; Vehicle Fenders.	Dec. 26	*Mar. 5	775
52	35. REYNOLDS, E. C., Buckles, Buttons, Clasps, Etc.; Card, Picture, and Sign Exhibiting; Signals and Indicators; Toilet.	*Feb. 6	*Mar. 17	1,128
265	36. MORTON, G. L., Automatic Weighers; Driers; Geometrical Instruments; Measuring Instruments; Force Measuring.	*Jan. 2	Dec. 9	2,036
107	37. TAYLOR, E. C., Electricity, Circuit Makers and Breakers	Oct. 2	Oct. 2	2,012
375	38. IDE, G. R., Animal Husbandry; Earth Boring; Fishing, Trapping, and Vermin Destroying; Mining, Quarrying, and Ice Harvesting; Stationery; Stoneworking, Wells.	Sept. 26	Sept. 23	1,970
220	39. COWLES, A. W., Fluid-Pressure Regulators; Multiple Valves; Valves; Water Distribution	Sept. 25	Oct. 2	1,401
269	40. OBERLIN, J. J., Baggage; Bottles and Jars; Cloth, Leather, and Rubber Receptacles; Deposit and Collection Receptacles; Metallic Receptacles; Package and Article Carriers; Paper Receptacles; Special Receptacles and Packages; Wooden Receptacles.	Sept. 25	*Mar. 19	2,267
125	41. BROWN, J. I., Land Vehicles, Wheels and Axles; Resilient Tires and Wheels	Dec. 11	*Jan. 22	953
114	42. CUTTING, H. O., Electrical Conduits and Housings; Electric Signaling; Electric Lamps	Oct. 19	Nov. 13	1,691
382	43. HOPKINS, F. M., Baths and Closets; Electricity, Medical and Surgical; Fire Extinguishers; Sewerage; Surgery; Liquid Separation or Purification.	Nov. 6	Oct. 23	1,352
253	44. SHAFFER, C. H., Bread, Pastry, and Confection Making; Dispensing; Dispensing Beverages; Filling and Closing Portable Receptacles; Railway Draft Appliances; Refrigeration.	Oct. 9	*Feb. 16	1,194
379	45. GILES, A. H., Journal Boxes, Pulleys, and Shafting; Lubrication; Motors; Spring Devices	Nov. 3	Oct. 11	1,567
332	46. WOLCOTT, C. L., Curtains, Shades, and Screens; Educational Appliances; Fire Escapes; Ladders; Fluid Sprinkling, Spraying, and Diffusing; Paper Files and Binders; Wooden Buildings; Scaffolds.	Nov. 20	Dec. 14	1,444
264	47. BARKER, H., Brakes; Clutches and Power Stop Control; Elevators; Fluid-Pressure Brake and Analogous Systems; Horology; Time-Controlling Mechanism.	Nov. 1	*Jan. 8	1,202
118	48. ROEPKE, O. B., Electricity Conductors; Electricity, General Applications	Sept. 26	Sept. 27	2,366
383	49. EDINBURG, F. P., Check-Controlled Apparatus; Domestic Cooking Vessels; Fuel and Igniting Devices; Joint Packings; Packed Shaft or Rod Joints; Pneumatics; Velocipedes.	Oct. 21	Oct. 26	657
102	DESIGNS: C. O. MARKHAM (Acting)	Nov. 17	*Feb. 8	2,631
163	TRADE-MARKS, LABELS AND PRINTS: T. L. MEAD, JR. {Trade-Marks	*Mar. 12	*May 4	3,437
	{Labels and Prints	*July 13	*July 17	38

DECISIONS IN PATENT AND TRADE-MARK CASES.

Commissioner's Decision.

EX PARTE AMERICAN DAIRY SUPPLY COMPANY.

Decided February 21, 1923.

TRADE-MARK—DESCRIPTIVE—NOT REGISTRABLE.

Since the words "The Certified Cap," for paper disks for closures for receptacles, usually known as milk-bottle caps, are, if applied directly to the caps, either deceptive or descriptive of the contents of the bottles closed by the caps, *Held* that registration of this mark used on labels showing the words directly applied to the disks should be refused, because distributors of milk and supervising health authorities seeing such labels bearing notice of registration would be led to believe the mark as applied directly to the caps had been registered.

ON APPEAL.

TRADE-MARK FOR PAPER-MATERIAL DISKS FOR CLOSING RECEPTACLES, USUALLY KNOWN AS MILK-BOTTLE CAPS.

Mr. Hubert E. Peck for the applicant.

KINNAN, *First Assistant Commissioner:*

The applicant has appealed from the decision of the Examiner of Trade-Marks denying registration to "The Certified Cap," applied to paper material disks for closing receptacles, usually known as milk-bottle caps, and closure disks, Class 50, Merchandise not otherwise classified.

It appears the registration was approved and the mark was published, but thereafter registration was refused for reasons, some of which are set out in the decision sustaining the opposition of the Sheffield Farms-Slawson-Decker Company in proceeding No. 1,125.

There were other protests filed by medical or health officers from various places, which protests have now been misplaced or lost, against the registration of a mark of this character to be used upon milk bottles or containers, and these protests were considered by the Examiner of Trade-Marks as having a bearing upon the matter of refusal of registration.

Without reviewing at length these specific objections it will be sufficient to state here that it is a matter of common knowledge that in many communities, counties, or other sections of the country careful medical supervision by the health authorities of the production and handling of milk is in force. In many of these places milk which is handled and sold under this supervision is referred to as "certified milk," and such words appearing on the container, the closure, or any part of a receptacle used in distribution would create in the mind of the consumer the belief that the milk was being handled under such desirable supervision. In view of the foregoing I am satisfied the applicant is not entitled to use the word "Certified" or "The Certified Cap" on any device which is ultimately to become a part of a milk container. Such a use would be deceptive if the milk in the container were not certified and would be descriptive if the milk were certified. In either event the mark could not be registered under the 1905 act as amended.

It is applicant's contention that the use of the mark upon the cap itself is not contemplated. Appellant company states in the brief filed at the hearing:

> Applicant's "The Certified Cap" products are sold to the bottle closure trade and are ultimately used to close various kinds of containers for various kinds of products, in addition to its use as a closure for bottled milk,—see Mr. J. A. Burkart affidavits of record. Applicant's trade-mark, however, is not displayed on or in connection with such containers and bottles and is not known to the consumers of the bottled milk and the products in such containers.

To emphasize this matter, applicant in the brief above referred to states that its "trade-mark is *not* displayed on applicant's closure disks." In the affidavit filed June 30, 1922, the president of the applicant company avers that—

> the milk caps manufactured by said corporation applicant for the milk cap trade do not and never did bear the trade mark of said applicant so far as the consumers of the bottled capped milk are concerned, and said corporation applicant does not print, impress or otherwise apply its said trade mark directly on or to its caps, but its said trade mark is displayed for inspection by the milk cap trade by labels on the packages or caps and by labels inserted in said packages, but not in such manner as to be seen by the consumers of bottled milk capped by "The Certified Cap."

The application, however, is not restricted in accordance with these averments and statements. The specimens show a label having the picture of a cap thereon with the mark applied directly to the cap. This would indicate to a purchaser that the applicant company was applying its mark, as shown in the picture, directly to the cap. A user of caps for milk bottles whose milk had been handled under the local health authorities and who wished and was entitled to label his caps "certified" would on seeing applicant company's label be warranted in believing such use would infringe the appellant's rights. Further, health authorities seeing appellant's label might well be led to believe their local statutes were being violated, or that the Patent Office had registered a mark to be used on caps by dairymen in violation of local statutes. No doubt it is true the applicant company usually prints the particular information on the cap requested by the milk distributor or user of the cap, but the label is contrary to this, and also there is no formal disclaimer of the use of the mark applied directly to the cap and nothing to prevent appellant from applying the mark, as the law contemplates a mark being applied, directly on the goods. It is believed the Examiner is right in denying registration of the mark.

The decision of the Examiner of Trade-Marks is affirmed.

Supreme Court of the United States.

JOHN SIMMONS COMPANY *v.* THE GRIER BROTHERS COMPANY.

Decided February 27, 1922.

1. PATENTS—JUDGMENTS—BILL OF REVIEW.
A bill of review is called for only after a final decree—one that finally adjudicates upon the entire merits, leaving nothing further to be done except the execution of it.

2. SAME—SAME—INTERLOCUTORY DECREE.
An interlocutory decree may be modified or rescinded by the court at any time before final decree.

3. SAME—SAME—SAME.
Whether a decree is final or interlocutory depends upon its essential purport and effect and not upon its characterization in pleadings.

4. SAME—SAME—FINAL DECREE.
The decree of July 24, 1914, was not a final decree, since an accounting was necessary. Nor was the decree of Jan. 5, 1916, final. As to unfair competition, an inquiry before a master was necessary, while the decision as to patent infringement remained in abeyance until final decree could pass, since there was nothing to take the case out of the ordinary rule that there can be but one final decree in a suit in equity (distinguishing *Smith* v. *Vulcan Iron Works*, 165 U. S., 518, 525; *Hill* v. *Chicago & Evanston Railroad Co.*, 140 U. S., 52; and following *Keystone Iron Co.* v. *Martin*, 132 U. S., 91).

5. SAME—SAME—PETITION FOR REHEARING.
Held that the bill of review filed in the foregoing circumstances is to be treated as a petition for rehearing.

6. SAME—SAME—PROCEDURE TO OBTAIN REHEARING OR REVIEW.
Proceedings to reopen a decree of a district court, entered pursuant to the mandate of an appellate court, whether by rehearing or review, should first be referred to the latter tribunal (citing *Southard* v. *Russell*, 16 How., 547, 570, 571; *In re Potts*, 116 U. S., 263, 267; 1897, C. D., 342; 78 O. G., 2049; *National Brake Co.* v. *Christensen*, 254 U. S., 425, 430–431).

7. SAME—SAME—FAILURE TO APPLY FOR A WRIT OF CERTIORARI.
The plaintiffs cannot be regarded as consenting to the decree of Jan. 5, 1916. They simply accepted an adverse decision as to a part of their suit, not open to further appeal at their instance, and proceeded in the orderly mode to preserve their suit as to the rest. Nor were they guilty of laches for omitting at that stage to make application to the Supreme Court for a writ of certiorari, because that mode of review is not a right of the party.

8. SAME—JUDGMENTS—REHEARING AFTER DECISION OF APPELLATE COURT.
In a suit charging unfair competition in trade and infringement of a patent the district court held, July 24, 1914, the patent valid and infringed and awarded a permanent injunction on both grounds, with an interlocutory decree for an accounting. This decision was sustained by the circuit court only as to unfair competition, and the case was remanded to the district court and a decree entered thereon January 5, 1916, and a master appointed to ascertain damages. Subsequently the Supreme Court found the patent to be valid and infringed by another defendant. Afterwards the circuit court granted a petition to file a bill of review in the district court based on the decision of the Supreme Court, and the district court sustained the plaintiffs' right to maintain a bill of review and held its former decree, in so far as it held the patent invalid, set aside. The circuit court reversed this decision and directed the former decree of the district court to be reinstated. *Held* the decision of the Supreme Court was sufficient to demonstrate that the circuit court erred in its decision on the first appeal, and the error afforded ample ground for setting matters right before final decree.

9. SAME—CLAIM 4 OF BALDWIN LAMP PATENT UPHELD.
Abercrombie & Fitch Co. v. *Baldwin* (245 U. S., 198), upholding claim 4 of Baldwin lamp patent, followed.

Mr. James Q. Rice for the petitioner.

Mr. C. P. Byrnes, *Mr. David A. Reed*, *Mr. Geo. H. Parmelee*, and *Mr. Geo. E. Stebbins* for the respondent.

ON writ of certiorari to the United States Circuit Court of Appeals for the Third Circuit.

Mr. Justice PITNEY delivered the opinion of the Court.

In October, 1913, Frederic E. Baldwin, a citizen of New York, together with the present petitioner John Simmons Company, a corporation and citizen of that State, brought suit in the United States District Court for the Western District of Pennsylvania against The Grier Brothers Company, a corporation and citizen of the latter State, charging infringement of reissued Letters Patent No. 13,542, issued to and owned by Baldwin and under which the Simmons Company was sole licensee, for certain improvements in acetylene-gas lamps intended for various uses, especially that of miners' lanterns. The bill charged also unfair competition with plaintiffs by the sale of lamps made to resemble the Baldwin lamp manufactured under the patent. The district court granted a preliminary injunction as to unfair competition but reserved the question of patent infringement for final hearing (210 Fed. Rep., 560). Upon that hearing the court held claim 4 of the Baldwin reissue patent valid and infringed and awarded a permanent injunction upon both grounds, July 24, 1914, with an interlocutory decree for an accounting (215 Fed. Rep., 735). Upon appeal by defendant (the present respondent), the Circuit Court of Appeals for the Third Circuit affirmed the decree as to unfair competition but reversed it as to patent infringement, holding the reissue to be void as to claim 4 upon the ground that this broadened the original patent (219 Fed. Rep., 735, 739). This decision was rendered January 22, 1915, and the mandate went down about a month later setting forth the decree of the appellate court that the decree of the district court be—

affirmed as to so much thereof as refers to the subject of unfair competition, but the rest of the decree must be modified in accordance with the opinion of this court,

and that the appellant recover costs and have execution therefor; and thereupon commanding that execution and further proceedings be had according to right and justice. No decree was entered upon this in the district court until January 5, 1916, when on motion of plaintiffs an order was entered that the decree of the circuit court of appeals be made the decree of the district court, that plaintiffs recover from defendant their damages sustained by reason of unfair trade to be ascertained and reported by a master to whom reference was made for the purpose, that a perpetual injunction be issued restraining defendant from further unfair competition in trade; and that the bill of complaint as to infringement of the reissue patent be dismissed. The accounting before the master is still pending.

In May, 1913, Baldwin had brought suit (John Simmons Company intervening) upon the same reissue patent in the United States District Court for the Southern District of New York against Abercrombie & Fitch Company (Justrite Company, intervening), and that court adjudged the patent valid and infringed (227 Fed. Rep., 455). On appeal this decree was affirmed by the Circuit Court of Appeals for the Second Circuit, November 9, 1915 (228 Fed. Rep., 895). On December 20, 1915, defendants in that suit presented to this Court a petition for a writ of certiorari; January 10, 1916, this writ was granted (239 U. S., 649); and under it, on December 10, 1917, the decision of the Circuit Court of Appeals for the Second Circuit was affirmed, this Court holding, in direct opposition to the decision of the Circuit Court of Appeals for the Third Circuit, that claim 4 of the reissue was valid (245 U. S., 198; 246 O. G., 567). A mandate was sent down January 15, 1918, to the District Court for the Southern District of New York, and the proper decree was promptly entered thereon.

Soon after this, plaintiffs herein petitioned the District Court for the Western District of Pennsylvania for leave to file what was called a "bill of review" against its decree of January 5, 1916. The Court in the first instance refused, but without prejudice to an application to the Circuit Court of Appeals for the Third Circuit for leave to file such bill. Upon application that court granted plaintiffs leave to make the application to the district court, and authorized the latter court to take action thereon. Under this leave, application was renewed to the district court, the proposed "bill of review" being at the same time presented, and with leave of the court filed. This bill sets out the original bill and the proceedings had thereunder, as above recited; also the proceedings in the suit in the second circuit and the final decision of this court therein; alleging these as "new facts" that had arisen since the decree entered in the District Court for the Western District of Pennsylvania on the 5th of January, 1916, and as showing that that decree was erroneous and contrary to law, in so far as (pursuant to the opinion of the Circuit Court of Appeals for the Third Circuit) it dismissed the bill as to infringement of the reissue patent and failed to decree a perpetual injunction and ascertainment of damages as to infringement; prayed that the cause might be reopened and the decree rescinded and set aside, in so far as it dismissed the patent cause of action, and a new decree entered granting the relief prayed for in the original bill. Defendant answered admitting in the main, or at least not denying, the allegations of the so-called bill of review as to the former proceedings and decrees in the courts of the two circuits, but denying that the lamp involved in the Abercrombie & Fitch Company suit (the "Justrite lamp") corresponded in essential features of construction with the "Grier lamp" involved in the present suit; averring that the decisions of the circuit courts of appeals of the two circuits were not rendered on the same state of facts; that the bill was—

in fact only a petition for rehearing because of the decision of the Supreme Court referred to therein;

and that the decision of this Court in the Abercrombie & Fitch Company suit formed no basis for a bill of review.

Afterwards, John Simmons Company by leave filed a supplemental bill setting up that it had acquired from Baldwin all his rights in the reissue patent including all claims for damages and profits on account of the infringement. Defendant having answered this, testimony was taken to show the structural identity of the "Justrite" and the "Grier" lamps, and the cause came to hearing, with the result that the district court found substantial identity between the two lamps in all essential features of construction, sustained the right of plaintiffs to maintain the bill of review, and held that its former decree, entered pursuant to the mandate of the circuit court of appeals, so far as it held the reissue patent invalid, should be vacated and set aside and a decree entered sustaining the validity of claim 4 of the reissue, finding defendant guilty of infringement thereof, and plaintiffs entitled to an accounting of profits and a perpetual injunction. From the decree thus entered an appeal was taken to the circuit court of appeals, which reversed it and remanded the cause with directions to reinstate the decree of January 5, 1916 (265 Fed. Rep., 481). To review this decision, the present writ of certiorari was allowed (253 U. S., 482).

The district court, as will appear from an excerpt from its opinion reported in a note to the opinion of the circuit court of appeals (265 Fed. Rep., 483), treated the case as one based upon a true bill of review, and this as resting not upon new matter that had arisen since the decree but upon error of law apparent on the face of the record without further examination of matters of fact.

The circuit court of appeals, upon a recital of the different steps in the litigation, regarded the situation as one of plaintiffs' own creation, for the reason that after that court's decision on the original bill but before the mandate went down, although apprised of the contrary decision of the District Court for the Southern District of New York in a cause to which they were parties, plaintiffs made no request to the Circuit Court of Appeals for the Third Circuit to withhold its mandate; that, after the mandate went down and before a decree pursuant to it was entered in the court below, they knew of the affirmance of the decision of the district court of New York by the Circuit Court of Appeals for the Second Circuit, yet made no request to either court in the third circuit to have the entry of a decree withheld; that on the contrary, with knowledge that this court had under consideration a petition for certiorari in the second circuit case, they prepared and of their own motion caused to be entered on January 5,

1916, the decree dismissing their suit as to the patent infringement; and after this court on January 10, 1916, granted the certiorari, they allowed the term to end without moving to suspend, open, or vacate the decree of January 5. The court held that in effect, so far as plaintiffs were concerned, that decree was a consent decree, and while not going to the extent of holding that this was sufficient to bar them from maintaining the bill of review, did declare that the anomalous situation and consequent hardship, arising from the fact that a patent adjudged valid in one circuit by this court at the same time had been adjudged invalid by the circuit court of appeals in another circuit, was due not to any fault of the law or of the patent system but to the failure of plaintiffs to take steps that might have avoided it. Proceeding to consider the legal question whether the decision of this court in 245 U. S., 198, either showed an error of law apparent on the face of the record without further examination of matters of fact, or constituted a new fact discovered since the decree and materially affecting it, the court held on the authority of *Scotten* v. *Littlefield* (235 U. S., 407, 411), *Tilghman* v. *Werk* (39 Fed. Rep., 680), and *Hoffman* v. *Knox* (50 Fed. Rep., 484) that the bill of review could not be maintained.

The cases cited are to the effect that, in the application of the ancient rule of practice in equity, based upon Lord Bacon's first ordinance (Story Eq. Pl., 6th ed., sec. 404), a change in the authoritative rule of law, resulting from a decision by this Court announced subsequent to the former decree, neither demonstrates an "error of law apparent" upon the face of that decree nor constitutes new matter *in pais* justifying a review.

[1, 2, 3] But a bill of review is called for only after a final decree—one that finally adjudicates upon the entire merits, leaving nothing further to be done except the execution of it. If it be only interlocutory, the court at any time before final decree may modify or rescind it. (Story Eq. Pl., secs. 408, a, 421, 425.) In the so-called bill of review herein, it is in terms alleged that the decree of the District Court for the Western District of Pennsylvania, entered July 24, 1914, was an interlocutory decree. The same is alleged as to the decree of January 5, 1916. Both allegations are admitted by the answer, which at the same time asserts that the "bill of review" is in fact only a petition for rehearing. Obviously, the nature of the decree is to be determined by its own essential purport and effect, not by the statements of the pleaders about it. But an examination of the record demonstrates that they correctly described the decree as interlocutory.

[4] The decree of July 24, 1914, although following a "final hearing", was not a final decree. It granted to plaintiffs a permanent injunction upon both grounds, but an accounting was necessary to bring the suit to a conclusion upon the merits. An appeal taken to the circuit court of appeals, whose jurisdiction, under section 129 Judicial Code, extended to the revision of interlocutory decrees granting injunctions, followed by the decision of that court reversing in part and affirming in part, did not result in a decree more final than the one reviewed. The prayer for relief based upon infringement of patent and that based upon unfair competition in trade were but parts of a single suit in equity. The decree entered pursuant to the decision of the appellate court, did not bring the suit to a conclusion for either purpose. As to unfair competition, it evidenced a quasi-definitive decision in plaintiffs' favor, but an inquiry before a master still was necessary before final decree could pass; an inquiry not formal or ministerial but judicial, in order to ascertain the amount of the damages to be awarded. As to the claim of patent infringement, the decree evidenced a quasi-definitive decision adverse to plaintiffs, which, if nothing occurred to prevent, would in due course be carried into the final decree. But it did not constitute a separation of the cause, nor dismiss defendant from the jurisdiction for any purpose; necessarily this decision remained in abeyance until the cause should be ripe for final decree; there was nothing to take the case out of the ordinary rule that there can be but one final decree in a suit in equity.

Smith v. *Vulcan Iron Works* (165 U. S., 518, 525), where it was held by this Court, after some diversity of opinion among the circuit courts of appeals of the different circuits, that an appeal to one of those courts under section 7 of the act of 1891, from which section 129 Judicial Code was derived, taken from an interlocutory decree granting an injunction and awarding an accounting in a patent case, conferred jurisdiction upon the appellate court to consider and decide the case upon its merits, and thereupon direct a final decree dismissing the bill, if in its judgment it had no equity to support it, differed vitally from the case before us, since there an adverse decision upon the patent disposed of the entire merits, the suit having no other object. Nor was the situation presented in the present case analogous to that passed upon by this Court in *Hill* v. *Chicago & Evanston Railroad Co.* (140 U. S., 52), which arose out of its decision in 129 U. S., 170. There a decree was held final for the purposes of an appeal, which dismissed the bill as to certain parties and denied relief "upon all matters and things in controversy," although it left undetermined a severable matter in which those parties had no interest. The test of finality here to be applied is rather that exemplified by *Keystone Iron Co.* v. *Martin* (132 U. S., 91) and cases cited. In *ex parte National Enameling Co.* (201 U. S., 156, 165; 121 O. G., 1679) it was pointed out that the rule of the Hill case can not apply to a case in which there is but a single defendant.

[5] Regarding, therefore, the decree of January 5, 1916, as an interlocutory not a final one, there is neither technical nor substantial ground for applying to it the rules pertaining to a bill of review, and the bill herein called such is to be treated as essentially a petition for rehearing. By the 69th Equity Rule (226 U. S., 669) such a petition is in order at the term of the entry of the final decree; and, of course, if an interlocutory decree be involved, a rehearing may be sought at any time before final decree, provided due diligence be employed and a revision be otherwise consonant with equity.

[6] As the decree in question was entered pursuant to the mandate of an appellate court, proper deference to its authority required that a proceeding to reopen it, whether by rehearing or review, should be first referred to that tribunal. (*Southard* v. *Russell*, 16 How., 547, 570–571; *in re Potts*, 166 U. S., 263, 267; *National Brake Co.* v. *Christensen*, 254 U. S., 425, 430–431.)

[7] That having been done in this case, and leave for the purpose obtained (leave to grant a "review" fairly included any step short of that), what obstacle stood in the way of correcting the decree? The suit was still pending; plaintiffs applied promptly after the decision of this Court in the Abercrombie & Fitch Co. suit (245 U. S., 198). It was eminently proper that the decree in the present suit should be made to conform to that decision, in the absence of some special obstacle. We cannot assent to the view of the court below that plaintiffs may be regarded as consenting to the decree of January 5, 1916; they simply accepted an adverse decision as to a part of their suit, not open to further appeal at their instance, and proceeded in the orderly mode to pursue their suit as to the rest. They were not guilty of laches for omitting at that stage to make application to this Court for allowance of a writ of certiorari. That mode of review is not a right of the party, but lies in this court's discretion; peradventure the very fact that a final decree had not yet been entered might have been deemed a sufficient ground for refusing the writ. (*Hamilton Shoe Co.* v. *Wolf Brothers*, 240 U. S., 251, 254, 257–258.)

[8, 9] Our decision in *Abercrombie & Fitch Co.* v. *Baldwin* (245 U. S., 198) must be taken as not only demonstrating that the circuit court of appeals erred in its disposition of this case upon the first appeal (219 Fed. Rep., 735), but that the error, even though not amounting to "error apparent", within the meaning of Lord Bacon's first ordinance, afforded ample ground for setting matters right upon a rehearing before final decree, as was in effect done by the district court. No sufficient ground is shown for the reversal of its latest decree.

Decree of the circuit court of appeals reversed, and that of the district court affirmed; and the cause remanded to that court for further proceedings in conformity to this opinion.

Court of Appeals of the District of Columbia.

IN RE HAMMER.

No. 1,524. Decided January 2, 1923.

PATENTABILITY—ANTICIPATION.

Where the essential features of an application corresponds with features found in the references and operate in substantially the same manner without producing different results, *Held* that there is no invention in the combination.

Mr. Theo. K. Bryant for Hammer.

Mr. T. A. Hostetler for the Commissioner of Patents.

Before SMYTH, Chief Justice, and ROBB and VAN ORSDEL, Associate Justices.

SMYTH, *C. J.*:

Hammer's application for a patent on an improvement in wire mattresses was denied by the Patent Office. We set out claims 1, 3, and 5.

1. A mattress fabric comprising a continuous wire provided with a plurality of loops, one being opposite the other for helical connection, formed by twisting portions of the wire.

3. A mattress fabric comprising a continuous wire provided with a plurality of loops, one being opposite the other for helical connection, formed by double twisting one end and single twisting the other end of the return portions of the wire.

5. A mattress comprising a pair of frame members, a continuous wire having a plurality of loops formed by twisting the wire for helical connection with the frames, said wire having crimps to point in reverse directions, and transverse links connecting a crimp in the return bend of one wire with a crimp in the return bend of the other.

The application was rejected on a patent to Way July 28, 1914, on one to Langlykke September 24, 1918, and on one to Slater (British) March 13, 1907. We have considered it in the light of the references and are satisfied that its essential features correspond with features found in the references and operate in substantially the same manner without producing different results; consequently, that there is no invention in the combination. Under these circumstances the action of the Commissioner of Patents must be, and it is, affirmed.

Affirmed.

Court of Appeals of the District of Columbia.

STILLWELL *v.* THOMPSON, JR.

Nos. 1,575 and 1,576. Decided May 7, 1923.

1. INTERFERENCE — PRELIMINARY STATEMENT — AMENDMENT.

Where a party, acting timely and in good faith, shows that an amendment is essential to the preservation of his rights, the privilege should be accorded, and this may be done at any step in the proceedings prior to the final determination of the case in the Patent Office.

2. SAME—SAME—SAME.

Where S., in company with one Woodbury, developed the invention in issue at the laboratory of the Du Pont Powder Company and three years later, at the time the original preliminary statement was prepared, S. and W. had before them a letter of Sept. 11, 1915, written by W. to the Du Pont Company, which indicated that conception had then taken place, and it appears from the affidavits in support of the motion to amend that when S. and W., after a search of the files of the Du Pont Powder Works had been made by S.'s attorney, were confronted with a letter dated Aug. 16, 1915, they clearly recalled a conference which S. had with W.

when he disclosed sketches of the invention and explained its operation, *Held* that the Examiners in Chief properly allowed S.'s motion to amend.

Mr. Edwin J. Prindle for Stillwell.

Mr. Thomas Howe for Thompson, jr.

Before SMYTH, Chief Justice, and ROBB and VAN ORSDEL, Associate Justices.

VAN ORSDEL, *J.*:

The two interferences can be treated as a single case. The single claim in issue in No. 1576 reads as follows:

The method of forming a cavity in explosive contained in a shell which consists in supporting the shell with its axis having a vertical component, whereby explosive released tends to drop away from the shell, and having its lower end open, and removing explosive material to form the desired cavity by relatively moving the shell and drills, or cutters of different diameters and in longitudinally fixed relationship, whereby the said drills or cutters enter into the explosive from the lower, open end of the shell along a path having a vertical component and the boring of large diameter is carried out simultaneously with a portion of the boring of smaller diameter.

Five more specific claims to the same method are involved in No. 1575. Claims 1 and 5 illustrate the invention in issue as follows:

1. The method of forming a cavity in explosive material contained in a shell having directly communicating bores of different diameters, which consists in boring out the explosives contained in the bore of larger diameter, on a diameter not greater than the diameter of the lesser bore.

5. The method of forming a cavity in explosive cast in a shell having bores of different diameters, which consists in advancing boring cutters or drills in fixed longitudinal relationship into the said explosive, the said cutters or drills being of different diameters to form holes of different diameters in the different bores respectively, the hole of larger diameter in the larger shell bore being not greater than the lesser bore.

From the claims it will be observed that the invention involves a method of boring out a portion of the explosive material cast in a shell to form a cavity to receive the detonator, which upon impact explodes the shell.

A patent was issued to the senior party Thompson February 5, 1918, upon a division of an application filed November 20, 1916. Stillwell filed his application July 24, 1916.

Stillwell in his preliminary statement alleged conception and disclosure on or before September 11, 1915, and reduction to practice October 30, 1915. Thompson in his preliminary statement fixed a date of conception on September 7, 1915, disclosure September 15, 1915, and reduction to practice November 1, 1915.

Since Thompson on the face of his preliminary statement could claim no earlier date than his alleged date of disclosure, it will be observed that Stillwell is prior both as to date of conception and reduction to practice. Thompson on motion was allowed by the Examiner to amend his preliminary statement, fixing the date of conception and disclosure at August 27, 1915. During the taking of the testimony Stillwell moved to be allowed to amend his preliminary statement. The motion was denied by the Examiner who awarded priority to Thompson. On appeal the Board of Examiners in Chief allowed Stillwell's motion to amend and awarded him priority, fixing his date of conception and disclosure as early as August 25, 1915, and reduction to practice on October 30, 1915.

The Commissioner denied the right of Stillwell to amend and reversed the Examiners in Chief. From the decisions these appeals were taken.

[1] The right of a party to amend in a patent case is not different from the similar right accorded by courts in proceedings at law and in equity. Where a party, acting timely and in good faith, shows that amendment is essential to the preservation of his rights, the privilege should be accorded, and this may be done at any step in the proceedings prior to the final determination of the case in the Patent Office. If both parties were restricted to the dates given in their preliminary statements, Stillwell would prevail. The tribunals below all agree that there is no evidence of intentional misstatement on the part of either of the parties or their witnesses. The whole case, therefore, turns upon the right of Stillwell to amend after a similar privilege had been accorded Thompson.

Thompson's right to amend, and indeed his case turns on a late-discovered sketch in the possession of his principal witness Smith. It appears that on September 7, 1915, Thompson went to Parlin, N. J., in the employ of the International Steel & Ordnance Company. He was there, as he states, for the first time confronted by the problem of boring shells. Conferences were held between Thompson and the officers of the company. As a result Thompson devised the invention in issue. Smith had been associated with Thompson before going to Parlin and was his chief assistant there in the course of developing the invention. When Thompson prepared his original preliminary statement, Smith was with the American Army in France.

After Thompson discovered, from the preliminary statements, that Stillwell was prior in point of time, he wrote Smith in part as follows:

September 4th, 1918.

Captain ST. CLAIR SMITH, 58th Artillery, C. A. C., A. E. F.

My dear SAINTY:—

It is highly important that a date of conception of the boring machine be substantiated. I went to Parlin, September 7th, 1915, and after reading the Russian specifications, immediately began to mentally design machinery for the new work. I remember that at that time I concentrated on machinery to form the cavities and have sketches of several types of casting plugs. I also remember planning to use an inverted drill press of some sort, adopted with a shell holder, and wonder if I did not roughly outline my purposes to you in our many conversations.

Can you recall of my telling you my plans, and would you be willing to say that I had divulged the general scheme within three days after taking up my duties at Parlin? If you can and will write me to this effect, it will be a great help. Please do not delay a reply. • • •

Sincerely,

(Sgd.) ULDRIC THOMPSON, JR.

Smith returned Thompson's letter answering in long hand on the back thereof in part as follows:

Dear TOMMY:

Please don't think me discourteous in replying on the back of your letter, but paper up front is a very scarce article.

Yes I remember very clearly your efforts to dope out a drill almost the very day you arrived on the scene and further you made some sketches. The drill question was taken up by you the very moment you arrived and if you will remember that while we were designing the crimping machine you and I discussed the kind of machinery necessary to drill the fuse seat in the charge. • • •

As always,

ST. CLAIR SMITH.

Smith testified that after he returned to this country he discovered among his papers a pencil sketch, dated August 27, 1915, outlining the Thompson device. On the strength of this sketch Thompson amended. The testimony discloses that at the conferences at Parlin, Thompson disclosed his sketches made from time to time as the work developed. All these sketches were signed. The pencil sketch discovered by Smith, however, discloses no signature. The tribunals below all accorded Thompson the date of this drawing, August 27, 1915, as a date of conception and disclosure. Without further review of Thompson's case, we may say that on our view of the case the finding of the tribunals below may stand unimpeached, without affecting the result.

Coming to Stillwell's right to amend, it appears that he returned to New York from his annual vacation August 15, 1915, and on the following day he was informed that he was wanted at the engineering department of the Du Pont Powder Company at Wilmington, Del. He went there and in company with one Woodbury, developed the invention in issue. The original preliminary statements were filed three years later and it would not be surprising if both parties may have been uncertain as to exact dates. It was not until Stillwell's attorney made an investigation and search of the files of the Du Pont Powder Works that evidence of earlier dates than those appearing in the preliminary statement was discovered. From a letter it was ascertained that Stillwell also proceeded to Wilmington immediately. The letter dated August 16, 1915, from the chief engineer is as follows:

We are returning herewith original blue print of shell which we obtained from you through the chemical department. We also attach two photostatic prints of the shell, and one photostatic print to the chemical department's copy of this letter.

Mr. Stillwell will confer with Mr. Woodbury within the next few days in regard to the details of this installation, and he will please turn over to him the two photostatic prints attached hereto.

Mr. Stillwell was in this office today and it was agreed that he would take this matter up Wednesday the 18th inst., go over the proposition in detail with Mr. Woodbury, and make some preliminary sketches and designs of the apparatus and layout desired, submitting same to us as soon as possible. There will be some experimental work required, and we suppose Mr. Woodbury will give Mr. Stillwell the benefit of the experiments which he has so far carried on and assist him in any further work necessary.

At the time the original preliminary statement was prepared, Stillwell and Woodbury had before them a letter of September 11, 1915, written by Woodbury to the chemical department of the Du Pont Company, which among other things, contained the following statement:

We have already talked with Mr. Stillwell regarding the drilling operation and he is preparing to set up a drill press here at the laboratory in order to try out both the drilling and boring.

This, it appears, accounted for the date of conception and disclosure fixed in the original preliminary statement as "on or before September 11, 1915."

It appears from the affidavits in support of the motion to amend, that when Stillwell and Woodbury, after a search had been made by Stillwell's attorney, were confronted with the letter of August 16th they clearly recalled from the data before them the conferences appointed for August 18th and that within two days or not more than a week, August 25th thereafter, Stillwell had a second conference with Woodbury when he disclosed sketches of the invention and explained its operation.

[2] We deem it unnecessary to further review the evidence in this case since it has been analyzed in great detail both by the Examiner and the Board of Examiners in Chief. As suggested, if both parties were restricted to the dates given in their original preliminary statements, Stillwell would prevail. Our examination of the record convinces us that if either party is to be permitted to amend his preliminary statement, the right should be accorded both. Indeed, Stillwell's position in this regard is stronger and more consistent than Thompson's. We are in full accord with the reasoning and able analysis of the case, as given in the opinion of the Board of Examiners in Chief.

The decisions of the Commissioner are, therefore, reversed.

Dissenting—Mr. Chief Justice SMYTH.

PATENT SUITS.

[Notices under section 4921, Revised Statutes, as amended February 18, 1922.]

821,393, Wright & Wright, Flying machine, suit filed Dec. 1, 1921, D. C., S. D. N. Y., Doc. E 22/294, *Wright Aeronautical Corp.* v. *Ludlow Syndicate, Inc., et al.* Bill dismissed without prejudice June 5, 1923. Same, suit filed Dec. 6, 1921, D. C., S. D. N. Y., Doc. E 22/311, *Wright Aeronautical Corp.* v. *Aeronautical Equipment Co.* Bill dismissed without prejudice June 5, 1923.

871,735, J. Rashkin, Doors for elevator shafts, suit filed Feb. 20, 1922, D. C., D. Mass., Doc. E 1694, *The Peelle Co.* v. *Morrison & Skinner Co.* Final decree dismissing bill with costs entered Mar. 17, 1923. Case being appealed.

885,135, F. P. Barney, Separable cuff-link buttons, suit filed June 12, 1923, D. C., D. R. I., Doc. 171, *C. D. Lyons* v. *Parks Bros. & Rogers, Inc.*

895,412, A. C. Badger, Method of forming compound receptacles; 1,052,709, same, Expansion joints, final decree by consent dismissing bill and counterclaim without costs entered May 21, 1923, D. C., D. Mass., *A. C. Badger* v. *E. B. Badger & Sons Co.*

948,615, A. C. Pratt, Machines for making link mesh, suit filed Sept. 17, 1920, D. C., D. Mass., Doc. E 1023, *Whiting & Davis Co.* v. *S. G. Mandalian.* Final decree by consent for plaintiff for injunction entered Mar. 10, 1922. Injunction issued Apr. 1, 1922.

958,478, W. E. Davey, Process of reenforcing trees, suit filed June 7, 1923, D. C., N. D. Ohio (E. D.), Doc. 910, *The Davey Tree Expert Co.* v. *G. Van Yahres.*

970,672, 1,147,288, W. H. Whittier, Refrigerator linings, suit filed June 14, 1923, D. C., E. D. Mich. (S. D.), Doc. 586, *Grand Rapids Refrigerator Co.* v. *Wright & Tyler Co. et al.*

978,030, A. A. Kent, Illectric contact device, suit filed Mar. 17, 1922, D. C., S. D. N. Y., Doc. E 23/222, *A. Kent Mfg. Co.* v. *Gilfillan Bros., Inc.* Order of discontinuance without prejudice and costs signed and filed June 6, 1923, by consent.

1,007,498, W. H. Spencer, Illuminating devices, suit filed Dec. 27, 1921, D. C., D. Mass., Doc. E 1663, *I. P. Frink* v. *L. Erickson Electric Co.* Final decree dismissing bill with costs to defendant and granting injunction against plaintiff Feb. 26, 1923. Case being appealed.

1,022,991, E. M. White, Oiling systems for automobiles; 1,241,589, same, Interceptor for splash-lubrication crank cases; 1,256,754, same, Splash-oiling system; 1,238,233, same, Lubrication control for internal-combustion engines, suit filed Dec. 26, 1922, D. C., S. D. Calif., Doc. G 50, *E. M. White* v. *Reo Motor Car Co.* Settled out of court, action dismissed without costs to either party.

1,050,216, C. Holl, Ring fabric, suit filed Jan. 28, 1922, D. C., S. D. N. Y., Doc. E 23/72, *C. Holl* v. *B. Schanfein et al.* Consent decree adjudging infringement and granting injunction June 11, 1923.

1,052,709. (See 895,412.)

1,090,776, H. H. Boyce, Indicating system and apparatus for internal-combustion engines; 1,275,654, same, Indicating means for motor-propelled vehicles; 1,311,152, same, Means for indicating the condition of internal-combustion engines, decree pro confesso sustaining patents, adjudging infringement, and granting perpetual injunction filed Sept. 9, 1922, D. C., S. D. N. Y., *H. H. Boyce et al.* v. *Macmaster & Lindner, Inc.*

1,113,149, E. H. Armstrong, Wireless receiving systems, suit filed June 5, 1923, D. C., S. D. N. Y., Doc. E 26/368, *Westinghouse Electric & Mfg. Co.* v. *Cutting & Washington Radio Corp.* Same, suit filed June 13, 1923, D. C., S. D. N. Y., Doc. E 26/389, *Westinghouse Electric & Mfg. Co.* v. *Mogul Electric Co., Inc., et al.* Consent decree adjudging infringement and granting injunction filed June 15, 1923.

1,147,288. (See 970,672.)

1,153,089, W. Jay, Fuel-feeding device for internal-combustion engine, suit filed June 16, 1923, D. C., E. D. Mich. (S. D.), Doc. 587, *W. Jay et al.* v. *Maxwell Motor Corp.*

1,212,128, Chamberlin & Fezzey, Double-compartment packages for mailing purposes, appeal filed May 12, 1923, C. C. Appeals (8th Cir.), Doc. 6362, *C. T. Fezzey* v. *Bemis Bros. Bag Co.*

1,238,233. (See 1,022,991.)

1,241,589. (See 1,022,991.)

1,256,754. (See 1,022,991.)

1,269,964, 1,431,186, T. C. Schenk, Clamping device for the connection of poles, balks, and the like, consent and order of discontinuance signed and filed June 13, 1923, D. C., S. D. N. Y., *Schenk Timber Clamp Corp. et al.* v. *Pyle-Rogers Corp.*

1,275,654. (See 1,090,776.)

1,311,152. (See 1,090,776.)

1,326,139, L. S. Riley, Mounting corners, suit filed Jan. 10, 1921, D. C., D. Mass., Doc. E 1059, *S. L. Sneierson* v. *L. S. Riley et al.* Final decree pursuant to stipulation dismissing bill without costs May 19, 1922.

1,385,702. (See Des. 53,600.)

1,396,449, J. G. Maclaren, Pneumatic-dispatch apparatus; 1,443,795, same, Governing means for pneumatic systems, suit filed June 13, 1923, D. C., S. D. N. Y., Doc. E 26/390, *The Standard Carrier Co.* v. *G. & G. Atlas Systems, Inc.*

1,422,776, H. Maxeuchs, Flexible metallic structure, consent and order of discontinuance signed and filed June 15, 1923, D. C., S. D. N. Y., *Maxenchs & Saladrigas (H. Maxenchs & Co.)* v. *H. Seidman et al.*

1,431,186. (See 1,269,964.)

1,438,440, H. F. Jackson, Advertising devices, suit filed June 12, 1923, D. C., W. D. Mich. (S. D.), Doc. 1987, *L. R. Conwell* v. *The Beckwith Co.*

1,443,795. (See 1,396,449.)

1,447,703, F. C. Whittington, Automatic bumper, suit filed June 9, 1923, D. C., W. D. Mich., Doc. 1985, *Stewart-Warner Speedometer Corp.* v. *New Era Spring & Specialty Co.* Same, Doc. 1986, *Stewart-Warner Speedometer Corp.* v. *Wolverine Bumper & Specialty Co.*

Des. 53,600, 1,385,702, T. Mountford, Setting for precious stones, suit filed Oct. 11, 1921, D. C., D. Mass., Doc. E 1410, *Blancard & Co., Inc.* v. *T. G. Frothingham & Co., Inc.* Final decree by consent for injunction entered Mar. 13, 1922.

ADVERSE DECISIONS IN INTERFERENCE.

In interferences involving the indicated claims of the following patents final decisions have been rendered that the respective patentees were not the first inventors with respect to the claims listed:

Pat. 1,270,559, S. Simpson, Clutch facing, decided May 14, 1923, claim 2.

Pat. 1,332,923, W. Shurtleff, Heating and ventilating unit, decided July 10, 1923, claim 8.

Pat. 1,397,275, J. J. Fitzgerald, Gage device, decided June 11, 1923, claims 1, 5, and 7.

Pat. 1,432,925, G. Thompson, Impulse sender, decided June 19, 1923, claims 3 and 5.

TRADE-MARKS

OFFICIAL GAZETTE, JULY 31, 1923.

[VOL. 312. No. 5.]

The following trade-marks are published in compliance with section 6 of the act of February 20, 1905, as amended March 2, 1907. Notice of opposition must be filed within thirty days of this publication.

Marks applied for "under the ten-year proviso" are registrable under the provision in clause (b) of section 5 of said act as amended February 18, 1911.

As provided by section 14 of said act, a fee of ten dollars must accompany each notice of opposition.

Ser. No. 143,823. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) ANSEL S. LEO, New York, N. Y. Filed Feb. 19, 1921.

LUCKY STRIKE



Particular description of goods.—Wheat Flour.
Claims use since 1916.

Ser. No. 150,895. (CLASS 4. ABRASIVE, DETERGENT, AND POLISHING MATERIALS.) GABEL BROS., Garnerville, N. Y. Filed July 25, 1921.

Black Wonder

Particular description of goods.—Stove Polish.
Claims use since June 29, 1921.

Ser. No. 154,895. (CLASS 14. METALS AND METAL CASTINGS AND FORGINGS.) UNITED ALLOY STEEL CORPORATION, New York, N. Y., and Canton, Ohio. Filed Nov. 1, 1921. Under section 9 of the act of Mar. 19, 1920.

BERGER

Particular description of goods.—Black Steel, Galvanized Steel, Rust-Resisting Anticorrosive Iron, and Iron, Steel, and Alloy-Steel Metal Sheets.
Claims use since 1896.

Ser. No. 155,589. (CLASS 39. CLOTHING.) THE AMERICAN LADY WAIST CO., New York, N. Y. Filed Nov. 19, 1921.

ATHENA

Particular description of goods.—Ladies' Waists.
Claims use since about Nov. 1, 1921.

Ser. No. 156,133. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) THE ATTICA MILLS, Attica, Kans. Filed Dec. 1, 1921.



The words "Kansas Sunshine" and "Flour" being disclaimed apart from the mark as shown in the drawing.
Particular description of goods.—Wheat Flour.
Claims use since about Feb. 10, 1921.

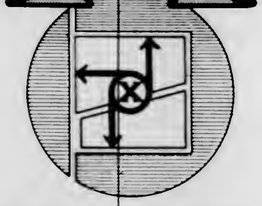
Ser. No. 158,487. (CLASS 38. PRINTS AND PUBLICATIONS.) NATIONAL PROCESS COMPANY, INC., New York, N. Y. Filed Jan. 26, 1922.

Repro-Prints

Particular description of goods.—Photo Prints.
Claims use since Oct. 12, 1921.

Ser. No. 158,929. (CLASS 35. BELTING, HOSE, MACHINERY PACKING, AND NONMETALLIC TIRES.) JOHN F. JONES, Pomona, Calif. Filed Feb. 6, 1922.

TRIPLE EX PAN SION



No claim is asked broadly for the word "Expansion" and no separate claim therefor is made for it.
Particular description of goods.—Piston Packing Rings.
Claims use since Jan. 14, 1922.

Ser. No. 159,269. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) LOS ANGELES FERTILIZER COMPANY, Oakland, Calif. Filed Feb. 13, 1922.

STAR BRAND



Applicant disclaims the use of the word "Brand" apart from the mark shown.
Particular description of goods.—Meat Scraps for Poultry Food.
Claims use since 1917.

Ser. No. 159,711. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) LIBBY, MCNEILL & LIBBY, Chicago, Ill. Filed Feb. 23, 1922.



Particular description of goods.—Pork and Beans, Meat Extracts, Bouillon Cubes, Canned Soups, Canned Fish; Canned, Dried, and Preserved Fruits, Berries, and Vegetables; Plum Puddings and Mincemeats, Olives, Pickles; Catchups and Relishes, Sauces, and Condiments for Seasoning Food; Olive Oil, Salad Oils and Salad Dressings, Marmalades, Fruit Butters, Jams, Fruit Preserves and Jellies; Fresh, Condensed, Powdered, and Evaporated Milk.
Claims use since Jan. 2, 1905.

Ser. No. 160,428. (CLASS 39. CLOTHING.) HENRI PICARD, New York, N. Y. Filed Mar. 9, 1922.



No claim is made to the exclusive use of the word "Brussels" apart from the mark as shown.
Particular description of goods.—Hats and Caps for Men, Women, and Children.
Claims use since about Jan. 31, 1922.

Ser. No. 160,429. (CLASS 39. CLOTHING.) HENRI PICARD, New York, N. Y. Filed Mar. 9, 1922.



HORS CONCOURS
Laville, Petit & Crespin
PARIS

No claim is made to the exclusive use of the words "Chapeau," "Importe," "Hors Concours," and "Paris" apart from the mark as shown.
Particular description of goods.—Hats and Caps.
Claims use since about Jan. 31, 1922.

Ser. No. 160,643. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) OCTINA A. TILLMAN, Cape May, N. J. Filed Mar. 13, 1922.

ALLISA

Particular description of goods.—Shampoo Preparation, Massage Cream, and a Preparation for the Treatment of the Hair.
Claims use since August, 1915.

Ser. No. 160,731. (CLASS 35. BELTING, HOSE, MACHINERY PACKING, AND NONMETALLIC TIRES.) VOORHEES RUBBER MFG. CO., Jersey City, N. J. Filed Mar. 15, 1922.

INTERLOCK

The trade-mark consists of the word "Interlock" arranged as shown in accompanying drawing.
Particular description of goods.—Hose Made Wholly or Partly of Rubber or a Rubber Composition.
Claims use since Feb. 23, 1922.

Ser. No. 161,200. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) ALBERT T. PETERS, doing business as Vitamineral Products Co., Peoria, Ill. Filed Mar. 24, 1922.

VITAMINERAL

Particular description of goods.—Cattle, Swine, Dairy, and Poultry Feed.
Claims use since Apr. 1, 1921.

Ser. No. 161,747. (CLASS 38. PRINTS AND PUBLICATIONS.) PACIFIC RADIO PUBLISHING CO., INC., San Francisco, Calif. Filed Apr. 4, 1922.

RADIO

Particular description of goods.—Monthly Publication.
Claims use since Oct. 20, 1921.

Ser. No. 162,148. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) TRENTON MILLING CO., Trenton, Ill. Filed Apr. 11, 1922.



These stripes are in alternate red and blue and entirely surround the container, as shown in the drawing. These horizontal stripes are in two pairs, one pair above and one pair beneath the circular design.
Particular description of goods.—Wheat Flour.
Claims use since Aug. 6, 1915.

Ser. No. 162,938. (CLASS 26. MEASURING AND SCIENTIFIC APPLIANCES.) GUSTAV MEZ, doing business as Mercedes Buro-Maschinen- und Waffen-Werke, Benshausen, Post Mehlis, in Thuringia, Germany. Filed Apr. 26, 1922.

„Elektra"

Particular description of goods.—Adding Machines and Parts Thereof; Calculating Machines, Including Those with Electric Drive, and Parts Thereof; Slide Rules, and Hand-Operated Counting Registers.
Claims use since 1920.

Ser. No. 162,939. (CLASS 26. MEASURING AND SCIENTIFIC APPLIANCES.) GUSTAV MEZ, doing business as Mercedes Buro-Maschinen- und Waffen-Werke, Benshausen, Post Mehlis, in Thuringia, Germany. Filed Apr. 26, 1922.

Euklid

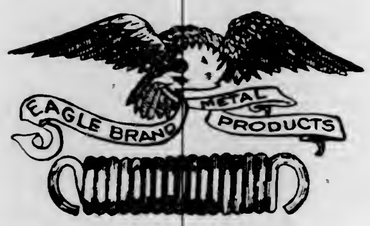
Particular description of goods.—Adding Machines and Parts Thereof; Calculating Machines, Including Those with Electric Drive, and Parts Thereof; Slide Rules, and Hand-Operated Counting Registers.
Claims use since 1909.

Ser. No. 164,204. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) UNITED STATES FOIL COMPANY, Louisville, Ky. Filed May 20, 1922.

KLONDIKE SLICE

No claim made to the word "Slice" apart from the mark as shown.
Particular description of goods.—Ice Cream.
Claims use since Apr. 28, 1922.

Ser. No. 165,501. (CLASS 13. HARDWARE AND PLUMBING AND STEAM-FITTING SUPPLIES.) MILLER & VAN WINKLE, INC., Brooklyn, N. Y. Filed June 14, 1922. Under ten-year proviso.



Particular description of goods.—Springs for General Use, Such as Compression, Extension, and Torsion Springs.
Claims use since 1884.

Ser. No. 166,082. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) WALTER MELLOR, Philadelphia, Pa., and Cummington, Mass. Filed June 26, 1922.

TODMORDEN FARM

Particular description of goods.—Raw Milk and Cream, Butter, Cheese, Cattle, Fresh Apples, Eggs; Poultry, Alive and Dressed for Food Purposes; Fresh Vegetables, and Fresh Corn.
Claims use since Jan. 9, 1922.

Ser. No. 166,371. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) HARRISON & CO., also doing business as Harrison Flour Mills Co., New York, N. Y. Filed July 1, 1922.

HARISCO

Particular description of goods.—Wheat Flour.
Claims use since May 25, 1922.

Ser. No. 166,413. (CLASS 38. PRINTS AND PUBLICATIONS.) THE TRIBUNE COMPANY, Chicago, Ill. Filed July 1, 1922.

INVESTORS' GUIDE

Trade-mark "Investors' Guide."
Particular description of goods.—Heading for a Newspaper Column.
Claims use since Dec. 15, 1915.

Ser. No. 166,573. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) EUGENE R. SCHOOLEY, doing business as Henry N. Schooley and Son, Luzerne, Pa. Filed July 7, 1922.

CHANTICLEER

Particular description of goods.—Food for Chickens.
Claims use since 1902.

Ser. No. 166,672. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) HARRISON & CO., also doing business as Harrison Flour Mills Co., New York, N. Y. Filed July 10, 1922.

ROSALIND

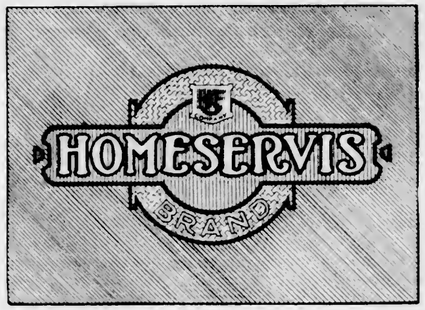
Particular description of goods.—Wheat Flour.
Claims use since June 22, 1922.

Ser. No. 166,673. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) HARRISON & CO., also doing business as Harrison Flour Mills Co., New York, N. Y. Filed July 10, 1922.

MONOPLANE

Particular description of goods.—Wheat Flour.
Claims use since June 22, 1922.

Ser. No. 167,084. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) THE HOME FOOD SERVICE COMPANY, INCORPORATED, Denver, Colo. Filed July 19, 1922.



No claim made to the word "Brand" apart from the mark shown in the drawing.
Particular description of goods.—Breakfast Cereal Foods.
Claims use since June 15, 1922.

Ser. No. 167,111. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) THE WHEACO CEREAL CORPORATION, Denver, Colo. Filed July 19, 1922.



Color is not a particular feature of the mark, the lining being for purposes of shading only, and no claim made to the words "A Pure Whole Wheat Food, Made in Denver, Colorado, U. S. A." apart from the mark shown in the drawing.
Particular description of goods.—Cereal Breakfast Foods, Wheat Flour, Pancake Flour, and Buckwheat Flour.
Claims use since Jan. 1, 1919.

Ser. No. 167,422. (CLASS 39. CLOTHING.) THOMAS G. PLANT COMPANY, Boston, Mass. Filed July 26, 1922.

FIVE TOE FITTER

No claim is made to the individual words except as combined in the mark.
Particular description of goods.—Boots, Shoes, and Slippers of Leather, Rubber, Felt, Silk, Cloth, and Other Fabric Construction.
Claims use since Dec. 22, 1921.

Ser. No. 167,580. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) THE W. R. MONTAGUE COMPANY, La Crosse, Wis. Filed July 29, 1922.

"ASK THOSE Try Me WHO EAT THEM"

Particular description of goods.—Candy.
Claims use since Mar. 1, 1914.

Ser. No. 167,714. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) CHAS. J. DAVOL, North Kingstown, R. I. Filed Aug. 2, 1922.



Particular description of goods.—Milk, Butter.
Claims use since Jan. 2, 1909.

Ser. No. 168,288. (CLASS 14. METALS AND METAL CASTINGS AND FORGINGS.) LENAH B. ARCHER, Navarre, Ohio. Filed Aug. 16, 1922.



Particular description of goods.—Alloy Made from Nickel Ore for Forging Steel.
Claims use since about Nov. 1, 1920.

Ser. No. 168,494. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) SPANGENBERG & CO., Chicago, Ill. Filed Aug. 19, 1922.

"SOMETHING TO CROW ABOUT"

Particular description of goods.—Eggs.
Claims use since May 18, 1915.

Ser. No. 169,129. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) HARRINGTON & HORD, Fort Worth, Tex. Filed Sept. 6, 1922.



THE DOG ADORED

Particular description of goods.—Article of Food Composed of Ground Meats, Catchup, and Crackers.
Claims use since Aug. 1, 1922.

Ser. No. 169,722. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) THE LONGMONT FARMERS MILLING & ELEVATOR CO., Longmont, Colo. Filed Sept. 20, 1922.



Color forms no particular part of the mark, the lining being for purposes of shading only.
Particular description of goods.—Wheat Flour.
Claims use since Apr. 10, 1922.

Ser. No. 169,908. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) KEHLOR FLOUR MILLS COMPANY, St. Louis, Mo. Filed Sept. 25, 1922.

RADIO

Particular description of goods.—Wheat Flour.
Claims use since Sept. 1, 1922.

Ser. No. 170,359. (CLASS 35. BELTING, HOSE, MACHINERY PACKING, AND NONMETALLIC TIRES.) BAKER, HAMILTON AND PACIFIC COMPANY, San Francisco, Calif. Filed Oct. 6, 1922.

STILETTO

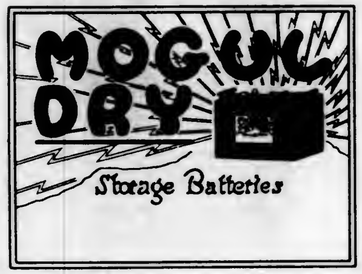
Particular description of goods.—Garden Hose.
Claims use since July, 1920.

Ser. No. 170,916. (CLASS 39. CLOTHING. WEDGE HEEL & RUBBER CO. INC., Fort Wayne, Ind. Filed Oct. 18, 1922.



Particular description of goods.—Rubber Heels.
Claims use since August, 1922.

Ser. No. 171,135. (CLASS 21. ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES.) MOGUL ELECTRIC COMPANY, Seattle, Wash. Filed Oct. 24, 1922.



No claim is made to "Dry Storage Batteries" or to the representation of a battery apart from the mark shown.
Particular description of goods.—Batteries.
Claims use since July 1, 1922.

Ser. No. 171,139. (CLASS 4. ABRASIVE, DETERGENT, AND POLISHING MATERIALS.) GEORG SCHICHT A. G., Aussig, Czechoslovakia. Filed Oct. 24, 1922.



All wording appearing on the drawing, with the exception of the words "de Hudetz," are disclaimed apart from the mark shown.
Particular description of goods.—Toilet and Medicinal Soap.
Claims use since May, 1922.

Ser. No. 171,147. (CLASS 4. ABRASIVE, DETERGENT, AND POLISHING MATERIALS.) GEORG SCHICHT A. G., Aussig, Czechoslovakia. Filed Oct. 24, 1922.



All the wording appearing on the drawing, with the exception of the words "de Hudetz," are disclaimed apart from the mark shown.
Particular description of goods.—Toilet and Medicinal Soap.
Claims use since May, 1922.

Ser. No. 171,442. (CLASS 21. ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES.) BRUNO RADIO CORPORATION, New York, N. Y. Filed Nov. 1, 1922.



Particular description of goods.—Radio Sending Sets, Radio Receiving Sets, Assembled and Not Assembled.
Claims use since July 1, 1922.

Ser. No. 171,523. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) AUSTIN, NICHOLS & CO. INC., Brooklyn, N. Y. Filed Nov. 3, 1922.

MALLARD



Particular description of goods.—Apricots, Black Cherries, White Cherries, Peaches, Pears, Pineapple, Egg Plums, Green Gage Plums, Blackberries, Gooseberries, Black Raspberries, Red Raspberries; Canned Vegetables—Namely, Asparagus; Pickled Peaches; Fruit Preserves—Namely, Peach, Plum, Blackberry, Strawberry, Raspberry, Strawberry Jam; Canned Fish—Namely, Salmon, Sardines, Shrimp, Clam Chowder, Fish Flakes, Lobster, Cove Oysters; Spices—Namely, Allspice, Cinnamon, Cloves, Jamaica Ginger, African Ginger, Ground Mustard, Nutmeg, Paprika, Black Pepper, Cayenne Pepper, Red Pepper, White Pepper; Tomato Catchup, Piccalilli, Salad Dressing, Chili Sauce, Chowchow, Pearl Onions, Sour Gherkin Pickles, Sour Pickles, Sour Mixed Pickles, Sweet Pickles, Sweet Mixed Pickles, Sweet Gherkins, Sour Relish, Cider Vinegar, Olives, Birdseed, Shelled Popping Corn, Toasted Corn Flakes, Evaporated Milk, Prepared Mustard, Apple Butter, Peanut Butter, Chocolate, Coffee, Tea, Raisins, and Currants.
Claims use since about July, 1900.

Ser. No. 171,829. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) BUSY BEE CANDY COMPANY, St. Louis, Mo. Filed Nov. 11, 1922.

BUSY BEE

Particular description of goods.—Candy and Cakes.
Claims use since Feb. 20, 1886.

Ser. No. 171,880. (CLASS 39. CLOTHING.) UNITED STATES RUBBER COMPANY, New Brunswick, N. J., and New York, N. Y. Filed Nov. 11, 1922.

REVERE

Particular description of goods.—Rubber Heels.
Claims use since Oct. 2, 1922.

Ser. No. 172,327. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) FORD FLOUR COMPANY, INC., Wilmington, Del., and Nashville, Tenn. Filed Nov. 21, 1922.

WILL RISE

Particular description of goods.—Self-Rising Flour.
Claims use since July, 1922.

Ser. No. 172,353. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) PARK & TILFORD, New York, N. Y. Filed Nov. 25, 1922.



Particular description of goods.—Fruit (in Jars)—Maraschino Cherries, Washed Figs, Stuffed Figs and Dates, Stuffed Fard Dates, Imperiales Fleurs (French

Prunes); Cherries, Fresh Red; Peaches, Fresh; Pears, Fresh; Pineapple, Fresh; Raspberries, Fresh; Peaches, Pickled; Strawberries, Preserved; Fruits (in Glass)—Fruit Salad, Fruit Cocktail; Figs, Preserved; Watermelon Rind; Strawberries, Preserved; Kumquats, Preserved; Melange, Preserved; Cherries, Preserved; Fruits (in Tins)—Apples, Apple Sauce; Apricots; Apricots, Peeled; Apricots, Whole; Blackberries, Blueberries, Royal Anne Cherries, Red Pitted Cherries, Royal Purple Cherries, Cranberry Sauce, Egg Plums, Royal Purple Plums, Red Raspberries, Skinless Figs, Whole Fresh Figs, Fruit Cocktail, Fruit Salad, Grapefruit, Loganberries, Melba Peaches, Yellow Cling Peaches, Bartlett Pears, Sliced Hawaiian Pineapple, Grated Hawaiian Pineapple, Green Gage Plums, Black Raspberries, Strawberries, Sliced Yellow Cling Peaches; Fruits (Dried)—Currants, Imported Sultana Seedless Raisins, Seeded Muscat Raisins, Seedless Raisins, Golden Dates, Oregon Prunes, California Prunes; Apricots, Extra Fancy; Pears, Extra Fancy Jumbo; Peaches, Practically Peeled; Vegetables (in Tins)—Asparagus, Giant Peeled White; Asparagus, Giant Peeled Green; Asparagus, Special Giant Green; Asparagus, Special Giant White; Asparagus, Giant White; Asparagus, Giant Green; Asparagus, Mammoth Green; Asparagus, Mammoth White; Asparagus Tips, Medium Green; Asparagus Tips, Medium White; Lima Beans, Extra Small; Lima Beans, Small; String Beans, Extra Tiny; String Beans, Extra Small; String Beans, Refugee; Cut String Beans, Red Kidney Beans; Golden Wax Beans, Extra Small; Golden Wax Beans, Cut; Ruby Beets, Extra Small; Brussels Sprouts, Country Gentleman Corn, Fancy Maine Corn, Golden Bantam Corn; Corn on Cob, Golden Bantam; Okra, Whole Dwarf; Okra, Cut; Okra and Tomatoes, Petit Pois Peas; Peas, Extra Sifted Early June; Peas, Early June Sifted; Peas, Early June; Peas, Extra Sweet Fine; Peas, Sweet Fine; Potatoes, Sweet; Pumpkin, Rhubarb, Sauerkraut; Succotash, Extra Fancy; Succotash, Golden Bantam; Spinach, Natural Free from Grit; Squash; Tomatoes, Extra Fancy Hand-Packed Jersey; Tomatoes, Extra Fancy; Tomatoes, Fancy Jersey; Tomato Paste, Concentrated; Tomato Puree; Vegetables (in Glass)—Sweet Cucumber Rings; Jams and Marmalade (in Glass)—Apricot Jam, Blackberry Jam, Cherry Jam, Black-Currant Jam, Red-Currant Jam, Damson Jam, Grape Jam, Peach Jam, Pineapple Jam, Plum Jam, Raspberry Jam, Strawberry Jam, Orange Marmalade; Jellies (in Glass)—Blackberry, Crabapple, Black Currant, Red Currant, Grape, Mint (with Apple), Quince, Raspberry (with Currant), Florida Guava Jelly, Bar-le-Duc; Fish (in Tin)—Lobster; Shrimp, Dry; Shrimp, Wet; Tunny; Salmon Steak, Royal Chinook; Salmon, Sockeye Red; Salmon, Red Alaska; California Sardines; Sauces—Hot Sauce, Mint Sauce, Mélba Sauce, Salad Dressing, Tomato Catchup, Chili Sauce, Oyster-Cocktail Sauce; Olives-Capers (in Glass)—Capers, Olives; Miscellaneous Groceries—Chocolate Nut Butter, Peanut Butter, Grated Cheese, Chicken Livers, Creamed Chicken, Potted Chicken, Chicken in Jelly; Chocolate, Unsweetened; Sweet Chocolate, Single Vanilla; Sweet Chocolate, Double Vanilla; Sweet Chocolate, Triple Vanilla; Sweet Chocolate, Cocoa; Honey, Orange Blossom; Marrons; Marrons, Glacé; Marshmallow, Mincemeat, Prepared Mustard, Salted Nuts, Shelled Fancy Mixed Nuts, Ripe Olives, Plum Pudding, Whole Dill Pickles, Sweet Gherkins, Sweet Mixed Pickles, Sour Mixed Pickles, Sour Gherkins, Pickled Onions, Sweet Relish, Chowchow, Vermont Maple Sugar, Vermont Maple Cream, Vermont Soft Maple Sugar, Vermont Maple Sirup, Vanilla Beans, Cider Vinegar, Bird Food, Coconut, Sago, Pearl Tapioca, Fine Barley, Pearl Barley, Farina, Rice; Tapioca, Flake; Yellow Split Peas, Green Split Peas, Cornstarch, Rice Flour, Bay Leaves, Marjoram, Savory, Mint, Sage, Thyme, Vanilla Extract for Food Purposes, Lemon Extract for Food Purposes, Almond Extract for Food Purposes, French Wine Vinegar, Crystallized Stem Ginger, Stuffed Prunes, Stuffed Dates, Peppermint Extract for Food Purposes, Strawberry Extract for Food Purposes, Raspberry Extract for Food Purposes, Pioneer Coffee, Spices, Pioneer Orange Pekoe Ceylon Tea, Individual Tea, Gelatin Jelly Powder, Rolled Oats, Norwegian Brisling Sardines, Norwegian Kippered Herring, Norwegian Herring in Tomato Sauce, Norwegian Soused Mackerel, Anchovies in Glass, Hors d'Œuvre; Olives, Farcies; Rhubarb, Spanish Pimientos, Codfish; Smyrna Figs, Layer; Smyrna Figs, Pulled; Spanish Muscatel Raisins, Glacé Fruit, Glacé Cherries.

Claims use since Sept. 1, 1921.

Ser. No. 173,004. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) PEANUT GROWERS ASSOCIATION, Norfolk, Va. Filed Dec. 6, 1922.

Pickaninny

Particular description of goods.—Peanuts, Shelled and Unshelled; Salted Peanuts, Peanut Butter, Peanut Oil, and Peanut Meal.

Claims use since Sept. 1, 1921.

Ser. No. 173,565. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) COWICHE CREAMERY, Cowiche, Wash. Filed Dec. 19, 1922.

COWICHE

Particular description of goods.—Dairy Products—Namely, Butter, Cheese.

Claims use since Jan. 1, 1917.

Ser. No. 173,776. (CLASS 38. PRINTS AND PUBLICATIONS.) EUGENE B. MCCANN, doing business as Mutual Benefit Association, New York, N. Y. Filed Dec. 23, 1922.

WE ACCEPT BENEFIT DYMES

Trade-mark consists of the words "Benefit Dymes" inscribed in contour letters in a six-pointed star. The words "We Accept" and "Dymes" not being claimed as part of the mark.

Particular description of goods.—Coupons for the Purchase of merchandise.

Claim use since Dec. 15, 1922.

Ser. No. 174,102. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) THE QUAKER OATS COMPANY, Chicago, Ill. Filed Jan. 2, 1923.

The BIG "Q"

Particular description of goods.—Wheat Flour and Stock Feeds.

Claims use since 1917.

Ser. No. 174,509. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) CASE-TEEL COMPANY, INC., Jackson, Miss., and New Orleans, La. Filed Jan. 12, 1923

BETTA

Particular description of goods.—Stock and Poultry Feed.

Claims use since Sept. 1, 1922.

Ser. No. 174,597. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) THE SOUTHWESTERN MILLING COMPANY, INC., New York, N. Y. Filed Jan. 13, 1923.

THE SOUTHWESTERN MILLING CO., INC.

HARINA SUPERIOR

LA PALOMA

KANSAS CITY, U. S. A.

The lining in the drawing is intended to denote the color blue. Exclusive use of the words "Harina Superior, Kansas City, U. S. A." are disclaimed apart from the mark shown.

Particular description of goods.—Wheat Flour.

Claims use since October, 1914.

Ser. No. 174,679. (CLASS 39. CLOTHING.) TUXEDO SHIRT CO. INC., New York, N. Y. Filed Jan. 16, 1923.

TRUHU

Particular description of goods.—Men's Shirts for Dress, Negligee, and Work Purposes.

Claims use since Jan. 2, 1923.

Ser. No. 174,685. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) ANNA CREAMERY COMPANY, Anna, Ohio. Filed Jan. 17, 1923.

ANNA MAID

Particular description of goods.—Butter.

Claims use since Jan. 6, 1923.

Ser. No. 174,955. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) BISHOP & COMPANY, Los Angeles, Calif. Filed Jan. 23, 1923.

MELT AWAY

Particular description of goods.—Cookies.

Claims use since Nov. 20, 1922.

Ser. No. 174,956. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) BISHOP & COMPANY, Los Angeles, Calif. Filed Jan. 23, 1923.

POPPY

Particular description of goods.—Cookies.

Claims use since Nov. 20, 1922.

Ser. No. 175,183. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) G. E. BURSLEY & COMPANY, Fort Wayne, Ind. Filed Jan. 27, 1923.

LITTLE ELF



Particular description of goods.—Rolled Oats, Coffee, Salted Peanuts, Candy Kisses, Spaghetti, Macaroni, Egg Noodles, Cane and Maple Sirup, Evaporated Milk, Rice, Tapioca, Dry Beans, Cocoa, Salad Dressing, Tea, Mincemeat, Olive Oil, and Cornstarch for Food Purposes.

Claims use since Apr. 15, 1919.

Ser. No. 175,227. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) ROYAL C. VILAS, Fowl River, Ala. Filed Jan. 27, 1923.

"ATLASTA"

Particular description of goods.—Citrous Fruits, Fresh and Canned, and Nuts, Shelled and Unshelled.
Claims use since June, 1922.

Ser. No. 175,262. (CLASS 46. FOODS AND INGREDIENTS.) NAFZIGER BAKING COMPANY, Kansas City, Mo. Filed Jan. 29, 1923.

fluffy-loaf

The word "Loaf" is hereby disclaimed apart from the other features of the mark shown on the drawing.
Particular description of goods.—Bread.
Claims use since April, 1922.

Ser. No. 175,282. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) VITIMIN MILLING COMPANY, Los Angeles, Calif. Filed Jan. 29, 1923.

VITIMIN

The color line appearing in the drawing represents red.
Particular description of goods.—Bread.
Claims use since February, 1921.

Ser. No. 175,283. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) VITIMIN MILLING COMPANY, Los Angeles, Calif. Filed Jan. 29, 1923.

VITIMIN

The color line appearing in the drawing represents red.
Particular description of goods.—Wheat Flour.
Claims use since September, 1920.

Ser. No. 175,292. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) CLEON E. ANDERSON, doing business as D. W. Anderson Drug Co., Moroni and Ephraim, Utah. Filed Jan. 30, 1923.

TOXO

Particular description of goods.—Preparation for Canker and Sore Throat.
Claims use since Jan. 15, 1921.

Ser. No. 175,367. (CLASS 38. PRINTS AND PUBLICATIONS.) G. L. MILLER & COMPANY, INC., Wilmington, Del., and New York, N. Y. Filed Jan. 31, 1923.

SYMBOL OF SAFETY
MILLER BONDS

No claim is made to the words "Miller Bonds."
Particular description of goods.—Bonds, Certificates, Booklets, Stories.
Claims use since Jan. 1, 1919.

Ser. No. 175,416. (CLASS 38. PRINTS AND PUBLICATIONS.) TIMES PRINTING COMPANY OF SEATTLE, Seattle, Wash. Filed Feb. 1, 1923.

I SEE
BY THE PAPERS

Particular description of goods.—Column of News in Its Newspaper, Said Column Appearing from Time to Time.
Claims use since Apr. 14, 1921.

Ser. No. 175,480. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) FOLEY FOOD PRODUCT COMPANY, Washington, D. C. Filed Feb. 3, 1923.

LADDIE BUN

No claim made to the word "Bun" apart from the mark shown.
Particular description of goods.—Food Product—a Frankfurter Inclosed in a Roll or Biscuit and Popularly Known as "Hot Dog."
Claims use since Jan. 18, 1923.

Ser. No. 175,525. (CLASS 39. CLOTHING.) SEARS, ROEBUCK AND CO., Chicago, Ill. Filed Feb. 3, 1923.

The Prof. Dale TruLift

Particular description of goods.—Corsets.
Claims use since July 9, 1921.

Ser. No. 175,779. (CLASS 39. CLOTHING.) THE FERRIS BROS. COMPANY, New York, N. Y. Filed Feb. 9, 1923.

Ferris

SENSIBLE STOUT

The word "Stout" is disclaimed apart from the mark shown in the drawing.
Particular description of goods.—Corsets, Corset Waists, and Brassières.
Claims use since September, 1922.

Ser. No. 175,801. (CLASS 32. FURNITURE AND UPHOLSTERY.) BENJAMIN F. LINDSLEY, doing business as The Perfection Bed Spring Company, Mansfield, Ohio. Filed Feb. 9, 1923.



Applicant disclaims all of the wording appearing on the drawing except the words "Perfection Bed Spring Co.," and also disclaims the representation of a Chaintop spring, in so far as it is descriptive of the article.
Particular description of goods.—Bed Springs.
Claims use since Oct. 1, 1922.

Ser. No. 175,871. (CLASS 38. PRINTS AND PUBLICATIONS.) CHARLES WILLIAM KAHLES, Queens, N. Y. Filed Feb. 10, 1923.

Hairbreadth Harry

Particular description of goods.—Cartoon Feature Sold to Various Newspapers and Newspaper Syndicates of the United States.
Claims use since 1907.

Ser. No. 175,917. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) CITY OF PARIS DRY GOODS COMPANY, San Francisco, Calif. Filed Feb. 12, 1923.



No claim is made to the words "City of Paris" appearing on the drawing. The lining on the drawing indicates the color blue.
Particular description of goods.—Bath Salts.
Claims use since Jan. 15, 1922.

Ser. No. 176,196. (CLASS 38. PRINTS AND PUBLICATIONS.) LEGION PUBLISHING CORPORATION, New York, N. Y. Filed Feb. 17, 1923.

BUDDY *in the* BARREL



Particular description of goods.—Magazine Section.
Claims use since January, 1921.

Ser. No. 176,329. (CLASS 39. CLOTHING.) THE CROFUT & KNAPP CO., South Norwalk, Conn. Filed Feb. 20, 1923.

DE LUXE

Particular description of goods.—Caps and Hats of Felt, Straw, Silk, Cloth, and Fur, for Men and Women.
Claims use since Feb. 1, 1906.

Ser. No. 176,626. (CLASS 38. PRINTS AND PUBLICATIONS.) HILLBERN THRIFT CORPORATION, Chicago, Ill. Filed Feb. 26, 1923.

HILLBERN
Automatic
SAVINGS

Particular description of goods.—Printed Books.
Claims use since Dec. 1, 1922.

Ser. No. 176,629. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) INDIANAPOLIS ABATTOIR COMPANY, Indianapolis, Ind. Filed Feb. 26, 1923.

INDIANAPOLIS ABATTOIR CO'S

Particular description of goods.—Hams, Bacons, Sausages, Shoulders, Minced Luncheon Meat, Pressed Meat, Luncheon Tongue, Sliced Dried Beef, Jowl, Head Cheese, Smoked Boneless Butts, and Lard.
Claims use since 1907.

Ser. No. 176,654. (CLASS 38. PRINTS AND PUBLICATIONS.) GEO. D. ROPER CORPORATION, Rockford, Ill. Filed Feb. 26, 1923.

Recifile

Trade-mark consists of the word "Recifile."
Particular description of goods.—Compilation of Recipes, Card Index of Recipes, and Printed Recipes.
Claims use since Feb. 13, 1923.

Ser. No. 176,801. (CLASS 39. CLOTHING.) MORGAN SHOE COMPANY, Boston, Mass. Filed Mar. 1, 1923.

Nurse's Aide

Particular description of goods.—Nurses' Shoes Made Wholly or in Part of Leather and Fabric.
Claims use since Mar. 1, 1921.

Ser. No. 176,804. (CLASS 39. CLOTHING.) IDA MUNZER, INC., New York, N. Y. Filed Mar. 1, 1923.

Doris Brassiere

No claim is made to the word "Brassière" aside from the mark shown.
Particular description of goods.—Brassières.
Claims use since Jan. 15, 1923.

Ser. No. 177,059. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) LOUELLA WHITT, Malvern, Iowa. Filed Mar. 6, 1923.



LOUELLA'S DISINFECTANT

No claim is made to the word "Disinfectant" apart from the mark as shown. The mark consists of a picture of the registrant with her first name, "Louella," therebeneath.
Particular description of goods.—Disinfectant.
Claims use since Mar. 7, 1922.

Ser. No. 177,187. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) MABINELLO COMPANY, La Crosse, Wis. Filed Mar. 9, 1923.

YOUTHGLOW

Particular description of goods.—Rouge and Face Powder.
Claims use since July, 1921.

Ser. No. 177,269. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) DRS. BROWN AND BROWN, Chicago, Ill. Filed Mar. 12, 1923.

Pyro-Pack

Particular description of goods.—Medicated Wax for the Treatment of Pyorrhea.
Claims use since Jan. 31, 1923.

Ser. No. 177,371. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) MARSHALL FIELD & COMPANY, Chicago, Ill. Filed Mar. 13, 1923.

TUDOR

Particular description of goods.—Scissors, Shears, and Pocketknives.
Claims use since July 1, 1922.

Ser. No. 177,459. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) ALMON J. WHITE, Carrollton, Mo. Filed Mar. 14, 1923.

SANTO

Particular description of goods.—Tonic Compound for Treating Worms, Thumps, and the Digestive Organs in Hogs and Other Live Stock.
Claims use since Sept. 15, 1922.

Ser. No. 177,492. (CLASS 39. CLOTHING.) ABRAHAM A. KAHIL, doing business as The Guarantie Company, New York, N. Y. Filed Mar. 15, 1923.

GUARANTIE

No claim is made herewith to the registration of the word "Tie" and the representation of a necktie apart from the mark shown in the drawing.
Particular description of goods.—Neckties, Scarfs, and Sweaters.
Claims use since Mar. 6, 1923.

Ser. No. 177,510. (CLASS 35. BELTING, HOSE, MACHINERY PACKING, AND NONMETALLIC TIRES.) PACKARD MOTOR CAR COMPANY OF NEW YORK, New York, N. Y. Filed Mar. 15, 1923.

LUCKSTONE

Particular description of goods.—Rubber Tubes for Pneumatic Tires.
Claims use since 1919.

Ser. No. 177,529. (CLASS 45. BEVERAGES, NONALCOHOLIC.) THE VITA FOOD COMPANY, Chicago, Ill. Filed Mar. 15, 1923.

VITA-CHOCOLATE

No exclusive right being claimed in the word "Chocolate" apart from the mark shown on the drawing.
Particular description of goods.—Maltless Chocolate Cereal Beverages.
Claims use since Feb. 1, 1923.

Ser. No. 177,679. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) LEVITE MANUFACTURING COMPANY, Dothan, Ala. Filed Mar. 19, 1923.

"PALMETTA"

Particular description of goods.—Tonic to be Applied to the Human Scalp and as a Tonic and Dressing for the Human Hair.
Claims use since Feb. 6, 1922.

Ser. No. 177,727. (CLASS 39. CLOTHING.) H. L. DISTILLATOR & SON, New York, N. Y. Filed Mar. 20, 1923.

H & SON

Oak Ridge

Particular description of goods.—Ladies' Hats.
Claims use since July 14, 1923.

Ser. No. 177,736. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) THEODORE GOLDBLUM, doing business as Stanley Drug Company, Philadelphia, Pa. Filed Mar. 20, 1923.

STANTON

VIN-COD

Particular description of goods.—Medicine for Treatment of General Debility, Nervous Prostration, Phthisis, Tuberculosis, Emaciation, Scrofula, Winter Cough, and Bronchitis.
Claims use since May 27, 1921.

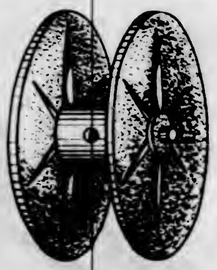
Ser. No. 177,763. (CLASS 39. CLOTHING.) HARRY BERGER, doing business as Harry Berger Shirt Company, New York, N. Y. Filed Mar. 21, 1923.

Harry Berger

SWISS POPLIN

No claim is made herein for registration of the words "Swiss Poplin" except in the association shown in the drawing, no common-law rights in such words, however, being waived.
Particular description of goods.—Men's and Boys' Shirts—Namely, Dress, Negligee, and Work Shirts.
Claims use since Jan. 1, 1923.

Ser. No. 177,776. (CLASS 40. FANCY GOODS, FURNISHINGS, AND NOTIONS.) THE GRIFFING MANUFACTURING CO., Norwalk, Conn. Filed Mar. 21, 1923.



GOOD-BRAID MADE BY THE G. M. CO.

The words "Good Braid Made by" is disclaimed apart from the mark as shown.

Particular description of goods.—Braids of Silk, Cotton, Mercerized, and Mixtures, Tinsel Braids, Cord Edge, Tubular, Soutache, Hercules, and Shell Braids, of Silk, Cotton, Mercerized, and Mixtures.

Claims use since Dec. 11, 1922.

Ser. No. 177,801. (CLASS 39. CLOTHING.) REIFFMAN-CORN INC., New York, N. Y. Filed Mar. 21, 1923.

VEST-O SHIRT

No claim is made to the word "Shirt" apart from the mark as shown in the drawing.

Particular description of goods.—Vests for Outer Wear for Men.

Claims use since Jan. 20, 1923.

Ser. No. 177,832. (CLASS 39. CLOTHING.) DALTON HOSIERY MILLS, Dalton, Ga. Filed Mar. 22, 1923.

DREAM-SILK

No claim made to the exclusive use of the word "Silk" apart from the mark as shown in the drawing. Trade-mark consists of the words "Dream Silk."

Particular description of goods.—Hosiery.

Claims use since Feb. 1, 1923.

Ser. No. 177,861. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) THEODORE MILLER, New York, N. Y. Filed Mar. 22, 1923.

Tar-Off

Particular description of goods.—Tooth Paste.

Claims use since July, 1915.

Ser. No. 177,915. (CLASS 39. CLOTHING.) KNOTHE BROTHERS CO., INC., New York, N. Y. Filed Mar. 23, 1923.

The Club

Particular description of goods.—Garters, Waist Belts, and Suspenders.

Claims use since Jan. 18, 1923, on garters; since Feb. 7, 1923, on belts; since Mar. 19, 1923, on suspenders.

Ser. No. 178,019. (CLASS 38. PRINTS AND PUBLICATIONS.) AMERICAN MUTUAL LIABILITY INSURANCE COMPANY OF BOSTON, Boston, Mass. Filed Mar. 26, 1923.

AMERICAN MVTVAL MAGAZINE

Particular description of goods.—Monthly Publication.

Claims use since Sept. 1, 1921.

Ser. No. 178,049. (CLASS 26. MEASURING AND SCIENTIFIC APPLIANCES.) CLIFFORD M. LARSON, Chicago, Ill. Filed Mar. 26, 1923.

VISGAGE

Particular description of goods.—Liquid Gauges, Gauges for Measuring the Relative Change in Gravities of Liquids, and Gauges for Measuring the Percentage of Dilution of Viscosity of Liquids.

Claims use since Feb. 1, 1923.

Ser. No. 178,178. (CLASS 45. BEVERAGES, NON-ALCOHOLIC.) FRANK L. GRASSINI, doing business as Globe Beverage Co., Chicago, Ill. Filed Mar. 28, 1923.



The word "Beverage" and the representation of a bottle are disclaimed apart from the mark shown on the drawing.

Particular description of goods.—Nonalcoholic, Maltless Beverage Sold as a Soft Drink.

Claims use since Feb. 1, 1923.

Ser. No. 178,198. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) STOWE & WOODWARD COMPANY, Newton and Newton Upper Falls, Mass. Filed Mar. 28, 1923.

NOMARKOFF

Particular description of goods.—Rubber-Covered Rolls for Paper Mills, Tanneries, Bleacheries, Etc.

Claims use since Dec. 1, 1922.

Ser. No. 178,528. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) MARSHALL-WELLS COMPANY, Duluth, Minn. Filed Apr. 3, 1923.

Zenith

Particular description of goods.—Nail Hammers, Tack Hammers, Engineer's or Plow Hammers, Machinists' Hammers, Prospecting Picks, Tinners' and Machinists' Riveting Hammers; Farriers', Shoemakers', and Brick Hammers; Bricklayers' Scutches; Hatchets, Including Broad, Half, Shingling, Lathing, Box, and All Fancy Hatchets; Axes, Single and Double Bit, Boys', Cruisers', and Hunters'; Broadaxes, Adzes, Handles of All Kinds; Saws, Crosscut, One-Man, Hand, Panel, and Rip; Miter-Box Saws, Keyhole and Compass Saws, Saws in Sets, Miter Boxes, Butcher Saws, Coping Saws, Bucksaws, Hack Saws, Hack-Saw Blades, Saw Sets, Saw Vises, Planes, Floor Scrapers and Floor Planes; Spokeshaves, Drawknives, Peeling Knives; Carpenters' Chisels, Carpenters' Slicks, Plastering and Brick Trowels, Toilet Clippers, Shears and Scissors, Tinners' Snips, Butcher Knives, Household Knives, Paring Knives, Putty Knives, Carvers, Game Shears, Chain Drills, Screw Drivers, Bit Braces, Extension Bit Holders, Auger Bits, Ship Auger and Car Bits, Expansive Auger Bits, Screw-Driver Bits, Reamer Bits and Countersinks, Awls and Tools in Sets, Cold Chisels, Punches, and Nail Sets; Pliers, Whether Combination or Side Cutting; Wire-Cutting Nippers and Fence Pliers, Belt Punches, Ticket Punches, Files, Shovels, Tiling Spades, Scoops, Telegraph Spoons and Shovels, Railroad Picks, Clay Picks, Grub Hoes and Mattocks, Hayforks of All Kinds, Garden Hoes and Rakes, Hand Cultivators, Scythes and Snaths, Lawn Mowers, Grass Shears, Grass Hooks, Hunting Knives, Razors, Striking and Drilling Hammers, Stone Hammers and Stone Sledges, Blacksmith Sledges, Ship Mauls, Spike Mauls, Wood-Choppers' Mauls, Railroad-Track Chisels, Carpenters' Ripping Bars, Automatic Screw Drivers, Automatic Drills, Hand Drills, Breast Drills, Twist Drills, Reamers, and Wrenches.

Claims use since about Mar. 1, 1923.

Ser. No. 178,560. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) HECHT & MENDES INCORPORATED, New York, N. Y. Filed Apr. 4, 1923.



Particular description of goods.—Cotton Fabrics, Cotton and Silk, Mixed Fabrics, Cotton and Wool Mixed Fabrics, Silk and Wool Mixed Fabrics, and All-Silk Fabrics.

Claims use since Mar. 1, 1923.

Ser. No. 178,566. (CLASS 15. OILS AND GREASES.) PENNSYLVANIA LUBRICATING COMPANY, Pittsburgh, Pa. Filed Apr. 4, 1923.

CASTROLEUM

Particular description of goods.—Lubricating Oils and Greases.

Claims use since Mar. 15, 1923.

Ser. No. 178,604. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) GARFIELD WORSTED MILLS, Garfield, N. J. Filed Apr. 5, 1923.

VELVONIT

Trade-mark consists of the word "Velvonit."

Particular description of goods.—Knitted Woolen Piece Goods.

Claims use since June 7, 1922.

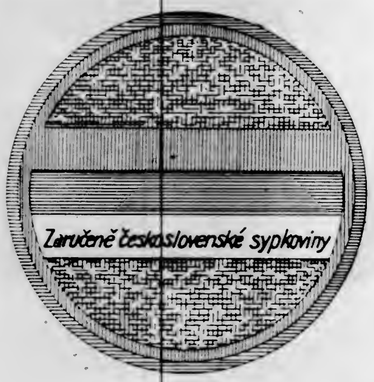
Ser. No. 178,641. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) R. J. STRASENBURGH COMPANY, Rochester, N. Y. Filed Apr. 5, 1923.

LAXAPHOS

Particular description of goods.—Saline Cathartic Put Up in Effervescent Tablet Form.

Claims use since August, 1922.

Ser. No. 178,835. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) FREUND, FREUND & COMPANY, New York, N. Y. Filed Apr. 9, 1923.



In the trade-mark drawing the outer ring is blue, the second or inner ring is red. Centrally disposed are three stripes, the first of which is red, the second or intermediate blue, and the lower stripe white, all as indicated by the lining thereof. Those portions beyond the stripes and within the inner circle are gold or gilt. The printed matter appearing upon the drawing translated into English means "Guaranteed Czechoslovak Tickings," and no claim is made to the printed matter appearing on the drawing for the purposes of this registration, applicant, however, reserving all common-law rights relative to such printed matter.

Particular description of goods.—Nankins and Tickings in the Piece.

Claims use since Nov. 22, 1921.

Ser. No. 178,895. (CLASS 39. CLOTHING.) DAVIDSON BROTHERS COMPANY, Sioux City, Iowa. Filed Apr. 10, 1923.

Bryn Mawr

Particular description of goods.—Ladies' Hats and Bonnets.

Claims use since Jan. 1, 1921.

Ser. No. 178,941. (CLASS 38. PRINTS AND PUBLICATIONS.) WESTERN ELECTRIC COMPANY, INCORPORATED, New York, N. Y. Filed Apr. 10, 1923.

Electrical Housekeeping

Particular description of goods.—Title to a Monthly Publication.

Claims use since on or about Apr. 3, 1923.

Ser. No. 179,017. (CLASS 21. ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES.) THE UPCO MANUFACTURING AND SALES COMPANY, Cincinnati, Ohio. Filed Apr. 11, 1923.

UPCO

Particular description of goods.—Spark Timers for Internal-Combustion Engines.

Claims use since Dec. 7, 1922.

Ser. No. 179,045. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) THE JOUVENCE COMPANY, INC., New York, N. Y. Filed Apr. 12, 1923.

Jouvence

Particular description of goods.—Material in Liquid Form Used for Cleansing and Beautifying the Skin and Improving the Complexion.

Claims use since Jan. 15, 1923.

Ser. No. 179,068. (CLASS 22. GAMES, TOYS, AND SPORTING GOODS.) THE TIN DECORATING COMPANY OF BALTIMORE, Baltimore, Md. Filed Apr. 12, 1923.

TINDECOTOY

Particular description of goods.—Mechanical Toys, Sheet-Metal Toys of Various Kinds, Toy Automobiles, Toy Fire Engines, Toy Wagons, Toy Animals, Toy Dolls, and Other Toys Formed by Stamping Out of Sheet Metal.

Claims use since Apr. 3, 1923.

Ser. No. 179,070. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) UNIVERSAL THEATRES CONCESSION CO., Chicago, Ill. Filed Apr. 12, 1923.

GOLDEN MIST

Particular description of goods.—Candy.

Claims use since Feb. 1, 1923.

Ser. No. 179,072. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) UNIVERSAL THEATRES CONCESSION CO., Chicago, Ill. Filed Apr. 12, 1923.

FOLLY TOWNS

Particular description of goods.—Candy.

Claims use since Feb. 1, 1923.

Ser. No. 179,105. (CLASS 40. FANCY GOODS, FURNISHINGS, AND NOTIONS.) I. B. KLEINERT RUBBER COMPANY, New York, N. Y. Filed Apr. 13, 1923.

LUXOR

Particular description of goods.—Dress Shields.

Claims use since Apr. 2, 1923.

Ser. No. 179,109. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) NATIONAL NUT PRODUCTS CO., INC., New York, N. Y. Filed Apr. 13, 1923.



Applicant disclaims the word "Brand" except in the precise relation and association in which it appears in the labels and drawings.

Particular description of goods.—Salted Nut Meats.

Claims use since Apr. 4, 1923.

Ser. No. 179,121. (CLASS 22. GAMES, TOYS, AND SPORTING GOODS.) WHITELY EXERCISER COMPANY, New York, N. Y. Filed Apr. 13, 1923.

CYCLO

Particular description of goods.—Punching-Bag Platforms and Punching-Bag Apparatus.

Claims use since 1911.

Ser. No. 179,220. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) PARKE, DAVIS & COMPANY, Detroit, Mich. Filed Apr. 16, 1923.

ANTUITRIN

Particular description of goods.—Extract Anterior Lobe Pituitary Gland.

Claims use since Jan. 2, 1919.

Ser. No. 179,287. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) THE WHITE TAR COMPANY, New York, N. Y. Filed Apr. 17, 1923.

SPRAYOCED

Trade-mark consists of the word "Sprayoced."

Particular description of goods.—Liquid Insecticide.

Claims use since Feb. 1, 1923.

Ser. No. 179,315. (CLASS 35. BELTING, HOSE, MACHINERY PACKING, AND NONMETALLIC TIRES.) THE NORWALK TIRE & RUBBER COMPANY, Norwalk, Conn. Filed Apr. 18, 1923.

ORTHO

Particular description of goods.—Elastic Vehicle Tires.

Claims use since Mar. 7, 1923.

Ser. No. 179,392. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) BARR MANUFACTURING CORPORATION, Tyrone, Pa. Filed Apr. 20, 1923.



Particular description of goods.—Toilet Preparations—Namely, Complexion Clay.

Claims use since Feb. 20, 1923.

Ser. No. 179,393. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) BAYARD CHEMICAL COMPANY, New York, N. Y. Filed Apr. 20, 1923.

HAIR-VALET

Particular description of goods.—Hair Pomade.

Claims use since Jan. 15, 1923.

Ser. No. 179,442. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) WESTERN SAUSAGE & PROVISION CO., INC., New York, N. Y. Filed Apr. 20, 1923.

CASALINGO



Particular description of goods.—Tomato Paste.
Claims use since Apr. 6, 1923.

Ser. No. 179,459. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) COLFAX FRUIT GROWERS ASSN., Colfax, Calif. Filed Apr. 21, 1923.

Sun Smile

Particular description of goods.—Fresh Deciduous Fruits.
Claims use since 1921.

Ser. No. 179,469. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) O. A. HARLAN & Co., San Jose, Calif. Filed Apr. 21, 1923.

SANTARA

Particular description of goods.—Dried Fruits and Canned Fruits and Vegetables.
Claims use since Feb. 15, 1923.

Ser. No. 179,479. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) ALTON L. MILLER, doing business as Charles N. Miller Co., Boston, Mass. Filed Apr. 21, 1923.

SUNNY POPS

Particular description of goods.—Candy.
Claims use since Mar. 1, 1923.

Ser. No. 179,510. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) AMES & AMES, Mecca, Calif. Filed Apr. 23, 1923.

"FROM THE DEVIL'S SUGAR BOWL"

Particular description of goods.—Fresh Citrous Fruits, Fresh Grapes, and Fresh Vegetables.
Claims use since July 15, 1922.

Ser. No. 179,577. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) J. ZINSMEISTER & SONS, INCORPORATED, Louisville, Ky. Filed Apr. 23, 1923.

UMACO

Particular description of goods.—Coffee.
Claims use since Aug. 31, 1922.

Ser. No. 179,585. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) CALIFORNIA ALMOND PACKERS, Sacramento and North Sacramento, Calif. Filed Apr. 24, 1923.

BLOSSOM



Particular description of goods.—Salted Almonds.
Claims use since Nov. 19, 1921.

Ser. No. 179,663. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) EMPIRE SILK COMPANY, Wilmington, Del., and New York, N. Y. Filed Apr. 25, 1923.

Broiderette

Particular description of goods.—Silk Piece Goods.
Claims use since Apr. 16, 1923.

Ser. No. 179,677. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) PATRICK-YOUNG COMPANY, also doing business as Boyd Packing Company, Richmond, Va. Filed Apr. 25, 1923.

HONEY CUT

Particular description of goods.—Smoked Hams and Bacon.
Claims use since 1911.

Ser. No. 179,696. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) THE A & P PRODUCTS CORPORATION, Jersey City, N. J. Filed Apr. 26, 1923.

Perfect Strike

Particular description of goods.—Canned Salmon.
Claims use since Mar. 26, 1923.

Ser. No. 179,697. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) THE A & P PRODUCTS CORPORATION, Jersey City, N. J. Filed Apr. 26, 1923.

Some Strike

Particular description of goods.—Canned Salmon.
Claims use since Mar. 26, 1923.

Ser. No. 179,776. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) COLGATE & COMPANY, Jersey City, N. J. Filed Apr. 27, 1923.

AMARNA

Particular description of goods.—Perfumes and Toilet Waters.
Claims use since Apr. 19, 1923.

Ser. No. 179,777. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) COLGATE & COMPANY, Jersey City, N. J. Filed Apr. 27, 1923.

BAST

Particular description of goods.—Perfumes and Toilet Waters.
Claims use since Apr. 19, 1923.

Ser. No. 179,778. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) COLGATE & COMPANY, Jersey City, N. J. Filed Apr. 27, 1923.

KAHIRA

Particular description of goods.—Perfumes and Toilet Waters.
Claims use since Apr. 19, 1923.

Ser. No. 179,779. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) COLGATE & COMPANY, Jersey City, N. J. Filed Apr. 27, 1923.

KHEPERA

Particular description of goods.—Perfumes and Toilet Waters.
Claims use since Apr. 19, 1923.

Ser. No. 179,857. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) THE DERN FOOD COMPANY, Colorado Springs, Colo. Filed Apr. 28, 1923.

Derngood

Particular description of goods.—Coffee.
Claims use since 1915.

Ser. No. 179,884. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) SAWDEY & HUNT, Los Angeles, Calif. Filed Apr. 28, 1923.

BLUE BOY

Particular description of goods.—Fresh Lettuce, Fresh Cantaloupes.
Claims use since Apr. 5, 1923.

Ser. No. 179,894. (CLASS 35. BELTING, HOSE, MACHINERY PACKING, AND NONMETALLIC TIRES.) TORSION TEST PISTON RING CORPORATION, Newark, N. J. Filed Apr. 28, 1923.

T-N-T

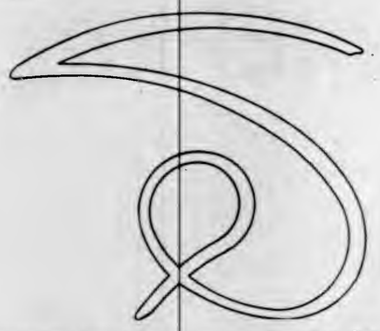
Particular description of goods.—Piston Rings.
Claims use since September, 1920.

Ser. No. 179,918. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) ANCHORAGE PACKING CO., Seattle, Wash. Filed Apr. 30, 1923.

TYONEK

Particular description of goods.—Canned Salmon.
Claims use since May 1, 1922.

Ser. No. 179,928. (CLASS 21. ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES.) THE CUTTER ELECTRICAL AND MANUFACTURING COMPANY, Philadelphia, Pa. Filed Apr. 30, 1923.



Particular description of goods.—Electrical Switches and Inclosed Electrical Switches and Circuit Breakers.
Claims use since on or about Feb. 1, 1922.

Ser. No. 179,976. (CLASS 21. ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES.) WEABITE STORAGE BATTERY CO., Philadelphia, Pa. Filed Apr. 30, 1923.



No claim is made to the words "Storage Battery" apart from the mark as shown.
Particular description of goods.—Storage Batteries.
Claims use since Mar. 10, 1923.

Ser. No. 179,985. (CLASS 43. THREAD AND YARN.) BARBOUR FLAX SPINNING CO., Paterson, N. J. Filed May 1, 1923.



Particular description of goods.—Hand-Sewing and Machine-Sewing Linen Threads.
Claims use since about July 23, 1850.

Ser. No. 180,003. (CLASS 22. GAMES, TOYS, AND SPORTING GOODS.) MADAME GEORGENE, INC., New York, N. Y. Filed May 1, 1923.

Wonder

Particular description of goods.—Dolls.
Claims use since Sept. 19, 1920.

Ser. No. 180,033. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) STANDARD OIL COMPANY, Whiting, Ind., and Chicago, Ill. Filed May 1, 1923.

STANOLAX

Particular description of goods.—Medicinal Mineral Oils.
Claims use since Nov. 5, 1914.

Ser. No. 180,036. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) MABEL WEST, doing business as Westnell Company, Houston, Tex. Filed May 1, 1923.

WESTNELL

Particular description of goods.—Liquid Mouth Wash for Use in the Treatment of Pyorrhea and Gum Disorders.
Claims use since Apr. 1, 1923.

Ser. No. 180,088. (CLASS 30. CROCKERY, EARTHENWARE, AND PORCELAIN.) WARREN I. TYCER, Roseville, Ohio. Filed May 2, 1923.



Particular description of goods.—Earthenware Utensils—Namely, Preserving Kettles, Stew Kettles, Baking Pans, Pie Plates, Double Boilers, and Mixing Bowls.
Claims use since Apr. 1, 1922.

Ser. No. 180,118. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) FULCRA-TAN COMPANY, New York, N. Y., assignor to Geltan Company, New York, N. Y., a Corporation of Delaware. Filed May 3, 1923.

GELTAN

Particular description of goods.—Tanning Materials.
Claims use since about Apr. 15, 1923.

Ser. No. 180,122. (CLASS 35. BELTING, HOSE, MACHINERY PACKING, AND NONMETALLIC TIRES.) C. C. HUMBERSTONE, doing business as Monarch Packing & Supply Co., Chicago, Ill. Filed May 3, 1923.

MONOTITE

Particular description of goods.—Compressed Asbestos-Fiber Sheet Packing.
Claims use since May 26, 1922.

Ser. No. 180,126. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) WILLIAM H. KOETTER, doing business as Koetter Manufacturing Co., Peoria, Ill. Filed May 3, 1923.

Auto-Lax

Particular description of goods.—Carbon Remover for Gasoline Engines.
Claims use since about Apr. 15, 1923.

Ser. No. 180,142. (CLASS 21. ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES.) RAJAH RADIO GUILD, University City, Mo. Filed May 3, 1923.

RAJAH

Particular description of goods.—Radio Receiving Sets and Parts Thereto.
Claims use since Mar. 15, 1923.

Ser. No. 180,165. (CLASS 17. TOBACCO PRODUCTS.) ALL SAINTS CIGAR CO., Tampa, Fla. Filed May 4, 1923.

FAMOUS

Particular description of goods.—Cigars.
Claims use since Mar. 22, 1922.

Ser. No. 180,224. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) SATIE KAIDASZ, Philadelphia, Pa. Filed May 5, 1923.

GUD-LAX

Particular description of goods.—Laxatives.
Claims use since Sept. 30, 1916.

Ser. No. 180,304. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) ARTHUR G. SMITH, doing business as The Spic Company, Chicago, Ill. Filed May 7, 1923.

Spic

Particular description of goods.—Toilet Powder.
Claims use since Jan. 20, 1923.

Ser. No. 180,318. (CLASS 38. PRINTS AND PUBLICATIONS.) AETNA LIFE INSURANCE COMPANY, Hartford, Conn. Filed May 8, 1923.



Particular description of goods.—Monthly Periodical.
Claims use since Oct. 1, 1922.

Ser. No. 180,331. (CLASS 22. GAMES, TOYS, AND SPORTING GOODS.) LAURA J. EYLES, Chicago, Ill. Filed May 8, 1923.



Particular description of goods.—Dolls.
Claims use since Apr. 1, 1923.

Ser. No. 180,336. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) EDWARD A. WARNICK, doing business as Ka-Nix Sales Co., Birmingham, Ala. Filed May 8, 1923.

KA-NIX

Particular description of goods.—Tooth Paste.
Claims use since Apr. 21, 1923.

Ser. No. 180,341. (CLASS 35. BELTING, HOSE, MACHINERY PACKING, AND NONMETALLIC TIRES.) MULTIBESTOS COMPANY, Walpole, Mass. Filed May 8, 1923.

TAXITRUX

Particular description of goods.—Brake Lining.
Claims use since Mar. 3, 1923.

Ser. No. 180,392. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) LOUIS SCHULZE, doing business as Success Pharmaca Co., Baltimore, Md. Filed May 9, 1923.

SUCCESS

Particular description of goods.—Remedy for Toothache and Neuralgia and a Medicinal Preparation for Removing Corns.
Claims use since 1911.

Ser. No. 180,428. (CLASS 45. BEVERAGES, NONALCOHOLIC.) CARL A. HAY, doing business as Newton Ice Cream Company, Newton, Kans. Filed May 10, 1923.

Newco

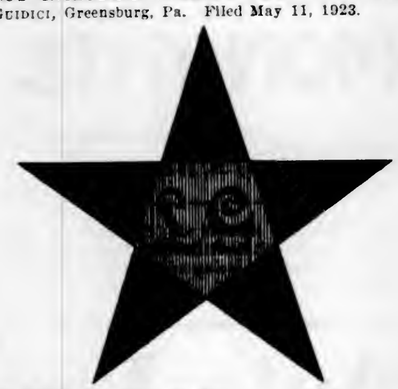
Particular description of goods.—Ginger Ale and Nonalcoholic, Maltless Beverages Sold as Soft Drinks.
Claims use since October, 1920.

Ser. No. 180,467. (CLASS 45. BEVERAGES, NONALCOHOLIC.) LINWOOD S. CARNEY, Boston, Mass. Filed May 11, 1923.

Carney's

Trade-mark consists of a facsimile of my signature.
Particular description of goods.—Nonalcoholic Maltless Vegetable Extract for Soft-Drink Purposes.
Claims use since May 7, 1923.

Ser. No. 180,474. (CLASS 8. SMOKERS' ARTICLES, NOT INCLUDING TOBACCO PRODUCTS.) LUIGI GUIDICI, Greensburg, Pa. Filed May 11, 1923.



The lining indicates shading.
Particular description of goods.—Cigarette Papers Prepared Ready for Use.
Claims use since May 15, 1922.

Ser. No. 180,527. (CLASS 4. ABRASIVE, DETERGENT, AND POLISHING MATERIALS.) CONCENTRATED PRODUCTS CORPORATION, Carlstadt, N. J., and New York, N. Y. Filed May 12, 1923.

Hirondelle

Particular description of goods.—Laundry Soap.
Claims use since August, 1922.

Ser. No. 180,528. (CLASS 22. GAMES, TOYS, AND SPORTING GOODS.) CUMMINGS & JOHNSON, Salt Lake City, Utah. Filed May 12, 1923.

KING TUT
ANKH-AMEN



Particular description of goods.—Card Game.
Claims use since Apr. 8, 1923.

Ser. No. 180,659. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) FRANKENBERG, MORGAN & SINGLETON, New York, N. Y. Filed May 15, 1923.



The mark consists of a representation of a scene composed of oriental buildings with mosques, minarets, spires, and pinnacles, and the word "Cairokloth" running diagonally across the view. The letter "C" is in the form of a Turkish crescent with a star enclosed in the upper portion. In the lower right-hand corner is the monogram "F M & S." The whole is surrounded by a rectangular-shaped border.
Particular description of goods.—Woolen Cloth for Use in the Manufacture of Wearing Apparel.
Claims use since Mar. 1, 1923.

Ser. No. 180,714. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) MINOT, HOOPER & CO., New York, N. Y. Filed May 16, 1923. Under ten-year proviso.

AMERICAN



STANDARD DRILLING
MANUFACTURED BY
LYMAN MILLS.
HOLYOKE, MASS.
U.S.A.

No claim is made to the Chinese characters apart from the mark as shown, the said characters meaning literally "Very superior diagonal lines," the free translation of which would mean substantially "Very superior drilling."
Particular description of goods.—Cotton Drilling in the Piece.
Claims use since about Jan. 1, 1892.

Ser. No. 180,721. (CLASS 22. GAMES, TOYS, AND SPORTING GOODS.) PARKER BROTHERS, Portland, Me., and Salem, Mass. Filed May 16, 1923.

CHOW-TONG

Particular description of goods.—Indoor Table Game Played with Cards and Domino-Shaped Blocks.
Claims use since Mar. 10, 1923.

Ser. No. 180,776. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) SNAP-ON WRENCH COMPANY, Milwaukee, Wis. Filed May 17, 1923.

GRIPPER

Particular description of goods.—Screw Drivers.
Claims use since Apr. 17, 1923.

Ser. No. 180,862. (CLASS 35. BELTING, HOSE, MACHINERY PACKING, AND NONMETALLIC TIRES.) HAMILTON RUBBER MANUFACTURING COMPANY, Trenton, N. J. Filed May 19, 1923.

GOOD HOUSEKEEPING

Particular description of goods.—Fruit-Jar Rubbers.
Claims use since March, 1921.

Ser. No. 180,901. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) SNELL & ATHERTON, INC., Brockton, Mass. Filed May 19, 1923.

CLIMAX

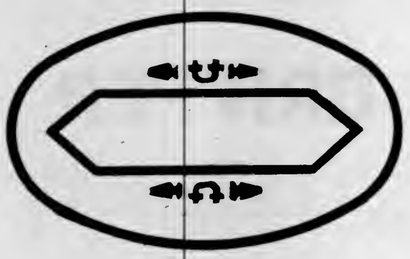
Particular description of goods.—Nippers.
Claims use since 1903.

Ser. No. 180,933. (CLASS 35. BELTING, HOSE, MACHINERY PACKING, AND NONMETALLIC TIRES.) INGERSOLL-RAND COMPANY, Jersey City, N. J., and New York, N. Y. Filed May 21, 1923.

RUFFIAN

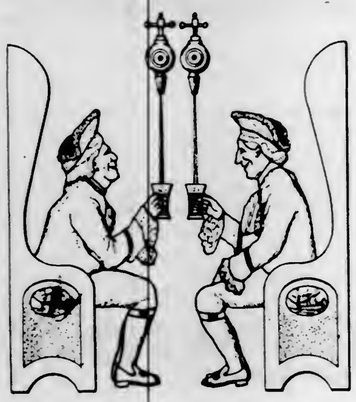
Particular description of goods.—Hose Composed of Rubber and Fabric.
Claims use since about Apr. 1, 1923.

Ser. No. 180,934. (CLASS 35. BELTING, HOSE, MACHINERY PACKING, AND NONMETALLIC TIRES.) INGERSOLL-RAND COMPANY, Jersey City, N. J., and New York, N. Y. Filed May 21, 1923.



Particular description of goods.—Hose Composed of Rubber and Fabric.
Claims use since about Apr. 1, 1923.

Ser. No. 180,983. (CLASS 45. BEVERAGES, NON-ALCOHOLIC.) THE MURRAY COMPANY, Boston, Mass. Filed May 22, 1923.



Particular description of goods.—Nonalcoholic Maltless Sirups and Extracts for Beverage Purposes.
Claims use since about Jan. 1, 1905.

Ser. No. 181,010. (CLASS 22. GAMES, TOYS, AND SPORTING GOODS.) BLOCK-WALSH CORPORATION, New York, N. Y. Filed May 23, 1923.



Particular description of goods.—Table Board Game of Questions and Answers Played with an Angularly-Shiftable Piece Having the Questions Thereon.
Claims use since Mar. 30, 1923.

Ser. No. 181,059. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) CANTON FORGE & AXLE COMPANY, Canton, Ohio. Filed May 24, 1923.



Particular description of goods.—Tools, and Particularly for Rail-Anchor Wrenches.
Claims use since about Mar. 1, 1922.

Ser. No. 181,092. (CLASS 35. BELTING, HOSE, MACHINERY PACKING, AND NONMETALLIC TIRES.) THOMAS A. ST. JOHN, doing business as The Blue Lion Patch Co., McDonough, Ga. Filed May 24, 1923.

BLUE LION

Particular description of goods.—Puncture Patches for Pneumatic Tires.
Claims use since on or about May 10, 1922.

Ser. No. 181,134. (CLASS 22. GAMES, TOYS, AND SPORTING GOODS.) GEORGE LUND, doing business as George Lund Company, New York, N. Y. Filed May 25, 1923.

SANDY

Particular description of goods.—Dolls and Animals Cut-Outs to be Filled with Sand.
Claims use since May 1, 1923.

Ser. No. 181,172. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) JOHN M. BOWMAN, Lanark, Ill. Filed May 26, 1923.



The trade-mark consists of a portrait of applicant.
Particular description of goods.—Preparation for Use in the Treatment of Hog Cholera and a Preparation for Use as a Vermifuge.
Claims use since June 16, 1916.

Ser. No. 181,174. (CLASS 16. PAINTS AND PAINTERS' MATERIALS.) CERTAIN-TEED PRODUCTS CORPORATION, Baltimore, Md., and St. Louis, Mo. Filed May 26, 1923.

FLOORTEX

Trade-mark consists of the fanciful word "Floortex."
Particular description of goods.—Ready-Mixed Paints for Interior Surfaces.
Claims use since Sept. 12, 1915.

Ser. No. 181,398. (CLASS 33. GLASSWARE.) L. J. HOUZE CONVEX GLASS COMPANY, Point Marion, Pa. Filed May 31, 1923.

Chartreuse

Particular description of goods.—Sheet Glass.
Claims use since Sept. 13, 1922.

Ser. No. 181,447. (CLASS 15. OILS AND GREASES.) INDUSTRIAL OIL CO. INC., East Providence, R. I. Filed June 1, 1923.



No claim is made to the exclusive use of the word "Gasoline" apart from the mark as shown.
Particular description of goods.—Gasoline.
Claims use since May 18, 1923.

Ser. No. 181,547. (CLASS 15. OILS AND GREASES.) UNION OIL COMPANY OF CALIFORNIA, Los Angeles, Calif. Filed June 4, 1923.

GEARITE

Trade-mark consists of the word "Gearite."
Particular description of goods.—Transmission Oils and Greases.
Claims use since Feb. 23, 1923.

Ser. No. 181,548. (CLASS 15. OILS AND GREASES.) UNION OIL COMPANY OF CALIFORNIA, Los Angeles, Calif. Filed June 4, 1923.

GEARLUBE

Trade-mark consists of the word "Gearlube."

Particular description of goods.—Transmission Oils and Greases.

Claims use since Feb. 23, 1923.

Ser. No. 181,631. (CLASS 5. ADHESIVES.) THE CAMPBELL MANUFACTURING CO., Rochester, N. Y. Filed June 7, 1923.

Camp-bell

Particular description of goods.—Patching Paste.

Claims use since Jan. 4, 1923.

Ser. No. 181,700. (CLASS 5. ADHESIVES.) E. F. RUSS COMPANY, Boston, Mass. Filed June 8, 1923.



Particular description of goods.—Glue.

Claims use since on or about Apr. 23, 1923.

TRADE-MARK REGISTRATIONS GRANTED

[ACT OF FEBRUARY 20, 1905.]

JULY 31, 1923.

170,997. WRITING AND BOND PAPER. BECKER PAPER CORPORATION, New York, N. Y.
Filed March 29, 1923. Serial No. 178,209. PUBLISHED MAY 15, 1923.

170,998. REFRIGERATING APPARATUS. THE AUTOMATIC REFRIGERATING COMPANY, Hartford, Conn.
Filed March 19, 1923. Serial No. 177,644. PUBLISHED MAY 15, 1923.

170,999. CIGARETTES. EDWARD FUNKE, doing business as Near East Trading Co., New York, N. Y., assignor to Valley of the Kings Corporation, New York, N. Y., a Corporation of New York.
Filed March 16, 1923. Serial No. 177,554. PUBLISHED MAY 8, 1923.

171,000. CIGARETTES. EDWARD FUNKE, doing business as Near East Trading Co., New York, N. Y., assignor to Valley of the Kings Corporation, New York, N. Y., a Corporation of New York.
Filed March 16, 1923. Serial No. 177,553. PUBLISHED MAY 8, 1923.

171,001. WRAPPING PAPER. THE ALLING & CORY CO., Rochester, N. Y.
Filed March 9, 1923. Serial No. 177,158. PUBLISHED APRIL 24, 1923.

171,002. CREPE PAPER. THE TISSUE COMPANY, Saugerties, N. Y.
Filed March 8, 1923. Serial No. 177,150. PUBLISHED MAY 15, 1923.

171,003. FIGURE, TOYS. WILLIAM FULD, Baltimore, Md.
Filed March 5, 1923. Serial No. 176,961. PUBLISHED MAY 15, 1923.

171,004. LEAD PENCILS. BLAISDELL PENCIL COMPANY, Philadelphia, Pa.
Filed March 5, 1923. Serial No. 176,943. PUBLISHED APRIL 24, 1923.

171,005. APPLE WRAPPERS. FRED C. STRYPE, New York, N. Y.
Filed March 3, 1923. Serial No. 176,924. PUBLISHED MAY 15, 1923.

171,006. LIGHTNING ARRESTERS. WESTINGHOUSE ELECTRIC & MANUFACTURING COMPANY, East Pittsburgh, Pa.
Filed March 2, 1923. Serial No. 176,864. PUBLISHED APRIL 24, 1923.

171,007. TOYS. TED MORTON & CO. INC., New York, N. Y.
Filed February 26, 1923. Serial No. 176,639. PUBLISHED MAY 15, 1923.

171,008. RADIO RECEIVING SETS. MARINETTE ELECTRIC CORPORATION, Marinette, Wis.
Filed February 26, 1923. Serial No. 176,634. PUBLISHED APRIL 24, 1923.

171,009. GRAY SHORTS. THE MIDLAND FLOUR MILLING CO., Kansas City, Mo.
Filed September 2, 1922. Serial No. 169,029. PUBLISHED MARCH 20, 1923.

171,010. EDIBLE ROLLS. TRISTATE BAKING CO., Flint, Mich.
Filed September 5, 1922. Serial No. 169,103. PUBLISHED APRIL 3, 1923.

171,011. STOCK FEED. J. ALLEN SMITH & COMPANY, Knoxville, Tenn.
Filed September 5, 1922. Serial No. 169,088. PUBLISHED MARCH 27, 1923.

171,012. STOCK FEED. WHYTE COMMISSION COMPANY, Pine Bluff, Ark.
Filed September 5, 1922. Serial No. 169,108. PUBLISHED MARCH 27, 1923.

171,013. STOCK, DAIRY, AND POULTRY FEED. WHYTE COMMISSION COMPANY, Pine Bluff, Ark.
Filed September 5, 1922. Serial No. 169,109. PUBLISHED MARCH 20, 1923.

171,014. WHEAT FLOUR. BOLLING LYNN ROBERTSON, doing business as Manassas Feed & Milling Co., Manassas, Va.
Filed September 11, 1922. Serial No. 169,223. PUBLISHED APRIL 3, 1923.

171,015. BREAD. WARD BAKING COMPANY, New York, N. Y.
Filed September 12, 1922. Serial No. 169,386. PUBLISHED APRIL 3, 1923.

171,016. BREAD. WARD BAKING COMPANY, New York, N. Y.
Filed September 12, 1922. Serial No. 169,387. PUBLISHED MARCH 27, 1923.

171,017. BOND WRITING AND PRINTING PAPER. COLLINS MFG. CO., Holyoke, Mass.
Filed August 29, 1922. Serial No. 168,836. PUBLISHED MAY 15, 1923.

171,018. SOFT DRINK SIRUPS. VESS JONES, doing business as Whistle Company, New York, N. Y.
Filed July 22, 1922. Serial No. 167,247. PUBLISHED MAY 8, 1923.

171,019. ELECTRIC STOVES, HEATERS, SADIRONS, CURLING IRONS, TOASTERS, BROILERS, HOT PLATES, AND RADIATORS. A. J. LINDEMANN & HOVERSON COMPANY, Milwaukee, Wis.
Filed July 29, 1922. Serial No. 167,575. PUBLISHED APRIL 24, 1923.

171,020. COFFEE, CANNED FRUITS, CANNED VEGETABLES, CANNED FISH, AND TABLE MOLASSES. POTTER-MCCUNE COMPANY, McKeesport, Pa.
Filed August 1, 1922. Serial No. 167,687. PUBLISHED APRIL 3, 1923.

171,021. WHEAT FLOUR. NOBLESVILLE MILLING CO., Noblesville, Ind.
Filed August 7, 1922. Serial No. 167,885. PUBLISHED MARCH 20, 1923.

171,022. PREPARED DOUGHNUT MIXTURE. W & L BAKING COMPANY, Jackson, Mich.
Filed August 8, 1922. Serial No. 167,960. PUBLISHED MARCH 20, 1923.

171,023. CHEESE. CRAWFORD FARMS, INCORPORATED, Millbrook, N. Y.
Filed August 10, 1922. Serial No. 168,025. PUBLISHED APRIL 3, 1923.

171,024. CHEESE. CRAWFORD FARMS, INCORPORATED, Millbrook, N. Y.
Filed August 10, 1922. Serial No. 168,026. PUBLISHED MARCH 27, 1923.

171,025. CREAM CHEESE. ALBERT BRITTON, Myrtle Point, Oreg.
Filed August 11, 1922. Serial No. 168,097. PUBLISHED APRIL 3, 1923.

171,026. WHEAT FLOUR. RANDOLPH MILLING COMPANY, Baldwin, Ill.
Filed August 12, 1922. Serial No. 168,170. PUBLISHED APRIL 3, 1923.

171,027. BUTTER. SUNSHINE STORES, INC., San Francisco, Calif.
Filed August 19, 1922. Serial No. 168,498. PUBLISHED MARCH 20, 1923.

171,028. BREAD. WARD BAKING COMPANY, New York, N. Y.
Filed August 25, 1922. Serial No. 168,699. PUBLISHED APRIL 3, 1923.

171,029. PREPARED FEED FOR ANIMALS, COMPRISING FEED FOR POULTRY AND LIVE STOCK. ARCADY FARMS MILLING COMPANY, Chicago, Ill.
Filed March 18, 1922. Serial No. 160,847. PUBLISHED MARCH 27, 1923.

171,030. BARS AND INSULATED WIRE, CABLE, AND CORDAGE FOR ELECTRICAL PURPOSES. AMERICAN COPPER PRODUCTS CORPORATION, Elizabeth Port, N. J.
Filed March 15, 1922. Serial No. 160,685. PUBLISHED APRIL 24, 1923.

171,031. FEED FOR HORSES, CATTLE, HOGS, AND CHICKENS. MOUNTAIN CITY MILL COMPANY, Chattanooga, Tenn.
Filed March 9, 1922. Serial No. 160,419. PUBLISHED MARCH 27, 1923.

171,032. DAIRY AND CATTLE FEED. THE LARROWE MILLING COMPANY, Detroit, Mich.
Filed February 20, 1922. Serial No. 159,587. PUBLISHED APRIL 3, 1923.

171,033. WHEAT FLOUR. GRAHAM MILL & ELEVATOR CO., Graham, Tex.
Filed February 14, 1922. Serial No. 159,311. PUBLISHED MARCH 27, 1923.

171,034. PREPARED FLOUR CONTAINING WHEAT FLOUR, BRAN, SUGAR, AND SALT. BALLARD & BALLARD COMPANY, Louisville, Ky.
Filed February 9, 1922. Serial No. 159,081. PUBLISHED MARCH 27, 1923.

171,035. CERTAIN NAMED AUTO PRODUCTS. AUTO PRODUCTS MFG. CO. INC., Buffalo, N. Y.
Filed February 2, 1922. Serial No. 158,744. PUBLISHED MAY 8, 1923.

171,036. CERTAIN-NAMED PUBLICATIONS. NORTH-WESTERN TRUST & SAVINGS BANK, Chicago, Ill.
Filed August 18, 1921. Serial No. 151,922. PUBLISHED APRIL 10, 1923.

171,037. IGNITION-TIMING DEVICES FOR INTERNAL-COMBUSTION ENGINES. ECOMETER MANUFACTURING COMPANY, INC., Orange, N. J.
Filed July 30, 1921. Serial No. 151,151. PUBLISHED APRIL 24, 1923.

171,038. CIGARS, CHEROOTS, AND LITTLE CIGARS. LEOPOLD POWELL & CO., New York, N. Y.
Filed June 21, 1921. Serial No. 149,480. PUBLISHED MAY 15, 1923.

171,039. PHONOGRAPHS, COIN-OPERATED TALKING AND MUSICAL MACHINES, AND NEEDLES FOR PHONOGRAPHS AND THE LIKE. POLYPHONWERKE AKTIENGESELLSCHAFT, Berlin, Germany
Filed April 1, 1921. Serial No. 145,583. PUBLISHED APRIL 24, 1923.

171,040. ELECTRIC HEADLIGHTS AND ELECTRIC FLOOD LIGHTS. BERKELEY LIGHT CORPORATION, San Francisco, Calif.
Filed September 23, 1920. Serial No. 137,513. PUBLISHED APRIL 24, 1923.

171,041. EGGS. C. W. JEAN COMPANY, Worthington, Ind.
Filed July 18, 1918. Serial No. 112,202. PUBLISHED MAY 8, 1923.

171,042. RADIO RECEIVING OUTFITS. DAVID GRIMES, doing business as Grimes Radio Engr. Co., New York, N. Y.
Filed January 16, 1923. Serial No. 174,657. PUBLISHED APRIL 24, 1923.

171,043. A GAME RACK. JOHN T. GAFFEY, doing business as Mah Juck Mfg. Co., San Pedro, Calif.
Filed January 19, 1923. Serial No. 174,770. PUBLISHED MAY 15, 1923.

171,044. RADIO RECEIVING SETS. RADIO CORPORATION OF AMERICA, New York, N. Y.
Filed January 20, 1923. Serial No. 174,859. PUBLISHED APRIL 24, 1923.

171,045. FOUNTAIN PENS AND PENCILS. M. & H. SILVER, INCORPORATED, Norfolk, Va.
Filed January 9, 1923. Serial No. 174,928. PUBLISHED MAY 15, 1923.

171,046. DOLLS. GEORGE BORGFELDT & CO., New York, N. Y.
Filed January 31, 1923. Serial No. 175,338. PUBLISHED MAY 15, 1923.

171,047. SOFT DRINKS. M. L. EISENBERG, doing business as Capital City Bottling Company, Montgomery, Ala.
Filed January 31, 1923. Serial No. 175,349. PUBLISHED MAY 15, 1923.

171,048. GINGER ALE. M. L. EISENBERG, doing business as Capital City Bottling Company, Montgomery, Ala.
Filed January 31, 1923. Serial No. 175,350. PUBLISHED MAY 15, 1923.

171,049. SOFT DRINKS. M. L. EISENBERG, doing business as Capital City Bottling Company, Montgomery, Ala.
Filed January 31, 1923. Serial No. 175,351. PUBLISHED MAY 15, 1923.

171,050. SOFT DRINKS. J. F. LAZIER MFG. CO., St. Louis, Mo.
Filed February 2, 1923. Serial No. 175,430. PUBLISHED MAY 8, 1923.

171,051. WRITING AND PRINTING PAPER AND MAILING ENVELOPES. AMERICAN WRITING PAPER COMPANY, Holyoke, Mass.
Filed February 5, 1923. Serial No. 175,540. PUBLISHED May 15, 1923.

171,052. COTTONSEED OIL. THE COOKNUT CORPORATION, Baltimore, Md.
Filed February 7, 1923. Serial No. 175,652. PUBLISHED May 15, 1923.

171,053. FIBER CONDUITS FOR ELECTRICAL PURPOSES. BROWN COMPANY, Portland, Me., and Berlin, N. H.
Filed February 8, 1923. Serial No. 175,709. PUBLISHED APRIL 24, 1923.

171,054. BROOMS. M. G. GOELLER'S SONS, Circleville, Ohio.
Filed February 10, 1923. Serial No. 175,861. PUBLISHED MAY 15, 1923.

171,055. ELECTRIC HAMMERS. NATIONAL ELECTRIC MANUFACTURING COMPANY, Pittsburgh, Pa.
Filed February 10, 1923. Serial No. 175,881. PUBLISHED APRIL 24, 1923.

171,056. POWDER PUFFS WESTERN BOTTLE MANUFACTURING COMPANY, Chicago, Ill
Filed February 16, 1923. Serial No. 176,140. PUBLISHED MAY 15, 1923.

171,057. POWDER PUFFS AND BRUSHES. WESTERN BOTTLE MANUFACTURING COMPANY, Chicago, Ill.
Filed February 16, 1923. Serial No. 176,145. PUBLISHED MAY 15, 1923.

171,058. SOFT DRINK. WILLIAM D. BOST, Chicago, Ill.
Filed February 23, 1923. Serial No. 176,444. PUBLISHED MAY 15, 1923.

171,059. SOFT DRINK. COMET'S CALIFORNIA ORANGE DRINK CO., Los Angeles, Calif.
Filed February 23, 1923. Serial No. 176,452. PUBLISHED MAY 15, 1923.

171,060. PAINT BRUSHES. JOHN L. WHITING-J. J. ADAMS COMPANY, Boston, Mass.
Filed February 5, 1923. Serial No. 175,585. PUBLISHED MAY 15, 1923.

171,061. WATCHES, WATCH MOVEMENTS, AND PARTS OF THE SAME. HIPP. DIDISHEIM COMPANY, INC., New York, N. Y.
Filed January 15, 1923. Serial No. 174,621. PUBLISHED APRIL 24, 1923.

171,062. CIGARS, ETC. VESS JONES, doing business as Whistle Company, New York, N. Y.
Filed July 22, 1922. Serial No. 167,245. PUBLISHED MAY 8, 1923.

171,063. CHOCOLATE MIXTURE FOR ICE CREAM AND FOR CAKE ICING. HERSHEY CHOCOLATE COMPANY, Hershey, Pa.
Filed July 3, 1922. Serial No. 166,453. PUBLISHED FEBRUARY 20, 1923.

171,064. BREAD AND CRACKERS. POTTER-WRIGHTINGTON, INC., Boston, Mass.
Filed May 20, 1922. Serial No. 164,186. PUBLISHED MARCH 27, 1923.

171,065. A VEGETABLE SEASONING IN POWDERED FORM USED IN THE PREPARATION OF OTHER FOODS. CERTIFIED FOODS, INC., Westfield, Mass.
Filed May 16, 1922. Serial No. 163,918. PUBLISHED APRIL 3, 1923.

171,066. UMBRELLAS. KORTENBACH & RAUH, Weyer, Germany.
Filed April 19, 1922. Serial No. 162,557. PUBLISHED MAY 8, 1923.

171,067. BREAD. JAMES BUTLER INC., New York, N. Y.
Filed April 13, 1922. Serial No. 162,240. PUBLISHED MARCH 27, 1923.

171,068. RADIO TELEPHONE AND TELEGRAPHIC INSTRUMENTS AND PARTS THEREOF. UNION RADIO CORPORATION, New York, N. Y.
Filed April 7, 1922. Serial No. 162,091. PUBLISHED APRIL 24, 1923.

171,069. CLOTHES-SUPPORTING RACKS. FRANCIS W. HENNESSY, Providence, R. I.
Filed December 2, 1922. Serial No. 172,836. PUBLISHED APRIL 24, 1923.

171,070. ELECTRIC LIGHTS FOR AUTOMOBILES AND OTHER VEHICLES AND PARTS THEREOF. RADIOLITE, INC., Boston, Mass.
Filed November 22, 1922. Serial No. 172,394. PUBLISHED APRIL 24, 1923.

171,071. FRESH APPLES. W. A. BOLINGER, doing business as Bolinger Orchards, Methow, Wash.
Filed November 13, 1922. Serial No. 171,896. PUBLISHED MAY 8, 1923.

171,072. SOAPS, PASTES, POWDERS, AND LIQUIDS FOR CLEANING METAL, WOOD, LEATHER, AND CLOTHING. DEVOTO Y CAUCHANER, Buenos Aires, Argentina.
Filed November 8, 1922. Serial No. 171,729. PUBLISHED APRIL 3, 1923.

171,073. KNIFE SWITCHES, PANEL BOARDS, SWITCHBOARDS, AND FUSE REDUCERS. THE PLAINVILLE ELECTRICAL PRODUCTS COMPANY, Plainville, Conn.
Filed October 31, 1922. Serial No. 171,432. PUBLISHED APRIL 24, 1923.

171,074. CARBON PAPER AND TYPEWRITER AND MULTIGRAPH RIBBONS. WALTER J. JOHNSON, Columbus, Ohio.
Filed October 26, 1922. Serial No. 171,221. PUBLISHED APRIL 24, 1923.

171,075. MANGLES. SPERLICH AND UHLIG COMPANY, Detroit, Mich.
Filed October 2, 1922. Serial No. 170,222. PUBLISHED APRIL 24, 1923.

171,076. CHEESE. T. L. KNAPSTEIN, Appleton, Wis.
Filed September 29, 1922. Serial No. 170,071. PUBLISHED MARCH 27, 1923.

171,077. FOOD CONSISTING OF ROLLS, CONTAINING CHOPPED MEATS, FISH, MINCEMEAT, CHEESE, JELLY, CHOCOLATE, BERRIES, OR FRUITS. THE NEVER ENOUGH PIE COMPANY, Bridgeport, Conn.
Filed September 21, 1922. Serial No. 169,769. PUBLISHED APRIL 3, 1923.

171,078. CHEESE, SPICES, FARINA, CANNED FISH, TEA, COFFEE, CHOCOLATE, MILK, RICE, RAISINS, PRUNES, MARMALADE, ALMONDS, WALNUTS. ISRAEL GELTMAN, New York, N. Y.
Filed September 21, 1922. Serial No. 169,751. PUBLISHED APRIL 3, 1923.

171,079. CIGARS. MAX STERN, Charleroi, Pa.
Filed September 15, 1922. Serial No. 169,516. PUBLISHED MAY 8, 1923.

171,080. DOLLS AND TOY FAVORS. SAMUEL ROBERT, doing business as Konroe Merchants, New York, N. Y.
Filed December 12, 1922. Serial No. 173,247. PUBLISHED MAY 15, 1923.

171,081. CLOTHES-WASHING MACHINES. AMERICAN RANGE & FOUNDRY COMPANY, Minneapolis, Minn.
Filed December 19, 1922. Serial No. 173,552. PUBLISHED APRIL 24, 1923.

171,082. CERTAIN NAMED ABRASIVE PAPERS AND CLOTHS. H. H. BARTON AND SON CO. INC., Philadelphia, Pa.
Filed December 18, 1922. Serial No. 173,461. PUBLISHED APRIL 24, 1923.

171,083. FISHING FLIES AND ARTIFICIAL BAIT. HORROCKS-IBBOTSON CO., Utica, N. Y.
Filed December 20, 1922. Serial No. 173,601. PUBLISHED MAY 15, 1923.

171,084. ELECTRICAL CONTROL APPARATUS—NAMELY, AUTOMATIC SWITCHES, CURRENT CONTROLLERS; AND RADIO APPARATUS—NAMELY, VARIOMETERS, VARIOCOUPLERS, LATTICE COILS, RECEIVING SETS. DALTON, WHITTIER, TRUE COMPANY, Chicago, Ill.
Filed December 30, 1922. Serial No. 174,201. PUBLISHED APRIL 24, 1923.

171,085. ELECTRIC SADIRONS. JORDAN MARSH COMPANY, Boston, Mass.
Filed December 27, 1922. Serial No. 173,890. PUBLISHED APRIL 24, 1923.

171,086. TREATED AND UNTREATED TAPES FOR ELECTRICAL INSULATION PURPOSES. MICA INSULATOR COMPANY, New York, N. Y.
Filed December 26, 1922. Serial No. 173,844. PUBLISHED APRIL 24, 1923.

171,087. LAUNDRY WASHING MACHINES AND WRINGERS. MARSHALL-WELLS COMPANY, Duluth, Minn.
Filed January 5, 1923. Serial No. 174,211. PUBLISHED APRIL 24, 1923.

171,088. SOFT DRINKS. WILLIAM E. TANNER, Brunswick, Me.
Filed January 11, 1923. Serial No. 174,495. PUBLISHED MAY 15, 1923.

171,089. CONFECTIONS COMPRISING CHOCOLATES, BONBONS, HARD CANDIES, JORDAN ALMONDS, AND JELLIES. ROACH TISDALE & Co., Minneapolis, Minn.
Filed December 18, 1922. Serial No. 173,534. PUBLISHED APRIL 24, 1923.

171,090. SHEET-METAL CHAINS. THE SMITH & EGGE MANF'G. Co., Bridgeport, Conn.
Filed December 16, 1922. Serial No. 173,447. PUBLISHED APRIL 24, 1923.

171,091. INSECTICIDE AND GERMICIDE. CAN-HO-LAB. CHEMICAL Co., New Orleans, La.
Filed December 16, 1922. Serial No. 173,401. PUBLISHED APRIL 24, 1923.

171,092. FURNITURE AND AUTOMOBILE POLISHES WITH INCIDENTAL PROPERTIES AS METAL POLISHES. PHILIP S. BERN, doing business as Philsbern Products Co., New York, N. Y.
Filed January 12, 1923. Serial No. 174,505. PUBLISHED MAY 15, 1923.

171,093. PREPARATIONS FOR THE TREATMENT OF PILES. LUISE WOJCSKA, doing business as Ex Pilo Manufacturing Company, New York, N. Y.
Filed December 20, 1922. Serial No. 173,616. PUBLISHED MAY 8, 1923.

171,094. FISHING LINES. NEWTON LINE COMPANY INCORPORATED, Homer, N. Y.
Filed December 21, 1922. Serial No. 173,663. PUBLISHED MAY 1, 1923.

171,095. FISHING LINES. NEWTON LINE COMPANY INCORPORATED, Homer, N. Y.
Filed December 21, 1922. Serial No. 173,668. PUBLISHED MAY 1, 1923.

171,096. TOILET SOAP AND SHAVING POWDER TO BE USED IN PLACE OF SHAVING SOAP. KARLSRUHER PARFÜMERIE- & TOILETTESEIFEN-FABRIK, F. WOLFF & SOHN, GESELLSCHAFT MIT BESCHRÄNKTER HAFTUNG, Karlsruhe, Germany.
Filed December 22, 1922. Serial No. 173,710. PUBLISHED APRIL 24, 1923.

171,097. GOLF BALLS AND FOOTBALLS. MARTINS BIRMINGHAM LIMITED, Birmingham, England.
Filed December 29, 1922. Serial No. 173,972. PUBLISHED MAY 1, 1923.

171,098. SOFT DRINKS. GARRETT AND CO. INC., Brooklyn, N. Y.
Filed January 2, 1923. Serial No. 174,077. PUBLISHED MAY 1, 1923.

171,099. PICKLES AND CONDIMENTS—NAMELY, SOUR PICKLES, SWEET PICKLES, DILL PICKLES, CHOWCHOW, SWEET RELISH, HOT RELISH, PEPPER SAUCE, AND SALAD MUSTARD. PRICE-BOOKER MANUFACTURING COMPANY, Waco and Houston, Tex.
Filed January 2, 1923. Serial No. 174,100. PUBLISHED MAY 8, 1923.

171,100. PERFUME, TOILET WATER, ROUGES, FACE POWDER, TALCUM POWDER, BRILLIANTINE, SACHET POWDER, AND DENTIFRICES. E. DALTROFF & CIE., doing business as Parfumerie Caron, Paris, France, assignor to Caron Corporation, a Corporation of New York.
Filed January 4, 1923. Serial No. 174,169. PUBLISHED APRIL 24, 1923.

171,101. CANNED FRUITS, CANNED VEGETABLES. F. M. BALL & COMPANY, San Francisco, Calif.
Filed January 6, 1923. Serial No. 174,229. PUBLISHED MAY 15, 1923.

171,102. SALAD DRESSING. CHARLES WEISBECKER, New York, N. Y.
Filed January 8, 1923. Serial No. 174,349. PUBLISHED MAY 8, 1923.

171,103. GAMING DEVICES. JOSEPH H. EWING, doing business as Diamond Manufacturing Company, Malta, Ohio.
Filed January 9, 1923. Serial No. 174,360. PUBLISHED MAY 1, 1923.

171,104. FRESH APPLES. ALAGA & FORENCICH Co., Watsonville, Calif.
Filed January 11, 1923. Serial No. 174,422. PUBLISHED MAY 8, 1923.

171,105. WHOLE-MILK POWDER. MERRELL-SOULE COMPANY, Syracuse, N. Y.
Filed January 11, 1923. Serial No. 174,474. PUBLISHED MAY 8, 1923.

171,106. SOFT DRINKS. RICHMOND G. STOEHR, doing business as Santa Clara Company, Boston, Mass.
Filed January 11, 1923. Serial No. 174,491. PUBLISHED MAY 1, 1923.

171,107. HINGES. WAY WORKS, INCORPORATED, Philadelphia, Pa.
Filed January 12, 1923. Serial No. 174,549. PUBLISHED APRIL 24, 1923.

171,108. GEAR SHIFTS AND PARTS THEREOF FOR MOTOR VEHICLES. JOHN ROGERS FLANNERY, Pittsburgh, Pa.
Filed January 13, 1923. Serial No. 174,566. PUBLISHED APRIL 24, 1923.

171,109. BOOK PAPER, COATED AND UNCOATED, BOND PAPER, AND WRITING PAPER. THE CHILLICOTHE PAPER COMPANY, Chillicothe, Ohio.
Filed January 15, 1923. Serial No. 174,610. PUBLISHED APRIL 24, 1923.

171,110. CANNED FRUITS AND VEGETABLES. HAAS BROTHERS, San Francisco, Calif.
Filed January 17, 1923. Serial No. 174,694. PUBLISHED MAY 8, 1923.

171,111. CANDIES. MARY M. HARDY & FLORENCE H. BAIRD, South Orange, N. J.
Filed January 18, 1923. Serial No. 174,737. PUBLISHED MAY 8, 1923.

171,112. FISHING LINES. NEWTON LINE COMPANY INCORPORATED, Homer, N. Y.
Filed January 18, 1923. Serial No. 174,747. PUBLISHED MAY 1, 1923.

171,113. DRESSED POULTRY. THE SEYMOUR PACKING COMPANY, Topeka, Kans.
Filed January 22, 1923. Serial No. 174,925. PUBLISHED MAY 8, 1923.

171,114. RATTLES. IRVING J. HALPERN, doing business as Noise Making Devices Company, New York, N. Y.
Filed January 23, 1923. Serial No. 174,961. PUBLISHED MAY 1, 1923.

171,115. CHINAWARE. THE MAYER CHINA COMPANY, Beaver Falls, Pa.
Filed January 24, 1923. Serial No. 175,017. PUBLISHED MAY 8, 1923.

171,116. SPINNING TOPS. SIPP NOVELTY CO. INC., New York, N. Y.
Filed January 24, 1923. Serial No. 175,029. PUBLISHED MAY 1, 1923.

171,117. MOTOR OIL. HENRY H. CROSS COMPANY, Chicago, Ill.
Filed January 27, 1923. Serial No. 175,189. PUBLISHED MAY 1, 1923.

171,118. OILCLOTH. T. R. GOODLATTE & SONS, (INC.), Clifton, N. J.
Filed January 27, 1923. Serial No. 175,193. PUBLISHED APRIL 24, 1923.

171,119. ELECTRIC MOTORS, GENERATORS, AND TRANSFORMERS. CHARLOTTE ELECTRIC REPAIR Co., INC., Charlotte, N. C.
Filed January 30, 1923. Serial No. 175,300. PUBLISHED APRIL 24, 1923.

171,120. ICE SKATES. AMERICAN SPORT SHOP, INC., New York, N. Y.
Filed February 3, 1923. Serial No. 175,453. PUBLISHED APRIL 24, 1923.

171,121. FISHLINES. BEVIN-WLICOX LINE COMPANY, East Hampton, Conn.
Filed February 6, 1923. Serial No. 175,595. PUBLISHED APRIL 24, 1923.

171,122. DOLLS. LUCILLE B. KELLEY, doing business as Jimmy Boy Doll Co., Sidney, Ohio.
Filed February 7, 1923. Serial No. 175,660. PUBLISHED APRIL 24, 1923.

171,123. CANDY. A. G. MORSE Co., INC., Chicago, Ill.
Filed February 7, 1923. Serial No. 175,674. PUBLISHED MAY 15, 1923.

171,124. CANNED SALMON. MAX PINKUS, doing business as John Price & Co., Philadelphia, Pa.
Filed February 8, 1923. Serial No. 175,735. PUBLISHED MAY 15, 1923.

171,125. CHOCOLATE CANDIES KNOWN IN THE TRADE AS CHOCOLATES. PARNIBECK CHOCOLATE Co., INC., New York, N. Y.
Filed February 3, 1923. Serial No. 175,515. PUBLISHED MAY 15, 1923.

171,126. CANNED AND BOTTLED FRUITS, JAMS, JELLIES, AND OLIVES. VIRDEN PACKING COMPANY, San Francisco, Calif.
Filed February 5, 1923. Serial No. 175,581. PUBLISHED MAY 15, 1923.

171,127. VEGETABLE LARD SUBSTITUTE. THE COCKNUT CORPORATION, Baltimore, Md.
Filed February 7, 1923. Serial No. 175,651. PUBLISHED MAY 15, 1923.

171,128. CANDY. ROBERT A. JOHNSTON COMPANY, Milwaukee, Wis.
Filed February 7, 1923. Serial No. 175,659. PUBLISHED MAY 15, 1923.

171,129. SUGAR-COATED RAISINS IN PACKAGES. HERSHEY CHOCOLATE COMPANY OF NEW YORK, INC., New York, N. Y.
Filed February 2, 1922. Serial No. 158,774. PUBLISHED APRIL 17, 1923.

171,130. BOYS' SAILOR SUITS. ALEXANDER LINSK & COMPANY, Philadelphia, Pa., assignor to H. J. Maxmin, Philadelphia, Pa.
Filed February 10, 1922. Serial No. 159,157. PUBLISHED MAY 8, 1923.

171,131. NECKBANDS FOR MEN'S SHIRTS. CHARLES W. LIPSCHITZ, New York, N. Y.
Filed February 16, 1922. Serial No. 159,400. PUBLISHED MAY 8, 1923.

171,132. HAIR NETS. ALBERT A. JULIN, Chicago, Ill.
Filed February 18, 1922. Serial No. 159,509. PUBLISHED MAY 1, 1923.

171,133. CAPS FOR MEN, BOYS, AND CHILDREN. NATIONAL CAP MFG. COMPANY, Louisville, Ky.
Filed February 18, 1922. Serial No. 159,522. PUBLISHED MAY 1, 1923.

171,134. HATS FOR MEN AND BOYS. BUNNIE HAT Co. INC., Reading, Pa.
Filed February 20, 1922. Serial No. 159,552. PUBLISHED MAY 8, 1923.

171,135. DAIRY AND CATTLE FEED. THE LARROWE MILLING COMPANY, Detroit, Mich.
Filed February 20, 1922. Serial No. 159,588. PUBLISHED APRIL 3, 1923.

171,136. DAIRY AND CATTLE FEED. THE LARROWE MILLING COMPANY, Detroit, Mich.
Filed February 20, 1922. Serial No. 159,589. PUBLISHED APRIL 3, 1923.

171,137. SOFT DRINK. WILL H. GUNCKEL, Toledo, Ohio.
Filed February 23, 1922. Serial No. 159,700. PUBLISHED MAY 1, 1923.

171,138. LADIES' SPORT SUITS AND COATS. PARKER-BRIDGET COMPANY, Washington, D. C.
Filed February 23, 1922. Serial No. 159,720. PUBLISHED MAY 1, 1923.

171,139. MISCELLANEOUS GROCERIES. STEELE-WEDELES COMPANY, Chicago, Ill.
Filed February 27, 1922. Serial No. 159,889. PUBLISHED MARCH 20, 1923.

171,140. MALT SIRUP. AMERICAN BURTONIZING COMPANY AND WALLERSTEIN LABORATORIES, New York, N. Y.
Filed March 4, 1922. Serial No. 160,178. PUBLISHED MAY 1, 1923.

171,141. CAKE. DIAMOND CAKE COMPANY, Philadelphia, Pa.
Filed March 6, 1922. Serial No. 160,239. PUBLISHED MARCH 27, 1923.

171,142. ARTIFICIAL PEARLS. MAX A. ZOLLA, Chicago, Ill.
Filed March 8, 1922. Serial No. 160,378. PUBLISHED APRIL 24, 1923.

171,143. WALL PAPER. THE ROBERT GRIFFIN COMPANY, Jersey City, N. J.
Filed March 25, 1922. Serial No. 161,250. PUBLISHED MAY 1, 1923.

171,144. CONFECTION—NAMELY, ICE CREAM INCLOSED IN PASTRY. GEORGE H. GARNET, doing business as The George H. Garnet Company, Allentown, Pa.
Filed March 25, 1922. Serial No. 161,251. PUBLISHED APRIL 17, 1923.

171,145. SUGAR. TATE & LYLE LIMITED, London, England.
Filed April 3, 1922. Serial No. 161,707. PUBLISHED MAY 15, 1923.

171,146. ENVELOPES. KOVACS AND MESZAROS, Donbo, Pa.
Filed April 12, 1922. Serial No. 162,179. PUBLISHED MAY 1, 1923.

171,147. CANDY. WALTER J. HIRSCH COMPANY, Chicago, Ill.
Filed April 19, 1922. Serial No. 162,547. PUBLISHED MAY 15, 1923.

171,148. UMBRELLAS. KORTENBACH & RAUH, Weyer, Germany.
Filed April 19, 1922. Serial No. 162,556. PUBLISHED MAY 1, 1923.

171,149. PAPETERIES, WRITING AND TYPEWRITING TABLETS; WRITING PAPER IN REAMS, POUNDS, AND OTHER PACKAGES; AND MAILING ENVELOPES. WHITE & WYCKOFF MANUFACTURING COMPANY, Holyoke, Mass.
Filed February 8, 1923. Serial No. 175,750. PUBLISHED MAY 1, 1923.

171,150. CHILDREN'S SLEDS. SAFETY SLED COMPANY, INC., Mount Jewett, Pa.
Filed February 12, 1923. Serial No. 175,949. PUBLISHED APRIL 24, 1923.

171,151. TOY COASTERS. THE H. E. M. MFG. Co., Hamilton, Ohio.
Filed February 14, 1923. Serial No. 176,023. PUBLISHED APRIL 24, 1923.

171,152. GOLF BAGS. THE WINCHESTER COMPANY, New Haven, Conn.
Filed February 14, 1923. Serial No. 176,055. PUBLISHED APRIL 24, 1923.

171,153. GOLF CLUBS. BRAW LADDIE GOLF COMPANY, Oakland, Calif.
Filed February 15, 1923. Serial No. 176,062. PUBLISHED APRIL 24, 1923.

171,154. PENS. C. HOWARD HUNT PEN COMPANY, Camden, N. J.
Filed February 16, 1923. Serial No. 176,128. PUBLISHED MAY 1, 1923.

171,155. SOFT DRINK. CALIFORNIA CITRUS FRUIT JUICE COMPANY, Wilmington, Del., and San Francisco, Calif.
Filed February 17, 1923. Serial No. 176,163. PUBLISHED MAY 1, 1923.

171,156. CIGARETTES. WESTERN TOBACCO COMPANY, INC., New York, N. Y.
Filed February 17, 1923. Serial No. 176,236. PUBLISHED APRIL 24, 1923.

171,157. GRAPE BEVERAGE. THE NU GRAPE COMPANY OF AMERICA, Atlanta, Ga.
Filed February 19, 1923. Serial No. 176,276. PUBLISHED MAY 1, 1923.

171,158. PARIS WHITE. THE TAINTOR COMPANY, New York, N. Y.
Filed February 19, 1923. Serial No. 176,314. PUBLISHED MAY 1, 1923.

171,159. MEMORANDUM PAPER HOLDER. BLISS COMPANY, INC., New York, N. Y.
Filed February 20, 1923. Serial No. 176,321. PUBLISHED MAY 1, 1923.

171,160. TAGS. DENNISON MANUFACTURING CO., Framingham, Mass.
Filed February 20, 1923. Serial No. 176,330. PUBLISHED MAY 1, 1923.

171,161. COMPOUND OF VEGETABLE GUMS AND SUGARS DESIGNED FOR USE AS AN INGREDIENT OF ICE CREAM TO IMPROVE THE BODY OF THE PRODUCT. THE LIQUID CARBONIC COMPANY, Chicago, Ill.
Filed February 23, 1923. Serial No. 176,485. PUBLISHED MAY 22, 1923.

171,162. HAIR NETS. FULGHUM & COMPANY, Los Angeles, Calif.
Filed February 26, 1923. Serial No. 176,613. PUBLISHED MAY 1, 1923.

171,163. GOLF DEVICE. ARNOLD W. MILLER, doing business as Golf Progress Company, Columbus, Ohio.
Filed February 26, 1923. Serial No. 176,637. PUBLISHED APRIL 24, 1923.

171,164. COFFEE AND TEA. THE EAGLE TEA & COFFEE COMPANY, INC., New York, N. Y.
Filed February 27, 1923. Serial No. 176,672. PUBLISHED MAY 22, 1923.

171,165. READY-MIXED PAINT FOR PLASTERED WALLS, BRICK OR CONCRETE SURFACES, WOOD AND METAL TRIM. A. C. HORN COMPANY, New York, N. Y.
Filed February 28, 1923. Serial No. 176,738. PUBLISHED MAY 1, 1923.

171,166. POLISHES FOR AUTOMOBILES AND FURNITURE. LAWRENCE E. BEOUGHER, McFarland, Calif.
Filed March 1, 1923. Serial No. 176,781. PUBLISHED APRIL 24, 1923.

171,167. PAPER AND STATIONERY—NAMELY, WRITING PAPER OF VARIOUS KINDS AND SIZES AND ENVELOPES PACKED IN CARDBOARD BOXES. BERLIN & JONES COMPANY, INC., New York, N. Y.
Filed March 1, 1923. Serial No. 176,783. PUBLISHED MAY 8, 1923.

171,168. CANDY. THE OHIO CONFECTION COMPANY, Cleveland, Ohio.
Filed February 10, 1923. Serial No. 175,883. PUBLISHED MAY 15, 1923.

171,169. MACARONI, SPAGHETTI, READY-CUT MACARONI, READY-CUT SPAGHETTI, MACARONI SHELLS, VERMICELLI, EGG NOODLES, MACARONI SOUP, AND ALIMENTARY PASTES. KANSAS CITY MACARONI & IMPORTING CO., doing business as the Abbreviated Kansas City Macaroni Co., Kansas City, Mo.
Filed October 28, 1922. Serial No. 171,325. PUBLISHED MAY 1, 1923.

171,170. CANNED PEACHES, CANNED TOMATOES, AND CANNED SWEET POTATOES. AMERICAN CONE AND PRETZEL COMPANY, doing business as Continental Packing Corporation, Philadelphia, Pa.
Filed October 31, 1922. Serial No. 171,397. PUBLISHED MAY 1, 1923.

171,171. CANNED BEANS, CANNED TOMATOES, CANNED SWEET POTATOES, CANNED PEACHES, CHILI SAUCE PUT UP IN CONTAINERS, AND CATCHUP PUT UP IN CONTAINERS. AMERICAN CONE AND PRETZEL COMPANY, doing business as Continental Packing Corporation, Philadelphia, Pa.
Filed October 31, 1922. Serial No. 171,398. PUBLISHED MAY 1, 1923.

171,172. CANNED PEACHES, CANNED LIMA BEANS, CANNED BEANS, CANNED TOMATOES, AND CANNED SWEET POTATOES. AMERICAN CONE AND PRETZEL COMPANY, doing business as Continental Packing Corporation, Philadelphia, Pa.
Filed October 31, 1922. Serial No. 171,400. PUBLISHED MAY 8, 1923.

171,173. CANDY. CACTUS CRYSTAL COMPANY, Dover, Del., and Fort Worth, Tex.
Filed November 1, 1922. Serial No. 171,450. PUBLISHED MARCH 27, 1923.

171,174. SPORTING GOODS. CHARLES M. GHRISKEY'S SONS, Philadelphia, Pa.
Filed November 1, 1922. Serial No. 171,456. PUBLISHED MAY 1, 1923.

171,175. ICE-CREAM CONFECTIONS. SQUARE DIPPER SPECIALTY COMPANY, Pittsburgh, Pa.
Filed November 1, 1922. Serial No. 171,474. PUBLISHED MARCH 27, 1923.

171,176. EDIBLE CORN OIL. CORN PRODUCTS REFINING CO., New York, N. Y.
Filed November 2, 1922. Serial No. 171,487. PUBLISHED MAY 1, 1923.

171,177. COFFEE. THE LAIRD MANUFACTURING CO., INC., Richmond, Va.
Filed November 4, 1922. Serial No. 171,581. PUBLISHED MAY 8, 1923.

171,178. BOND PAPER. THE PEERLESS PAPER COMPANY, Dayton, Ohio.
Filed November 6, 1922. Serial No. 171,653. PUBLISHED MAY 8, 1923.

171,179. SLIDING CASTERS. INTERNATIONAL SUPPLY COMPANY, Boston, Mass.
Filed November 7, 1922. Serial No. 171,697. PUBLISHED APRIL 24, 1923.

171,180. CANDY. CHOCOLATE PRODUCTS COMPANY, Baltimore, Md.
Filed November 7, 1922. Serial No. 171,686. PUBLISHED MAY 1, 1923.

171,181. CANDY BAR. MILLER-MCMILLEN CO., Watertown, S. Dak.
Filed November 18, 1922. Serial No. 172,235. PUBLISHED MAY 8, 1923.

171,182. VEGETABLE RELISHES. GILBERT J. EASTON, Newark, N. J.
Filed November 17, 1922. Serial No. 172,149. PUBLISHED MAY 8, 1923.

171,183. CARBON PAPER AND TYPEWRITER RIBBONS. THE BUCKEYE RIBBON & CARBON CO., Cleveland, Ohio.
Filed November 16, 1922. Serial No. 172,080. PUBLISHED APRIL 24, 1923.

171,184. CANNED FRUITS, CANNED FRUIT SALAD, CANNED VEGETABLES, AND DRIED FRUIT. F. G. WOOL PACKING COMPANY, San Jose, Calif.
Filed November 15, 1922. Serial No. 172,071. PUBLISHED MAY 1, 1923.

171,185. TEA. C & T IMPORTING COMPANY, San Francisco, Calif.
Filed November 14, 1922. Serial No. 171,984. PUBLISHED MAY 15, 1923.

171,186. FRESH DECIDUOUS AND CITROUS FRUITS, FRESH VEGETABLES, CANNED FRUITS, CANNED VEGETABLES, AND FRUIT JAM. PLEASANT GROVE CANNING CO., Pleasant Grove, Utah.
Filed November 13, 1922. Serial No. 171,952. PUBLISHED MAY 1, 1923.

171,187. CANNED FRUITS AND VEGETABLES. MCHENRY CANNERY, Modesto, Calif.
Filed November 13, 1922. Serial No. 171,937. PUBLISHED MAY 1, 1923.

171,188. CANDY AND CONFECTIONS. EARL MCKNIGHT, Pittsburgh, Pa.
Filed November 9, 1922. Serial No. 171,761. PUBLISHED MAY 1, 1923.

171,189. COTTON PIECE GOODS. GREAT FALLS MANUFACTURING COMPANY, Somersworth, N. H.
Filed December 31, 1921. Serial No. 157,367. PUBLISHED APRIL 3, 1923.

171,190. CHILDREN'S ROMPERS AND ONE-PIECE PLAY GARMENTS. THE KAYNEE COMPANY, Cleveland, Ohio.
Filed December 18, 1919. Serial No. 126,221. PUBLISHED MAY 1, 1923.

171,191. OVERALLS. THE KAYNEE COMPANY, Cleveland, Ohio.
Filed December 18, 1919. Serial No. 126,222. PUBLISHED MAY 1, 1923.

171,192. BASEBALL CAPS, BATHING CAPS, COLLEGE CAPS, JERSEY CAPS, MEN'S SPORT CLOTHES, LADIES' SPORT CLOTHES. P. GOLDSMITH'S SONS, Cincinnati, Ohio.
Filed November 8, 1920. Serial No. 139,353. PUBLISHED MAY 8, 1923.

171,193. FOOD PREPARATION CONTAINING EXTRACT OF MEAT AND OTHER INGREDIENTS, IN LIQUID AND TABLET FORM. COLEMAN AND COMPANY LIMITED, Norwich, England.
Filed December 11, 1920. Serial No. 140,919. PUBLISHED MAY 8, 1923.

171,194. SPICES. AMERICAN TEA & COFFEE CO., INC., Nashville, Tenn.
Filed December 23, 1920. Serial No. 141,447. PUBLISHED MAY 15, 1923.

171,195. TYPEWRITER RIBBONS. BLACKBIRD FACTORIES, INC., Los Angeles, Calif.
Filed April 29, 1921. Serial No. 146,950. PUBLISHED APRIL 24, 1923.

171,196. WORK SHIRTS, DRESS SHIRTS, NEGLIGEE SHIRTS, AND FLANNEL SHIRTS. THE S & S SHIRT COMPANY, Philipsburg, Pa.
Filed May 4, 1921. Serial No. 147,217. PUBLISHED MAY 1, 1923.

171,197. CANNED PINEAPPLE. HAWAIIAN PINEAPPLE COMPANY, LTD., San Francisco, Calif., and Honolulu, Territory of Hawaii.
Filed May 9, 1921. Serial No. 147,426. PUBLISHED MAY 8, 1923.

171,198. LADIES' SILK UNDERWEAR. VANITY FAIR SILK MILLS, Reading, Pa.
Filed May 12, 1921. Serial No. 147,649. PUBLISHED MAY 8, 1923.

171,199. HOSIERY. TOEWEAR HOSIERY INCORPORATED, Norristown, Pa.
Filed June 6, 1921. Serial No. 148,774. PUBLISHED MAY 8, 1923.

171,200. OLIVE OIL AND SALAD OIL. STROHMEYER & ARPE COMPANY, New York, N. Y.
Filed August 1, 1921. Serial No. 151,237. PUBLISHED MAY 1, 1923.

171,201. KNITTED CAPS. THE BAMBERGER REINTHAL CO., Cleveland, Ohio.
Filed August 17, 1921. Serial No. 151,864. PUBLISHED MAY 8, 1923.

171,202. MEN'S AND BOYS' SUITS AND OVERCOATS. THE FAIR, Chicago, Ill.
Filed August 24, 1921. Serial No. 152,124. PUBLISHED MAY 1, 1923.

171,203. DRY CLEANER. DAVIS CHEMICAL COMPANY, Toledo, Ohio.
Filed September 12, 1921. Serial No. 152,834. PUBLISHED APRIL 24, 1923.

171,204. MANUFACTURED CANDY WITH NUTS INTO A "NUT BAR." THE WILTON-PLANTZ CANDY COMPANY, Valdosta, Ga.
Filed October 24, 1921. Serial No. 154,540. PUBLISHED MAY 1, 1923.

171,205. PRUNES. JAMES A. WAYBORN, doing business as Jameway Co., Brooklyn, N. Y.
Filed October 26, 1921. Serial No. 154,631. PUBLISHED MAY 15, 1923.

171,206. CANNED EVAPORATED MILK. CARL A. BAUMANN, doing business as Lake Mills Milk Company, Jefferson, Wis.
Filed November 21, 1921. Serial No. 155,662. PUBLISHED MAY 8, 1923.

171,207. HATS FOR MEN, WOMEN, AND CHILDREN. THE MALLORY HAT COMPANY, Danbury, Conn.
Filed December 13, 1920. Serial No. 156,653. PUBLISHED MAY 8, 1923.

171,208. UNBLEACHED SHEETINGS AND DRILLS. ROBERT A. SUFFERN, New York, N. Y.
Filed December 24, 1921. Serial No. 157,109. PUBLISHED APRIL 17, 1923.

171,209. LUBRICANTS COMPRISING OILS AND GREASES. KEYSTONE LUBRICATING COMPANY, Philadelphia, Pa.
Filed April 3, 1923. Serial No. 178,511. PUBLISHED MAY 15, 1923.

171,210. LUBRICANTS COMPRISING OILS AND GREASES. KEYSTONE LUBRICATING COMPANY, Philadelphia, Pa.
Filed April 3, 1923. Serial No. 178,509. PUBLISHED MAY 15, 1923.

171,211. HAMES, HAME TRIMMINGS, AND SADDLERY HARDWARE. U. S. HAME COMPANY, Buffalo, N. Y.
Filed March 29, 1923. Serial No. 178,313. PUBLISHED MAY 15, 1923.

171,212. HAMES, HAME TRIMMINGS, AND SADDLERY HARDWARE. U. S. HAME COMPANY, Buffalo, N. Y.
Filed March 29, 1923. Serial No. 178,312. PUBLISHED MAY 15, 1923.

171,213. PYROXYLIN THINNER. FLOOD & CONKLIN COMPANY, Newark, N. J.
Filed March 28, 1923. Serial No. 178,174. PUBLISHED MAY 15, 1923.

171,214. WARDROBE TRUNKS. SEWARD TRUNK AND BAG COMPANY, Petersburg, Va.
Filed March 24, 1923. Serial No. 178,004. PUBLISHED MAY 15, 1923.

171,215. ABSORBENT COTTON, ABSORBENT GAUZE, ABSORBENT WASTE, BANDAGE ROLLS, CRINOLINE BANDAGES, DENTAL NAPKINS, GAUZE BANDAGES, GAUZE PADS, MUSLIN BANDAGES, AND SURGEONS' ADHESIVE PLASTER. HYGIENIC FIBRE COMPANY, Versailles, Conn., and New York, N. Y.
Filed March 21, 1923. Serial No. 177,784. PUBLISHED MAY 15, 1923.

171,216. COMPOUND FOR LOOSENING TIGHT NUTS ON BOLTS, AND LUBRICATING LEAF SPRINGS. JOHN A. CARROLL, doing business as Liquid Wrench Company, Schenectady, N. Y.
Filed March 20, 1923. Serial No. 177,726. PUBLISHED MAY 15, 1923.

171,217. CORDS, TWINES, ROPES, AND LINES OF FIBER MATERIAL MADE FROM COTTON, HEMP, MANILA, SISAL, OR JUTE, SAID LINES BEING OF THE NATURE OF CLOTHESLINES. HIGHLAND CORDAGE COMPANY, Highland and Hickory, N. C.
Filed March 19, 1923. Serial No. 177,668. PUBLISHED MAY 15, 1923.

171,218. HAT BAGS. HELEN C. GAMBLE, New Brunswick, N. J.
Filed March 19, 1923. Serial No. 177,664. PUBLISHED MAY 15, 1923.

171,219. VARNISHES. EDWARD SMITH & COMPANY, Long Island City, N. Y.
Filed March 17, 1923. Serial No. 177,629. PUBLISHED MAY 1, 1923.

171,220. CIGARS. OTTO EISENLOHR & BROS. INCORPORATED, Philadelphia, Pa.
Filed March 15, 1923. Serial No. 177,477. PUBLISHED APRIL 24, 1923.

171,221. CRAYONS AND PENCILS. THE AMERICAN CRAYON COMPANY, Sandusky, Ohio.
Filed March 13, 1923. Serial No. 177,347. PUBLISHED MAY 8, 1923.

171,222. DOLLS. FRANK O. KING, Chicago, Ill.
Filed March 10, 1923. Serial No. 177,228. PUBLISHED APRIL 24, 1923.

171,223. DRY PASTE. PYRAMID PROCESS CO., INC., East Rochester, N. Y.
Filed March 9, 1923. Serial No. 177,200. PUBLISHED MAY 15, 1923.

171,224. DOMESTIC REFRIGERATORS. PRESCOTT & COMPANY, Boston, Mass.
Filed March 9, 1923. Serial No. 177,199. PUBLISHED MAY 8, 1923.

171,225. PLAYING CARDS. RUSSELL PLAYING CARD CO., Milltown, N. J.
Filed March 7, 1923. Serial No. 177,109. PUBLISHED APRIL 24, 1923.

171,226. READY-MIXED PAINT, VARNISH, AND PAINT ENAMEL. REPUBLIC VARNISH COMPANY, Newark, N. J.
Filed March 7, 1923. Serial No. 177,107. PUBLISHED MAY 15, 1923.

171,227. TOY VEHICLES. CLAUDE E. BOWERS, doing business as Bowers Manufacturing Company, Los Angeles, Calif.
Filed March 7, 1923. Serial No. 177,067. PUBLISHED APRIL 24, 1923.

171,228. TOY ANIMALS. ASIATIC IMPORT CO., INC., New York, N. Y.
Filed March 6, 1923. Serial No. 177,030. PUBLISHED APRIL 24, 1923.

171,229. ALIMENTARY PASTE PRODUCTS. THARINGER MACARONI COMPANY, Milwaukee, Wis.
Filed October 25, 1922. Serial No. 171,186. PUBLISHED MAY 15, 1923.

171,230. POWDER TO BE USED IN THE PREPARATION OF SALAD DRESSING. GUY M. FIELD, High Point, N. C.
Filed October 25, 1922. Serial No. 171,158. PUBLISHED MAY 8, 1923.

171,231. CANNED PLUM PUDDING. A. SILZ, INC., New York, N. Y.
Filed October 14, 1922. Serial No. 171,141. PUBLISHED MAY 22, 1923.

171,232. TOY VELOCIPEDES. JOHN T. CASEY, doing business as United States Juvenile Vehicle Co., Philadelphia, Pa.
Filed October 20, 1922. Serial No. 170,968. PUBLISHED MAY 1, 1923.

171,233. COFFEE AND TEA. REQUA BROS., Cold Spring Harbor, N. Y.
Filed October 17, 1922. Serial No. 170,834. PUBLISHED MAY 15, 1923.

171,234. DATES, SALTED NUTS, AND PRESERVED FIGS. ROYAL SEAL FOOD PRODUCTS CO., Chicago, Ill.
Filed October 16, 1922. Serial No. 170,789. PUBLISHED MAY 8, 1923.

171,235. PRESERVES, PICKLES, RELISHES, AND OTHER FOODS. G. H. WETTERAU & SONS GROCER COMPANY, St. Louis, Mo.
Filed October 14, 1922. Serial No. 170,736. PUBLISHED MAY 8, 1923.

171,236. CANNED SALMON. HARRY CONNIFF, doing business as Angeles Packing Company, Seattle, Wash.
Filed October 11, 1922. Serial No. 170,566. PUBLISHED MAY 1, 1923.

171,237. CANDY. THE GEORGE CLOSE CO., Cambridge, Mass.
Filed October 11, 1922. Serial No. 170,564. PUBLISHED MAY 8, 1923.

171,238. CANDY. THE GEORGE CLOSE CO., Cambridge, Mass.
Filed October 11, 1922. Serial No. 170,562. PUBLISHED MAY 1, 1923.

171,239. LADIES' AND MISSES' DRESSES. JOS. A. MORRIS & CO., INC., New York, N. Y.
Filed October 6, 1922. Serial No. 170,399. PUBLISHED MAY 8, 1923.

171,240. CHOCOLATES AND CANDIES. E. GREENFIELD'S SONS, New York and Brooklyn, N. Y.
Filed October 6, 1922. Serial No. 170,385. PUBLISHED MAY 15, 1923.

171,241. HOSIERY. SAMUEL A. GOLDBERG, Chicago, Ill.
Filed October 6, 1922. Serial No. 170,375. PUBLISHED MAY 8, 1923.

171,242. MEN'S DRESS AND NEGLIGEE SHIRTS, PYJAMAS, AND UNDERWEAR OF TEXTILE FABRIC. WILSON BROTHERS, Chicago, Ill.
Filed October 4, 1922. Serial No. 170,320. PUBLISHED MAY 8, 1923.

171,243. HOSIERY AND KNITTED UNDERWEAR IN ONE AND TWO PIECE GARMENTS FOR MEN, WOMEN, AND CHILDREN. REALSILK FABRICS CORPORATION, (now by change of name Liberty Fabrics Corporation), Brooklyn, N. Y.
Filed October 4, 1922. Serial No. 170,308. PUBLISHED MAY 8, 1923.

171,244. KNITTED OUTER GARMENTS. HALPERN & KALB, INC., New York, N. Y.
Filed October 2, 1922. Serial No. 170,186. PUBLISHED MAY 1, 1923.

171,245. LADIES' DRESSES, COATS, AND BLOUSES. R. KIASHBAUM & SON, INC., Indianapolis, Ind.
Filed September 26, 1922. Serial No. 169,957. PUBLISHED MAY 8, 1923.

171,246. LADIES' AND MISSES' SUITS; LADIES', MISSES', CHILDREN'S INTERMEDIATES; AND JUNIOR COATS; LADIES' AND MISSES' DRESSES; FURS—NAMELY, NECK PIECES, SCARFS, MUFFS, AND COATS. THE CINCINNATI CLOAK & SUIT COMPANY, Cincinnati, Ohio.
Filed September 26, 1922. Serial No. 169,948. PUBLISHED MAY 8, 1923.

171,247. CANNED APRICOTS, GRAPES, PLUMS, PEACHES, PINEAPPLE, CHERRIES, PEARS, CORN, PEAS, AND ASPARAGUS. FRANCIS H. LEGGETT & COMPANY, New York, N. Y.
Filed October 27, 1922. Serial No. 171,275. PUBLISHED MAY 8, 1923.

171,248. CRAB MEAT. TAITO TRADING COMPANY, INC., New York, N. Y.
Filed October 26, 1922. Serial No. 171,236. PUBLISHED MAY 15, 1923.

171,249. HAMMERS. THE STANLEY WORKS, New Britain, Conn.
Filed July 27, 1922. Serial No. 167,491. PUBLISHED FEBRUARY 27, 1923.

171,250. CANDIES. J. N. COLLINS COMPANY, Minneapolis, Minn.
Filed March 10, 1922. Serial No. 160,488. PUBLISHED DECEMBER 12, 1922.

171,251. NIGHTGOWNS. L. H. CLARK MFG. CO. INC., Brooklyn, N. Y.
Filed September 25, 1922. Serial No. 169,891. PUBLISHED MAY 1, 1923.

171,252. CANNED FRUITS AND CANNED VEGETABLES, JAMS, PRESERVES, DRIED FRUITS, OLIVES, OLIVE OIL. CALIFORNIA GROWERS ASSOCIATION, INC., Los Angeles, Calif.
Filed September 23, 1922. Serial No. 169,844. PUBLISHED MAY 15, 1923.

171,253. CANNED FRUITS AND VEGETABLES. H. M. NEWHALL & Co., San Francisco, Calif.
Filed September 21, 1922. Serial No. 169,772. PUBLISHED MAY 1, 1923.

171,254. MEN'S AND BOYS' DRESS SHIRTS. LANCHESTER SHIRT CO. INC., New York, N. Y.
Filed September 20, 1922. Serial No. 169,717. PUBLISHED MAY 8, 1923.

171,255. LADIES' KNIT UNDERWEAR. CALIFORNIA UNDERWEAR AND HOSIERY MILLS, also doing business as California Underwear Mills, Los Angeles, Calif.
Filed September 18, 1922. Serial No. 169,619. PUBLISHED MAY 1, 1923.

171,256. HOSIERY. GREENEBAUM, WEIL & MICHELS, San Francisco, Calif.
Filed September 18, 1922. Serial No. 169,590. PUBLISHED MAY 8, 1923.

171,257. CANDIES. KING CANDY CO., Fort Worth, Tex.
Filed September 16, 1922. Serial No. 169,551. PUBLISHED MAY 1, 1923.

171,258. YOUNG LADIES' DRESSES. J. PHILIP ROSENBLOOM CO. INC., New York, N. Y.
Filed September 14, 1922. Serial No. 169,457. PUBLISHED MAY 1, 1923.

171,259. MEN'S AND YOUNG MEN'S SUITS AND TOPCOATS. MINTZ & FRIEDMAN, New York, N. Y.
Filed September 14, 1922. Serial No. 169,455. PUBLISHED MAY 1, 1923.

171,260. FUR COATS, CAPES, AND STOLES AND FUR GARMENTS. FELDBAUM & SPIEGEL, INC., New York, N. Y.
Filed September 14, 1922. Serial No. 169,439. PUBLISHED MAY 8, 1923.

171,261. CANDY. EDWIN DEAN, Hoboken, N. J.
Filed September 14, 1922. Serial No. 169,435. PUBLISHED MAY 15, 1923.

171,262. MEN'S AND BOYS' DRESS, NEGLIGEE, AND WORK SHIRTS. KINGLY SHIRT CO., Chicago, Ill.
Filed September 12, 1922. Serial No. 169,363. PUBLISHED MAY 8, 1923.

171,263. FOOD-FLAVORING EXTRACTS FOR CONFECTIONERY, CAKES, ICE CREAM, CAKE TOPPINGS, JELLIES, AND DESSERTS. JULIUS MARCUS COMPANY, Chicago, Ill.
Filed September 11, 1922. Serial No. 169,313. PUBLISHED MAY 1, 1923.

171,264. LUBRICATING OILS. CLYDE R. GILLETT, doing business as Gillett Chemical Works, Sacramento, Calif.
Filed September 11, 1922. Serial No. 169,293. PUBLISHED MAY 15, 1923.

171,265. A BREAKFAST CEREAL FOOD. ALBERS BROS. MILLING CO., Seattle, Wash.
Filed September 11, 1922. Serial No. 169,270. PUBLISHED APRIL 3, 1923.

171,266. CANNED PINEAPPLE. HAIKU FRUIT & PACKING CO., Haiku, Maui, Territory of Hawaii, and San Francisco, Calif.
Filed September 9, 1922. Serial No. 169,243. PUBLISHED MAY 8, 1923.

171,267. LADIES' DRESSES OF SILK, COTTON, AND WOOL, AND COMBINATIONS THEREOF. LOUIS BERNSTEIN, doing business as Princess Dress House, New York, N. Y.
Filed September 9, 1922. Serial No. 169,235. PUBLISHED MAY 8, 1923.

171,268. CERTAIN NAMED CLOTHING. BABCOCK & SHANNON CO., Albany, N. Y.
Filed August 30, 1922. Serial No. 168,870. PUBLISHED MAY 8, 1923.

171,269. COLLARS, NECKTIES, SCARFS, CRAVATS, SUSPENDERS, GARTERS, ARM BANDS, GLOVES OF LEATHER AND FABRIC, AND MITTENS. BABCOCK & SHANNON CO., Albany, N. Y.
Filed August 30, 1922. Serial No. 168,869. PUBLISHED MAY 8, 1923.

171,270. ORANGES, GRAPEFRUIT, AND CITROUS FRUIT IN THEIR NATURAL STATE. JOE MITCHELL KNIGHT, Elfers, Fla.
Filed August 29, 1922. Serial No. 168,848. PUBLISHED MAY 1, 1923.

[ACT OF MARCH 19, 1920, SEC. 1 (b)].

THESE REGISTRATIONS ARE NOT SUBJECT TO OPPOSITION.

171,271. (CLASS 36. MUSICAL INSTRUMENTS AND SUPPLIES.) WALL-KANE NEEDLE MFG. CO. INC., Brooklyn, N. Y. Filed Mar. 6, 1923. Serial No. 177,056.

WALL-KANE

Particular description of goods.—Phonograph Needles. *Claims use* since Feb. 21, 1916.

171,272. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) WILLIAM HOLLINS & COMPANY, INC., New York, N. Y. Filed Jan. 3, 1923. Serial No. 174,135.

Hollins

Particular description of goods.—Goods in the Piece Made of Wool, Silk, Cotton, and Mixtures of the Same. *Claims use* since June 12, 1920.

171,273. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) THE BORDEN COMPANY, New York, N. Y. Filed Dec. 1, 1922. Serial No. 172,726.

Borden's NUTTY KUBES

Particular description of goods.—Confectionery—viz, Chocolate Cubes.
Claims use since Oct. 5, 1921.

171,274. (CLASS 21. ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES.) PACENT ELECTRIC COMPANY, INCORPORATED, New York, N. Y. Filed June 19, 1922. Serial No. 165,711.

MULTI JACK

Particular description of goods.—Jacks for Radio Telephone and Telegraph and Similar Purposes.
Claims use for not less than one year.

171,275. (CLASS 21. ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES.) PACENT ELECTRIC COMPANY, INCORPORATED, New York, N. Y. Filed June 19, 1922. Serial No. 165,710.

TWIN ADAPTER

Particular description of goods.—Connector Plugs for Radio Telephone and Telegraph and Similar Purposes.
Claims use for not less than one year.

171,276. (CLASS 36. MUSICAL INSTRUMENTS AND SUPPLIES.) SONORA, INC., New York, N. Y. Filed May 19, 1922. Serial No. 164,119.

MARQUETTE

Particular description of goods.—Talking Machines and Phonographs.
Claims use since on or about Mar. 1, 1922.

171,277. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) RIKER, GALINDO & COMPANY, INC., New York, N. Y. Filed Aug. 31, 1921. Serial No. 152,448.

Ritz Carlton

Particular description of goods.—Coffee, Flavoring Extracts, Milk (Condensed and Evaporated), Tea, Canned Goods—Namely, Fruits, Vegetables, Conserves, Soups, and Fish.
Claims use since Aug. 1, 1921.

171,278. (CLASS 28. JEWELRY AND PRECIOUS-METAL WARE.) WIGHTMAN & HOUGH COMPANY, Providence, R. I. Filed Mar. 12, 1921. Serial No. 144,699.

WHOLPACK

Particular description of goods.—Cigarette Cases, Cigar Cases, Matchcases, Spectacle Cases, Eyeglass Cases, and Vanity Cases, All of Said Articles Being Made of or Plated with Precious Metals.
Claims use since Jan. 1, 1921.

INTERNATIONAL TRADE-MARK REGISTRATIONS

The following International Registrations have been received from the Bureau at Habana and have been placed upon the Register in accordance with the provisions of section 1 (a) of the act of March 19, 1920.

171,279. International Registration No. 856 of May 28, 1923. Registered in Cuba on June 17, 1922, No. 37,287. Proprietor: HORACIO DE CÓRDOVA Y AVILÉS. Address: Avenida Wilson esquina a 6, Vedado, Habana, Cuba.

MONOVIRINA

Merchandise to which the mark is affixed.—Biological and Pharmaceutical Products.

171,280. International Registration No. 867 of June 15, 1923. Registered in Cuba on June 22, 1914, No. 30,144. Proprietor: S. A. REY DEL MUNDO CIGAR CO. Address: Calle de Padre Varela No. 90, Habana, Cuba.

LA FLOR DE ALLONES DE A. ALLONES Y Hº HABANA

Merchandise to which the mark is affixed.—Cigars.

171,281. International Registration No. 868 of June 15, 1923. Registered in Cuba on June 22, 1914, No. 30,143. Proprietor: S. A. REY DEL MUNDO CIGAR CO. Address: Calle de Padre Varela No. 90, Habana, Cuba.

EL REY DEL MUNDO A y Hº HABANA

Merchandise to which the mark is affixed.—Cigars.

171,282. International Registration No. 869 of June 15, 1923. Registered in Cuba on April 5, 1922, No. 37,135. Proprietor: EDUARDO VALDÉS FIGUEROA, S. EN C. Address: Independencia No. 76, Ciego de Avila, Cuba.

UBI

Merchandise to which the mark is affixed.—A Medicinal Preparation.

LABELS

REGISTERED JULY 31, 1923.

26,264.—*Title:* A. F. C. LACES. For Lace Cards. THE AMERICAN FABRICS COMPANY, Bridgeport, Conn. Published June 15, 1923.

26,265.—*Title:* THE SHINGLE BEAUTIFUL. For Shingles. T. A. BRUETT LUMBER, INC., Milwaukee, Wis. Published February 19, 1923.

26,266.—*Title:* "RHOPAC" FLEXIBLE METALLIC PACKING. For Packing. CHICAGO METALLIC PACKING CO., Chicago, Ill. Published August 1, 1922.

26,267.—*Title:* COONEY'S INK PASTE. For Concentrated Ink. FRANK B. COONEY, Minneapolis, Minn. Published September 1, 1922.

26,268.—*Title:* DEPENDABLE. For Coffee. DWIGHT EDWARDS COMPANY, Portland, Oreg. Published March 12, 1923.

26,269.—*Title:* GOLDEN HORN. For Roasted Coffee. THE ENNIS-HANLY-BLACKBURN COFFEE CO., Kansas City, Mo. Published June 28, 1923.

26,270.—*Title:* WHOLE WHEAT BREAD. For Bread. THE HAMERSLEY MANUFACTURING COMPANY, New York, N. Y. Published June 18, 1923.

26,271.—*Title:* GRAHAM BREAD. For Bread. THE HAMERSLEY MANUFACTURING COMPANY, New York, N. Y. Published June 18, 1923.

26,272.—*Title:* BLUE DOT. For Hops. LEE M. HIRSCHLER, doing business as Hirschler & Co., Cincinnati, Ohio. Published April 18, 1923.

26,273.—*Title:* EGGS. For Poultry Products. LONG ISLAND POULTRY ASSOCIATION, Huntington, N. Y. Published May 14, 1923.

26,274.—*Title:* GOLDEN CAL. For Canned Grapefruit. MAILLIARD & SCHMIEDELL, San Francisco, Calif. Published April 24, 1923.

26,275.—*Title:* GOLDEN CAL. For Canned Asparagus. MAILLIARD & SCHMIEDELL, San Francisco, Calif. Published April 24, 1923.

26,276.—*Title:* SEAWARE. For Paint. J. W. MERRIMAN, Seattle, Wash. Published March 8, 1923.

26,277.—*Title:* BABY COMFORT KIT. For a Container Holding Articles for the Care of Babies. THE MILLER RUBBER COMPANY, Akron, Ohio. Published May 1, 1923.

26,278.—*Title:* IT'S A CANDY DANDY BIRD. For a Toy with a Whistle. THE MUSICAL TOY PRODUCTION COMPANY, New York, N. Y. Published March 30, 1923.

26,279.—*Title:* SIGARO VESUVIO. For Boxes and Cans Containing Cigars. PARODI CIGAR CO., INC., Jersey City, N. J. Published April 1, 1922.

26,280.—*Title:* BUCK SHOT LOAD. For Loaded Shot Shells. REMINGTON ARMS COMPANY, INC., New York and Ilion, N. Y., and Bridgeport, Conn. Published March 17, 1923.

26,281.—*Title:* WANDA HAIR NET. For Hair Nets. NATHAN SELIGMAN, doing business as N. Seligman Co., New York, N. Y. Published June 1, 1923.

26,282.—*Title:* BLATZ BOHEMIAN MALT SIRUP. For Malt Sirups. VAL. BLATZ BREWING COMPANY, doing business under the name of Blatz Products Co., Milwaukee, Wis. Published December 1, 1922.

PRINTS

REGISTERED JULY 31, 1923.

6,836.—*Title:* HOUR SAVING APPLIANCES. For Domestic-Labor-Saving Devices, and Particularly Vacuum Cleaners, Washers, Ironers, and Wringers. THE APEX ELECTRICAL MANUFACTURING COMPANY, Cleveland, Ohio. Published April 20, 1923.

6,837.—*Title:* COLUMBIA NEW PROCESS RECORDS. For Graphophone Records. COLUMBIA GRAPHOPHONE COMPANY, New York, N. Y. Published March 1, 1923.

6,838.—*Title:* KEPT SWEET AND CLEAN WITH GOLD DUST. For Gold Dust Washing Powder. THE N. K. FAIRBANK COMPANY, New York, N. Y. Published June 10, 1923.

6,839.—*Title:* YOU MEN FOLKS PREFER FAIRY SOAP. For Fairy Soap. THE N. K. FAIRBANK COMPANY, New York, N. Y. Published June 12, 1923.

6,840.—*Title:* HITONE KUT. For Fancy-Cut Spectacle and Eyeglass Lenses. WM. B. GEORGIA, Waco, Tex. Published June 21, 1923.

6,841.—*Title:* THAT YOU MAY KNOW. For Drugs. E. R. SQUIBB & SONS, New York, N. Y. Published January 1, 1923.

6,842.—*Title:* MOST SERIOUS DENTAL TROUBLES START AT THE DANGER LINE. For Squibb's Magnesia Dental Cream. E. R. SQUIBB & SONS, New York, N. Y. Published June 2, 1923.

6,843.—*Title:* STEAMETER THE NEW HEAT INDICATOR. For Temperature-Indicating Devices. THE STEAMETER CO., Chicago, Ill. Published May 28, 1923.

6,844.—*Title:* ABOVE THEM ALL! For Cuff Buttons. J. F. STURDY'S SONS COMPANY, Attleboro Falls, Mass. Published February 8, 1923.

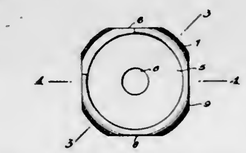
6,845.—*Title:* THOMMEN'S INC. ORIGINATORS OF THE JAPANESE CAKE. For Cake. THOMMEN'S INC., Philadelphia, Pa. Published April 23, 1923.

6,846.—*Title:* WILLIAMS' DOUBLECAP SHAVING STICK. For Shaving-Soap Sticks. THE J. B. WILLIAMS COMPANY, Glastonbury, Conn. Published May 5, 1923.

REISSUES.

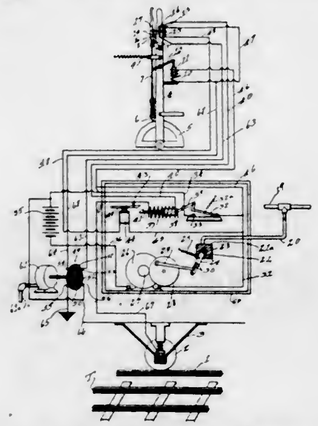
JULY 31, 1923.

15,663. MANICURE IMPLEMENT. JOHN OLIN LANDIS, Waynesboro, Pa. Filed Mar. 15, 1923. Serial No. 625,269. Original No. 1,324,677, dated Dec. 9, 1919, Serial No. 291,314, filed Apr. 19, 1919. 2 Claims. (Cl. 30—23.)



1. A device of the character described comprising a metal disk provided on its edge with a continuous annular flange of substantially circular form in cross section, said flange having flat ground surfaces about its periphery, said ground surfaces extending entirely through the flange to provide a plurality of cutting members.

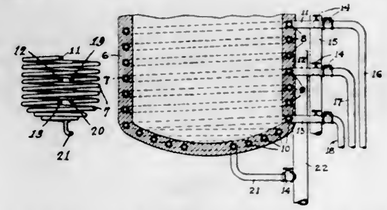
15,664. AUTOMATIC TRAIN-CONTROLLING APPARATUS. EDWARD H. OLSON, JAMES C. H. CLARK, MERL B. MEALEY, Walla Walla, Wash., and CHARLES PELTER, Oregon City, Oreg. Filed Feb. 8, 1923. Serial No. 617,877. Original No. 1,366,588, dated Jan. 25, 1921, Serial No. 215,513, filed Feb. 5, 1918. 3 Claims. (Cl. 246—68.)



1. In a train controlling apparatus, a compressed air brake pipe, a valve for controlling the release of the air within the air brake pipe, an electric circuit, a motor in said electric circuit, an eccentric operated by the motor, said eccentric having connection with the valve for intermittently operating the valve to gradually release the air in the air brake pipe, and means for adjusting the connection between the eccentric and valve to regulate the movement of the valve.

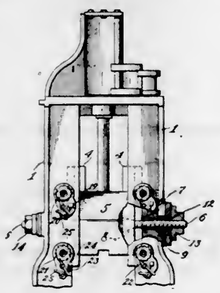
15,665. TEMPERATURE CONTROL OF KETTLES BY ZONES. JOHN GEORGE LEHMAN, Bethlehem, Pa., assignor to Bethlehem Foundry & Machine Company, Bethlehem, Pa., a Corporation of Pennsylvania. Filed Oct. 12, 1922. Serial No. 594,170. Original No. 1,407,666, dated Feb. 21, 1922, Serial No. 327,007, filed Sept. 27, 1919. 6 Claims. (Cl. 257—211.)

1. In a device for treating liquids, a kettle having integral side and bottom walls, fluid passages in the walls, and a plurality of points of inlet to and outlet from the said passages, in combination with controlled fluid supply for



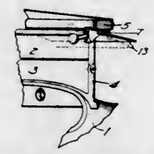
the inlets whereby fluid can be passed through the passages to surround one or more belts or zones of said kettle without passing through the other belt or belts thereof.

15,666. ADJUSTABLE GUIDE FOR HAMMERS. STEPHEN PAUL, Lansing, Mich., assignor, by mesne assignments, to The Massillon Foundry & Machine Company, Massillon, Ohio. Filed July 5, 1922. Serial No. 573,059. Original application filed May 3, 1917, Serial No. 166,132. Renewed May 28, 1920, Serial No. 385,067. Original No. 1,352,621, dated Sept. 14, 1920. 9 Claims. (Cl. 78—37.)



2. In a guide for drop hammers, a drop hammer side frame having a pocket with a bearing face at the bottom of the pocket, a guide adapted to fit in the pocket and to rest upon the bearing face, a retaining device for the guide and independent adjustments for the upper and lower parts of the guide to adjust the guide out of parallelism with its initial position in the adjusted positions.

15,667. SHIELD. HARRY SIMMONS, Spokane, Wash. Filed Jan. 17, 1923. Serial No. 613,300. Original No. 1,399,446, dated Dec. 6, 1921, Serial No. 443,684, filed Feb. 9, 1921. 8 Claims. (Cl. 296—95.)



5. The combination with a shield of a support therefor, a controlling handpiece by means of which said shield is moved to adjust it to various positions, said shield and controlling hand piece having a common pivot connecting both said shield and hand piece with said support and locking means controlled by said handpiece for locking the shield in its adjusted position.

DESIGNS.

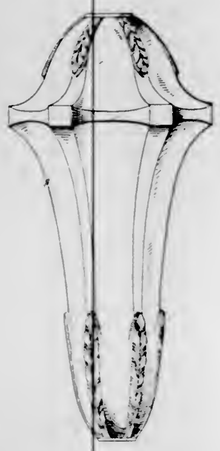
JULY 31, 1923.

62,767. WALL PLATE FOR LIGHTING FIXTURES. GEORGE AINSWORTH, Great Neck, N. Y., assignor to Beverly Lights Corporation, Providence, R. I., a Corporation of Rhode Island. Filed Sept. 22, 1922. Serial No. 3,795. Term of patent 14 years.



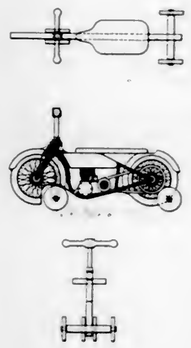
The ornamental design for a wall plate for lighting fixtures as shown.

62,768. BODY SHELL FOR LIGHTING FIXTURES. GEORGE AINSWORTH, Great Neck, N. Y., assignor to Beverly Lights Corporation, Providence, R. I., a Corporation of Rhode Island. Filed Sept. 22, 1922. Serial No. 3,796. Term of patent 14 years.



The ornamental design for a body shell for lighting fixtures as shown.

62,769. CHILD'S VEHICLE. CHARLES E. BAKER, Hartford, Conn., assignor to The Universal Pattern & Model Company, Hartford, Conn., a Corporation of Connecticut. Filed Feb. 26, 1921. Serial No. 448,252. Term of patent 7 years.



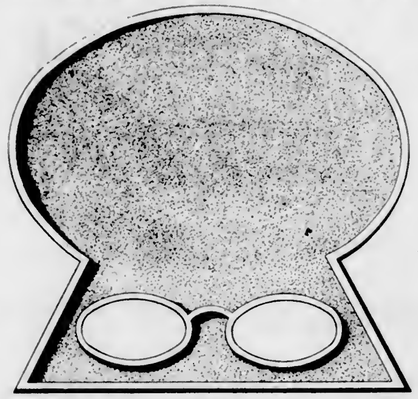
The ornamental design for child's vehicle, as shown.

62,770. FLOWERPOT. WILLIAM H. COCHRAN, Spartanburg, S. C. Filed July 3, 1922. Serial No. 2,932. Term of patent 3½ years.



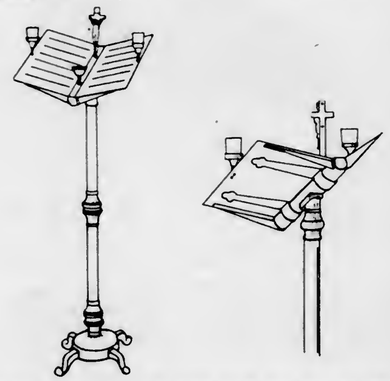
The ornamental design for a flowerpot, as shown.

62,771. IDENTIFICATION SIGN FOR OPTOMETRISTS. EARL F. COLLINS, Charleston, W. Va. Filed July 30, 1920. Serial No. 400,250. Term of patent 3½ years.



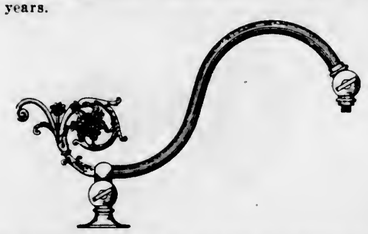
The ornamental design for an identification sign for optometrists as shown.

62,772. MASS-CARD HOLDER. VERNON E. COOK, Utica, and LEO R. H. BURTON, Rome, N. Y. Filed Oct. 14, 1922. Serial No. 3,965. Term of patent 14 years.



The ornamental design for a mass card holder as shown.

62,773. ARM FOR LIGHTING FIXTURES. WILLIAM J. GRADY, Decatur, Ill., assignor to Faries Manufacturing Company, Decatur, Ill., a Corporation of Illinois. Filed Jan. 23, 1922. Serial No. 315. Term of patent 7 years.



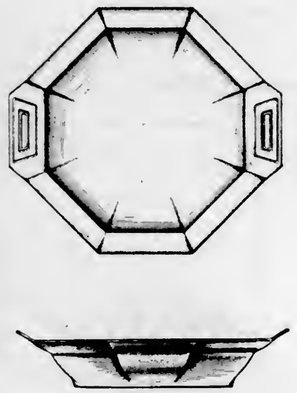
The ornamental design for an arm for lighting fixtures, as shown.

62,774. PLATE OR SIMILAR ARTICLE. WILLIAM D. HAVILAND, Limoges, France, assignor to Theodore Haviland & Co., New York, N. Y., a Firm. Filed Oct. 28, 1922. Serial No. 4,146. Term of patent 14 years.



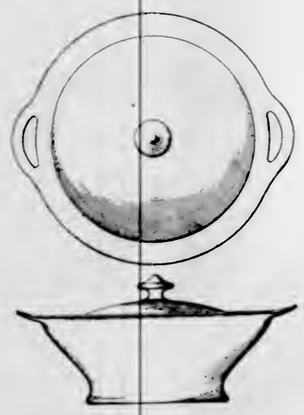
The ornamental design for a plate or similar article, as shown.

62,775. PLATE OR SIMILAR ARTICLE. WILLIAM D. HAVILAND, Limoges, France, assignor to Theodore Haviland & Co., New York, N. Y., a Firm. Filed Oct. 28, 1922. Serial No. 4,147. Term of patent 14 years.



The ornamental design for a plate or similar article, as shown.

62,776. DISH, BOWL, OR SIMILAR ARTICLE. WILLIAM D. HAVILAND, Limoges, France, assignor to Theodore Haviland & Co., New York, N. Y., a Firm. Filed Oct. 28, 1922. Serial No. 4,148. Term of patent 14 years.



The ornamental design for a dish, bowl, or similar article, as shown

62,777. SLIPPER. MORRIS HIRSHFIELD, Brooklyn, N. Y. Filed Nov. 18, 1922. Serial No. 4,327. Term of patent 3½ years.



The ornamental design for a slipper, substantially a shown.

62,778. SLIPPER. MORRIS HIRSHFIELD, Brooklyn, N. Y. Filed Nov. 18, 1922. Serial No. 4,328. Term of patent 3½ years.



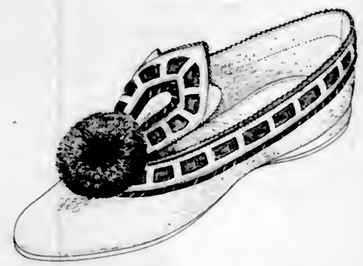
The ornamental design for a slipper, substantially as shown.

62,779. SLIPPER. MORRIS HIRSHFIELD, Brooklyn, N. Y. Filed Jan. 29, 1923. Serial No. 5,022. Term of patent 3½ years.



The ornamental design for a slipper, substantially as shown and described.

62,780. SLIPPER. MORRIS HIRSHFIELD, Brooklyn, N. Y. Filed Jan. 29, 1923. Serial No. 5,023. Term of patent 3½ years.



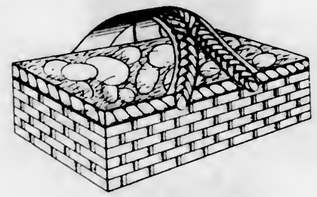
The ornamental design for a slipper, substantially as shown and described.

62,781. ARM FOR LIGHTING FIXTURES. HENRY M. KOFSKY, Philadelphia, Pa. Filed Oct. 27, 1922. Serial No. 4,114. Term of patent 3½ years.



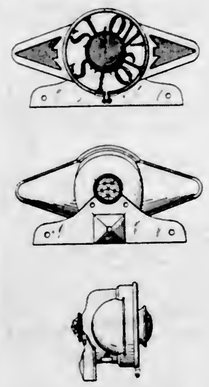
The ornamental design for an arm for lighting fixtures substantially as shown.

62,782. PAPER CARTON. LOUIS KUHN, Milwaukee, Wis., assignor to American Candy Co., Milwaukee, Wis., a Corporation of Illinois. Filed Feb. 20, 1922. Serial No. 794. Term of patent 3½ years.



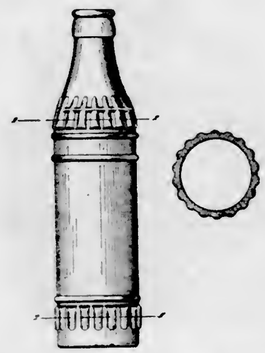
The ornamental design for a paper carton, as shown.

62,783. AUTO REAR SIGNAL LAMP. LEON LAPIDUS, Brooklyn, N. Y. Filed Aug. 31, 1922. Serial No. 3,608. Term of patent 7 years.



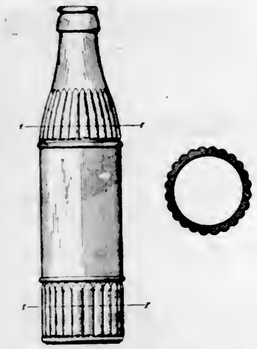
The ornamental design for an auto rear signal lamp, as shown.

62,784. BOTTLE. WILLIAM BAIRD MARBLE, Los Angeles, Calif., assignor to Southern Glass Company, a Corporation of California. Filed May 22, 1922. Serial No. 2,368. Term of patent 14 years.



The ornamental design for a bottle, as shown.

62,785. BOTTLE. WILLIAM BAIRD MARBLE, Los Angeles, Calif., assignor to Southern Glass Company, a Corporation of California. Filed May 22, 1922. Serial No. 2,369. Term of patent 14 years.



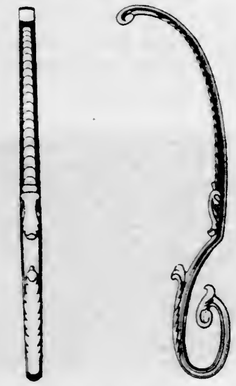
The ornamental design for a bottle, as shown.

62,786. RING-DISPLAY HOLDER. ARTHUR MENG, Cleveland, Ohio. Filed Aug. 3, 1922. Serial No 3,274. Term of patent 7 years.



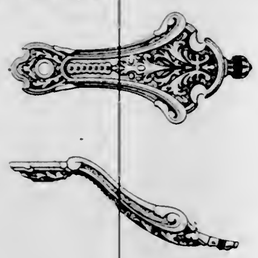
The ornamental design for a ring display holder, as shown.

62,787. LIGHTING-FIXTURE SUSPENSION STRAP. ABRAHAM MILLER, New York, N. Y. Filed Oct. 7, 1922. Serial No. 3,905. Term of patent 3½ years.



The ornamental design for a lighting fixture suspension strap, as shown.

62,788. LIGHTING-FIXTURE ARM. ABRAHAM MILLER, New York, N. Y. Filed Oct. 7, 1922. Serial No. 3,906. Term of patent 3½ years.



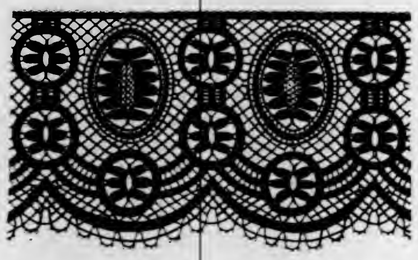
The ornamental design for a lighting fixture arm, as shown.

62,789. LIGHTING FIXTURE. PAUL MOHRMANN, Chicago, Ill., assignor to Friedley Voshardt Co., Chicago, Ill., a Corporation of Illinois. Filed Sept. 29, 1922. Serial No. 3,840. Term of patent 7 years.



The ornamental design for a lighting fixture, as shown.

62,790. LACE. THOMAS MONK, Bridgeport, Conn., assignor to The American Fabrics Company, a Corporation of Connecticut. Filed Feb. 26, 1923. Serial No. 5,271. Term of patent 14 years.



The ornamental design for lace substantially as shown.

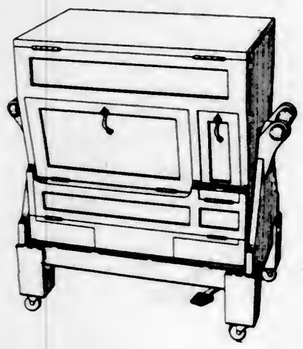
62,791. ELASTIC WOVEN FABRIC. GEORGE C. MOORE and THOMAS F. MOORE, Westerly, R. I. Filed Aug. 18, 1922. Serial No. 3,453. Term of patent 14 years.





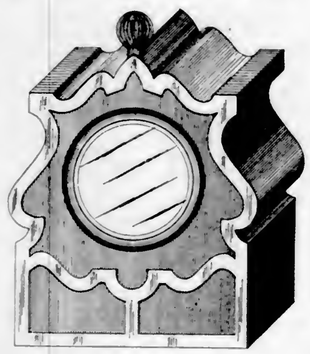
The ornamental design for elastic woven fabric, as shown.

62,792. INVERTIBLE DESK CABINET. WILLIAM G. MOORE, Omaha, Nebr. Filed July 25, 1921. Serial No. 487,213. Term of patent 3½ years.



The ornamental design for an invertible desk cabinet, as shown.

62,793. WATCH-MOVEMENT CASE. SISSAG K. OUZOUN-BOGHOSSIAN, Heliopolis, Egypt. Filed Jan. 13, 1923. Serial No. 4,895. Term of patent 3½ years.



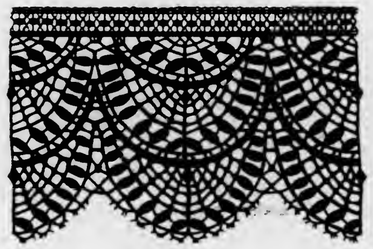
The ornamental design for a watch-movement-case, as shown.

62,794. LACE. SAMUEL H. PAGE, Stratford, Conn., assignor to The American Fabrics Company, a Corporation of Connecticut. Filed Feb. 26, 1923. Serial No. 5,278. Term of patent 14 years.



The ornamental design for lace substantially as shown.

62,795. LACE. SAMUEL H. PAGE, Stratford, Conn., assignor to The American Fabrics Company, a Corporation of Connecticut. Filed Feb. 26, 1923. Serial No. 5,279. Term of patent 14 years.



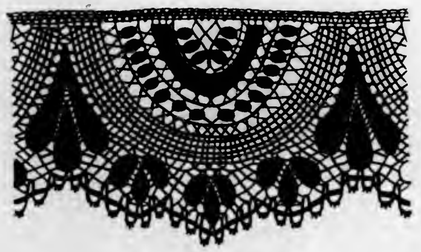
The ornamental design for lace substantially as shown.

62,796. LACE. SAMUEL H. PAGE, Stratford, Conn., assignor to The American Fabrics Company, a Corporation of Connecticut. Filed Feb. 26, 1923. Serial No. 5,280. Term of patent 14 years.



The ornamental design for lace substantially as shown.

62,797. LACE. SAMUEL H. PAGE, Stratford, Conn., assignor to The American Fabrics Company, a Corporation of Connecticut. Filed Feb. 26, 1923. Serial No. 5,281. Term of patent 14 years.



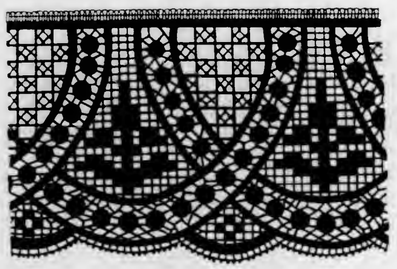
The ornamental design for lace substantially as shown.

62,798. LACE. SAMUEL H. PAGE, Stratford, Conn., assignor to The American Fabrics Company, a Corporation of Connecticut. Filed Feb. 26, 1923. Serial No. 5,282. Term of patent 14 years.



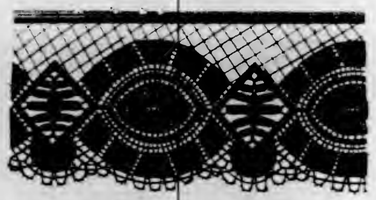
The ornamental design for lace substantially as shown.

62,799. LACE. SAMUEL H. PAGE, Stratford, Conn., assignor to The American Fabrics Company, a Corporation of Connecticut. Filed Feb. 26, 1923. Serial No. 5,283. Term of patent 14 years.



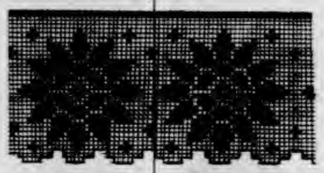
The ornamental design for lace substantially as shown.

62,800. LACE. SAMUEL H. PAGE, Stratford, Conn., assignor to The American Fabrics Company, a Corporation of Connecticut. Filed Feb. 26, 1923. Serial No. 5,284. Term of patent 14 years.



The ornamental design for lace substantially as shown.

62,801. LACE. SAMUEL H. PAGE, Stratford, Conn., assignor to The American Fabrics Company, a Corporation of Connecticut. Filed Feb. 26, 1923. Serial No. 5,285. Term of patent 14 years.



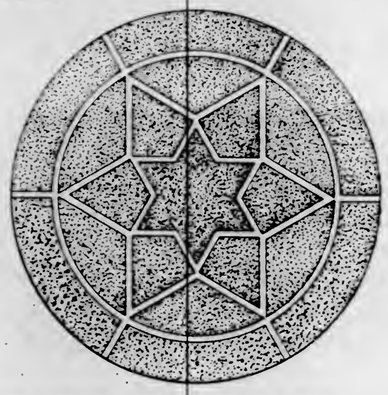
The ornamental design for lace substantially as shown.

62,802. LACE. SAMUEL H. PAGE, Stratford, Conn., assignor to The American Fabrics Company, a Corporation of Connecticut. Filed Feb. 26, 1923. Serial No. 5,286. Term of patent 14 years.



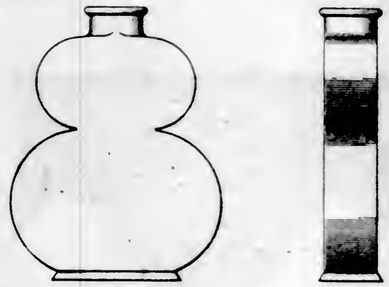
The ornamental design for lace substantially as shown.

62,803. LENS. FERDINAND PIASZEK, Saginaw, Mich. Filed Feb. 28, 1922. Serial No. 934. Term of patent 14 years.



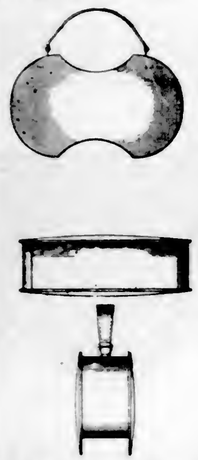
The ornamental design for a lens as shown.

62,804. BOTTLE. HARRY K. QUAN, New York, N. Y. Filed Feb. 9, 1922. Serial No. 612. Term of patent 3½ years.



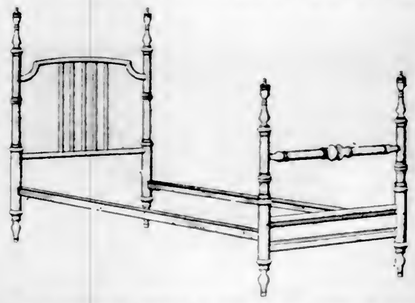
The ornamental design for a bottle substantially as shown.

62,805. VANITY CASE. ABRAHAM SCHOCKET, New York, N. Y. Filed Feb. 20, 1922. Serial No. 785. Term of patent 3½ years.



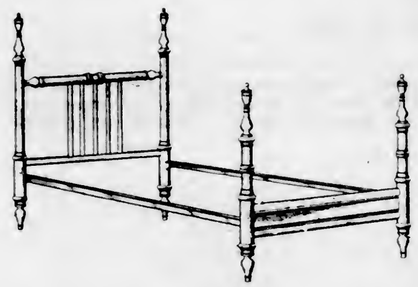
The ornamental design for a vanity case.

62,806. BEDSTEAD FRAME. CHARLES A. STUART, Kenosha, Wis., assignor to Simmons Company, Kenosha, Wis., a Corporation of Delaware. Filed Aug. 24, 1922. Serial No. 3,551. Term of patent 3½ years.



The ornamental design for a bedstead frame as shown.

62,807. BEDSTEAD FRAME. CHARLES A. STUART, Kenosha, Wis., assignor to Simmons Company, Kenosha, Wis., a Corporation of Delaware. Filed Aug. 24, 1922. Serial No. 3,550. Term of patent 3½ years.



The ornamental design for a bedstead frame as shown.

62,808. FLOWER DOLL. CALLIE WOOD, Reno, Nev. Filed Mar. 25, 1922. Serial No. 1,390. Term of patent 3½ years.



The ornamental design for a flower doll as shown.

62,809. DOLL. DOMENIC ZAPPIA, Cleveland, Ohio, assignor to Paramount Rubber Consolidated, Inc., Little Falls, N. J., a Corporation of Delaware. Filed Mar. 12, 1923. Serial No. 5,441. Term of patent 14 years.



The ornamental design for a doll, substantially as shown in the drawing hereof.

62,810. PEDESTAL. LORENZO ZUNINO, Berkeley, Calif. Filed June 5, 1922. Serial No. 2,526. Term of patent 3½ years.

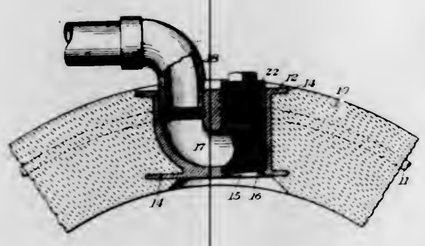


The ornamental design for a pedestal, substantially as shown.

PATENTS

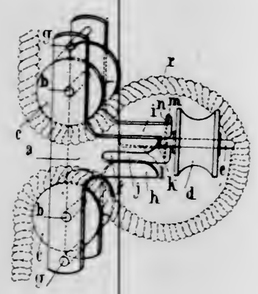
GRANTED JULY 31, 1923.

1,463,148. SERVICE CONNECTION FOR CONCRETE MAINS. CHARLES F. BUENTE, Avalon, Pa. Filed July 21, 1919. Serial No. 312,181. 13 Claims. (Cl. 137—75.)



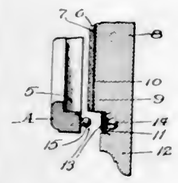
1. A service connection comprising a body member having a plurality of openings formed in the outer face thereof, and a single opening formed in the inner face thereof and aligning with one of said openings in the outer face, said openings intersecting within the body member, and a single means for closing one or all of said openings, one of said openings being threaded throughout a sufficient portion of its length to permit said means to be moved to a position entirely within said body member, substantially as described.

1,463,149. FIRE ESCAPE. ANTOINE JOSEPH MARIUS BARTHÉLEMY DIT PAUL CANS, Paris, France. Filed Jan. 19, 1922. Serial No. 530,271. 4 Claims. (Cl. 227—28.)



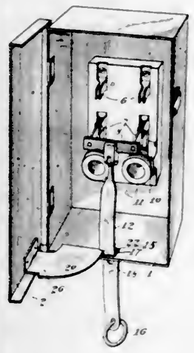
1. The combination with a flexible element, of a main body, a pair of rollers rotatably mounted in said body upon spaced parallel axes, fixed in a substantially vertical common plane, a mobile roller rotatably mounted upon an axle movable transversely of said vertical plane and means to pivotally mount said axle to permit it to be swung out of parallelism with the axes of said pair of rollers into a position subsantially at right angles to said axes.

1,463,150. FRAME FOR FRAMING PRINTS AND THE LIKE. JOHN H. CARLSEN, Chicago, Ill. Filed July 29, 1922. Serial No. 578,343. 3 Claims. (Cl. 40—152.)



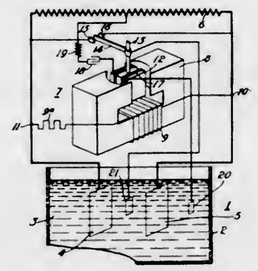
1. A frame for framing prints and the like, comprising a rabbeted picture frame having an exposure opening therein for the picture, a back piece having a raised print engaging portion entering said rabbet and a depressed marginal portion around said raised portion into which the picture frame fits, and means for removably securing said picture frame and back piece together.

1,463,151. INCLOSED SWITCH. JOHN E. CARR, Aurora, Ill., assignor to All-Steel-Equip Company, Aurora, Ill., a Corporation of Illinois. Filed July 1, 1920. Serial No. 393,303. 10 Claims. (Cl. 200—50.)



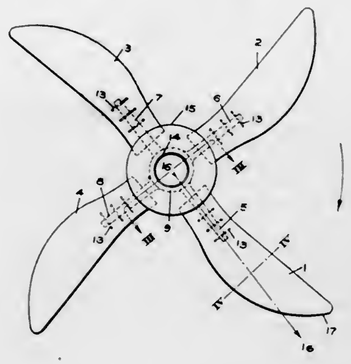
1. An externally operated inclosed switch having a box, a cover hinged to it, a switch within the box, an operating rod connected to the switch and passing out through a hole in one of the walls of the box, said rod being movable approximately longitudinally for operating the switch and being arranged approximately parallel to the hinged axis of the box cover, the switch being open when the rod is pulled out, and a locking arm fastened to the cover and adapted to engage and lock the rod when the latter has been pulled outward and the door has been swung open.

1,463,152. ELECTROLYTIC CONDENSER. LEWIS W. CHUBB, Pittsburgh, Pa., assignor to Westinghouse Electric & Manufacturing Company, a Corporation of Pennsylvania. Filed Dec. 30, 1919. Serial No. 348,444. 8 Claims. (Cl. 175—315.)



1. The combination with an electrolytic condenser comprising a plurality of electrodes immersed in an electrolyte, of means for maintaining the capacitances of the condenser electrodes substantially equal, said means including a switch which is actuated when the voltage is unequally divided between the electrodes.

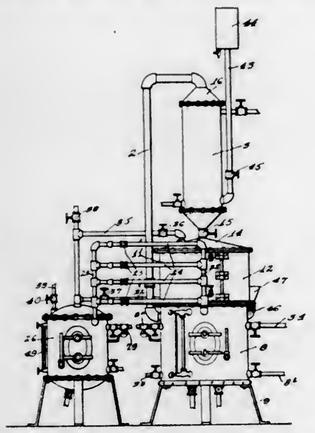
1,463,153. FAN STRUCTURE. NOBLE S. CLAY, Wilkinsburg, Pa., assignor to Westinghouse Electric & Manufacturing Company, a Corporation of Pennsylvania. Filed Oct. 9, 1920. Serial No. 415,767. 3 Claims. (Cl. 170—159.)



1. A fan blade comprising a body of flexible non-metallic material, a metallic bar secured to the inner end thereof, and a ring member on said bar.

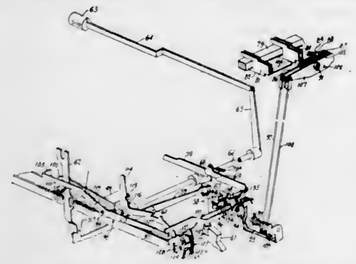
1,463,154. EXTRACTION APPARATUS. EARL H. CUMMINS, Chicago, Ill., assignor to Dadant & Sons, Hamilton, Ill., a Partnership. Filed Nov. 15, 1920. Serial No. 424,194. 3 Claims. (Cl. 87—6.)

1. An extraction apparatus including a solvent receiving chamber adapted to be alternately heated and cooled, a condenser, means connecting the condenser with the solvent receiving chamber, a material receiving chamber connected to the condenser containing a perforated crate and provided with heating coils and air-tight doors, a drum for receiving the solvent and



its dissolved material, and automatic siphon means and excess vapor escape means connecting the receiving drum with the material receiving chamber.

1,463,155. COMBINED TYPEWRITING AND COMPUTING MACHINE. FRANK K. DAVIS and CHARLES C. TAYLOR, Washington, D. C., assignors to Underwood Computing Machine Company, New York, N. Y., a Corporation of New York. Filed Nov. 21, 1921. Serial No. 516,625. 22 Claims. (Cl. 235—60.)



1. In a combined typewriting and computing machine, in combination, typewriting mechanism including numeral-keys and a traveling carriage, computing mechanism, normally set for addition, including a register, numeral-key-actuated means for indexing digits as typed, a general operator for actuating the register in accordance with the digits indexed, and subtraction-setting means, motor means for actuating said general operator, addition and subtraction stops mounted on said carriage, a motor-trip-device engaged and actuated by said stops, during movement of the carriage in a letter-feeding direction, but past which the stops normally pass idly in the opposite direction, a subtraction-trip operable by said carriage only in letter-feeding direction, and means controlled by the subtraction-trip to render the motor-trip-device actuable by said stops when the carriage is backed across the machine.

12. In a power-operated computing machine, in combination, a carriage, an operating member mounted thereon, motor-trip mechanism including a lever having an abutment thereon and a tappet pivoted thereon and yieldingly pressed against said abutment, whereby said tappet, when engaged by said member in a letter-

feeding direction, will serve to actuate the lever, but, when engaged by the member in a reverse movement, will be swung about its pivot idly, and means to lock said tappet against the abutment to enable the lever to be actuated by said member when the latter is moving in the reverse direction.

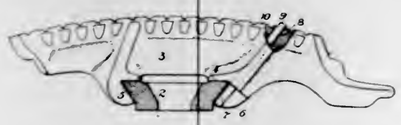
20. In a combined typewriting and computing machine, in combination, a carriage, a subtraction-trip device actuable thereby, and a latching device normally held out of action by said subtraction-trip device, but effective thereon, upon operation of the latter, to cooperate therewith and hold it in actuated condition.

1,463,156. ARCH BRICK. GUY CARLETON DENNEY, Hinsdale, Ill., assignor to American Arch Company, a Corporation of Delaware. Filed July 20, 1920. Serial No. 397,619. 4 Claims. (Cl. 110—87.)



1. An arch brick member having along one edge an arch brick support engaging surface and having on its opposite edge a cut back portion having an inclined end surface and a projecting portion having an oppositely inclined end surface, the planes of said surfaces not intersecting within the body of the member and said portions being complementary whereby when a pair of such members are assembled in reversed relation they cooperate to form a brick, said inclined end surfaces being serrated or roughened.

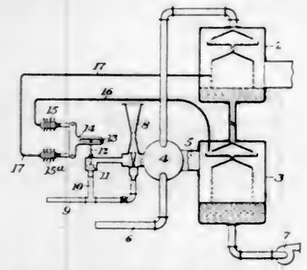
1,463,157. STOKER GRATE. GEORGE W. EDWARDS, Berlin, N. H. Filed May 5, 1921. Serial No. 466,883. 5 Claims. (Cl. 110—40.)



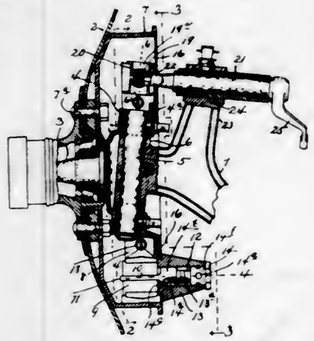
1. A key for a carrier bar of a stoker grate, comprising the body part whose upper portion constitutes the grate surface, said body part provided at its lower portion with a supporting surface terminating at one end in a lug adapted to engage a dove-tail support and also having an oblique hole extending downward from the upper surface of the body of the key said hole having its obliquity oppositely directed to the obliquity of the lug, combined with an oblique locking pin fitting the oblique hole and said pin arranged at an angle to the engaging surface of the lug and forming therewith a dove-tail recess for engaging a dove-tail portion of the carrier bar.

1,463,158. SYSTEM FOR REMOVING AIR AND GASES FROM WATER. RAYMOND N. EHRHART, Pittsburgh, Pa., assignor to Elliott Company, Pittsburgh, Pa., a Corporation of Pennsylvania. Filed June 5, 1920. Serial No. 386,834. 18 Claims. (Cl. 183—2.5.)

1. In the treatment of liquid for the removal of air and gases therefrom, the method which consists in evaporating a portion of the liquid to be treated, exhausting the vapors and gases from the evaporator through a condenser, and definitely varying the action of the exhausting means to thereby maintain the rate of evaporation substantially constant, substantially as described.



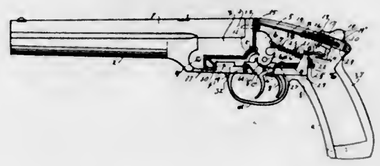
1,463,159. BRAKE. EDWIN R. EVANS, Detroit, Mich. Filed Dec. 16, 1922. Serial No. 607,341. 15 Claims. (Cl. 188—194.)



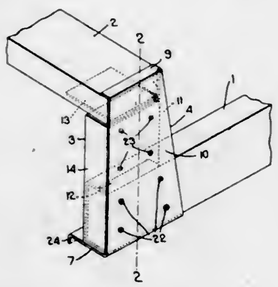
2. In a brake mechanism, the combination with a vehicle wheel, and a brake drum carried by said wheel, of a journal member for said wheel, a mounting for said journal member adapting the same for a steering movement about a swivel axis substantially transverse to that of the journal member, a pair of complementary brake shoes interiorly coacting with said drum, a pivotal mounting for corresponding extremities of said brake shoes, the other extremities of said shoes being formed with complementary substantially semi-cylindrical radial channels, a rock shaft substantially transverse to said swivel axis, a cam upon said shaft engaging in said channels of the brake shoes, said cam being centered in substantial alignment with said swivel axis and being elongated transversely of said shaft the ends of said cam established by said axis being spherically rounded, and means for rocking said cam upon an axis transverse to its major axis.

1,463,160. FIREARM. EUGENE A. FAIRBANKS, Holland, Mich. Filed June 19, 1922. Serial No. 569,438. 4 Claims. (Cl. 42—41.)

1. In combination with the barrel, the breech and the hammers and the hammer actuating mechansim of a breech loading fire arm, a trigger pivotally mounted in position to hold the hammer in "cocked" position, a locking bolt having having an upper short arm and a longer lower arm forming a slot between them, said bolt mounted upon the trigger plate in position to be made to slide longitudinally so the catch on the hammer will be made to enter the slot in the locking bolt and the end of the trigger body will be secured under the longer arm of the locking bolt head, a spring for forcing the locking bolt into contact with the catch on the head and over the end of the trigger body, a thumb slide mounted upon the breech of the gun and having a downwardly extending body thereon, an incline and a ledge formed upon the lower end of said body, a bell crank lever pivotally mounted so one arm of said lever will contact with the incline and ledge, and the other end will engage the end of the locking bolt in such a manner that when the thumb slide is slid forwardly the lever will draw the bolt out of contact with the hammer and the trigger, and when the thumb slide is slid backwardly the end of the lever will slide downwardly upon the incline and allow the locking bar to be forced into contact with the catch on the hammer and the end of the trigger body to lock the hammer in "cocked" position.



1,463,161. MATTRESS FRAME. FRANCIS G. GALE, Waterville, Quebec, Canada. Filed Nov. 12, 1921. Serial No. 514,575. 2 Claims. (Cl. 5—206.)



1. In a mattress frame, the combination with a side rail and an end rail, of a corner fastening connecting said rails and comprising one member rigidly secured to the side rail and having a portion to close the end of the end rail and another section rigidly secured to the end rail and having a portion to close the end of the side rail, said sections being secured together.

1,463,162. SIDELAMP. CHARLES E. GODLEY, Detroit, Mich., assignor to Edmunds & Jones Corporation, Detroit, Mich., a Corporation of New York. Filed Sept. 18, 1922. Serial No. 588,794. 2 Claims. (Cl. 240—7.)



1. In a lamp, the combination of a cylindrical glass body having a closed forward end, a light bulb within the cylindrical body, a substantially cylindrical case enclosing the cylindrical body and having an end to close the open end of the body, said case having openings in its cylindrical portion to permit the passage of light rays, a detachable ring at the open end of the case to hold the glass body therein, and means mounted within the case at its closed end to support the light bulb, comprising a flanged disk fitting the open end of the glass body, a connector sleeve mounted in the disk to support the bulb, and a spring between the disk and the end of the case to press the disk against the end of the body.

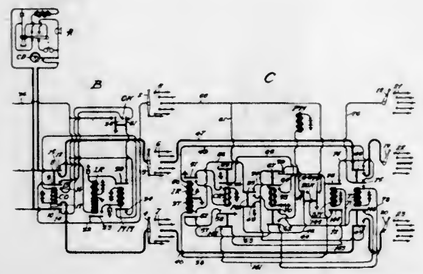
1,463,163. ANIMAL TRAP. MILFRED L. GREENSTREET and WALLACE DAY, Maplewood, Mo., assignors of one-third to May B. Cornwall, St. Louis, Mo. Filed Sept. 9, 1922. Serial No. 587,133. 5 Claims. (Cl. 43—86.)



1. In an animal trap, a pair of rings adapted to be superimposed, means for thrusting said rings apart transversely of their axes, a radial shoulder formed on one of said rings facing in the direction of movement of said ring, a trigger pivoted to the corresponding portion of the other ring having an edge facing in the direction of movement of the ring and adapted to engage said shoulder when said rings are superimposed, and an element on said trigger, extending over the center of the ring, to be engaged by an animal passing through the ring in one direction only to disengage said trigger from said shoulder.

3. In combination, a trap including a spring coil and an attaching member insertable within said coil and having a recess adapted to receive a portion of said coil to retain the trap in a desired position relative to a mounting surface.

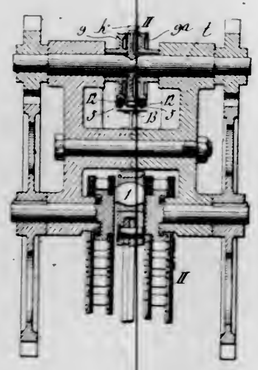
1,463,164. TELEPHONE SYSTEM. HARRY H. IDE, La Grange, Ill., assignor to Kellogg Switchboard and Supply Company, Chicago, Ill., a Corporation of Illinois. Filed July 28, 1919. Serial No. 313,799. 35 Claims. (Cl. 179—18.)



1. An automatic numerical selector switch of the character described controlled over the two sides of the line in series, provided with only four operating relays, a pair of motor magnets, one of said relays and one of said magnets being adapted to be included in a vibratory circuit arrangement, test means including said relay included in said vibratory circuit for controlling the oper-

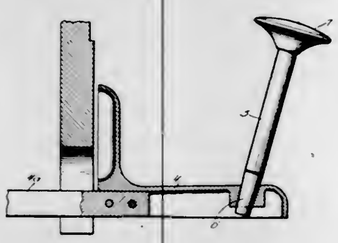
ating circuit of the other of said magnets, and restoring means including said last magnet whereby said last magnet operates to release said numerical switch to normal.

1,463,165. FLEXIBLE SUPPORTING MEANS SUITABLE FOR USE IN SUSPENSION TRANSPORTER ARRANGEMENTS AND FOR OTHER PURPOSES. ALEXANDER GEORGE MACKENZIE JACK, Sheffield, England. Original application filed Dec. 8, 1919, Serial No. 343,439. Patent No. 1,417,070, dated May 23, 1922. Divided and this application filed May 1, 1922. Serial No. 557,790. 14 Claims. (Cl. 104—112.)



1. A flexible trackway comprising a plurality of short metal sections flexibly connected endways and provided with teeth to form a rack, the sections being interlocked in a longitudinal direction so that they cannot move apart endways.

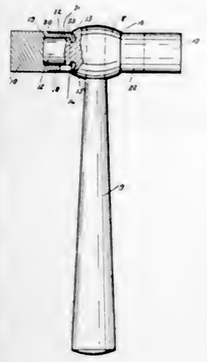
1,463,166. PEDAL DEVICE FOR PIANOS AND FOR OTHER PURPOSES. BENJAMIN H. JEFFERSON and WALTER I. KIRK, Chicago, Ill., assignors, by mesne assignments, to Lyon & Healy, Inc., Chicago, Ill., a Corporation of Illinois. Filed May 15, 1919. Serial No. 297,378. 1 Claim. (Cl. 74—81.)



A pedal provided with a pressing surface for the foot and having an aperture in said surface and a pin having its lower end fitted detachably into said aperture and its upper end constructed to provide another pressing surface for the foot.

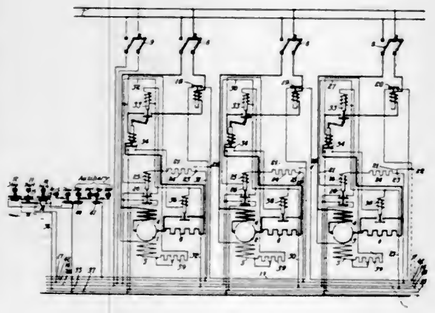
1,463,167. HAMMER. HENRY E. KEYES, Philadelphia, Pa. Filed Oct. 7, 1922. Serial No. 592,981. 5 Claims. (Cl. 145—29.)

1. A hammer head provided with a shoulder and a projection undercut at the shoulder, and a detachable striking face provided with a socket which fits over the projection and which has a series of longitudinally projecting



lugs of relatively soft and ductile material which are locked upon the said projection by impact against the said shoulder.

1,463,168. SYSTEM OF CONTROL. REESE T. KINTZING, Wilkinsburg, Pa., assignor to Westinghouse Electric & Manufacturing Company, a Corporation of Pennsylvania. Filed Oct. 27, 1920. Serial No. 419,874. 12 Claims. (Cl. 172—179.)

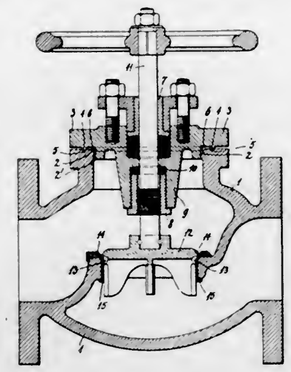


2. In a motor-control system, the combination with a plurality of motors mounted in tandem having control circuits common to all the motors, of a plurality of voltage relays connected in parallel relation in said control circuits, and a plurality of overload relays connected in series relation in said control circuits.

1,463,169. VALVE. KARL LÖWINGER, Moravska Ostrava, Czechoslovakia. Filed Feb. 23, 1921. Serial No. 447,104. 1 Claim. (Cl. 251—155.)

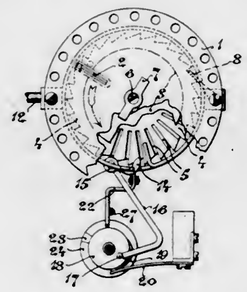
A valve comprising a casing and a cover therefor, said casing having in its upper face a beveled surface extending

inwardly and forming with said cover an annular space, and a packing ring in said space adapted to be pressed



against said beveled surface by the pressure exerted by said cover, so as to form a tight-joint between said cover and said casing.

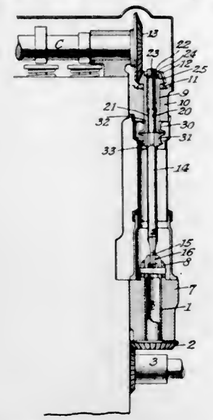
1,463,170. AUTOMATIC ELECTRIC METER. MATHIAS ODIN SEVERIN MADSEN, Aarhus, Denmark, assignor to Otto Kristian Heesch, Aarhus, Denmark. Filed Nov. 4, 1922. Serial No. 599,133. 3 Claims. (Cl. 194—11.)



1. Stop mechanism for an electric meter having coin controlled mechanism of the type described, comprising a rotary cylinder, a spring for rotating the cylinder in one direction, a contact piece on the cylinder, a contact member capable of engaging said contact piece when the cylinder is in one position and the circuit is closed, and coin controlled means for moving the cylinder to bring the contact members into engagement with each other comprising a shaft, an arm secured to the shaft and capable of extending into the path of the coin in the coin controlled mechanism, a second arm fixed on the same shaft, and a projection on the end of the cylinder and extending into the path of the said second arm, so that the said spring acting upon the cylinder holds the first mentioned arm in the path of the coin when the contacts are out of engagement, and the movement of the coin operates the said arms and projection to bring the contacts into engagement with each other.

1,463,171. VALVE-OPERATING MECHANISM. GEORGE J. MEAD, Glen Rock, N. J. Filed May 9, 1921. Serial No. 468,057. 7 Claims. (Cl. 64—90.)

1. A releasable driving connection, comprising drive and driven shafts, one of said shafts having an extension, cooperating radially toothed clutch members on said extension and the other shaft respectively, means for sliding



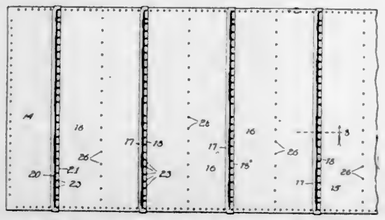
said extension so as to bring said clutch members into and out of engagement, and releasable means for retaining said clutch members in engaging position.

1,463,172. BELT ATTACHMENT. SAMUEL NEWMAN, Cincinnati, Ohio. Filed July 24, 1922. Serial No. 577,067. 2 Claims. (Cl. 24—74.)



1. A belt attachment comprising a tubular casing to be fastened to one belt end part, a slide to be fastened to another belt end part, guided by the top and bottom of said casing and having rear lengthwise flanges and a rear projection near its end remote from its fastening to the belt end part, said casing having, near its end adjacent to the slide fastening, a tongue projecting forwardly from its back and projecting toward said slide projection, and having an opening in said back adjacent to said tongue, and a sinuated spring with its loops loosely confined to said slide by said flanges and having one end engaging with the slide projection and its opposite end engaging behind and against said tongue whereby said slide is held back against the back of said casing, and adapted to be disengaged from said tongue by an instrument inserted through said opening in said back, to permit disassemblage of the attachment.

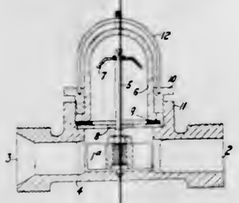
1,463,173. BOX CAR. OSTRANDER J. PARKS, River Forest, Ill., assignor to General American Tank Car Corporation, Chicago, Ill., a Corporation of West Virginia. Filed Apr. 4, 1921. Serial No. 458,181. 1 Claim. (Cl. 108—54.)



A roof structure comprising, in combination, a relatively rigid metal plate having a corrugation of substantially cylindrical outline adjacent one edge thereof, and a hori-

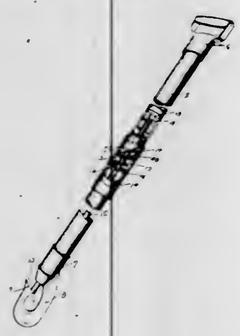
zontal portion between said corrugation and the edge of the plate, a second plate under lapping said horizontal portion and having a corrugation upon its edge formed upon a section of substantially 90° of a cylindrical surface nesting with said first named corrugation, a carline supporting said overlapped portions only and free from contact with either of said plates at other portions, fastening means passing through said overlapped portions and said carline whereby relative movement of said plates is possible whether produced by temperature changes or weaving of the car without detrimental effect upon said joint.

1,463,174. OIL-FLOW INDICATOR FOR GEAR-CASE SPRAYERS. GEORGE PATTERSON and CHARLTON THEW, Newcastle-upon-Tyne, England, assignors to R. & W. Hawthorn, Leslie & Company, Limited, Newcastle-upon-Tyne, England. Filed Feb. 23, 1921. Serial No. 447,357. 1 Claim. (Cl. 116—117.)



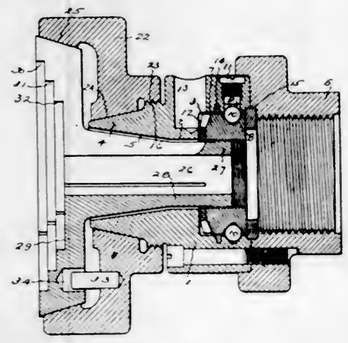
In combination with a liquid conduit a motor casing interposed in the conduit, a closed air-dome of transparent material communicating with and jointed to said casing above the liquid flow, a motor in the casing adapted to be continnously rotated by the liquid flow, an open partition between the air-dome and the casing, a spindle for the motor having a bearing in said partition, a bearing member within the casing for the lower end of the spindle, and an indicator in the air-dome remote from the liquid flow and carried by the spindle.

1,463,175. LEADING STAFF. ROBERT F. RASMUSSEN, Oshkosh, Wis., assignor to C. A. Libbey Co., Oshkosh, Wis., a Corporation of Wisconsin. Filed Nov. 18, 1920. Serial No. 424,918. 3 Claims. (Cl. 119—152.)



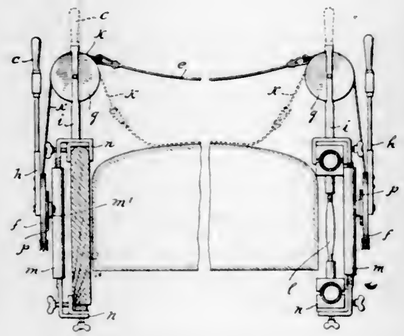
1. A device of the class described, comprising a tubular staff provided with a bayonet slot, a hook on one end of the staff, a rod concealed within the staff and having its outer end normally closing the throat of the hook, a sleeve slidably and rotatably mounted on the staff adjacent its balancing point to provide a grip member, and a connection between said rod and sleeve moving in said bayonet slot whereby a longitudinal movement thereof away from the hook will open the throat thereof and a longitudinal movement of the sleeve toward the hook will close the throat thereof, while an arcuate movement of said sleeve will hold said throat open.

1,463,176. CHUCK. GEORGE K. SCHIELDGE, Hartford, Conn., assignor to The Hartford Special Machinery Company, Hartford, Conn., a Corporation of Connecticut. Filed June 21, 1922. Serial No. 569,895. 1 Claim. (Cl. 279—58.)



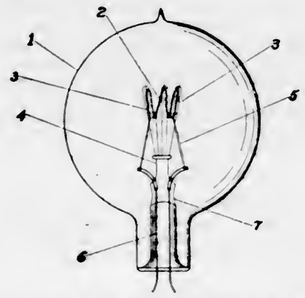
Chucking means comprising a body having an opening with a conical jaw closing wall, a body extension detachably mounted on the body, said extension having an opening with a conical jaw closing wall, said chucking means being adapted to receive selectively either a collet having spring jaws adapted to fit the conical jaw closing wall in the body, or a collet having spring jaws adapted to fit the conical jaw closing wall in the body extension, a nut rotatable within the body, and means for rotating the nut, said collets having threaded shanks adapted to fit the thread in said nut, whereby the chucking means may be used for holding relatively small pieces or may be used for holding relatively large pieces.

1,463,177. OBSTETRIC APPARATUS. KATHARINA SCHOLZ, Freiheit, Bohemia, Czechoslovakia. Filed July 31, 1922. Serial No. 578,800. 3 Claims. (Cl. 128—31.)



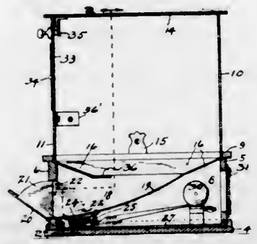
1. An obstetric apparatus for facilitating parturiency comprising a pair of supports, sheaves rotatably mounted on said supports, a vertically movable saddle upon which the pelvis of the patient is adapted to be supported, a lever rotatably mounted on each support, a handle adapted to be interchangeably secured to said support or said lever and flexible means connecting said lever and saddle and passing over said sheaves, whereby when the muscular strength of said patient is exerted upon said lever said saddle will be raised.

1,463,178. ELECTRIC INCANDESCENT LAMP. BENJAMIN E. SHACKELFORD, East Orange, N. J., assignor to Westinghouse Lamp Company, a Corporation of Pennsylvania. Filed Mar. 9, 1918. Serial No. 221,360. 8 Claims. (Cl. 176—16.)



1. An electric signal lamp comprising a substantially spherical envelope filled with hydrogen, at a substantial pressure, a concentrated tungsten filament therein mounted near the center of the envelope, capable of rapid incandescence and extinction when responding to a series of current impulses and thus adapted for producing in rapid succession, light flashes substantially synchronized with current impulses.

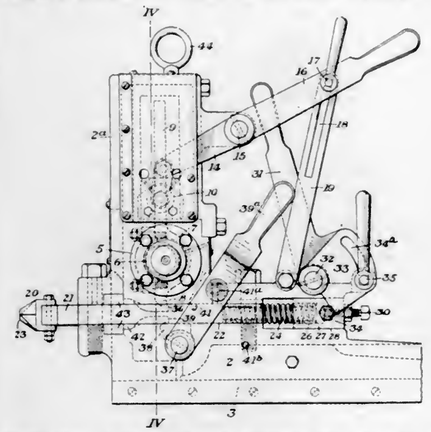
1,463,179. DISPLAY-CASE WARMER. ALBERT G. STEPHENS, Indianapolis, Ind. Filed July 5, 1921. Serial No. 482,312. 3 Claims. (Cl. 34—21.)



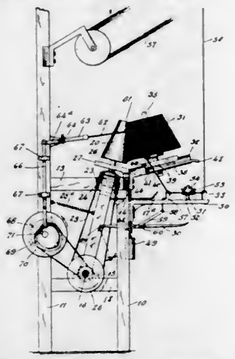
1. In a display vending and warming-case, a glass receptacle, a hopper having a discharge opening through which the receptacle discharges through said hopper, a plate extending inwardly of the hopper from the inner rear edge of the hopper, a curved side and bottom against which the hopper discharges and which in part define a trough, said trough having a discharge at one side of the hopper discharge, a hinged closure for the trough discharge, and a heating element under said trough discharge adjacent said closure to warm the vended product.

1,463,180. HAMMERING APPARATUS. WILLIAM Y. STROH and GEORGE W. KLAGES, Pittsburgh, Pa. Filed Jan. 24, 1920. Serial No. 353,665. 13 Claims. (Cl. 78—27.)

1. Hammering apparatus comprising a plurality of reciprocating plungers, a hammer element carried by each of said plungers, a spring for each plunger arranged to impart a striking blow thereto, and an eccentric shaft having a plurality of eccentrics at different angles, together with eccentric straps provided each with a toe adapted to engage and retract one of the plungers, substantially as described.



1,463,181. WINDING AND REELING DEVICE. WILLIAM VORDERWINKLER, Roselle, N. J. Filed May 11, 1922. Serial No. 560,025. 7 Claims. (Cl. 242—37.)



1. A device of the character described comprising a stationary frame, a bobbin mounted on said frame, a movable frame, driving means carried by said movable frame, a pivoted lever adapted to engage said movable frame and hold said driving means in engagement with said bobbin, means to guide a thread under tension to said bobbin, and counterbalancing means adapted to drop upon said lever when the tension of said thread is released whereby said lever will be disengaged from said movable frame.

1,463,182. SAFETY DEPOSIT BOX. JOSEPH VOSS, Manitowoc, Wis. Filed June 22, 1922. Serial No. 570,063. 3 Claims. (Cl. 109—12.)

1. In combination with a safety deposit box having a door and a lock secured to the inner side of the door, a sliding plate mounted on the inner face of the lock, a connection between the plate and a movable portion of the lock mechanism whereby the locking plate may be moved into projected and retracted positions upon the opening and closing of the lock, said plate having recesses in the lateral portions thereof, and stops secured to the inner faces of the box in position to aline with

the recesses of the plate when the latter is retracted and adapted to be out of line with the recesses when the

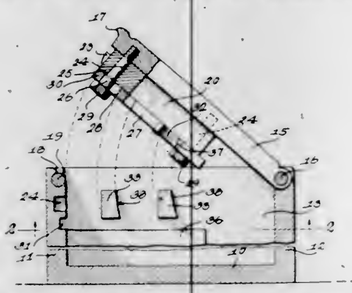
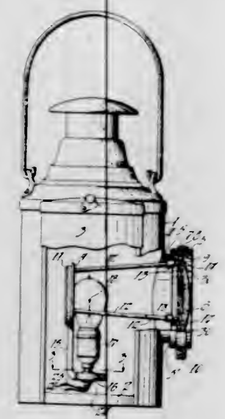


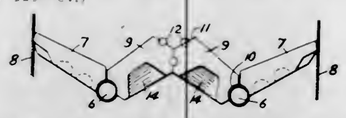
plate is projected, whereby said stops are adapted to engage the intermediate portions of the plate to prevent opening of the door.

1,463,183. LAMP. SELDEN G. WARNER, West Orange, N. J., assignor to New Jersey Patent Company, West Orange, N. J., a Corporation of New Jersey. Filed Feb. 24, 1920. Serial No. 360,697. 8 Claims. (Cl. 240—37.)



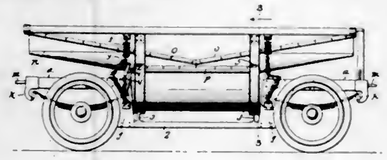
1. In combination, a semaphore lens, a lamp fixture comprising a tripod the legs of which are rigidly positioned at one end in one of the annular grooves of the lens, said fixture being thus supported directly and solely from said lens, and a lamp mounted on said fixture, substantially as described.

1,463,184. FIRE-BRICK ARCH. ALFRED H. WILLETT, West New York, N. J., assignor to American Arch Company, New York, N. Y., a Corporation of Delaware. Filed Dec. 4, 1918. Serial No. 265,191. 9 Claims. (Cl. 110—87.)



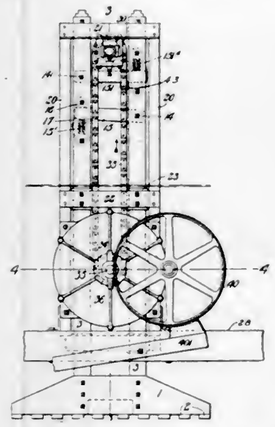
1. A tube supported fire brick arch construction comprising a series of pairs of invertible bricks supported between two tubes, said bricks in each pair being inclined toward and resting against each other and each brick having at the meeting end two oppositely inclined supporting surfaces constructed to permit the bricks to be rested against each other either face upward.

1,463,185. DUMP BODY. JAMES G. WINSOR, Detroit, Mich. Filed May 21, 1919. Serial No. 298,705. 11 Claims. (Cl. 298—10.)



1. The combination of a vehicle frame having a portion below the tops of the wheels, a hopper having a main portion which can dump clear of the wheels between the wheels, and one or more end extensions whose bottoms are considerably raised above the bottom of the main portion for the purpose of clearing the top of the wheel or wheels and underneath rockers supporting the hopper upon the frame and shaped to carry the hopper out to the side of the frame in dumping.

1,463,186. TRAMPER FOR COTTON PRESSES. BRONSON C. WOODFORD, Dallas, Tex., assignor to The Murray Company, Dallas, Tex., a Corporation of Texas. Filed Apr. 7, 1921. Serial No. 459,358. 4 Claims. (Cl. 100—25.)

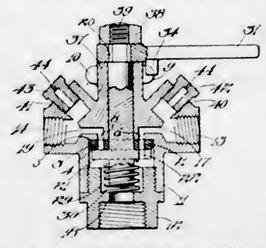


1. In a cotton press, a frame made up of opposite sides; sprocket wheels separately mounted at each end of each side opposite and in axial alignment with the other separately mounted sprocket wheel; endless sprocket chains connecting the sprockets on each side; a plunger head having a stem between the two sides; a pair of actuation bars secured cross-wise of the stem and extending between the chains; an actuating member connecting the chains and extending between the cross bars; means to rotate the sprockets; all combined to cause the plunger head to be reciprocated by the continuous revolution of the sprocket chains.

1,463,187. [WITHDRAWN.]

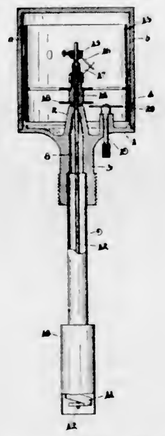
1,463,188. ENGINEER'S VALVE FOR PNEUMATIC SANDERS. JOHN R. ALLAN, Boston, Mass., assignor to Hanlon Locomotive Sander Company, Winchester, Mass., a Corporation of Massachusetts. Filed Feb. 6, 1922. Serial No. 534,284. 8 Claims. (Cl. 291—16.)

2. In a valve of the character described, a valve body having a valve seat in a plane at substantially right angles to the axis of the valve body, a gasket secured thereto, a rotary stem which extends through the gasket and valve seat, an air discharge passage which extends upwardly through the gasket and valve seat into the said body, and thence extends outward through the side wall of the valve body to form a discharge outlet, said valve



stem having a shoulder portion which engages said gasket, said shoulder portion of the stem having a hole therethrough which is adapted to be brought into and out of alignment with the passage through the gasket and valve seat by rotating the valve stem and which is always open at its lower end to a source of air supply.

1,463,189. TEMPERATURE-INDICATING DEVICE. CAREY W. BAKER, St. Catharines, Ontario, Canada, assignor to Packard Electric Company, Limited, St. Catharines, Canada. Filed May 17, 1922. Serial No. 561,773. 5 Claims. (Cl. 116—114.)

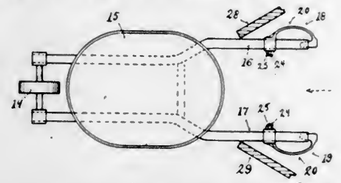


1. In a temperature indicating device, the combination of a rotatably mounted shaft; heat actuable means adapted to rotate said shaft; indicating means; a member rotatably mounted on said shaft and adapted to actuate said indicating means in one direction; and a second member connected with said shaft, said second mentioned member being adapted to engage and actuate the first mentioned member but being free to return to normal position without said first mentioned member.

1,463,190. METHOD OF MAKING BENZOIC ACID AND SALTS THEREOF. EDWIN O. BARSTOW, Midland, Mich., assignor to The Dow Chemical Company, Midland, Mich., a Corporation of Michigan. Filed Mar. 11, 1920. Serial No. 365,082. 5 Claims. (Cl. 260—108.)

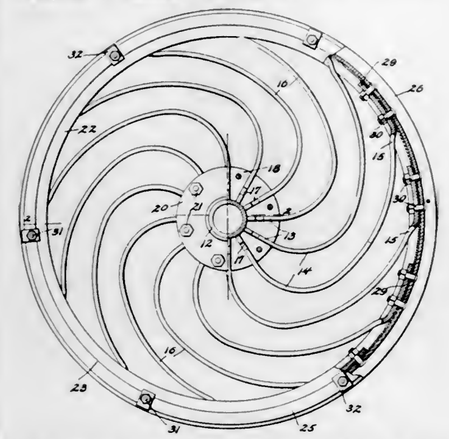
3. In a method of making benzoic acid and salts thereof, the step which consists in oxidizing benzyl chloride to the acid by means of bleaching powder in the presence of water and excess lime, such oxidizing step being conducted under pressure.

1,463,191. WHEELBARROW-HANDLE GUARD. GIDEON C. BATTEN, Cincinnati, Ohio. Filed May 27, 1921. Serial No. 473,180. 4 Claims. (Cl. 280—150.)



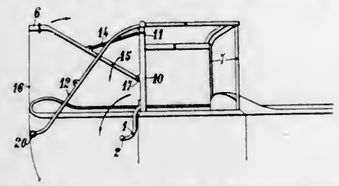
1. As a new article of manufacture a guard for wheelbarrow handles extending from the handle bar at one end in a loop to the handle-bar at the guard's opposite end and provided at one end with a clamping member to be clamped upon the exterior of the handle bar.

1,463,192. SPRING WHEEL. WILLIAM JAKOB BEISEL, Port Richmond, N. Y. Filed Dec. 7, 1921. Serial No. 520,578. 7 Claims. (Cl. 152—50.)



1. A spring wheel comprising in combination a hub, a continuous rim and a series of flat metal spring spokes constituting the sole means connecting and preserving the relations of said hub and rim having radial inner end portions secured in the hub, and laterally curved near the hub on the arc of a circle for approximately 90° and beyond that point similarly curved on the arc of a circle of materially greater diameter and having outer end portions fitting longitudinally and secured to the rim, the said curved portion of each spoke being on one side of the radial plane of its inner end and extending in the same direction peripherally of the wheel.

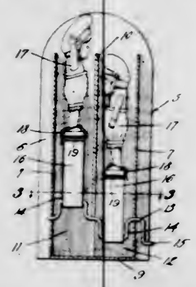
1,463,193. COLLAPSIBLE AUTOMOBILE TOP. JACQUES BOTELLA, Paris, France. Filed Mar. 8, 1922. Serial No. 542,092. 6 Claims. (Cl. 296—116.)



1. In a hood for motor vehicle, a front hoop supporting the hood and the ends of which are connected by pivoted links to two uprights about midway of the height of

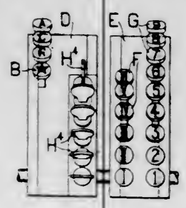
these uprights, said uprights being pivoted at their lower ends to the rear face of the back of the driver seat in order to be capable of being brought down parallel to the said rear face, rear door uprights the lower ends of which rest on the elbow rests and are connected with extensions movable about an axis at right angles to the side faces of the carriage body,—means for displacing the axis of rotation of the said extension in order to allow the rear door uprights to be brought down outside the carriage and below the plane of the elbow rests,—and means for connecting the skeleton work of the hood to the rear hoop supporting the latter, so as to permit the spacing of the said skeleton work at the same time as that of the rear door uprights.

1,463,194. FIGURE TOY. FRANK BOWEN, Monett, Mo. Filed Aug. 20, 1921. Serial No. 493,835. 1 Claim. (Cl. 46—40.)



A toy including a container, a partitioning member in the container dividing the same into compartments, crank arms supported at the base of the compartments, base members having connection with the crank arms and having grooves formed adjacent to their upper ends, figured members supported on the bases, and flexible securing means embracing portions of the figured members and lying in the grooves to prevent displacement thereof.

1,463,195. CASH REGISTER. ERNST BREITLING and EDUARD OSTMEYER, Essen, Germany, assignors to Fried. Krupp Aktiengesellschaft, Essen-on-the-Ruhr, Germany. Filed May 13, 1922. Serial No. 560,603. 3 Claims. (Cl. 235—6.)



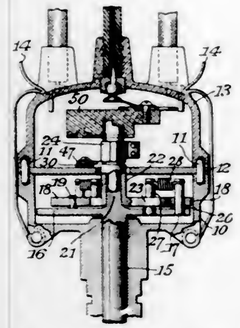
1. A cash register comprising a plurality of groups of setting members and an operating mechanism, a member in the operating mechanism mounted for oscillatory setting movement, a shiftable member adapted to be moved into and out of the path of the said oscillatory member and to form a stop for the latter, the shiftable stop member being adapted to be moved into a position preparing its operative position with relation to the oscillatory member by actuating a member of one of the groups of setting members and allowed to be moved into its final operative position by actuating a member of another of the groups of setting members, the stop member when in its operative position being adapted to limit the setting movement of the oscillatory member of the operating mechanism.

1,463,196. ROLLER AND BALL BEARING AXLE STRUCTURE. FRED J. COCHRAN, Mount Vernon, Ill. Filed Aug. 30, 1922. Serial No. 585,303. 4 Claims. (Cl. 295—44.)



4. In a roller and ball bearing axle structure, an axle proper, a sleeve mounted thereon, bearing rollers interposed between the sleeve and the axle, a cap mounted upon the axle and having a body portion adapted to limit the longitudinal movement of the bearing rollers, bearing balls interposed between the cap and the sleeve, a band mounted upon the axle and provided at its edge with several sets of slots which vary in length, the inner face of the band bearing against the end of the cap and a pin passing through the axle and having its end portion received in oppositely disposed slots of the band.

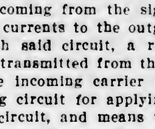
1,463,197. IGNITION APPARATUS. OLIVER F. CONKLIN, Detroit, Mich., assignor to Remy Electric Company, Anderson, Ind., a Corporation of Indiana. Filed Sept. 19, 1917. Serial No. 192,057. 12 Claims. (Cl. 200—22.)



2. A timer for ignition apparatus comprising a rotatable cam, a breaker lever fulcrumed at an end remote from the timer cam and having a block at the opposite end disposed obliquely to the plane of the breaker lever, said block adapted to rub on said rotatable cam and extending substantially tangential thereto, a stationary contact, and a cooperating movable contact disposed on the breaker lever between the fulcrum and the block, and a retractile coil spring attached to the breaker lever intermediate the contacts and the fulcrum thereof for maintaining the rubbing block in proximity to the cam and the contacts normally closed except when opened by the cam, for maintaining the lever upon its fulcrum in either the open or closed position of the contacts; and a flexible strap connected to a fixed part and to the lever, said strap operating in conjunction with the operation of the cam upon the block to maintain the lever upon its fulcrum.

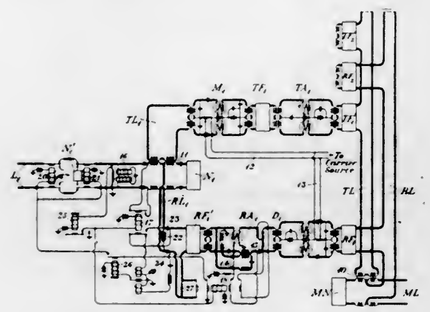
1,463,198. BOTTLE STOPPER. VICTORIA E. DANCE, Hamilton, Ohio. Filed Sept. 1, 1921. Serial No. 497,688. 3 Claims. (Cl. 215—51.)

1. A dish shaped imperforate bottle stopper having a tongue to project from one face thereof and to serve as a handle to remove the stopper, said tongue being wider at its base than at its free end and being normally seated in a recess in the face of the stopper with its outer face flush with one face of the stopper and adapted to be lifted out of said recess and grasped to



remove the stopper from the bottle, the slit separating said tongue from the stopper being outwardly turned at the base of the tongue to substantially right angles to the axis of the tongue to cause the root of the tongue to be its point of maximum strength.

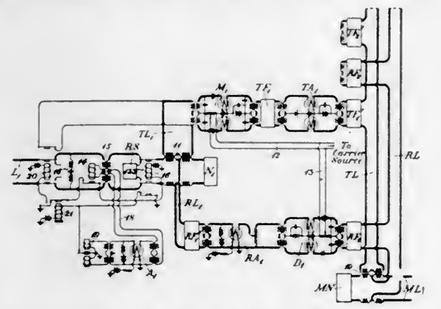
1,463,199. RINGING ARRANGEMENT FOR MULTIPLEX CIRCUITS. JOHN DAVIDSON, Jr., Montclair, N. J., assignor to American Telephone and Telegraph Company, a Corporation of New York. Filed Sept. 24, 1919. Serial No. 325,823. 8 Claims. (Cl. 179—4.)



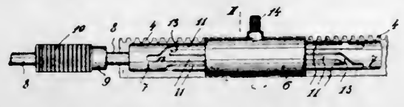
1. In a multiplex carrier system, a low frequency signaling circuit, a circuit for the transmission of alternating carrier currents, outgoing and incoming carrier channels for interconnecting said circuits, said channels including means for translating signaling currents into carrier currents, and vice versa, a relay responsive to ringing current incoming from the signaling circuit for applying signaling currents to the outgoing carrier channel associated with said circuit, a relay responsive to signaling currents transmitted from the carrier transmission circuit to the incoming carrier channel associated with said signaling circuit for applying ringing current to said signaling circuit, and means whereby when one of said relays is operated the other relay is prevented from operation.

1,463,200. RINGING ARRANGEMENT FOR MULTIPLEX CIRCUITS. JOHN DAVIDSON, Jr., Montclair, N. J., assignor to American Telephone and Telegraph Company, a Corporation of New York. Filed Sept. 24, 1919. Serial No. 325,824. 8 Claims. (Cl. 179—4.)

2. In a multiplex carrier system, a signaling circuit, a circuit for the transmission of alternating carrier currents, outgoing and incoming carrier channels interconnecting said circuits, said channels including means for translating signaling currents into carrier currents, and vice versa, means responsive to ringing current incoming from said signaling circuit for applying ringing current to said outgoing channel, an amplifier in said incoming channel for amplifying signaling current, a second amplifier associated with said channel for amplifying ringing currents, and means responsive to amplified ringing currents incoming from said carrier transmission circuit for applying ringing currents to said signaling circuit.

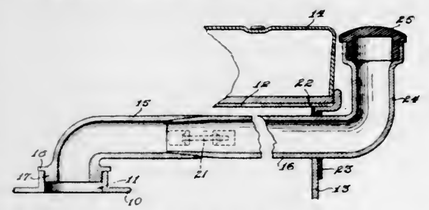


1,463,201. DRIVING MECHANISM FOR TRANSVERSE SUPPORTS OR SLIDES IN REVOLVER LATHES, SEMIAUTOMATIC LATHES, AND THE LIKE. FRITZ DEURING, Munchen-Gladbach, Germany. Filed Aug. 28, 1920. Serial No. 406,713. 3 Claims. (Cl. 74—14.)



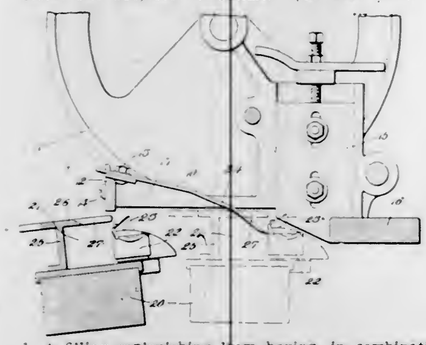
1. In a mechanical movement of the class described, a reciprocating rack, a sleeve fixed to said rack, a cylindrical cam member within said sleeve, a driving member coupled with said cam member and means for intermittently coupling said sleeve with said cam member to actuate said driving member, said sleeve normally sliding over said cam member.

1,463,202. EXTENSION FILLER PIPE. WILLIAM J. DOUGLAS, Numa, Iowa. Filed Aug. 24, 1921. Serial No. 494,990. 1 Claim. (Cl. 220—86.)



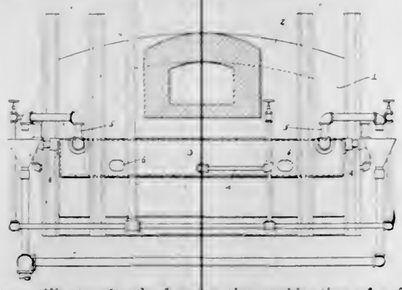
The combination with a vehicle seat having a counter, and a fuel tank located beneath the seat and provided with a customary filling opening accessible when the seat is removed for filling the tank, of an accessory extension filler pipe connected to the tank without structural change therein and including a sectional tube comprising a short section having a terminal head threaded into said filling opening and another longer section extending through the counter mating with said first mentioned section whereby the tank may be filled through said tube without displacing the seat, and means detachably connecting said sections, said first mentioned section terminating short of the counter whereby the longer section may be disconnected from the shorter section and the shorter section individually rotated for connecting such section with the tank.

1,463,203. FILLING-END CONTROLLER FOR LOOMS. CLARE H. DRAPER, Hopedale, Mass., assignor to Hopedale Manufacturing Company, Milford, Mass., a Corporation of Massachusetts. Filed Oct. 26, 1921. Serial No. 510,489. 7 Claims. (Cl. 139—258.)



1. A filling replenishing loom having, in combination, a lay, weft replenishing mechanism, a filling end controller consisting of a slender rod supported at its rear end and extending forwardly and downwardly to a point less than the distance to which the filling is moved by the lay acting to lift the filling on the next backward movement of the lay to a position above the field of movement of the shuttle box.

1,463,204. WATER JACKET. LOUIS C. DREFAHL, Lakewood, and WHITFIELD R. CARSON, South Euclid, Ohio, assignors to The Grasselli Chemical Company, Cleveland, Ohio, a Corporation of Ohio. Filed Dec. 6, 1919. Serial No. 343,095. 1 Claim. (Cl. 263—44.)



In a silicate of soda furnace the combination of a furnace chamber adapted to receive and melt a mixed charge of materials, said chamber having its walls about its upper and lower portions formed of refractory material, a narrow belt of water jackets disposed at an intermediate point in the inner walls of said furnace between said upper and lower sections of refractory material, said water jacketed section being disposed in contact with the material to be melted and at the normal flux line of the molten charge and extending a slight distance above and below the same.

1,463,205. BOBBIN. FRANK EDMANDS, Hopedale, Mass., assignor to Draper Corporation, Hopedale, Mass., a Corporation of Maine. Filed Apr. 18, 1922. Serial No. 554,363. 3 Claims. (Cl. 242—120.)

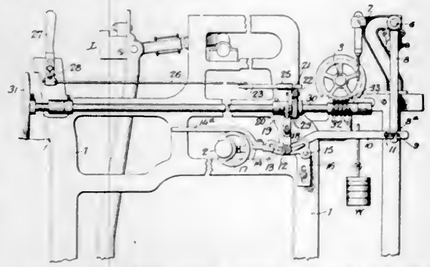


1. A bobbin having a metallic bushing within its bore, the bore of the bobbin having inner and outer inclined shoulders, and the bushing having a bevelled inner end and an outer inclined flange to fit said shoulders respectively, and the external periphery of the bushing having peripheral grooves and rows of angularly extending incisions, each incision having along one edge an outwardly projecting burr.

1,463,206. CATALYST AND PROCESS OF MAKING SAME. HARRY D. GIBBS, Penns Grove, N. J., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a Corporation of Delaware. Filed May 7, 1920. Serial No. 379,545. 5 Claims. (Cl. 23—28.)

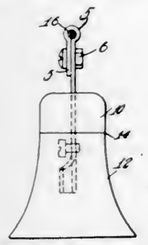
1. A process of producing a catalyst which comprises impregnating infusorial earth with molten vanadic oxide.

1,463,207. LET-OFF MECHANISM FOR LOOMS. ROBERT H. GILFILLAN, New Holland, Pa., assignor to Storb, Snader & Company, New Holland, Pa., a Corporation of Pennsylvania. Filed Aug. 18, 1921. Serial No. 493,291. 5 Claims. (Cl. 139—110.)



1. In a loom, a warp beam, a shaft extending lengthwise of the loom geared to the warp beam, a handwheel on said shaft at the front of the loom, a ratchet on the shaft between the handwheel and the warp beam for letting off, a lever pivoted on the shaft, pawls on the lever engaging the ratchet, a cam slidably mounted on said lever and adapted to render said pawls inoperative, and a hand lever at the front of the loom connected to said cam, substantially as set forth.

1,463,208. CONNECTION PROTECTOR. EDGAR C. GNAU, East Aurora, N. Y. Filed Dec. 3, 1921. Serial No. 519,729. 1 Claim. (Cl. 173—324.)

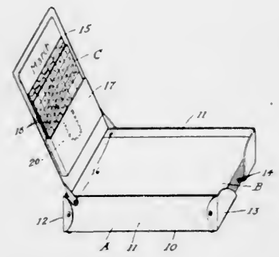


A shield for electric connections including a supporting wire, an upper section including a length of metal having one end thereof bent upon itself to grip the supporting wire, a cap forming a part of the upper section, the length of metal extending below the lower edge of the cap and having its lower extremity bent to grip a wire to secure the wire to the length of metal, a bell-shaped lower section having bayonet slots formed at a point adjacent to the upper end thereof, lugs extending inwardly from the cap and adapted to move into the slots for securing the lower section to the cap, the lower section having a shoulder engaging the lower edge of the cap to restrict movement of the lower section, and said lower section having an upper reduced extremity adapted to fit into the cap to provide a fluid-tight connection.

1,463,209. PROCESS FOR THE MANUFACTURE OF ACETIC ACID. JOHN E. HAGGENMACHER, Cleveland, Ohio, assignor to The Grasselli Chemical Company, Cleveland, Ohio, a Corporation of Ohio. Filed Dec. 16, 1922. Serial No. 607,423. 13 Claims. (Cl. 260—118.)

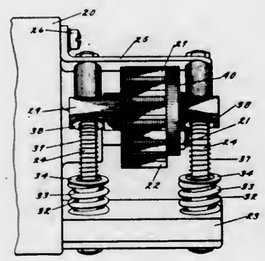
13. Process of making acetic acid which comprises successively distilling batches formed by mixing calcium acetate, hydrochloric acid and a solution of acetic acid under reduced pressure, cutting the distillate into a first concentrated acetic acid fraction and a later dilute acetic acid fraction, and using the said dilute acetic acid fraction from the distillation of each batch in the preparation of each next succeeding batch.

1,463,210. CALENDAR-PAD RETAINER. BLAINE H. HARRIS, St. Paul, Minn., assignor to Brown & Bigelow, St. Paul, Minn., a Corporation of Minnesota. Filed June 23, 1921. Serial No. 479,858. 3 Claims. (Cl. 129—1.)



1. In combination with a desk pad holder having a cover hingedly secured thereto, a calendar pad pocket on said cover and means associated with said pocket adapted to hold the calendar pad therein against freely sliding out of said pocket.

1,463,211. ENGINE-STARTER GEARING. MAX L. HILLMER and LESLIE O. PARKER, Anderson, Ind., assignors to Remy Electric Company, Anderson, Ind., a Corporation of Indiana. Filed June 24, 1921. Serial No. 480,172. 3 Claims. (Cl. 74—7.)



1. In automatic gearing for engine starters, the combination with an engine gear and a motor pinion; of an idle gear meshing with the pinion; an idle gear shaft; guide rods over which said shaft may slide toward the engine gear and may move laterally with respect to said rods; buffer springs surrounding said rods for yieldingly limiting the motion of said shaft; and springs surrounding said rods and interposed between said shaft and a stationary part for yieldingly maintaining said shaft in normal position.

1,463,212. PROCESS FOR THE MANUFACTURE OF CONCENTRATED ACETIC ACID. HENRY HOWARD, Cleveland, Ohio, assignor to The Grasselli Chemical Company, Cleveland, Ohio, a Corporation of Ohio. Filed Dec. 15, 1922. Serial No. 607,201. 9 Claims. (Cl. 260—118.)

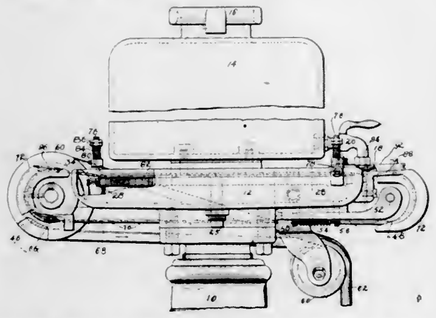
6. Process of making acetic acid which comprises, partially distilling the acetic acid content of a mixture formed by mixing calcium acetate, hydrochloric acid gas and water by indirectly heating said mixture, collecting a relatively concentrated acetic acid solution during said distillation, completing the distillation of the acetic acid content of said mixture by indirectly heating the same and blowing live steam therethrough, and separately collecting a relatively dilute solution of acetic acid while completing the distillation.

1,463,213. SUSPENDERS. WILLIAM M. HUESEMAN, Dillsboro, Ind. Filed Nov. 21, 1921. Serial No. 516,735. 2 Claims. (Cl. 241—27.)



1. A suspender tab comprising a closely wound coil spring bent double at the medial point to form a loop and two parallel shanks, a tie element passed through adjacent coils on said shanks to close the loop at the juncture of said shanks, the ends of the spring wire being bent to provide upstanding terminal eyes on said shanks.

1,463,214. WETTING MACHINE. ALBERT E. JOHNSON and MERTON E. JOHNSON, Beverly, Mass., assignors to United Shoe Machinery Corporation, Paterson, N. J., a Corporation of New Jersey. Filed Nov. 21, 1919. Serial No. 339,711. 37 Claims. (Cl. 91—47.)



3. A wetting machine comprising a stationary support, a covering for the support, means for supplying a fluid to the covering, and a conveyor arranged to move simultaneously a plurality of work-pieces in contact with the support-covering.

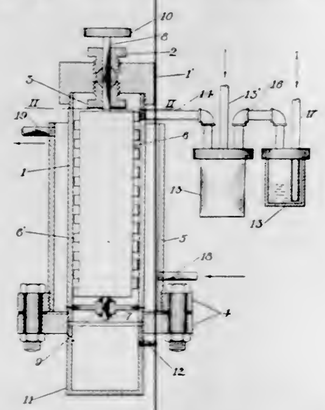
23. In a wetting machine, a receptacle, means for maintaining fluid at a constant level therein, a grating situated near the fluid level, absorbent material carried by the grating, and an endless conveyor arranged to move the work in contact with the absorbent material.

31. In a wetting machine, a fluid receptacle, means provided with spaced projections for separately engag-

ing and moving successive work-pieces into and out of the receptacle, and means arranged to raise each piece as it leaves the receptacle.

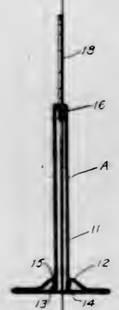
1,463,215. [WITHDRAWN.]

1,463,216. CONDENSER. NORMAN W. KRASE, Clarendon, Va., and VERNIE LESESSNE GADDY, Dillon, S. C. Filed Mar. 17, 1921. Serial No. 453,021. 2 Claims. (Cl. 23—13.)



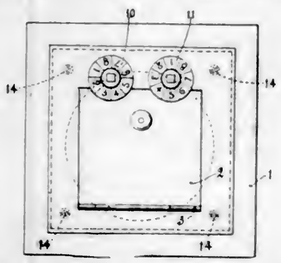
2. A condenser, including a cylinder open at its lower end, means for admitting fluid to the cylinder, a closure for the upper end of the cylinder, a shaft journaled in the closure, a scraper blade secured to the shaft and contacting the walls of the cylinder, a cooling jacket surrounding the cylinder, a receptacle below the cylinder and a clamp secured to the cylinder and connecting the cooling jacket and receptacle to the cylinder.

1,463,217. MINIATURE PARKING SIGN. FRANK J. KRISTOFEK, St. Paul, Minn., assignor to Brown & Bigelow, St. Paul, Minn., a Corporation of Minnesota. Filed June 23, 1921. Serial No. 479,824. 2 Claims. (Cl. 40—146.)



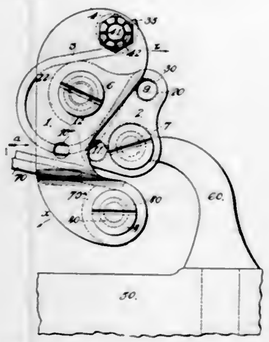
1. A display article including a tubular seamed standard, a divided end formed on said standard, a display member adapted to be engaged by said divided end under tension, a base member and an annular depending flange within said base member adapted to engage the end of said standard to compress the same to hold it rigidly under spring tension to said base member in a vertical position.

1,463,218. SAFETY DEVICE AGAINST THE THEFT OF MOTOR CARS. ALFRED LAURITZEN and VICTOR LAURITZEN, Laeken-Brussels, Belgium. Filed Mar. 25, 1922. Serial No. 546,808. 3 Claims. (Cl. 180—82.)



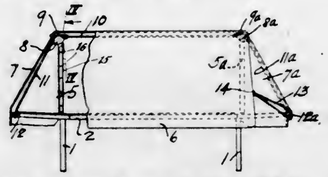
1. In a safety device against motor-car thefts, the combination of: a stationary member constituted by a casing adapted to be secured to the dash board of the car and to enclose a suitable switch for the sparking circuit; a hinged member constituted by a door adapted to open outwardly; inner discs secured on shanks pivotally carried by one of the said members, spring-controlled locking fingers slidably mounted against the inner wall of the other of said members and adapted normally to engage each one of the inner discs in such a manner as to prevent the opening of the aforesaid door; a notch cut in the periphery of the aforesaid inner discs and adapted to render the latter free of engagement by the corresponding fingers when caused to register with the latter; circumferentially graduated outer discs secured on the shanks of the inner discs; stationary indexes or pointers enabling an operator acquainted with the secret combination required to open the door to set the said outer discs in the position wherein the notches of the corresponding inner discs register with their respective fingers; means for altering the position of the outer discs on their shank in relation to the corresponding inner discs; and means exerting a resilient pressure on the aforesaid outer discs and adapted to cooperate with notches or radial grooves in the latter to prevent them from rotating too freely; all substantially as described.

1,463,219. SHOCK ABSORBER. HERBERT LUTZ, Hamilton, Ontario, Canada, assignor to George Morris, Hamilton, Ontario, Canada. Filed May 17, 1921, Serial No. 470,293. Renewed Dec. 26, 1922. 8 Claims. (Cl. 267—19.)



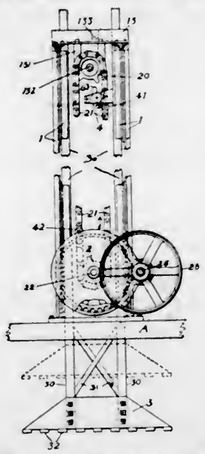
1. In a spring suspension for road vehicles wherein is provided a main spring, one end of which is adapted to be connected with a fixed part of the vehicle, said main spring and said fixed part of the vehicle constituting two elements; a rocker frame, means for pivotally sustaining said frame on one of said elements, a hanger frame, means for pivotally sustaining said hanger frame to oscillate in the direction of the length of the main spring, means for coupling said hanger to the other of said elements, and an auxiliary spring that engages stop portions on the rocker and hanger frames and tends to normally oppose the rebound tension of the main spring.

1,463,220. TENT SHELTER. WILLARD E. MARSH, Memphis, Tenn. Filed June 21, 1922. Serial No. 569,794. 4 Claims. (Cl. 135—1.)



4. In a shelter tent a center section of fabric, pockets attached to the said center section near the ends thereof, guy ropes attached to the opposite ends of the said center section, struts for each end of the said center section adapted to engage in the said pockets and extend downward to support the said center section, end sections of fabric securely fastened to the said struts and means for fastening the edges of the said center section.

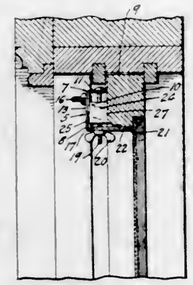
1,463,221. TRAMPER. OLIVER MITCHELL, Brookline, Mass., assignor to The Murray Company, Dallas, Tex., a Corporation of Texas. Filed May 4, 1921. Serial No. 466,828. 5 Claims. (Cl. 109—25.)



1. In a gravity tramper; a standard; a plunger movable longitudinally with relation to that standard and having an engaging device thereon; a rotatable wheel mounted at the lower end of the standard; a rotatable wheel mounted at the upper end of the standard; an endless belt member connecting the rotatable wheels; an actuating bearing mounted upon the endless belt member to engage the engaging device on the plunger by the upward moving reach of the endless belt; a detent to hold the plunger at the top of its stroke; means to release the plunger from the detent, to fall by gravity.

1,463,222. WINDOW LOCK. LEWIS A. MOLOGNE, Smithton, Pa. Filed May 20, 1922. Serial No. 562,367. 3 Claims. (Cl. 292—343.)

3. In combination with the upper and lower sashes of a window, a bracket comprising a pair of adjustably connected arms, a bolt extending between and engaging said arms, said bolt being adapted to urge the ends of the arms in engagement with a portion of the upper sash, a wedge member carried by said bolt, said wedge member being arranged to extend between and engage the confronting faces of the rails of said upper and lower sashes.



1,463,223. SECTIONAL GRAIN SPROUTER. CALVIN C. NEWPORT, Des Moines, Iowa, assignor to Des Moines Incubator Company, Des Moines, Iowa, a Corporation of Iowa. Filed Nov. 10, 1921. Serial No. 514,418. 4 Claims. (Cl. 47—30.)

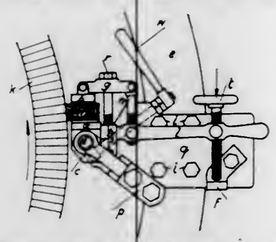


1. A grain sprouter, comprising a base section adapted to contain a heating device, a plurality of tray sections separately formed and adapted to be mounted in series upon said base section, grain trays mounted in said tray sections, said tray sections being formed with double walls the air spaces of which communicate with the air spaces of adjacent sections, the air spaces of the lowermost tray section communicating with the interior of the base section, and a movable top for the uppermost tray section, said top when closed forming a closure for the upper ends of said air spaces.

1,463,224. APPARATUS FOR TRUING UP COMMUTATORS, HIP RINGS, DRUMS, AND THE LIKE. ANDERS NORREL, Zurich, Switzerland. Filed Mar. 31, 1921. Serial No. 457,487. 4 Claims. (Cl. 51—244.)

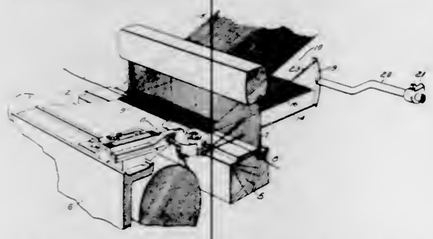
1. An apparatus for truing commutators, hip rings, and the like, comprising a shaft, a grinding member, a holder for said grinding member secured to said shaft, means pivotally supporting said shaft and permitting a swinging adjusting movement of the holder and grinding member whereby the latter may be adjusted substantially radially of the work to be trued, means for maintaining

the grinding block in predetermined position with respect to said work regardless of irregularities in the surface of



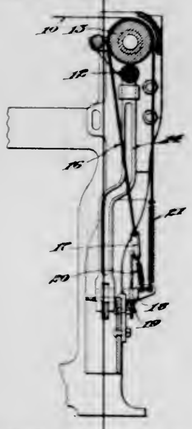
the latter, and means for shifting said shaft to adjust the grinding block and the holder in the direction of the axis of the work.

1,463,225. THREAD-PARTER MECHANISM. JONAS NORTHROP, Hopedale, Mass., assignor to Hopedale Manufacturing Company, Milford, Mass., a Corporation of Massachusetts. Filed May 26, 1917. Serial No. 171,130. 14 Claims. (Cl. 139—302.)



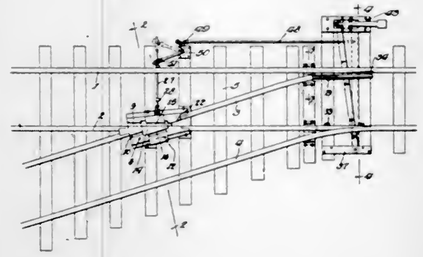
1. A thread parter mechanism for looms having, in combination, a thread support located close to the selvage and substantially in the plane thereof, said thread support extending from the fell rearwardly a distance substantially equal to the length of the throw of the lay, and a thread parter located between the selvage and the thread support.

1,463,226. TAKE-UP MECHANISM FOR LOOMS. JONAS NORTHROP, Hopedale, Mass., assignor to Hopedale Manufacturing Company, Milford, Mass., a Corporation of Massachusets. Filed July 20, 1922. Serial No. 576,291. 4 Claims. (Cl. 139—313.)



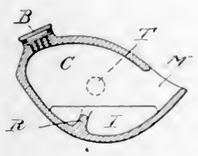
1. A loom having, in combination, a wind up roll, means for driving the same to wind up the cloth, means for disconnecting said driving means, a friction strap resisting rotation of the wind up roll connected at its ends to springs, one of such springs tending to resist the rotation of the wind up roll and to wind back the cloth when permitted so to do.

1,463,227. RAILWAY SWITCH. JOHN J. RONDERS, Monongah, W. Va. Filed Oct. 26, 1922. Serial No. 597,016. 2 Claims. (Cl. 246—392.)



1. In a railroad switch, the combination with main and siding rails, of a supporting base arranged at the cross over of two of said rails and having a transverse recess in its upper side and having guiding faces alining with the respective rails, a frog shiftable in the recess and having channels for alinement with the respective rails, a key engaging the frog and the base to retain the frog in the recess in the base, and means for shifting the frog.

1,463,228. METHOD OF MANUFACTURING WROUGHT IRON. ALBERT SAUVEUR, Cambridge, Mass. Filed Jan. 31, 1922. Serial No. 532,937. 2 Claims. (Cl. 75—44.)

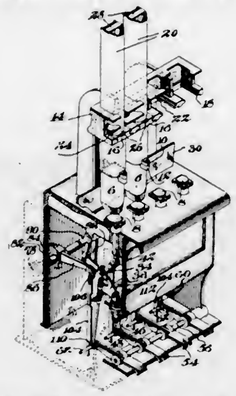


1. The method of manufacturing wrought-iron ball, characterized by the following operations: reducing the carbon content of molten pig iron to a low percentage by Bessemer action, retaining slag and iron oxide produced by said action, in the decarbonized iron; lowering the temperature of the mixture of decarbonized iron and slag, while subjecting it to continued cascade agitation and thereby maintaining mutual distribution of the said components.

1,463,229. CUTTING MACHINE. RALPH C. SIMMONS, Beverly, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J., a Corporation of New Jersey. Filed July 15, 1920. Serial No. 396,435. 33 Claims. (Cl. 164—21.)

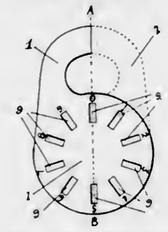
1. In a machine of the class described, a die member and a cutting block member relatively movable toward and from each other during cutting operations, manually

operable means for causing relative approaching movement of the die and cutting block members, an operating



connection between said means and one of the members, and power means for completing the movement of the operating connection to effect a cutting operation.

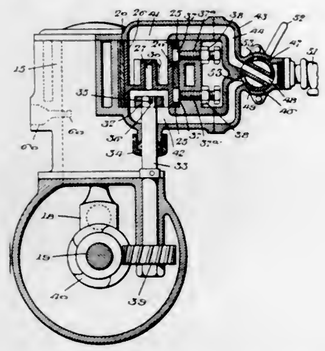
1,463,230. PUSH-KEY COMBINATION PADLOCK. CHESTER J. SQUIRES, Galesburg, Ill. Filed Sept. 13, 1920. Serial No. 409,870. 12 Claims. (Cl. 70—54.)



1. In a device of the character described, a lock body comprising two parallel circular disks, in axial alignment, spaced apart and held in said relation by shackle arms rigidly attached to a portion of the periphery of both of said disks; a second shackle arm rigidly attached to a portion of the periphery of an internally notched ring, said ring having an outside diameter substantially the same as that of the body disk and being of a thickness to fit revolvably between said disk; there being a circular series of radially extending slots piercing the two disks of the lock body; and in combination with said structure a push key for each of said slots adapted to be slidably inserted therein, each of the said push keys having a notch in its outer edge, a part of each of said notches being cut to a greater depth than the remainder thereof, substantially as described and for the purpose specified.

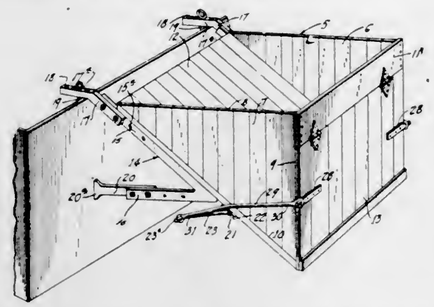
1,463,231. INTERNAL-COMBUSTION MOTOR. FRANK STONER, Corregidor Island, and CHARLES HENRY WM. AITKEN, Manila, P. I., assignors to William Maxwell Thebaut, Manila, P. I. Filed Nov. 18, 1919. Serial No. 338,982. 2 Claims. (Cl. 123—59.)

1. The combination with a multiple cylinder engine having spaced fuel passages and means for alternately opening and closing said passages at one end thereof, of a valve chamber arranged at the opposite end of the spaced fuel passages and in communication therewith, said fuel passages entering the chamber from the same side, a hollow cylindrical reversing valve mounted for rotation in said chamber and provided with a centrally disposed passage, one end of which is adapted to be registered with either of the spaced fuel passages, while the opposite end is in constant communication with the intake manifold of the engine, a pair of chambers D-shaped in cross section, one of which is arranged on each side of the centrally disposed passage, said cham-



bers are provided with ports alternately registering with either of the spaced fuel passages when the centrally disposed passage is in communication with the other spaced fuel passage and a manually operated lever for rotating the valve for changing the action of the engine.

1,463,232. ATTACHABLE HOPPER. MOSES L. TRIMMER, Craig, Mo. Filed Nov. 20, 1922. Serial No. 602,141. 6 Claims. (Cl. 193—5.)

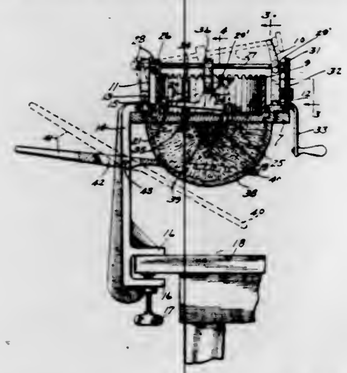


1. An attachment hopper comprising spaced side members, a movable end member and an inclined bottom member, brackets carried by each side portion of the bottom, each bracket comprising a supporting arm disposed at an inclination to a support and adapted to be secured to the bottom of the hopper, a holding arm projecting from the lower end portion of the supporting arm, said holding arm extending at right angles to the support, the opposite end of the supporting arm having an adjustable extension, adjustable means carried by said extension for holding the arm in connection with a support, and an adjustable extension carried by the end of the holding arm and arranged to engage the adjacent face of the extension.

1,463,233. GRAPEFRUIT CORER. CARL J. ULRICH, Mankato, Minn., assignor of one-fourth to Wyman A. Miller and one-fourth to Simon R. Clark, both of Minneapolis, Minn. Filed Sept. 8, 1922. Serial No. 586,878. 15 Claims. (Cl. 146—6.)

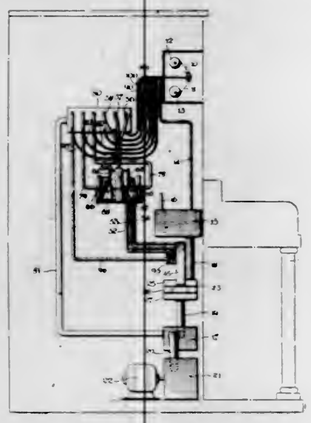
1. A grapefruit corer including a holder and a knife blade-equipped head, one of which is rotatable, and means

for imparting a plurality of complete endwise reciprocatory movements to the knife blade obliquely to the axis



of rotation of the rotatable member, for each rotation of the rotatable member.

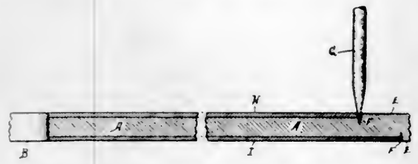
1,463,234. EXPRESSION DEVICE FOR PLAYER PIANOS. ORMOND EDGAR WALL, Honolulu, Territory of Hawaii. Filed Feb. 10, 1921. Serial No. 443,858. 14 Claims. (Cl. 84—39.)



1. An attachment of the character described for player actions including a controller box having suction connections and atmospheric ports, spring controlled valves normally under moderate tension of their springs for controlling the said suction connection and atmospheric ports, means engageable with and for moving the springs of said valves whereby to increase the tension on the valves, including suction controlled bellows and note sheet controlled means for exhausting the said bellows.

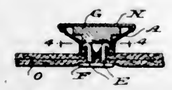
1,463,235. AUTOMATIC STOP RECORD. JAMES W. WHALEN, Richmond, Ind. Filed Jan. 31, 1922. Serial No. 532,936. 3 Claims. (Cl. 274—42.)

1. A phonograph record disc having a spiral impression in its face in the usual manner, and having a V-shaped channel formed at the inner terminus of said spiral impression, said channel being formed in the face of the disc and concentric therewith and being larger in cross section than the spiral impression, the walls of said channel being at more acute angle with relation to each other than is the angle of the lower portion of the stylus, whereby the stylus will engage the walls of the



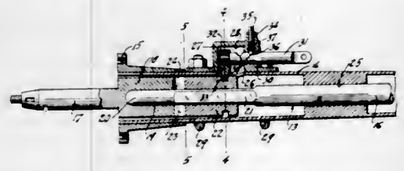
channel only at the surface of the disc with the point of the stylus suspended in said channel, all substantially as shown and described.

1,463,236. BUTTON. FRANKLIN R. WHITE, Waterbury, Conn., assignor to The Patent Button Company, Waterbury, Conn., a Corporation of Connecticut. Filed Mar. 23, 1922. Serial No. 545,923. 1 Claim. (Cl. 24—95.)



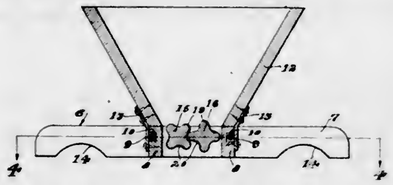
A button of the character described comprising a body portion, a hollow hub and a base, a die comprising an enlarged base resting against the top of said button, and a relatively smaller concentric head projecting down within the hollow hub and lying directly above the base of the button, the lower surface of the die head and the base of the button provided with registering annular grooves.

1,463,237. TRANSMISSION RELEASE. JACOB YOUNG and MERTON L. FRAKES, Hennessey, Okla. Filed Oct. 2, 1922. Serial No. 591,873. 2 Claims. (Cl. 192—67.)



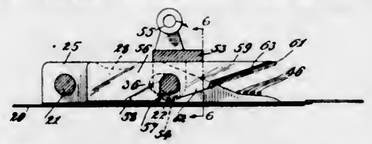
1. In a device of the type described, the combination with a vehicle embodying a differential housing having a forwardly extended tubular portion provided with a bearing, and a torque tube secured to the forward end of such tubular portion, of a shaft formed in two sections, one of which is rotatably mounted within said bearing and has an enlarged portion extending into the torque tube, the other section of the shaft having its rear end rotatably mounted in said enlargement, a block slidably mounted upon the last named section of the shaft and provided upon its rear face with clutch teeth, said enlargement being provided upon its front face with clutch teeth adapted to coact with the clutch teeth of said block, means extending through the wall of the torque tube for shifting said block, including a yoke secured upon the outer surface of the torque tube and having a recess, the torque tube having an opening aligning with the recess of the yoke, a shaft slidably mounted in the front wall of the yoke, and a shifting fork engaged with the rear end of the last named shaft and engaging within a groove formed in said block.

1,463,238. FRUIT CRUSHER. RAFFAELE BACCELLIERI, Philadelphia, Pa. Filed Sept. 14, 1922. Serial No. 588,103. 1 Claim. (Cl. 146—122.)



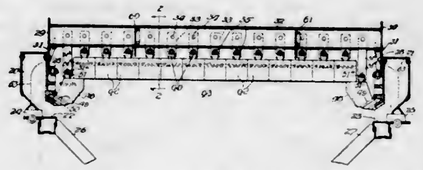
A fruit crusher of the class described including parallel side rails, cross bars between the side rails and having longitudinally recessed portions, connecting members mounted in the recesses, a hopper resting on the cross bars and portions of the side rails, said hopper having a discharge opening and provided with means of attachment to the cross bars, and crushing elements within the hopper at the discharge opening.

1,463,239. PILE-CUTTER KNIFE. THEODOR BACHOFEN, West Hoboken, N. J. Filed Apr. 4, 1922. Serial No. 549,389. 5 Claims. (Cl. 139—62.)



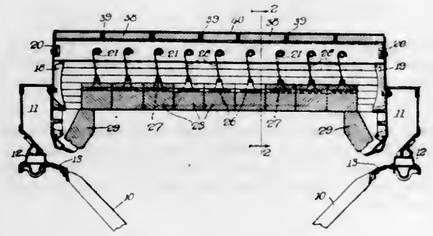
1. A pile cutting device comprising a U shaped holder, having an oblique front end, including a portion substantially parallel to its base, a pair of spaced support rods passing through said holder, a knife blade having an oblique cutting edge arranged in cooperative relation to the angle of said holder, said blade containing a recess engageable with one of said rods in such manner as to be supported by it, a flat bar disposed transversely over said blade, lugs on said flat bar journalled on the last named rod, and means for oscillating said bar whereby said knife is rocked upon its rod support.

1,463,240. SUSPENDED ARCH CONSTRUCTION FOR FURNACES. FRANK B. BIGELOW, Detroit, Mich., assignor to Murphy Iron Works, Detroit, Mich., a Corporation of Michigan. Filed Apr. 9, 1920. Serial No. 372,418. 1 Claim. (Cl. 110—99.)



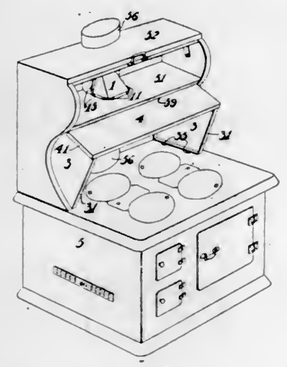
In an arch-construction of the character described, the combination of a plurality of arch-bricks, a main supporting-structure, a hollow supporting-member slidably mounted on said structure, a furnace front-plate apertured in registration with said member, the latter being adapted to receive outer air through said front-plate aperture and deliver it into the space above the arch, a plurality of hangers supporting said bricks individually from said member, a back wall for the space above the arch apertured in register with said member and removable means normally closing said back wall aperture, the construction permitting the removal of any hanger and its injured brick by shifting the member longitudinally sufficiently through one of said apertures to free the hanger of the injured brick therefrom and temporarily supporting the remainder of the bricks not sustained by the member in its new position by a follower introduced through the other aperture.

1,463,241. ARCH CONSTRUCTION FOR FURNACES. FRANK B. BIGELOW, Detroit, Mich., assignor to Murphy Iron Works, Detroit, Mich., a Corporation of Michigan. Filed Apr. 9, 1920. Serial No. 372,419. 11 Claims. (Cl. 110—99.)



1. In a suspended-arch construction for furnaces of the character described, the combination of a plurality of bricks constituting a portion of the arch, a plurality of independent hangers each supporting a brick of the arch from above, and a supporting-pipe above said arch and common to said hangers, substantially as described.

1,463,242. VENTILATOR ATTACHMENT FOR RANGES. BENJAMIN BIGGS, Seattle, Wash. Filed Dec. 15, 1921. Serial No. 522,475. 6 Claims. (Cl. 125—17.)

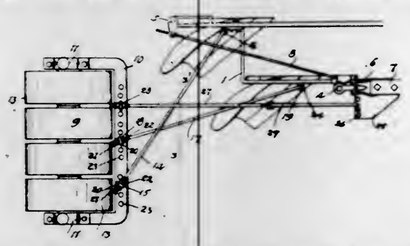


3. A ventilator hood attachment for ranges having an elevated shelf including independent vertically-extending wings adapted to be individually removably secured at the sides of the range, and a removable member extending forwardly from said shelf and supported upon said wings.

1,463,243. PACKER AND HITCH THEREFOR. JULIUS BLEY, Duval, Saskatchewan, Canada. Filed May 3, 1921. Serial No. 466,419. 3 Claims. (Cl. 97—6.)

1. The combination with a plow frame, the steering tongue therefor and a packer frame positioned rearwardly to the side of the plow frame, of a pair of

crossed rods adjustably and pivotally connecting the packer frame and to the plow frame and a steering con-



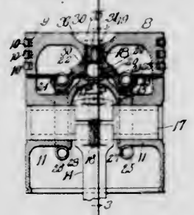
nection between the tongue and the packer frame designed in the swinging of the tongue to shift the inner end of the packer frame.

1,463,244. FLEXIBLE ATTACHMENT FOR TROLLEY POLES. FRANK T. BOGARD, Oakland, Calif., assignor to Rodney H. Marchant, Oakland, Calif. Filed Jan. 29, 1923. Serial No. 615,720. 7 Claims. (Cl. 191—64.)



1. A flexible attachment for trolley poles comprising a pair of separated stems, a spring whose ends project over the adjacent ends of the stems, a separate current conducting cable extending between the stems inside the spring, the ends of said cable being passed to the outside of the stems beyond the spring-ends through holes bored through said stems, the spring and cable ends being then welded to the stems, the welding-metal being placed about the corners formed between the spring-ends and the surface of the stems outwardly thereof.

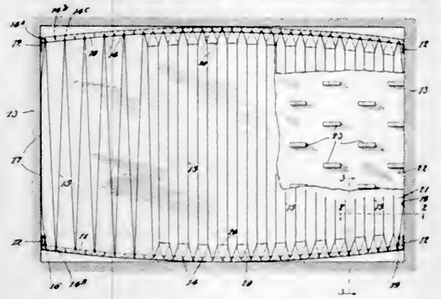
1,463,245. TWO-PART PISTON FOR INTERNAL-COMBUSTION ENGINES. JAMES BOLAN, Boston, Mass. Filed Feb. 23, 1922. Serial No. 538,451. 18 Claims. (Cl. 74—108.)



1. A piston for internal combustion engines having, in combination, a body portion and a head portion and pivotal means concentric and in alignment with the median longitudinal line of said piston whereby said head portion is universally pivotally mounted on said body portion.

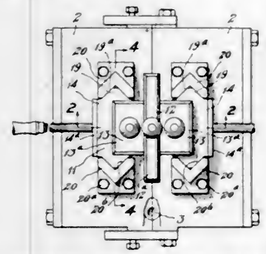
1,463,246. PARTITION. JAMES E. BRADY, New York, N. Y. Filed Aug. 12, 1922. Serial No. 581,309. 17 Claims. (Cl. 72—116.)

1. In a partition, in combination, two aligned supporting members, a plurality of spaced parallel means carried by the top and bottom of each supporting member each capable of carrying a continuous plaster support, a continuous plaster support laced between the top and bottom carrying means of each supporting member and



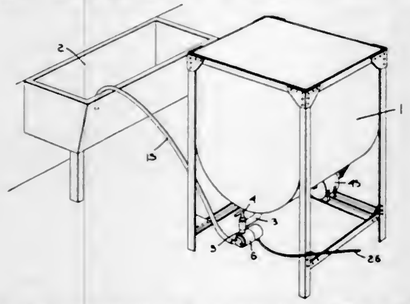
upon the carrying means, the two extremities of the continuous plaster support being fixed and means for tensioning the continuous plaster support.

1,463,247. METAL MOLD. HAROLD H. BRAND, Cleveland, Ohio, assignor, by mesne assignments, to Aluminum Manufactures, Incorporated, Cleveland, Ohio, a Corporation of Delaware. Filed Apr. 25, 1921. Serial No. 464,254. 10 Claims. (Cl. 22—151.)



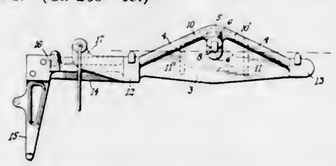
1. In a permanent mold for cup shaped castings in combination, a permanent mold body having a casting cavity, a sectional core supported on the mold body and extending into the casting cavity, open ended recesses in the side faces of certain of the said core sections for forming cross webs on the casting, and means engaging with and guiding certain of the said core sections during the removal of the said sections from contact with the said webs.

1,463,248. MEANS FOR EMPTYING WASHING MACHINES. ARTHUR C. BUALEIGH, Wollaston, and ALBERT C. GOWING, Braintree, Mass. Filed Feb. 24, 1921. Serial No. 447,476. 3 Claims. (Cl. 103—87.)



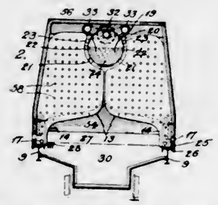
1. The combination with a receptacle having a discharge spout, of a pump unit comprising as a unitary structure a pumping element having an inlet and an outlet and a motor for operating said pumping element, means associated with the inlet for detachably connecting the unitary pump unit to said discharge spout, said unit being supported entirely by the discharge spout, and a hose connected to the outlet of the pump.

1,463,249. SCALE BEAM. ERNEST E. BURROWS, St. Johnsbury, Vt., assignor to E. and T. Fairbanks and Company, St. Johnsbury, Vt., a Corporation of Vermont. Filed July 9, 1921. Serial No. 483,386. 5 Claims. (Cl. 265—49.)



1. A scale beam having parallel metallic arms adapted to carry pivotal bearings for supporting the beam and scale parts, each arm having a stiffening flange providing a tension member for the arm extending along one edge thereof and having angularly disposed oppositely downwardly inclined sections, and a web rigid with said arms and extending therebetween, said web having a depending stiffening flange and presenting a smooth and unobstructed upper surface.

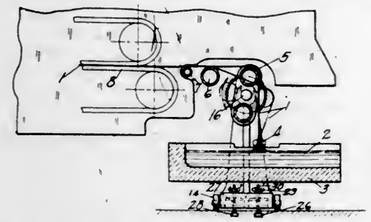
1,463,250. LOCOMOTIVE BOILER. JOHN J. CAIN Bayonne, N. J. Filed Sept. 25, 1920. Serial No. 412,806. 11 Claims. (Cl. 122—228.)



1. A locomotive boiler, comprising similar narrow hollow vertical sections, having supporting feet at their lower edges transversely arranged edgewise in pairs with their adjacent edges at the longitudinal central plane of the boiler and spaced apart to provide continuous vertical heating passage between them, the boundaries of the transverse faces of each pair being substantially equal to the vertical and transverse horizontal boundaries of the available space of the locomotive above its running gear, said duplex sections being in two sets longitudinally located in the boiler, the lower parts of the sides of the set of sections at the furnace end of the boiler being water legs and constituting the side walls of the fire box with their supporting feet at a lower level than those of the other set of sections, in combination with the main frame of the locomotive to the side girders of which the supporting feet of the sections are secured.

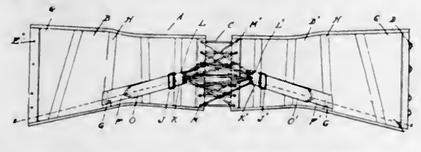
1,463,251. CHANGING BENDING ROLLERS IN SHEET-GLASS-DRAWING MACHINES. ROBERT P. CALLARD, Charleston, W. Va., assignor to The Libbey-Owens Sheet Glass Company, Toledo, Ohio, a Corporation of Ohio. Filed Mar. 27, 1922. Serial No. 547,138. 5 Claims. (Cl. 49—17.)

1. The method of substituting a new bending roller in a glass drawing apparatus without halting the drawing operation, consisting in positioning the new roller parallel to the old one but out of contact with the glass sheet, revolving the two rolls simultaneously through 180° about a common center so that their positions become interchanged, and then removing the old roller.



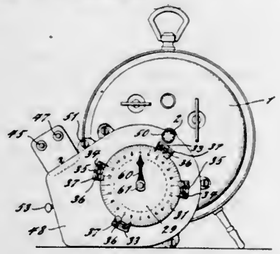
2. In an apparatus for changing bending rollers in a sheet glass drawing machine without halting the sheet drawing operation, a pair of similar roller supporting devices, each comprising a supporting frame, a turntable mounted on the frame to rotate in a plane perpendicular to the axis of the bending roll, means to rotate the turntable, and means on the turntable for supporting the adjacent ends of a pair of parallel bending rollers.

1,463,252. CORSET AND ABDOMINAL SUPPORT. SAMUEL H. CAMP, Jackson, Mich., assignor to said Samuel Higby Camp and Edwin C. Reynolds, a Copartnership, trading as S. H. Camp & Company. Filed Apr. 22, 1918. Serial No. 229,985. 2 Claims. (Cl. 2—73.)



1. In a device of the class described, the combination with a pair of separate sections having quick-detachment means at the front edges thereof, of a lacing connecting the adjacent rear edges of said sections, a pair of tab members movable over said sections near the adjacent rear edges thereof, one end of said lacing being secured to one of said tab sections, the opposite end of said lacing being secured to the other of said tab sections, the intermediate portions of said lacing freely movably engaging said tab members and the adjacent rear edges of said sections, buckles respectively carried by said tab members, and adjusting means permanently secured to the respective sections and return-bent through said buckles.

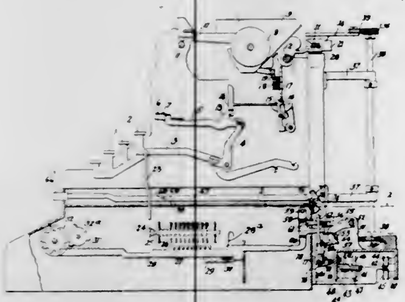
1,463,253. TIME SWITCH. JEROME F. CERMAK, Brooklyn, N. Y. Filed Nov. 24, 1920. Serial No. 426,193. 18 Claims. (Cl. 200—36.)



4. In a time switch, the combination of a gear, a clock time train means for connecting the gear to the clock time train to be driven thereby, a conducting sleeve

mounted for rotation with the gear and insulated therefrom, a plurality of conducting segments mounted to rotate on said sleeve, and having pin and slot connections between themselves so as to have a fan like expansion and contraction and thereby lengthen or shorten the effective peripheral distance along their combined outer edge, an insulating element mounted to rotate on said sleeve and also having a pin and slot connection with an end conducting segment, said insulating element having a cavity therein into which the segments can move when contracted, an arm carried by the other end segment, means for adjusting the arm and insulating element about the sleeve to expose any desired length of the periphery of the segments and secure them in adjusted position for rotation with the sleeve, a spring operated contact arm adapted to be cammed outwardly against the action of its spring by the insulating element and allowed to snap inwardly upon the exposed peripheral portion of the segments and then off of the end of the exposed segment, and a second contact arm in continuous engagement with the sleeve.

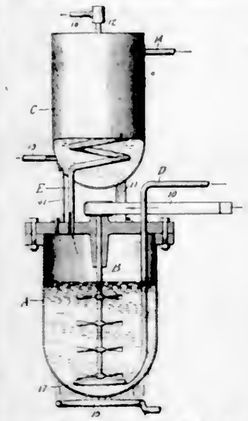
1,463,254. COMBINED TYPEWRITING AND COMPUTING MACHINE. FREDERICK U. CONARD, Brooklyn, N. Y., assignor to Underwood Computing Machine Company, New York, N. Y., a Corporation of New York. Filed Oct. 18, 1921. Serial No. 508,434. 22 Claims. (Cl. 235—60.)



1. In a combined typewriting and computing machine, the combination of a register, comprising computing elements, numeral-key-operated devices, settable indexing devices on said computing elements, said indexing devices being normally out of range of the key-operated devices, a main carriage, a sub-carriage connected to the main carriage to travel therewith, but in opposite direction, and a settable selector on the sub-carriage to cause the computing elements to be operated seriatim to move the indexing devices into settable relation with respect to said key-operated devices.

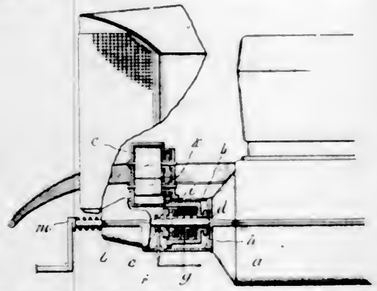
22. In a combined typewriting and computing machine, in combination, a set of denominational dials, a set of reciprocable denominational bars to actuate said dials, numeral-keys, digit-indexing devices on said bars settable in accordance with numeral-keys depressed, and means for advancing said bars seriatim to positions for setting said digit-indexing devices, comprising levers pivoted to swing about a common axis and arranged therealong at regular intervals less than the distances between said bars, the lower ends of said levers being flared outwardly progressively, so as to bring them opposite the rear ends of the bars, and a denomination-selector dog movable step by step past said levers to engage the same seriatim along their closer spaced portions and advance the bars to position for digit indexing.

1,463,255. PROCESS OF PREPARATION OF BENZOATES AND BENZOIC ACID FROM DIBENZYL. GEORGE OLIVER CURME, Jr., and HERMAN BUNSEN HEYN, Pittsburgh, Pa., assignors, by mesne assignments, to Union Carbide Company, New York, N. Y., a Corporation of Virginia. Filed Apr. 20, 1917. Serial No. 163,522. 8 Claims. (Cl. 260—108.)



1. Process of preparing benzoic acid or compounds thereof, comprising subjecting dibenzyl to the action of molecular oxygen in presence of an oxygen carrier.

1,463,256. COMPRESSOR ARRANGEMENT FOR THE MOTORS OF AUTOMOBILE VEHICLES. PAUL DAIMLER, Canstatt, Germany, assignor to the Firm Daimler-Motoren-Gesellschaft, Unterturkheim, Germany. Filed Sept. 10, 1921. Serial No. 499,849. 1 Claim. (Cl. 230—27.)

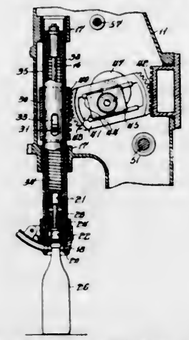


In a motor vehicle having a motor, a radiator spaced therefrom and a crank shaft projecting into the space between said motor and radiator, a casing rigidly secured to the motor casing and projecting into the space between the motor and radiator and surrounding said crank shaft, a disengageable clutch mounted upon said crank shaft within said casing, means to actuate said clutch mounted upon and projecting through said casing, a pump rigidly secured to said casing and contained within the space between said motor and radiator, and gearing connecting said pump and clutch entirely enclosed within said casings.

1,463,257. CAPPING APPARATUS. WILLIAM V. DERBY, Baltimore, Md., assignor to The Crown Cork and Seal Company of Baltimore City, Baltimore, Md., a Corporation of Maryland. Filed Sept. 24, 1920. Serial No. 412,523. 9 Claims. (Cl. 226—84.)

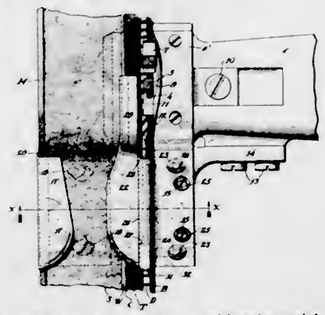
1. In a capping apparatus, and in combination, a capping plunger including a tubular member, a bottle

support, a transmitting element relatively movable with respect to the tubular member and comprising an abutment within the tubular member and a part slidable on



the tubular member, means acting on the slidable part to move the same towards the bottle support with a fixed stroke, and a spring between said abutment and the capping plunger.

1,463,258. GUIDE FOR SEWING MACHINES. JOHN J. DRAKE, Elizabeth, N. J., assignor to The Singer Manufacturing Company, Elizabeth, N. J., a Corporation of New Jersey. Filed June 16, 1921. Serial No. 477,870. 9 Claims. (Cl. 112—15.)



2. In a sewing machine, the combination with stitch-forming mechanism, of a device for guiding to said stitch-forming mechanism for attachment to a hat a sweat-band having a cross-bar edging at one side thereof, said device including a resilient finger supported to have a floating work-engaging free end capable of yielding in transverse directions for tensionally directing the free edging bead to said stitch-forming mechanism.

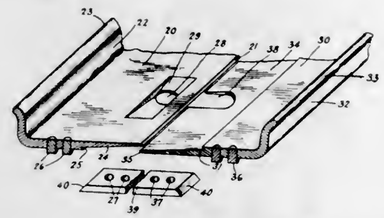
1,463,259. VANITY CASE. ANDREW B. FLAGG, Attleboro, Mass. Filed Dec. 15, 1921. Serial No. 522,652. 7 Claims. (Cl. 132—83.)



6. A vanity case comprising a shell formed of sections hinged together and adapted to have their front edges swing apart, a plurality of superimposed trays normally

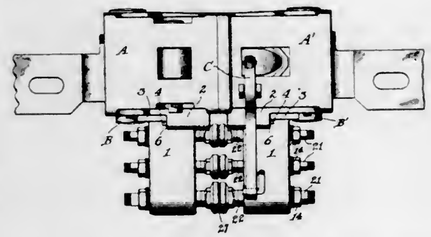
housed between said walls each being pivotally connected to the one above, the upper one of said trays being fixed to one of said wall sections whereby when those below are swung forward each is opened and positioned to present its contents to the user, a lid adapted to close over and lock together the upper edges of said wall sections when closed to house said trays, a mirror in the inner face of said lid, and means for supporting said lid with its mirror in the desired operative position when open.

1,463,260. DEMOUNTABLE RIM. ALFRED L. FOUCHÉ, Atlanta, Ga. Filed Dec. 14, 1921. Serial No. 522,217. 1 Claim. (Cl. 301—35.)



A demountable rim comprising a pair of bands having attenuated lateral elements arranged in overlapping relation at their circumferential joints, cylindrical pins fixed in aligned pairs to extend from the inner surfaces of each band, clamp plates having round openings receptive of said pins to hold the plates in close relation, and bevelled extensions on the ends of said clamp plates facilitating their removal.

1,463,261. COMPRESSION COUPLING. JOHN H. FUNK, Louisville, Ky., assignor to Universal Car and Hose Coupler Company, St. Louis, Mo., a Corporation of Arizona. Filed Aug. 20, 1920. Serial No. 404,725. 4 Claims. (Cl. 285—24.)

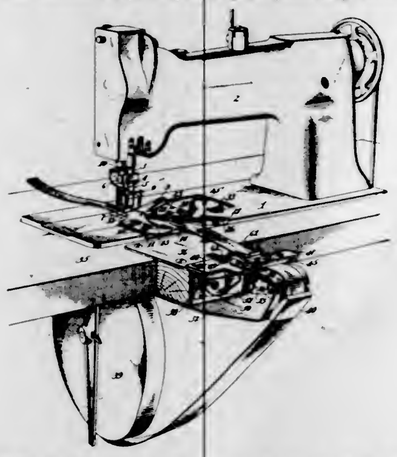


1. In a device of the class described, a support having a front and rear bearing, a tubular member slidable in the bearings of said support, a collar removably fitted over said tubular member against said front bearing, said tubular member having a yieldable forward end face, a spring housed within the support between said bearings and arranged to urge the tubular member forward and means to limit the effective action of the spring tending to force said tubular member forward.

1,463,262. STRAP-FORMING DEVICE FOR SEWING MACHINES. CHARLES F. GRAY, Sierra Madre, Calif., assignor to The Singer Manufacturing Company, a Corporation of New Jersey. Filed June 21, 1918. Serial No. 241,149. 12 Claims. (Cl. 112—2.)

12. A strap-forming device for sewing machines comprising, in combination, a strip-guide, means for diverting the initially emerging end of a strip in a direction substantially transverse to the direction of its lead through the strip-guide, a strip-supporting element disposed at the delivery end of said strip-guide in spaced relation

with respect to the strip-diverting means around which element the strip may be doubled on a line substantially transverse to its length, means for gauging the length of the doubled strip, cooperating strip-severing elements



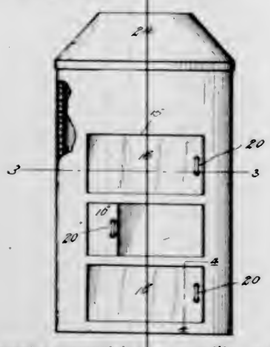
disposed in advance of the receiving-end of said strip-guide, means for holding a severed end of said strip against retrograde movement, and means for engaging the doubled end of said strip to initially present the same to the action of the stitch-forming mechanism.

1,463,263. BURNER TIP. JOHN H. GRAYSON, Athens, Ohio. Filed Sept. 23, 1922. Serial No. 590,161. 4 Claims. (Cl. 158—116.)



1. A burner tip comprising an element having as an integral construction a lower ring portion and an upper portion defining a plurality of parallel bars and resulting slots, and a ferrule surrounding the upper portion, parts of the ferrule extending into the slots and providing braces for the bars.

1,463,264. REFRIGERATOR. KINE GROSS, Wellman, Iowa. Filed Sept. 11, 1922. Serial No. 587,378. 1 Claim. (Cl. 220—63.)

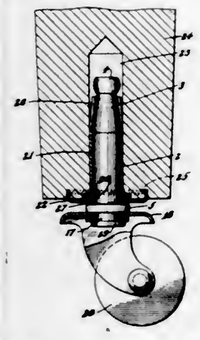


A refrigerator comprising a metallic casing body, a lining of hard material substantially as specified snugly fitting within the casing body, and a lining of quicksilver at the inner side of the casing body and between the same and the first-named lining; the casing body and the first-named lining having inwardly-directed flanges at their upper ends, a cover of the same material as the first-named lining threaded into the flange of the same, and a metallic cap removably arranged over the refrigerator body.

1,463,265. PROCESS OF APPLYING LABELS TO CANNED GOODS. WILLIAM CLIFTON HART, Montague Bay, Tasmania, Australia. Filed June 29, 1921. Serial No. 481,367. 1 Claim. (Cl. 41—24.)

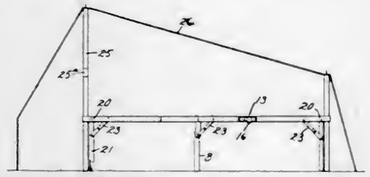
The process of applying descriptions to containers wherein the label is first impressed type high in the plate from which the can body is made and forming the can from said plate, the filled can being them passed over vari-colored parallel pads to apply parallel stripes or rings to said type high label.

1,463,266. CASTER. WALTER F. HEROLD, Newark, N. J., assignor to The Bassick Company, Bridgeport, Conn., a Corporation of Connecticut. Filed Sept. 21, 1922. Serial No. 589,502. 6 Claims. (Cl. 16—38.)



2. In a caster, the combination of a cylindrical socket having an inwardly extending spring portion forming its upper end, and a pintle having a cylindrical portion of uniform diameter adapted to slidably fit in said socket from the lower end of the same to the base of the spring portion of the same, and having a portion of reduced diameter extending from said first portion to a point above the upper end of said socket spring-portion, and having a head above the upper end of said spring portion, when the pintle is mounted in position, said pintle having a peripheral shoulder at its lower end and said socket having a leg supporting plate secured to the lower end thereof, the lower end of the socket bearing upon said shoulder, and the pintle, at the junction of said cylindrical portion and shoulder, having a snug rotative fit in the socket.

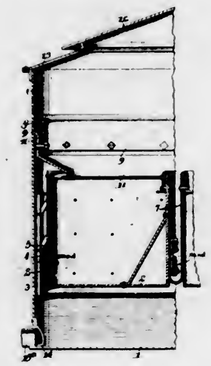
1,463,267. FOLDING AND TENT BED. RALPH B. HOSNER, San Francisco, Calif. Filed July 21, 1921. Serial No. 486,453. 2 Claims. (Cl. 5—113.)



1. In a tent bed structure, a frame having at its corners sockets to receive tent poles, and legs for supporting the

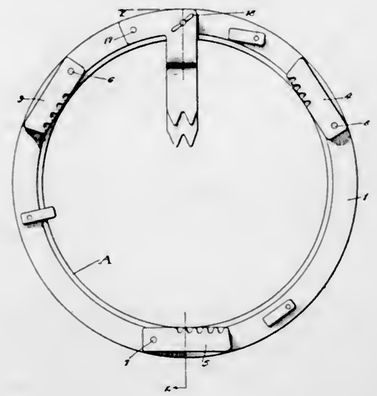
corners of the frame and provided with fixed slotted parts for passing down over and engaging a headed pin at the lower end of each pole.

1,463,268. FIREPROOF TANK. WILSON SYLVESTER HUFF, Oklahoma, Okla. Filed July 21, 1919. Serial No. 312,188. 13 Claims. (Cl. 220—26.)



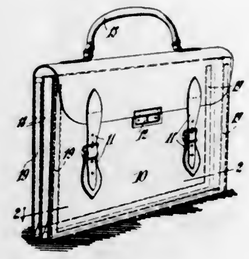
11. A tank comprising a liquid container, a float adapted to be supported on the surface of the liquid, means providing a joint mounted on the float, the free side of said means slidably engaging the container wall and thus forming a pocket, said pocket containing a substance acting by its weight to maintain the said free side in wiping engagement with the tank wall.

1,463,269. GEAR-ASSEMBLING DEVICE. CLARENCE A. JOHNSON, Luther, Okla. Filed Dec. 14, 1920. Serial No. 430,633. 7 Claims. (Cl. 29—89.)



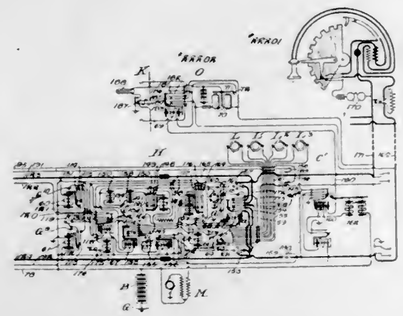
1. A gear assembling device including a frame, and means carried thereby for locking against rotation temporarily assembled gears confined by said means.

1,463,270. BRIEF CASE. SAMUEL H. LIFTON, Brooklyn, N. Y. Filed Nov. 13, 1922. Serial No. 600,577. 1 Claim. (Cl. 190—43.)



A brief case having a front wall, and a back wall provided with a flap overlapping the upper margin of the front wall, folding gussets secured at their edges to the edges of said walls by a row of stitching, a flat reinforcing band conforming in contour to that of the inner margin of said walls arranged within said case back of said inner margins, and a strip covering said band having one edge interposed between the edges of said gusset and walls and secured thereto by said row of stitching, and having its other edge stitched to the wall adjacent to said edge.

1,463,271. PARTY-LINE TELEPHONE SYSTEM. TALBOT G. MARTIN, Chicago, Ill., assignor to Automatic Electric Company, Chicago, Ill., a Corporation of Illinois. Filed Mar. 1, 1910, Serial No. 546,582. Renewed Sept. 20, 1916. Serial No. 121,313. 39 Claims. (Cl. 179—17.)

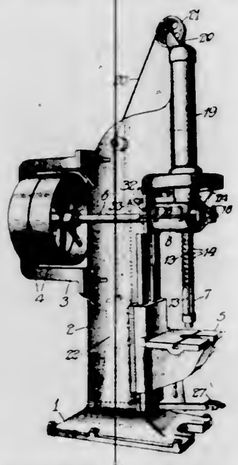


7. An a telephone system, a line, a plurality of substations on said line, means for selectively signaling the subscribers on said line, and a manual switchboard provided with means for receiving the signal when the call is for a subscriber whose telephone has been taken out or discontinued.

1,463,272. POWER PRESS. FREDERICK H. RAGAN, Detroit, Mich. Filed Aug. 12, 1921. Serial No. 491,703. 17 Claims. (Cl. 29—85.)

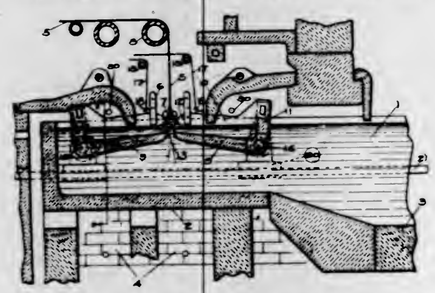
2. A power press including a longitudinally movable ram, means for rotating the ram, and a control member, said member being mounted upon the ram and capable of

rotary movement therewith and having means whereby it may be held stationary at the will of the operator, said ram and control member having cooperating parts whereby



the ram is moved longitudinally slowly in one direction for feeding purposes when such member is held stationary and is permitted to move rapidly in the opposite direction.

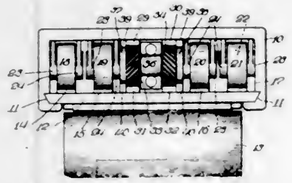
1,463,273. DRAWING CONTINUOUS SHEET GLASS. LEONARD D. SOUBIER, Toledo, Ohio, assignor, by mesne assignments, to The Libbey-Owens Sheet Glass Company, Toledo, Ohio, a Corporation of Ohio. Filed May 28, 1921. Serial No. 473,535. 11 Claims. (Cl. 49—17.)



2. In a sheet glass drawing apparatus, a tank containing molten glass, means for drawing a sheet of glass therefrom, a container within the molten glass for segregating that portion of the glass from which the sheet is drawn, the container being divided, substantially in the plane of the glass sheet, into two similar sections, and means for bodily moving the sections toward and from one another to vary the width of the passage therebetween.

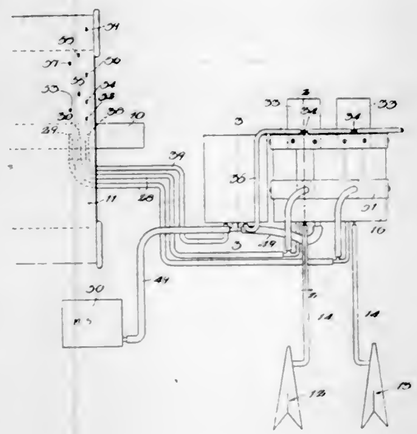
1,463,274. MOUNTING AND OPERATING MECHANISM FOR RECIPROCATING BEDS OF PRINTING PRESSES. BURT D. STEVENS, Evanston, and EDWARD F. DUDLEY, Oak Park, Ill., assignors to Miehle Printing Press and Manufacturing Company, Chicago, Ill., a Corporation of Illinois. Filed Mar. 3, 1921. Serial No. 449,529. 2 Claims. (Cl. 101—282.)

1. In a printing-press, the combination of a frame, a printing-form bed mounted for reciprocation in guideways in said frame, an impression-cylinder cooperating with said bed, means to reciprocate said bed comprising a pair of stationary racks with oppositely-inclined teeth mounted on said frame, a pair of similar racks fixed to and slidable with said bed, a pair of spiral gears secured together and each in mesh with one of each of said pairs of racks, means to effect the reciprocation of the bed by causing the bodily travel of the gears along the station-



ary racks, pitch-plane tracks in register with said racks, pitch-circle rollers registering and rigid with said gears and adapted to travel on said tracks to assure proper meshing of the gears and racks, and a plurality of backing-up rollers co-acting with the rear of said bed to relieve said guideways from at least a part of the strains imposed on the bed, substantially as described.

1,463,275. PNEUMATIC CONTROL DEVICE FOR PLAYER PIANOS. ORMOND EDGAR WALL, Honolulu, Territory of Hawaii. Filed Mar. 23, 1921. Serial No. 454,663. 3 Claims. (Cl. 84—48.)



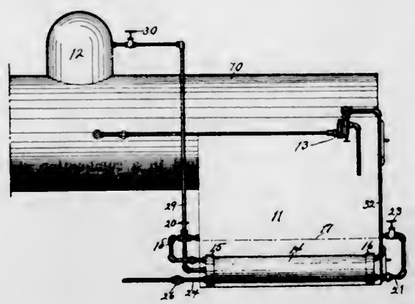
2. In a player action having pneumatics for operating movable parts thereof, note sheet controlled means for independently collapsing said pneumatics, a valve for each pneumatic shiftable into closed position upon the collapse of said pneumatic to hold the same in collapsed position, tripping pneumatics for shifting the said valves to open position, note sheet controlled connections for simultaneously actuating the several tripping pneumatics, and means for normally holding each of the atmospheric valves during operation in open position until its respective operating pneumatic is collapsed.

1,463,276. ROAD SIGN. DALE WARREN, Sweetwater, Tex. Filed July 12, 1922. Serial No. 574,391. 11 Claims. (Cl. 40—145.)



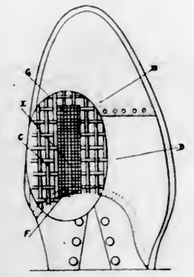
3. A road sign, consisting of an automobile tire casing, and supporting and bracing means extending within said casing consisting of a post and one or more cross members, said post passing through a hole cut in the casing.

1,463,277. MUD DRUM. JACOB G. WHITLATCH and OSCAR R. WILLIAMSON, Iowa Falls, Iowa. Filed Oct. 14, 1920. Serial No. 416,869. 2 Claims. (Cl. 122—397.)



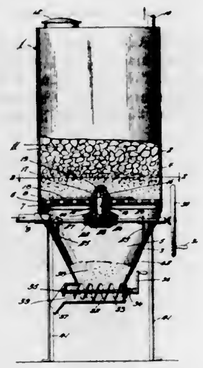
1. The combination with a steam boiler of a mud drum located below the lowermost water line therein, valve controlled communications between opposite ends of said mud drum and said boiler adjacent to the lowermost water line thereof, said communications differing in altitude in respect to opposite ends of said drum, means for raising the temperature of water in the mud drum consisting of a steam coil located within said drum, a steam dome on the boiler, a valve controlled pipe communicating between said dome and one end of said coil, a return steam pipe communicating between the opposite end of said coil and said boiler at a point below the dome thereof, and means of discharge from said mud drum.

1,463,278. SHOE. JOHN DAVID YEAGER, Philadelphia, Pa. Filed Nov. 19, 1921. Serial No. 516,447. 1 Claim. (Cl. 36—55.)



A shoe comprising a vamp, a vamp lining and a strip of fabric, glazed on both sides, extending over the top of the foot between the vamp and lining and between the vamp throat seam and the tip seam, secured at the former and free at the latter.

1,463,279. METHOD OF DRYING GASES. EDWIN H. ARNOLD, Coventry, and WILLIAM T. WAKEFORD, Providence, R. I., assignors to The Nitrogen Corporation, Providence, R. I., a Corporation of Rhode Island. Filed Nov. 9, 1921. Serial No. 514,087. 11 Claims. (Cl. 183—118.)

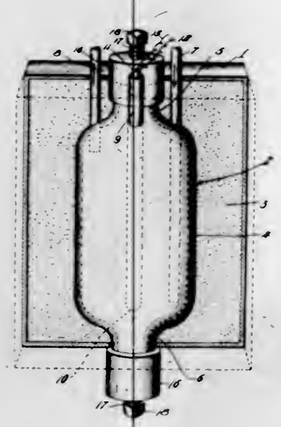


1. The method of drying gases which comprises, passing the gases under low pressure into a chamber provided with a perforated wall and then upwardly through said perforated wall and into a second chamber where the said gases pass into contact with drying material contained in said second chamber, contamination of said gases by contact with the air while in said chambers being prevented by maintaining a constant supply of said drying material in comminuted form in said first named chamber.

1,463,280. AMMONIA SYNTHESIS AUTOCLAVE. EDWIN H. ARNOLD, Coventry, and WILLIAM T. WAKEFORD, Providence, R. I., assignors to The Nitrogen Corporation, Providence, R. I., a Corporation of Rhode Island. Filed Nov. 9, 1921. Serial No. 514,088. 12 Claims. (Cl. 23—21.)

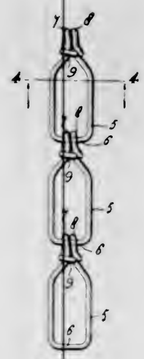
9. An ammonin synthesis autoclave comprising a body portion formed of a single metallic shell provided with

oppositely located openings, means for placing the interior of said autoclave under pressure, and inde-



pendently removable closures for said openings whereby the charge may be removed from said autoclave by the combined influence of gravity and pressure.

1,463,281. WIRE CHAIN LINK. ANDREW LANGSTAFF JOHNSTON, Jr., Richmond, Va., assignor, by mesne assignments, to Off N'On Chain Corporation, New York, N. Y., a Corporation of Delaware. Filed June 11, 1920. Serial No. 388,287. 3 Claims. (Cl. 59—92.)



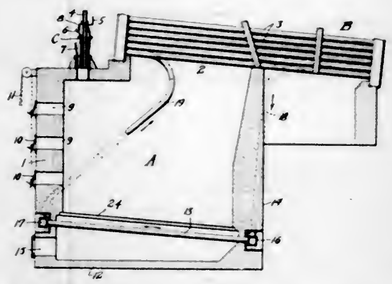
1. A chain link made of an integral length of stock having its free ends terminating in adjacent eyes, the stock forming said eyes being bent over in opposite directions, the end portions of the stock being bent transversely of the link adjacent the base of the eyes and terminating inwardly of the outside faces thereof with their extremities protected by said eyes and the inside faces of the eyes being in close contact throughout.

1,463,282. WIRE CHAIN LINK. ANDREW LANGSTAFF JOHNSTON, Jr., New York, N. Y., assignor, by mesne assignments, to Off N'On Chain Corporation, New York, N. Y., a Corporation of Delaware. Filed Dec. 8, 1920. Serial No. 429,072. 4 Claims. (Cl. 59—92.)



1. A chain link comprising a strand of material bent to form an elongated loop, the ends of said strand being separately looped in directions opposite to each other to form contiguous coils, and each end being bent to encircle the necks of both said coils.

1,463,283. METHOD OF BURNING PULVERIZED FUEL. HENRY KREISINGER, Pittsburgh, Pa., assignor to Combustion Engineering Corporation, a Corporation of New York. Filed Oct. 22, 1920. Serial No. 418,640. 9 Claims. (Cl. 110—28.)

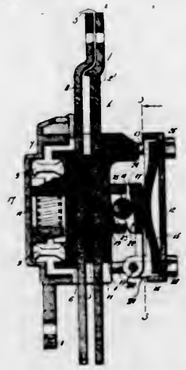


1. The process of burning fuel in a combustion chamber which consists in admitting, igniting and burning the fuel within such chamber, and in creating and maintaining a cooling zone in such chamber, intermediate the flame and a recipient defining surface of such chamber, through which zone refuse particles leaving the flame in regular substantially continuous operation pass toward such surface and which zone is cooled and maintained cool enough to cool such refuse particles while in suspension below the point of coalescence by the indirect action of a cooling medium.

1,463,284. SHOCK ABSORBER. JAMES S. LANG, Watertown, Mass. Filed Jan. 8, 1921. Serial No. 435,936. 1 Claim. (Cl. 188—129.)

In a shock absorber, the combination comprising a friction blade, a friction shoe arranged to engage said blade, a carrier for the shoe with relation to which the shoe is retained to have a limited endwise movement, a keeper fixed to the carrier and occupying a position spaced from the outer side of said shoe, a tension member interposed between said keeper and said shoe adapted when actuated to exert pressure for pressing said shoe

against said blade, a bearing movable with said tension member, means for pivotally supporting said bearing, a bearing on said shoe, and a member interposed between said bearings, said bearings and interposed member presenting surfaces co-operating with one an-



other whereby said interposed member may have a determinate rolling contact with said bearings during the endwise movement of said shoe relatively to the carrier and simultaneously with such rolling contact said bearings be displaced laterally in relation to one another for actuating said tension to exert pressure as aforesaid.

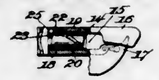
1,463,285. RULING PEN. EMIL LAWRENZ, Detroit, Mich. Filed July 19, 1922. Serial No. 576,039. 2 Claims. (Cl. 120—109.5.)



2. In a ruling pen, a pair of blades rigidly connected at their inner ends and having alined apertures, a bolt extending through the apertures in the blade and a nut on the outer end of the bolt, said nut consisting of an inner conical part threaded on the bolt and tapering toward the adjacent blade and an outer part having a conical recess to receive the inner part and adapted to turn the same when the parts are in engagement, said outer part of the nut being provided with a series of graduations to indicate its angular movements.

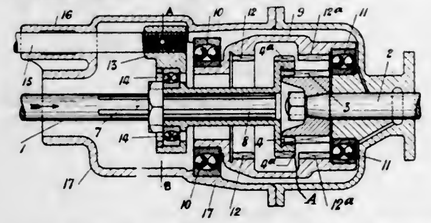
1,463,286. SHUTTLE. VICTOR LEDOUX, New Bedford, Mass., assignor to Hopedale Manufacturing Company, Milford, Mass., a Corporation of Massachusetts. Filed Sept. 8, 1919. Serial No. 322,454. 3 Claims. (Cl. 139—223.)

1. A thread block for self-threading shuttles having, in combination, a longitudinal thread passage, means for guiding the thread to the delivery eye of the shuttle, and a scroll in the longitudinal thread passage in substantial alignment with the axis of the bobbin comprising a band of material length having its upper side edge overlapping the lower side edge and spaced a short distance therefrom, and a guard overhanging said upper side edge and extended downwardly from one wall of the



thread passage in the same direction as said upper side edge of the scroll, whereby during the threading operation the thread is guided downwardly and caused to pass around the upper side edge and thence over the lower side edge into the scroll.

1,463,287. VARIABLE-SPEED GEAR. JOHN ALEXANDER MILLER and WILLIAM DOUGLAS MILLER, Brighouse, England. Filed Nov. 5, 1921. Serial No. 513,098. 4 Claims. (Cl. 74—58.)



1. An auxiliary gearing comprising a drive shaft, a driven shaft normally aligned therewith, a sleeve slidable on the drive shaft, a pinion carried by the sleeve, a carrier in which said sleeve is mounted to revolve, said carrier being mounted for rectilinear and oscillating movement, a pinion on the driven shaft adapted to mesh with the first mentioned pinion in the aligned position of the shafts, means for actuating said carrier to dispose the drive shaft and the pinion thereon in a position out of alignment with the driven shaft, and an intermediate gear element having drive connection with the said driven shaft and adapted to mesh with the gear on the drive shaft in the nonaligned position of the shafts.

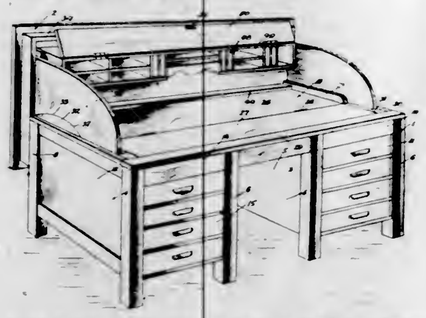
1,463,288. MUSIC CUE SHEET FOR MOTION PICTURES. MOSES J. MINTZ, New York, N. Y. Filed Mar. 30, 1922. Serial No. 548,094. 5 Claims. (Cl. 283—47.)



1. A music cue sheet for motion pictures, provided with an imprint of a partial musical strain for respec-

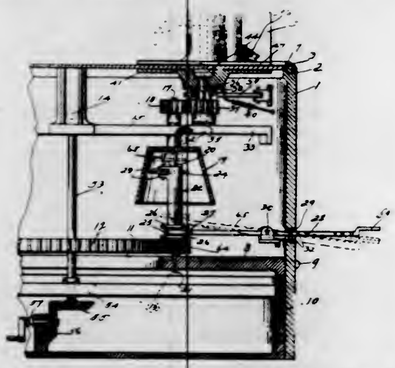
tive scenes or actions of the picture and an imprint of a main musical composition serving as the theme for the picture.

1,463,289. CONVERTIBLE DESK. ALEXANDER MITCHELL, Pueblo, Colo., assignor of one-half to Sam Dobin. Filed July 23, 1921. Serial No. 487,081. 9 Claims. (Cl. 45—6.)



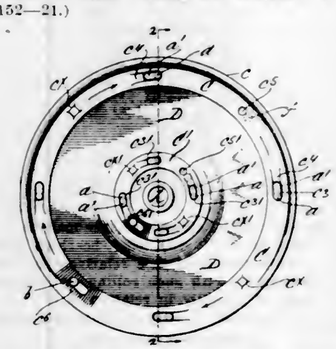
1. In a convertible desk, a body, a fixed top thereon comprising a stationary section and a section movable to position in the same plane as the stationary section or to position overlying the stationary section, a bodily shiftable top movable to occupy a horizontal position resting upon the affixed top or to occupy an upright position at the rear of the body, and a cabinet structure upon the under side of the shiftable top arranged to occupy the space vacated by the movable section of the stationary top when the shiftable top is in horizontal position.

1,463,290. AMUSEMENT DEVICE. HARRY G. MOULDER, Kansas City, Mo. Filed Nov. 13, 1922. Serial No. 600,621. 2 Claims. (Cl. 46—56.)



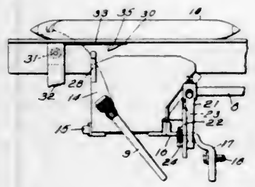
1. An amusement device, comprising a housing member, a plate mounted on the upper end of said housing member and having a circular series of circular openings therein, a pivotally mounted disk wheel bearing upon its upper face a circular series of words or marks, a detent wheel associated with said disk wheel, a yielding pivotally mounted lever having a detent in engagement with said detent wheel to normally hold said disk wheel in position to present the circular series of words or marks thereon to the circular series of openings in said plate, a pinion associated with said disk wheel, a revolubly mounted shaft provided with a gear wheel enmeshed with said pinion and with a bell shaped member, a revoluble slidingly mounted clutch member vertically aligned with said shaft, said clutch member comprising a body portion provided with a horizontally disposed pivoted lever adapted to be turned by centrifugal force to impinge upon the inner side of the bell shaped member, a spool associated with said clutch member, a pivotally mounted lever having a yoke engaging said spool to raise and lower said clutch member, a pinion associated with said clutch member, a revolubly mounted spur gear wheel enmeshed with said last mentioned pinion, and power receiving and power imparting devices for driving said spur gear wheel and thereby impart motion to said clutch member.

1,463,291. MEANS FOR SECURING TIRES TO VEHICLE WHEELS. JAMES M. MUNDY, Brooklyn, N. Y. Filed Oct. 7, 1920. Serial No. 415,425. 1 Claim. (Cl. 152—21.)



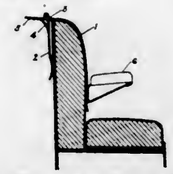
A wheel of the character designated, comprising a spoke disc formed with a flanged peripheral felloe rim and a fulcrum hole in its face, a flanged annular clamping plate fitted to the face of the spoke disc and formed with a pry hole positioned with relation to the aforesaid fulcrum hole in the spoke disc and also formed with a plurality of elongated concentric slots, shouldered attachment lugs protuberant from the face of said spoke disc and fitting in said elongated concentric slots in the annular clamping plate, the contactual surface engagement between said shouldered attachment lugs and the outer face of said annular clamping plate being wedgeable, and means for locking said annular clamping plate and shouldered attachment lugs on the spoke disc in wedged relationship, for the purpose described.

1,463,292. FEELER LOOM. JONAS NORTHROP, Hopedale, Mass., assignor to Hopedale Manufacturing Company, Milford, Mass., a Corporation of Massachusetts. Filed May 26, 1917. Serial No. 171,129. 5 Claims. (Cl. 39—255.)



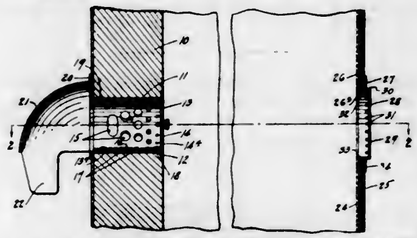
1. A thread extracting device for automatic looms having, in combination, a rock shaft, a tilting bobbin chute, connections between the rock shaft and the bobbin chute whereby the latter is held in inoperative position during regular weaving and moved to operative position upon an oscillation of the rock shaft, and a thread hook on the lay, the tilting bobbin chute being constructed and arranged to engage a filling end extending from the ejected bobbin through the shuttle eye, and upon being tilted back into its inoperative position to positively carry the filling to the mouth of the thread hook to effect a positive engagement therewith.

1,463,293. DETACHABLE ARMREST FOR AUTOMOBILES OR THE LIKE. LAWRENCE S. PADDOCK, Philadelphia, Pa. Filed July 1, 1922. Serial No. 572,161. 6 Claims. (Cl. 296—1.)



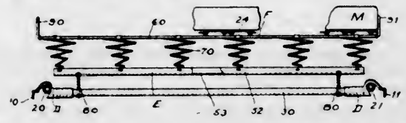
1. In an article of the class described, in combination, a carrying member having front and rear portions adapted to slip over and grip the back of a seat, said rear portion being adjustable on said front portion and a freely removable arm support attached to said front portion thereof.

1,463,294. VENTILATING APPARATUS FOR PULLMAN CARS. ELIZABETH A. ROBINSON, Scranton, Pa. Filed Feb. 25, 1922. Serial No. 539,193. 7 Claims. (Cl. 98—22.)



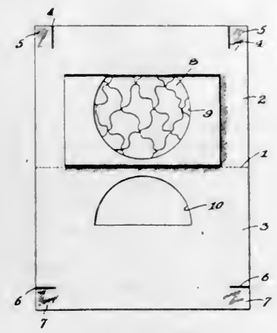
1. In a vehicle ventilator, the combination with a side wall of the vehicle having an opening formed therein, of a tube mounted within the opening, a regulator mounted within the tube for controlling the passage of air therethrough, and means stationary with respect to the vehicle wall disposed exteriorly of the vehicle, including a deflector directing air into the opening during movement of the vehicle in one direction, and a second deflector directing air into the opening during movement of the vehicle in the opposite direction.

1,463,295. AUXILIARY SPRING ATTACHMENT FOR SPRING BED BOTTOMS. SAMUEL ROSENBLOOM, Lowell, Mass. Filed Nov. 17, 1922. Serial No. 601,627. 4 Claims. (Cl. 5—229.)



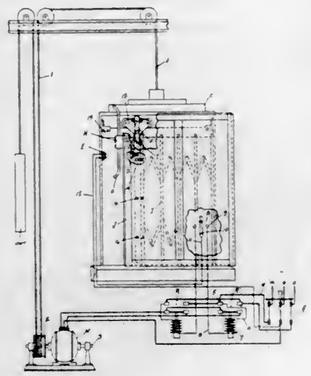
1. The combination with a bed having side rails and a spring bed bottom having side bars, of an auxiliary spring attachment including parallel spacing bars having guide rod holes and adjusting slots, supporting dogs slidable on said spacing bars and having bolt holes which register with the adjusting slots and jaws which engage the side bars, the upper jaw having a nose which engages a side rail, adjusting bolts which pass through said bolt holes and adjusting slots, winged nuts for said adjusting bolts, adjustable guide rods which extend from the rigid bottom frame downwardly and pass through the rod holes in the spacing bars, auxiliary compression springs each surrounding a guide rod between a spacing bar and the bottom frame, a top frame bent up at each side to form a mattress holder, and helical springs carried by the bottom frame and supporting the top frame so positioned as to form a hollow rectangle.

1,463,296. RECEPTACLE. HARRY SIMON, New York, N. Y., assignor to Sitroux Importing Company, Inc., a Corporation of New York. Filed June 14, 1921. Serial No. 477,419. 2 Claims. (Cl. 206—46.)



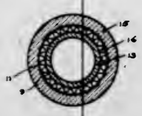
1. A receptacle of the class described including a strip folded lengthwise, intermediate of its ends to form a receptacle, an auxiliary receptacle disposed between the folded portions of the main receptacle, said auxiliary receptacle having an opening to disclose the contents thereof, the main receptacle being provided with an opening upon one side whereby to display the contents of the auxiliary receptacle and interengaging means for detachably securing the ends of the strip to retain the side walls thereof in a folded position and whereby to retain the auxiliary receptacle in position within the main receptacle.

1,463,297. SAFETY DEVICE FOR ELEVATOR CARS. HERBERT S. SNEAD, Montclair, N. J., assignor to Otis Elevator Company, Jersey City, N. J., a Corporation of New Jersey. Filed Jan. 12, 1922. Serial No. 528,590. 11 Claims. (Cl. 187—31.)



9. In an elevator the combination of the elevator car, an electric hoisting motor, a car gate, a cam on the car affixed to the car gate and having two camming surfaces, a shaft door and a cam thereon, an electrical switch mounted on the car and in the controlling circuit of the motor, adapted to be closed by the car gate when closed, the cam on the car adapted to strike by either of its camming surfaces, in the travel of the car, the cam on the shaft door and result in camming the car gate open and the opening of the switch on the car to stop the car.

1,463,298. COVERING FOR BOILERS, PIPES, AND THE LIKE. EDWARD SPICER, Vancouver, British Columbia, Canada. Filed Nov. 23, 1921. Serial No. 517,301. 6 Claims. (Cl. 154—45.)



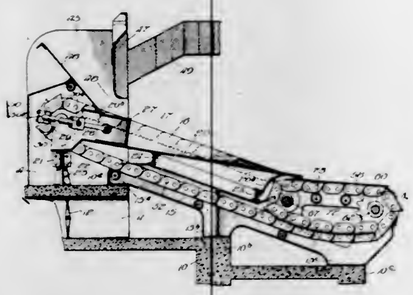
1. A covering for boilers comprising a layer of heat insulating material laid directly on and wrapped tightly around the boiler shell of a thickness designed to prevent heat radiation from the shell, flexible corrugated bands wrapped around said layer with the corrugations disposed longitudinally of it, and a metal casing surrounding the boiler and spaced from the heat insulating layer by the bands, said casing being capable of being tightened whereby the layer is frictionally held to the boiler shell and the layer, bands, and casing frictionally held one to the other.

1,463,299. BALL CAGE FOR RADIAL BALL BEARINGS. EMIL STAAKE, Gottenborg, Sweden, assignor to Aktiebolaget Svenska Kullagerfabriken, Gottenborg, Sweden, a Corporation of Sweden. Filed Sept. 10, 1921. Serial No. 499,781. 4 Claims. (Cl. 64—59.)



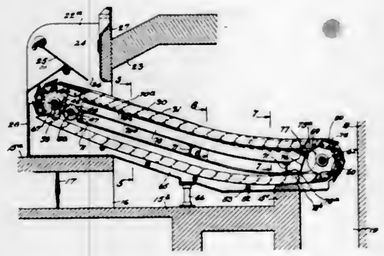
4. A ball cage for ball bearings comprising opposing rings adapted to receive the balls between them, and lugs on one of the rings extending through holes in the other ring and engaged fixedly therewith to hold the rings together, said lugs consisting of portions of the ring separated from the metal thereof wholly between the edges of the ring and extending laterally to engage the other ring.

1,463,300. AUTOMATIC STOKER. LOYD R. STOWE, Maplewood, Mo. Filed June 16, 1919. Serial No. 304,534. 3 Claims. (Cl. 110—40.)



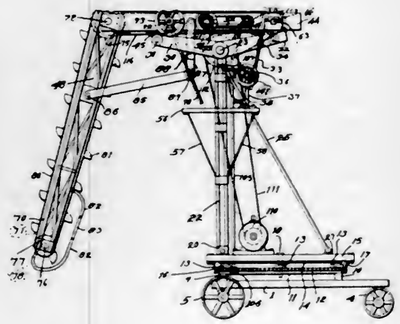
1. The combination in a stoker of spaced grate chains inclined downwardly at their forward portions, feeding troughs, pusher members coacting therewith, said troughs being mounted between said spaced chains and having the sides thereof tapered to accord with the inclination of said chains, and substantially horizontal endless chains located at the extremity of each of said troughs between said first named chains adapted to retard the movement of the fuel at the forward end of the stoker.

1,463,301. STOKER. LOYD R. STOWE, Maplewood, Mo. Filed July 17, 1919. Serial No. 311,455. 16 Claims. (Cl. 110—40.)



1. The combination in a stoker of a grate comprising two series of grate chains, the upper surface of the chains of one series lying in a plane different from the plane of the upper surface of the chains of the other series, the chains of one series being arranged to alternate laterally across the grate with the chains of the other series.

1,463,302. CAR UNLOADER. FLOYD E. TOWNSEND, Berkeley, Calif., assignor of one-half to E. G. Palmer, San Francisco, Calif. Filed Nov. 29, 1920. Serial No. 426,913. 5 Claims. (Cl. 198—118.)

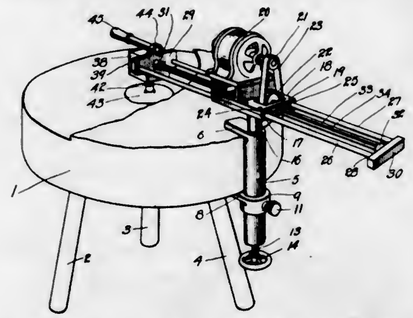


1. An apparatus of the character described comprising a truck, supporting posts carried thereby, a tilting frame, arms carried by said frame and movable parallel to its axis, means for tilting the frame, means for moving said arms, a swinging elevator leg supported by said arms, an elevator chain carrying buckets passing around said swinging elevator leg, means to adjust the position of the elevator leg and means to operate the elevator buckets independently of the adjusting mechanism.

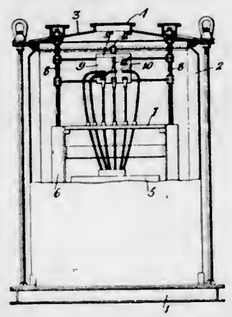
1,463,303. SURFACING MACHINE. CHARLES T. ADAIR and CARL G. FREDERICK, Kansas City, Mo. Filed Mar. 31, 1922. Serial No. 548,306. 4 Claims. (Cl. 144—2.)

1. A surfacing machine comprising a base, means for clamping the base to the work to be surfaced, a plate having a swivel mounted in the base, a second plate fastened to the first plate, an arm comprising a skeleton frame consisting of side bars and end bars, the side bars being slidable in grooves in the two plates, a shaft journaled in the end bars and slidable between the two plates, the

shaft having a longitudinal groove, a pulley mounted in the plates and having a keyed connection with the groove in the shaft, a motor carried by one of the plates, a driving connection between the motor and the pulley, and a saw carried by one of the end bars and in driving connection with the shaft.



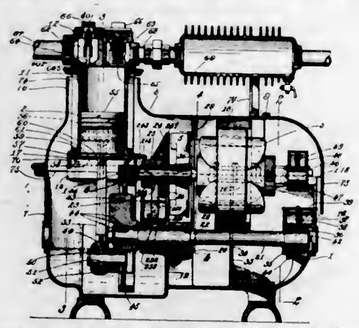
1,463,304. TRANSFORMER-CONTROLLING MEANS. ROBERT V. BINGAY, Pittsburgh, Pa., assignor to Pittsburgh Transformer Company, a Corporation of Pennsylvania. Filed Feb. 20, 1922. Serial No. 537,743. 3 Claims. (Cl. 175—356.)



1. The combination of a transformer, an enclosing casing, leads from the windings of said transformer, sets of contacts within said casing in alinement with each other to which said leads are connected, a support having guiding means in alinement with each set of contacts, and a rod or rods adapted to engage said guiding means and engage said contacts.

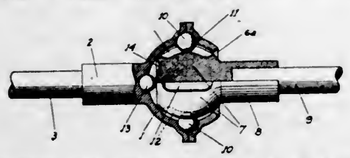
1,463,305. PUMPING APPARATUS. SAMUEL DUNCAN BLACK and ALONZO GALLOWAY DECKER, Baltimore, Md., assignors, by mesne assignments, to The Maryland Trust Company, trustee, a Corporation of Maryland. Filed July 23, 1919. Serial No. 312,784. 6 Claims. (Cl. 230—6.)

1. A pumping apparatus consisting of a pumping cylinder, a piston, a crank and a crank shaft, a motor, means connecting the motor to the pump crank shaft to drive the same, suitable bearings for said parts, a fan connected to said members to move therewith, a casing enclosing said members, the casing having an opening adjacent one end to admit air and having a transverse partition near said end with an aperture in which the motor is set, the fan being immediately in line with said opening beyond the motor, a turret in the casing open at one end, the pump cylinder being set in the turret with the opening encircling the cylinder near the head, the fan having the effect of drawing a current of air in at the opening at one end, passing it in contact with the



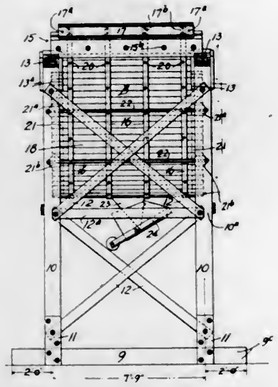
bearings through the motor to the fan and delivering it so that it sweeps the pump cylinder, passing out through the openings at the end of the turret.

1,463,306. UNIVERSAL JOINT. CHARLES L. BUSHNELL, Vacaville, Calif. Filed Apr. 15, 1922. Serial No. 553,119. 1 Claim. (Cl. 64—91.)



A universal joint comprising a primary ball and socket arranged in co-operative position, a secondary socket in the bottom of the primary socket, a single ball seated in said secondary socket, the primary ball having a square head intercepted by a groove shaped to present a curved abutting surface against the secondary ball, the curvature of said surface and secondary ball being the reverse with respect to each other, and ball bearing driving connections between the primary ball and socket.

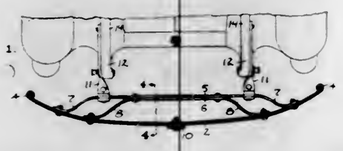
1,463,307. STORAGE BIN. JOHN P. CASE, Chicago, Ill., assignor to The Brown Hoisting Machinery Company, Cleveland, Ohio., a Corporation. Filed June 7, 1922. Serial No. 566,526. 5 Claims. (Cl. 20—1.2.)



1. A knockdown storage bin made up of the combination of a supporting frame, oppositely related bin-sustaining girders mounted thereon, a series of downwardly

extending substantially parabolic-shaped bar-members removably suspended from said girders, and a series of scantling-like members, fastened together side by side, upon the bottom and sides of said bar-members and crosswise of the same, substantially as shown and described.

1,463,308. SPRING FENDER OR BUMPER. WILLIAM G. COX, Cleveland, Ohio. Filed Apr. 20, 1923. Serial No. 633,445. 8 Claims. (Cl. 293—55.)

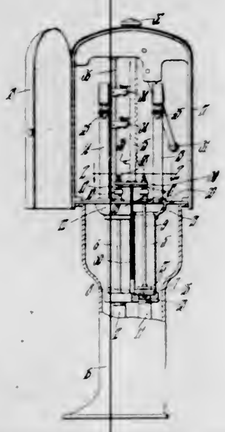


1. A flexible fender or bumper for a vehicle, comprising a pair of striking members made of spring band metal, and a pair of brace springs secured together intermediate their ends and having offset extremities engaging the opposite ends of said striking members.

1,463,309. DEODORIZING AND IMPROVING THE QUALITY OF CREAM AND BUTTER FAT. ELMER M. DAVIS, Chicago, Ill., assignor to Swift & Company, Cook County, Ill., a Corporation. Filed Sept. 6, 1922. Serial No. 586,528. 7 Claims. (Cl. 99—11.)

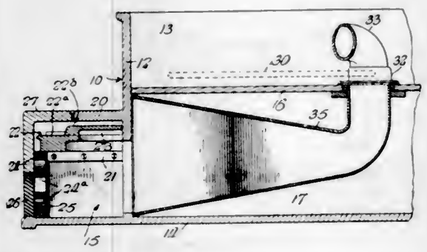
1. Method of deodorizing cream and butter fat, which comprises beating the same in admixture with regulated amounts of a diluent, to a temperature of from about 170° to about 210° F., violently agitating the same by directing therethrough rapid current of finely divided air, and continuing the heating and the agitation until a considerable portion of the moisture has been removed by evaporation and desired deodorization has been effected, substantially as described.

1,463,310. DISPENSING PUMP. JOHN B. DAVIS, Springfield, Mass., assignor to Gilbert & Barker Manufacturing Company, West Springfield, Mass., a Corporation of Massachusetts. Filed July 18, 1921. Serial No. 485,502. 7 Claims. (Cl. 103—11.)



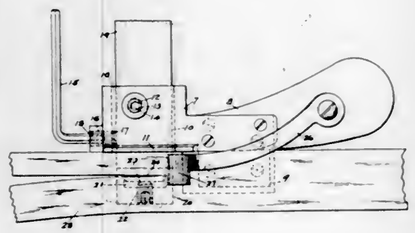
1. In a dispensing pump, the combination with a single reciprocable pump-actuating means, of a plurality of pump cylinders, a piston and piston rod for each cylinder, and a single member carried by the first named means and movable to engage with any one of said rods to connect the same to said actuating means.

1,463,311. PHONOGRAPH. BENJAMIN H. DIETZ and ALBERT E. HANSEN, Chicago, Ill. Filed May 21, 1921. Serial No. 471,384. 3 Claims. (Cl. 274—2.)



1. A phonograph, comprising a piano-like casing having a dummy keyboard provided with openings therein, a sound reproducing mechanism in the casing spaced from the keyboard, and means providing a sound chamber leading from the sound reproducing mechanism and terminating at the keyboard.

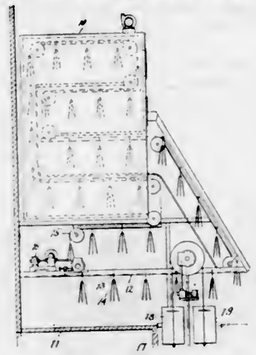
1,463,312. LEATHER CUTTER. THOMAS M. DILLINGER, Portland, Oreg. Filed Mar. 22, 1922. Serial No. 545,882. 3 Claims. (Cl. 164—36.)



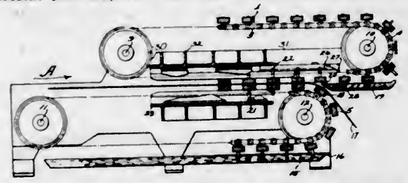
1. In a cutting device, the combination of, a frame having a transverse horizontal opening and a vertical guide face, a knife carrier extending through and slidable in said frame opening, the carrier having a vertical knife secured in same, a vertical set pin positioned in the frame to allow it to engage the carrier beyond the guide face and act as a pivot for the carrier, and a horizontal set pin positioned in the frame to allow it to engage the edge of the carrier and move same radially until the cutting edge of the knife is arranged along a path of travel in parallel alignment with the opposing guide face, and the two pins to secure the carrier rigidly in such position.

1,463,313. JAPANNING APPARATUS. DAVID F. DOMIZI, Cleveland, Ohio. Filed Apr. 15, 1920. Serial No. 374,188. 18 Claims. (Cl. 91—46.)

1. In an apparatus for japanning articles, a conveyor for the articles to be japanned, means for immersing the articles in a japanning solution comprising a pair of vertically movable receptacles beneath a portion of the conveyor, and means for raising and lowering said receptacles, said receptacles being connected so as to be simultaneously moved in opposite directions.

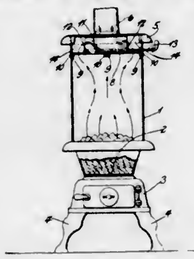


1,463,314. MACHINE FOR MAKING SHINGLES AND METHOD OF CLEANING AND LUBRICATING DIES. SILAS M. FORD, St. Paul, Minn. Filed Oct. 10, 1919. Serial No. 329,874. 11 Claims. (Cl. 164—28.)



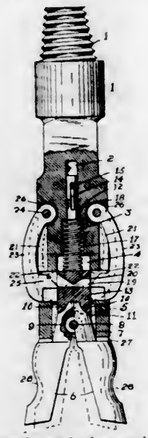
1. In a machine for making shingles through the operation of dies carried in travelling die bars, the combination with, a frame, of multiple die bars, a stationary guide for said die bars carried by the frame, and a spring mounted guide for said die bars likewise carried by said frame for holding said die bars firmly against the material to be operated upon, while passing between said guides and means for causing said die bars to travel with respect to said guides.

1,463,315. STOVE. RICHARD FUTRAL, St. Louis, Mo., assignor to St. Louis Stove Company, St. Louis, Mo., a Corporation of Missouri. Filed Sept. 11, 1922. Serial No. 587,346. 6 Claims. (Cl. 126—58.)



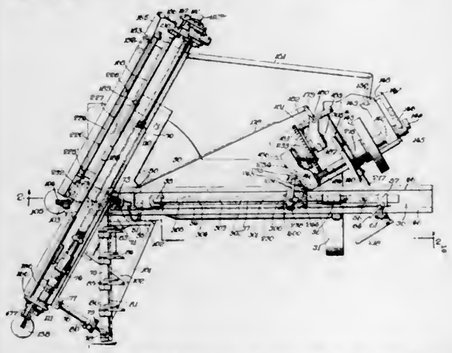
1. In a stove, the combination with a drum, of a grate, a top supported by the drum, a flue outlet from the top near the back thereof, a plate extending across approximately half of the drum near the top thereof thereby forming a compartment at the top of the combustion chamber, and a vertical plate connected with the front edge of said first-named plate, the ends of said last-named plate being spaced from the drum thereby forming outlet openings whereby the products of combustion are deflected at the top of the combustion chamber.

1,463,316. UNDERREAMER. CHARLES L. GIEBELL, Pennsboro, W. Va., assignor of one-half to Charles L. Dunham, Pennsboro, W. Va. Filed Sept. 18, 1922. Serial No. 588,793. 5 Claims. (Cl. 255—76.)



1. A reamer comprising a body portion having its lower end provided with a central bore, cutters having shanks extended into said bore, said shanks having interengaging means for pivotally connecting said cutters to the body portion, a spring actuated expander vertically shiftable in said bore and adapted to engage said shanks for expanding said cutters, said expander formed intermediate its ends with a transversely extending opening having one of its walls oppositely bevelled, and means movable towards and pivotally connected at the upper end to said body portion and having the lower end provided with inwardly extending tapered arms engageable in said opening to coact with said bevelled wall to elevate said expander to permit of the contraction of said cutters.

1,463,317. GRADUATING APPLIANCE. HANS N. HALVERSEN, Vineland, N. J., assignor to Kimble Glass Company, Chicago, Ill., a Corporation of Illinois. Filed Apr. 5, 1920. Serial No. 371,194. 24 Claims. (Cl. 33—21.)



1. In a graduating-appliance of the character described, the combination of means to support the body to be graduated, scriber means for marking graduation lines on said body, means for moving said body and scriber relatively to one another to provide the spaces between the lines, and means to automatically control said scriber means to

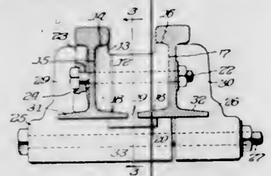
mark the lines on said body normally partway around the same but with certain of such lines extending entirely around the body, substantially as described.

1,463,318. REGISTER WALL GUARD. EDWARD G. HEARTICK, Louisville, Ky. Filed Jan. 9, 1922. Serial No. 527,859. 5 Claims. (Cl. 98—50.)



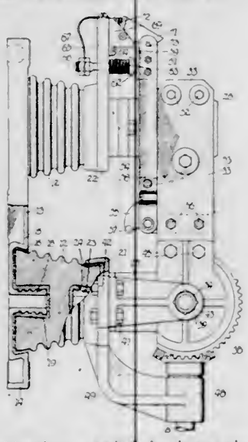
1. In a device of the kind described, a hood formed of a single piece of sheet metal having its central portion bent to arcuate shape and its ends slit and bent at right angles to the body to provide strips having their free ends overlapping, and means to hold said free ends in overlapping relation and the free ends on one side in fixedly spaced relation to the free ends on the other side.

1,463,319. GUIDE RAIL. CHARLES J. HOHMAN, Sr., Elmhurst, Ill. Filed Aug. 17, 1922. Serial No. 582,349. 4 Claims. (Cl. 238—21.1.)



1. A spacer block constructed to be arranged between a guard rail and another rail, said block being provided with a portion which engages the under side of said rails and provides a support for said rails, said block having means whereby a clamping element which engages said rails and has a portion which is disposed below said rails is held against movement ~~relatively~~ to said block.

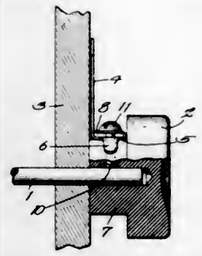
1,463,320. SWITCH. ERNEST H. JACOBS, Chicago, Ill., assignor to Electrical Engineers Equipment Company, Chicago, Ill., a Corporation of Illinois. Filed June 20, 1918. Serial No. 240,942. 38 Claims. (Cl. 200—48.)



17. In combination, a switch having a pivoted blade, a shaft for operating the blade, gears connecting the blade and the shaft, an angularly adjustable coupling connected in said shaft and a handle for the shaft.

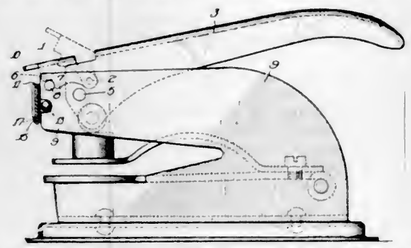
21. In a switch, a main movable member, a main contact, an auxiliary member, an auxiliary contact, means for separating the auxiliary parts and a positive latch member independent of the main switch parts for holding said parts in engagement until a predetermined position in the opening of the main member is reached.

1,463,321. INDICATING DEVICE. PETER G. JACOBSON, Chicago, Ill. Filed Aug. 30, 1922. Serial No. 585,279. 3 Claims. (Cl. 116—124.)



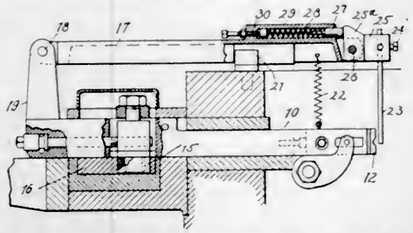
1. In an indicating device, the combination with a pointing arm formed of spring metal and having a base angular thereto and formed integrally therewith, this base having a continuation spaced apart from the base and forming a U-fold therewith; of a knob for carrying the pointing arm; a shaft carrying said knob; and a headed screw passing through the sides of the U-fold into holding engagement with said knob and in abutting engagement with a side of said shaft, the head of the screw engaging and pressing upon the free side of the fold.

1,463,322. SEAL-PRESS IDENTIFICATION. MARSHALL H. JACKSON, Chicago, Ill. Filed Feb. 26, 1923. Serial No. 621,226. 2 Claims. (Cl. 101—3.)



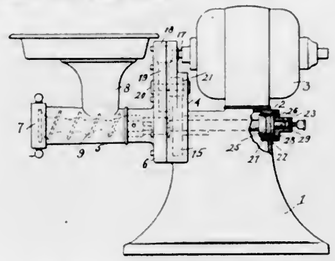
2. The combination with a seal press having an adjustable member projecting at the front of the frame, of a tag holder arranged at the front of the frame and cooperating with the adjustable member to retain the tag.

1,463,323. BLANK CARRIER FOR HEADING MACHINES AND THE LIKE. AUGUST W. JANSSON, Kent, Ohio, assignor to The Kent Machine Company, Kent, Ohio, a Corporation of Ohio. Filed Feb. 18, 1920. Serial No. 359,599. 7 Claims. (Cl. 10—25.)



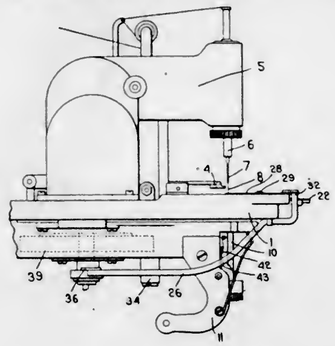
2. A carrier for use in connection with a reciprocating cutter and cutter bar comprising a carrier bar adapted to be supported on the cutter bar, a finger block pivotally supported on the carrier bar, a carrier finger supported by said block and a device yieldable in a direction lengthwise of the carrier bar and yieldingly resisting the movement of the block in one direction.

1,463,324. POWER-DRIVEN GRINDER. WILLIS E. KIDNEY, Cleveland, Ohio, assignor to The Cleveland Electric Machine & Mfg. Co., Cleveland, Ohio, a Corporation of Ohio. Filed Feb. 10, 1923. Serial No. 618,266. 3 Claims. (Cl. 146—182.)



1. A power driven grinder, comprising a supporting stand, a motor carried by said stand, a grinder casing detachably secured to the front end of said stand, a screw in said casing, a drive shaft for said screw extending through the supporting stand and journaled therein, said shaft being directly connected to said screw, said drive shaft having a reduced rear end portion providing a thrust shoulder, and said supporting stand having a bearing receiving recess at its rear end, gearing connecting said motor and shaft, and a removable thrust bearing upon the reduced rear end of said shaft and fitting within the recess at the rear end of the stand.

1,463,325. SEWING MACHINE. JOHN KIEWICZ, Boston, Mass., assignor to The Reece Button Hole Machine Company, Boston, Mass., a Corporation of Maine. Filed Apr. 27, 1920. Serial No. 376,951. Renewed Jan. 20, 1922. Serial No. 530,725. 7 Claims. (Cl. 112—255.)



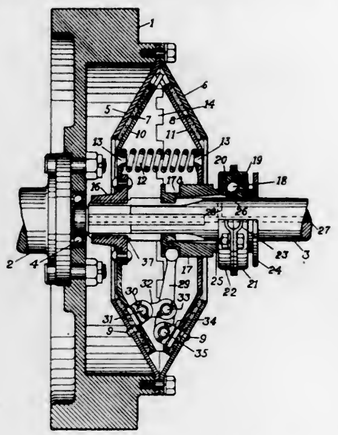
1. In a two-thread sewing machine of the type adapted to sew a short seam and then come to rest, the combination with a frame, of work-holding means carried thereby, means to give a feeding movement to the work-holding means, a rotary turret mounted in the frame and carrying the under-thread mechanism, a tension for the under thread carried by the turret, means to pull off a length of under thread through the tension at the end of each sewing operation, and means actuated thereby to release the tension on the under thread while such length is being pulled off.

1,463,326. DISPLAY SIGN. FRANK J. KRISTOFEK, St. Paul, Minn., assignor to Brown & Bigelow, St. Paul, Min., a Corporation of Minnesota. Filed Mar. 24, 1921. Serial No. 455,068. 2 Claims. (Cl. 40—125.)



2. A display sign comprising a sheet metal backing, a celluloid covering for said backing, supporting members formed integral with the ends of said backing, an inturned marginal edge formed about the body of said backing and edge of said supporting ends adapted to clamp the celluloid covering over the same and notches formed in said marginal edge adapted to form weakening means to allow the ends to fold backward to form supports for the body of said sign.

1,463,327. POWER-TRANSMISSION CLUTCH. OTTO LEROY LEWIS, Chicago, Ill. Filed Feb. 8, 1922. Serial No. 534,998. 2 Claims. (Cl. 192—70.)

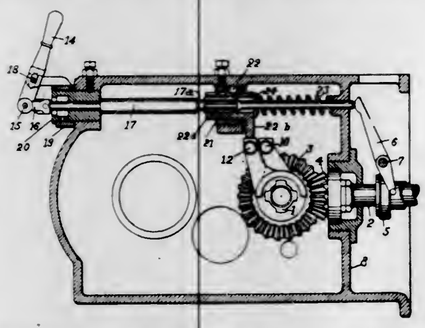


1. A power transmission clutch of the character described, including a driving member, a pair of dished plates attached to the driving member, friction linings attached to the inner surfaces of these plates, a pair of dished interlocking plates included between the friction linings and capable of making frictional driving contact with the same, springs for forcing the interlocking plates outwardly against the friction linings, a driven shaft, a hub concentric with the interlocking or driven plates and acting as a driver between the driven plates and the driven shaft, means for limiting the travel of the hub along the shaft, levers attached by hinge pins to one of the interlocking plates and by hinge pins through swinging links to the other interlocking plate, and means for operating said levers in a manner to permit or release the spring pressure between the interlocking plates.

1,463,328. GEAR-SHIFTING DEVICE FOR TRANSMISSIONS. OTTO LEROY LEWIS, Chicago, Ill. Filed Feb. 8, 1922. Serial No. 534,999. 4 Claims. (Cl. 74—37.)

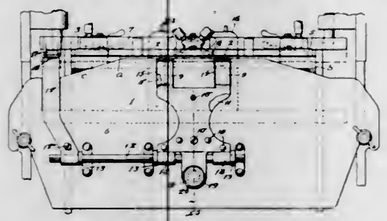
1. In an apparatus of the character described, a clutch release member operated by a plunger, a plunger capable of reciprocating and rotary movements, means for impart-

ing reciprocating and rotary movements to the plunger, a plurality of gear shifting members, means for imparting



movement to the gear shifting members by the rotary movement of the plunger, means for locking the gear shifting members in predetermined positions and relations.

1,463,329. INDIVIDUAL SHEET AND ENVELOPE SEPARATOR FOR PNEUMATIC FEEDERS. CHARLES HUGH MARTIN, Los Angeles, Calif. Filed Apr. 18, 1922. Serial No. 555,004. 12 Claims. (Cl. 271—61.)



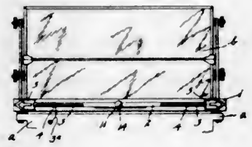
1. In a sheet separator, the combination with a barrier and pneumatic means adapted to lift a sheet from the top of a stack, and a spring operated tappet having a protuberance for loosening lifted sheets not in direct contact with the lifting means: of means operable by the lifting means to retract the protuberance from the path of the topmost sheet as it passes the protuberance, and adapted to allow the spring operated tappet to be returned to tap lifted sheets not in touch with the lifting means.

1,463,330. WATER-TREADING APPARATUS. HENRY MEYER, Detroit, Mich. Filed Sept. 26, 1922. Serial No. 590,569. 2 Claims. (Cl. 9—21.)



1. A water treading apparatus comprising a central hollow frame, footholds carried thereby, a plurality of buoyant elements attached to the ends of said frame, said buoyant elements decreasing progressively in diameter from the frame outwardly, means controlling the admission of air to said buoyant elements, sectional rails engaging the opposite sides of said elements, means at the point of said rails permitting breaking in one direction and holding rigidly in other directions, and means for detachably engaging the adjacent sections of said elements to said frame.

1,463,331. VEHICLE TURNING SIGNAL. HARRY MINER, Minneapolis, Minn. Filed Jan. 17, 1921. Serial No. 437,798. 4 Claims. (Cl 177—327.)



1. A signal device having in combination, a bar adapted to extend substantially across the body of an automobile adjacent to the wind shield, a signal arranged for illumination carried at each end of the bar, said bar having longitudinal slots formed therein, retaining means passing through said slots, and means for sliding said bar on said retaining means to project the signals at one side or the other of the automobile, a circuit making contact below and engaging said bar and spaced contacts carried by said bar adapted to be brought into engagement with said contact as the bar is moved to one side or the other.

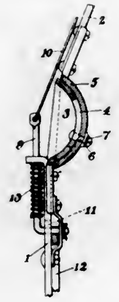
1,463,332. APPARATUS FOR APPLYING COATING. LEE H. PARKER, Boston, and HERBERT W. DAY, Wollaston, Mass., assignors to Spray Engineering Company, Boston, Mass., a Corporation of Massachusetts. Original application filed Oct. 9, 1920, Serial No. 415,737. Divided and this application filed Mar. 1, 1922. Serial No. 540,116. 7 Claims. (Cl. 91—45.)

5. Means for applying coating comprising means to supply coating material, means to subject the same to the action of compressed air or other motive agent, thereby effecting the discharge of the coating material and means to discharge compressed air or other motive agent at opposite sides of the discharge of coated material and in a plurality of jets at each of said opposite sides.

1,463,333. LEVER. WILLIAM L. PAUL, Berkeley, Calif., assignor to Deere & Company, Moline, Ill., a Corporation of Illinois. Filed Mar. 5, 1921. Serial No. 450,051. 4 Claims. (Cl. 74—39.)

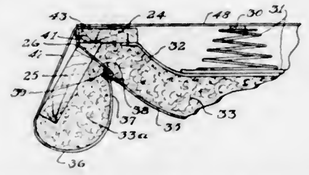
1. A lever composed of two parts and having one of said parts pivotally mounted on a support, means for

connecting the two parts together, said means including a spherical segment rigidly secured on the pivoted part,



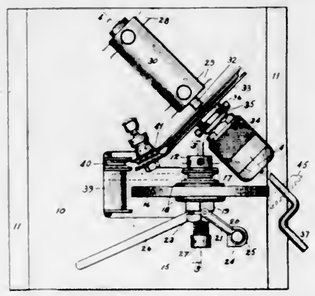
a spherical segment rigidly secured on the other part and superimposed on the first segment, and means to secure the segments together.

1,463,334. METHOD AND MEANS FOR MAKING UPHOLSTERED FURNITURE. DAVID POPKIN, Malden, Mass. Filed Aug. 23, 1922. Serial No. 583,786. 5 Claims. (Cl. 155—184.)



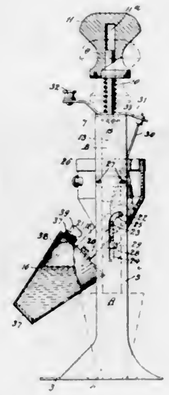
1. A frame structure, having wing members provided with openings therein, and a cover member for said frame structure provided with wing pockets therein for fitting said wing members, said cover member being further provided with anchoring tabs at the juncture of said wing pockets therewith which are adapted to be drawn through the openings of said wing members for anchoring purposes.

1,463,335. GRINDING MACHINE. OTIS F. PRESBREY, Brooklyn, N. Y. Filed Oct. 27, 1921. Serial No. 510,792. 1 Claim. (Cl. 51—105.)



The grinding machine hereinbefore described comprising a supporting bed plate, a rotary grinding wheel mounted thereon, means for manually moving said wheel during the rotation thereof along the line of its axis, a rotary self-closing chuck mounted on a tubular shaft at an angle to the peripheral face of said wheel and adapted to hold the work for presentation to said face, means for manually moving said chuck and its shaft along the line of the longitudinal axis thereof, and means for rotating said grinding wheel and chuck, the means for mounting said grinding wheel being a stationary axle held in a standard extending upwardly from said bed-plate and a tubular shaft mounted on said axle and upon which said grinding wheel, a pulley wheel and a threaded hub are secured in unitary relation so as to be bodily movable along and on said axle, the means for shifting said grinding wheel along the line of its axis consisting of a shipper frame pivotally mounted on a standard extending upwardly from said bed-plate and having arms engaging said hub and a lever for manually moving said frame on its pivotal support, and the means for rotating said grinding wheel and chuck being an electric motor having a belt connection with said pulley wheel and a belt connection with a pulley wheel on the tubular shaft of said chuck.

1,463,336. ELECTRIC SEALING DEVICE. WALTER REUSCH, New York, N. Y., assignor to Electric Sealing Machine Corporation, New York, N. Y., a Corporation of New York. Filed Feb. 15, 1921, Serial No. 445,248. Renewed Jan. 2, 1923. 5 Claims. (Cl. 120—116.)

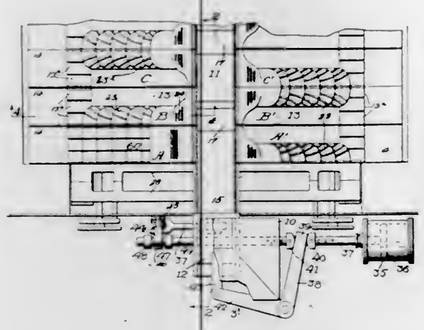


4. A device of the character described, comprising a frame provided with an upright slot and with a curved slot connected with said upright slot at its upper end, a receptacle rigidly secured to said frame and having an outlet, a valve for normally closing said outlet, means for opening said outlet, a receptacle holder adapted to contain a cooling medium, a die carried by said receptacle said receptacle and die being movable with respect to the frame and provided with pins adapted to move in said upright slot, one of said pins being also adapted to move in said curved slot, so as to swing the receptacle with respect to said frame, and means for moving said holder and bringing the die into contact with material previously delivered from said outlet, so as to make an impression thereon.

1,463,337. UNDERFEED STOKER. ROBERT SANFORD RILEY, Worcester, Mass., assignor to Sanford Riley Stoker Co., Worcester, Mass., a Corporation of Massachusetts. Filed Aug. 4, 1919. Serial No. 315,166. 12 Claims. (Cl. 110—47.)

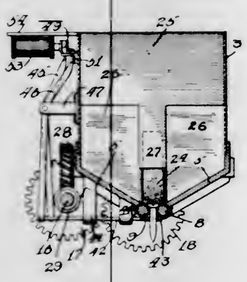
1. An underfeed stoker comprising a longitudinal retort, means to feed coal to said retort, a plurality of

lateral retorts communicating with said longitudinal retort and each formed in a plurality of parts extending



in the direction of the retort length, and means to move said lateral retort parts to assist lateral movement of the fuel.

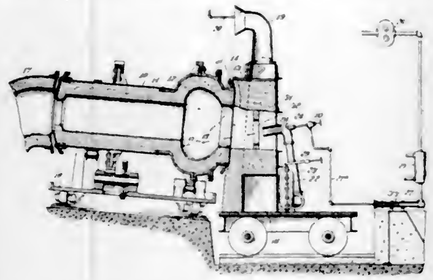
1,463,338. SCREW-FEEDING DEVICE. SIMON E. SCHROEDER, Oak Park, Ill. Filed Jan. 3, 1919, Serial No. 269,510. Renewed Sept. 2, 1922. Serial No. 586,050. 9 Claims. (Cl. 10—162.)



9. In a device of the class described, a pair of members suitably spaced to engage the head of a screw and permit the stem of the screw to hang downwardly therebetween, said members having cut away portions to allow the head of the screw to pass between the members at the point of discharge, means for moving the screws along the members towards the cut away portions, a pair of fingers extending transversely of the members for restraining movement of the screws toward the point of discharge, means for withdrawing one finger to allow a screw to enter the space between the fingers and subsequently projecting such finger to separate said screw from the other screws and simultaneously withdrawing the other finger to allow said screw to pass to the point of discharge.

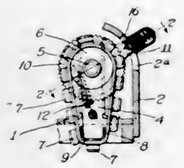
1,463,339. PROCESS OF BALLING SCRAP METAL. JOHN M. SELLERS, Downers Grove, Ill., assignor to Sellers Manufacturing Company, Chicago, Ill., a Corporation of Illinois. Filed Apr. 3, 1922. Serial No. 549,310. 9 Claims. (Cl. 75—50.)

1. Method of manufacturing wrought iron from metal scrap which comprises preheating the scrap without reducing it to a molten state and then collecting a charge of the preheated scrap and balling it by rolling, while



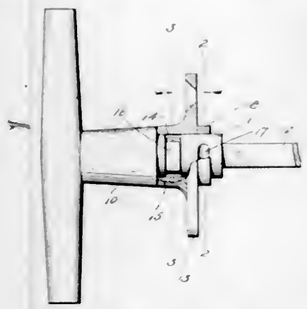
subjected to a high temperature produced by the combustion of a fuel in suspension in immediate contact with such metal in the space in which the metal is balled.

1,463,340. BAND DATING STAMP. MORRIS SHERAS, Chicago, Ill., assignor to A. D. Joslin Manufacturing Co., Chicago, Ill., a Corporation of Illinois. Filed Aug. 28, 1922. Serial No. 584,671. 7 Claims. (Cl. 101—111.)



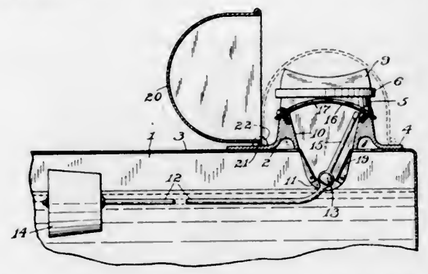
1. In a stamp, in combination, revoluble type drums, adjusting wheels connected thereto, an adjusting lever movably associated with the wheels, and a manipulative member supported on the lever and movable to engage a wheel to transmit movement from the lever to the type drum, said lever being operable in opposite directions to advance or retract type with respect to the printing point.

1,463,341. HANDLE. WILLIAM A. SOMERS, Hamden, Conn., assignor to The Mt. Carmel Manufacturing Company, Mount Carmel, Conn., a Corporation of Connecticut. Filed Sept. 10, 1921. Serial No. 499,703. 15 Claims. (Cl. 292—348.)



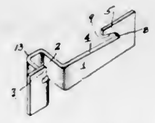
1. A handle having a shank portion; an escutcheon rotatably mounted thereon; and means occupying a position that is at a right angle to the axis of said shank portion for applying internally, an outward lateral pressure to said escutcheon relatively to said handle.

1,463,342. TANK FILLER AND CONTENTS INDICATOR. ALBERT STANLEY, Indianapolis, Ind. Filed July 25, 1921. Serial No. 487,532. 6 Claims. (Cl. 73—82.)



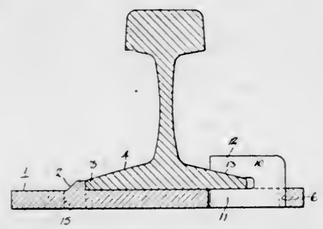
1. A tank filler and contents indicator including a base plate having an inlet neck, the wall of the inlet neck having a thick portion provided with a vertical slot and a downwardly-extending hanger at one side of the plane of the slot, a closure for the inlet neck, a pointer pivotally connected to the hanger and extending into the slot, a controlling rod fixed to the pointer, a buoyant device fixed on the controlling rod, and a cover hinged to the base plate adjacent to the inlet neck to cover the neck and the vertical slot.

1,463,343. RAIL ANCHOR. HENRY STEPHENS, Cleveland, Ohio, assignor to The Interstate Railway Supply Company, Cleveland, Ohio, a Corporation of Ohio. Filed Oct. 23, 1922. Serial No. 596,369. 10 Claims. (Cl. 238—324.)



1. A rail anchor comprising a flat upright member formed with a U-bend intermediate the ends and adjacent one end, the top of said member being cut away to form two hooked ends adapted to engage over the base flange of the rail, and a wedge adapted to be forced between the base flange and one hooked end to secure said anchor to said base flange.

1,463,344. TIE-PLATE RAIL ANCHOR. HENRY STEPHENS, Cleveland, Ohio. Filed Mar. 21, 1923. Serial No. 626,527. 11 Claims. (Cl. 238—304.)



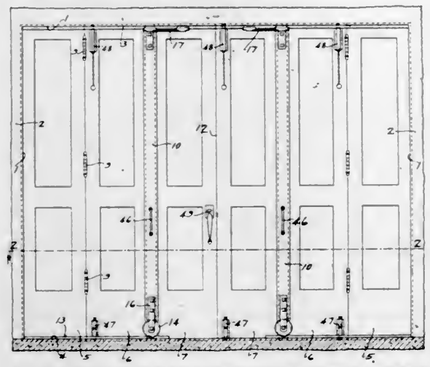
1. In a tie plate rail anchor, the combination of a tie plate having an abutment on one side and a slot on the gage side of the rail, such slot being narrower at the center than at the ends, and an anchor member provided with base flange engaging members mounted in such slot and adapted to pivot about the narrow center thereof.

1,463,345. SHIRT BAND AND CUFF BUTTON. JAMES C. STOCKS, Atlanta, Ga. Filed Dec. 5, 1921. Serial No. 519,981. 3 Claims. (Cl. 24—90.)



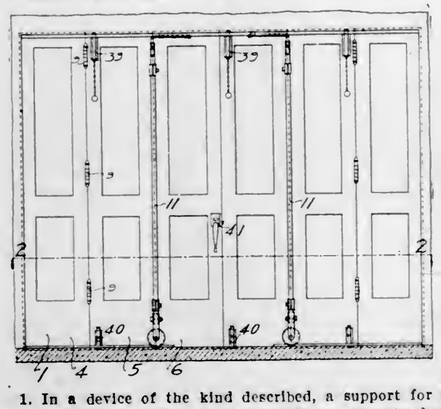
1. As an article of manufacture, a blank for use as a temporary button adapted to clamp several thicknesses of material, said blank being formed of a thin strip of pliable and shape-retentive material formed to provide a relatively short neck portion having circular enlargements at its opposite ends, the enlargements being adapted to be bent over into right angular relation to the neck and in parallel relation to each other and clamp against the material.

1,463,346. FOLDABLE CLOSURE. FREDERICK G. WALKER, Chicago, Ill. Filed Apr. 14, 1919. Serial No. 289,839. 7 Claims. (Cl. 20—20.)



1. In a door of the kind described, a closure consisting of a plurality of leaves, foldable together to open the door, posts laterally movable in substantially the plane of the opening to which alternate edges of pairs of leaves are hinged; a guide rail at the top of the opening, and a guide rigid with each post extending laterally beyond the post in one direction and having engagement with the rail at its free end to hold the post against rotation in both directions.

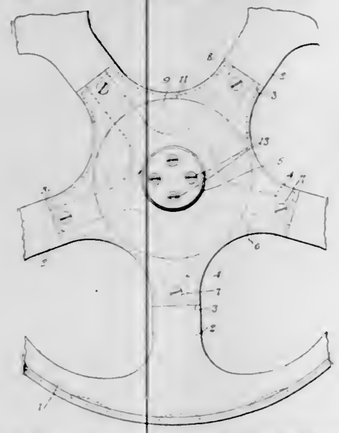
1,463,347. FOLDABLE CLOSURE. FREDERICK G. WALKER, Chicago, Ill. Filed Jan. 10, 1921. Serial No. 436,227. 4 Claims. (Cl. 20—20.)



1. In a device of the kind described, a support for a folding door comprising a pipe member, a support wheel secured at its lower end formed to engage a guide rail,

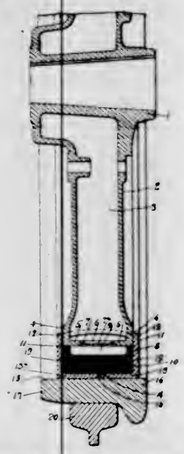
a vertically adjustable guide member at the upper end of the support one portion adapted to extend longitudinally of the door opening and to engage an upper guide to prevent rotation of the support, and relatively thin support brackets adapted to be clamped to the pipe member at suitable heights and adapted to extend between the adjacent edges of door leaves to engage door hinges.

1,463,348. PATTERN FOR CASTING STEEL WHEELS. GEORGE WALTHER, Dayton, Ohio. Filed June 16, 1921. Serial No. 478,133. 7 Claims. (Cl. 22—158.)



1. In a pattern, a master portion consisting of a rim and outer spoke end portions, an inner spoke end and hub portion, means to support a portion of the pattern to form the outside dimensions of the inner spoke ends and the portions uniting said spoke ends, and means to retain said last mentioned portions upon the master portion.

1,463,349. WHEEL. GEORGE WALTHER and FRANK H. WALKLEY, Dayton, Ohio, assignors to The Dayton Steel Foundry Company, Dayton, Ohio, a Corporation of Ohio. Filed Mar. 12, 1923. Serial No. 624,421. 7 Claims. (Cl. 295—11.)



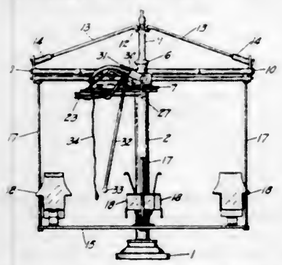
2. In combination, a wheel, a cushion member mounted on the periphery member thereof, and means to inclose said cushion in sliding engagement with said wheel, said means being adapted to support a rim, and said means being formed in two parts divided in the center of the periphery of the wheel having their ends adjacent to one another, the adjacent ends of said parts having their outer surfaces cutaway a portion of the depth of said parts.

1,463,350. SPARK-PLUG CLEANER. FREDERIC WAMBACK, Greenwich, Conn. Filed Mar. 3, 1922. Serial No. 540,751. 3 Claims. (Cl. 15—104.01.)



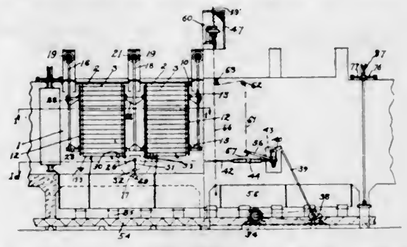
1. A cleaning device for spark plugs comprising a single length of metal bent intermediate its ends to provide a pair of spring arms, the end portions of which are extended diagonally and are provided with oppositely arranged cutting edges adapted to engage the interior of a spark plug shell whereby to remove the carbon from the same.

1,463,351. MERRY-GO-ROUND. WILLIAM H. WEASNE, Pittsfield, Mass. Filed June 8, 1922. Serial No. 566,793. 2 Claims. (Cl. 46—27.)



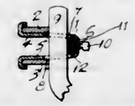
1. An apparatus of the class described comprising a base, a tubular standard rising from the said base, a journal fixedly secured to the top of the said tubular standard, a carrier rotationally mounted on the top of the journal and a shaft depending from said carrier into the said tubular standard, ball bearings interposed between the shaft and the tubular standard, the shaft and the carrier and the shaft and the journal, a standard rising from the said carrier and a collar mounted thereon, a tubular circular member, clamps rigidly affixed thereto, radial bars depending from said collar and radial horizontal bars extending from the carrier to the said clamps, a circular foot board and seats arranged thereon, vertical side bars depending from said clamps and supporting said foot board, a fixed ratchet with respect to the carrying device, a pawl and spring to cooperate with said ratchet and movable about the latter, a carrying member for said pawl, said carrying member having a pulley rotationally connected thereon, a flexible wire passing around the said pulley, clamps and a spring on one of the horizontal radial bars, an operating lever pivoted on one of the horizontal radial bars by means of said clamps and held in position by means of said spring, said operating lever having an extension on the outer end which is provided with an eye to insert a pull rope to actuate the device, an actuating lever depending from the said operating lever and equipped with a handle to be used to actuate the device in place of the pull rope.

1,463,352. APPARATUS FOR THE ELECTRICAL PRECIPITATION OF SUSPENDED PARTICLES FROM GASES. CHARLES H. WEISKOPF, Santa Monica, Calif., assignor to International Precipitation Company, Los Angeles, Calif., a Corporation of California. Filed Sept. 19, 1921. Serial No. 501,840. 15 Claims. (Cl. 183—7.)



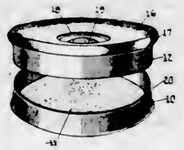
1. In an electrical precipitator, a vertical electrode, supporting means provided with means for engaging said electrode to support the same while permitting free upward movement of said electrode relative to the support, and means for jarring said electrode to produce such upward movement.

1,463,353. TOOL HOLDER. CHARLES H. WHITE, Moline, Ill., assignor to Deere & Company, Moline, Ill., a Corporation of Illinois. Filed July 19, 1922. Serial No. 576,015. 7 Claims. (Cl. 55—96.)



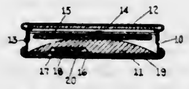
1. In a cultivating implement having parallel tool supporting bars, the combination therewith of a tool holder disposed transversely of the bars, means on the holder to clasp one side of said bars, and means to secure a tool in the holder on the opposite side of said bars.

1,463,354. CONTAINER. RALPH WM. WILSON, New York, N. Y., assignor to Theodore W. Foster & Bro. Co., Providence, R. I., a Corporation of Maine. Filed Sept. 22, 1922. Serial No. 589,856. 2 Claims. (Cl. 132—83.)



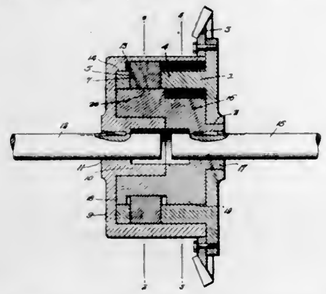
1. The combination with a powder container, a cover hinged to said powder container, a rouge container of smaller size than the powder container mounted in said cover, an outer cover for said container cover rotatably secured to said cover, there being an aperture therein corresponding to the size of the rouge container.

1,463,355. POWDER AND ROUGE CONTAINER. RALPH WM. WILSON, New York, N. Y., assignor to Theodore W. Foster & Bro. Co., Providence, R. I., a Corporation of Maine. Filed Sept. 22, 1922. Serial No. 589,858. 3 Claims. (Cl. 132—83.)



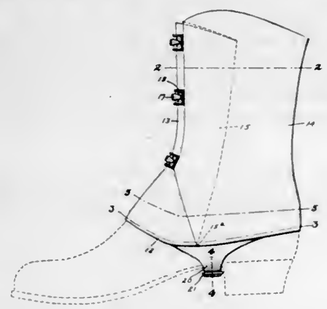
2. A powder container, a cover therefor, a mirror in said cover, a powder puff in said container, a powder compact in said container, a rouge compact mounted in the bottom of said powder compact, a revolvable cover for said rouge compact.

1,463,356. GEARLESS DIFFERENTIAL TRANSMISSION MECHANISM. EVERETT J. ZIEGLER, Hartford City, Ind. Filed Oct. 4, 1922. Serial No. 592,268. 3 Claims. (Cl. 74—7.)



1. A differential mechanism comprising in combination with aligned shaft sections a head member fixed to one shaft section and provided with oppositely disposed eccentrics and having a shoulder provided with a concentric peripheral surface, a barrel member receiving the head and having its side wall provided with openings some of which are opposite one of the eccentrics of the head and others opposite the other eccentric portion of the head, blocks slidably mounted in the openings, a casing member fixed to the other shaft section and having a side wall which receives the blocks, the said side wall being provided with an eccentric interior surface.

1,463,357. GAITER. HARRY P. BROWN, Boston, Mass., assignor of one-half to William E. Powers, Boston, Mass. Filed Nov. 1, 1922. Serial No. 598,243. 1 Claim. (Cl. 36—2.)

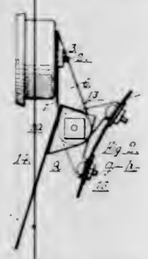


A gaiter composed of a continuous tube, having an enlarged non-adjustable lower end, formed to embrace and fit the instep portion of the wearer's shoe, and an adjustable major portion, having bellows folds extending from said non-adjustable end to the upper end of the gaiter, whereby said major portion is adapted to be contracted, fastening devices being provided whereby the major portion may be confined when contracted.

1,463,358. BRACKET FOR SUPPORTING OBJECTS AND ESPECIALLY FOR SECURING NUMBER PLATES. AUGUST W. CORDES, New York, N. Y. Filed Dec. 6, 1921. Serial No. 520,358. 1 Claim. (Cl. 40—125.)

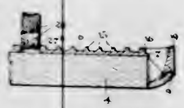
A composite universal bracket for carrying articles adaptable to curved surfaces, comprising a screw bolt forming a common axle upon which separate members for

carrying the article and other members for fastening the brackets are hinged, the fastening members consisting of opposite legs placed at an angle to each other and acting as a trussed support for the axle, the legs having eyed lugs



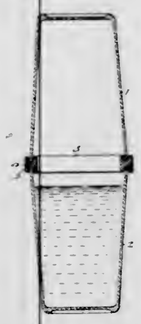
fitting the base of a triangle formed by the base and the legs, the eyed lugs being tangently adjustable to curved surfaces by reducing the angle between the opposite legs, the legs to be spaced apart by a separating member.

1,463,359. FLOOR PLATE. JAMES EDISON ERSKINE, Jacksonville, Fla. Filed Feb. 7, 1922. Serial No. 534,711. 1 Claim. (Cl. 280—164.)



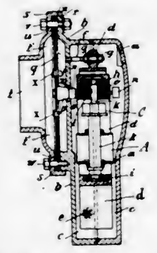
A floor plate for running boards of vehicles comprising a substantially flat substantially rectangular body comprising a series of spaced parallel ribs on the upper face thereof, said ribs extending longitudinally of the body and terminating at their opposite ends short of the corresponding ends of the body, the remote ribs of said series being located at appreciable distances from the side edges of the body, the space between one of said remote ribs and the adjacent edge of the body being provided with slots adapted to removably receive brushes, and scraper means integral at its ends with said body and having the intermediate portion thereof disposed in substantially parallel spaced relation to the second side edge of the body.

1,463,360. SEALING RING. LEONARD FOOTE, Pedro Miguel, Canal Zone, Panama. Filed Apr. 19, 1922. Serial No. 555,645. 4 Claims. (Cl. 215—37.)



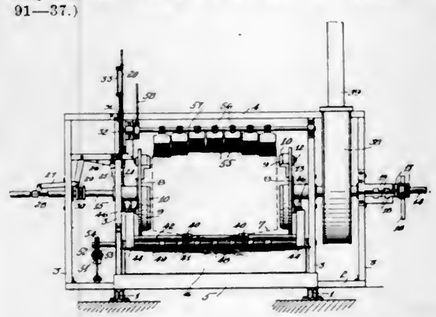
1. As a new article of manufacture, a sealing ring of the kind described comprising an annular unitary compressible member including a wall and an annular rib intermediate the top and bottom edges of the wall to permit the wall to engage flatly the rim-adjacent peripheries of a pair of glass tumblers when such tumblers are arranged rim to rim with their rim edges resting on opposite sides of said rib.

1,463,361. SIGNAL SOUND INSTRUMENT. PAUL GEORGI and ROBERT GEORGI, Leipzig-Gohlis, Germany. Filed Dec. 20, 1920. Serial No. 432,163. 1 Claim. (Cl. 116—14.)



In an electric sounding instrument for motor-cars and the like, in combination, a casing consisting of two halves, a sounding funnel in front of said casing, a brass diaphragm interposed between said casing and said sounding funnel, a rear projection on said diaphragm, means coacting with said projection to operate said diaphragm and located within said casing, one of said casing halves forming a resounding bottom for said diaphragm and having a central opening therein through which extends said rear projection, substantially as set forth.

1,463,362. COATING MACHINE. CHARLES L. HOOPER, ROBERT F. SUTHERLAND, and ALBERT W. PARKHOUSE, Rochester, N. Y., assignors to Vacuum Oil Company, New York, N. Y., a Corporation of New York. Filed May 28, 1921. Serial No. 473,268. 11 Claims. (Cl. 91—37.)

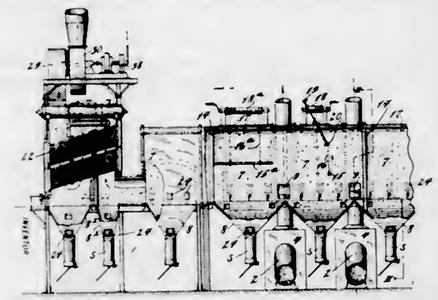


1. A coating machine comprising a pair of rotary heads embodying a disk and a plurality of removable chime engaging members each formed with a curved chamfered face, and means for applying a coating to a barrel turned by said heads.

1,463,363. CEMENT-KILN SYSTEM. DAVID S. JACOBUS, Jersey City, N. J., assignor to The Babcock & Wilcox Company, Bayonne, N. J., a Corporation of New Jersey. Filed Aug. 17, 1916. Serial No. 115,507. 17 Claims. (Cl. 183—120.)

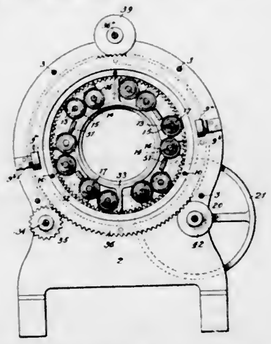
1. Apparatus for treating dust-laden cement kiln gases, comprising a flue arranged to permit a current of dust-laden gases to flow substantially unobstructedly therethrough without substantial change in the general direction of flow in its passage through said flue, said flue having refractory heated side walls exposed to the current of

gases for the collection of a caking material, and a plurality of baffles projecting a short distance from each of said side walls at spaced intervals along the length of the



flue and adapted to cause eddies in the current to bring different portions of the gases into contact with the side walls, said side walls being accessible for cleaning while the apparatus is in operation.

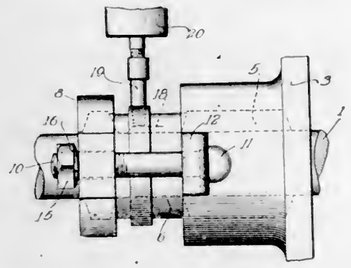
1,463,364. HUSKING MACHINE. FREDERICK H. KNAPP, Baltimore, Md. Filed Aug. 4, 1919. Serial No. 315,080. 27 Claims. (Cl. 130—5.)



1. In a husking machine, the combination of a carrier comprising an annular series of pairs of husking rolls having cooperating gears, a rotatable head having an internal annular gear adapted to simultaneously engage one of said gears of each pair of gears, said head being adjacent but spaced from one end of the carrier, and means for rotating the carrier and said head.

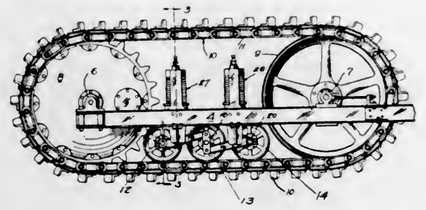
1,463,365. MEANS FOR PACKING ROTATING SHAFTS AND THE LIKE. HARRY E. LA BOUR, Chicago, Ill. Filed Feb. 24, 1921. Serial No. 447,609. 1 Claim. (Cl. 286—33.)

In combination, a casing having an annular outwardly projecting boss counterbored to provide an internal annular chamber, a shaft extending axially through said chamber, a packing fixed in said chamber and about said shaft against movement with excursions of the shaft, a gland plate bored to permit extension of the shaft therethrough, and counterbored from its casing face to receive a second packing about the shaft, a pair of diametrically opposite lugs formed integral with and projecting radially from the outer end of the casing boss, a pair of gland bolts extending through aligned openings in the gland plate and said lugs, said bolts having ball heads cooperating with said lugs and engaging at their outer ends in nuts having rounded surfaces cooperating with the gland plate, a gland ring loosely encircling the shaft between said first and second packings and bearing at its opposite ends against said packings, said gland ring having an internal annular recess between its ends and an external annular enlarge-



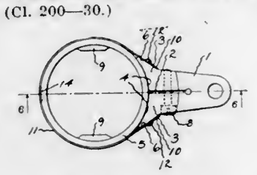
ment, and means for delivering a lubricant to said internal annular recess, said lubricant delivering means comprising a tube threaded into the external annular enlargement of said ring, and a reservoir connected to said tube.

1,463,366. TRACTOR. THOMAS C. LEAKE, San Francisco, Calif. Filed Aug. 4, 1919. Serial No. 315,050. 6 Claims. (Cl. 305—9.)



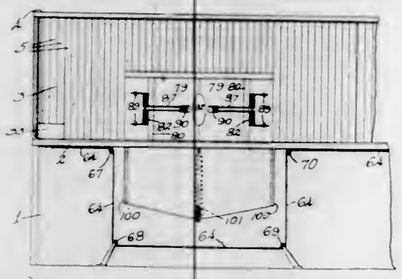
6. In a tractor, a frame, an endless flexible track mounted on said frame, a series of three rollers engaging said track, a lever on the forward end of which one roller is mounted, a second lever on the rear end of which another roller is mounted, means on which the third roller is mounted connecting the other ends of the levers, blocks in which said levers are fulcrumed, means on the frame for guiding the movement of said blocks and springs interposed between the blocks and the frame.

1,463,367. TIMING MECHANISM. CARL AUGUST MAYER, Springfield, Mass., assignor to American Bosch Magneto Corporation, Springfield, Mass., a Corporation of New York. Filed Feb. 18, 1921. Serial No. 446,140. 7 Claims. (Cl. 200—30.)



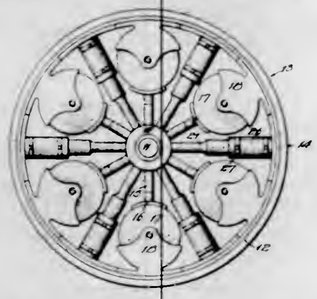
1. In an adjustable timing device for magnetos having an interrupter housing including a cam ring having a groove, the combination of a slitted timing arm having flexible portions adapted to engage said ring, a flexible strip surrounding said ring and secured to the flexible portions of said slitted arm, means for flexing said flexible portions for tightening said strap about said ring, and a projection on said flexible portions of said arm extending into and movable along said groove in said ring.

1,463,368. BANK-PROTECTING DEVICE. CHARLES A. MAZZIE, Detroit, Mich. Filed Apr. 4, 1921. Serial No. 458,585. 5 Claims. (Cl. 20—1.01.)



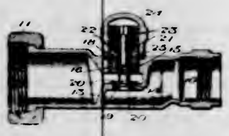
1. A bank protecting device comprising a grille for a bank cage consisting of a series of vertical shutters adapted to turn in a horizontal plane, the grille being provided with an opening, a pair of spring actuated doors for closing the opening, a shutter adjacent each door being provided with means for holding the doors in the open position when the shutters are open, a spring tending to close the shutters, releasable means for holding the shutters open against the tension of the spring, and means for actuating the releasing mechanism from any point within the cage, the closing of the shutters releasing the said doors to actuation by the respective springs.

1,463,369. RESILIENT WHEEL. AUSTIN A. MENDENHALL, Duluth, Minn. Filed June 11, 1919. Serial No. 303,363. 13 Claims. (Cl. 152—28.)



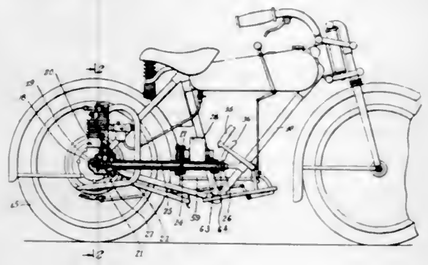
11. In a device of the character described, a rim, a hub, a set of radial spokes comprising pneumatic means adapted to resiliently resist radial forces, and another set of spokes fixed against pivotal movement and having a lost motion connection to limit the displacement of said rim with respect to said hub.

1,463,370. INTEGRAL STOP. PHILIP MUELLER and ANTON C. SCHUERMANN, Decatur, Ill., assignors to Adolph Mueller, trustee, Decatur, Ill. Filed Nov. 4, 1919. Serial No. 335,683. 9 Claims. (Cl. 251—155.)



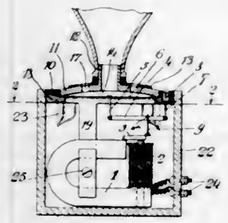
6. A fitting of the class described having a section of its wall thickened to give a substantial plug seat and having an orifice through said thickened section, a valve seat below said thickened section, a threaded plug seat in the orifice in said thickened section and having an opening therethrough, a valve stem mounted in said plug for reciprocation, a valve on said stem adapted to engage said valve seat, a packing in said plug about said valve stem, a packing surrounding said plug and seated on the outer wall of said fitting, and a closure cap secured to the outer end of said plug and engaging said exterior plug packing.

1,463,371. MOTOR VEHICLE. ALDEN E. OSBORN, New York, N. Y. Original application filed Sept. 1, 1920, Serial No. 407,373. Divided and this application filed Aug. 13, 1921. Serial No. 491,960½. 5 Claims. (Cl. 180—33.)



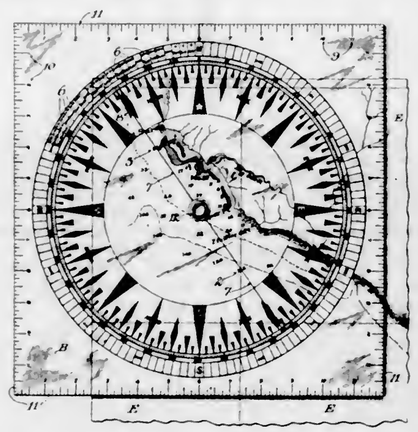
1. In a motor vehicle the combination of a propelling motor, a main shaft in said motor, a second shaft at substantially a right angle to said main shaft and gearer thereto, a gear rotatably mounted on said second shaft, a means for connecting said gear with said second shaft to transmit motion between them in one direction only, a segmental gear rotatably supported on said motor vehicle adjacent to the first named gear but normally held out of mesh therewith, and a manually operated means for rotating said segmental gear to bring said segmental gear into mesh with said gear on the second shaft to rotate said second shaft and the main shaft of the motor and start the motor.

1,463,372. SOUND-REPRODUCING INSTRUMENT. EGBERT A. REYNOLDS, Yonkers, N. Y., and DE ELBERT A. REYNOLDS, West Hoboken, N. J., assignors, by mesne assignments, to Audiphone Company of America, New York, N. Y., a Corporation of Delaware. Filed July 28, 1917. Serial No. 183,215. 9 Claims. (Cl. 179—108.)



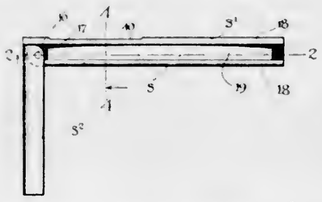
6. A sound reproducing instrument comprising in combination a diaphragm, an arm carried by said diaphragm, a lever, pivotal means for an end portion of said lever, adjustable means for carrying said pivotal means, means for pivoting the opposite end portion of said lever to said arm, a link connected to an intermediate portion of said lever, the portion of said lever between said second mentioned pivoting means and said link being of constant length for different positions of adjustment of said adjustable means, an armature connected to said link and electromagnetic means controlling said armature, said electromagnetic means including a coil.

1,463,373. NAVIGATING INSTRUMENT. HARRY C. ROESER, Chicago, Ill. Filed Sept. 5, 1919. Serial No. 321,858. 2 Claims. (Cl. 33—1.)



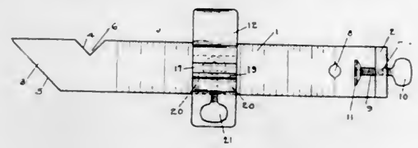
1. A navigator's instrument comprising two superposed and relatively rotatable transparent members, the upper of said members having a compass card configuration depicted thereon and having parallel sides perpendicular to the North-South and East-West diameters of the compass respectively, said sides being graduated and said lower member having a single diametrical line with an index adjacent the divisions of the compass on said upper card, as and for the purposes set forth.

1,463,374. COMBINATION TOOL. HENRY SCHUETZ, Pittsburgh, Pa. Filed June 18, 1920. Serial No. 389,888. 5 Claims. (Cl. 33—95.)



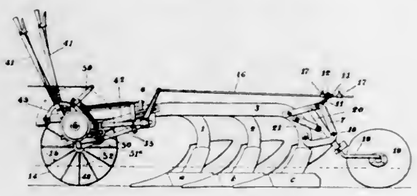
1. In combination, a holder comprising a main arm having a channel, a second arm of U-shape in cross section pivotally connected to the main arm and adapted to embrace the main arm when turned into closed position thereon, a leaf spring within the channel of the main arm; and a rule comprising a main section adapted to slidably fit within the channel of the main arm and adapted to be frictionally held in adjusted position by said spring, and a second section pivotally connected to the main section, each of said sections being provided with graduations, and said second section having means to cooperate with the said second arm of the holder for supplementing the spring and preventing accidental displacement of the rule when the holder is closed.

1,463,375. COMBINATION TOOL. WILLIE ARTHUR SHIELDS, Birmingham, Ala. Filed Mar. 25, 1921. Serial No. 455,441. 3 Claims. (Cl. 33—143.)



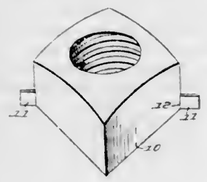
1. In combination, a straight rule having at one end a notch and a bevelled edge providing between them an end extension disposed at an angle to the rule and lying in the same plane therewith, and a slide block adapted to be mounted on the rule or on its angled element to form a T-square or angled rule.

1,463,376. WHEEL PLOW. WALTER H. SILVER, Moline, Ill., assignor to Deere & Company, Moline, Ill., a Corporation of Illinois. Filed Feb. 1, 1918. Serial No. 214,926. 6 Claims. (Cl. 97—127.)



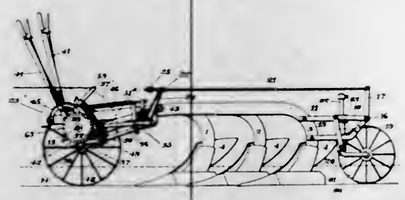
1. The combination with the plow beam, the bottom secured thereto, the rear furrow wheel, and the crank axle therefor having an upward extending spindle, of the sleeve for the spindle, the link pivoted to the sleeve and to the beam, and the vertically swinging power arm pivotally connected to the sleeve, said parts being arranged relatively to each other as described whereby the lower end of the spindle and the furrow wheel are forced forward relatively to the beam and to the upper end of the spindle when the lever commences to apply lifting power.

1,463,377. NUT LOCK. MILROY G. STACKHOUSE, Tulsa, Okla., assignor to The Staset Company, a Corporation of Delaware. Filed Jan. 4, 1921. Serial No. 434,891. 2 Claims. (Cl. 151—24.)



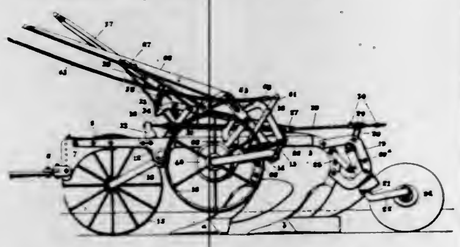
1. As an article of manufacture, a nut having in its inner surface a radial kerf extending into communication with the bolt opening, and a blade fitted in said kerf with its outer end projecting beyond the periphery of the nut for impact by a driving tool, the length of the blade exceeding the length of the kerf by an amount equal to the distance of penetration of the blade into the bolt to which the nut is attached.

1,463,378. WHEELED PLOW. CARL G. STRANDLUND, Moline, Ill., assignor to Deere and Company, Moline, Ill., a Corporation of Illinois. Filed June 30, 1915. Serial No. 37,370. Renewed Aug. 24, 1917. Serial No. 188,065. 2 Claims. (Cl. 97—102.)



1. In a frameless plow of the class described the combination of the series of beams secured together as a frame structure, the bodies carried by said beams, a wheel at the front end of the beam structure, a vertically swinging crank axle carrying said wheel and journaled on the frame on a fixed axis, a second wheel at the front end of the beam structure on which the latter is adapted to be raised or lowered, means at the rear end of the beam structure for lifting and supporting it, a manual mechanism on the frame for adjusting the depth of plowing and for leveling the plow comprising two levers and locks therefor, an automatic optionally acting lifting mechanism on the swinging crank axle supplemental to said levers and adapted to be actuated independently thereof for applying traction power to the said crank axle to lift the front end of the plow structure, a crank arm rigid with and actuated by the swinging crank axle, and a power tranamitting link actuated by and extending from the said arm to the said lifting mechanism at the rear end of the beam structure.

1,463,379. WHEELED PLOW. CARL G. STRANDLUND, Moline, Ill., assignor to Deere & Company, Moline, Ill., a Corporation of Illinois. Filed May 20, 1918. Serial No. 235,565. 6 Claims. (Cl. 97—72.)



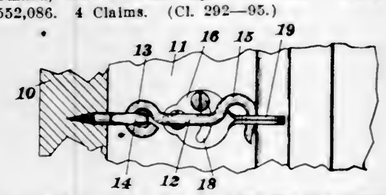
1. In a wheeled plow of the class described the combination of the frame, the plurality of plow bodies carried thereby, the front furrow wheel, the axle holding said wheel in front of the plow bodies when at work, the rear furrow wheel, the lifting mechanism thereon for the rear end of the frame, the land wheel, the swinging crank axle therefor having a journal element on an axis at the rear end of the plow frame and also a bail element arranged to hold the land wheel in the transverse planes of the plow bodies and to push directly upward on the journal element when the axle swings, power transmitting devices connecting the two said axles and the rear lifter, and an axle-swinging power transmitter operated by the traction of the land wheel, said parts being arranged substantially as set forth, whereby power is transmitted from the land wheel to thrust upward directly against the rear end of the frame, and to simultaneously cause the front wheel to lift the front end thereof, and to cause, simultaneously with the rising of said front end, a variable lifting action on the rear wheel.

1,463,380. GARMENT SUPPORTER. JAMES STUART WALLINGFORD, Paris, Ky. Filed Feb. 24, 1922. Serial No. 538,825. 2 Claims. (Cl. 24—245.)



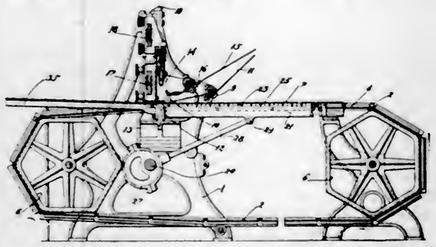
1. A clasp element for garment supporters comprising inner and outer straps having a common connection at their upper ends to each other and to a supporting element, a block carried by the outer side of the lower extremity of the inner strap, said block having an inwardly and downwardly beveled upper edge, a loop member carried by the lower end of the outer strap having upper and lower arms the relative spacing of which is less than the height of the outer side of the block, said loop member adapted to be engaged over the block when the portion of the garment is arranged thereover to provide in the garment at the rear of said block a pair of oppositely disposed bights whereby a downward pull exerted on the lower arm will impinge the upper bight in the receiving space formed at the juncture of the upper edge of the block with the inner strap.

1,463,381. ECCENTRIC HOOK. RILEY E. ANTHONY, Omaha, Nebr. Filed Apr. 13, 1922. Serial No. 552,086. 4 Claims. (Cl. 292—95.)



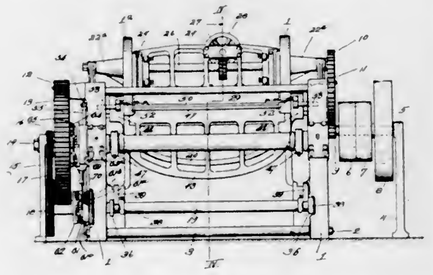
1. In a fastener for doors and the like the combination with a hook adapted to be carried by a door, a keeper plate having an opening therein for the reception of the bill of the hook, and a pivotal support for said keeper arranged eccentrically with respect to said opening whereby the keeper member may be swung on its pivotal support to move said opening toward and from the door for binding and releasing said hook.

1,463,382. MACHINE FOR USE IN MAKING BOXES. CHARLES HENRY BOMBARDIE, Chicago, Ill., assignor to Wirebounds Patents Company, Kittery, Me., a Corporation of Maine. Filed Sept. 30, 1919. Serial No. 327,391. 28 Claims. (Cl. 1—8.3.)



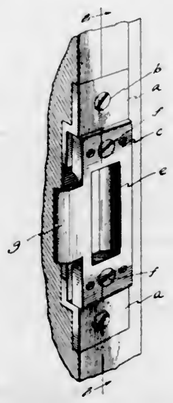
5. A machine for use in making boxes comprising, in combination, means including fastener-setting mechanism for applying binding-wire to box parts; a work-engaging member; and means for causing relative progression between said mechanism and the work in controlled steps of varied lengths, comprising a series of adjustable driving members acting successively on said work-engaging member.

1,463,383. SHEET-METAL-BENDING MACHINE. CHARLES P. BUCK, Topeka, Kans. Filed Apr. 18, 1921. Serial No. 462,129. 6 Claims. (Cl. 153—16.)



1. A sheet metal bending machine, comprising a frame, a stationary clamping jaw, a movable clamping jaw, a driven clutch member, a shaft having a cam and a slidable clutch member, means tending to clutch said clutch members together, manually controlled means for holding the said clutch members declutched, and means operated by said cam in each revolution, for imparting clamping and unclamping movements to said movable clamping jaw.

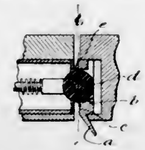
1,463,384. STRIKER PLATE. SAMUEL D. BUTTERWORTH, Lansing, Mich. Filed Feb. 20, 1922. Serial No. 537,787. 10 Claims. (Cl. 70—15.)



1. A striker plate, having in combination, a pair of seats, a keeper plate bridging the gap between the seats, and adjustable means on the outside thereof in connection with each seat for advancing the socket portion more or less away from the seats.

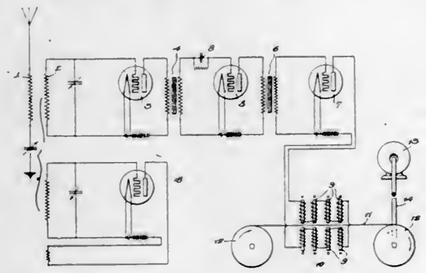
1,463,385. LATCH. SAMUEL D. BUTTERWORTH, Lansing, Mich. Filed Aug. 25, 1922. Serial No. 584,167. 6 Claims. (Cl. 292—75.)

1. In a door latch, the combination of a latch provided with a latch head in the form of a roll and yieldingly projecting, and a latch striker therefor provided with a latch socket, having the rear wall of the socket



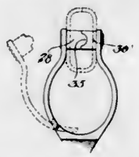
projecting beyond the front wall of the socket to form an abutment to arrest the roll in the roll socket.

1,463,386. RADIOTELEGRAPH SYSTEM. WENDELL L. CARLSON and EARL C. HANSON, Washington, D. C. Filed Apr. 22, 1920. Serial No. 375,693. 5 Claims. (Cl. 250—8.)



1. In a system of radio telegraphic reception means for receiving signals of a predetermined frequency, a telegraphone, a recording element therefor, a plurality of electromagnets associated therewith and spaced apart in proportion to the frequency of the signals to be received and the linear speed of the recording element.

1,463,387. SHACKLE FOR AUTOMOBILE WHEELS AND SPOKES. EARLE E. CHAPMAN, Los Angeles, Calif., assignor to Miller-Chapman Company, a Corporation of California. Filed Mar. 2, 1920. Serial No. 363,087. 4 Claims. (Cl. 70—90.)

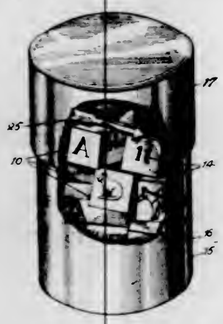


1. A shackle for an automobile wheel comprising a bumping block; arms for securing said block upon the tread of said wheel; projections on said arms meeting inside the felly of the wheel; means for locking said projections together; a finger pivoted to turn freely on one of said projections and engage a spoke; and a second finger pivoted on the other projection and cooperating with said first named finger to entirely encircle a spoke.

1,463,388. GAME. CATHERINE F. CULLEN, New York, N. Y. Filed July 20, 1921. Serial No. 486,293. 3 Claims. (Cl. 46—41.)

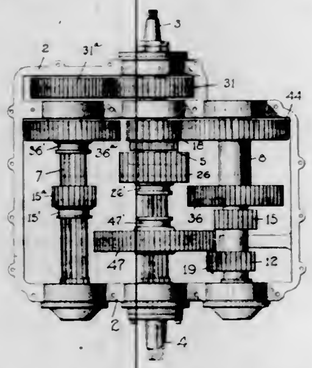
1. A game apparatus, comprising a box, a plurality of separate angular blocks adapted to be shuffled in the box and subsequently distributed therefrom upon a surface, each block having on each of its faces different indicia which may include an inscription, the picture of

an object, a word, a letter of the alphabet or a numeral, all indicative of an event or person or date and the indicia of each block being different from the indicia of the other blocks, and a separate indicator adapted to



be shuffled in the box with the blocks for being intermingled with the blocks when emptied from the box on a surface whereby one of the blocks will be designated for selection.

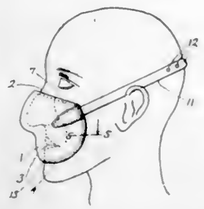
1,463,389. POWER-TRANSMISSION-GEAR MECHANISM. WILLIAM B. FAGEOL, Oakland, Calif. Filed Dec. 15, 1920. Serial No. 430,868. 1 Claim. (Cl. 74—58.)



A transmission gearing comprising a driving and a driven shaft, clutch means for connecting said shafts for direct drive, a pair of countershafts, fixed gears on said countershafts and on said driving shaft for turning the countershafts at different speeds, a pair of forward drive gears fixed on the slower moving countershaft, a pair of gears slidable on said driven shaft and respectively engageable with said forward driving gears, a jack shaft, a reversing gear fixed on said jack shaft and adapted to be engaged by one of said driven shaft gears, a gear on said slower moving countershaft and in mesh with said reverse gear and a pair of gears slidable on the faster moving countershaft and respectively engageable with said driven shaft gears.

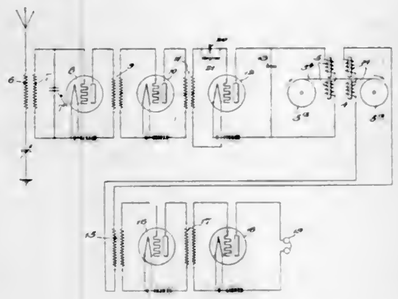
1,463,390. BREATH MASK. ANTONIO FERNANDES, Kansas City, Mo. Filed Nov. 1, 1920. Serial No. 420,945. 3 Claims. (Cl. 128—139.)

1. In a breath mask, a mask of plate formation shaped to fit over and inclose the nose and mouth of a person, a groove in the inner face of said mask and near the outer edge thereof, a resilient gasket resting in said groove and protruding from the inner face of said mask, chambers opening to the inner side of said mask and extending from each side of said mask and presenting a hole opening rearwardly, an internally facing shoulder



around each of said holes, a resilient flexible tube with an annular flange on each end thereof and provided with holes intermediate the ends thereof, and the ends of said tube resting in said holes with said annular flanges bearing outwardly against said shoulders.

1,463,391. RADIOTELEGRAPH SYSTEM. EARL C. HANSON and WENDELL L. CARLSON, Washington, D. C. Filed Feb. 11, 1920. Serial No. 357,919. 7 Claims. (Cl. 250—8.)



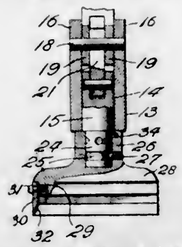
1. In a radio telegraph system, the method of preparing an initial record on the moving wire of a telegraphone, causing received telegraph signals to be amplified and rectified and caused to efface the record previously made on the telegraphone.

1,463,392. THERAPEUTIC ELECTRODE. EARL C. HANSON and WENDELL L. CARLSON, Washington, D. C. Filed Nov. 30, 1920. Serial No. 427,439. 8 Claims. (Cl. 174—89.)



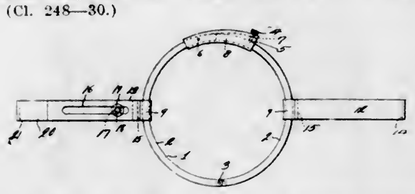
1. An electrode of the class described comprising an electrically conducting surface, a terminal rod connected thereto, and a condensation product of a phenolic body and formaldehyde molded about said conducting surface and terminal rod.

1,463,393. COUPON-CUTTING MACHINE. HENRY N. HEILMAN, St. Louis, Mo. Filed May 27, 1920. Serial No. 384,778. 1 Claim. (Cl. 164—57.)



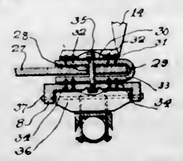
In a coupon cutting machine, a base, a bracket projecting upwardly therefrom, a plunger mounted for vertical sliding movement through said bracket, means for moving said plunger downwardly, a block mounted for rotation in a horizontal plane on the lower end of the plunger, a blade removably carried by said block, which blade is provided with cutting edges disposed at right angles to each other, the lower portion of the plunger having four recesses disposed substantially 90 degrees apart, and a set-screw seated in the block adapted to be projected into any one of said recesses so as to lock the block in any one of four predetermined positions and means for holding the cutting block during the time when the set screw is loosened.

1,463,394. ADJUSTABLE STRAINER SUPPORT. WESLEY P. HEISNER and PAUL A. HEISNER, Rockville, Nebr. Filed May 31, 1922. Serial No. 564,911. 1 Claim (Cl. 248—30.)



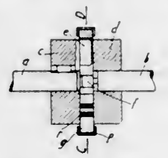
A strainer supporter comprising a strainer receiving ring, said ring comprising hingedly connected ring sections movable in the same plane, a sleeve carried by one end of one of the sections and having a tapernig chamber therein for the reception of the adjacent end of the adjacent section, set screw means for holding the ring sections in adjusted opsitions, sleeves slidably mounted on the ring sections, upwardly and outwardly extending arms hingedly connected to the sleeves adjacent their lower sides and in abutting engagement with the sleeves, one of said arms being provided with an outwardly and inwardly adjustable arm, downwardly extending flanges carried by the adjustable arm and the upwardly and outwardly extending arm and forming means for frictionally engaging opposite sides of a receptacle.

1,463,395. MOTOR SLEIGH. ABRAHAM A. KNOWLES Canyon Ferry, Mont. Filed Oct. 14, 1922. Serial No. 594,449. 1 Claim. (Cl. 180—3.)



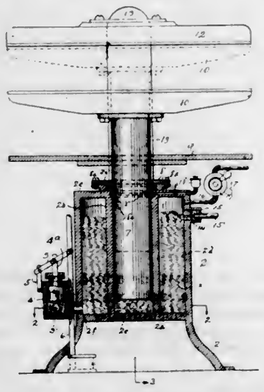
In a motor sleigh, a cross beam, runners secured thereto, a platform pivoted to the cross beam adapted to allow for play between the runners and platform, an extension of the floor, a U-shaped plate secured to the platform and embracing the floor extension, a post secured to said U-shaped plate having a propeller and a vertical pivot pin carried by the platform and extending through the U-shaped plate and the extension of the floor whereby the said parts are pivotally mounted on the said floor extension.

1,463,396. ELASTIC OLDHAM COUPLING. FRANZ KRATZ, Stuttgart, Germany, assignor to Robert Bosch Aktiengesellschaft, Stuttgart, Germany. Filed July 31, 1922. Serial No. 578,675. 4 Claims. (Cl. 64—100.)



1. An elastic Oldham coupling, comprising, in combination a driving coupling half, and transmitting lugs projecting from this half towards the driven coupling half; a driven coupling half, and transmitting lugs projecting from this half towards the driving coupling half; an intermediate transmitting member composed of a plurality of parts having gaps between them and containing each a portion of the cross-shaped double-slot of the coupling; elastic insertions in said gaps; and means for holding together the parts of the intermediate transmitting member, as set forth.

1,463,397. GARMENT-PRESSING MACHINE. CHARLES LAVIBE, Syracuse, N. Y. Filed Aug. 22, 1922. Serial No. 583,620. 4 Claims. (Cl. 138—10.)

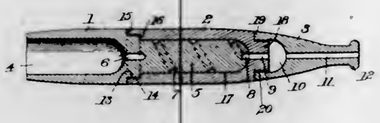


1. The combination with a stationary presser-head and a movable pressing buck, of a hydraulic cylinder disposed beneath and supporting said pressing parts, said cylinder being partially filled with fluid and having a concentric chamber in the line of the vertical axis of said pressing parts, a pedestal directly supporting said buck and being reciprocatable in said chamber, and means for admitting fluid pressure into said cylinder for effecting the raising of said pedestal and said buck.

1,463,398. TOBACCO PIPE. HARRY LONGACRE, Brooklyn, N. Y. Filed May 2, 1921. Serial No. 466,075. 1 Claim. (Cl. 131—12.)

In a tobacco pipe, the combination with a bowl section having an integral reduced extension provided with a spiral groove on its surface communicating at one end

with the bowl, of a stem section having a cavity to fit around said grooved extension of the bowl section and detachably connected to said section, and a separate mouthpiece having a passage therethrough, the inner end of

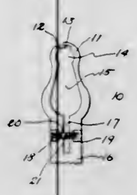


said passage in the mouthpiece being enlarged to form a saliva chamber, and the outer edge of said chamber being internally threaded to detachably engage over the stem section.

1,463,399. MANUFACTURE OF REFRACTORY PRODUCTS FROM DOLOMITE. CHARLES ARTHUR LONGBOTTOM, Worksop, and FREDERICK LINDLEY DUFFIELD, Brassington, England. Filed Dec. 1, 1922. Serial No. 604,417. 5 Claims. (Cl. 18—47.5.)

1. The herein-described process for the manufacture of refractory products from dolomite which consists in artificially mixing binding materials with the raw dolomite, shaping the products from the mixture, subjecting them to an intense shrinking heat, and finally dipping them in a medium having sealing properties.

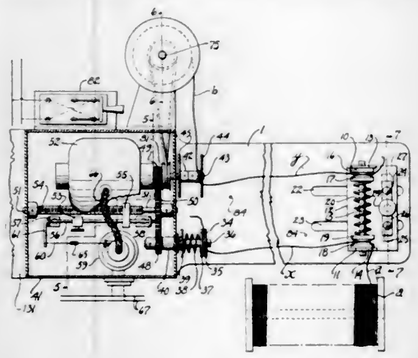
1,463,400. COLLAR-BUTTON HOOK. CARL NEUMANN, New York, N. Y. Filed Aug. 29, 1922. Serial No. 584,949. 1 Claim. (Cl. 24—40.)



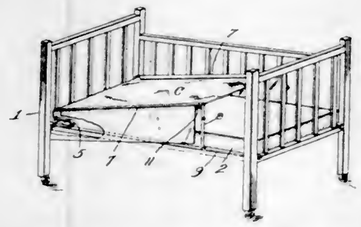
A device of the class described comprising a rigid metallic blade having a right angle twist intermediate of its length, enlarged substantially tapering portions at the ends of said blade, the smaller end of said portions having an opening which communicates with a larger opening, said latter opening adapted to have the head of a collar button inserted therein, a slit in said blade opening into the larger opening, said smaller opening being split and having overlapping projections in the region of said split; lugs formed on said blade intermediate of said slit, one of said lugs having a right hand thread and the other lug having a left hand thread, a threaded stud adapted to engage said lugs and increase or decrease the area of said openings when manipulated.

1,463,401. MACHINE FOR AND METHOD OF UNITING THREADS OR CORDS. WILLIAM H. PEARSON and TIMOTHY J. KELLY, Passaic, N. J., assignors to Brighton Mills, a Corporation of New Jersey. Filed Apr. 12, 1921. Serial No. 460,725. 29 Claims. (Cl. 117—6.)

1. A mechanism for uniting threads or cords including in combination means for delimiting two equal lengths in the ends of two threads, means for untwisting the strands of said lengths, and simultaneously winding another portion of the thread and by the unwinding of said portion to restore the twist to the untwisted strands.



1,463,402. ADJUSTABLE BEDCOVER FASTENER. JULIUS A. PETZOLD, Kansas City, Mo., assignor to Children's Bed Cover Fastener Company, Kansas City, Mo. Filed Aug. 14, 1922. Serial No. 581,657. 2 Claims. (Cl. 5—319.)



1. In a bed clothes holder, a fastening means for the covering at opposite sides of a bed, and means supporting the fastening means yieldingly as regards up and down movement of the latter; the means supporting the foot ends of the fastening means tending to hold the latter yieldingly depressed and the means supporting the head ends of the fastening means being extensible to a locked position to prevent accidental lowering of such ends of the fastening means under the gravitative force of the latter.

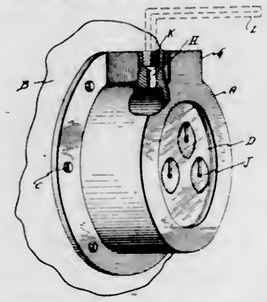
1,463,403. ADHESIVE PASTE. BIRTRUN L. PICKARD, Los Angeles, Calif. Filed Aug. 29, 1922. Serial No. 585,057. 1 Claim. (Cl. 87—17.)

The herein described composition of matter, consisting of cactus liquid, glue, corn starch, shellac and alum, said cactus liquid being present in prepondering proportion over each remaining element.

1,463,404. CONDENSATION-METER COUNTERHOUSING. JOHN V. REDFIELD, Grosse Pointe, Mich., assignor to Central Station Steam Company, Detroit, Mich., a Corporation of Michigan. Filed July 5, 1921. Serial No. 482,385. 2 Claims. (Cl. 235—1.)

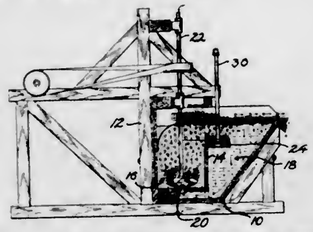
1. The combination with a condensation meter of a vacuum system, of an auxiliary casing having a transparent wall and provided with means for securing it to the meter casing in air-tight connection therewith over

the indicating means thereof with its interior in communication with the vapor system, and means for temporarily connecting the interior of the auxiliary casing



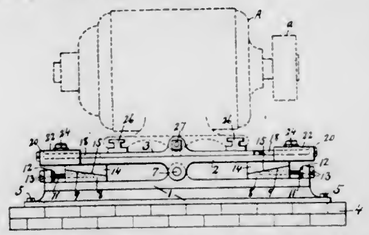
with the outside atmosphere to permit the outside atmosphere to clear the transparent wall of the auxiliary casing for taking a reading of the indicating means.

1,463,405. FLOTATION APPARATUS. JOSEPH P. RUTH, Jr., Denver, Colo. Filed Oct. 4, 1919. Serial No. 328,448. 3 Claims. (Cl. 83—85.)



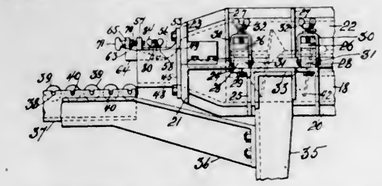
1. Flotation apparatus having a mixing compartment and a separating compartment adapted to maintain a relatively quiescent body of pulp therein, a partition dividing the compartments and over the top of which pulp is adapted to flow, means to maintain the pulp level above said partition, a hollow member on the top of said partition, one wall of said member being porous, means for introducing gas into said member whereby it will pass thru said porous wall and into the overflowing pulp and means in the mixing compartment for introducing gas into the pulp, said pulp level being uninterrupted whereby pulp and froth may flow freely and uninterruptedly from the top of the mixing compartment over said member and across said separating compartment.

1,463,406. MOTOR SUPPORT. WILLIAM C. SERRELL, Syracuse, and CHARLES E. WIDMEYER, Beaver Falls, N. Y. Filed Nov. 13, 1922. Serial No. 600,776. 2 Claims. (Cl. 248—30.)



2. In a motor support, a relatively fixed base plate, a movable plate pivotally mounted on the base plate to rock vertically, means for adjusting the last named plate about the axis of the pivot and a motor supporting plate pivoted to the second named plate to swing horizontally and means for adjusting the last named plate about the axis of is pivot.

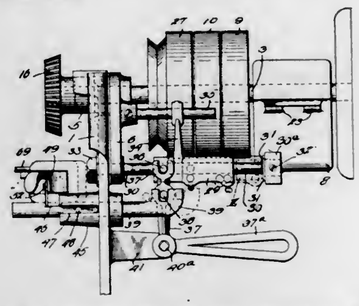
1,463,407. ADJUSTABLE FORMING OUTLET NOZZLE. ALBERT SHARP and GEORGE SHARP, Bayonne, N. J. Filed June 9, 1921. Serial No. 476,249. 3 Claims. (Cl. 31—65.)



1. In a nozzle the combination of walls forming a passage therethrough, one of said walls comprising a stationary member having an inclined bearing face and an elongated opening therethrough, a threaded lug extended from the stationary member, an adjustable wedge shaped member with one face thereof bearing against said inclined bearing face, the said wedge shaped member having a face thereof parallel to the face of the wall of the nozzle, opposite thereto, a lug extending from the wedge shaped member, a screw having a shank, said screw in threaded engagement with said threaded lug, the shank supported in the lug extending from the wedge shaped member, means to maintain said shank in its lug, a screw extending through the wedge shaped member, a head for the screw located in a cavity of the wedge shaped member, said screw extending through the elongated opening in the stationary member and a nut for the screw to clamp the wedge shaped member to the stationary member.

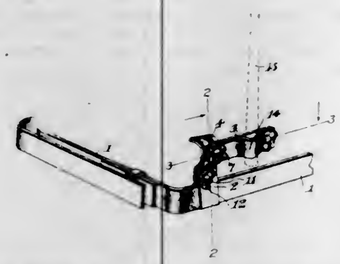
3. In a nozzle the combination of walls forming a passage therethrough, one of said walls comprising a stationary member having a threaded lug formed therewith, a wedge shaped detachable member with one of its faces bearing against the stationary member and having a lug formed therewith, a screw with its shank rotatably maintained in said lug and its threads in engagement with said threaded lug, a screw extending from the wedge shaped member and extending through an elongated opening in the stationary member and a nut for the latter screw to clamp the members together.

1,463,408. SPEED-CHANGING MECHANISM. WILLIAM HENRY SWARTZ, York, Pa., assignor to The General Machine Works, a Corporation of Pennsylvania. Filed Sept. 14, 1920. Serial No. 410,313. 4 Claims. (Cl. 66—19.)



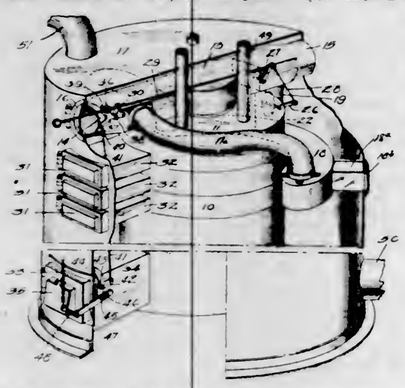
1. In a knitting machine, the combination with a rotary driven member, of means to drive said member at high speed and low speed, automatic means for shifting between high and low speeds, and hand-operated means to vary said low-speed for the purpose of adapting it to irregularities in the yarn.

1,463,409. EMBLEM HOLDER FOR AUTOMOBILE FENDERS. MARY E. THEISS, Warrensburg, Mo. Filed Jan. 14, 1922. Serial No. 529,279. 2 Claims. (Cl. 248—38.)



1. An emblem holder for automobile fenders comprising an upright clamp formed of a single narrow strip of sheet metal returned upon itself, with the doubled strip curved through the return portion and there slotted longitudinally, a clamp screw traversing the slot, and another clamp member comprising a narrow strip of sheet metal returned upon itself to constitute a flag-staff holder and capable of being made fast to the first named clamp in adjusted position.

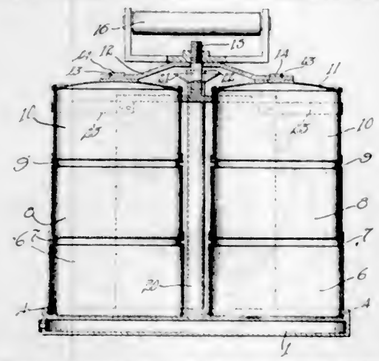
1,463,410. RADIATOR STRUCTURE FOR FURNACES. WILLIAM H. WAHL, Des Moines, Iowa. Filed Oct. 16, 1922. Serial No. 594,737. 1 Claim. (Cl. 126—102.)



In a device of the class described, the combination of a furnace combustion chamber with a hot-air chamber having its walls spaced therefrom to leave an intervening compartment, a smoke conducting and radiator structure in said compartment, comprising a pipe extending across the top of the device having an enlarged portion communicating with the combustion chamber, pipes communicating with said first pipe at the forward portion thereof and extending downwardly and rearwardly, a curved hollow drum connecting the lower end of the last-described pipes, a pipe connecting the central portion of said drum with the rear portion of said first pipe, and a cold air duct communicating with said compartment below said drum.

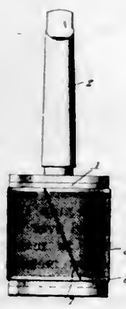
1,463,411. LUNCH HEATER AND CARRIER. JOSEPH WEISS, Chicago, Ill. Filed Sept. 5, 1922. Serial No. 586,242. 2 Claims. (Cl. 126—261.)

1. A device of the type described comprising a frame consisting of top and side plates, and a hollow base adapted to hold water, an inlet pipe communicating with said base and projecting through said top plate, said base having depressions therein, interlocking receptacles constituting a single unit when assembled, the



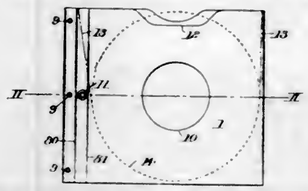
lowermost receptacle of each unit being disposed in one of the depressions, and strips carried by said frame for securing the upper receptacles to said frame.

1,463,412. SAFETY APPLIANCE FOR DRILL CHUCKS. DENVER BROWN WELLER, Washington, D. C. Filed Mar. 21, 1918. Serial No. 223,766. 3 Claims. (Cl. 279—9.)



1a. In a rotary chuck, the combination with movable jaws, of a means for actuating said jaws consisting of an oscillatory sleeve provided with shoulders adjacent its ends and a contractible band carried on said sleeve between the shoulders and having sufficient inherent contractile force to remain there and constituting a means when grasped for operating the sleeve and then permitting slippage of said sleeve while the chuck is constantly rotated.

1,463,413. ENVELOPE FOR DISK RECORDS. WILLIAM WILBURGER, Brooklyn, N. Y. Filed Oct. 12, 1921. Serial No. 507,204. 5 Claims. (Cl. 129—20.)

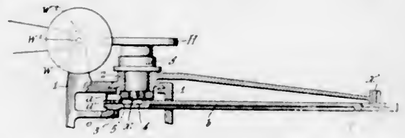


1. The combination with an envelope for disk records having an opening to display the title of a record arranged therein, of means for restricting the width

of the envelope substantially midway between its mouth and bottom to correspond substantially to the diameter of the record whereby the title thereof will be properly centered in said opening, the mouth of said envelope being considerably wider than the diameter of the record for the purpose specified.

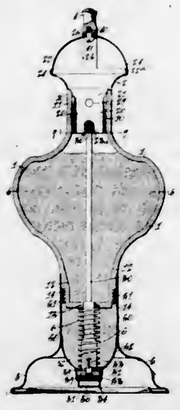
5. A double envelope for disk records formed from a substantially rectangular blank having lower portions separated by a slit and folded upon upper portions to form the two pockets, said pockets being folded upon one another with said lower portions inside and the inner margins of said lower portions being cut away along said slit to space them from the fold between the pockets for the purpose specified.

1,463,414. MACHINE FOR MANUFACTURING TOOTHED WHEELS, SCREW WHEELS, OR THE LIKE. SVEN GUSTAF WINQQUIST, Gottenborg, Sweden, assignor to Aktiebolaget Svenska Kullagerfabriken, Gottenborg, Sweden, a Corporation of Sweden. Filed Mar. 2, 1921. Serial No. 449,007. 5 Claims. (Cl. 90—3.)



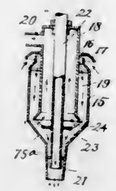
1. In a machine for manufacturing gear wheels according to the principle set forth, the combination with a tool of a link system to cause a relative rolling movement between the tool and a wheel blank to take place at both sides of the normal position of the link system, the tool being placed at a distance from the starting point for the rolling movement as determined by the link system.

1,463,415. SANITARY DISPENSING APPARATUS. FRANK YOUNGER, Wallace, Calif. Filed July 15, 1921. Serial No. 485,019. 10 Claims. (Cl. 221—62.)



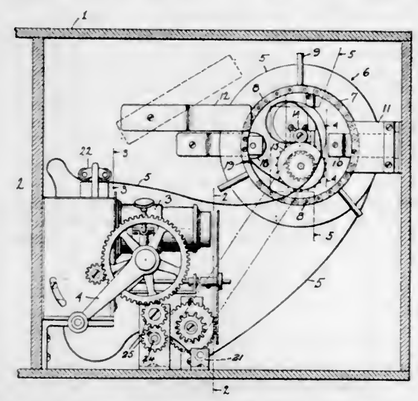
1. In a dispensing apparatus of the class described, a container, a base section including a vertical tubular extension provided with an internal funnel shaped member which constitutes the bottom for the container, the said member having a tapering outflow passage that constitutes a valve seat, means for coupling the container and the tubular extension of the base, the said container including a restricted neck, a normally closing plunger valve engaging the valve seat, a valve lifter device that includes a head having a hollow shank that closely fits and has vertical movement within the container neck, the head constituting a finger grip for raising the valve from the valve seat to open the passage and a plunger for returning the valve to the closed position when the lifter device is released.

1,463,416. AIR CLEANING AND HEATING ATTACHMENT FOR INTERNAL-COMBUSTION ENGINES. FRANK H. ADAMS, Cleveland, Ohio, assignor, by mesne assignments, to Stromberg Motor Devices Company, Chicago, Ill., a Corporation of Illinois. Filed Nov. 12, 1917. Serial No. 201,714. 16 Claims. (Cl. 183—32.)



1. In combination with an internal combustion engine, an air cleaning attachment therefor, said attachment comprising a chambered device having an air inlet, and an air outlet which is connected to the engine, and means separate from the suction in the cylinders of the engine for creating a suction on the air passing from the inlet to the outlet so as to extract therefrom foreign particles.

1,463,417. MOTION-PICTURE-PROJECTING MACHINE. WILLIAM J. BLANKENBERG, Buffalo, N. Y., assignor to The Perfect Projector Machine Company, Buffalo, N. Y., an Unincorporated Stock-Issuing Company organized by a declaration of trust under the common law of New York. Filed Sept. 24, 1920. Serial No. 412,604. 3 Claims. (Cl. 88—18.7.)



1. In a motion picture projecting machine, the combination of projecting mechanism having an operating shaft, annular means for revolubly supporting a vertical coil or film, said means being located in front of said mechanism and in a plane parallel to the focal axis and having an unobstructed side and an obstructed side, a support to which said means is hinged, stationary means effective in the operative position of said coil supporting means to prevent the displacement of the film from said unobstructed side, positively acting film feeding means located within said coil as supported by said supporting means and with which the inner convolution of the coil is en-

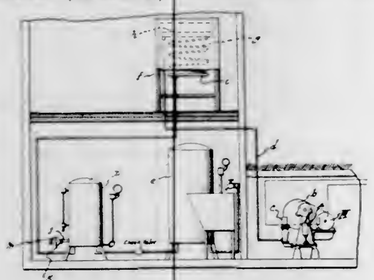
gaged, said film feeding means having an operating shaft projecting through the unobstructed side of said supporting means, and gearing operatively connecting the operating shaft of said projecting mechanism and said film feeding means to cause the latter to take film from the center of the coil, said annular supporting means being movable on its hinge toward and from the stationary means.

1,463,418. RATCHET SCREW DRIVER. HOWARD D. CHAPMAN, Baltimore, Md. Filed Dec. 21, 1921. Serial No. 523,975. 2 Claims. (Cl. 145—75.)



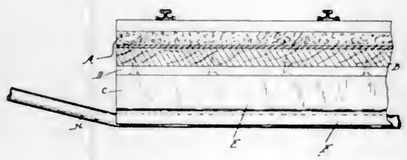
1. A ratchet screw driver of the class described, comprising a blade having a sectional handle secured to one end thereof, said handle including three (3) parts, spaced upper and lower sections rigidly secured to the blade, an intermediate power applying section freely rotatable on the blade, said intermediate section having a recess formed in its lower end, a ratchet wheel secured in said recess, said lower rigid section provided with a recess communicating with the first named recess, an operating dog mounted in the recess of the lower section, a spring surrounding said dog to normally urge it into engagement with the ratchet wheel of the power applying section, whereby upon applying rotary motion to said section it will be converted to the blade, and a ratchet dog operating means secured to the lower end of the ratchet dog and located exteriorly of the lower section, whereby the rotary motion of the blade may be governed.

1,463,419. REFRIGERATING APPARATUS. LLOYD G. COPEMAN, Flint, Mich., assignor to Edwin W. Atwood, Flint, Mich. Filed July 8, 1922. Serial No. 573,601. 6 Claims. (Cl. 257—2.)



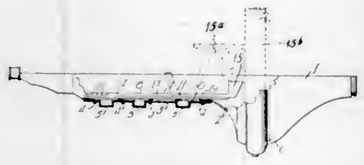
1. In refrigerating apparatus, the combination of a chamber to be cooled, a water line passing in heat-exchanging adjacency to said chamber, a pressure-controlled pump for supplying water to the water line, a storage tank, supplied with water from that portion of the water line that passes in such adjacency to the chamber to be cooled, and means for bleeding water to relieve the pressure in the storage tank at stated periods to cause the pump to supply a new charge of cold water to the portion of the water line in such adjacency with the cooling chamber.

1,463,420. TROLLEY-WIRE-HOLDING RAIL. KENNETH C. HALE, Detroit, Mich. Filed June 26, 1922. Serial No. 570,814. 5 Claims. (Cl. 191—40.)



1. The combination with a trolley wire, of a rail for supporting said wire while passing beneath a restricted clearance, said rail having a continuous web forming a rigid bearing for the wire.

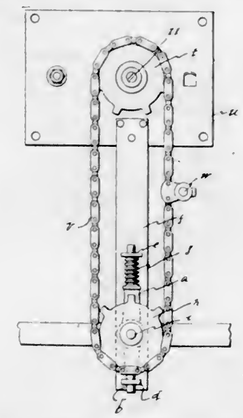
1,463,421. LUBRICATING DEVICE FOR AUTOMOBILES, ETC. RALPH B. HANSCOM, Morristown, S. Dak. Filed Oct. 15, 1921. Serial No. 507,996. 4 Claims. (Cl. 184—13.)



1. The combination with an internal combustion engine having a crank shaft and a crank case, of a single metallic member fashioned and bent for part of its length to provide a relatively large straight conduit portion having a flange extending parallel with the longitudinal axis of the straight portion, and fashioned and bent for the remainder of its length to provide an upturned lubricant receiving portion, said flange being removably secured to said crank case at the bottom thereof, whereby said straight portion is arranged to lie in a plane parallel to said crank shaft adjacent the bottom of said crank case.

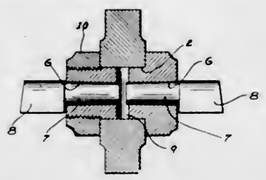
1,463,422. WINDOW REGULATOR. ERNEST E. HEINTZ, Detroit, Mich., assignor to Ternstedt Manufacturing Company, Detroit, Mich., a Corporation of Michigan. Filed Apr. 27, 1921. Serial No. 464,870. 1 Claim. (Cl. 268—4.)

In a window regulator, the combination of a pair of rotatable members, one of which is slidably supported, an endless flexible draft member running over the rotatable members, and arranged for connection with the window, means for yieldingly forcing said slidable rotatable member outwardly to tension the flexible draft member, and means for rotating one of said rotatable members including a clutch which, if uncontrolled, locks before the draft-tensioning means can return the draft member to taut relation after the draft-tensioning member has been collapsed by continued driving effort on the rotating member after the window has been stopped, the said clutch provided with



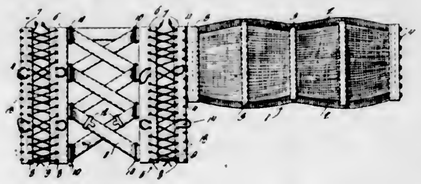
devices for retarding the clutch action so that the clutch only locks after the draft-tensioning means has returned the flexible draft member to taut relation.

1,463,423. PIVOT MOUNTING. HALVOR O. HEM, Toledo, Ohio, assignor to Toledo Scale Company, Toledo, Ohio, a Corporation of New Jersey. Filed Oct. 19, 1921. Serial No. 508,708. 6 Claims. (Cl. 74—104.)



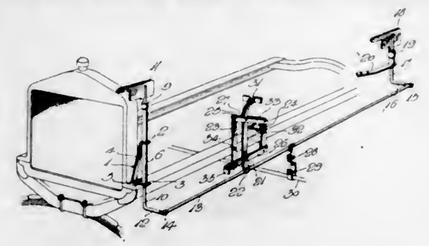
1. In a device of the class described, in combination, a pivot retainer having a portion adapted to be passed through a lever, a shoulder at one end of said portion said shoulder adapted to engage one of the sides of the lever, means adapted to engage the other side of said lever for clamping the pivot retainer in position, and a knife edge pivot separably secured to said pivot retainer.

1,463,424. BUST CONFINER AND REDUCER. JOSEPHINE L. HOLT, Portland, Oreg. Filed Nov. 26, 1919. Serial No. 340,810. 4 Claims. (Cl. 2—73.)



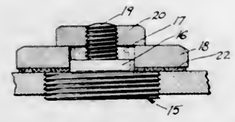
1. In combination, a back section, a bust supporting element, and means for attaching the bust supporting element to the back section in different vertical positions thereon.

1,463,425. AUTOMOBILE TURNING SIGNAL. CARL REINHOLDT KOSITZKY, Bismarck, N. Dak. Filed Mar. 12, 1923. Serial No. 624,569. 3 Claims. (Cl. 116—47.)



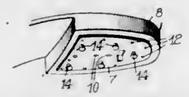
1. A turning signal for automobiles comprising upright signal operating shafts and means for mounting them at the front and rear of a machine respectively, each of said shafts having a lateral crank arm, a longitudinal rod extending between and pivoted at its ends to said crank arms, and means connected to said rod for moving the same either forwardly or rearwardly to turn said shafts simultaneously in one direction or the other, and a yieldable connection between said rod and a fixed part of the chassis to normally retain the lever in a neutral position and prevent rattling.

1,463,426. CLOSURE PLUG. ERNEST L. LANFAIR, Sawtelle, Calif. Filed Nov. 18, 1921. Serial No. 516,064. 5 Claims. (Cl. 220—39.)



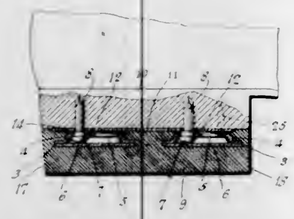
1. A closure plug comprising a screw plug, an annular projection formed in one side of the plug, a screw-threaded shank projecting from the projection, a washer mounted on the projection side of the plug, an operating nut having a socket which receives and is of the same shape as said projection, and a nut mounted on said shank and arranged to engage said operating nut.

1,463,427. DETACHABLE SHOE HEEL OF THE PLATE TYPE. CHARLES WILLIAM LAVERS, Halifax, Nova Scotia, Canada. Filed June 29, 1920. Serial No. 392,871. 2 Claims. (Cl. 36—36.)



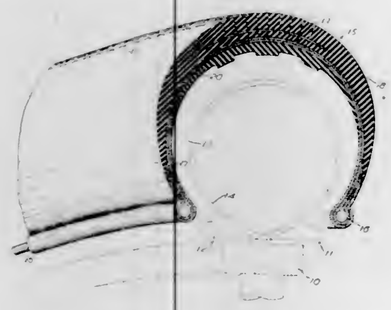
2. A shoe heel having a permanent member, a base plate secured thereon, engagement means projecting from said plate and projecting stops carried by said plate, in combination with a detachable member and a plate embedded therein and formed with slots to receive said engaging means, the material at the entrance of the throat of each slot being deflected from the normal plane to guide said engaging means thereinto, said plate being further provided with slots, one wall of each of said last named slots being engaged by one of the aforesaid projecting stops on the aforesaid base plate, to limit the travel of the second named plate relatively to the first named plate to prevent over-run and engagement of the second plate by the engaging means at the time of this disengagement.

1,463,428. DETACHABLE SHOE HEEL OF THE EMBEDDED-WASHER TYPE. CHARLES WILLIAM LAVERS, Halifax, Nova Scotia, Canada. Filed June 29, 1920. Serial No. 392,872. 5 Claims. (Cl. 36—36.)



1. In combination with a detachable shoe heel of plastic material, an attaching element of box-like construction closed on all sides and provided in one side with an opening to receive a cooperating attaching means, said element being embedded in the plastic material of said heel and by its box-like construction excluding from its interior the plastic material of said heel.

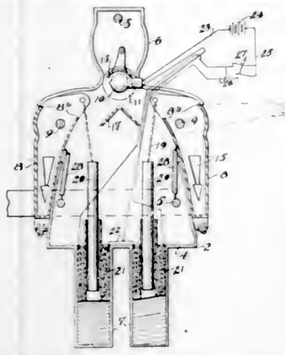
1,463,429. TIRE SHOE. MALCOLM D. LOGAN, Los Angeles, Calif. Filed Jan. 23, 1923. Serial No. 614,505. 5 Claims. (Cl. 152—17.)



3. An overshoe for pneumatic tire casings comprising an outer body portion of rubber substantially crescent-shaped, and extending over the tread and down over the sides of the casing to a point below the transverse sectional center of the casing, and stitched thereto, a fabric breaker strip embedded within the rubber directly below the tread portion of the casing, fabric layer strips, to which the body portion of the shoe is vulcanized, rigid reinforcing rings or wires disposed along the opposite edges of the shoe and along which the fabric strips are wrapped, said strips being thereafter rigid within the rubber of the casing, the tread stitching passing through the breaker strip and into the fabric strips of the shoe, said stitch occuring at intervals throughout the length of the shoe and arranged across the tread portion thereof, and a crescent-shaped layer of plastic rubber within the shoe and adapted to permanently conform to the contour and irregularities of the casing over which the shoe is mounted.

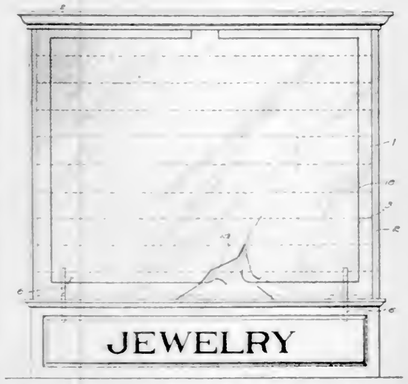
1,463,430. AUTOMOBILE SIGNAL. ASHLEY L. McMURTRY, Dunnville, Ontario, Canada. Filed Mar. 4, 1920. Serial No. 363,225. 3 Claims. (Cl. 177—327.)

2. A signal device comprising a casing, hollow pivoted swinging arms secured to the casing, signal windows in the arms, a single light in the casing intermediate the hollow arms, and a reflector adapted to reflect the rays



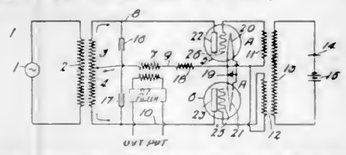
of said light into the hollow arms when they are in horizontal position.

1,463,431. PROTECTIVE CURTAIN. ISIDORE NEFT and HUGH P. NASS, Seattle, Wash. Filed June 27, 1921. Serial No. 480,857. 2 Claims. (Cl. 20—40.)



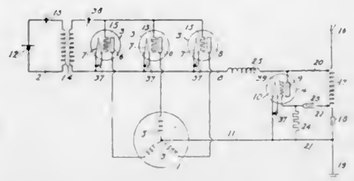
1. In a protective device for show windows, a foldable curtain having one end secured above the window, a bar secured to the free end of said curtain, an electromagnet arranged above said window adapted to attract said bar when energized to retain the curtain in a raised position, a weight carried by said bar and adapted to lower the curtain when the magnet is deenergized, and means for locking said curtain in lowered position.

1,463,432. VACUUM-TUBE APPARATUS. HAROLD W. NICHOLS, Maplewood, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y., a Corporation of New York. Filed Aug. 2, 1917. Serial No. 184,060. 21 Claims. (Cl. 179—171.)



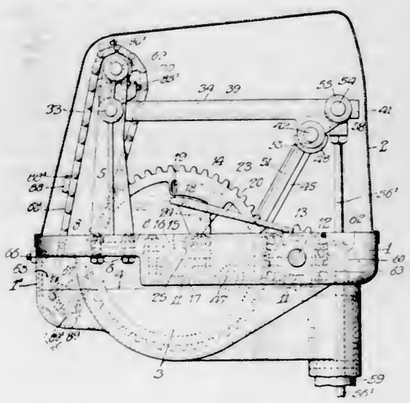
1. The combination with a plurality of vacuum tubes, of a common input circuit therefor, an output circuit for each tube, a source of alternating current common to said output circuits for supplying current to the tubes, signaling means associated with said input circuit and an oscillating current generator coupled to said output circuits.

1,463,433. SIGNALING. HAROLD W. NICHOLS, Maplewood, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y., a Corporation of New York. Filed Dec. 4, 1918. Serial No. 265,255. 29 Claims. (Cl. 179—171.)



10. In a signaling system, a modulating device, a source of multi-phase alternating electromotive force, and signal controlled rectifying means to impress from said source upon said device a unidirectional voltage which varies in accordance with signals.

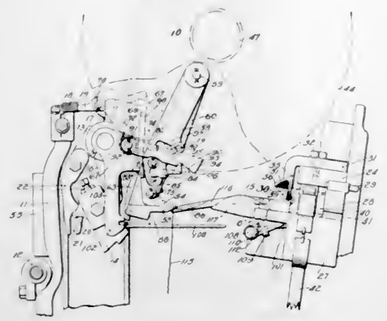
1,463,434. WINDMILL. MOSES C. NIXON, Chicago, Ill. Filed Jan. 3, 1921. Serial No. 434,754. 34 Claims. (Cl. 184—4.)



3. In a windmill, the combination with a supporting frame constructed to embody an incasement, of stud-shafts supported by said frame, anchors adapted to rigidly secure said shafts in position and permit their adjustment to alignment with each other without perforation of the incasement, gear wheels revolubly mounted upon said shafts, a container for lubricant, and means adapted to convey lubricant from the container to the stud-shafts for lubricating the bearings of said gears.

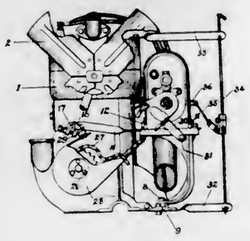
1,463,435. AUTOMATIC LOOM. JONAS NORTHROP, Hopedale, Mass., assignor to Hopedale Manufacturing Company, Milford, Mass., a Corporation of Massachusetts. Filed Mar. 18, 1918. Serial No. 223,097. 18 Claims. (Cl. 139—259.)

7. A loom having, in combination, a lay, weft replenishing mechanism, loom controlling devices, a shuttle box at the replenishing end of the lay having its front wall so constructed that when the shuttle is boxed the eye of the shuttle is beyond the outer end of the front wall, means for clamping the outgoing filling end between the outer end of the front wall of the shuttle box and the shuttle eye, and means for severing the filling between the clamping means and the ejected bobbin.



14. A loom having, in combination, a lay, a self-threading shuttle having a threading block in its top side and an eye in its front side, weft replenishing mechanism, and means on the lay for guiding the incoming filling end down into the plane of the shuttle eye as the shuttle is picked following the replenishing operation.

1,463,436. ELECTRIC-GENERATOR-OPERATING MEANS. EDWARD B. NOWOSIELSKI, Bloomfield, N. J., assignor to Splitdorf Electrical Company, New York, N. Y. Filed Aug. 5, 1922. Serial No. 579,868. 11 Claims. (Cl. 123—195.)

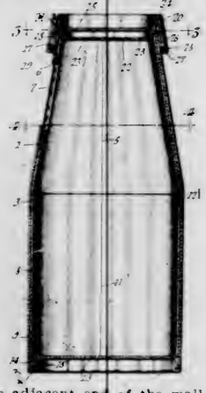


1. Means for operating an electric generator from an engine consisting of; a bracket having arms with points of attachment to said engine, a brace having one end fastened to the engine and the other end to the bracket, devices on the brace for positioning the generator on the bracket, means for holding the generator in engagement with said devices and to the bracket, and means for driving the generator from the engine.

1,463,437. PAPER MILK BOTTLE. RUTH M. OLIVER, New York, N. Y., assignor to Mrs. Lydia B. Koch, New York, N. Y. Filed Dec. 11, 1922. Serial No. 606,133. 12 Claims. (Cl. 229—4.5.)

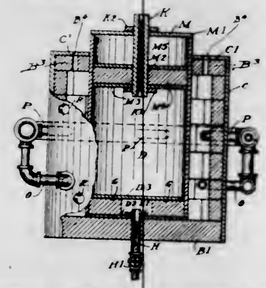
1. A bottle formed of sheet paper, its body comprising interfitting sections placed end to end and forming a lap joint at their meeting ends.

10. A paper bottle including a paper wall, and a neck ring of paper having an inturned edge portion engaging and secured to the wall, the free edge of said inturned



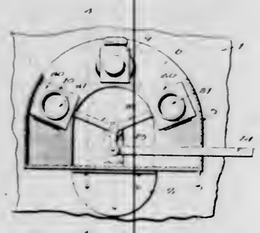
portion and the adjacent end of the wall co-operating to provide a disk supporting shoulder surrounded by the neck ring.

1,463,438. CARBONIZING FURNACE. NELS OLSEN, San Leandro, Calif. Filed Mar. 1, 1920. Serial No. 362,372. 4 Claims. (Cl. 266—5.)



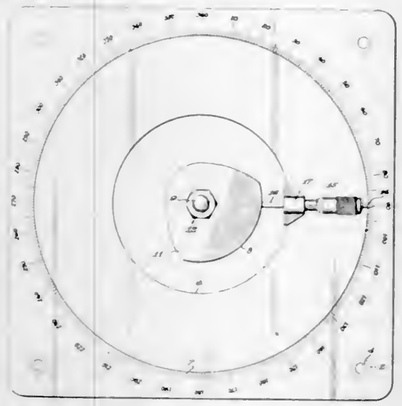
1. In a device of the character described the combination of a closed non-rotatable cylindrical inner chamber, an enclosed outer chamber surrounding the inner chamber, a plurality of fuel nozzles extending into the annular chamber a spaced distance apart means for feeding fuel into the fuel nozzles, and means for placing pieces of metal therein for heat treating so that they will not touch each other.

1,463,439. SIGNAL. WILLIAM J. PECK, White River Junction, Vt., and ELLE R. CHASE, West Lebanon, N. H. Filed May 2, 1922. Serial No. 557,565. 2 Claims. (Cl. 116—30.)



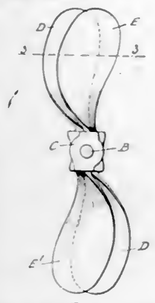
2. A signal of the class described including a casing, a source of illumination in the casing, a shaft rotatable in the casing, a pair of diverging arms extending from the shaft, members on said arms, each member comprising a pair of panels to be used as flags in daytime disposed at right angles to each other, and windows in the panels adapted to be moved with the panels in association with the source of illumination in the manner and for the purpose specified.

1,463,440. TESTING DEVICE. STEPHEN PICHLER, Detroit, Mich. Filed July 26, 1922. Serial No. 577,652. 3 Claims. (Cl. 33—1.)



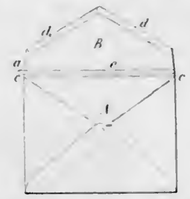
1. Means for ascertaining the inaccuracies of a curvilinear surface on a piece of work comprising a plate having graduations and an opening to receive the piece of work, means for holding the piece of work in a defined position relative to the wall of the plate opening, and means having a constant radial relation to the piece of work and slidable on and circumferentially of the marginal edges of the plate opening, and adjustable to and from the axis of the plate opening adapted to engage the piece of work and permit of an inaccuracy in the piece of work being ascertained, said means including a pointer overlying said plate and movable relative to the graduations thereof.

1,463,441. PROPELLER. RICHARD PIKE, St. John's, Newfoundland. Filed Dec. 10, 1921. Serial No. 521,278. 3 Claims. (Cl. 170—165.)



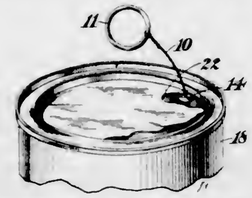
1. A device adapted for use as a propeller, consisting of a rotary structure comprising a hub and pairs of blades extending therefrom, said pairs being spaced equidistant circumferentially, the two blades of the same pair forming portions of similar spirals and being offset along the axis of rotation by about half the width of said blades, so that one blade will be in front of the other, the longitudinal axes of all the blades forming the same angle with the axis of rotation, the rear blades having their corresponding points in the same planes perpendicular to said axis, and the front blades likewise having their corresponding points in the same planes perpendicular to said axis, the rear blade of each pair being offset circumferentially relatively to the front blade of the same pair and, when viewed in a direction along the axis of rotation, overlapping such front blade by at least one-half of its area, the circumferential offset being in such direction that such rear blade will be the leading blade, during the rotation of the device in the normal direction, to secure an efficient consecutive contact of the fluid with the two blades of the same pair.

1,463,442. ENVELOPE, POSTAL WRAPPER, OR THE LIKE. ALBERT SAMUEL, Paris, France. Filed Aug. 19, 1921. Serial No. 493,655. 1 Claim. (Cl. 229—85.)



An improved envelope, capable of being opened without necessitating any special tool, the said envelope being provided on its inner face in a position parallel to the line along which the closing flap is folded with a narrow band on which a semi fluid substance or varnish is applied so as to render the paper thicker, the paper being formed opposite to this narrow band on one side with a protruding tongue.

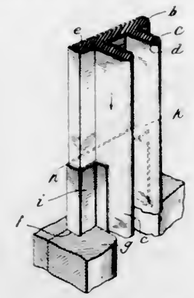
1,463,443. OPENING DEVICE FOR CLOSED OR SEALED TINS AND CONTAINERS. WILLIAM SELBY-FAYERS and ERNEST RAYER GATES, Surrey, England, assignors to The West Surrey Central Dairy Company, Limited, Guildford, England. Filed Dec. 28, 1921. Serial No. 525,364. 9 Claims. (Cl. 220—48.)



1. The combination of a sealed can with an opening device comprising a cutting wire extending through a hole in the can at a point near the junction of the side and end walls thereof, said hole being sealed around the wire, a body which is attached to the inner end of the wire and which is greater in at least one of its dimensions measured transversely to the axis of the wire than the width of the hole aforesaid and of the cut to be made by the wire, and means at the outer end of the wire to permit the device as a whole to be drawn bodily by hand to effect the cutting operation.

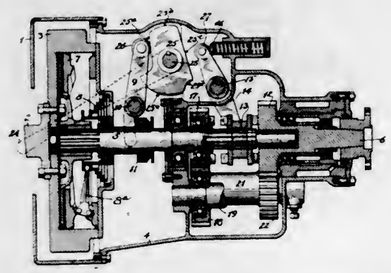
1,463,444. REMOVABLE WINDOW GUIDE. EMORY GLENN SIMPSON, Detroit, Mich., assignor to Fisher Body Corporation, Detroit, Mich., a Corporation of New York. Filed May 1, 1922. Serial No. 557,780. 8 Claims. (Cl. 296—44.5.)

2. In a body construction, the combination of a window well and a window post provided on its face with a channel member having one or more laterally offset grooves, and a channeled window guide that can be slid into the channel and the offset groove or grooves from the top of the window well, a portion of the channelled guide interlocking in the groove or grooves offset from the



channel member on the face of the post, whereby the said window guide may be placed in the window well after the same has been closed.

1,463,445. POWER-TRANSMISSION MECHANISM. BENJAMIN C. SMITH, Westfield, N. J., assignor to Standard Motor Construction Company, Jersey City, N. J., a Corporation of New Jersey. Filed Nov. 25, 1922. Serial No. 603,150. 11 Claims. (Cl. 74—59.)

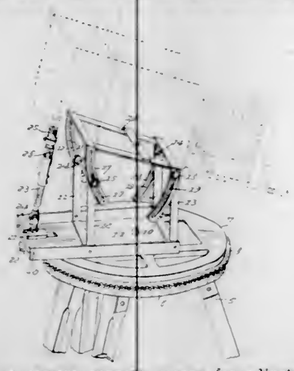


1. In a power transmission mechanism, a driving shaft, a motor clutch therefor, a driven shaft, a train of reversing gears leading from the driving to the driven shaft, said train being normally free of one of said shafts, a sliding clutch, shifting means for said sliding clutch for moving the latter into one position to connect said driving and driven shafts for like rotation and for moving said sliding clutch into another position for connecting said reversing gear train with both of said shafts for reverse rotation of said driven shaft, shifting means for said motor clutch, and a manually operable means co-acting with both of said shifting means and operating to release the motor clutch preparatory to releasing the sliding clutch and to cause the motor clutch to move into clutch engagement after the sliding clutch has been moved into either of its aforesaid operative positions, said manually operable means comprising a cam having two separate inclined portions for operating on the aforesaid shifting means, with two high neutral portions for holding one of said shifting means in a certain position for certain times while said cam is operating upon the other shifting means.

1,463,446. CAMERA. SCOTT SNOWDEN, Modesto, Calif. Filed Sept. 19, 1921. Serial No. 501,573. 6 Claims. (Cl. 95—15.)

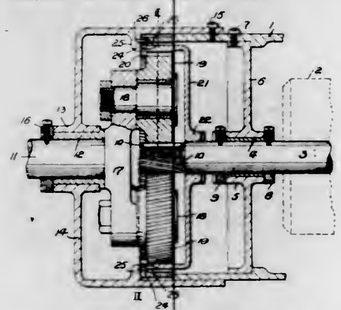
1. In a camera support, a tripod having a ring rack on its head, a disk rotatably mounted on the tripod, a base

carried by the said disk, a rotatably mounted shaft carried by the base, a pinion on the said shaft engaging the



ring rack, a camera support, means for adjustably connecting the camera support to the said base at each end of the said camera support.

1,463,447. REDUCTION-GEAR MECHANISM. AMBROSE C. STAHL, Detroit, Mich. Filed Dec. 14, 1918. Serial No. 266,684. 1 Claim. (Cl. 74—34.)



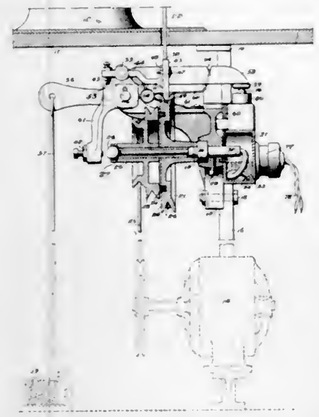
In a reduction gear mechanism, a housing, a drive shaft extending in said housing, a driven shaft extending in said housing, a stationary internal rack in said housing, spiral gears supported from said driven shaft and bodily movable thereby about the axis of said driven shaft and meshing with a gear portion of said drive shaft, and means including a thrust gear shiftable on said drive shaft adapted to be operatively interposed between said spiral gears and said stationary internal rack to be held stationary relative to said drive shaft by said internal rack to effect a change in speed between said drive and driven shafts.

1,463,448. FOLDING BOX. EDGAR L. STERN, San Francisco, Calif. Filed Apr. 27, 1921. Serial No. 464,921. 4 Claims. (Cl. 229—35.)



1. A box comprising a rectangular body panel, end panels formed at the opposite ends of said panel, side panels, tongues formed on the ends of the end panels, slots formed in the side panels for receiving the tongues, said slots permitting the side and end panels to be folded over the body panel and interlocked and instantly erected when interlocked without bending the tongues and co-operating means on the tongues and slots whereby the panels will be held rigid when interlocked and in their erect position and to resist collapsing thereof back to their positions.

1,463,449. ELECTRICALLY-CONTROLLED POWER TRANSMISSION. MAX TAIGMAN, New York, N. Y. Filed June 7, 1921, Serial No. 475,781. Renewed Apr. 21, 1923. 40 Claims. (Cl. 192—2.)

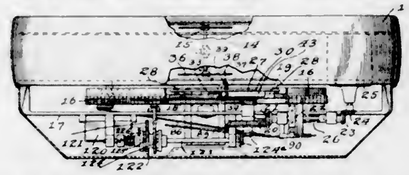


1. An article of manufacture complete in itself and constituting the controlling connection between a downwardly extending motor driven belt and an upwardly extending machine driving belt, said article comprising a supporting bracket adapted to be secured to the frame of the machine to be driven, a combined two-pulley clutch with one of the pulleys adapted to receive the driven belt and the other pulley adapted to receive the driving belt and a brake for braking the movement of the pulley carrying the driven belt, said brake and clutch carried by the bracket and a single control also carried by the bracket and adapted to be connected to a pedal for actuating the clutch, brake and circuit closer in proper operative sequence, said article being removable from the machine as a unit after the belts are slipped off their pulleys.

12. In a device of the class described the combination of a support, a lubricant receptacle mounted on one side of the support, a hollow shaft extending through the support with one end terminating in the receptacle and the other end projecting from the opposite side of the bracket, a pair of clutch pulleys carried by said projecting part of the shaft; a roller bearing carried by one of the pulleys adapted to be engaged by a shifter to move the pulleys into a driving relation and a wick in said hollow shaft with one end in said receptacle and the other end adjacent the roller bearing.

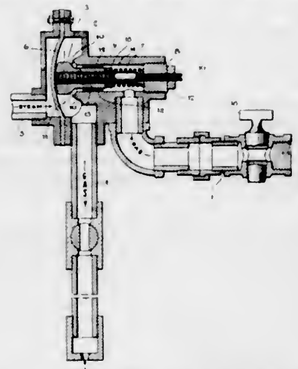
1,463,450. RECORDING SCALE. EDWARD G. THOMAS, Toledo, Ohio, assignor to Toledo Scale Company, Toledo, Ohio, a Corporation of New Jersey. Filed Mar. 29, 1918. Serial No. 225,478. 12 Claims. (Cl. 265—9.)

1. In a recording scale, the combination of a scale including a member positionable in accordance with the weight on the scale, a spring-propelled printing hammer, electrical means for retaining the printing hammer in inoperative position, a circuit breaker in the circuit of said electrical means adapted to move in a line parallel to the line of motion of said member and having a part projecting into the path thereof, a type-carrying device



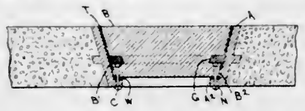
moving with the circuit breaker and adapted for cooperation wtih said hammer, and means for imparting motion to said circuit breaker.

1,463,451. GAS-REGULATING VALVE. LEO EUGENE TROSCLAIR, New Orleans, La. Filed Jan. 21, 1922. Serial No. 530,981. 6 Claims. (Cl. 236—26.)



6. The combination of a barrel having a valve seat, a valve adapted to engage the seat, abuttable means carried by the barrel adapted to check the seating movement of the valve to leave a by-pass, means carried by the valve adapted to engage said abuttable means, and means on said valve-carried means enabling adjustment thereof in respect to said abuttable means to compensate for a grinding of the valve surface.

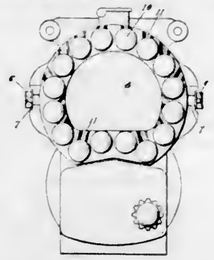
1,463,452. VAULT LIGHT. WILLIAM L. WALKER, New York, N. Y. Filed May 3, 1919. Serial No. 294,380. 11 Claims. (Cl. 94—29.)



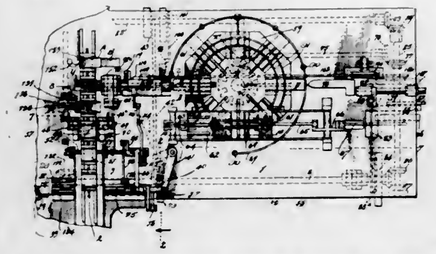
1. A vault light, comprising a supporting member, a lens in said member having a circumferential groove, a gasket in said groove for the purpose of providing a water-tight joint between said member and said lens, and sealing material above said gasket and between said lens and said member.

1,463,453. DISTRIBUTOR BLOCK AND METHOD OF MAKING THE SAME. LEO J. WERNER, Arlington, N. J., assignor to Splitdorf Electrical Company, Newark, N. J. Filed July 22, 1918. Serial No. 246,177. 5 Claims. (Cl. 200—19.)

1. A distributor block for ignition generators having, an internal bore with electrical contacts arranged around the periphery of said bore and an external recess with terminals on the block arranged around said recess with connectors extending to said contacts, said external recess serving as a receptacle for electrical cables running to a portion of said terminals.

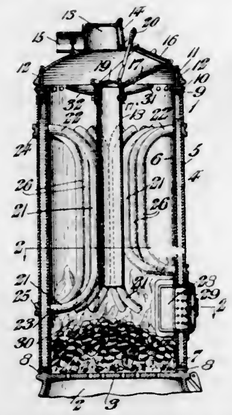


1,463,454. BOX-MAKING MACHINE. ERNEST D. ANDERSON and CARL BECKMANN, New York, N. Y., assignors to E. D. Anderson, Inc., New York, N. Y., a Corporation of New York. Filed May 19, 1921. Serial No. 470,935. 27 Claims. (Cl. 93—55.)



1. A box making machine comprising means to supply collapsed outer and inner box members, means to open said members separately, devices to bring opened outer and inner members into register, and means to insert the inner members into the outer members successively.

1,463,455. STEAM AND WATER BOILER. CHRISTIAN F. BACHLER, Philadelphia, Pa. Filed Apr. 30, 1919. Serial No. 293,777. 1 Claim. (Cl. 122—168.)



In a boiler of the character stated, a body having a water jacket, a dome having a fuel inlet therein, means for connecting said dome with said body, a central magazine,

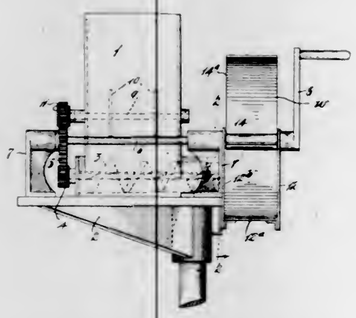
a closure for said magazine mounted on the top thereof, means for operating said closure from the exterior of said dome, a fuel directing chute connected with said dome and extending inclined from said inlet to said magazine, a collar on the inner end of said chute with which said magazine is connected and by which it is sustained in said body, a baffle plate in the body around the upper end of said magazine, and connected therewith, and a series of U-shaped water receiving tubes between the base and dome of the boiler surrounding said central magazine below said baffle plate and communicating with said water jacket.

1,463,456. CLOTHESLINE FASTENER. EDWARD BEAR, New York, N. Y. Filed Jan. 12, 1922. Serial No. 528,699. 1 Claim. (Cl. 24—129.)



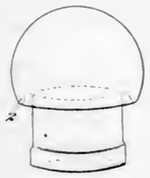
A clothes line clamp comprising a body part having a reduced end, a sleeve formed at the end of said body oppositely disposed to said reduced part, a lower hook on said sleeve, a perforated crown on the reduced end of said clamp adapted to allow the passage of one end of a line to be knotted behind said crown, two lateral hook portions in said crown for guiding the free end of the line passed through said sleeve around said lower hook, from below over one of the said lateral hooks and over the upper face of said body through the other of said lateral hooks, substantially as described and for the purpose set forth.

1,463,457. FEED REGULATOR. CARL BECKMANN, New York, N. Y., assignor to E. D. Anderson, Inc., New York, N. Y., a Corporation of New York. Filed July 30, 1920. Serial No. 400,055. 3 Claims. (Cl. 83—44.)



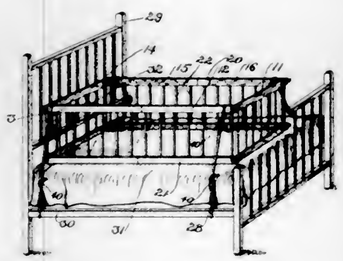
1. The combination of a hopper having an axially disposed delivery outlet, a worm axially disposed with relation to said outlet to deliver material from the hopper through the outlet, a receiving guideway having a side opening communicating with the outlet and disposed in the axis of the worm to receive material therefrom, a blade rotative in the guideway and disposed parallel with the axis of the worm and having an edge operative across said side opening adapted to cut charges of material as delivered by said worm to the guideway, said blade having an outer edge operative along a wall of the guideway to push the material from the guideway, and gearing connecting the worm and the blade for rotating them in unison.

1,463,458. CUPPING GLASS. JAIME CATEULA, Buenos Aires, Argentina. Filed May 23, 1922. Serial No. 563,126. 1 Claim. (Cl. 128—297.)



A cupping device of glass or other suitable material and of any convenient size, provided with an annular groove in the interior thereof, either parallel or otherwise arranged with regard to the mouth thereof, at any suitable level of the same, for the purpose of gathering and retaining the slight excess of burning fluid which spreads over the inner walls of the cup as the latter is being turned into its operative position, all substantially as above described with reference to the accompanying drawings and for the purposes set forth.

1,463,459. PORTABLE CRIB. DOROTHY DEWEY COMSTOCK, Dedham, Mass. Filed Jan. 19, 1921. Serial No. 438,371. 2 Claims. (Cl. 5—58.)

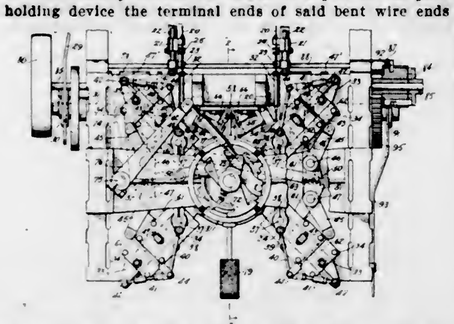


1. A folding crib for use on a bed comprising sides and ends somewhat shorter than the sides and ends of the bed respectively, so as to rest on the bed coverings along the sides and foot of the bed with a space between the upper end of the coverings and the head of the crib, in combination with flexible fastening means adapted to hold the crib in place on the bed, the sides of the crib being approximately twice as long as the ends and being divided in the middle, the sections so divided being hinged together, thereby affording six light, rigid sections of approximately equal length, whereby the crib may be folded with the sections in parallel juxtaposition to fit into an oblong casing.

1,463,460. SEALING MACHINE. SIMON COOPER, Brooklyn, N. Y., assignor to Menasha Wooden Ware Co., Menasha, Wis., a Corporation of Wisconsin. Filed Nov. 21, 1919. Serial No. 339,757. 40 Claims. (Cl. 140—93.)

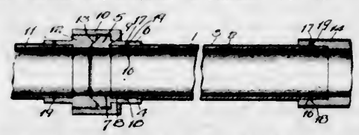
1. In a machine of the character described, a pail-holding device, means for cutting a measured length of wire means for bending the ends of said measured length

of wire radially toward the center of a pail on the pail-holding device the terminal ends of said bent wire ends



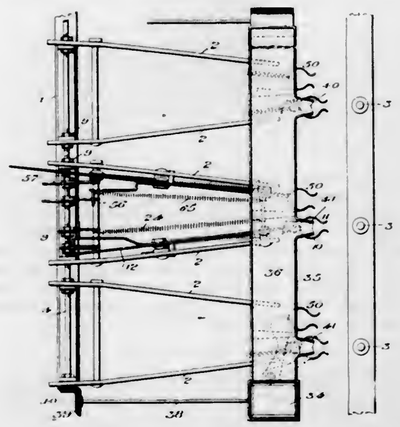
projecting beyond the bending means and means for advancing said bending means for driving said bent ends of the wire into the pail thus held.

1,463,461. SANITARY PIPING AND FITTING THEREFOR. WILLIAM J. DAVIS, Chicago, Ill. Filed Sept. 27, 1920. Serial No. 413,209. 9 Claims. (Cl. 137—75.)



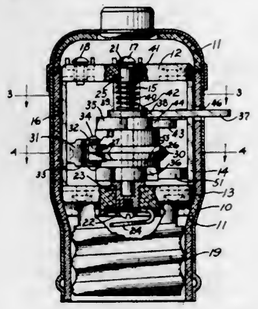
1. In a device of the kind described and in combination, a pipe enameled on the interior and exterior surfaces, the enamel on one surface being spaced back from the end and the surface of the exposed part tinned, a fitting constructed to fit said pipe at said exposed tinned surface and tinned thereat, the pipe and fitting being sweated together at said tinned faces to produce a soldered and substantially permanent joint thereat, said fitting enameled on one surface thereof so as to be perfectly flush with the correspondingly enameled surface of the pipe.

1,463,462. DOFFING AND DONNING MECHANISM. HUGH P. EANES, Martinsville, Va., assignor, by mesne assignments, to William Ward Miller, Martinsville, Va. Filed Mar. 22, 1921. Serial No. 454,448. 9 Claims. (Cl. 118—18.)



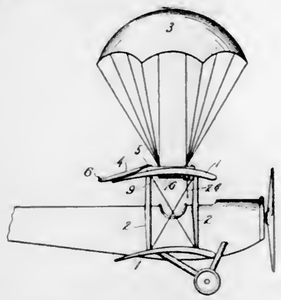
1. Doffing and donning mechanism comprising a doffer adapted to engage a full quill preliminary to removal of the full quill from a spindle, a donner adapted to carry an empty quill for application of the empty quill to such spindle, and cams whereby the doffer is actuated to effect such removal of the full quill and whereby the donner is actuated independently to place the empty quill upon the spindle.

1,463,463. SWITCH MECHANISM. LEWIS L. EVANS, Bridgeport, Conn., and GERALD M. HART, Wilkes-Barre, Pa. Filed May 10, 1920. Serial No. 380,063. 3 Claims. (Cl. 173—346.)



1. In a switch mechanism, a rotatable contact wheel the perimeter of which includes contacts and insulating material separating the contacts, insulating blocks supporting the rotatable contact wheel, upper and lower ratchets carried by the contact wheel, means for actuating the upper ratchet, cooperating means engaging the lower ratchet whereby the proper position of the contact wheel is insured, and a rotatable contact member having rolling connection with the contact wheel and adapted to alternately engage said contacts and insulating material.

1,463,464. SAFETY DEVICE FOR AIRPLANES. THOMAS HUNT FURMAN, Brooklyn, N. Y. Filed July 16, 1918. Serial No. 245,143. 3 Claims. (Cl. 244—21.)

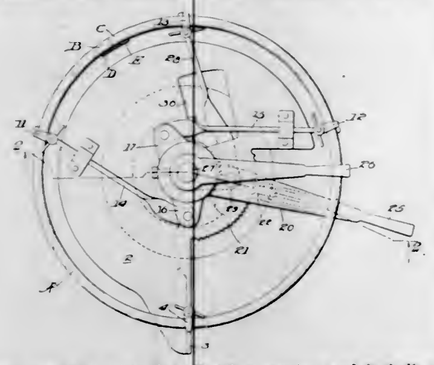


1. The combination of an airplane having an opening in its top, a parachute attached thereto immediately over said opening and a cover for said parachute with means for locking said cover and manual means for releasing said locking means, said locking means comprising slats normally forming a part of the supporting plane of said airplane.

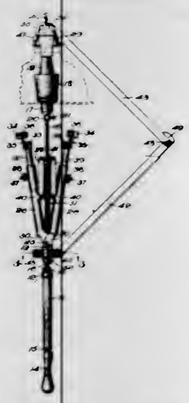
1,463,465. DEMOUNTABLE-RIM STAND. LOUIS J. GENETT, Marquette, Mich., assignor of one-half to John M. Longyear, jr., Marquette, Mich. Filed Apr. 12, 1920. Serial No. 373,182. 1 Claim. (Cl. 157—1.)

A rim adjusting device comprising a support, rim securing means fixed thereon, an adjusting member rotatably fulcrumed on the support, a pair of links eccentric-

ally pivoted to said member at opposite sides of its axis and terminating in pivotally attached clamps adapted to engage the rim at opposite sides of a separable joint, together with a deforming device fulcrumed on said support coaxially with the adjusting member and including a pivoted link terminating in a pivotally attached clamp positioned to engage the rim near its separable joint, said link being a rigid member adapted for moving the end portion of the rim inwardly or outwardly.



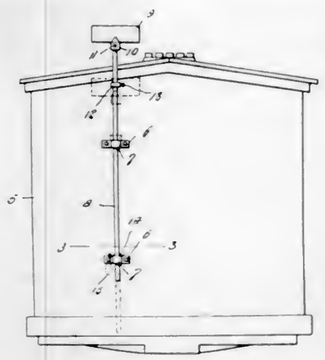
1,463,466. LAMP-BULB INSTALLING AND REMOVING DEVICE. HAROLD D. GRINNELL, Pittsfield, Mass., assignor to The G. C. A. Manufacturing Company, Pittsfield, Mass., a Corporation of Massachusetts. Filed May 22, 1922. Serial No. 562,684. 10 Claims. (Cl. 294—21.)



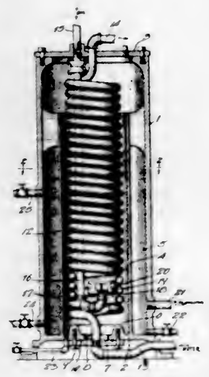
1. In a device of the class described, in combination, a support, means for holding a lamp bulb, means for holding the lamp shade and means for holding the lamp socket, all mounted in cooperative relationship on said support.

1,463,467. FREIGHT-CAR SIGNAL. NED EARL HAYWARD, Holyoke, Mass. Filed Mar. 26, 1923. Serial No. 627,647. 3 Claims. (Cl. 116—30.)

3. In combination with a freight car, a pair of spaced bearing collars upon one end of the car and adjacent one side thereof, a rod freely slidable within said collars, an indicating plate upon the upper end of the rod, an adjustable collar upon said rod between the uppermost bearing collar and said indicating plate, said adjustable collar adapted for support upon the uppermost bearing collar for limiting the downward movement of the rod within the bearing collars, said rod being formed with an opening at a point adjacent its lower end, and a cross pin adapted for reception within said opening, and for support upon the lowermost bearing collar for maintaining the rod in a raised position, whereby the indicating plate may be viewed.



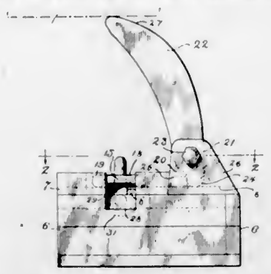
1,463,468. CONDENSER. JAY G. HUNTER, Sabula, Iowa. Filed July 6, 1920. Serial No. 394,242. Renewed Jan. 13, 1923. 7 Claims. (Cl. 257—229.)



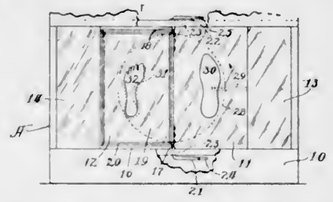
1. In a condenser of the kind described and in combination, a plurality of receptacles providing a plurality of chambers, one constituting substantially a cooling chamber and the other a chamber for the accumulation of condensed gas, means for conducting gas to be condensed into the cooling chamber, means for preventing the discharge of gas through said conducting means from said cooling chamber and means for conducting a cooling medium through the cooling chamber.

1,463,469. CHAIN-MAKING APPARATUS. JOSEPH JOHNSON, Lebanon, Pa. Filed Oct. 29, 1921. Serial No. 511,438. 6 Claims. (Cl. 59—22.)

1. Link stud inserting apparatus including a base; a movable and a fixed die block mounted on said base, and arranged for inserting a chain link therebetween; means slidably mounted on said base and having means for engaging said movable die block; curved means for supporting a stud inserted in said link; and a lever pivoted on said base and swingable to move said slidable means and with it the movable die block to force the sides of said link into locking engagement with the ends of said stud; substantially as described.

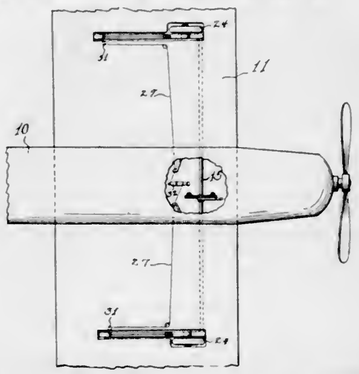


1,463,470. DISPLAY DEVICE. ROSS H. JOHNSON, St. Paul, Minn. Filed Dec. 8, 1919. Serial No. 343,219. 18 Claims. (Cl. 40—34.)



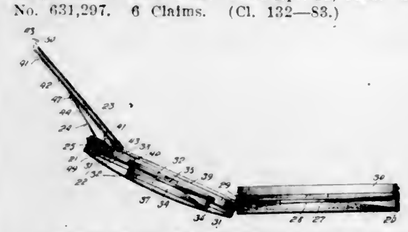
1. A display device, including a display window having two displays and means adapted to carry another display so as to be brought adjacent said display window at each of said displays to make a comparison of said display.

1,463,471. LANDING CARRIAGE FOR AEROPLANES. GEORGE W. KADEL, Dallas, Tex. Filed Oct. 6, 1921. Serial No. 505,...5. 2 Claims. (Cl. 244—2.)



1. In an aeroplane, the combination of a fuselage, wings extending from the fuselage, wings extending from the fuselage and each having a recess in its underside, a pair of struts hinged in each wing recess, a ground wheel carried by one of the struts, a sliding shoe co-acting with each pair of struts, and a spring latch engaged by the shoe for locking the struts in landing position.

1,463,472. VANITY BOX. NATHAN KASDAN, New York, and DANIEL POLLACK, Brooklyn, N. Y., assignors to Majestic Machine & Tool Co., Inc., New York, N. Y., a Corporation of New York. Filed Apr. 11, 1923. Serial No. 631,297. 6 Claims. (Cl. 132—83.)



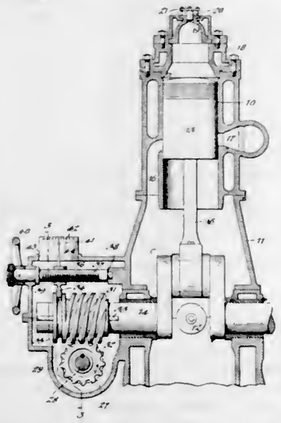
1. A vanity box or case comprising a body portion having a rim and adapted to receive a powder compact and its pad, a cover having a skirt hinged to the rim of said body portion, a disk frame fitted within said cove and having a walled opening adapted to receive a rouge compact and its pad, a mirror and a link hingedly connecting the back of said mirror at a middle portion thereof to the forward portion of said disk frame, said mirror being between said disk frame and the body of the box and adapted when the box is closed, to close the outer ends of the chambers for said compacts, and said link permitting the mirror, when the box is open, to be lifted at its forward edge and drawn upwardly and forwardly to expose the rouge-compact and be given an inclined position against the link at the forward edge of the open cover.

1,463,473. BROACHING TOOL. FRANCIS J. LAPOINTE, Ann Arbor, Mich. Filed Dec. 2, 1921. Serial No. 519,500. 4 Claims. (Cl. 90—33.)



4. A device of the class described having a plurality of cutting members of the same diameter having cylindrical peripheries of different widths and front faces perpendicular to said peripheries.

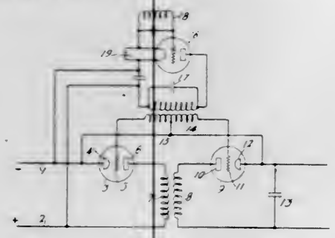
1,463,474. TIMING DEVICE FOR INTERNAL-COMBUSTION ENGINES. ARTHUR A. LAZIER, Buffalo, N. Y. Filed July 19, 1920. Serial No. 397,206. 8 Claims. (Cl. 123—139.)



1. In a timing device for internal combustion engines, the combination of means for injecting fuel into the engine, a crank shaft, a cam shaft carrying a cam for

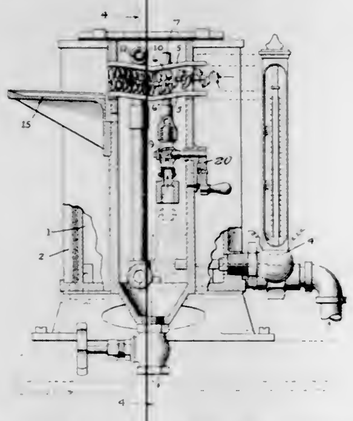
actuating said fuel injection means, transmission members on said shafts, respectively, for imparting motion from the crank shaft to the cam shaft, the transmission member on said crank shaft being slidable lengthwise thereof to rotate said other transmission member and change the angular position of said cam, and means for shifting said slidable transmission member.

1,463,475. THERMIONIC TRANSLATING DEVICE. SIEGMUND LOEWE, Berlin, Germany, assignor to Western Electric Company, Incorporated, New York, N. Y., a Corporation of New York. Filed Mar. 19, 1921. Serial No. 453,842. 6 Claims. (Cl. 179—171.) (Granted under the provisions of the act of Mar. 3, 1921, 41 Stat L., 1313.)



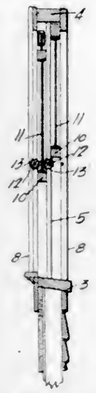
1. In combination, a source of direct current, a variable impedance element in circuit therewith, a second circuit inductively connected to said first-mentioned circuit whereby variations in the current flowing in said first circuit induces electromotive forces in said second circuit, and common means connected to said variable impedance element and to said second circuit for simultaneously controlling the impedances of said two circuits.

1,463,476. COATING DEVICE. CHARLES H. MACDONALD, Montclair, and LEROY L. SALFISBERG, Newark, N. J., assignors to Ivers-Lee Company, Newark, N. J., a Corporation of Delaware. Filed July 8, 1920. Serial No. 394,717. 6 Claims. (Cl. 91—44.)



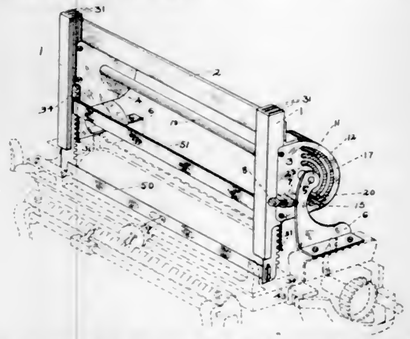
1. A coating device for a strip bent transversely to form portions arranged in zig-zag relation, comprising a container for coating material, means for applying said material to opposed faces of said portions, and means for yieldingly resisting advance of the coated bent strip to effect adhering contact between said opposed coated faces of portions thereof.

1,463,477. WINDOW-POLISHING DEVICE. MARTIN MADSEN, Casmalia, Calif. Filed Oct. 6, 1921. Serial No. 505,784. 4 Claims. (Cl. 15—254.)



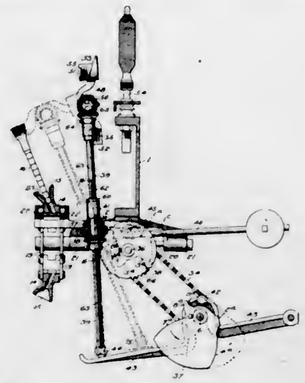
1. The combination with a window slidably supported in a casement member, of a cleaning element extending across the pane of said window and having contact with the same, one end of said element adapted to be rotatably journaled in a yieldable bearing support mounted in one side of said casement, the other end of the element having detachable non-rotatable engagement with a rotatable shaft mounted in the opposite side of said casement, mechanism for rotating said shaft, and means for actuating said mechanism from the inner side of said casement member.

1,463,478. MULTICOPY WRITER. ERNEST MAUVAIS, Seattle, Wash., assignor to Multi-Copy Writer Corporation, Ltd., Seattle, Wash., a Corporation of Washington. Filed May 6, 1922. Serial No. 558,958. 2 Claims. (Cl. 192—126.)



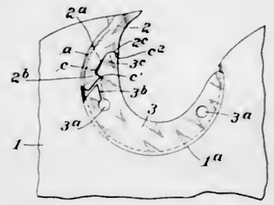
1. A device of the class described, comprising a frame attachable to the carriage of a typewriter, a pair of oppositely disposed racks mounted in the frame and slidable vertically therein, a gear wheel adapted to mesh with each rack, a shaft connecting the gear wheels, a second pair of oppositely disposed racks mounted in the frame and slidable vertically therein, a gear wheel adapted to mesh with each of the second racks, a sleeve mounted on the shaft and connecting the second gear wheels, a typewriter ribbon disposed between the lower ends of each pair of said racks, and means for imparting a rotary movement to said wheels, shaft and sleeve and a vertical movement to said racks, whereby each ribbon may be lowered to the printing point of the typewriter or raised therefrom independently of the other ribbon.

1,463,479. DOFFING AND DONNING MECHANISM. WILLIAM W. MILLER, Martinsville, Va. Filed Oct. 29, 1921. Serial No. 511,313. 38 Claims. (Cl. 118—18.)



18. Doffing and donning mechanism having combined with the doffing and donning devices thereof a conveyor which maintains empty bobbins at spaced distances apart, conveys them into position to be taken by the donning devices, receives the doffed bobbins from the doffing devices, and conveys them away.

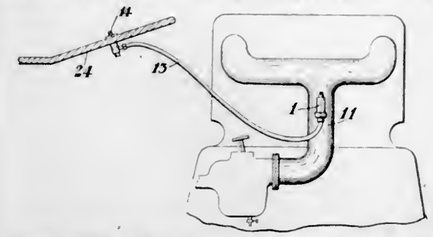
1,463,480. SAW TOOTH. JAMES H. MINER, Meridian, Miss. Filed Nov. 21, 1921. Serial No. 516,647. 3 Claims. (Cl. 143—151.)



1. An insertable saw tooth for use in saw blades having substantially semi-circular tooth receiving recesses, comprising a tooth portion provided with a recess in its lower edge having a substantially straight wall, said recess terminating in a curved shoulder at its outer end and an abrupt shoulder at its inner end, said tooth having an arc-shaped outer edge to fit the tooth receiving recess which arc-shaped edge terminates in an outer shoulder, and an arc-shaped holder having a projection at its outer end to cooperate with said curved shoulder, and an inwardly facing abrupt shoulder to cooperate with the abrupt shoulder on the tooth, said projection being a rounded shoulder on which the curved shoulder of the tooth may rock and the abrupt shoulders being so shaped that the lower or inner end of the tooth may approach the holder during the preliminary insertion, the outer shoulder of the tooth causing it to rock back when fully inserted.

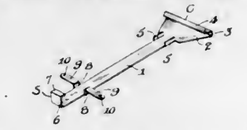
1,463,481. FUEL ECONOMIZER. VAUGHN E. MORRISON, Detroit, Mich., assignor of one-half to Carl F. Beckwith, Detroit, Mich. Filed Feb. 24, 1919. Serial No. 278,690. 2 Claims. (Cl. 277—70.)

1. A fuel economizer for internal combustion engines having an intake conduit comprising a chambered casing having an outlet opening into the air intake, a valve therein, a seat for the valve, a spring for holding the valve off its seat, a conduit connected with the intake end of the case, and a foot-controlled device for the conduit consisting of a casing attachable to the footboard of a vehicle, the casing having an aperture there-



through with which the conduit communicates, a plunger having an aperture registrable with the said aperture in the casing, and a spring for projecting the plunger upward to close the conduit.

1,463,482. SECURING SHINGLES TO ROOFS. WILLIAM J. MOUNTFORD, Macon, Ga., assignor of one-half to J. D. Bowden, Atlanta, Ga. Filed Dec. 29, 1922. Serial No. 609,773. 2 Claims. (Cl. 108—33.)

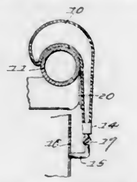


2. A shingle securing and spacing means comprising a body portion, shingle engaging means at the opposite ends thereof, and spaced upwardly extending spacing lugs formed on each side of said body, whereby spacing in three directions will be obtained.

1,463,483. PROCESS FOR THE MANUFACTURE OF ZINC WHITE. ARMAND NIHOUL, Villeneuve-le-Roi, and CAMILLE CLERC, Paris, France. Filed Nov. 9, 1920. Serial No. 422,857. 2 Claims. (Cl. 134—78.)

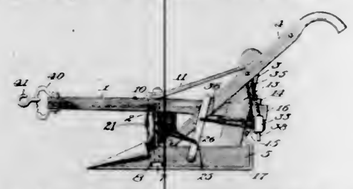
2. In the process of manufacturing zinc white, precipitating the zinc in the state of carbonate, re-dissolving said carbonate in an acid solution, and further precipitating the zinc in the state of sulphide by means of hydrogen sulphide gas.

1,463,484. AIR HEATER. BENJAMIN B. OLSEN, Marshalltown, Iowa. Filed Feb. 24, 1921. Serial No. 447,611. 2 Claims. (Cl. 257—241.)



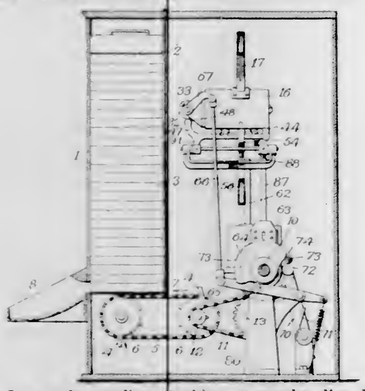
1. An apparatus for the purpose described consisting of a heat chamber of cross sectionally hook shape for supporting engagement with an exhaust manifold and adapted for contact with the wall thereof, said chamber being provided with a reduced air intake port and a valved nozzle in communication with the intake manifold of the engine, said heat chamber having a longitudinally extended transversely arched upper portion and being reduced in area toward its point of communication with said nozzle.

1,463,485. AGRICULTURAL IMPLEMENT. HENRY PETERSON, Hamilton, Mont. Filed Jan. 22, 1921. Serial No. 439,113. 7 Claims. (Cl. 97—109.)



1. An agricultural implement comprising a beam, a runner, standards connecting said runner and beam, a digging member carried by said runner, a plate mounted in front of one of said standards and carried by said runner, a frame connected to said runner and extending upwardly and outwardly therefrom to either side of the aforesaid beam, and connections between the opposite sides of said frame and the corresponding ends of the aforesaid plate.

1,463,486. COIN-VENDING MACHINE. GEORGE C. REITH, Philadelphia, Pa., assignor, by mesne assignments, to National Sales Machine Company, Worcester, Mass., a Corporation of Massachusetts. Filed Dec. 14, 1917. Serial No. 207,036. 3 Claims. (Cl. 194—102.)



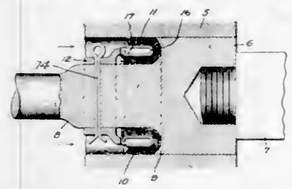
1. In a coin vending machine, a merchandise delivering mechanism, means for holding a coin in a stationary position, and means for applying power to actuate said delivery mechanism, the operation of said means being determined by the thickness of the coin while in its stationary position.

1,463,487. MOUNTING STEERING WHEEL. JAMES N. RICHARDS, WILLIAM H. WESTMAN, and ALFRED D. WESTMAN, Chatham, Canada. Filed Oct. 17, 1921. Serial No. 508,402. 1 Claim. (Cl. 74—33.)



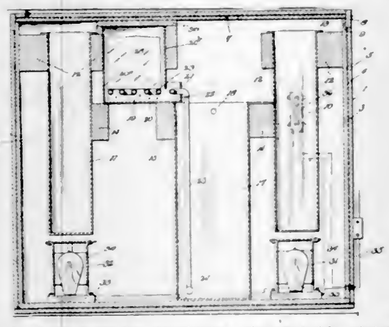
A sliding body having an auxiliary post projecting from its front, a forward projection at its top to engage the arm of a steering wheel, with means to fasten a steering wheel thereto, sliding means to secure said body to a slide, said slide being mounted on the steering post of a vehicle, a draw pin and re-acting spring as means to fasten said body to said slide, and means to secure said slide to steering post of a vehicle.

1,463,488. PACKING. CHARLES F. SCHWENNKER, Schenectady, N. Y., assignor to General Electric Company, a Corporation of New York. Filed Dec. 16, 1921. Serial No. 522,910. 7 Claims. (Cl. 74—109.)



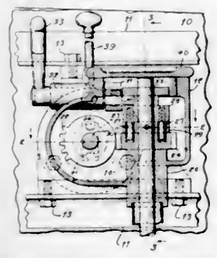
1. A packing comprising a member, U-shaped in cross section and formed from flexible material such as leather, and a plurality of independent, spaced spring clip expanding members U-shaped in cross section located between the sides of the sides of the annular member.

1,463,489. DEVELOPING APPARATUS. LEON W. SHANNON, Hiawatha, Kans. Filed Apr. 18, 1921. Serial No. 462,184. 4 Claims. (Cl. 357—4.)



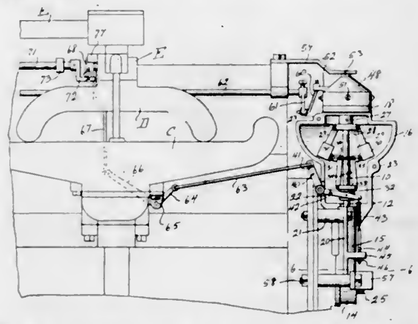
1. In apparatus for developing photographic plates, a casing, tanks within the casing, one of the tanks having an overflow outlet, a pan arranged in the upper part of the casing and having an overflow discharging into the top of the said tank, a water supply pipe passing through the pan into the tank and discharging at the bottom of the tank, and a coil interposed in said pipe within the pan in spaced relation to the bottom of the pan and adapted to support a cooling medium.

1,463,490. CLUTCH MECHANISM. GEORGE SLIDER, Baltimore, Md. Filed Nov. 16, 1921. Serial No. 515,496. 7 Claims. (Cl. 192—149.)



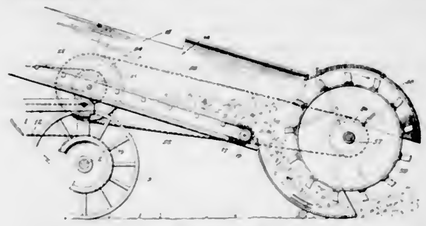
7. In a clutch mechanism, the combination with driven, driving and shifting shafts, a casing comprising bearings for said shafts, a fixed gear on said driven shaft and a loose gear on said driving shaft, means operated by said shifting shaft for engaging said loose gear with said driving shaft and a pin for engaging said driven shaft to stop same, said shifting shaft engaging said pin to prevent its movement when said loose gear is engaged with said driving shaft.

1,463,491. COMBINED GOVERNOR AND COMMUTATOR SUPPORT FOR MOTOR VEHICLES. GENTRY L. TALLMAN and ALVA A. JONES, Shelbyville, Ill. Filed Dec. 29, 1919. Serial No. 348,233. 6 Claims. (Cl. 123—108.)



3. The combination with a tractor having an internal combustion engine, and a throttle valve controlling fuel supply thereto, of an upright governor shaft driven from a running part of the engine, a centrifugal governor carried by said shaft, a lever subject to said governor, a spring acting directly upon one side of said lever, a casing enclosing the shaft and said governor, and an operating rod connected to said throttle valve and provided with a connection to said spring pressed lever whereby said throttle valve will be automatically operated from the governor.

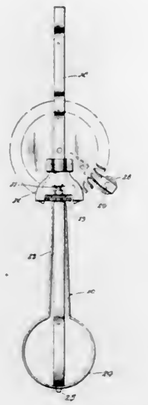
1,463,492. COMBINED MANURE LOADER AND SPREADER. HIRAM H. VARLAND, Des Moines, Iowa. Filed Nov. 15, 1920. Serial No. 424,258. 2 Claims. (Cl. 275—1.)



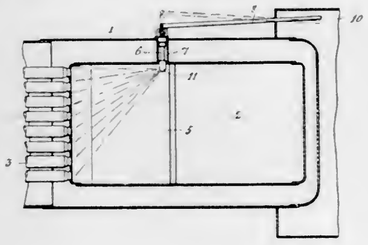
1. In a machine for handling manure, a bed frame supported for travel, a box mounted at a point intermediate its length upon the bed frame for bodily tilting movement independently of the bed frame whereby one of its ends may be brought to a lowered position, a conveyor within the box, a shaft mounted adjacent to the tilting point of the box, a drive shaft upon the bed frame, operative connection between the drive shaft and the first-mentioned shaft, and gear connection between the said first-mentioned shaft and the conveyor.

1,463,493. EGG BEATER. AUGUSTUS F. ANDERSON, Bangor, Me. Filed Apr. 10, 1922. Serial No. 551,116. 4 Claims. (Cl. 259—131.)

1. In an egg beater, the combination with a head, beater blades revolubly mounted thereon and provided with pinions; of a grip, a socket of rectangular cross section being formed in said head for detachably connecting it with said grip, a gear wheel pivoted on the grip adapted to mesh with said pinions, and a lever on said gear wheel, said grip being formed of a flat metallic band, the outer end of which is bent together until its flat sides contact and is secured by a rivet to form a looped handle.



1,463,494. STEAM CLEANSING DEVICE FOR LOCOMOTIVE BOILERS OR THE LIKE. JOHAN BORE and ALBERT SKOGLUND, Gottenborg, Sweden, assignors to Carl Axel Arvid Westerberg, Stockholm, Sweden. Filed Jan. 20, 1919. Serial No. 272,076. 8 Claims. (Cl. 122—391.)

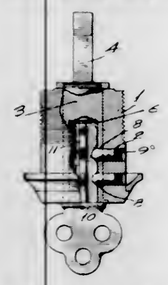


1. A locomotive boiler, having a cab at its rear end, a furnace having a side wall, a set of boiler tubes extending lengthwise from the furnace, a tubular nipple extended through the wall with its axis extending across the axes of the tubes and a steam discharge pipe slidably and rotatably arranged within the nipple, said pipe having a nozzle, and means operable from the cab for turning the nozzle and sliding it transversely of the axis of the tubes for directing the steam into all of said tubes from said nozzle.

1,463,495. BARREL FOR LOCKS. ALBERT BORELLI, San Francisco, Calif. Filed Mar. 16, 1921. Serial No. 452,836. 4 Claims. (Cl. 70—47.)

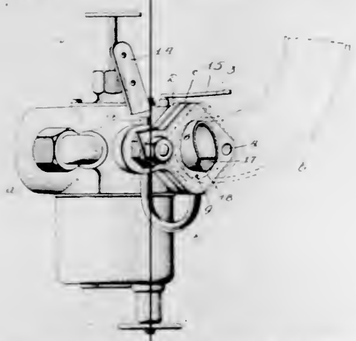
2. A barrel for locks comprising an outer barrel having rows of apertures arranged in several planes radial to the axis of said barrel; an inner rotating barrel having a plurality of identical radial slots, certain of which are provided with apertures registering with the apertures in the outer barrel; locking pins mounted within the

registering apertures; and a key having one less leg than the number of slots, each leg being shaped to actuate



certain of the locking pins only whereby said inner barrel may be rotated only when the several legs of said key are in their respective slots.

1,463,496. REATOMIZER ATTACHMENT FOR INTERNAL-COMBUSTION ENGINES. JOHN D. BRIDGERS, Florence, S. C. Filed Feb. 13, 1922. Serial No. 536,212. 5 Claims. (Cl. 48—180.)

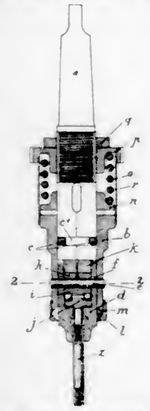


1 The combination with the carbureter and intake manifold of an internal combustion engine, of a re-atomizing device therebetween, said device forming, with the manifold, a well for the collection of liquid fuel and having an auxiliary air duct leading downwardly from a point outside the passageway through said members and thence upwardly into said passageway and communicating with said well.

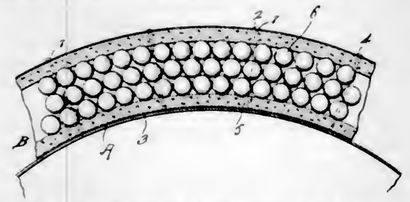
5. A device for the purposes set forth comprising a plate adapted to be clamped between the carbureter and intake manifold of an internal combustion engine and having an opening adapted to form a part of the passageway through said members, a tubular member fitting in said opening and projecting beyond the face of the plate and an auxiliary air duct extending through the wall of the tubular member, barriers in said latter member at the front and rear of said duct, said tubular member having a drain opening, and said plate having an orifice below said latter member extending from the face of the plate to said duct.

1,463,497. APPARATUS FOR THE INSERTION OF SCREW STUDS. ETTORE BUGATTI, Molsheim, France. Filed Aug. 25, 1921. Serial No. 495,296. 4 Claims. (Cl. 10—135.) (Granted under the provisions of the act of Mar. 3, 1921, 41 Stat. L., 1313.)

1. An apparatus for the insertion of screw studs comprising a shaft, a sleeve surrounding the same, an elastic coupling device for actuating said sleeve, a socket wherein the screw stud is disposed, elastic means connecting the socket and sleeve under normal resistance, automatic means provided for the rotation of said socket with respect to said sleeve when the resistance exceeds the normal, and for the tight insertion of the screw stud into the piece of work at the end of the stroke.

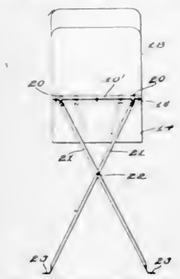


1,463,498. ARMOR FOR GASOLINE TANKS OF AEROPLANES AND FOR OTHER PURPOSES. NORMAN W. BURGESS, Lexington, Va. Filed Sept. 24, 1918. Serial No. 255,518. 5 Claims. (Cl. 114—13.)



1. A projectile-resisting armor comprising a thin outer armor plate and a series of relatively large balls free to rotate and deflect such projectiles as may pass through the outer plate and an inner wall cooperating with the outer armor plate to hold the balls in place.

1,463,499. HAMMOCK. HARRY E. BURROUGHS, Boston, Mass., assignor to Louis Beckwith, Everett, Mass. Filed Jan. 26, 1921, Serial No. 440,090. Renewed Jan. 21, 1922. Serial No. 530,997. 2 Claims. (Cl. 5—127.)



2. Apparatus of the kind described comprising a hammock frame composed of two metallic U-shaped frame members with their ends in abutting relation and connected for folding, a flexible hammock body freely suspended from said frame, the outer portions of said frame members being substantially straight, and leg bar supports arranged in crossed relation in pairs at the ends of said frame presenting at their upper extremities sockets frictionally and adjustably engaged with the frame ends for the purpose stated.

1,463,500. HAMMOCK. HARRY E. BURROUGHS, Boston, Mass., assignor to Louis Beckwith, Everett, Mass. Filed Jan. 26, 1921, Serial No. 440,092. Renewed Jan. 18, 1923. Serial No. 530,998. 1 Claim. (Cl. 5—1.)



The combination with an infants' hammock composed of a metallic frame foldable midway of its length and formed of two U-shaped bars pivoted for swinging with respect to each other and a flexible hammock body depending therefrom with a mattress fitted therein, of a flexible case conforming in length to the length of said frame when folded and adapted to receive said hammock body and frame with the mattress therein to constitute therewith a seat as set forth.

1,463,501. PISTON AND CYLINDER FITTING COMPOUND. CHARLES C. BUTTENFIELD, Pittsburgh, Pa. Filed Sept. 19, 1921. Serial No. 501,836. 3 Claims. (Cl. 51—280.)

1. A piston and cylinder fitting compound composed of alundum, lead carbonate, and graphite, substantially as set forth.

1,463,502. PISTON AND CYLINDER FITTING COMPOUND. CHARLES C. BUTTENFIELD, Pittsburgh, Pa. Filed Nov. 22, 1921. Serial No. 517,075. 2 Claims. (Cl. 51—280.)

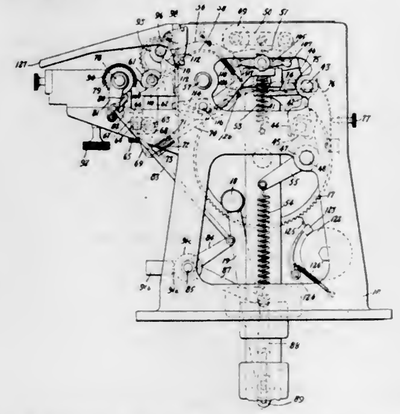
1. A piston-and-cylinder fitting compound composed of about three-fourths of silica graded to 5% of forty mesh, 5% of sixty mesh, 15% of eighty mesh, 50% of one hundred mesh, and 25% of two hundred mesh, and about one-fourth of lead carbonate.

1,463,503. DISPENSING PACKET FOR WAXED PAPER. WILLIAM B. COLLINS, Ben Avon Borough, Pa. Filed Nov. 20, 1922. Serial No. 602,114. 3 Claims. (Cl. 206—57.)



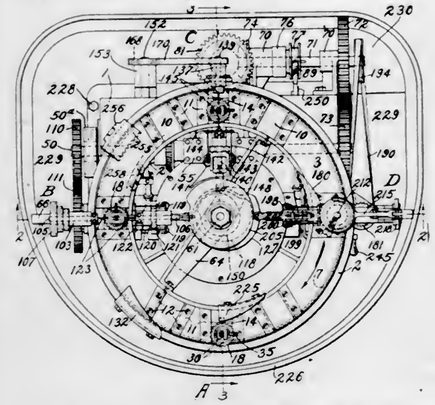
1. In a dispensing packet of sheets, the combination of an envelope with an opening at one end, a pile of sheets, said pile folded transversely and inserted into said envelope with free edges of the pile adjacent the closed end of the envelope, and a suspension loop for the packet extending through holes in the closed end of the envelope and through the corresponding portion of the sheets.

1,463,504. PRINTING MACHINE. WALTER D. FRANK and FRANCIS M. CASE, Cleveland, Ohio, assignors to General Electric Company, a Corporation of New York. Filed Oct. 4, 1920. Serial No. 414,460. 4 Claims. (Cl. 101—35.)



1. A machine for printing thin glass articles, comprising a holder for receiving the article to be printed, said holder having an aperture therein through which the surface of the said article is exposed, a resilient stamp and a support therefor mounted in alignment with said aperture, and means continuously operated independently of said holder for reciprocating said stamp to and from said article through the said aperture.

1,463,505. LATHE. NATHAN F. FRETTER, Cleveland, Ohio. Filed Feb. 10, 1919. Serial No. 275,992. 30 Claims. (Cl. 29—38.)



1. In a machine of the character set forth, the combination of opposed tool carriers, means for supporting a piece of work between and in operative relation to tools supported by said carriers, and further means for advancing the work into contact with one tool while moving the other tool into engagement with the work.

15. In a machine of the character set forth, the combination of a turret, work holders rotatably supported by the

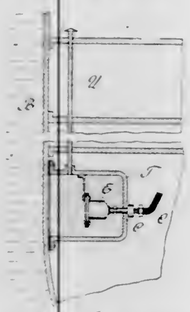
turret, each work holder involving a driving member, a lock for securing each work holder against rotation, a tool carrier, a tool adapted to be supported in various positions by the carrier and into operative relation with which the successive work holders are adapted to be brought, a weight impelling the tool carrier toward the work, means for retracting the tool carrier against the action of the weight, a driving member with which the driving members of the work holders are adapted to cooperate when the work is in operative relation to the tool, means for unlocking the work holder, and mechanism for rotating the second mentioned driving member when the work is presented to the tool.

25. In a machine of the character set forth, the combination of an annular turret, opposed tools situated at stations about the course of the turret, work holders supported by the turret for movement radially thereof, means for moving the turret intermittently to present the work holders to the successive stations, means for driving the tools, that of certain of the tools being of variable speed, an actuating member situated centrally of the turret, and means for driving the actuating member, said member acting to move the inner tools outwardly into contact with the work and for shifting the work holders outwardly to present the work to the outer tools.

1,463,506. MATERIAL FOR FRICTIONAL AND WEARING PURPOSES. HERBERT FRODD, Chapel-en-le-Frith, England, assignor to Ferodo Limited, Chapel-en-le-Frith, England. Filed Mar. 21, 1923. Serial No. 626,641. 1 Claim. (Cl. 91—68.)

The process of manufacturing a friction fabric which consists in forcing a composition consisting of substantially two parts of dammar gum, substantially one part of rubber, substantially two parts of a drying oil, and substantially five parts of a solvent into a fabric by frictioning the composition into said fabric.

1,463,507. DEVICE FOR INCREASING THE SOUND ENERGY WITH SUBMARINE SOUND TRANSMITTERS. WALTER HAHNEMANN, Kitzeberg, near Kiel, Prussia, Germany, assignor to the Firm Signal Gesellschaft m. b. H., Kiel, Werk Ravensberg, Germany. Filed Aug. 25, 1921. Serial No. 495,233. 7 Claims. (Cl. 181—0.5.)

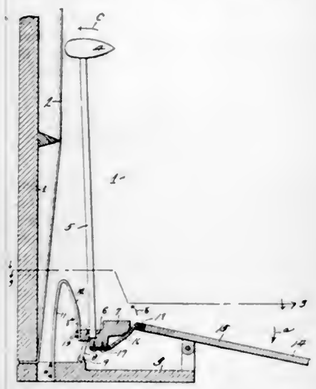


1. In combination with an arrangement for producing sound under water, means for maintaining an artificial special static excess pressure in the liquid space nearest to the point where the sound is produced, whereby the sound energy is increased.

1,463,508. PROCESS OF RECOVERING SOLUBLE COMPOUNDS OF POTASSIUM AND ALUMINUM FROM SILICATES. BIRGER FYELD HALVORSEN, Christiania, Norway. Filed Mar. 26, 1921. Serial No. 455,823. 6 Claims. (Cl. 23—32.)

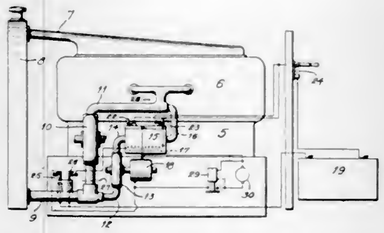
1. The process which consists in heating a mixture of alkali-metal aluminum silicates and cyanamide of calcium in the presence of water.

1,463,509. FOOT-OPERATED MUSICAL INSTRUMENT. FREDERICK T. INGERSOLL, Omaha, Nebr. Filed Nov. 15, 1921. Serial No. 515,218. 1 Claim. (Cl. 84—173.)



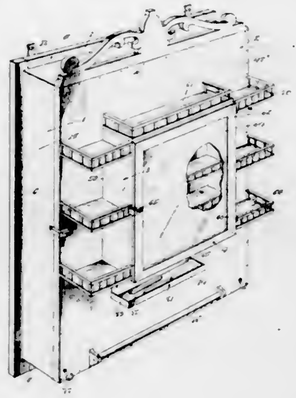
A foot operated key mechanism for sounding the vertically disposed string carried by a sounding board and a base, said key mechanism comprising a counterweight, said counterweight being pivotally mounted on an upwardly extending pivoted U-shaped member, a U-shaped spring upwardly bowed and having one of its vertically disposed arms anchored to the inner face of the counterweight adjacent the pivotal point thereof and its other arm anchored to the base below the pivotal point, a staff extending upwardly from the counterweight, a hammer carried by the upper end of said staff, a pivoted foot actuated lever disposed forwardly of the counterweight and pivoted at a point spaced from its ends, the inner end of said pivoted foot actuated lever terminating in substantially the same horizontal plane as the pivotal point of the counterweight, a flexible connection with the under side of the counterweight and the inner end of the foot lever, said flexible connection engaging the outer end of the counterweight intermediate the ends of the flexible connection.

1,463,510. TEMPERATURE REGULATOR FOR COOLING SYSTEMS OF INTERNAL-COMBUSTION ENGINES. LOUIS W. JONES, Baltimore, Md. Filed Mar. 21, 1923. Serial No. 626,716. 6 Claims. (Cl. 123—174.)



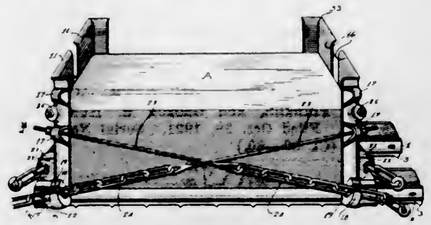
1. In the cooling system for the water of an internal combustion engine, the combination of an electric motor driven pump for circulating said water, a heater provided with heating coils for heating said water, a source of electrical energy, electric circuits including said motor, coils and source, a thermostat for closing the circuit through said motor when the temperature of said water reaches a predetermined limit, a second thermostat adapted to close the circuit through said coils when the temperature of said cooling system reaches a second predetermined limit lower than said first named limit, and rheostats in said motor and heater circuits.

1,463,511. CABINET. JOHN JOSEPH LANE, Baltimore, Md. Filed Sept. 19, 1921. Serial No. 501,640. 1 Claim. (Cl. 45—51.)



In a cabinet, the combination of a sheet metal box having side walls, top and bottom walls, and a back wall, the box being open at the forward side thereof, an overlying casing fitting the side, top and bottom walls of the box, a door normally closing the box at its open side, a skeleton frame secured against the rear edges of the casing reinforcing the casing and rigidly locking the walls thereof in fixed relative position to prevent cramping of the box by the casing, and means upon said frame for suspending the box having its back wall spaced by the frame away from the surface against which the box is hung, the frame functioning when the cabinet is suspended, to uniformly distribute weight upon the frame to the casing to prevent stressing of the box.

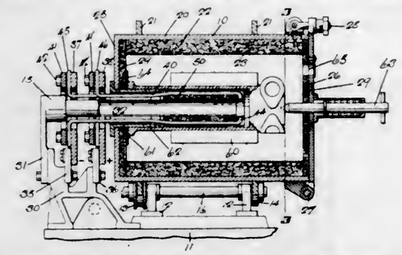
1,463,512. CRATE. WILLIAM W. LEACH, Mansfield, Ohio. Filed Apr. 20, 1921. Serial No. 462,787. 25 Claims. (Cl. 206—60.)



1. In a crate, separate supporting members, standards having corners provided thereon rigidly secured to the supporting members, standards having corners provided thereon slidably mounted on the supporting members, and means to adjust the movable standards lengthwise on the supporting members.

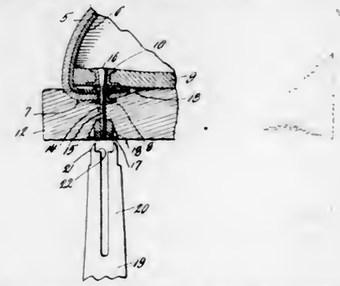
1,463,513. ELECTRIC FURNACE. CHARLES L. LEE, Dayton, Ohio, assignor to General Motors Research Corporation, Dayton, Ohio, a Corporation of Delaware. Filed Apr. 13, 1921. Serial No. 460,924. 7 Claims. (Cl. 204—64.)

5. A rotatable electric furnace adapted to supply heat to a cylinder of an internal-combustion engine during the process of attaching cooling elements thereto and having a heat insulated casing for the cylinder assembly comprising means for locating the cylinder assembly within the furnace; a plurality of electric resistors;



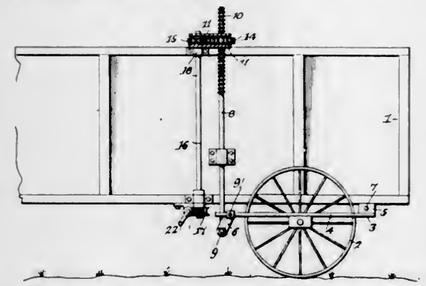
a holder for the resistors; means for locating the holder within the cylinder; and means for connecting the resistors to a source of electric current.

1,463,514. DETACHABLE SHOE SOLE AND HEEL. GUSTAV LILIENFELDT, New York, N. Y. Filed Feb. 3, 1921. Serial No. 442,090. 1 Claim. (Cl. 36—15.)



In a shoe, the combination with an upper and inner sole each having its marginal edge equipped with a plurality of metallic eyelets, each eyelet having its ends clamped to lap over both surfaces of the member in which is fastened, an outer sole having openings therein to align with the eyelets in the inner sole and upper, the marginal edge of the upper being disposed between the inner and outer soles whereby the metallic eyelets of the upper about the eyelets of the inner sole, and removable fastening elements extending through the aligned eyelets and openings, and means associated with the fasteners for drawing the metallic eyelets together to cause their flanges to be pressed more firmly into engagement with the inner sole and upper.

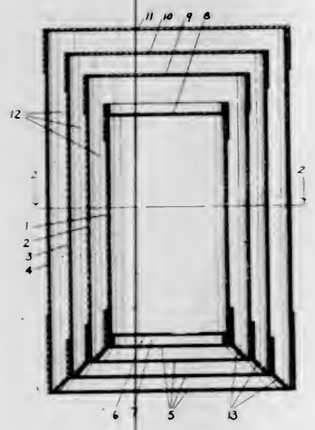
1,463,515. LEVELING DEVICE. JOHN E. LONG, Edgerton, Ohio. Filed July 5, 1921. Serial No. 482,393. 3 Claims. (Cl. 280—6.)



1. In combination, a vehicle body, a pair of wheel frames pivotally attached thereto, a wheel in each frame, a link attached to each frame, a rod attached to the

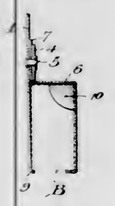
link and provided with a worm, a cog wheel having a centrally located threaded aperture in engagement with the worm, a pinion in engagement with the cog wheel, means for rotating the pinion.

1,463,516. RECEPTACLE OR PACKAGE. IRVINE MCCOLL, Grand Rapids, Mich. Filed Aug. 28, 1922. Serial No. 584,809. 6 Claims. (Cl. 229—14.)



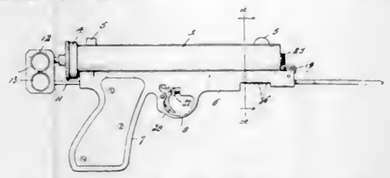
1. A package comprising a plurality of receptacles disposed one within another, the inner receptacle being adapted to receive the material to be packaged and having a double walled bottom providing a bottom air chamber, the enclosed receptacles being provided with conical flange-like bases constituting supporting and spacing members removably supporting the rece les one within another with their walls in spaced rela.ion, said receptacles being provided with independent covers.

1,463,517. MATCH-BOX ATTACHMENT. ALBERT G. MACKEY, Washington, D. C., assignor to The Automac Company, a Corporation of Delaware. Filed May 29, 1922. Serial No. 564,378. 9 Claims. (Cl. 206—31.)



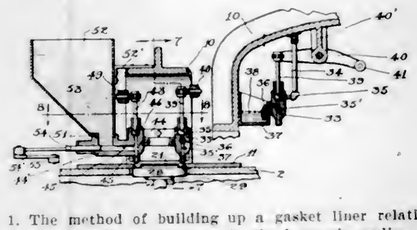
1. In combination with a support having a flanged side and end edge, and attaching means for the support including an arm, a match box holder including a body of substantially U-shape having a lateral wing extending from its inner side and interposed between the arm and the support, fastening means for the arm extending through the wing to secure both the arm and wing to the support, the body being disposed to have its outer side substantially alined with the flanged side edge of the support to cause the box to be engaged by said flanged side edge of the support and to cause the outer end of the slide to be engaged by the flanged end edge of the support, and a stop on the inner end of the body to engage the box and slide.

1,463,518. GASOLINE GUN. EMORY M. THOMAS, Buckner, Mo. Filed Oct. 21, 1922. Serial No. 596,004. 3 Claims. (Cl. 42—1.)



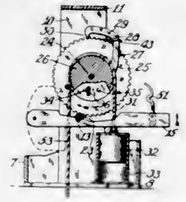
1. In a device of the class described, a combustible fluid chamber, a spring pressed plunger therein adapted for expelling the fluid from the chamber, and means operable by the action of the plunger for igniting the fluid as it is expelled from the cylinder.

1,463,519. METHOD OF AND APPARATUS FOR GASKET LINING CAN ENDS. IVAN D. THORNBURGH, Berkeley, Calif., assignor to American Can Company, San Francisco, Calif., a Corporation of New Jersey. Filed Apr. 24, 1919. Serial No. 292,416. 17 Claims. (Cl. 113—80.)



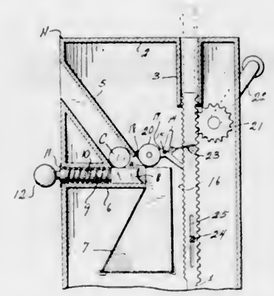
1. The method of building up a gasket liner relative to a flanged can end for use in the hermetic sealing of containers for food products, which comprises applying an innocuous sizing liquid to the surface of the flange of the can end to be lined, thence covering the said sized surface with a powdered fiber lining material, rotating the can end on its axis during the applying of the liquid and then during the applying of said powdered material, and finally subjecting the can end so lined to the application of heat for the drying of the sizing liquid to leave deposited on the flange of the said end a built-up gasket liner.

1,463,520. RAILWAY-CROSSING GATE. JAMES R. VANDIVIER, Franklin, and GEORGE R. HUNT, Terre Haute, Ind. Filed Oct. 28, 1921. Serial No. 511,160. 6 Claims. (Cl. 39—60.)



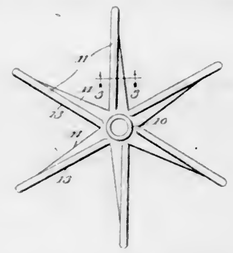
1. A railway crossing gate including a gate arm pivotally supported to freely move to and rest in horizontal position, a toothed wheel and a pulley arranged together to independently turn on one and the same axis, a dog pivotally mounted on the pulley to engage and move the toothed wheel in one direction, means for gearing the toothed wheel with the gate arm, a weight element connected with the pulley to turn it in one direction, means connected with the pulley to turn it in the opposite direction, and means for automatically controlling pivotal movement of the dog.

1,463,521. CHECK-CONTROLLED MECHANISM. HARRY M. WALKER, Grayburg, Tex. Filed Aug. 6, 1921. Serial No. 490,238. 5 Claims. (Cl. 194—60.)



1. In combination with a member supported for movement in opposite directions, a dog pivotally supported adjacent to said member and provided with two arms, one of said arms engaging the member to hold the same against movement in one direction when the second arm is free of the member, the second arm engaging the member to hold the same against movement in the opposite direction when the first named arm is free of the member, check controlled means for swinging the dog in one direction, a spring arm carried by the dog and extending toward the member, an element carried by the member and contacting with the arm of the dog upon movement of the member in one direction for swinging the dog in one direction, and means for moving the member.

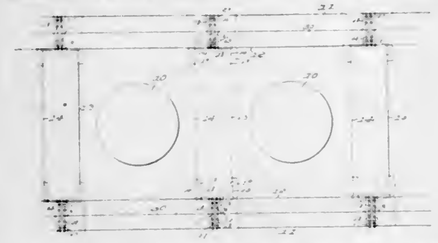
1,463,522. SPIDER FOR COTTON CLEANERS. FRENCH B. WILLIAMS, Lufkin, Tex. Filed Aug. 23, 1922. Serial No. 583,893. 1 Claim. (Cl. 19—97.)



A spider of the character described comprising a hub, webs radiating from the hub and disposed at an angle thereto, and with relation to each other, an arm supported by one edge of said web, with the latter merging into the arm adjacent the outer end thereof, the corresponding inner extremities of said arms terminating in spaced relation to the hub and supported at the point of juncture between the adjacent webs.

1,463,523. LIGHTNING PROTECTION APPARATUS FOR OIL TANKS. KINCHEN A. WYATT, Dallas, Tex. Filed May 24, 1921. Serial No. 472,296. 4 Claims. (Cl. 175—30.)

1. Means for the protection of oil tanks against lightning consisting in combination with a battery of tanks, of high tension lines disposed on opposite sides of the battery, transverse conductors interconnecting corresponding sides of the high tension lines between individual tanks and at the ends of the battery, grounding



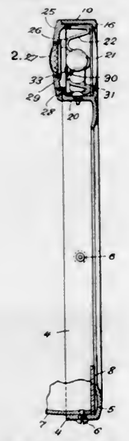
conductors, and lightning arresters interposed between the grounded conductors and both sides of the high tension line.

1,463,524. HEADLIGHT. WILLIAM F. DORAN, Philadelphia, Pa. Filed July 29, 1921. Serial No. 488,335. 3 Claims. (Cl. 240—41.)



1. As an article of manufacture, a rim adapted to replace the ordinary rim of a headlight, a smaller rim formed integral therewith, and means associated with and carried entirely by said smaller rim for forming therewith a complete unitary supplemental headlight lamp.

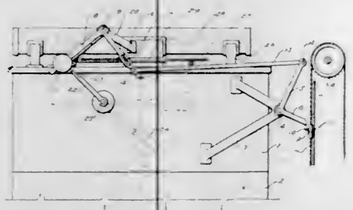
1,463,525. HEADLIGHT. WILLIAM F. DORAN, Philadelphia, Pa. Filed Feb. 21, 1922. Serial No. 538,316. 6 Claims. (Cl. 240—41.)



1. As an article of manufacture, a rim adapted to replace the ordinary rim of a headlight, a small head-

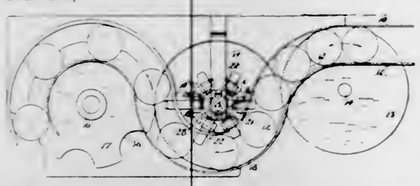
light casing formed integral with said rim and arranged outside it with its walls merging into the rim, end walls for said casing, and a lens in one of said end walls.

1,463,526. MECHANICAL COOKER. CHARLES H. FULSON, Trenton, Tenn., assignor to Buckeye Iron and Brass Works, Dayton, Ohio. Filed Feb. 25, 1921. Serial No. 447,738. 5 Claims. (Cl. 87—6.)



1. In a cooker, a kettle, means of supplying material to said kettle, means to control the supply of said material in said kettle, means of actuating said controlling means at predetermined intervals, means for permitting the controlling means to close when the meal has reached a predetermined height in said kettle, and positive means for effecting the closure of said controlling means independent of the actuating means, whereby a cooker may be filled with material.

1,463,527. CAN FEEDING AND TIMING DEVICE. HENRY L. GUENTHER, Los Angeles, Calif. Filed July 25, 1922. Serial No. 577,333. 15 Claims. (Cl. 198—22.)



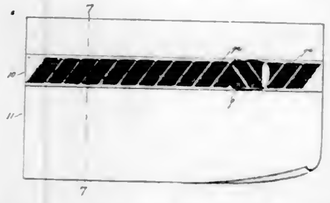
1. The combination of two can carrying devices which respectively transport cans at a slow speed and at a faster speed, and an intermediate can timing and feeding device for transferring the cans from the slower carrier to the faster carrier, said feeding devices having yieldably cushioning means at the limit of their inward movement for spacing the cans and movable outwardly beyond the cushioning means for thereafter positively feeding the cans at a uniform speed of acceleration.

1,463,528. DEVICE FOR AND METHOD OF THE MANUFACTURE OF PROTECTED INNER TUBES FOR TIRES. ALBERT ENNIS HENDERSON, Toronto, Ontario, Canada. Filed Dec. 26, 1916. Serial No. 139,007. 11 Claims. (Cl. 154—5.)



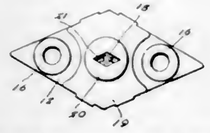
1. A device of the character described, comprising a template adapted to be laid upon a sheet of rubber, slots being provided in the template for the insertion of fabric to contact the surface of the rubber, and means for forming the rubber and fabric into a tube.

1,463,529. DEVICE FOR THE MANUFACTURE OF PNEUMATIC TUBES. ALBERT ENNIS HENDERSON, Toronto, Ontario, Canada. Filed Jan. 27, 1917. Serial No. 144,910. 2 Claims. (Cl. 154—5.)



1. A device of the character described comprising a template provided with diagonal slots adapted to position fabric strips in oppositely disposed formation within the body of the tube.

1,463,530. SPARK INTENSIFIER. ARTHUR A. HUTCHISON, Harrisburg, Pa. Filed Dec. 31, 1921. Serial No. 526,275. 2 Claims. (Cl. 175—183.)



1. A spark intensifier comprising a substantially diamond shaped body formed of superimposed layers of insulating material and comprising a base plate, plates positioned upon the base plate and having centrally arranged registering openings therein to provide a sparking chamber, substantially triangular shaped conductor plates positioned between the insulating plates, spurs extending from one edge of each of the conductor plates and projecting into the sparking chamber to provide a spark gap, combined assembling and terminal eyelets extending through the insulating plates and conductor plates and a transparent cover for the sparking chamber.

1,463,531. SHOE ORNAMENT. GEORGE COLVIN KENNEDY, Waterloo, Iowa. Filed May 9, 1921. Serial No. 468,188. 4 Claims. (Cl. 41—10.)

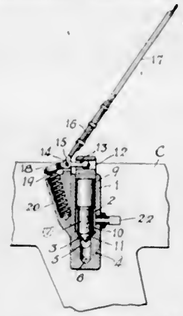


2. An ornamental device, comprising ornamental objects mounted on opposite sides of a shoe, and a flexible strip crossing the shoe vamp with its ends releasably attached to said objects.

1,463,532. AUTOMATIC AIR VALVE FOR INTERNAL-COMBUSTION ENGINES. WILLIAM F. KRICHBAUM, Irvington, N. J. Filed Dec. 18, 1919. Serial No. 345,857. 3 Claims. (Cl. 123—124.)

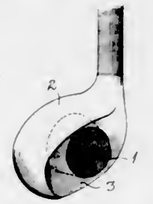
1. In a device of the character described, the combination of a casing adapted to be attached to an internal combustion engine and having a valve chamber therein

opening through one end thereof, said valve chamber being adapted to communicate with the atmosphere and said engine, a valve reciprocable in said chamber and controlling communication therethrough, said valve pro-



jecting from the open end of said chamber, and a vane pivoted upon the exterior of said casing and connected to said projecting end of the valve, said vane being actuated by air currents to reciprocate said valve.

1,463,533. GOLF CLUB. CHRISTIAN A. KURZ, Jr., Dayton, Ohio. Filed July 2, 1919. Serial No. 308,095. 9 Claims. (Cl. 46—4.)



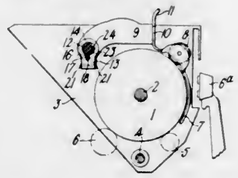
1. A wooden golf club head and an insert of phenolic condensation material molded in situ in the striking face of the club head.

1,463,534. FLUID-REGISTERING MECHANISM. CHARLES F. MACGILL, Cambridge, Mass. Filed Aug. 16, 1921. Serial No. 492,819. 1 Claim. (Cl. 235—94.)



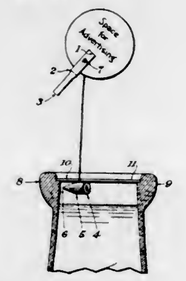
In a registering and indicating device for liquids, the combination with a liquid container, of a float-controlled rotary shaft extending into said container, a stationary dial above said container, an index hand carried by said shaft and movable over said dial to indicate the amount of liquid in the container at all times, a hub loosely surrounding said shaft and provided with a ratchet wheel, a second index hand carried by said hub and also movable over said dial, a spiral spring connected with said hub, a spring-pressed stop to hold said ratchet wheel and said second index hand stationary to indicate the amount of liquid in the container before a filling operation and while said first-named index hand is moved to indicate the amount of liquid supplied to said container at a filling operation, said spring, when said stop is released, served to move said second index hand to a position coinciding with the position of said first-named index hand, and means whereby said first-named index hand will move said second index hand with it against the stress of said spiral spring as liquid is withdrawn from said container.

1,463,535. TYPEWRITING MACHINE. EDWIN A. PETERSON, Madison, Wis., assignor to Underwood Typewriter Company, New York, N. Y., a Corporation of Delaware. Filed May 20, 1922. Serial No. 562,274. 6 Claims. (Cl. 197—139.)



1. In a typewriting machine, in combination, a rod fixed upon and extending transversely of the machine, a paper-engaging device mounted to be swung upon the rod to or from effective position, and also slidable along the rod for adjusting said device to different positions transversely of the machine, said rod being cut away longitudinally thereof to provide a holding-portion, and a spring-pressed detent carried by said device to be pressed against said holding-portion of the rod for yieldingly holding said device at its effective position, said rod also being cut away longitudinally thereof to provide a relief-portion to receive said spring-pressed detent for relieving the pressure of said detent against the rod when said device is swung to ineffective position, so that said device may slide freely along the rod to different positions of adjustment transversely of the machine.

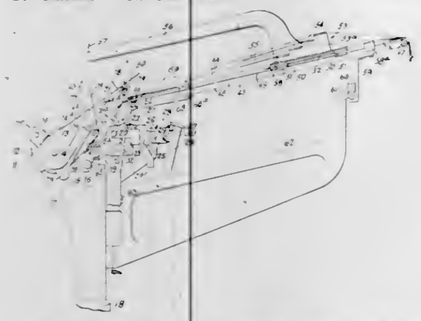
1,463,536. NONSPLASH BOTTLE OPENER. JOSEPH ODILON REMILLARD, Montreal, Quebec, Canada, assignor of one-third to Alphonsus Gorman and one-third to John Alexander Hugh Cameron, both of Montreal, Canada. Filed June 14, 1922. Serial No. 568,344. 2 Claims. (Cl. 65—47.)



1. In a bottle disk remover, the combination of a pointed cap-like member having an open end, an aperture at the base of the opening, a handle comprising a pin

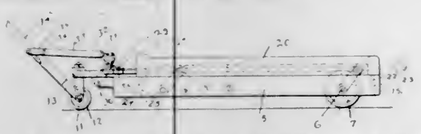
adapted to seat in the cap opening and a finger hold attached to said pin, a flexible waterproof cord passing through the apertures at the base of the cap opening and connecting said cap with said pin member, all substantially as set forth.

1,463,537. TYPEWRITING MACHINE. BURNHAM C. STICKNEY, Elizabeth, N. J., assignor to Underwood Typewriter Company, New York, N. Y., a Corporation of Delaware. Filed Aug. 5, 1921. Serial No. 489,990. 27 Claims. (Cl. 199—126.)



1. In combination, a typewriter-frame, a platen, a platen carriage mounted to travel on said frame, said carriage comprising a platen-lifting frame, a carbon-carrier, a web-table or carbon-carrier-track having, for the purpose specified, its forward end elevated above the platen, and being inclined forwardly and downwardly to enable webs extending through said carbon-carrier and between the elevated platen and the web-table to be straightened sufficiently to permit retraction by the carbon carrier of carbon-sheets attached thereto, means to support the rear end of the track to permit its front end to be swung upwardly and rearwardly, comprising a rail and rail-supporting brackets secured to the typewriter-frame at its back, and means on the carriage on which the forward end of the track rests when the carbon-carrier-track is in lowered position.

1,463,538. LIFTING TRUCK. JOSEPH G. TANGUEY, Holyoke, Mass. Filed May 24, 1920. Serial No. 383,880. 3 Claims. (Cl. 254—10.)



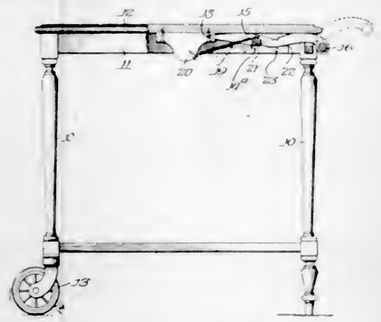
1. A lifting truck comprising a wheeled body, a crank arm pivoted to the rear end of said body, a crank arm pivoted to the forward end of said body, an operating rod pivotally connected with said crank arms and holding said crank arms in parallel relation to each other, a draft pole pivoted on said body, a link having sliding connection with said draft pole and operating connection with said operating rod, and a platform supported by said crank arms and shiftable vertically on said body when said crank arms are shifted.

1,463,539. PHARMACEUTICAL PREPARATION. CHARLES G. WOLFE, Mount Vernon, Ohio. Filed Mar. 8, 1922. Serial No. 542,111. 4 Claims. (Cl. 167—10.)

1. A pharmaceutical preparation for treating the disease of fowls known as enterohepatitis consisting of calomel and rhubarb in approximately equal proportions, together with a small percentage of charcoal.

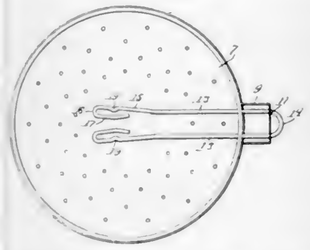
4. A pharmaceutical preparation for treating the disease of fowls known as enterohepatitis consisting of approximately equal proportions of powdered calomel and rhubarb mixed with powdered charcoal, in the proportions of about one part of charcoal to ten parts of each of the other two ingredients.

1,463,540. TEA TABLE. LORETO ALONZI, Chicago, Ill. Filed Jan. 8, 1923. Serial No. 611,245. 5 Claims. (Cl. 45—17.)



2. In a table, the combination with the legs, apertured frame and top of a disappearing handle adapted for sliding movement in a horizontal plane comprising a pull and side pieces projecting through the apertures in said frame, guide pieces secured to the inside surface of said frames, and a spring for retracting said parts.

1,463,541. HANDLE FOR TOASTERS AND THE LIKE. CHARLES ANDREWS, Jr., Rockford, Ill., assignor, by mesne assignments, to The Washburn Company, Worcester, Mass., a Corporation of Massachusetts. Filed Sept. 10, 1921. Serial No. 499,685. 6 Claims. (Cl. 53—5.)



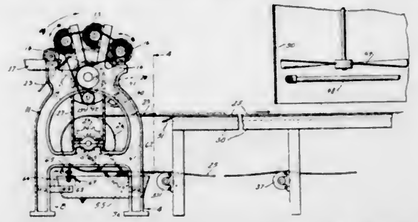
1. The combination of an article having an inner and an outer wall, a handle formed of a single piece of wire bent upon itself providing spaced handle members, said inner and outer walls having registering holes for the reception of said handle members whereby the handle may be slid lengthwise in said holes to and from an inner and an outer position, the inner ends of said side members being diverged inwardly and each having a notch in its outer side, said diverging ends adapted to bear against the holes in the inner wall with increasing pressure when the handle is moved to its outer position and said notches adapted to engage in connection with the inner wall for holding the handle in said outer position.

1,463,542. METHOD AND APPARATUS FOR FINISHING LEATHER. ARNOLD A. ANGELL, Chicago, Ill. Filed Oct. 24, 1921. Serial No. 510,010. 20 Claims. (Cl. 91—41.)

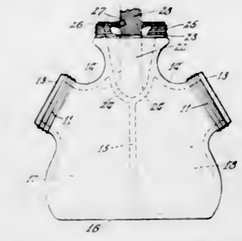
1. A combined apparatus for coating leather completely, comprising mechanical coating means, a conveyor arranged to take an article from said coating means and carry it in horizontal position past an operator, where the coating can be perfected manually, and means for partially drying the article while still in horizontal position.

6. The method of coating leather, which comprises, in combination, applying a coating mechanically, laying the material flat so that the coating will not run, and drying the material while it remains in flat horizontal position.

12. In a leather finishing machine, in combination, coating means, an endless conveyor comprising a flat web arranged to receive an article from said coating means, means for blowing hot air on the article on the conveyor to dry it, said blowing means overlying the delivery end of said conveyor only, the remainder of said conveyor being open to permit manual operation on the article and a flat support for said web for supporting said remainder to permit hand swabbing of the articles before they reach the blowing means.

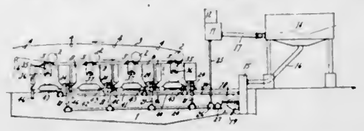


1,463,543. CONDIMENT HOLDER. GUSTAV A. BAEDER, Chicago, Ill. Filed July 31, 1922. Serial No. 578,701. 1 Claim. (Cl. 65—45.)



A device of the character described comprising a body portion having a pair of separate chambers therein, threaded inclined nipples communicating therewith, perforated shaker caps threaded on said nipples, a threaded tubular member projecting upwardly from said body portion, a perforated article gripping member of elastic material mounted thereon, and a flanged ring secured to said tubular member for clamping said elastic member against the end of said tubular member.

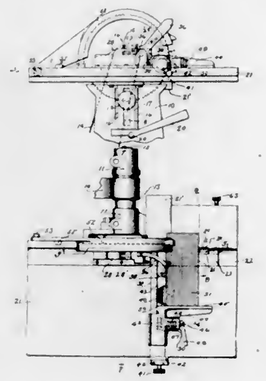
1,463,544. CYLINDER PAPER-MAKING MACHINE. GEORGE L. BIDWELL, Riegelsville, Pa. Filed June 23, 1922. Serial No. 570,490. 32 Claims. (Cl. 92—43.)



1. In a cylinder paper-making machine, mechanical means to produce a forced feed from the flow box to the vat, and gravity-return means from said vat to said box.

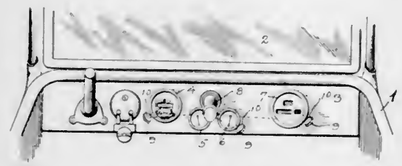
12. In a cylinder paper-making machine, a flow box, a cylinder mold, and means to discharge by gravity the suction water from the inside of said mold into said flow box, the latter being located below the level of the discharge.

1,463,545. CUTTING MECHANISM. EDWARD CHESHIRE, Berlin Township, Waukesha County, Wis. Filed Jan. 21, 1921. Serial No. 438,813. 48 Claims. (Cl. 29—69.)



1. In a device of the class described, clamping means for retaining in place material to be treated, said clamping means including relatively movable members having interlocking portions, wedge means for forcing said interlocking portions into operative association, and means for moving said interlocking members out of operative association when released by said wedge means.

1,463,546. LIGHT REFLECTOR. CLIFFORD M. COLE, Los Angeles, Calif. Filed Sept. 28, 1920. Serial No. 413,420. 2 Claims. (Cl. 240—2.)

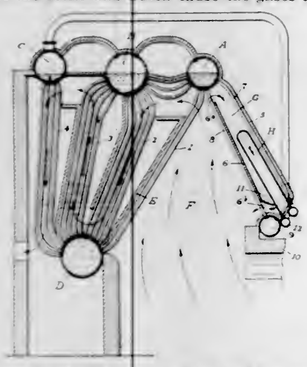


1. A construction wherein one or more indicators are mounted upon the cowl board of a motor vehicle outside the normal field of illumination of a source of illumination, likewise mounted upon the cowl board, characterized by a miniature reflector adjustably mounted upon the cowl board in position to intercept rays of light from the source of illumination and redirect them onto one of said indicators, and a universal mounting for the reflector by which it may be adjusted to illuminate the face of a desired indicator without causing glare objectionable to an observer within the vehicle.

1,463,547. STEAM SUPERHEATER. ALFRED COTTON, St. Louis, Mo., assignor to Heine Boiler Company, St. Louis, Mo., a Corporation of Missouri. Filed June 6, 1921. Serial No. 475,333. 16 Claims. (Cl. 122—478.)

3. A water tube boiler provided with an upright superheater chamber arranged so that gases from the combustion chamber of the boiler will enter the upper end of same, circulate downwardly through said superheater chamber and then return to the combustion chamber, a

superheater in said superheater chamber, and water tubes in said superheater chamber that form part of the heating surface of the boiler and which cause the gases that enter



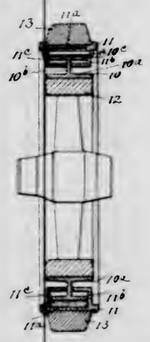
said chamber to rapidly cool, contract and become of much greater density than the hot gases of the combustion chamber.

1,463,548. METALLIC DENTURE BACKING. ROBERT M. CRAIG, Wilkinsburg, Pa. Filed June 27, 1919. Serial No. 307,104. 5 Claims. (Cl. 32—9.)



1. A metallic denture backing comprising a single piece of pressed sheet metal of uniform thickness in parallel planes but of greater thickness at its opposite edges than intermediate thereof, and having a bendable locking flange intermediate of said edges.

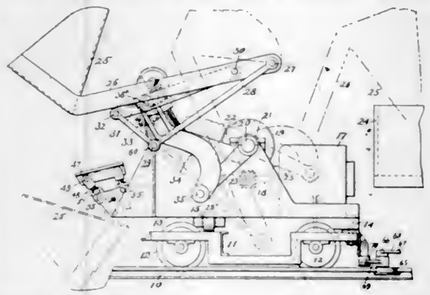
1,463,549. WHEEL RIM. EDWARD DETTELBACH, Cleveland, Ohio. Filed Oct. 15, 1920. Serial No. 417,195. 6 Claims. (Cl. 152—381.)



2. A rim for a vehicle wheel composed of inner and outer members, the inner member adapted to be fitted onto a wheel and having a web and a flanged outer portion, said outer member forming an enclosure composed of outer, side and inner portions which receive the flanged outer portion of the inner member, and cushioning means upon the outer side of the flanged outer portion of the inner member and enclosed by said outer member.

1,463,550. LOADING MACHINE. ROBERT P. GREENLEAF, Cleveland, Ohio, assignor to Frank Billings. Filed Jan. 17, 1917. Serial No. 142,789. 9 Claims. (Cl. 214—132.)

1. In a loading machine, a frame, a shovel, and means for causing the shovel to be positively and substantially continuously moved through a fixed cycle of predetermined filling and dumping movements including a filling movement at the front of the frame and a movement of trans-



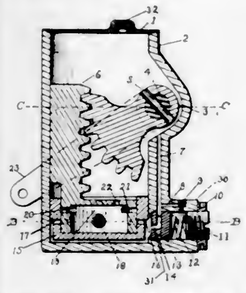
lation back toward and over the machine to discharge the material at the rear of the machine and a return movement to the front of the machine for the start of the next succeeding cycle.

1,463,551. SWITCH. VIRGIL S. HARDEY, Chicago, Ill. Filed Apr. 3, 1922. Serial No. 549,217. 10 Claims. (Cl. 200—67.)



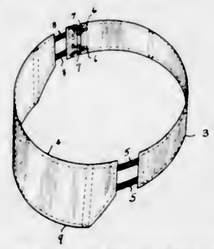
1. In a switch for inching a meter, switch mechanism, a projecting finger piece shaped and positioned to be grasped between the thumb and forefinger of the hand and actuated thereby to operate said switch mechanism, and a casing enclosing the switch mechanism to extend through and be gripped in the palm of the hand with said finger piece grasped between the thumb and forefinger.

1,463,552. SHOCK ABSORBER. WILLIS E. HARMON, Worcester, Mass. Filed Dec. 27, 1921. Serial No. 525,041. 7 Claims. (Cl. 188—88.)



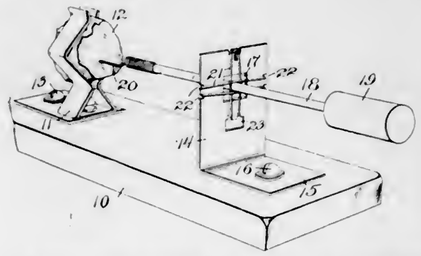
1. A shock absorber comprising; a fluid holding cylinder, means including an inner cylinder with a hollow piston therein adapted to transmit motion thereto from an external source and allow the fluid to flow freely through the inner cylinder when it is moved in one direction and retard fluid passing when moved in the opposite direction and means automatically acted upon prolonged fluid pressure to restrict the equalization of fluid pressure on both sides of the inner cylinder in proportion to said fluid pressure.

1,463,553. BELT. LURA A. LASATER, Houston, Tex. Filed Feb. 13, 1922. Serial No. 536,197. 1 Claim. (Cl. 2—142.)



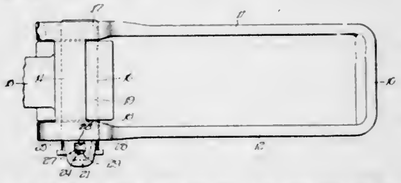
A belt for skirts and the like including a comparatively narrow front section, and a rear section, said sections being secured together permanently at one end, interengaging means carried by the other end of said sections for releasably securing the belt around the body of the wearer, an elastic section belt on each side, said rear section being widened downwardly from end to end forming a supporting wing, which extends entirely around the back of the wearer and flared outwardly at its lower edge and forms a rear support for the skirt.

1,463,554. MOUNTING FOR STEMS OF CRYSTAL DETECTORS. ALEXANDER N. PIERMAN, Newark, N. J. Filed Feb. 4, 1922. Serial No. 534,180. 5 Claims. (Cl. 250—31.)



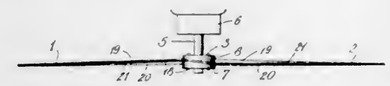
1. A mounting for stems of crystal detectors comprising a support with an opening therein, and a stem passing through the opening, the support having the opening through which the stem passes provided with substantially flat means for frictionally engaging the stem to hold it in various angular positions and also allow the rotation thereof.

1,463,555. YOKE-KEY SUPPORT. EDWARD POSSON, Chicago, Ill. Filed May 13, 1922. Serial No. 560,534. 3 Claims. (Cl. 23—70.)



1. In railway draft mechanism, the combination of a yoke, a coupler, a vertical key for connecting said yoke and coupler, said yoke having projections with laterally extending pocket portions, and a support for said vertical key releasably retained in said pocket portions, one of said projections having an opening through which said support may be passed into said pocket portions only when an end of said support is in a given angular position with respect to said opening.

1,463,556. AERONAUTICAL PROPELLER. SYLVANUS ALBERT REED, New York, N. Y. Filed May 26, 1920. Serial No. 384,293. 19 Claims. (Cl. 170—151.)



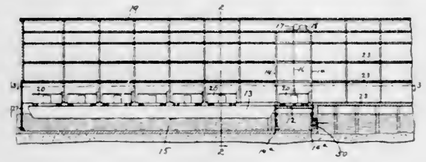
1. An aeronautical propeller having single piece blades constructed of material of such thinness as to require dependence partly but mainly upon the radial tension exerted by centrifugal force to maintain the blades in operative form or shape.

1,463,557. FIXTURE FOR BRAKE RODS. IRVING C. SHUSTER, Newark, N. J. Filed July 29, 1921. Serial No. 488,267. 4 Claims. (Cl. 188—196.)



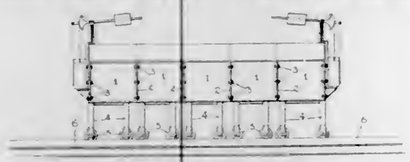
3. A brake rod fixture comprising a clip having an open-ended barrel portion having means thereon for pivotally securing it to a brake lever, said pivot being out of line with the axis of the barrel, a brake rod slidable freely through the barrel, and means for adjustably securing the rod in the barrel.

1,463,558. FREIGHT-TRANSFERRING SYSTEM. RICHARD C. SIBLEY, Boston, Mass. Filed Jan. 6, 1921. Serial No. 435,308. 18 Claims. (Cl. 104—29.)



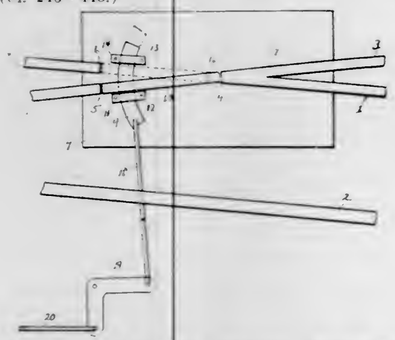
1. In a freight-transferring system, in combination, a water-course, adapted to receive a floating vessel, a freight-receiving area, such as a warehouse floor or a freight yard, elevated above the high-water level in the water-course, and communicating with the latter, a vertical well communicating with the water-course and with the freight-receiving area and extending upwardly from below the low-water level in the water-course, and freight-hoisting means in said well, the arrangement being such that a vessel may be located in the water-course in cooperative relation with said well and hoisting means, to permit the elevation of freight taken from the vessel to the level of said area.

1,463,559. SECTIONAL ELECTRIC FURNACE. EDWIN L. SMALLEY, East Orange, N. J. Filed Aug. 6, 1920. Serial No. 401,718. 3 Claims. (Cl. 204—64.)



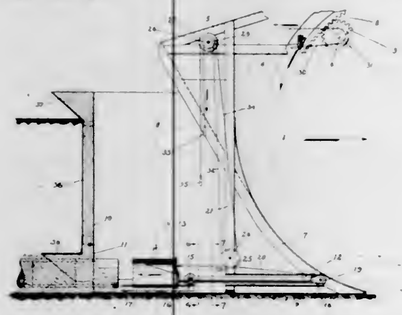
1. In an electrical furnace, in combination, a plurality of longitudinal furnace sections, composed of non-magnetic material, adapted for removable, endwise engagement, to permit variations in the furnace length, a resistor element common to the sections of the furnace, and individual traction means for the sections.

1,463,560. RAIL SWITCH. OWEN P. SMITH, Chicago, Ill. Filed July 5, 1922. Serial No. 572,983. 1 Claim. (Cl. 246—445.)



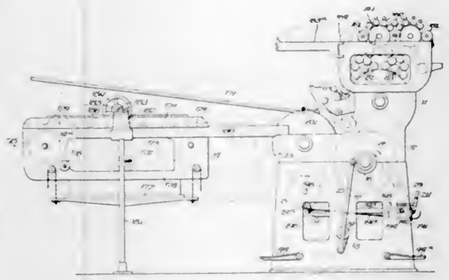
In a railway switch, the combination of main line and branch line rails, a pivoted section interposed at the junction of the rails and movable into alignment with either the main or branch line rails, a plate beneath tracks supporting the ends of the rails, guides on the plate at opposite sides of the rails, and an arcuate plate secured to the base of the pivoted section and slidable within the guides, the said guides acting as stops to insure proper alignment of the pivoted section with the rails.

1,463,561. TILE-PLACING ATTACHMENT FOR DITCHING MACHINES. JOHN SOMMER, Peoria, Ill. Filed June 21, 1920. Serial No. 390,471. 19 Claims. (Cl. 111—5.)



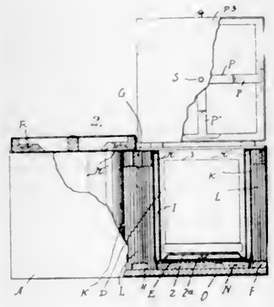
1. In a machine of the character described, in combination, power means for digging a ditch, movable means for supporting tile sections, means for utilizing the power of the digging machine to push the tile sections into place, and other means for returning said pushing means to tile receiving position.

1,463,562. OFFSET PRINTING PRESS. BURT D. STEVENS, Evanston, and CARL HENDERSON and WILLIAM SAXON, Oak Park, Ill., assignors to Miehle Printing Press & Manufacturing Company, Chicago, Ill., a Corporation of Illinois. Filed May 4, 1917. Serial No. 166,504. 4 Claims. (Cl. 101—144.)



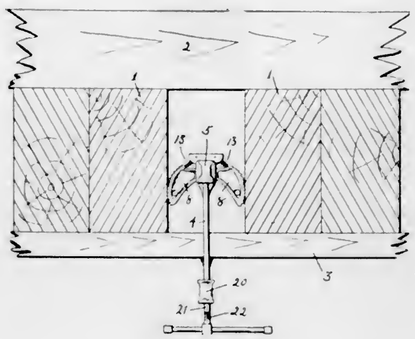
1. In a printing press, in combination, printing means, a normal delivery for the completed work at the feeder end of the press, inking mechanism at the opposite end of the press, and auxiliary delivery means for delivering inspection sheets at that end of the press at which the inking mechanism is located, whereby the operator may have ready access to both the auxiliary inspection sheet delivery means and the inking mechanism.

1,463,563. FIRELESS STOVE. GEORGE A. TAYLOR, Muncie, Ind. Filed Feb. 19, 1920. Serial No. 359,828. 5 Claims. (Cl. 220—9.)



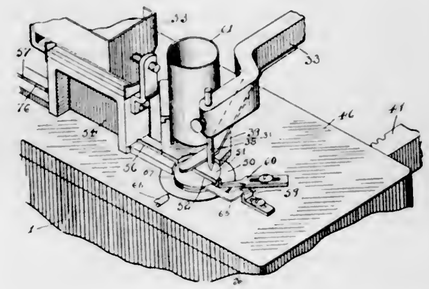
1. A fireless stove, comprising a box-shaped body, a top plate, a tubular sleeve extending upwardly from the bottom plate to the underside of the top plate, a sheet metal disk electrically insulated, to fit in and slightly above the bottom of the said tubular sleeve, a fireproof insulation between the disk and the bottom plate of the body, heat insulating material surrounding the tubular sleeve, packing material stuffed between the insulating material and the body, a cylindrical container inside and of diameter less than that of the tubular sleeve and having its upper rim opening through the said top plate, and a closure plate for the said opening.

1,463,564. CLAMP. JAMES L. TAYLOR, Poughkeepsie, N. Y., assignor to James L. Taylor Manufacturing Co., New York, N. Y., a Corporation of New York. Filed Apr. 1, 1918. Serial No. 226,016. 8 Claims. (Cl. 144—298.)



1. In a clamp of the character described, the combination of a bar having a laterally projecting head apertured transversely of the plane of said bar and head, and an arm pivoted in the aperture of said head and having its swinging limited thereby to positions in which said arm is always operative to engage with a cam action the side wall of a space into which the clamp is thrust and anchor the clamp.

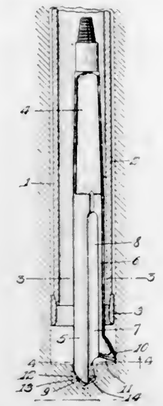
1,463,565. PIN-FORMING AND BUTTON-PINNING MACHINE. JULES G. WEGMAN, Rochester, N. Y. Filed June 16, 1919. Serial No. 304,596. 17 Claims. (Cl. 79—3.)



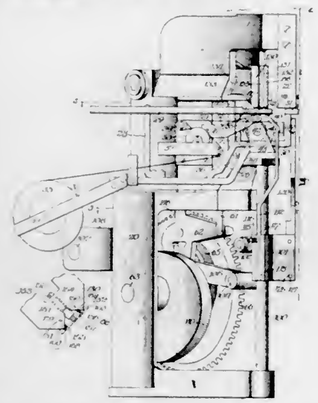
1. In a button pinning machine, the combination of means for feeding buttons, means for feeding pins, means for bending a portion of each pin to conform to the shape of the button and means for bringing the button and pin together and inserting the bent portion of the pin within the button.

1,463,566. UNDERDRILLING BIT. EDWIN J. AKINS, Moundsville, W. Va. Filed Mar. 13, 1922. Serial No. 543,196. 3 Claims. (Cl. 255—73.)

1. An under-drilling tool consisting of a bit having in opposite sides thereof longitudinal channels defining a central web, said web being located intermediate a drill portion which has an approximately cylindrical form and an irregular shaped opposite edge portion of said bit, said irregular portion having the lower end thereof extended outward and constituting a projecting horn presenting a downwardly facing shoulder, and said drill portion being prolonged below said horn to form a center-finding pilot.



1,463,567. PASTEBOARD-BOX-MAKING MACHINE. ALBERT A. ARNOLD, Oak Park, Ill. Filed June 11, 1919. Serial No. 303,376. 11 Claims. (Cl. 93—41.)

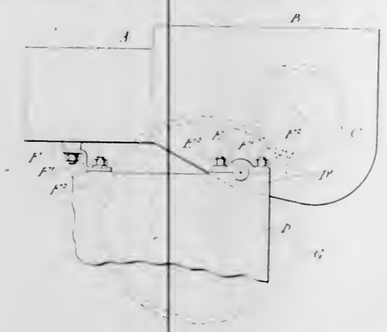


1. In a box-making machine of the character described, the combination of a plurality of corner-forms stationary during the operation of the machine, means to simultaneously apply corner-staying strips to wings of a flat pasteboard box blank while the latter is in register with said forms leaving projecting tabs of such strips, means to simultaneously bend said wings about said forms to constitute the side-walls of the box, and means to simultaneously bend said tabs about the corners of the box and affix them in place, substantially as described.

1,463,568. FLEXIBLE MOTOR SUPPORT. WILLIAM I. BALLENTINE, Laporte, Ind., assignor to Advance-Rumely Company, a Corporation of Indiana. Filed Apr. 12, 1922. Serial No. 552,025. 13 Claims. (Cl. 180—64.)

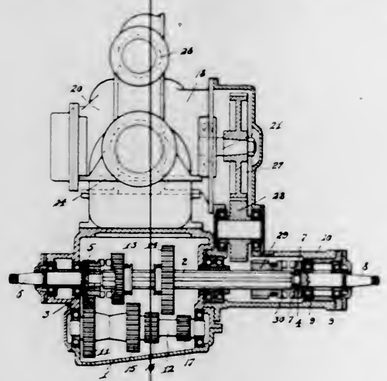
1. In combination a transmission case and an engine supported therefrom and connected thereto by a plurality of connections, one of said connections being piv-

otal and the other flexible, a gear driven by said engine and extending therefrom and a gear extending from said transmission case and in mesh with said driven



gear, the center of the pivotal support being slightly to one side of a straight line drawn between the centers of the two gears.

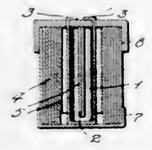
1,463,569. UNITARY TRANSMISSION AND PUMP FOR MOTOR-DRIVEN FIRE ENGINES. CHARLES E. BATHRICK, South Bend, Ind., assignor to South Bend Motors Company, South Bend, Ind. Filed Dec. 3, 1919. Serial No. 342,233. 4 Claims. (Cl. 169—24.)



1. In a transmission and pump assembly supported by the side rails of the motor driven vehicle frame, the combination of a transmission casing longitudinally disposed and having a transmission therein, said transmission casing being disposed below the pump casing and rails of the frame and entirely supported by the rails of the frame, said pump casing having upwardly and outwardly extending transversely disposed intake pipes, said intake pipes being disposed on the side rails of the motor driven vehicle and entirely supporting the pump casing and the transmission casing.

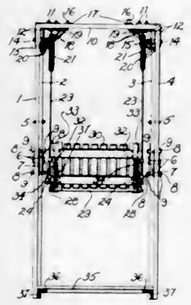
1,463,570. STOPPER FOR BOTTLES AND THE LIKE. HERBERT J. BRAGDON, Alton, Ill., assignor to The Chicago Stopper Company, Chicago, Ill., a Corporation of Illinois. Filed Oct. 4, 1919. Serial No. 328,407. 25 Claims. (Cl. 215—40.)

1. As a new article of manufacture, a container-stopper including, in combination, a circumferentially contractible body comprising a strip of material wound upon itself to a normal circumferential dimension, the outer end of the strip being fixed from unwinding and inner windings of the strip being loose one from the



other, and means having connection with the strip for additionally winding the same to contractingly reduce the normal circumferential dimension of the body.

1,463,571. FOLDING SWING. GEORGE W. BRAME, St. Louis, Mo. Filed Dec. 9, 1922. Serial No. 605,807. 2 Claims. (Cl. 155—58.)



1. The combination of a plurality of folding side supporting-standards which are pivoted together in pairs and sectioned about the center of their length; hinges secured to said sections; steel plates that are removably fastened to the said sections, to prevent the latter from folding when in use; top cross-bars; suitable L-shaped brackets secured to the opposite ends of said top cross-bars; braces having one of their ends pivotally and detachably mounted upon the upper portion of the said top cross-bars, and braces having their upper ends pivotally mounted in common screw-eyes, and having provided at their lower ends hooks adapted to engage common screw-eyes located adjacent the upper ends of said folding side supporting-standards.

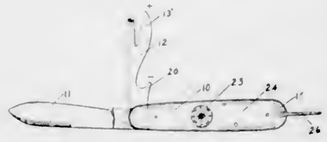
1,463,572. BOLT. GEORGE E. CARTER, Circleville, Ohio. Filed Oct. 17, 1919. Serial No. 331,258. 1 Claim. (Cl. 151—5.)



As a new article of manufacture, a bolt including a threaded shank, said shank having its extreme outer end provided with a chamber extending longitudinally into said shank, said chamber being of sufficient size to produce a relatively thin circumferential wall upon the

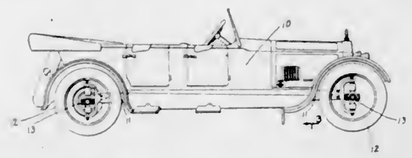
end of the bolt, and said wall having a plurality of radially disposed circumferentially spaced openings formed therein and in registration with each other, the axes of said openings being substantially at right angles to the longitudinal axis of the bolt.

1,463,573. KNIFE. TINT CHAMPLIN, Little Valley, N. Y. Filed June 17, 1922. Serial No. 569,160. 4 Claims. (Cl. 7—11.)



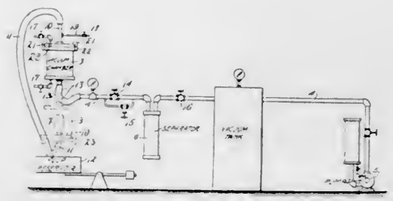
1. A knife having a handle, a magnetized blade pivoted at one end thereof, a magnetized spring bearing against said blade fixed in said handle, and a compass embedded in said handle between said blade and said spring.

1,463,574. VEHICLE SUSPENSION. FREDERICK E. CLEMONS, Indianapolis, Ind. Filed Aug. 19, 1921. Serial No. 493,709. 7 Claims. (Cl. 267—60.)



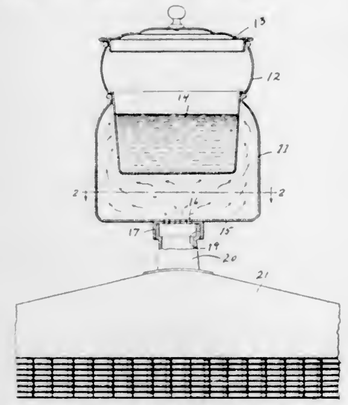
1. In a vehicle, the combination with an axle, and a relatively rigid vehicle framework, of a plurality of radially extending yielding constructions connected to said axle at their inner ends for peripheral cushioning of the axle, and yoke means rigidly secured to said framework and connecting the outer ends of said constructions to said framework.

1,463,575. MOLD AND PROCESS FOR FORMING ARTICLES FROM PULP OR OTHER PLASTIC MATERIAL. SIMON COOPER, Brooklyn, N. Y., assignor to Vacuum Pulp Products Corporation, New York, N. Y., a Corporation of Virginia. Filed Aug. 22, 1917. Serial No. 187,541. Renewed Dec. 29, 1922. 11 Claims. (Cl. 92—54.)



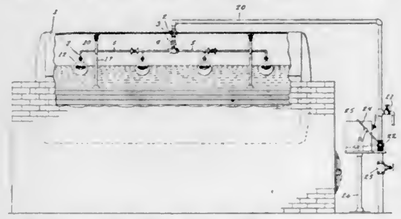
1. The process of forming articles from pulp material which comprises forcing the material into the mouth of a hollow-opened, porous mold while the mold is in an inverted position and then further forcing material into the mold with the mold positioned right side up.

1,463,576. COOKER ATTACHMENT FOR AUTOMOBILE RADIATORS. CHARLES M. DALY, East Elmhurst, N. Y. Filed Sept. 21, 1922. Serial No. 589,602. 5 Claims. (Cl. 126—20.)



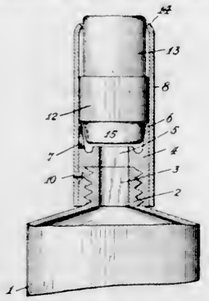
3. In combination an automobile radiator, a filling neck, a vessel having a perforated bottom, a tubular member surrounding the perforations and fastened to the vessel, and means for rigidly fastening the member to the neck.

1,463,577. TIMING MECHANISM FOR BOILER SKIMMERS. FREDRICK EISERMAN, WILLIAM EISERMAN, and HERMAN EISERMAN, Cleveland, Ohio. Filed Sept. 6, 1921. Serial No. 498,943. 8 Claims. (Cl. 161—7.)



1. In a timing mechanism for valves, the combination of an electric motor, a controlling wheel driven thereby and operatively connected to the valve, a clock mechanism controlling the motor circuit, and means automatically actuated by the rotation of the wheel to control the operation of the clock mechanism.

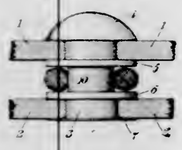
1,463,578. MEASURING DEVICE FOR COLLAPSIBLE TUBES. FRANK L. DYER, Montclair, N. J. Filed Jan. 8, 1921. Serial No. 435,972. 5 Claims. (Cl. 221—60.)



1. A measuring device for attachment to a collapsible tube comprising a tubular body which screws upon the

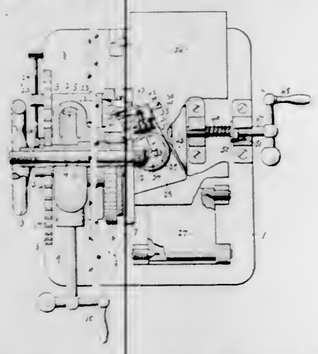
neck of the tube, a tube rotatably mounted on said tubular body and having a discharge opening, and a plunger in the rotatable tube, substantially as set forth.

1,463,579. EASY-LACING DEVICE. LOUIS FUNCK, Bronxville, N. Y. Filed Oct. 20, 1922. Serial No. 595,740. 5 Claims. (Cl. 24—149.)



1. In devices for lacing together adjoining edges of leather or similar material, the combination of additional strips adjacent said edges, eyelets along said edges and strips, short cylindrical bearings in the eyelets, having flanges against the inside of said leather edges and strips, loose collars between said flanges, buttons removably mounted on the outside of the bearings to cover the eyelets, and means to hold the bearings in place.

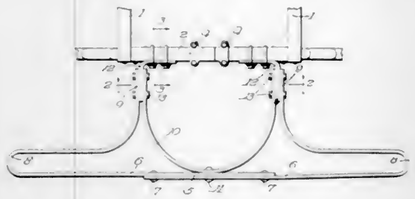
1,463,580. APPARATUS FOR TESTING THE CONTOURS OF GEAR TEETH. CLARENCE J. HARTER, Syracuse, N. Y. Filed Sept. 20, 1921. Serial No. 501,873. 8 Claims. (Cl. 33—172.)



7. In an apparatus for testing the accuracy of form and position of the teeth of gears and analagous objects, the combination of means for supporting said object with the tooth to be tested in a certain position, a test block in fixed relation to the position of the tooth under test, and an indicator having a movable contact member, said indicator being movable to bring its contact member first into engagement with the test block and then into engagement with the part of the tooth to be tested.

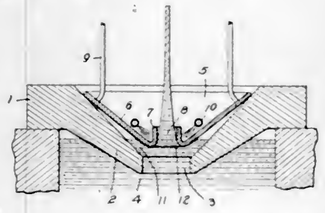
1,463,581. AUTOMOBILE BUMPER. CHARLES H. HATHAWAY, West Allis, and WILLIAM A. STARCK, Milwaukee, Wis., assignors to Badger Manufacturing Corporation, Milwaukee, Wis., a Corporation of Delaware. Filed Aug. 23, 1921. Serial No. 494,647. 2 Claims. (Cl. 293—55.)

2. A bumper for attachment to an automobile frame having a traverse end bar, having, in combination, L shaped supporting brackets, each having an arm abutting the front of the transverse frame bar and the other arm projecting forwardly therefrom, means comprising U bolts and clamping plates for rigidly fastening the L shaped brackets to the frame end bar, a transverse impact bar provided with rearwardly extending supporting arms having the free ends thereof positioned adjacent the projecting arms of the L shaped brackets, a U shaped reenforcing bar rigidly fastened at its base to the transverse impact bar and having its free ends positioned on the other side of the free arms of the L shaped bracket, and



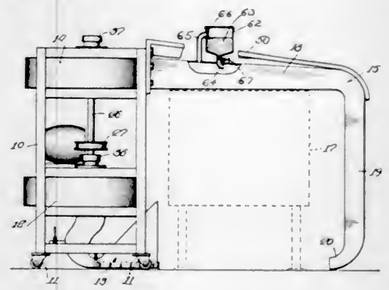
means extending through the free ends of the L shaped impact supporting arms, bracket arm and reenforcing bar and rigidly fastening the same together.

1,463,582. DRAWING GLASS SHEETS. HALBERT K. HITCHCOCK, Pittsburgh, Pa., assignor of one-half to Hitchcock Experiment Company, a Corporation of New Jersey. Filed Dec. 23, 1919. Serial No. 346,845. 14 Claims. (Cl. 49—17.)



14. The process of drawing a glass sheet which consists in chilling a body of glass between the laterally extending walls of a pair of slot members, lying one above the other, in a melted bath of glass, anchoring the base of the glass sheet to said chilled body of glass, and drawing the sheet through the slot of the upper slot member, such upper slot member being of metal and acting as a die, and the lower slot member being of clay.

1,463,583. COMBINED BLAST AND SUCTION SWEEPER. CHARLES P. HOLLERAN, Chicago, Ill. Filed July 26, 1920. Serial No. 399,071. 6 Claims. (Cl. 15—14.)



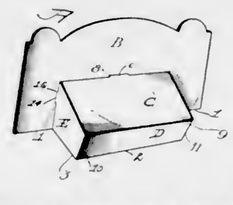
1. A pneumatic sweeper for sweeping the space underneath an article of furniture, comprising a suction head, a blast nozzle spaced a substantial distance from said suction head, sufficient to receive the article of furniture between them, said blast nozzle being directed toward said suction head, whereby the dirt underneath said article of furniture may be blown toward said suction head by said blast nozzle and sucked up by said suction head.

1,463,584. HAY SWEEP. LOUIS J. JENSON, Fort Collins, Colo. Filed July 15, 1921. Serial No. 484,928. 7 Claims. (Cl. 15—252.)



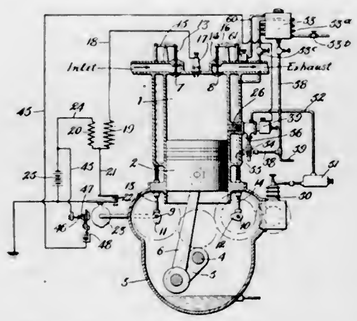
1. In a hay sweep cleaner a rack adapted to ride on the tines of a hay sweep, a rearward extension therefrom, ground contacting elements secured thereto, a support adapted normally to hold said elements out of contact with the ground, a horizontal member along which said support rides in a path parallel with the normal path of travel of the sweep, yielding means for keeping said member normally in a raised position, means in opposition to said yielding means for depressing said support, and means for keeping it in a depressed position during a predetermined rearward travel of the hay sweep.

1,463,585. DISPLAY CARD. CHARLES B. KELLOGG, Chicago, Ill. Filed Aug. 10, 1922. Serial No. 581,013. 4 Claims. (Cl. 40—126.)



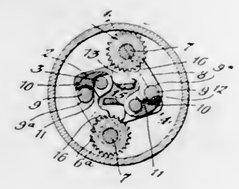
1. A display card made from a single blank, comprising a front member having top, front and side sections, a back member, a section intermediate the top of the front member and the back member adapted to be folded to lie parallel to the back member, and means for frictionally holding the front member in locked relation to the back member.

1,463,586. INTERNAL-COMBUSTION ENGINE. VICTOR W. KLIESRATH, East Orange, N. J., assignor of one-half to Caleb S. Bragg, Cincinnati, Ohio. Filed Aug. 30, 1919. Serial No. 320,806. 21 Claims. (Cl. 123—25.)



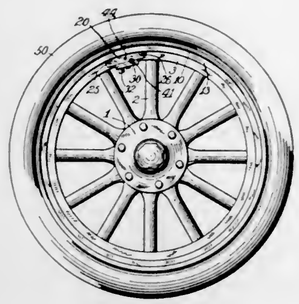
1. In an internal combustion engine provided with a cylinder and piston, and charge supplying and ignition mechanism, means independent of the normal charge supplying mechanism for introducing into the cylinder at a point in the cycle of the engine between the instant of ignition of a normal charge and the end of the piston stroke effected thereby, a quantity of material capable of absorbing heat from the ignited charge, and increasing the pressure thereof, including adjustable means for varying the timing of the admission of said material with respect to the piston between its inner and outer positions, whereby the timing of the admission of said material may be advanced or retarded with respect to the power stroke of the piston.

1,463,587. BOILER-TUBE CLEANER. ALBERT F. KRAUSE, Buffalo, N. Y., assignor to General Specialty Company, Buffalo, N. Y., a Copartnership. Filed Mar. 18, 1921. Serial No. 453,311. 9 Claims. (Cl. 15—104.13.)



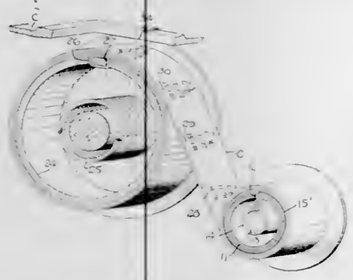
1. A boiler tube cleaner, comprising a rotatable head, a cutter, a member carrying the cutter and movably mounted on said head, said carrying member extending across and on opposite sides of the head, and controlling means for causing said carrying member to move in the direction of its length on the rebound of the cutter.

1,463,588. DEMOUNTABLE WHEEL RIM. KARL I. NUTTER, Martinsville, Ind. Filed June 4, 1921. Serial No. 474,913. 7 Claims. (Cl. 301—17.)



1. A vehicle wheel including a wheel felly having a recess in its inner portion, a gear case having a base member arranged in the recess and two side plates secured to opposite sides respectively of the felly, the case having also a cap secured to said plates, the base member having a journal bearing that extends to the periphery of the felly, a shaft rotatably supported by the journal bearing, a toothed operating wheel arranged in the gear case and fixed to the shaft adjacent to the inner end thereof, and a power device fixed to the outer end of the shaft.

1,463,589. PROCESS OF ADJUSTING MEASURING MACHINES. JOHANNES TH. PEDERSEN, Flushing, N. Y., assignor, by mesne assignments, to The Measuregraph Company, a Corporation of Missouri. Filed Dec. 9, 1919. Serial No. 343,635. 4 Claims. (Cl. 33—129.)



1. In the process of adjusting the size of a roll formed by rolling a measurement chart past a reference mark and upon a roller, the steps which consist in winding a shim within the roll and shortening the size of the shim until substantially correct measurement indications are obtained.

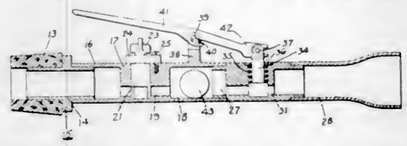
1,463,590. WINDSHIELD CLEANER. JULIUS PEDERSEN, Bridgeport, Conn. Filed Dec. 9, 1921. Serial No. 521,119. 3 Claims. (Cl. 15—252.)



1. A wind shield cleaner comprising a pair of elongated wiper members adapted to be positioned on opposit faces of a glass wind shield, a substantially U-shaped holder for supporting and connecting said wiper members, one end of said holder being rigidly connected to one of said wiper members, and the other end extending in spaced relation to the other wiper member, and a bow spring rigidly connected to said spaced end and having its end portions connected at spaced points to said other wiper member to yieldably support the one with relation to the other and to maintain them in aligned relation.

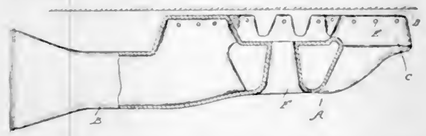
1,463,591. LIQUID-MEASURING DEVICE. OLIVER P. M. PFAFFENBERGER, Indianapolis, Ind. Filed July 14, 1922. Serial No. 574,930. 4 Claims. (Cl. 215—57.)

1. In a liquid measuring device, a tubular channel, including a measuring chamber, a plurality of valves for controlling said channel for measuring the flow of liquid, said chamber being arranged to provide access thereto,



and a volumetric reducer receivable by said chamber for reducing purposes, but permitting the flow of liquid through said chamber.

1,463,592. GAS BURNER. WILLIAM V. ROBINSON, Owosso, Mich., assignor to The Independent Stove Co., Owosso, Mich., a Corporation of Michigan. Filed Feb. 27, 1922. Serial No. 539,364. 1 Claim. (Cl. 158—99.)



A one piece burner comprising a series of radially extending arms connected together at their inner ends, each of said arms having a rounded bottom and a flat top, the sides of each arm tapering gradually upward from the rounded bottom to the flat top and having a plurality of openings therein for directing the flames laterally.

1,463,593. TRACTOR-FRAME CONSTRUCTION. JAMES ROSS, Laporte, Ind., assignor to Advance-Rumely Company, Laporte, Ind., a Corporation of Indiana. Filed Apr. 17, 1922. Serial No. 553,722. 4 Claims. (Cl. 180—54.)

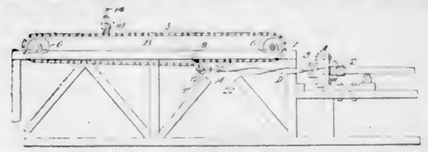


1. In a wheeled automotive vehicle a frame including in combination the transmission case of the driving engine and a plurality of frame members attached directly thereto said frame members forming the sole forward support of the vehicle frame and engine assembly in combination with a pair of axles, one adapted directly to support said transmission case and the other to support said frame members, said frame members forming the sole forward support of the vehicle frame and engine assembly, the engine being separate from the transmission case.

1,463,594. METAL-TWISTING MECHANISM. ROBERT R. RUST, New York, N. Y. Filed Oct. 11, 1919. Serial No. 329,893. 4 Claims. (Cl. 153—78.)

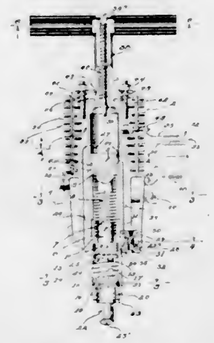
1. In a metal twisting machine, a twisting element and a pulling element, the pulling element comprising a tractive member having mounted upon it a pivoted support, a rotatable shaft in said support and means on the shaft for engaging a metal blank and pulling it through the twisting element, the support traveling

through a closed cycle, after disengagement from a metal blank, to return it to initial position, and means under



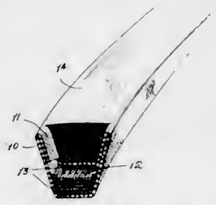
the control of a spring for aligning the means on the rotatable shaft in position for engaging a succeeding metal blank.

1,463,595. AIR-COOLED CYLINDER. SAMUEL R. SAUNDERS, Green Bay, Wis., assignor of one-half to Joseph Hendricks, South Kaukauna, Wis. Filed Nov. 17, 1921. Serial No. 516,004. 2 Claims. (Cl. 257—261.)



1. An air cooled cylinder having annular peripheral ribs, spindles extending through the ribs parallel to the axis of the cylinder and thin annular disks surrounding the cylinder between the ribs and loosely held by said spindles.

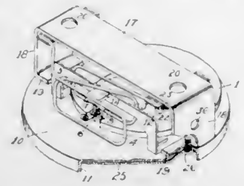
1,463,596. TRANSMISSION BELT. JAMES W. SCHADE, Akron, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y., a Corporation of New York. Filed Aug. 14, 1922. Serial No. 581,628. 2 Claims. (Cl. 74—62.)



2. An endless, side-driving transmission belt comprising a trough of bias, rubberized fabric, a core-band of longitudinally-extending threads within said trough, and an outwardly-free body of rubber overlying said core and substantially filling the outer space between the wings of the trough, all of said parts being vulcanized together.

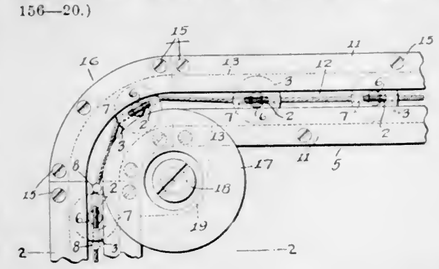
1,463,597. ELECTRIC MEASURING INSTRUMENT. WALTER M. SCOTT, Lakewood, and RALEIGH E. TRESISE, Cleveland, Ohio. Filed Jan. 26, 1918. Serial No. 213,854. Renewed Jan. 10, 1922. Serial No. 528,205. 8 Claims. (Cl. 171—95.)

1. In an electric measuring instrument, in combination, a sheet metal base plate, a rectangular frame integral therewith and projecting perpendicularly therefrom, said frame having an overhanging part and said base plate having an aperture, a pivot bearing in said overhanging part, a second bearing in the base plate opposite thereto, a staff journaled in said bearings, a pointer carried by said staff and passing through said aperture, a permanent magnet carried by said base plate,



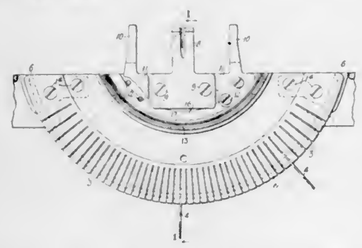
an armature carried by said staff upon the opposite side of said magnet from said base plate, a bridge attached to said base plate, and a current coil carried by said bridge, said coil being made in two spaced parts which straddle said frame and embrace said armature but lie wholly at one side of the magnet.

1,463,598. CURTAIN SUITABLE FOR USE IN STORE FIXTURES. DAVID J. SEAMAN, Saginaw, Mich. Filed Oct. 28, 1921. Serial No. 511,230. 3 Claims. (Cl. 156—20.)



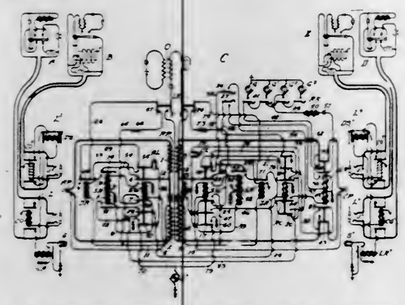
2. The combination with a bottom-slotted channel track having a bend, said track lying horizontally, curtain hangers having buttons slidable in said track, and a drawstring passed through said buttons within the track, of a large-diameter roller projecting downward at the inner side of the track to guide the top of the curtain around the bend.

1,463,599. TYPEWRITING MACHINE. GEORGE A. SEIB, Ilion, N. Y., assignor to Remington Typewriter Company, Ilion, N. Y., a Corporation of New York. Filed June 27, 1922. Serial No. 571,154. 11 Claims. (Cl. 199—183.)



1. In a typewriting machine, the combination of a platen, a set of key operated type bars, and a coiled wire device arranged in the path of the type bars so as to be struck by said type bars as they near the ends of their printing strokes.

1,463,600. TELEPHONE SYSTEM. CHARLES SPARKS, Oak Park, Ill., assignor to Kellogg Switchboard and Supply Company, Chicago, Ill., a Corporation of Illinois. Original application filed Aug. 5, 1918, Serial No. 248,281. Divided and this application filed July 9, 1919. Serial No. 309,553. 10 Claims. (Cl. 179—58.)



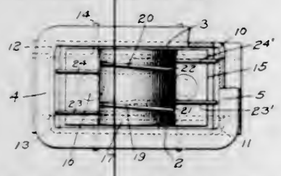
2. A telephone system including common battery and local battery telephone lines, a universal cord circuit for connecting said lines, automatic ringing means including a double-wound ringing relay for ringing a called one of said subscribers' lines, an operator-controlled key, and means controlled by said key for closing a circuit through one winding of said relay and for connecting an interrupter in circuit with the other of said windings.

1,463,601. METHOD OF FORGING INSULATOR CAPS. CLINTON W. STOVER, Canton, Ohio. Filed Dec. 21, 1921. Serial No. 523,931. 6 Claims. (Cl. 29—155.5.).



1. The method of making an insulator cap or the like from a blank bar which includes forging a cup and extruding an ear lug on its bottom, and then bending the edge of the rim of the cup inward.

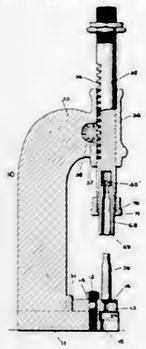
1,463,602. ROLLER SIDE BEARING. ARNOLD STUCKI, Pittsburgh, Pa. Filed June 15, 1922. Serial No. 568,439. 4 Claims. (Cl. 64—64.)



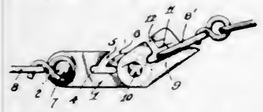
1. A side bearing for railway cars comprising a housing having its bottom forming a bearing surface and provided with side and end walls, a roller in the housing resting on the bearing surface, a spring normally retaining the roller in centered position attached to the roller, the spring and roller forming a detached unit freely insertable and removable from the housing, the free detached ends of the spring contacting the bearing surface throughout a substantial extent and adapted to be flexed whereby to place the same under tension upon movement of the roller towards the said end walls.

1,463,603. CARTRIDGE-LOADING PRESS. PHINEAS M. TALCOTT, Branford, Conn. Filed Apr. 10, 1920. Serial No. 372,906. 10 Claims. (Cl. 86—23.)

2. A cartridge loading press, comprising a frame, tool operating means upon said frame, and a removable member mounted upon said frame, said member provided with a socket for supporting said cartridge in an upright position extending above said member, said member provided with a different socket for supporting said cartridge in an inverted position extending below said member, said cartridge, when in both positions, being in alignment with said tool operating means.



1,463,604. LOCK FOR TIRE CHAINS. RAY C. WAGNER, Metamora, Ill. Filed Feb. 20, 1922. Serial No. 538,082. 5 Claims. (Cl. 24—69.)



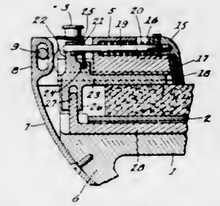
1. A tire-chain lock comprising two members pivotally connected at one of their ends, one adapted to overlie the other and one of them adapted for attachment at its other end to the tire chain, there being a main slot in each member adapted to be brought into register and lying between the pivot of the members and the place of attachment to the said chain when the members are closed upon one another, there being a second slot in each member extending in a lateral direction from and communicating with the middle of said main slot and each opening through one edge of its respective member but in opposite directions, and one of them lying at an acute angle to the said main slot with which it communicates and extending in the general direction of the pivoted end of the members.

1,463,605. CARPENTER'S SQUARE. CHARLES A. WALTERS, Marion, Iowa. Filed Apr. 20, 1921. Serial No. 463,016. 3 Claims. (Cl. 33—113.)



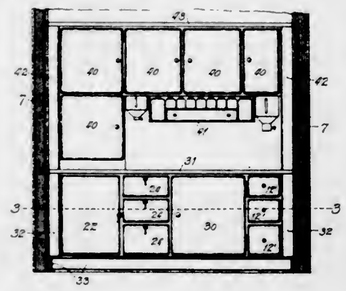
1. A carpenter's square having stamped thereon a row of enclosing figures C, pointed at one end, whose points coincide with the inch-marks on the square, a different roof-pitch being inscribed in each figure, and numerals with indexes to denote corresponding rafter-lengths and various roof measurements and angle cuts.

1,463,606. NECKBAND FORMER. CHARLES E. WAREAM, Cincinnati, and DANA H. BENJAMIN, Cleveland Heights, Ohio, assignors to The American Laundry Machinery Company, Cincinnati, Ohio, a Corporation of Ohio. Original application filed July 2, 1917, Serial No. 178,286. Divided and this application filed July 22, 1921. Serial No. 486,778. 5 Claims. (Cl. 68—9.)



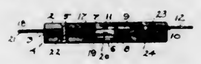
3. In a device of the character described, a neckband clamping means for operative engagement with the front of said former, a releasable lock for said clamping means, and means co-operating with said lock for tightening the clamping engagement of said clamping means.

1,463,607. BUILT-IN CABINET. CHARLES C. WHITE, Chicago, Ill. Filed Dec. 12, 1921. Serial No. 521,591. 10 Claims. (Cl. 20—1.11.)



1. In a built-in cabinet, the combination of a plurality of separately built self-supporting end-units adapted to be placed adjacent corners of a room and secured in spaced relation to form a utensil compartment between them, a separate base-board, a board separate from the units and extending over the top of the units, and vertical strips for closing the spaces between the units and the built-in walls.

1,463,608. SPARK INTENSIFIER. EMERY WINCA, Cleveland, Ohio. Filed Dec. 12, 1921. Serial No. 521,803. 1 Claim. (Cl. 175—183.)

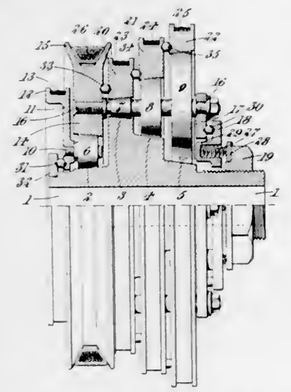


A spark intensifier, comprising three superposed flat pieces having central registering openings and two of said pieces having stepped channels in their meeting faces, separate metal conductors having offset ends provided with sparking points extending into said central openings, and means pivotally uniting said pieces together.

1,463,609. CASTING OXIDIZABLE METALS. ADOLF BECK and KARL GERSBACH, Bitterfeld, and OSKAR HERMANN WEBER, Griesheim-on-the-Main, Germany, assignors to the Firm: Chemische Fabrik Griesheim-Elektron, Frankfort-on-the-Main, Germany. Filed May 25, 1922. Serial No. 563,717. 2 Claims. (Cl. 22—189.)

1. The method of casting magnesium and alloys containing same, consisting in dusting the mould, prior to casting the metal, with a material capable of giving off, in contact with the molten metal, a gaseous substance, which is more easily oxidizable than magnesium.

1,463,610. DRIVING GEAR SPECIALLY APPLICABLE TO MOTOR-PROPELLED CYCLES. GERTRUDE MABEL CAMERON-COWBURN, Gosport, Hants, England. Filed Dec. 7, 1921. Serial No. 520,531. 1 Claim. (Cl. 74—34.)

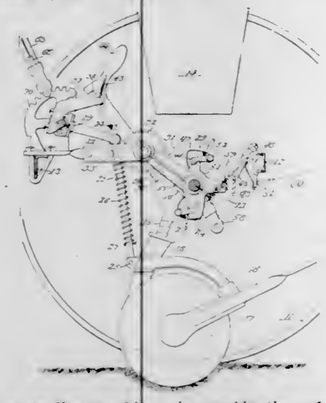


Change speed gearing with a reverse drive comprising a driving member, a driven member encircling the driving member, a plurality of sets of sun and planet gearing for forward driving having the sun members formed by friction gears integral with the driving member, a series of pins carried by the driven member and extending laterally therefrom over the sun members, smooth faced rollers forming the planet members of said gearing mounted on said pins and engaging the sun members, a ring forming a drum encircling each set of sun and planet gearing and having an interiorly smooth face forming a friction gear engaging the respective planet member, braking means for each of said drum forming rings whereby said rings can be selectively held against rotation; and a set of sun and planet gearing for reverse driving of said driven member having the sun member formed by a friction gear integral with said driving member, a disc freely rovoluble in relation to the driving or the driven member, means for holding said disc against rotation, a series of pins carried by said disc, and smooth faced rollers mounted on said disc carried pins and engaging said sun forming friction gear of the reverse driving gear set, the said reverse drive sun and planet gearing contained within the driven member which is interiorly formed to provide a friction gear engaging the reverse drive planet forming rollers.

1,463,611. ABSORBENT SHEET MATERIAL. ALBERT L. CLAPP, Marblehead, Mass., assignor to The Flintkote Company, Boston, Mass., a Corporation of Massachusetts. Filed July 5, 1918. Serial No. 243,391. 3 Claims. (Cl. 154—51.)

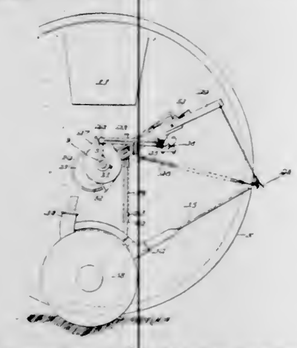
1. A porous absorbent sheet of roofing felt, consisting of the fibers of "news" and chemical wood pulp, and an initially porous absorbent fireproof filler, all in intimate admixture.

1,463,612. POWER LIFT FOR GRAIN DRILLS. CALVIN R. DAVIS, Rockford, Ill., assignor to Emerson-Brantingham Company, Rockford, Ill., a Corporation of Illinois. Filed Apr. 23, 1918. Serial No. 230,211. 5 Claims. (Cl. 97—243.)



1. In a seeding machine, the combination of a gang of drills, a wheel shaft, a rock shaft and connections therefrom to the drills so that upon rocking the shaft the drills will be raised and lowered, a driving gear loose on the wheel shaft, a driven gear in mesh with said driving gear and having a connection with said rock shaft constructed so that during a complete revolution of the driving gear the rock shaft will be operated to fully raise and lower the drills, a toothed driving member fixed to the wheel shaft, a pawl carried by the driving gear and adapted to engage said toothed driving member, a pawl control member adapted to oscillate about the wheel shaft and having circumferentially spaced surfaces for holding the pawl out of engagement with said toothed member and for allowing upon oscillation of the control member the pawl to operatively engage said toothed member.

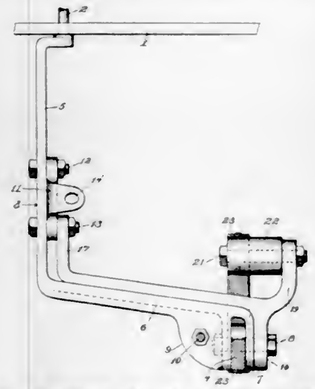
1,463,613. POWER LIFT FOR GRAIN DRILLS. CALVIN R. DAVIS, Rockford, Ill., assignor to Emerson-Brantingham Company, Rockford, Ill., a Corporation of Illinois. Filed Dec. 8, 1920. Serial No. 429,208. 11 Claims. (Cl. 97—244.)



1. In a machine of the character described, the combination of a ground-breaking device, a rock shaft connected with said device, power-operated means for rocking said shaft to raise and lower said device, including an eccentric, an eccentric band, an arm fixed to said band and carrying a fixed abutment and an adjustable abutment, and an arm fixed to said rock shaft and having a part disposed between and adapted to be operated by said abutments, said adjustable abutment adapted for determining the working depth of said device and said fixed abutment for lifting the device to a uniform height at each raising operation.

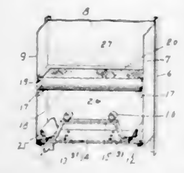
11. In an implement of the character described, the combination of a drive shaft, a rock shaft, an eccentric loose on the drive shaft, an eccentric band having a rigid translating arm extending therefrom, opposed abutments on the outer end of said arm, one of said abutments being adjustable outwardly and inwardly on said arm, a part fixed to the rock shaft having a lateral projection disposed between said abutments and adapted to be operated by throw of the eccentric, a clutch on the drive shaft adapted for intermittently connecting the eccentric thereto, and a clutch control lever pivotally mounted on said part.

1,463,614. LOOM ATTACHMENT. JOHN L. DAVIS and LOUIS D. COOLEY, Greenville, S. C. Filed Feb. 13, 1922. Serial No. 536,124. 5 Claims. (Cl. 139—140.)



1. The combination with a picker foot, said picker foot having an arm provided with a forwardly projecting bifurcated portion, of a picker stick extending through said bifurcated portion, a bracket having a forwardly projecting arm bearing against one side of said bifurcated portion, and having a rearwardly projecting arm offset outwardly beyond the plane of but parallel with said forwardly projecting arm, a bolt passing through said forwardly projecting arm of the bracket and the bifurcated portion of the picker foot and fastening said bracket to said bifurcated portion and pivotally connecting the picker stick therewith, a supporting member carried by the rearwardly projecting offset arm of the bracket and extending inwardly in rear of the bifurcated portion of the picker foot, a spring drum carried by said supporting member, and a strap connecting said drum with the picker stick.

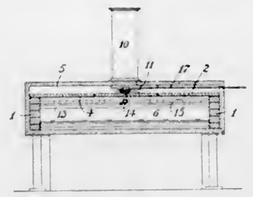
1,463,615. CLOTHES DRIER. ELLIS O. DE CAMP, Cincinnati, Ohio, assignor to The Williamson Heater Company, Cincinnati, Ohio, a Corporation of Ohio. Filed Aug. 11, 1922. Serial No. 581,067. 5 Claims. (Cl. 34—26.)



1. The combination with a casing and burners adapted to generate heat within the casing, of a deflector plate

mounted above the burners and dividing the casing into a drying chamber and a heating chamber, part of the deflector plate extending over the burners and having perforations formed in it, the perforations increasing in number as the plate recedes from the burner.

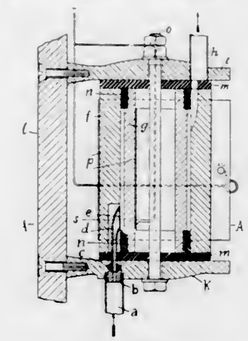
1,463,616. BAKER'S OVEN. WILLIAM DREDGE, Manchester, England. Filed Jan. 3, 1921. Serial No. 434,697. 3 Claims. (Cl. 107—57.) (Granted under the provisions of the act of Mar. 3, 1921, 41 Stat. L., 1313.)



1. A baker's oven of the type referred to, comprising a casing composed of non-conducting walls, an oven chamber having means for heating the same internally, a flue extending longitudinally of the said chamber and a tube or tubes in the interior of the baking chamber having perforations or apertures through which the hot vapors or combustion products can be removed throughout the whole length of such chamber or a part of the length thereof.

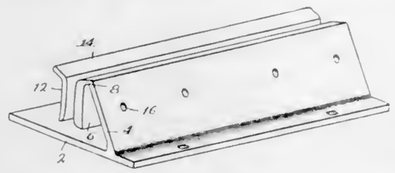
3. A baker's oven of the type referred to, comprising a casing composed of non-conducting walls, a flue extending longitudinally of the baking chamber, an uptake at one end of the oven structure, perforated pipes extending across the interior of the baking chamber and arranged in groups located in a different position in the length of the baking chamber, each group being connected to a separate valve controlled main pipe leading to the collecting chamber or uptake, so as to enable any of the groups to be thrown into or out of operation, whereby the hot vapors can be drawn off in a body as they are created, or removed gradually or retained, or retained at the initial stage of the baking, but removed at the final stage or vice versa.

1,463,617. ELECTRIC LIQUID HEATER. FERDINAND E. GEORG EISSELT, Chemnitz, Germany, assignor to Edmund Richter, Chemnitz, Germany. Filed July 7, 1921. Serial No. 483,113. 4 Claims. (Cl. 219—40.)



1. The combination, in an electric liquid heater, of a central electrode within a liquid receiving chamber surrounded by means of a cylindrical outer electrode, having at its inside an oblong depression extending upwardly from the bottom end of the said outer electrode, with a nozzle extending through the bottom of the said liquid receiving chamber into the said depression and adapted to lead the liquid from the botttom upwardly to the said liquid receiving chamber, all substantially as set forth.

1,463,618. RAIL JOINT. FRANK B. ELLIOTT, Belle Plaine, Kans. Filed Nov. 10, 1922. Serial No. 600,044. 2 Claims. (Cl. 238—195.)



1. In a rail joint, a base adapted to underlie the bottoms of two abutting rails, an inclined brace extending upwardly from one side of said base, a wing spaced from said brace and adapted to lie against the webs of the rails, a seat resiliently-connecting the upper portions of the brace and said wing, and bolts extending through the rails, the brace and the wing to secure the joint to the rails and force the free portion of said brace towards the wing to create a nut-lock action on the bolts, substantially as described.

1,463,619. CARDCASE. PRINCE A. GARDNER, St. Louis, Mo. Filed June 6, 1921. Serial No. 475,239. 2 Claims. (Cl. 206—56.)

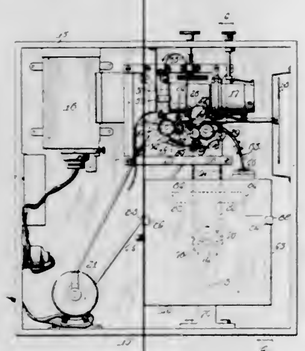


1. A receptacle containing a pocket and having a strap one end of which is fastened within the said pocket and the other end exposed exterior to the receptacle, the said strap being bent intermediate its end at a point located within its said pocket, the said pocket containing a slit through which the said strap passes and the said strap having a disk at its outer end to prevent its slipping through said slit and providing a finger grip for facilitating the drawing of said strap outward of said slit to effect the lifting of the contents upwardly of said receptacle, the means within the said pocket for attaching therein the other end of the said strap consisting of a cross-piece fastened transversely to the back of the main body between which and the said back the said end is held, said cross-piece serving to brace the said back.

1,463,620. FILM WINDING AND DELIVERY MEANS FOR MOTION-PICTURE DEVICES. LOUIS B. LARSEN and OSCAR J. HOLMES, Chicago, Ill. Filed Mar. 14, 1921. Serial No. 451,954. 11 Claims. (Cl. 88—18.7.)

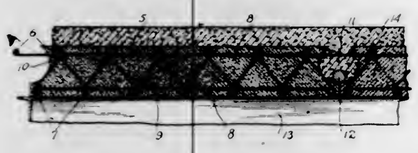
1. A combined film-holder and casing for an endless film comprising walls forming a casing having an inlet and an outlet for the film, means within the casing for

operatively holding between normally substantially vertical planes touching the opposite edge portions of the ring a film ring comprising a plurality of convolutions of the film, a rotary film-pulling means for drawing the film from one convolution of said ring, and rotary film-delivering means for receiving and delivering the film from said



film-pulling means, the film-pulling means being operatively positioned substantially between the vertical planes substantially defined by the opposite edges of the film ring and having an axis of rotation at substantially a right angle to said planes, the film-delivering means being spaced from the film-pulling means.

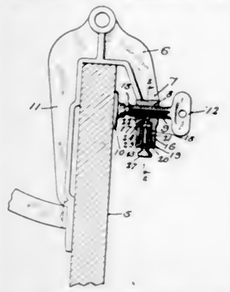
1,463,621. FLOOR SLAB. FRED LICHTENBERG and MICHAEL M. MCCARTHY, Yonkers, N. Y. Filed Nov. 16, 1921. Serial No. 515,432. 2 Claims. (Cl. 72—66.)



1. Flooring slabs of cementitious material recessed along their upper edges to provide when the slabs are assembled with their lower edges in abutting engagement, troughs open at the top to receive plastic bonding material, layers of reinforcement near the upper and lower faces of the slabs, said layers being connected in spaced relation by ties, the lower reinforcement layers including reinforcement rods extending along the lower projecting abutting edges of the slabs and the upper reinforcing layers having extensions projecting past the recessed upper edges of the slabs, beyond the lower projecting edges thereof and across the troughs provided between adjoining slabs to thereby form a substantially continuous reinforcement and bond between the slabs.

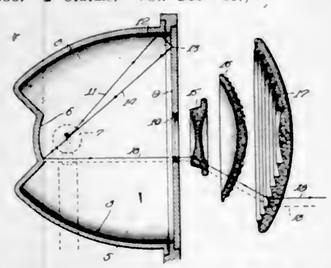
1,463,622. CLAMP-BOLT LOCK. FRED LUMMER, Milwaukee, Wis. Filed June 30, 1922. Serial No. 571,847. 1 Claim. (Cl. 151—10.)

In a bolt lock, a bolt provided with longitudinally extending slots, a transversely disposed spring pressed plunger adapted to engage said slots to prevent retrograde movement of the bolt, a pin carried by the plunger adapted to cooperate with a slot in the member through which the bolt is threaded to restrain the plunger from rotation, and a cap on the outer end of the plunger, said plunger being held out of engagement with the bolt by



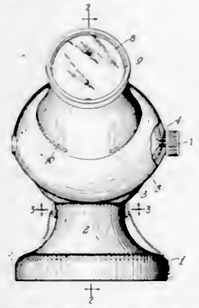
moving said cap outwardly to disengage the pin from its slot and then partially rotating the cap to disalign said pin and slot.

1,463,623. LIGHT-PROJECTING APPARATUS. DANIEL J. MCCARTHY, Elgin, Ill., assignor to Chicago Railway Signal and Supply Company, Chicago, Ill., a Corporation of Illinois. Filed June 28, 1920. Serial No. 392,353. 2 Claims. (Cl. 240—41.)



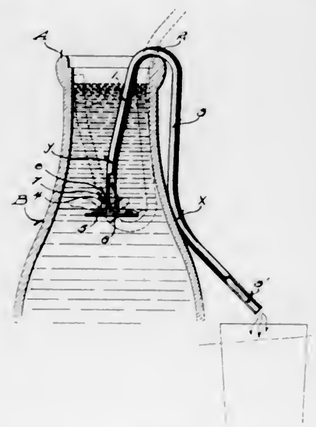
1. A light projecting device comprising an inner reflector substantially parabolic in form and a cooperating outer reflector substantially elliptic S in form in which the focal points of the elliptical reflector and of the parabolic reflector coincide to project light in the same direction; a source of light at said focal point and an opposing reflector arranged to return the light proceeding from the elliptical reflector only, thru said focal point to the parabolic reflector.

1,463,624. ILLUMINATING DEVICE FOR THE EXAMINATION OF NEGATIVES. ELLIOTT B. MABEE, Brooklyn, N. Y. Filed Feb. 25, 1922. Serial No. 539,096. 10 Claims. (Cl. 88—14.)



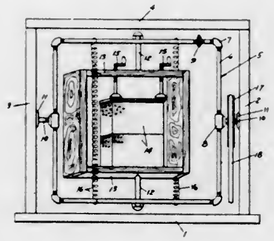
1. The device herein described consisting of a hollow base member terminating at its upper end in a substantially hemispherical part, and a second hollow member pivoted to the base member, the base member having an opening which adjoins a similar opening in said second member, said second member having a spherical part which is adapted to rotate over and upon the said substantially hemispherical part of the base member.

1,463,625. CREAM SEPARATOR FOR MILK CONTAINERS. JACOB MAIER, NICHOLAS LENZ, and CLARENCE E. RADMER, Milwaukee, Wis. Filed Sept. 30, 1922. Serial No. 591,662. 1 Claim. (Cl. 137—20.)



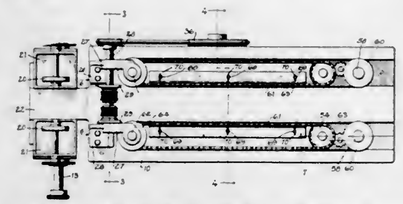
The combination of a rigid siphon tube, a disk positioned below the mouth thereof, means detachably securing said disk to the end of said tube, said tube having a bend 2 therein adapted to rest on the lip of a bottle, and a bend spaced from said disk and adapted to rest against the side of a bottle, said tube diverging outwardly from said bend for the feeding of liquid into a container, the contact of said bend with the side of the bottle operating to maintain said disk substantially centrally and horizontally disposed in said bottle, whereby on the removal of said disk, said tube may be inverted and inserted in the neck of said bottle to receive liquid by which the siphon action may be initiated.

1,463,626. AGITATING MACHINE. ANTONY MARRAZZO, New York, N. Y. Filed May 24, 1923. Serial No. 641,041. 8 Claims. (Cl. 259—72.)



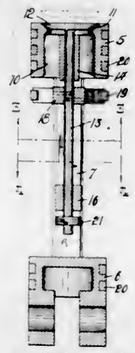
1. An agitating machine comprising a mold retaining mechanism means for removably securing the mold thereto and means for imparting to the mold retaining mechanism a rotative motion about two axes.

1,463,627. CARTON-SEALING MECHANISM. MICHAEL J. MILMOE, Chicago, Ill., assignor to F. B. Redington Company, Chicago, Ill., a Corporation of Illinois. Filed Jan. 7, 1920. Serial No. 350,038. 46 Claims. (Cl. 93—6.)



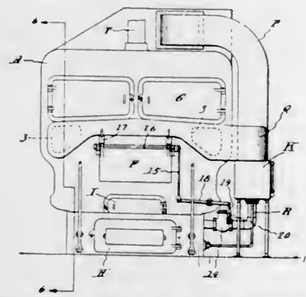
1. The combination with means for moving a carton having a flap thereon, of a rotatary member having a convex inclined face arranged to engage said flap for closing said flap.

1,463,628. CHECK-VALVE CONTROL MEANS FOR PISTONS. FRANK L. MUMFORD, Toledo, Ohio. Filed May 25, 1922. Serial No. 563,656. 2 Claims. (Cl. 230—27.)



1. In combination, a cylinder, a piston mounted therein and having an opening longitudinally therethrough, a check valve seating in the piston opening and having a stem projecting therefrom through the piston and guided for limited reciprocatory movements longitudinally thereof, and means carried by the valve stem for movements therewith, said means having a friction ring in sliding coaction with the cylinder wall to cause an opening of the valve when the piston is moved in one direction and a closing of the valve when moved in the opposite direction.

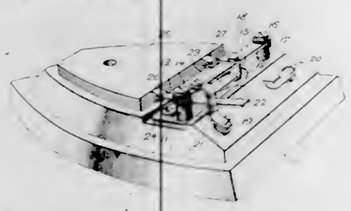
1,463,629. METHOD OF AND APPARATUS FOR SMOKE PREVENTION. HARRY M. NORIS, East Cleveland, Ohio. Filed Feb. 6, 1922. Serial No. 534,366. 14 Claims. (Cl. 110—55.)



1. The method of firing a furnace comprising stoking the furnace at intervals, directing fresh air over the fuel

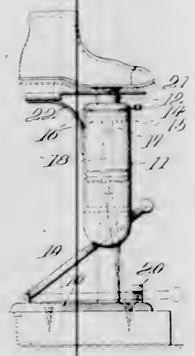
in the fire pot immediately after stoking, using water to control the supply of air so directed, and sprinkling into the ash pit water so used.

1,463,630. ELECTRIC HEATER. WILLIAM A. RANKIN, Oak Park, Ill., assignor to Edison Electric Appliance Co., Inc., a Corporation of New York. Filed Apr. 12, 1921. Serial No. 460,726. Renewed Apr. 4, 1923. 8 Claims. (Cl. 219—25.)



1. The combination with an electric heater, of a body heated thereby, a thermostatic element attached to said body in direct heat conducting relation therewith, and cooperating insulated contacts in the circuit of said heater, one of which is carried by said thermostatic element, whereby the temperature of said body is controlled by the thermostatic element.

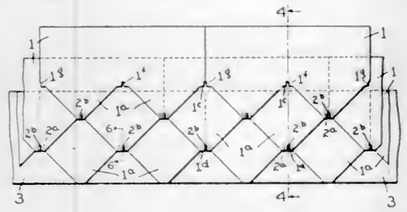
1,463,631. SUCTION SUPPORT FOR BOOTBLACK STANDS AND THE LIKE. GOTTLIEB SCHONSTEINER and THOMAS EDWARD MICHAEL, Pittsburgh, Pa. Filed Sept. 30, 1922. Serial No. 591,519. 6 Claims. (Cl. 15—265.)



1. A device of the class described comprising a stand having a cylinder at one end provided with a thread, a foot-support forming a cap and having a thread complemental to the first thread, and a resilient member having an opening communicating with said cylinder, and a piston working in said cylinder.

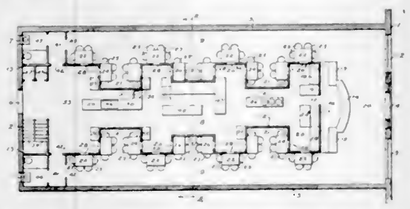
1,463,632. COMPOSITION SHINGLE. RICHARD S. SEVERNS, Delanco, N. J. Filed Sept. 29, 1922. Serial No. 591,283. 2 Claims. (Cl. 108—7.)

1. The combination of a shingle having a body portion with a plurality of integral spaced triangular tabs projecting from the lower edge thereof, each tab having a perforation near its lower end, and the body portion having slots at each side of each tab, the slots in the body portion of one row of shingles being adapted to register with the perforations in the tabs of the next superimposed row of shingles; with T-shaped metallic fastening clips having bases adapted to be inserted beneath the shingles in the middle ply with their shanks bent upward and extending through the slots in such shingles, and also through the perforations in the tabs of the next superimposed row of shingles with their outer ends bent down over the ends of said tabs to lock said tabs to the body portions of the



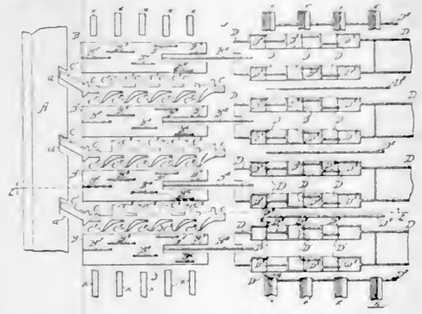
underlying shingles; whereby the tabs of the upper ply of shingles are locked to the body portions of the middle ply and the imperforate lower ply of shingles under said fastening clips preventing seepage of water past the clips and into the roof.

1,463,633. RESTAURANT ROOM. ELLASSON R. SMITH, Dayton, Ohio. Filed Dec. 12, 1921. Serial No. 521,889. 3 Claims. (Cl. 20—1.1.)



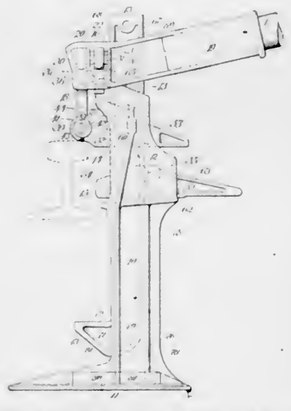
1. The combination with a central service hall and exterior dining halls, the central service hall being separated from the dining halls by a wall crenelated in plan to provide three-sided service alcoves opening freely into the main part of the service hall, said wall being provided with three-sided dining alcoves opening freely into the respective dining halls, the wall of each service alcove having service openings in its several sides.

1,463,634. COOLING BED. GEORGE MARSHALL SMITH, Chicago, Ill., assignor to Interstate Iron and Steel Company, Chicago, Ill., a Corporation of Illinois. Filed Oct. 22, 1921. Serial No. 509,682. 5 Claims. (Cl. 80—42.)



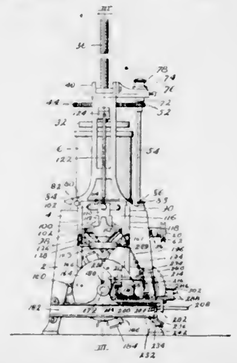
5. In a cooling bed for metal bars, the combination of a series of inclined skid-beams forming the first section of the bed provided with skid-flanges on their upper faces, the flanges on each beam being staggered in different planes lengthwise thereof, means to feed the bars along the flanges, a series of racks forming the second section of the bed and provided with a series of pockets, flanges on a plurality of the pockets at the receiving end of each rack arranged in staggered relation in each pocket, and means to move the bars along the racks from one pocket to an adjoining one.

1,463,635. LIFTING JACK. ARTHUR L. STANFORD, Chicago, Ill. Filed Jan. 23, 1922. Serial No. 531,087. 19 Claims. (Cl. 254—106.)



1. In a lifting jack, the combination of a socket member, a lifting bar slidable within the socket member, clutch members for engaging the lifting bar, a lever head embracing the lifting bar, a hanger connecting the lever head with one of the clutch members, a fulcrum bar extending transversely through the center of the lever head, and a fulcrum bearing block supported on the socket member and presenting the centrally disposed portion of its upper edge for contact with the lower edge of the fulcrum bar and having an undercut shoulder on each side, the lever head having on each side a member adapted to rock beneath the proximate shoulder of the fulcrum bearing block, substantially as described.

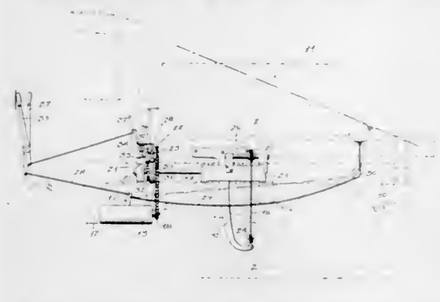
1,463,636. AUTOMATIC FOOD MOLDING AND WRAPPING MACHINE. WILLIAM STRICKER, Kansas City, Mo. Filed Feb. 19, 1921. Serial No. 446,377. 10 Claims. (Cl. 93—7.)



1. In a machine of the character described, a rotary carrier, receivers spaced apart on said carrier to successively receive lengths of material and hold a wrapper for each length, folding devices on said carrier for partly folding each wrapper around a length of material, a reciprocatory carriage associated with the carrier, means on said carriage for cooperating with the folding devices in folding the ends of the wrappers over the ends of the respective lengths of material, and grooved rollers for creasing the end folds of the wrappers.

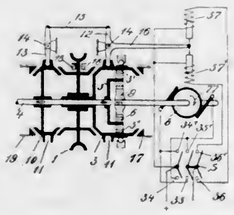
9. In a machine of the character described, means for supporting a roll of paper, means for feeding the paper from the roll and partially folding it longitudinally, and knives having cutting edges to conform substantially to the shape of the partially folded paper to cut the same into wrappers.

1,463,637. HOIST FOR VEHICLE BODIES. HENRY C. STRUCHEN, St. Paul, Minn. Filed July 12, 1920. Serial No. 395,523. 2 Claims. (Cl. 298—21.)



1. The combination with a self-propelled vehicle having a dump body tiltably supported upon the frame thereof, of an arm depending from the body, a winding drum revoluble in the vehicle frame, the axis of said drum being at right angles with respect to the pivotal axis of said body, a lifting cable attached to said drum and connected with said arm, a power take-off device operatively connected with the propelling mechanism of the vehicle and power transmitting mechanism between said take-off device and drum for turning the latter to wind said cable thereon and tilt the body, said arm, during the winding operation, being swung upon movement of the body to feed the cable longitudinally of said drum.

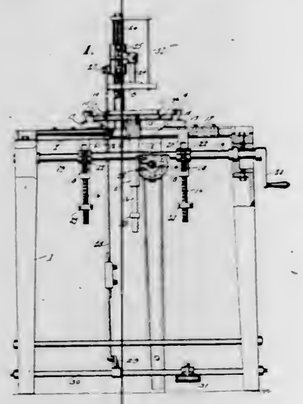
1,463,638. REVERSING GEAR. LUDWIG THALLMAYER, Berlin-Charlottenburg, Germany, assignor to Siemens-Schuckertwerke Gesellschaft mit beschränkter Haftung, Siemensstadt, near Berlin, Germany, a Corporation of Germany. Filed July 14, 1922. Serial No. 575,002. 5 Claims. (Cl. 74—34.)



1. In a reversing gear, a source of motive power, a rotatably supported shaft, a disk, rotatable thereon, but immovable in axial direction and suitable to transmit mechanical energy to machinery to be driven, said disk having a clutch member fixed to each of its sides, a first clutch drum located at one side of said disk and fixed to said shaft, said drum having a clutch face on the

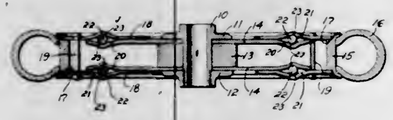
side facing said disk and having at its other side a braking face, a fixed braking member adapted to engage said braking face when said drum is axially shifted in one direction said drum engaging said disk when being shifted in the other direction, a second clutch drum disposed at the other side of said disk and revolvable on said shaft, said second drum having a clutch face on the side facing said disk and on its other side a braking face, a fixed brake member adapted to engage said last-named braking face of the second drum when the drum is axially shifted in one direction, said drum being adapted to engage said disk when axially shifted in the other direction, means adapted to axially shift said two clutch drums simultaneously in one or the other direction to alternately bring one or the other drum into engagement with said disk and said braking members respectively, and means for alternately connecting the power source to one or the other clutch drum, when the drum so connected is axially shifted to engage said disk.

1,463,639. WRAPPING MECHANISM FOR PASTEBOARD BOXES. GEORGE J. THUST, Milwaukee, Wis. Filed Aug. 7, 1922. Serial No. 580,217. 8 Claims. (Cl. 93—54.)



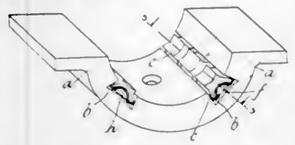
1. A machine for wrapping multisided boxes, comprising a support for the wrapper and the box, a plate for each side of said box hinged to said support, a strip for each plate and hingedly joined thereto, and a single movable member for each plate and its corresponding strip adapted to successively operate said plate and strip to force the wrapper against the side of the box and completely fold the wrapper over the edge of said box and against its inner side.

1,463,640. VEHICLE WHEEL. BENJAMIN F. WALKER, Bridgeport, Conn. Filed Mar. 17, 1921. Serial No. 452,916. 12 Claims. (Cl. 152—28.)



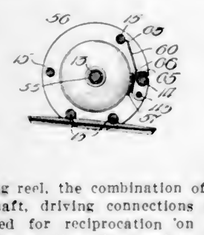
1. A vehicle wheel comprising overlapping central and peripheral portions movable relative to each other and provided respectively with opposed oppositely disposed substantially conical recesses having sockets at the apexes thereof, and retaining members in said sockets.

1,463,641. WOOD AND OTHER PULLEYS. WILLIAM ERNEST WARD and MARIUS JULES BARRE, Birmingham, England. Filed Oct. 6, 1922. Serial No. 592,899. 6 Claims. (Cl. 287—52.)



3. A bush for securing wood and other pulleys upon shafting, comprising a bush formed in two complementary portions, longitudinal recesses in the inner face of the said portions, blocks located in the said recesses and having inwardly projecting cutting edges, and means for causing the said blocks to tilt within the said recesses, the cutting edges on the said blocks being provided by forming the blocks with concave inner faces, the radius of the concavity being less than the radius of the shafting upon which the bush is to be fitted.

1,463,642. FISHING REEL. JOHN T. WELCH, Dowagiac, Mich., assignor to James Heddon's Sons, Dowagiac, Mich., a Corporation of Michigan. Filed Oct. 8, 1921. Serial No. 506,333. 5 Claims. (Cl. 242—84.4.)



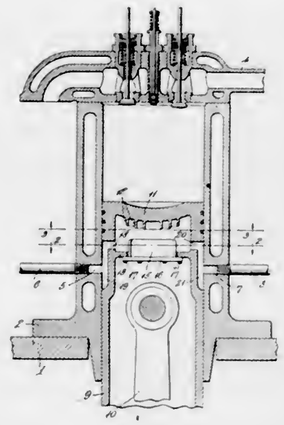
2. In a fishing reel, the combination of a spool shaft, a traversing shaft, driving connections therebetween, a carriage mounted for reciprocation on the traversing shaft, means for guiding the carriage with one side thereof facing the spool shaft, there being two parallel grooves formed on said carriage side, and a line guide in the form of a looped wire having its ends received within the groove and secured to the carriage, the looped end of the guide which extends away from the carriage being free, substantially as described.

1,463,643. LAMP FOR ROAD VEHICLES AND LIKE PURPOSES. ARCHIBALD CHARLES WHITEHEAD, Ipswich, England. Filed July 18, 1922. Serial No. 575,784. 1 Claim. (Cl. 240—41.)



A reflector of the class described consisting of upper and lower halves, the lower half having a reflecting surface of regular paraboloidal form, the upper half having a reflecting surface generated by the revolution of a parabolic segment about the major axis of the segment and simultaneously with said revolution tilting said major axis downwardly about a point displaced longitudinally of the axis of the lower half rearwardly from its focal point whereby the upper deformed half of the reflector is bodily displaced with reference to the lower regular half.

1,463,644. PISTON FOR INTERNAL-COMBUSTION ENGINES. ALEXANDER WINTON, Lakewood, Ohio. Filed Apr. 25, 1919. Serial No. 292,686. 2 Claims. (Cl. 123—171.)



1. In an internal combustion engine, a cylinder provided with inlet and discharge ports near one end, a piston within said cylinder, a wall in said piston forming a cooling chamber adjacent to the piston head, said piston having ports communicating with said chamber and adapted to register with said inlet and discharge ports, means for supplying cooling medium under pressure to the inlet port of said cylinder, means communicating with said discharge port for conducting the heated cooling medium to the atmosphere, and a baffle plate in said cooling chamber lying in a plane at an angle to a line connecting the piston ports.

1,463,645. COTTER-PIN-EXTRACTING PLIERS. JAMES OLBERT WRIGHT, Atlantic City, N. J. Filed Aug. 23, 1921. Serial No. 494,678. 3 Claims. (Cl. 29—86.2.)



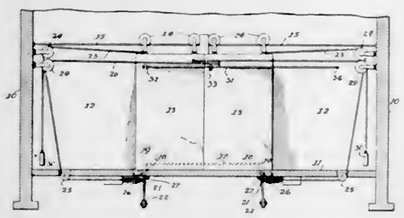
1. In a device for extracting cotter pins, handles pivoted parallel with each other, coacting jaws pivotally connected intermediate their ends and to the handles at their adjacent ends, said jaws being curved similarly for a portion of their length at an angle to their pivotal movement, said jaws having on their confronting sides, pointed extremities, recessed portions adjacent the points for gripping rounded surfaces, and flat gripping surfaces adjacent the recessed portions.

1,463,646. APPARATUS FOR PERFORMING CYCLES OF COMPRESSION, EXPANSION, COMBUSTION, SUCTION, EXHAUST, AND THE LIKE. CONSTANTIN CHILOWSKY, Paris, France. Filed Mar. 6, 1923. Serial No. 623,275. 11 Claims. (Cl. 230—22.)



1. In a rotary apparatus, an external and an eccentric internal rotor having peripheral pockets thereon, a liquid held by centrifugal force in the external rotor and capable of entering the outer open ends of said pockets and working chambers in the internal rotor communicating with said pockets.

1,463,647. DOOR-OPENING APPLIANCE. THOMAS F. COSS, Mendota, Ill. Filed Mar. 18, 1922. Serial No. 544,779. 3 Claims. (Cl. 268—8.)

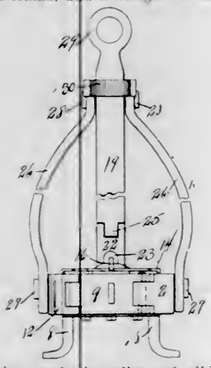


1. In a door opening device, the combination of a pair of sliding doors, a pivotally mounted tread bar normally standing in elevated relation with respect to the ground level of the runway, and provided at each end with a depending lever arm of greater length than the height of the tread bar, a roller journaled at the end of each lever arm, and a cable for each roller having one end secured to the associated door section and the other end secured to a fixed portion of the structure, the intermediate portion of the cable extending around the associated roller for the purpose of amplifying the movements of the door section occasioned by a swinging of the levers, substantially as described.

1,463,648. COMBINATION SWIVEL WRENCH PLATE AND HANGER. CHARLEY A. DULEY, Breckenridge, Tex., assignor of one-half to George G. Bowen, Breckenridge, Tex. Filed Mar. 15, 1922. Serial No. 543,831. 6 Claims. (Cl. 255—35.)

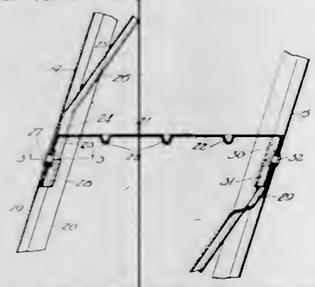
1. A wrench plate and hanger therefor comprising a frame provided with a central recess therein, a wrench

plate having a tool receiving recess therein rotatably mounted in said frame, and a hanger in sections hingedly



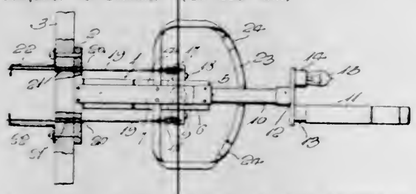
connected together and pivotally and slidably connected to said frame.

1,463,649. STEPLADDER. SJONNE FIELD, Chicago, Ill. Filed Apr. 16, 1921. Serial No. 461,869. 3 Claims. (Cl. 228—56.)



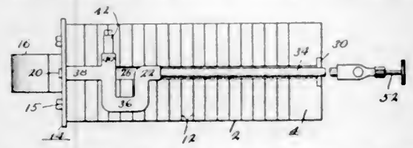
1. In a metallic step ladder, the combination of a frame consisting on each side of a front and a rear rail, each formed of sheet metal to provide an inwardly opening channel, a plurality of sheet metal treads having downwardly extending vertical flanges at their front and rear edges, each flange being provided at each end with an outwardly bulging rib nested into the channel in the adjacent frame rail, and attaching means for securing the flange ribs to the frame rails at the respective points of contact, substantially as described.

1,463,650. WAVING SIGNAL. PATRICK G. HEAGERTY, Sandusky, Ohio. Filed Oct. 6, 1922. Serial No. 592,896. 5 Claims. (Cl. 116—51.)



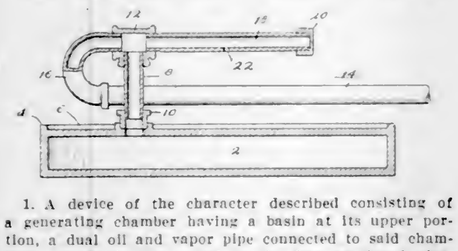
1. A vehicle signal comprising an arm adapted to be secured to and to extend forwardly from a portion of a vehicle, said arm having a bearing opening, an upright stub shaft rotatable in said bearing opening, a signal arm carried by said shaft, a cross arm secured to and extending in opposite directions from said shaft, and lines connected with and extending rearwardly from the ends of said cross arm for operating said shaft and the signal arm.

1,463,651. OIL BURNER. MINNIAFFEE J. JARDEE and ROBERT J. COWELL, St. Joseph, Mo. Filed Oct. 8, 1921. Serial No. 506,227. 3 Claims. (Cl. 158—65.)



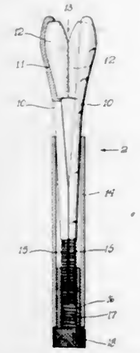
1. In a device of the character described, a burner body tapering towards its ends and having openings therein for the escape of a combustible mixture, a rear wall removably secured to said burner body, a curved mixing chamber supported by said rear wall, the upper intake end of said mixing chamber being spaced from the rear wall while the lower or discharge end of said mixing chamber terminates flush with said rear wall and communicates with the rear portion of the body to discharge the combustible mixture into said body, a generator provided with a goose neck and extending longitudinally of the burner body and arranged to discharge into the intake of the mixing chamber, and a trough extending longitudinally of the burner body and beneath said generator for the purpose described.

1,463,652. OIL BURNER. MINNIAFFEE J. JARDEE and ROBERT J. COWELL, St. Joseph, Mo. Filed Aug. 21, 1922. Serial No. 583,138. 2 Claims. (Cl. 158—66.)



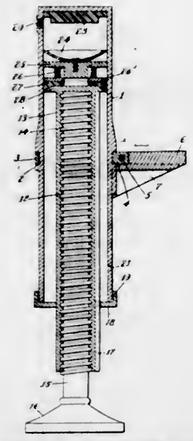
1. A device of the character described consisting of a generating chamber having a basin at its upper portion, a dual oil and vapor pipe connected to said chamber, a feed pipe connected to the first-mentioned pipe, and a burner also connected to the first-mentioned pipe and having an orifice directed toward the chamber.

1,463,653. SHARPENING IMPLEMENT. ROCKWELL ADDISON LOOMIS, Guatemala, Guatemala. Filed Feb. 17, 1922. Serial No. 537,172. 4 Claims. (Cl. 52—214.)



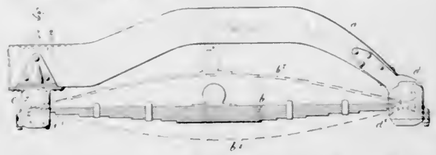
1. A grinding implement comprising a tubular member, jaw members inserted into the tubular member and diverging beyond the end thereof, abrading members retained in abutting position by the diverging portions of the jaw members and presenting a grinding angle, and means to exert tension upon the jaw members.

1,463,654. PNEUMATIC JACK. ARTHUR E. MCNULTY, Bangor, Me. Filed Mar. 18, 1922. Serial No. 544,706. 6 Claims. (Cl. 138—9.)



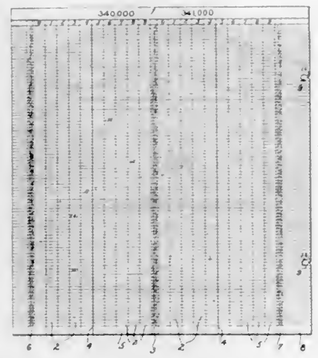
6. A jack comprising a cylinder having an air connection, a mounting ring fixed thereto and having a rib, a lifting member detachably connected to said ring and comprising a horizontally disposed lifting surface forked at its inner end to straddle said rib and having a depending bracing portion of inverted V-form, a hollow piston stem within said cylinder having a head closely fitting against the cylinder wall, a standard mounted within said stem and having screw threaded connection therewith permitting the standard to be lengthened or shortened upon rotation thereof relative to said stem, and a longitudinally disposed flange on said stem engaging said cylinder for preventing rotation of said stem within said cylinder.

1,463,655. CUSHION CONNECTION FOR VEHICLE SPRINGS. ALFRED F. MASURY and AUGUST H. LEIPERT, New York, N. Y., assignors to International Motor Company, New York, N. Y., a Corporation of Delaware. Filed June 1, 1922. Serial No. 565,069. 7 Claims. (Cl. 267—30.)



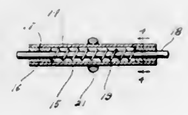
1. In combination with the spring and frame of a motor vehicle, a wholly non-metallic mechanical connection and support interposed between one end of the spring and the frame and comprising a block of non-metallic yielding material engaged with the end of the spring and means secured to the frame and holding the end relatively fixed, within limits, with respect to the frame, and a wholly non-metallic support interposed between the other end of the spring and the frame and comprising a block of non-metallic yielding material engaged with the end of the spring, and means to secure the block to the frame, said block affording free elongation of the spring.

1,463,656. INDEX FOR NUMBERS. OSBORNE LEE MOORE, Jefferson City, Mo. Filed Jan. 3, 1921. Serial No. 434,643. 4 Claims. (Cl. 283—36.)



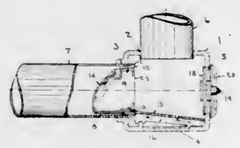
1. A record sheet ruled to provide a series of columns numbered progressively from zero, each column being subdivided into a predetermined number of entry spaces also numbered progressively from zero, each space representing an identifying number the terminal integer of which is designated by the number of the space and the next preceding integer designated by the number of the column, and a denominating number printed on the sheet and fixing the value of the column numbers.

1,463,657. BUCKLE. NELS T. NELSON, Attleboro, Mass., assignor to J. F. Sturdy's Sons Co., Attleboro Falls, Mass., a Corporation of Massachusetts. Filed Dec. 16, 1922. Serial No. 607,408. 6 Claims. (Cl. 24—265.)



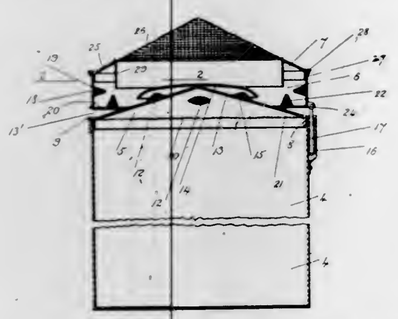
1. A buckle comprising a frame adapted to receive a spindle, a cross-bar mounted in said frame, a readily-removable center bearing spindle therein connecting said cross bar and frame, a strap-engaging tongue mounted to swing on said bar, and an independent resilient gripping member in said bar for frictionally retaining said spindle in said bar.

1,463,658. STEAM-GENERATOR FITTING. JOHN C. PARKER, Philadelphia, Pa. Filed July 29, 1922. Serial No. 578,307. 5 Claims. (Cl. 251—123.)



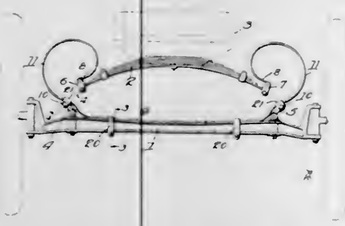
1. In combination with a junction box and a tube set therein, a valve having a body disposed in said tube and a ring segment engaged in said tube and on said body so as to fix the latter in place.

1,463,659. FLYTRAP. JOSEPH M. PAUL, Rice Lake, Wis. Filed Nov. 25, 1921. Serial No. 517,767. 3 Claims. (Cl. 43—120.)



1. A fly trap adapted to form the cover of a garbage can, said fly trap comprising an upper section, a conical lower section which forms the lid of the garbage can, and an intermediate entrance ring provided with entrance trap cones for the flies, said entrance ring having also an annular plate the inner edge of which rests on the conical lower section and forms with it an inlet passage for the flies, said upper and lower sections being also provided with screened openings which permit the scent of the garbage in the can to ascend through the entrance ring and upper section.

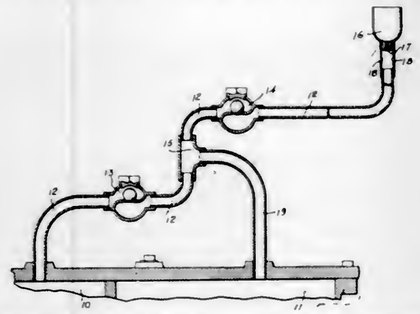
1,463,660. SHOCK ABSORBER FOR AUTOMOBILES. ANDREW D. PIGEON, Chicago, Ill. Filed Jan. 26, 1922. Serial No. 531,859. 2 Claims. (Cl. 267—45.)



1. In an automobile shock absorber and snubber, a supplemental spring introduced between the axle and the main spring of the vehicle, said supplemental spring arranged to overlie the axle and contiguous thereto between two longitudinally separated points of attachment, two upstanding brackets rigidly associated with the said axle, said brackets each having an eye, a bolt therethrough, said bolt arranged to secure a spring-holding clip; said clip being positioned in a plane above or vertically removed from the first mentioned attaching point; the supplemental spring extending upwardly from the said brackets and terminating at a point above both other said attachment points; said uppermost point providing means for supporting the main vehicle spring.

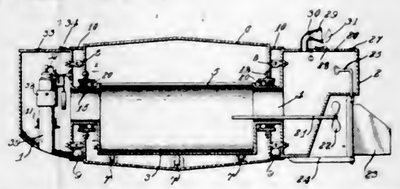
1,463,661. LUBRICATING DEVICE. EDWARD R. BALES, Centralia, Ill. Filed July 23, 1921. Serial No. 486,963. 1 Claim. (Cl. 184—55.)

A lubricating system for two-stage air compressor cylinders, comprising an oil cup, a branched pipe line connecting the oil cup with the cylinders, a check valve located between the oil cup and the low pressure cylinder near the latter, a second check valve located between the high pressure cylinder and the low pressure cylinder, the pipe line between said check valves being vertical so that gravity assists in feeding the oil toward the check



valve next the high pressure cylinder, and a T in vertical position connecting the pipe line between the valves, said T serving as a divider.

1,463,662. LIFE-SAVING BOAT. AUGUST BAUMGART, Lind, Wash. Filed Jan. 18, 1923. Serial No. 613,471. 3 Claims. (Cl. 9—4.)



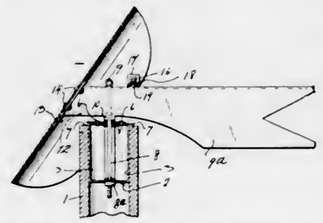
1. In a device of the class described, a boat having an opening; a door for the opening; weight-actuated means for moving the door to closed position; a latch cooperating with the weight-actuated means to maintain the door in open position; float-actuated mechanism coacting with the latch to release the latch from the weight-actuated means; and a pendulum mounted for swinging movement and coacting with the latch to disengage the latch from the weight-actuated means.

1,463,663. CONTAINER. ARTHUR H. BOSWORTH, Wichita, Kans. Filed Apr. 14, 1921. Serial No. 461,178. 1 Claim. (Cl. 129—200.)



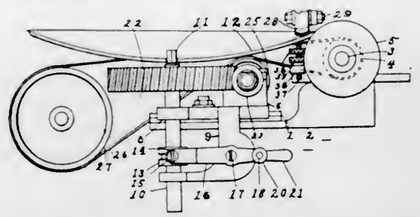
A container comprising a body portion in the form of an open-ended hollow cylinder made of a single piece of seamless metallic tubing, a bead formed integrally in the body portion adjacent each end, the ends of the tubing being bent or curved to partly close the ends of the tubing and a pair of stamped metallic caps adapted to fit over the ends of the tubing and close the same, said caps adapted to bear against said beads.

1,463,664. FLUE TOP. LEWIS H. BOWMAN, Fenn, Idaho. Filed Feb. 11, 1922. Serial No. 535,860. 1 Claim. (Cl. 98—3.)



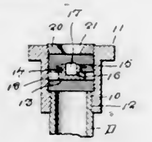
In a flue top, the combination with a flue, of a support mounted therein, said support comprising a pair of rectangular frames disposed one within the other and positioned at right angles to each other, the upper portion of one of said frames having laterally extending flanges adapted to engage the upper edge of the flue, said frames being arranged to frictionally engage the inner walls of the flue, a shaft extending through the end portions of said frames, a vane rotatably mounted on the shaft and comprising long and short arms, the short arm having lateral ears, a flue top of arcuate shape in cross-section fastened to the ears and disposed at an acute angle to the flue and overlying the upper end of the flue, a transverse brace secured to the vane and having its opposite ends secured to the opposite sides of the top, said top extending downwardly and laterally a substantial distance below the upper end of the flue, thereby inducing a draft in an upward direction over the upper end of the flue.

1,463,665. DISK-SHARPENING MACHINE. JOHN E. BRITTAIN, Guilford, Mo. Filed July 26, 1921. Serial No. 487,789. 5 Claims. (Cl. 76—85.)



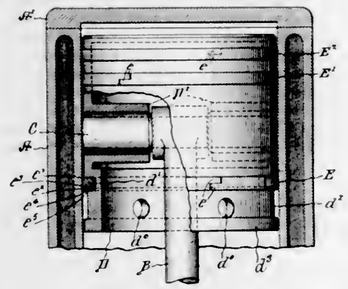
1. A base for supporting a grinding machine; a grinding wheel rotatably mounted on said base; a table mounted on said base for slidable movement from and toward said grinding wheel; securing means whereby said table is secured in its various positions; bearing brackets formed with and projecting from one of the edges of said table; a vertically disposed disk shaft rotatably mounted in the extremities of said brackets; worm gear driving means mounted on said table and shaft whereby said disk shaft is slowly rotated; a square portion formed on the upper end of said shaft for receiving and loosely holding a disk thereon with the edge of said disk in contact with the peripheral surface of said grinding wheel; a rotatably mounted roller for pressing the contacted portion of the edge of said disk upon said grinding wheel; a spring for actuating said roller to press upon said disk; and adjusting means whereby the tension of said spring is adjusted.

1,463,666. SPRINKLER HEAD. WILLIAM A. BUCKNER, Fresno, Calif. Filed May 28, 1921. Serial No. 473,437. 1 Claim. (Cl. 299—119.)



A device of the character described comprising a body adapted for connection with a water conducting pipe and formed with a threaded bore, a disc threaded within said bore and formed with a plurality of slots inclined with respect to the longitudinal axes of the body, said slots being arranged in pairs and the slots of one pair being of greater length than the slots of the other pair whereby to extend nearer to the center of the disc, a reduced extension on one side of the disc having a flange, and a plug threaded within the upper end of the bore and having a central hole, said disc being disposable with said reduced extension extending upwardly whereby to produce a circular spray, and said disc being disposable with said reduced extension extending downwardly and with the plug in close engagement with the opposite side of the disc whereby to cover the shorter slots.

1,463,667. METALLIC PISTON AND PISTON-PACKING RING. JAY EDGAR BUTLER, Baltimore, Md., assignor to Victor Piston Ring Co., Baltimore, Md., a Corporation of Maryland. Filed June 6, 1921, Serial No. 475,415. Renewed July 31, 1922. Serial No. 578,847. 2 Claims. (Cl. 74—109.)

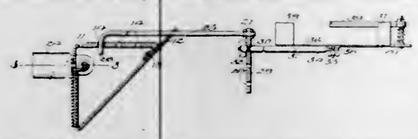


1. The combination with a cylinder, of a piston adapted to reciprocate therein, said piston being provided with an annular groove on the exterior thereof, rectangular in cross section, and a packing ring substantially rectangular in cross section mounted in said groove, said ring being provided with an annular cut in its rear face to form an annular scraping edge on its rear outer face, said cut having its outer wall in the form of a hollow truncated cone, and its inner wall cylindrical, the said inner wall being located radially exterior to the circumference of the piston immediately in rear thereof, whereby an outwardly projecting annular shoulder is provided, substantially as and for the purpose described.

1,463,668. BOOKHOLDER. MAURICE J. CAFFREY, New York, N. Y. Filed July 6, 1922. Serial No. 573,067. 1 Claim. (Cl. 45—82.)

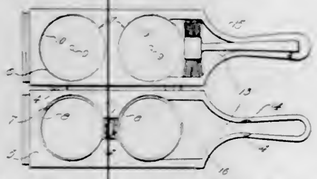
A book support comprising in combination, an attaching means in the form of a clamp, a substantially triangular bracket carried by said clamp, said bracket having a plurality of openings in one of its walls and a projecting wall provided with a plurality of serrations, an arm adapted to be received in one of said serrations, said arm

having a right-angular extension adapted to be received in one of the openings of the wall of the bracket, a vertically disposed arm dependent from the free end of said first-mentioned arm and provided with a plurality of openings,



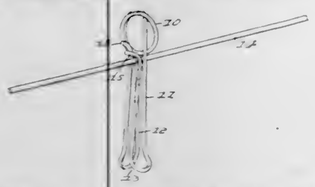
a rigid arm carried by said vertical arm and adapted to be secured in one of said openings, and a book-supporting member carried on the last-mentioned arm and adjustably secured thereto in a horizontal plane.

1,463,669. FOLDING SHOEBRUSH. GEORGE W. CAMPBELL, Fort Laramie, Wyo. Filed Aug. 25, 1920. Serial No. 405,799. 1 Claim. (Cl. 15—105.)



A blacking set comprising a two part casing, each part consisting of an elongated body having a complemental handle portion extending longitudinally from one end thereof, said two parts being hingedly connected together whereby the handle portions align and contact when the parts are arranged in closed position, one part having a recess in its face which registers with a corresponding recess in the face of the other part to provide a chamber to receive a can of polish therein, one of said parts having an instrument receiving recess therein communicating with its first named recess and extending longitudinally in its handle portion, and the handle portion of the other part being adapted to contact with an instrument received in the recess of said handle portion to prevent movement or vibration of the instrument when the two parts are closed.

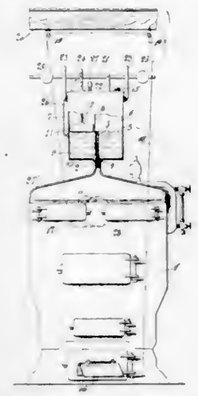
1,463,670. CLOTHESPIN. PAUL CAMPBELL, San Antonio, Tex. Filed May 16, 1922. Serial No. 561,395. 3 Claims. (Cl. 24—139.)



1. A metallic clothes pin consisting of a single blank of wire doubled upon itself and coiled at its center to form a spring eye and having its sides extended radially from the eye and looped to form opposing jaws which are spring impelled toward each other by the eye, with the terminal of one of the sides angularly deflected from the plane of the eye to form an entrance throat to the loops constituting said jaws.

1,463,671. AUTOMATIC DRAFT REGULATOR. VERNON BEAUFORD CARR and SAMUEL HERBERT BROSHAR, Lebanon, Ind. Filed Dec. 8, 1921. Serial No. 520,977. 1 Claim. (Cl. 236—31.)

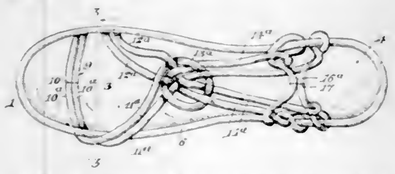
The combination with a furnace having a boiler, a draft door and a check door, of a casing having two compartments therein in communication with each other at their lower ends and having a fluid therein, a pipe connecting said boiler with one of said compartments, a float in the other compartment, and means operatively connecting said draft and check doors to said float, said means comprising a bifurcated rod supported on said float, said rod having a plurality of spaced apart holes extending transversely



therethrough, a lever pivotally mounted intermediate its length on said casing and having an opening therethrough, a pin arranged to be received in the opening of said lever and in one of the openings in said rod, and cables connected at one end with said lever and with said check and draft doors respectively

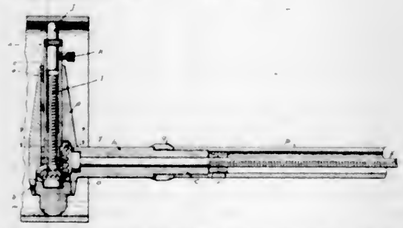
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1,463,672. SANDAL. PHYLLIS CARRINGTON, New York, N. Y. Filed Feb. 16, 1922. Serial No. 536,939. 5 Claims. (Cl. 36—1.)



1. A sandal comprising a sole member, a foot-engaging padded surface, a marginal attaching strand fast to the sole, and pairs of strands located across the toe of the sole, then continued rearwardly across the instep and there interwoven, and from thence continued as two pairs of strands to the sides of the insole and forming a heel loop extending about the heel to retain the sandal from displacement.

1,463,673. MICROMETER GAUGE. CHARLES A. CLASE, Portland, Oreg. Filed Sept. 20, 1921. Serial No. 501,969. 6 Claims. (Cl. 33—164.)



5. In a micrometer gauge the combination of, a handle provided with a measuring head perpendicular to said handle and rigidly secured thereto, a micrometer screw

carried by said handle, a second micrometer screw extending longitudinally of said head, means for transmitting the rotary motion of said first mentioned screw to said second mentioned screw, a sleeve threaded on the latter screw, such sleeve carrying a contact point, and means for holding the sleeve against rotating.

1,463,674. COMPOSITION FOR IMPREGNATING WOOD AND PROCESS OF PREPARING IT. GEORGE COESTER, Brunswick, Ga., assignor to Georgia Vita Ligno Co., Brunswick, Ga. Filed Nov. 26, 1919. Serial No. 340,882. 5 Claims. (Cl. 134—78.6.)

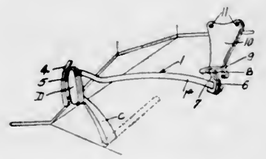
5. A process for preparing a fluid mixture for the purpose of impregnating wood consisting in mixing coal oil, bone oil and crude carbolic acid together, boiling the mixture, and condensing the resulting vapors, said fluid when used as a primary coat leaving a heavy residuum in the condensing vat for use as a finishing coat over the dried primary mixture, said ingredients being combined in substantially the proportions stated.

1,463,675. CRUTCH SEAT. HAMILTON DUDLEY COLEMAN, near Biloxi, Miss. Filed Sept. 22, 1922. Serial No. 589,842. 4 Claims. (Cl. 135—49.)



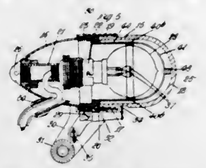
1. A crutch, having spaced bands carried thereby; means whereby said bands are held against creeping on the crutch, a seat pivoted to the upper band, a brace pivoted to the lower band, and means for interlocking the seat and brace, substantially as described.

1,463,676. PEDAL LOCK. GEORGE E. CUSTER, Stoyestown, Pa., assignor to Custer Manufacturing Company, Stoyestown, Pa., a Corporation of Pennsylvania. Filed Feb. 21, 1921. Serial No. 446,631. 8 Claims. (Cl. 74—81.)



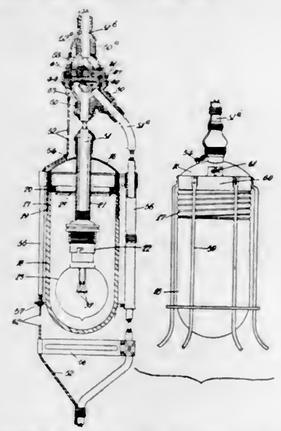
4. In combination with a clutch lever, a sleeve suspended for swinging movement toward and away from the lever, and a locking bar slidable through the sleeve and pivoted to the lever, the movement of the sleeve in one direction being limited.

1,463,677. AIRCRAFT LAMP. ALBERT LEWIS DAVIS, Kingsway, London, England, assignor to Vickers Limited, Westminster, London, England. Filed Aug. 8, 1922. Serial No. 580,480. 6 Claims. (Cl. 240—1.)



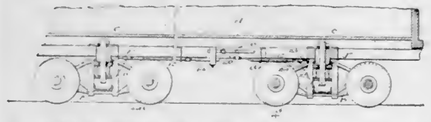
1. In a navigation light for aircraft, comprising a lamp, a transparent dome within which the lamp is enclosed, a lamp casing provided with a socket for the dome, a tubular mask carried by the lamp casing and a reduced portion thereof closely encircling the lamp, said portion being spaced from the socket, and water-tight means interposed between the dome and mask when the dome is in position in the socket.

1,463,678. AIRCRAFT LAMP. ALBERT LEWIS DAVIS, Kingsway, London, England, assignor to Vickers Limited, Westminster, London, England. Original application filed Aug. 8, 1922, Serial No. 580,480. Divided and this application filed May 26, 1923. Serial No. 641,758. 4 Claims. (Cl. 240—1.)



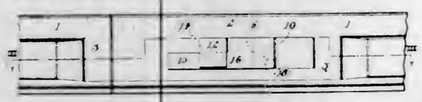
1. In a navigation light for aircraft comprising lights arranged one above the other, the upper light having a body piece carrying a dome and lamp, guide tubes carried by said body piece, a gauge ring secured to the guide tubes adjacent the lower ends thereof, and cables passing through said guide tubes for suspending the lower light.

1,463,679. AUTOMATIC TRAIN STOP. EMILIO DE LEON, Remedios, Cuba. Filed July 3, 1922. Serial No. 572,416. 6 Claims. (Cl. 246—170.)



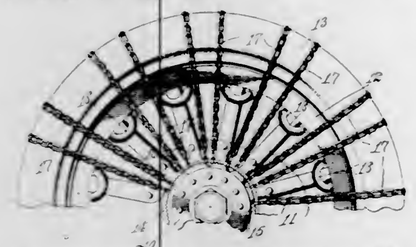
1. In an automatic train stop, an element rigid with a truck of the train to partake of turning and tilting movements of the truck, a train pipe valve, and a longitudinally movable valve opening rod, the said element on the truck being turnable with the truck independently of the said rod and arranged to cause a longitudinal movement of the rod upon a tilting of the truck.

1,463,680. RAIL SCARF JOINT. JOZSEF DOKTOR, St. Clairsville, Ohio. Filed Mar. 15, 1923. Serial No. 625,284. 4 Claims. (Cl. 238—232.)



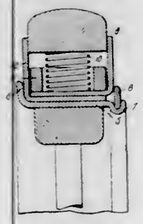
1. In a rail joint, meeting rail ends, each carrying a scarf extension having a pair of transverse openings through the web portions thereof, a shoulder and offset block carried by the inner face of the scarf extension adjacent the forward end thereof to be received in a co-operating opening of the other scarf extension, and means for locking the interlocked scarf extensions.

1,463,681. ANTISKID CHAIN. BERNARD J. DUEHR, Big Island, Va. Filed Feb. 13, 1923. Serial No. 618,773. 3 Claims. (Cl. 152—14.)



1. An anti-skid device including a plurality of flexible elements arranged to be engaged with the tire and spokes of a wheel and provided with terminal attaching means, and a hub encircling ring with which the said attaching means are detachably engaged.

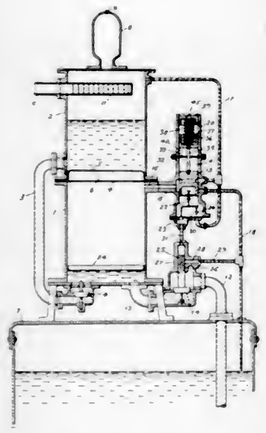
1,463,682. RESILIENT WHEEL. MICHAEL JOHN DUFFY, Brooklyn, N. Y. Filed June 10, 1920. Serial No. 387,920. 1 Claim. (Cl. 152—8.)



A resilient wheel comprising in combination with a wheel body and its felly band, a plurality of members substantially L-shaped in cross section adapted to interengage each other to form a channel, a plurality of blocks mounted in the base of said channel, said blocks each having a centrally disposed open portion, a resilient member mounted in the open portion of each of said blocks, a resilient tread element mounted on said resilient members, and means carried by the felly band for maintaining said substantially L-shaped members in the channel-forming position.

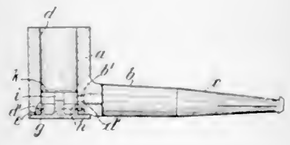
1,463,683. LIQUID-FEEDING DEVICE. LEONID A. DUNAJEFF, New York, N. Y. Filed July 18, 1921. Serial No. 485,659. Renewed June 19, 1923. 19 Claims. (Cl. 137—101.)

1. In a liquid feeding device, the combination with a tank, a pipe connecting said tank with a source of a liquid, an intake valve on said pipe, a pipe connecting the lower portion of said tank with a receptacle for said liquid, an exhaust valve on said pipe, an exhaust pipe for the elastic fluid inside of said tank, an intake pipe for



the compressed elastic fluid, and a means to control the connection of said pipes for said elastic fluid, said means being controlled by said exhaust valve.

1,463,684. TOBACCO PIPE. ALFRED DUNHILL, London, England. Filed Aug. 25, 1921. Serial No. 495,250. 1 Claim. (Cl. 131—12.)

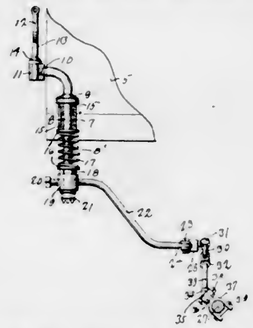


A tobacco pipe comprising a bowl portion having a bore extending completely therethrough, a stem joined with said bowl having a smoke passage communicating with said bowl, a ring fixed in the lower end of said bore having slots in the inner periphery of said ring with cam surfaces on the upper edge of said ring, a removable fitting adapted to fit into said ring, said fitting comprising a base plate having an outer cylindrical wall forming a snug fit in said ring, pins on said wall engaging said slots and cam surfaces of the ring, a central shank extending up from the base plate, an apertured plate carried on said shank, the apertured plate being located in a plane above the smoke passage in the stem, substantially as described.

1,463,685. HEADLIGHT. CHARLES H. FISHER, Carrollton, Ohio. Filed July 27, 1922. Serial No. 577,960. 1 Claim. (Cl. 240—62.)

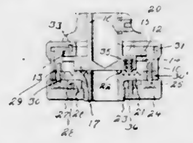
In a dirigible headlight, a bracket having a vertically disposed collar thereon, a post mounted in said collar, an annular stop flange formed on the post above the collar, oppositely disposed flanged bearing sleeves disposed in the collar against said post, the flanges of the bearing sleeves engaging the upper and lower ends of the

collar, washers disposed on the post below the collar, an expansion spring coiled about the post between the



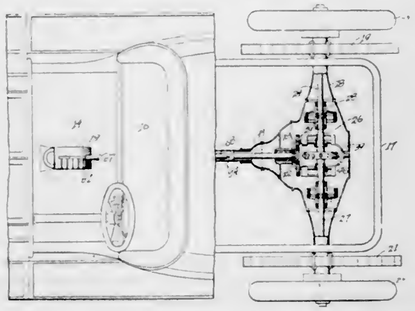
washers, a crank arm connected to the post at the lower end thereof, and an adjustable nut threaded upon said post and engaging the lowermost washer.

1,463,686. BORING HEAD. JOHN H. FREY and JOHN N. KAISER, Erie, Pa. Filed Aug. 29, 1921. Serial No. 496,776. 2 Claims. (Cl. 279—6.)



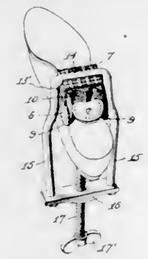
1. An adjustable tool holder comprising a cylindrical casing, a ring arranged within said casing for rotation and having an elongated slot, a tool holder passed through said slot, means for associating the tool holder with the ring for rotation therewith, a plate arranged within the casing and having a spiral groove, a spring pressed dog carried by the tool holder and movable within said groove, whereby said tool holder is moved within said slot and across the ring in either direction incident to the rotation of the ring, and means for locking said parts fixed relatively in a set position.

1,463,687. VEHICLE DRIVING MECHANISM. LOU M. GARDINER, deceased, by May Durling Gardiner, administratrix, Oakland, Calif. Filed June 16, 1922. Serial No. 568,892. 7 Claims. (Cl. 74—36.)



1. In a device of the character described, the combination with an automobile chassis, of an axle mounted therebelow, a master gear mounted on said axle, and a series of worms arranged in circular series about said master gear and adapted to be brought into successive engagement with said master gear.

1,463,688. PRESSER PAD. HIRAM GORDON, Portsmouth, Ohio, assignor to Selby Shoe Company, Portsmouth, Ohio, a Corporation of Ohio. Filed Apr. 6, 1922. Serial No. 550,122. 5 Claims. (Cl. 12—125.)



1. A device for the purpose described, comprising a presser pad formed of a block of soft elastic material and provided with a concave groove around its periphery, said block being of such dimensions as to simultaneously fit and cover the exposed face of the shank of a shoe and the breast of the heel thereof, and means for clamping the device on a shoe.

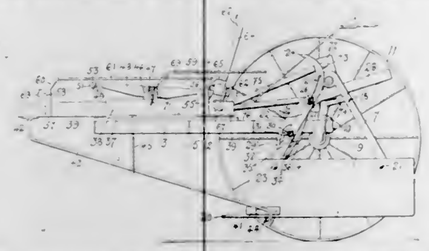
1,463,689. PHOTO ENLARGING MACHINE. ROBERT D. GRAY, New York, N. Y. Filed Mar. 5, 1921. Serial No. 449,875. 10 Claims. (Cl. 88—24.)

1. In a photo-enlarging machine, a stand provided with a vertically slidable support carrying an optical projector having its axis disposed approximately vertically, a movable printing frame on the said stand and having clamping means for clamping the printing paper in position on the printing frame, and means automatically actuating the said clamping means on moving the printing frame into operative horizontal position relative to the said optical projector and releasing the said clamping means on moving the frame into an angular position relative to the axis of the said optical projector.

1,463,690. AUTOMATIC WHEELED SCRAPER. JOHN ROBERT GRAYSON, Kakabeka Falls, Ontario, Canada. Filed Apr. 6, 1922. Serial No. 550,175. 5 Claims. (Cl. 37—129.)

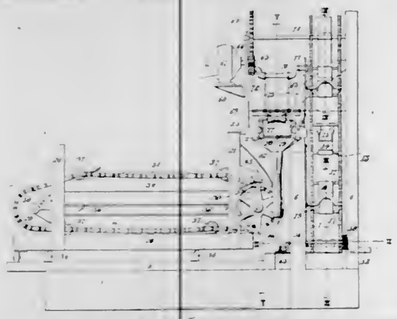
1. In a wheeled scraper, a supporting frame, an upwardly arching axle mounted on said frame and having carrier wheels, a draft tongue slidable relative to said frame, coupling means between said draft tongue and the arching portion of said axle, means for holding said

draft tongue in its forward and rearward positions, an excavating bucket, means for suspending said bucket from said axle portion, whereby when the draft tongue is in



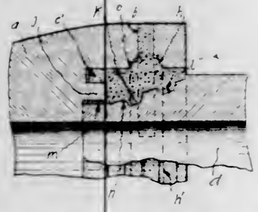
its rearward position the bucket will be disposed in excavating position and when the draft tongue is in its forward position the bucket will be disposed in load transporting position.

1,463,691. SAND-HANDLING APPARATUS. JOSEPH GRUNT, Cleveland, Ohio. Filed Jan. 6, 1922. Serial No. 527,491. 7 Claims. (Cl. 22—35.)



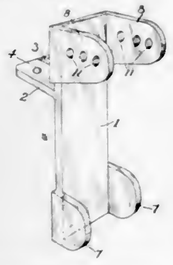
1. In a sand handling machine of the class described, a mold filling spout, means to deliver predetermined quantities of sand to said spout intermittently, sand sifting mechanism beneath said delivering means, means to elevate the sifted sand to said delivering means, and scooping mechanism to deliver unsifted sand to the sifting mechanism.

1,463,692. INVISIBLE PIPE JOINT. GUSTAV HAIL, Portland, Oreg. Filed Dec. 2, 1921. Serial No. 519,410. 1 Claim. (Cl. 285—118.)



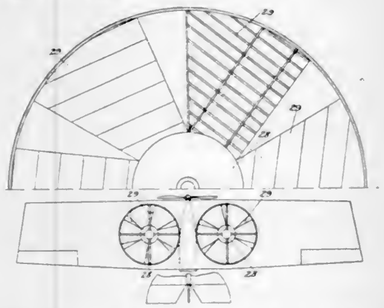
In a conduit made in sections, the end of one section being tapered and then extended coaxially with the body portion of said section, the tapered portion being formed with annular grooves, the end of the opposite section being enlarged and provided with a receiving recess greater in diameter than the maximum diameter of the adjacent section and adapted to receive the tapered portion thereof, the end wall of the recess forming an abutment for the end of the adjacent tapered section and having an annular flange which overlies and is spaced from the extended portion of said adjacent section, the enlarged portion of the section having a filling opening, and sealing material in the cavity formed between the tapered end and the enlarged end of the two sections to seal and hold the two sections together.

1,463,693. BRAKE IRON. SAMUEL L. HALL, Cushing, Okla. Filed Aug. 14, 1922. Serial No. 581,708. 3 Claims. (Cl. 188—221.)



3. The combination with a brake beam, an iron, a bracket on the iron, a pair of bolts securing the bracket on the beam, a pair of parallel tongues at the upper end of the iron, a pair of parallel tongues at the lower end of the iron, a brake shoe located against the iron and between the tongues and having an opening therein, one pair of said tongues having a series of openings therein, and a securing device projecting through openings in the said tongues and through the opening in the shoe whereby the position of the shoe may be adjusted relative to the iron.

1,463,694. AEROPLANE. GEORGES HAMEL, Les Aydes, France. Filed Apr. 4, 1922. Serial No. 549,576. 2 Claims. (Cl. 244—15.)

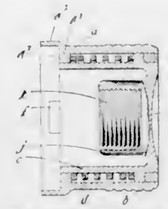


1. An aeroplane having fixed planes, a plurality of elevating devices operative in the body of such planes, with the line of thrust thereof arranged in a plane passing vertically through the center of gravity of the aeroplane, pressure shutters below said devices, suction shutters above said devices, each respective set of shutters forming a continuation of the adjacent surface of the plane when such shutters are closed, and means for controlling the degree of opening of said shutters at will.

1,463,695. DETACHABLE WHEEL AND THE LIKE. JOHN HANMAN, London, England, and GEORGE HAZELTON, Portadown, Ireland. Filed May 24, 1920. Serial No. 383,891. 2 Claims. (Cl. 301—9.)

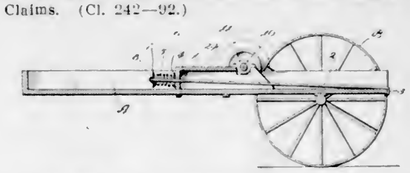
1. A locking construction for detachable wheels including an outer ring-like shell having an abutment shoulder at its inner end, lugs carried by the shoulder

for engaging with recesses on the wheel hub, and an inner member concealed within the shell and having a sliding non-rotative engagement therewith, a spring arranged between the inner member and the ring-like shell



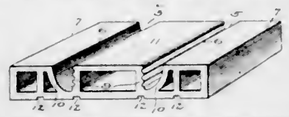
for maintaining the same in proper relative position and the said inner member being provided with a closed end wall carrying at its inner side an inwardly projecting cup-like member provided with mutilated threads on the outer face thereof.

1,463,696. WIRE REEL. HENRY J. HANSON, Thor, Iowa. Filed Sept. 23, 1922. Serial No. 590,149. 2 Claims. (Cl. 242—92.)



1. In a wire reel, the combination with a wagon including a bed and wheels, of a carrying box, rods extending through said carrying box and engaging the wagon bed, springs coiled about portions of said rods for establishing yieldable connection between the carrying body and wagon bed, means for tensioning said springs, a wire receiving reel carried by said carrying body, and means for rotating said reel by rotation of the wagon wheels.

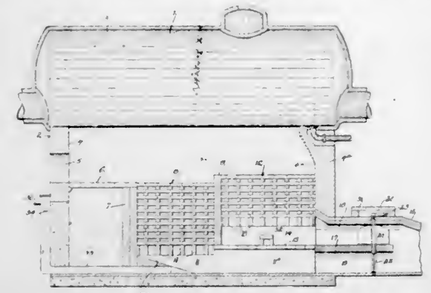
1,463,697. CHANNEL BRICK. ARTHUR HARDONCOURT, New York, N. Y. Filed Dec. 8, 1922. Serial No. 605,663. 4 Claims. (Cl. 72—41.)



1. A channel brick having two substantially parallel channels which are relatively deep and leave only webs between the bottom of the channels and the bottom of the channel brick, corrugations on the channel brick at the inner sides of the channels, the channel brick at the outer sides of the channel being curved downwardly and inwardly to the inner sides of the channels so that the channel brick at the channels will be strong and the channels at their upper portions will be relatively narrow while sufficient to permit a mason to introduce his fingers while partially closed into one of the channels without striking his knuckles against the outer walls of the channels, the channel brick having load-bearing portions between and at the outer sides of the channels.

1,463,698. OIL STILL. PHILIP HEFFLER, Pittsburgh, Pa., assignor of one-half to Harry C. Simmons, Crafton, Pa. Filed Jan. 28, 1922. Serial No. 532,352. 5 Claims. (Cl. 110—56.)

1. In an oil still, a casing provided with an opening for entrance of the products of combustion from a furnace, a container supported in the casing and above said opening, checkers within the casing beneath the container, and means for causing the products of com-



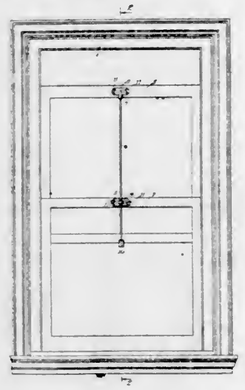
bustion to flow through either of the checkers, selectively, and for causing air to flow upwardly through the other checker.

1,463,699. TOWING TONGUE. WILLIAM D. HENRY, Greenville, Ill. Filed Feb. 25, 1922. Serial No. 539,175. 3 Claims. (Cl. 280—33.55.)



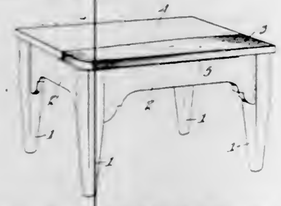
1. In a towing tongue, a pole, a clevis adjustably connected to one end of said pole, axle engaging clamping means carried by the opposite end of said pole, a sheave pulley adjustably connected to said pole, and a flexible member extending about said pulley adapted for connection with a vehicle to be towed.

1,463,700. WINDOW-OPERATING DEVICE. AUGUST HEYMAN, New York, N. Y. Filed Mar. 14, 1922. Serial No. 543,615. 2 Claims. (Cl. 268—4.)



1. The combination with a window frame and a pair of vertically slidable sashes in the frame, of vertically aligned brackets fixed to the upper ends of the sashes, an arm fixed to the upper bracket, a depending threaded socket member integral with the arm, an operating rod having its upper end screwed into the socket, a handle at the lower end of the rod, and means integral with the other bracket guiding the movement of the operating rod.

1,463,701. KITCHEN TABLE. ABNER T. HOLTON, High Point, N. C. Filed Oct. 4, 1920. Serial No. 414,547. 7 Claims. (Cl. 68—10.)



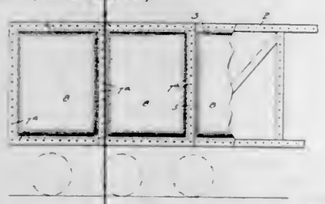
1. A table having legs and a top, the latter comprising a fixed portion and a movable leaf, a stationary rod extending transversely of the leaf and pivotal and sliding connections between the rod and the leaf whereby the leaf may have sliding and swinging movement relative to the rod, substantially as set forth.

1,463,702. COMBINED CURTAIN SUPPORT AND SHADE HOLDER. JOSEPH W. JOHNSON and JOHN W. NOLDE, Newburgh, N. Y. Filed Nov. 1, 1921. Serial No. 511,991. 1 Claim. (Cl. 156—24.)



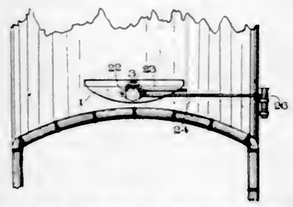
A bracket comprising a frame engaging section consisting of an L-shaped member forming an inner and an outer arm, a rearwardly extending supporting member having an apertured bow-shaped portion intermediate its ends and an apertured inner terminal, means for slidably connecting said supporting member to said inner arm, said outer arm having its outer terminal portion folded upon itself, a vertically disposed member secured between said folded outer terminal portion and having its upper terminal portion bent upon itself to provide a support for the reception of one end of a curtain support.

1,463,703. COMPOSITE CAR FRAMING. BYERS W. KADEL, Baltimore, Md., assignor to The T. H. Symington Company, New York, N. Y., a Corporation of Delaware. Filed Aug. 26, 1921. Serial No. 495,636. 7 Claims. (Cl. 105—405.)



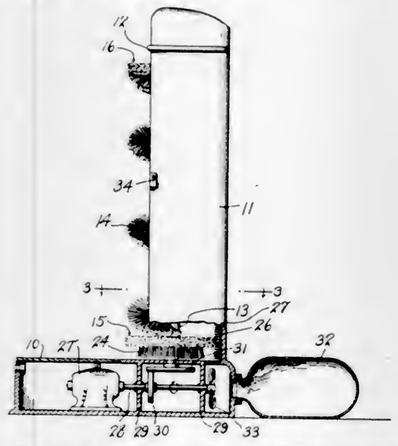
1. In a railway car, the combination with a metallic load carrying frame, of wall members, said wall members including a plurality of plate like elements each of which comprises a single metallic frame section and a composite filler, said composite filler terminating short of the surrounding marginal edges of said metallic frame section.

1,463,704. WINDSHIELD. LESLIE HARCOURT KENT, Stanmore, and SAMUEL AUGUSTINE DE NORMANVILLE, London, England. Filed Apr. 16, 1920. Serial No. 374,443. 4 Claims. (Cl. 20—40.5.)



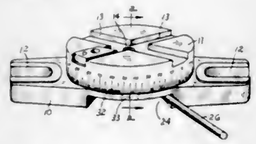
1. A clear view windshield for an aeroplane or other fast moving vehicle, including a transparent disc and a wind mill operatively connected therewith for rotating the same, said disc and said wind mill being mounted for rotation about a common axis.

1,463,705. BRUSHING MACHINE. HENRY M. KEITH, West Frankfort, Ill. Filed Mar. 27, 1922. Serial No. 547,052. 7 Claims. (Cl. 15—7.)



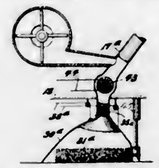
2. A machine of the character described comprising a base, a casing rising therefrom and open at one side, a rotatable shaft operating in said casing, a flexible brush wound spirally about said shaft, and means for rotating said shaft for the purpose specified.

1,463,706. SWIVEL. W LE ROY KETCHUM, Bridgeport, Conn. Filed Jan. 20, 1921. Serial No. 438,806. 5 Claims. (Cl. 90—59.)



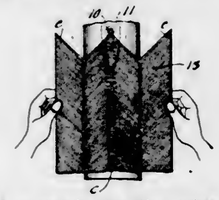
1. A device of the character described, comprising a base having a beveled, circumferential face and provided with an opening arranged concentrically with respect to said beveled, circumferential face, a holder having a correspondingly beveled, circumferential face and provided with a threaded stud adapted to rotatably and slidably fit said opening, a hand wheel located in the base and adapted to engage the thread of said stud, and upper and lower bearing surfaces for said hand wheel.

1,463,707. STREET-CLEANING MACHINE. WESLEY N. KOGER, Philadelphia, Pa. Filed May 4, 1920. Serial No. 378,887. 1 Claim. (Cl. 15—11.)



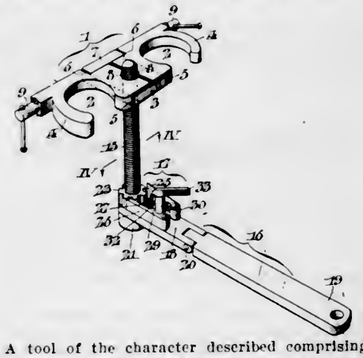
A street cleaning machine comprising a vehicle, a conduit passing through the rear end of the vehicle and being obliquely disposed with its upper end rearwardly inclined, an extension secured to the lower end of the conduit, a blower mounted for operation on the chassis of the vehicle, a discharge pipe establishing communication between the blower and the conduit through the medium of the extension, a hood flexibly secured to the extension, a flexible shaft mounted for rotation in said hood, a pair of converging brushes rotated from the flexible shaft, means for raising or lowering the flexible shaft and the hood simultaneously and a rotary fan carried in the lower end of the conduit as and for the purpose specified.

1,463,708. METHOD FOR MAKING REENFORCED INNER TUBES FOR TIRES., JOSEPH A. MCLANE, Morgantown, W. Va., assignor to The Armorcord Rubber Company, Morgantown, W. Va., a Corporation of West Virginia. Filed June 12, 1920. Serial No. 388,491. 14 Claims. (Cl. 154—14.)



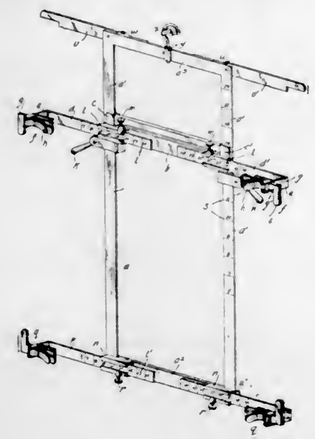
1. A method of fabricating tire tubes, including applying about a mandrel a sheet of rubber having substantially parallel cords embedded therein, by arranging said sheet to have the cords therein extend substantially transversely from one side of the tread zone, about the rim portion and terminating at the opposite side of the tread zone, and in applying a layer of material about the mandrel to complete the tube.

1,463,709. VALVE-SPRING LIFTER. FREDERICK T. MARTIN, Merion, Pa., assignor of one-half to John J. Gallagher, Merion, Pa. Filed Jan. 5, 1922. Serial No. 527,073. 8 Claims. (Cl. 29—86.3.)



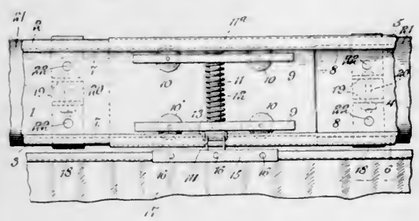
1. A tool of the character described comprising relatively movable means for adaptation to different valve spacings, and means for forcibly and simultaneously moving said means subsequent to adaptation, for the purpose set forth.

1,463,710. PHOTOGRAPHIC FILM AND PLATE HOLDER. RALPH CHARLES MATSON, Portland, Oreg. Filed Apr. 25, 1921. Serial No. 464,149. 5 Claims. (Cl. 95—100.)



1. A photo plate and film holder comprising a rectangular frame, an intermediate adjustable cross-bar movably supported on the two sides of the frame, extension arms carried by one end of said intermediate adjustable cross-bar and the corresponding end of the cross-bar constituting one end of the frame, and holding clamps on the extremities of said extension arms.

1,463,711. ADJUSTABLE CURTAIN CARRIER. HAROLD N. MAY, New Orleans, La. Filed July 24, 1922. Serial No. 577,113. 2 Claims. (Cl. 296—47.)

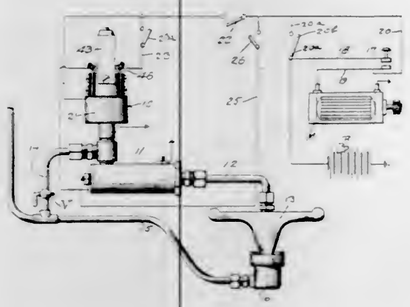


1. In a device for the purpose set forth, the combination of telescoping sections having rails formed therein, a carriage adapted to rest between the rails and comprising upper and lower bars, rollers secured to the bars, a post extending from one to the other of the bars, a compression spring surrounding the post and bearing at its ends against the bars to force the rollers against the rails, and a clip permanently secured to the lower bar and adapted to receive a storm curtain.

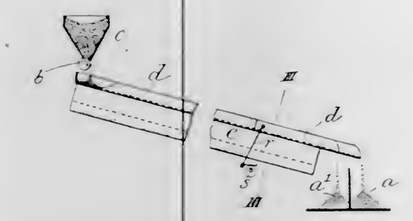
1,463,712. PRIMING DEVICE. ALBERT R. MEAD, Newark, N. J. Filed May 28, 1921. Serial No. 473,454. 3 Claims. (Cl. 123—180.)

1. In a priming device, a priming charge heater, a casing having an inlet and an outlet, the latter communicating with the priming charge heater, a valve nor-

mally preventing communication between the inlet and outlet, means for shifting the valve to permit such communication, means operated by the shifting of the valve for admitting air to the casing and for energizing the priming charge heater.



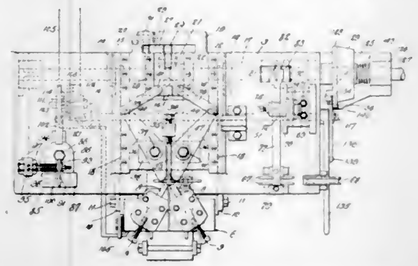
1,463,713. ELECTROMAGNETIC SEPARATION OR CONCENTRATION OF MINERALS. WILLIAM MORRIS MORDEY, Westminster, England. Filed Apr. 2, 1920. Serial No. 370,865. 13 Claims. (Cl. 83—71.)



1. The herein described method of effecting the electro-magnetic separation or concentration of finely divided mineral matter, said method consisting in causing such matter to pass longitudinally over a relatively long and narrow support arranged adjacent to the longitudinal and parallel poles of an alternating current multiphase electro-magnet and subjecting the stream to the action of the multiphase moving magnetic field set up by the said electro-magnet transversely to the said stream and support, the said support being of such length that material that is responsive to the action of such a magnetic field will become separated from the material that is not responsive to such field, and be gradually swept in a lateral direction by such moving magnetic field to one longitudinal side portion of the said support whilst the inert matter will be caused gradually to move in the opposite lateral direction to another longitudinal portion of the said support, the responsive matter and the inert matter being divided into separate streams that are separately discharged from said support.

1,463,714. CHAIN-WELDING MACHINE. JACOB LUDWIG MUELLER, York, Pa. Filed Apr. 22, 1921. Serial No. 463,439. 29 Claims. (Cl. 219—5.)

12. In a chain welding machine, an electrical heating mechanism; a circuit for said mechanism; a driving element; a driven element; means for coupling said elements together; means under the control of an operator for opening the circuit; a lost motion connection between the last specified means and the coupling means, whereby the coupling means will become effective subsequent to the opening of the circuit; and a chain pressing device



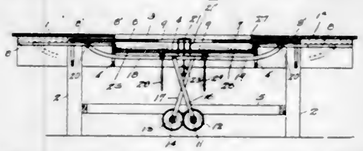
connected operatively with the driven element and operating whilst the chain is in the field of the heating mechanism.

1,463,715. BASE FOR POSTS, FLAGSTAFFS, AND THE LIKE. JÖNS MÖHLOW, Malmo, Sweden. Filed May 10, 1922. Serial No. 559,885. 14 Claims. (Cl. 72—84.)



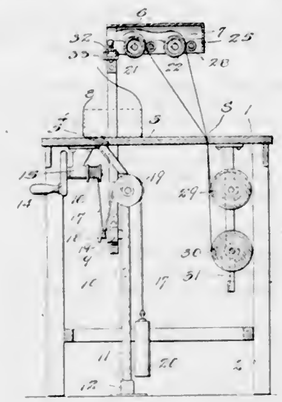
2. A base for posts, comprising a sleeve formed with a tapered interior at the upper end for receiving the tapered end of a post and also formed with channels communicating with the atmosphere below the end of the post extending along the tapered portion and opening through the upper end thereof.

1,463,716. PACKAGE-WRAPPING MACHINE. WILLIAM B. MUNN, Memphis, Tenn., assignor of one-half to Merrill Jacobs, Memphis, Tenn. Filed Jan. 3, 1922. Serial No. 526,651. 9 Claims. (Cl. 93—2.)



1. The combination with a table having a depressed shelf to receive a paper sheet, of a pair of longitudinally reciprocable slide leaves adapted to be positioned above said shelf to receive and temporarily support a load, and means for supporting said load as the leaves are withdrawn from supporting position.

1,463,717. CONVERTIBLE WORKTABLE. WILLIAM B. MUNN, Memphis, Tenn., assignor of one-half to Merrill Jacobs, Memphis, Tenn. Filed May 16, 1922. Serial No. 561,326. 3 Claims. (Cl. 211—11.)



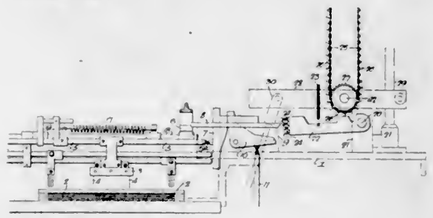
3. The combination with a table top having an opening and a removable panel, a liftable panel and operating means therefor, of a cutter supported on the liftable panel, a paper roll supported below said table top, the paper of said roll passing through a slot between the table and the removable panel, and means located within the liftable panel for retaining the free end of said paper roll.

1,463,718. STAMP PAD. WHITNEY K. MUNSON, Los Angeles, Calif., assignor to Mun-Kee Products Corporation, Los Angeles, Calif., a Corporation of California. Filed Dec. 3, 1921. Serial No. 519,649. 5 Claims. (Cl. 91—54.5.)



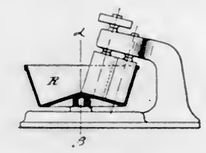
3. A stamp pad comprising a container, a flange formed on the container and arranged to provide a pad receiving pocket, a retention member removably embracing the flange and having a portion thereof projecting from the inner edge of the flange adapted to retain the pad within the pocket, and a cover hingedly supported on the member.

1,463,719. LACE ATTACHMENT FOR KNITTING MACHINES. ERNST OSCAR NEBEL, Philadelphia, Pa. Filed Nov. 16, 1921. Serial No. 515,560. 12 Claims. (Cl. 66—28.)



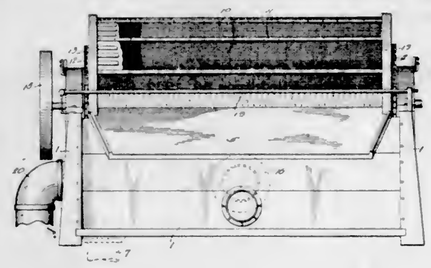
1. In a knitting machine, the combination with a movable lace finger having needles adapted for cooperation with the knitting needles to form a lace design in the knitted fabric, means for reciprocating said finger toward and from the knitting needles, and mechanism for reciprocating said finger longitudinally of the row of knitting needles comprising an adjustable member having a plurality of means individually operative in different adjusted positions of the member for positioning the said finger longitudinally of the row of knitting needles, mechanism for reciprocating said member, and variable means adapted for reciprocation with respect to said member for determining the adjusted position of the latter.

1,463,720. UNIVERSAL CUTTING AND KNEADING MACHINE. LUIGI NEGRO, Bucharest, Rumania. Filed Jan. 29, 1921. Serial No. 441,093. Renewed June 16, 1923. 2 Claims. (Cl. 259—84.)



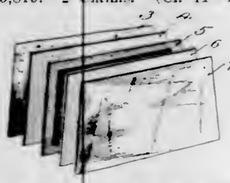
1. A cutting and kneading machine, comprising a revolubly mounted receptacle, and two kneading and cutting cylinders mounted in the receptacle to rotate independently thereof and adjacent the inner peripheral face of the receptacle, the cylinders each being provided with a plurality of peripheral annular cutting members, the cutting members being of equal thickness and spaced apart and the cutting members of one cylinder extending between the cutting members of the other cylinder.

1,463,721. PULP DEHYDRATOR. RAY ADNA NORTH, Green Bay, Wis., assignor to E. Payson Smith, Green Bay, Wis. Filed July 1, 1921. Serial No. 481,821. 7 Claims. (Cl. 100—47.)



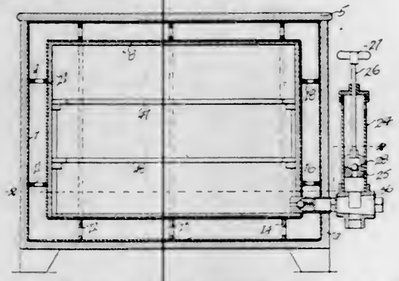
1. In a pulp de-hydrator the combination with a casing, and an imperforate arcuate pressure plate therein, of a drum having a perforated periphery and revolubly mounted in said casing with its periphery eccentric to said plate, whereby a comparatively wide mouth is formed at one side of the de-hydrator between the drum and plate and a comparatively narrow pulp exit is formed at the other side of the de-hydrator, an inlet pipe in communication with the said mouth, a spray pipe within the drum adapted to direct a spray outwardly through the perforated periphery of the drum above the said mouth, and a spray pipe outside of the drum adapted to direct a spray through the perforated periphery into the drum above the outlet between the drum and plate, and an apron to receive the de-hydrated pulp as it falls from the periphery of the drum of said outlet and direct it to a suitable receptacle.

1,463,722. PANEL FOR LAMP SHADES. HUGH J. O'BOYLE, San Antonio, Tex. Filed July 18, 1922. Serial No. 575,819. 2 Claims. (Cl. 41—21.)



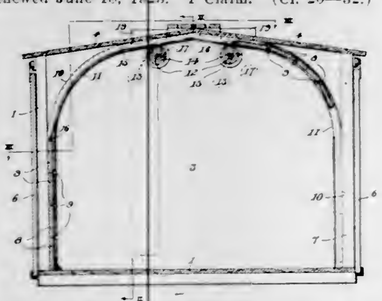
1. A display panel for lamp shades including a sheet of semi-transparent material containing the matter to be displayed, a sheet of transparent material forming a mat upon which said semi-transparent material is placed, a sheet of flexible material placed over said mat sheet for decorative purposes, and a frame for interchangeably supporting said sheets.

1,463,723. STORING AND PRESERVING CABINET. KISABURO OTSUKI, Fulton, Calif. Filed Apr. 7, 1922. Serial No. 550,527. 3 Claims. (Cl. 217—7.)



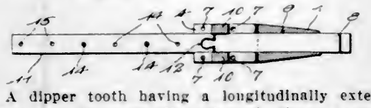
1. In a receptacle of the character described, the combination with an outer receptacle, of an inner receptacle, a door adapted to close said inner receptacle, means for spacing said receptacles one from the other, and means for producing a vacuum between said receptacles and within the interior of said inner receptacle.

1,463,724. GRAIN-CAR DOOR. ANTON POKORNY, Wyndmere, N. Dak. Filed June 30, 1922, Serial No. 571,899. Renewed June 18, 1923. 1 Claim. (Cl. 20—32.)



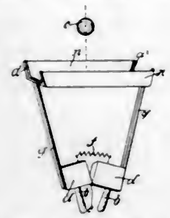
In a door for grain cars, a car provided with side door openings, guide strips for each side door opening extending inwardly at their upper ends and engaging the roof of the car, a panel door slidable in the guide strips, a shaft journaled adjacent the car roof, a drum secured to each end of the shaft, a crank handle secured to one end of the shaft, cable connections between the drums and the upper panel of the door, and said car roof having a trap door opening therein overlying the crank handle carried by said shaft.

1,463,725. EXTENSIBLE, REVERSIBLE, AND SELF-SHARPENING DIPPER TOOTH. JOSEPH F. PRYOR, Houghton, Mich. Filed Apr. 3, 1922. Serial No. 549,068. 9 Claims. (Cl. 37—142.)



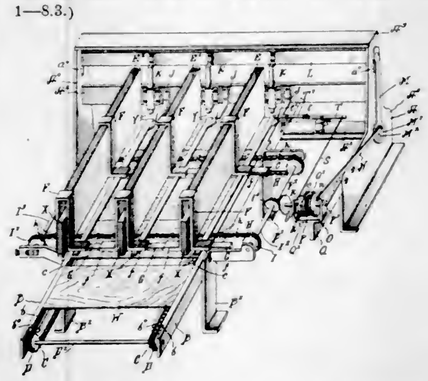
1. A dipper tooth having a longitudinally extending passage, a cutter extending through the passage and projectable beyond the forward end of said tooth, means connected with the cutter for projecting the cutter forwardly, and releasable means for securing said means in adjusted positions with a predetermined portion of the cutter extending beyond the forward end of the tooth.

1,463,726. RICOCHET BALL GAME. ERNST RUTTMANN, Stuttgart, Germany. Filed Aug. 24, 1921. Serial No. 494,848. 2 Claims. (Cl. 46—59.)



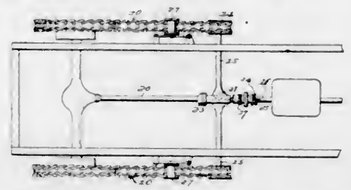
1. A device for playing ricochet ball comprising the combination of two hand-levers, a slack ricocheting surface of mesh material secured at its respective ends to the upper ends of said levers, means for pivotally connecting said levers to each other near their lower ends, handles at the lower ends of said levers, limiting means to prevent the upper ends of the levers coming into too close proximity with each other, and spring means to return the levers to their initial position when the handles are released, the pivotal connecting means being at such distance from the lower ends of the levers that the handles may be gripped with one hand.

1,463,727. MACHINE FOR MAKING BOXES AND CRATES. JOHN SHELLENBERGER, Rome, Ga., assignor to Sealed Case Company, a Corporation of New York. Filed Feb. 21, 1919, Serial No. 278,368. Renewed June 9, 1921. Serial No. 476,337. 47 Claims. (Cl. 1—8.3.)



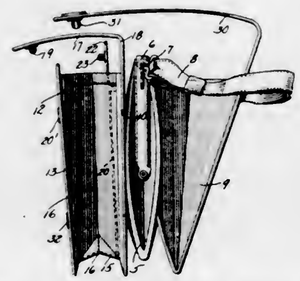
1. Apparatus of the character described comprising an endless conveyor for box or crate blanks, a series of hoppers for battens arranged above said conveyor and parallel to the movement of said conveyor, each hopper being provided with an opening at one side of its base of sufficient depth to permit the ejection of a single batten laterally therethrough, and feed chains movable transversely of the conveyor for simultaneously and laterally ejecting the lowest batten from each of said hoppers, substantially as described.

1,463,728. VEHICLE TRANSMISSION GEAR. PETER D. SINCLAIR, Marion, N. C. Filed June 15, 1921. Serial No. 477,720. 1 Claim. (Cl. 305—3.)



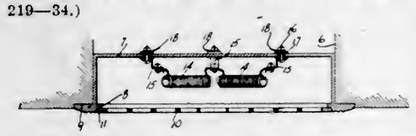
The combination with a vehicle having driving wheels, a transmission shaft communicating motion thereto and a driving motor, of a differential countershaft carried by the vehicle, and having sprockets on its extremities, endless traction element engaged with the driving wheels and with the sprockets, a clutch interposed between the transmission shaft and the motor, a pinion carried by one of the elements of said clutch, a pinion operatively connected with the differential countershaft, and means for operating the pinion carrying the clutch element to move it toward and away from the complemental element whereby when the clutch elements are engaged the pinion is moved laterally to mesh with the pinion connected with the countershaft, reengagement of the pinions being effected by the disengagement of the clutch elements.

1,463,729. POCKETBOOK. BERNARD STEMBER, New York, N. Y. Filed Nov. 1, 1921. Serial No. 512,034. 1 Claim. (Cl. 150—28.)



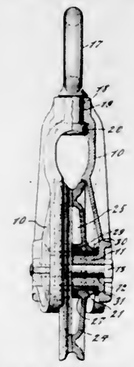
A pocket book comprising a main frame, a pocket formed on said main frame, a bellows pocket mounted on the front of said first-mentioned pocket, a collapsible pocket mounted on the back of said first-mentioned pocket, a partition separating said bellows pocket from the front wall of the first-mentioned pocket, a pocket formed on said partition and between the partition and the rear wall of the bellows pocket, a flap carried by said partition and adapted to overlap the rear wall of the bellows pocket to close the pocket formed between the rear wall and the partition, a second flap carried by the first-mentioned pocket and adapted to overlie the bellows pocket to form a closure therefor, and a flap forming an extension of the rear wall of the collapsible pocket and extending to the front wall of the bellows pocket to close the entire open side of all of the pockets, substantially as described.

1,463,730. HEATER. EDWARD DUMONT STOUT, New Rochelle, N. Y., assignor to Wm. H. Jackson Company, New York, N. Y., a Corporation of New York. Filed Jan. 7, 1922. Serial No. 527,639. 1 Claim. (Cl. 219—34.)



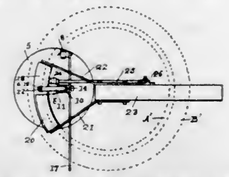
As an article of manufacture a permanent heater adapted to be attached to the wall of a room, said heater comprising a housing having an open side, a grill for closing the open side of the housing, a plurality of brackets carried by and projecting from the rear wall of the housing and insulated with respect thereto, and a plurality of heating elements carried by said brackets substantially as described.

1,463,731. SHEAVE BLOCK. ERVIN D. SWAN, East Orange, N. J., and DUFF G. MANGES, Maryville, Tenn., assignors, by direct and mesne assignments, of one-half to Lidgerwood Manufacturing Company, New York, N. Y., a Corporation of New York, and one-half to United Steel Block Corporation, Chester, Pa., a Corporation of Delaware. Filed Apr. 23, 1921. Serial No. 463,760. 3 Claims. (Cl. 64—26.)



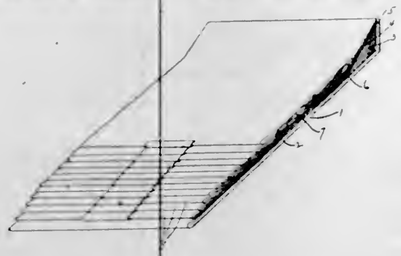
3. In a sheave block, a cylindrical bearing member, a sheave having a cylindrical bearing aperture surrounding said member and provided with a chamber adapted to contain lubricating material and an inwardly enlarged annular passage leading from said chamber to said bearing member, and a felt ring compressed within said passage for conveying lubricating material from said chamber to said bearing member.

1,463,732. DEVICE FOR RIVETING HALF SOLES ON PNEUMATIC RUBBER TIRES. RALPH C. TURNER and EDWARD T. ALSTON, Seattle, Wash.; said Turner assignor to said Alston. Filed May 13, 1922. Serial No. 560,845. 5 Claims. (Cl. 78—6.)



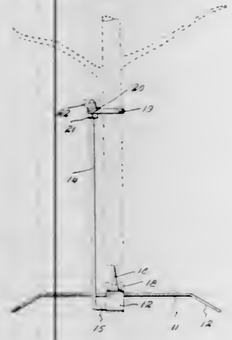
1. An anvil of a rubber tire-shoe riveting machine having a hard-metal surface area adapted to support a rivet when being upset and also having a soft-metal surface area adapted to receive the sharp end of a rivet-hole punch.

1,463,733. DESK ORGANIZER. ROY J. TURNER, San Francisco, Calif., assignor to Efficiency File Co., a Copartnership, Chicago, Ill. Filed Sept. 8, 1921. Serial No. 499,223. 1 Claim. (Cl. 129—15.)



A desk organizer comprising a rigid base plate, a block mounted at one end of the same having a slanting upper surface descending toward the base frame; a strip of flexible material secured to the lower end of the block surface and alternately led away from and back to the block so as to form a plurality of double leaves secured to the block in ascending and spaced relation with the leaves made of substantially equal size so as to present a correspondingly inclined formation at the opposite end, and a cover of relatively stronger material than the leaves secured to the back of the block and adapted to overlie the upper leaf.

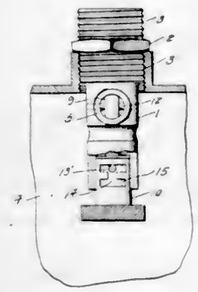
1,463,734. TREE HOLDER. JOHN ULLRICH, Salt Lake City, Utah. Filed Oct. 11, 1921. Serial No. 507,006. 1 Claim. (Cl. 248—38.)



A tree holder of the class described comprising a base, a standard having its lower end bent to provide a U-shaped hook, said lower end of hook being pointed and passed through an opening formed in said base, a thumbscrew threaded to the pointed end portion of said hook and engaging said base to hold the standard to the base, curved jaws arranged end to end and having their meeting ends overlapping and formed with openings to receive the upper end of said standard, a thumbscrew threaded onto the upper end of the standard to hold the jaws in place thereon, the inner surfaces of said jaws being formed with teeth to engage the trunk of the tree.

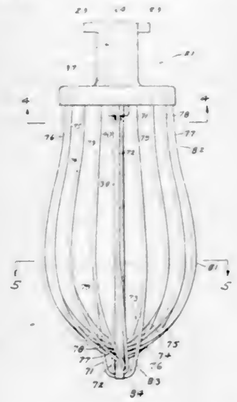
1,463,735. COMBINED CLOSURE AND FAUCET FOR LIQUID CONTAINERS. HENRY OZA VARRIEUR, Placerville, Calif. Filed Mar. 18, 1922. Serial No. 544,961. 2 Claims. (Cl. 251—137.)

1. A combined closure and faucet comprising a hollow body having an external polygonal portion near one end, and portions adjacent and upon opposite sides of the polygonal portion externally screw threaded, and provided in a side with a lateral discharge opening, a valve closing the



end of the body adjacent the polygonal portion, and a pressure piece at the opposite end of the body having connection with said valve to effect unseating thereof.

1,463,736. WHIP FOR MIXING MACHINES. PAUL S. WARD, Cincinnati, Ohio, assignor to The Triumph Manufacturing Company, Cincinnati, Ohio, a Corporation of Ohio. Filed Mar. 2, 1923. Serial No. 622,234. 6 Claims. (Cl. 259—102.)

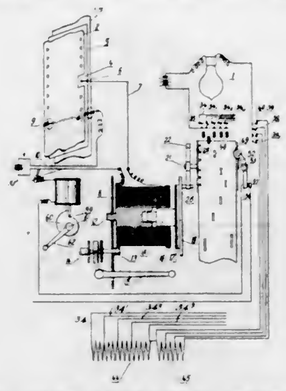


1. A whip of the character described comprising a head, a stem depending therefrom, and wires between the lower end of said stem and said head inclined about the axis of said stem, and the lower portions of said wires located in relatively stepped positions.

1,463,737. POSITIVE-FILMS-PRINTING MACHINE. ANDRÉ LÉON VICTOR CLÉMENT DEBRIE, Paris, France. Filed June 16, 1922. Serial No. 568,829. 4 Claims. (Cl. 95—75.)

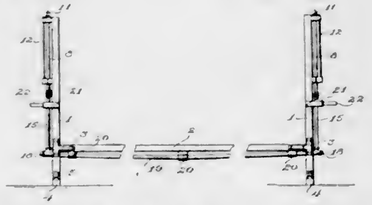
1. A positive film printing machine comprising a casing, an electric lamp disposed therein an aperture in said casing before which the negative film and the positive film to be printed are caused to travel, an electro-magnet whose armature is controlled by the motion of the negative film, a drum adapted to be actuated when the electro-magnet armature is attracted, a perforated band disposed upon said drum, a first set of spring contacts cooperating with said perforated band and connected to the incoming circuit, a second set of spring contacts cooperating with said perforated band and connected to one terminal of the lamps a rheostat having two sections in series, one set of

contacts being connected to one section, and the other set of contacts being connected to the other section, and means for combining any of the contacts of the first set with



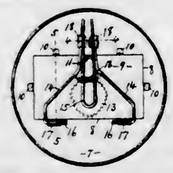
any of the contacts of the second set for inserting in the circuit of the lamp a different resistance for each combination.

1,463,738. LEVEL. WALTER M. DICKINSON, Middlesex, N. C. Filed Apr. 17, 1922. Serial No. 553,391. 1 Claim. (Cl. 33—209.)



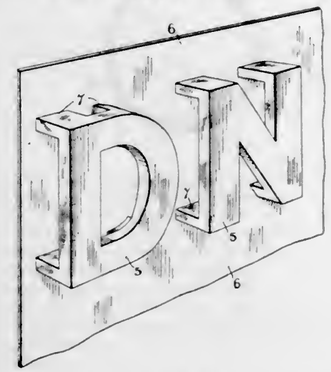
A level comprising a pair of standards, a beam connecting the standards, vertically spaced brackets upon the outer face of each standard, a scale extending between the said brackets and reading in opposite directions from its center, a transparent gage tube disposed in front of the scale upon each standard and supported by the brackets projecting from said standard, a vent cock at the upper end of each gage tube, a pipe carried by the beam and the standards and having upturned portions alined with the respective gage tubes, flexible coupling sleeves encircling the meeting ends of the pipe and the respective gage tubes, clamps around said sleeves, U-shaped brackets secured to the respective standards and projecting outwardly therefrom, and handles projecting from said brackets.

1,463,739. BADGE AND ANALOGOUS DEVICE. HAROLD W. DRAPER, East Orange, N. J., assignor to The Whitehead & Hoag Company, Newark, N. J. Filed July 24, 1922. Serial No. 577,105. 1 Claim. (Cl. 40—1.6.)



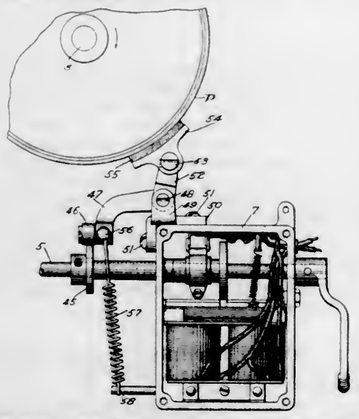
In a badge of the character described, a main supporting plate having a sight opening therethrough, a display plate removably seated in said opening, a transparent cover plate secured to the main plate and extending across the front face of the display plate for limiting the forward movement thereof in said opening and for displaying said display plate therethrough, and means for holding the display plate in said opening including a locking member having one end hinged to the main plate at one side of the opening to swing to and from a position across and against the back of the display plate and its other end returned toward the hinged end to form a loop for attachment to a button hole or pocket, and a keeper on the main plate at the side of the opening opposite the hinge for engagement by the adjacent portion of the locking member.

1,463,740. DISPLAY DEVICE. JAMES EDWIN GEE and FREDERICK SAMUEL GEE, London, England. Filed Nov. 25, 1922. Serial No. 603,329. 4 Claims. (Cl. 40—140.)



1. A display device comprising a plate of magnetic material, a detachable tablet of desired shape and character formed of para-magnetic material and a plurality of pairs of feet formed integrally with said tablet and constituted by portions bent over at the margins of said tablet, said feet being adapted to form pairs of magnetic poles for the attachment of the said tablet to the surface of the said plate.

1,463,741. STOP MOTION FOR KNITTING MACHINES. EDSON S. HINELINE, Apponaug, R. I., assignor to Hineline Engineering Company, Providence, R. I., a Corporation of Rhode Island. Filed Aug. 31, 1921. Serial No. 497,219. 6 Claims. (Cl. 66—7.)



1. Stopping mechanism for knitting machines comprising in combination, a rock shaft having a disk, an electro-magnet having an armature adapted to hold said disk

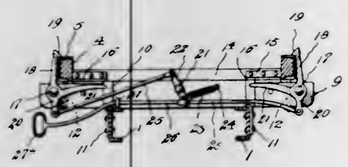
from rotation until energized, means whereby yarn break or impaired tension effects energization of said magnet, a driving pulley, shipper means therefor, a brake adapted to be applied directly to said pulley, a lever carrying said brake, and a cam upon said rock shaft and controlling the movement of said lever.

1,463,742. INNER TUBE. GEORGE A. LANE, Lorain, Ohio, assignor of one-half to Isaac A. Chappell and one-half to John C. Hayes, both of Lorain, Ohio. Filed Oct. 5, 1922. Serial No. 592,505. 1 Claim. (Cl. 152—13.)



As a new article of manufacture, an inner tube comprising an inner lamination of rubber the same being initially molded in tubular form, a textile lamination cut on the bias and spirally disposed around the inner lamination, said textile lamination being of a length and width to surround the rubber lamination, the ends of the textile lamination being obliquely cut and in overlapping relation, the longitudinal marginal portions of said fabric lamination being in slight overlapping relation, and an outer lamination of sheet rubber wrapped around the textile lamination, the opposite ends of the structure being spliced.

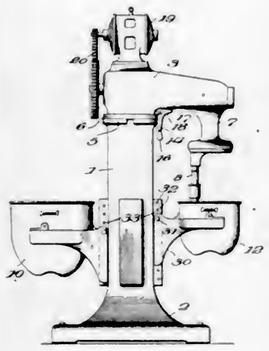
1,463,743. DUMP BODY VEHICLE. WALTER D. LANKSTON, Robinson, Ill. Filed Dec. 1, 1921. Serial No. 519,190. 2 Claims. (Cl. 298—38.)



1. In a vehicle, the combination of longitudinal chassis bars, a rear frame bar carried by said chassis bars, a dump body having longitudinal parallel bottom bars hingedly connected at intermediate points of their length to said rear frame bar, a transverse beam superimposed on and fixed to the longitudinal chassis bars and spaced in front of the rear frame bar, and manually-operable means carried by the said transverse beam and constructed and arranged when the body is restored to carrying position to automatically and detachably engage the longitudinal bottom bars of the body and secure the body in carrying position, and also constructed and arranged to impart an upward impulse to the forward portion of the body after the release thereof.

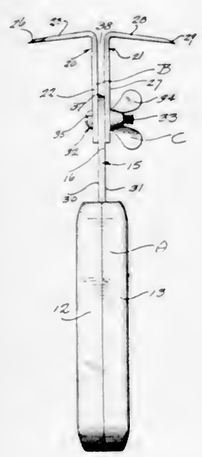
1,463,744. MIXING MACHINE. FRANK X. LAUTERBUR, Sidney, Ohio. Filed June 4, 1921. Serial No. 475,137. 5 Claims. (Cl. 259—70.)

1. A mixing machine of the class described including a column, a plurality of bowls or receptacles grouped around and supported by the column, an adjustable head also supported by the column and movable around the same for carrying beater operating mechanism to operative position with relation to any one of the bowls or



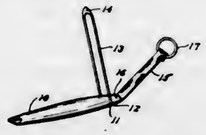
receptacles, and cooperating means on the head and the column for securing the head in position over the bowls or receptacles.

1,463,745. SCRAPER. JAMES W. LAYNE, Danville, Va. Filed June 17, 1921. Serial No. 478,384. 1 Claim. (Cl. 145—47.)



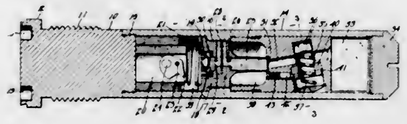
A scraping tool comprising a supporting bar and handle structure having an opening adjacent the upper end thereof, scraping blades having different scraping edges outwardly thereon each including a blade portion and a relatively longer attaching portion extending at a substantial angle to the blade, the attaching portions of said blades having apertures thereon immediately adjacent their free end edges adapted for alignment with the aperture of said supporting bar upon the opposite sides of the latter, and detachable clamping means inserted through the aligning apertures of the scraping blades and bar whereby said attaching portions of said scraping blades extend upwardly from the top marginal edge of the supporting bar for their major lengths providing a space therebetween.

1,463,746. HAIR CURLER. GEORGE C. LEWIS, Philadelphia, Pa. Filed Aug. 31, 1922. Serial No. 585,519. 2 Claims. (Cl. 132—44.)



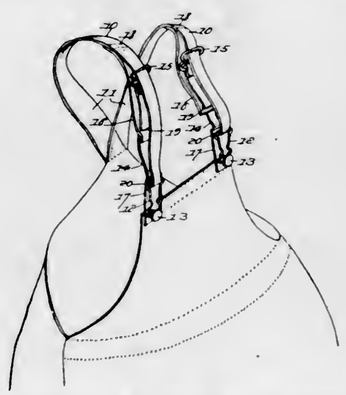
1. A hair curler comprising a cigar-shaped body portion, a hail pivotally secured thereto, and a length of elastic material also secured to said body portion.

1,463,747. DETONATING FUSE. ROY L. LOWMAN, Buckhannon, W. Va., assignor of one-half to Harry C. Dodge. Filed June 18, 1921. Serial No. 478,739. 7 Claims. (Cl. 102—39.)



3. A detonating fuse comprising a detonating charge and an igniting charge, a passage therebetween, an interrupter operating across the passage and provided with a bore, a spring within the bore, said interrupter having at one end a transverse passage which at times is aligned with the first said passage to provide unrestricted communication between the two said charges, said interrupter also having an enlarged weighted portion, a detent at times bearing against the under side of said enlarged portion and at other times bearing against the upper side of said enlarged portion, substantially as set forth.

1,463,748. BIB OVERALLS. WALTER C. MASTIN, San Antonio, Tex. Filed Mar. 25, 1921. Serial No. 455,692. 1 Claim. (Cl. 2—140.)



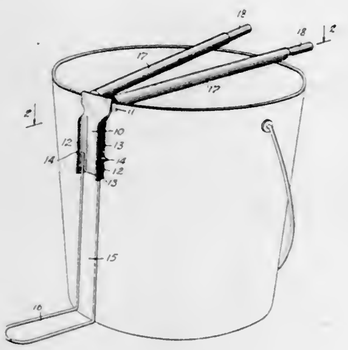
The combination with an adjustable shoulder strap for garments of the type indicated having means for adjustably connecting the terminal of the strap with the body portion thereof and a button loop for engagement with the suspender button on the garment, of a protective tongue provided with a transverse slot through which the shoulder strap extends and having a button hole for engageemnt with the button of the garment and disposed at the rear of said loop.

1,463,749. DEVICE FOR PREVENTING LEAKS. CHARLES POLLAK, Hancock, Mich. Filed June 3, 1921. Serial No. 474,722. 1 Claim. (Cl. 24—19.)



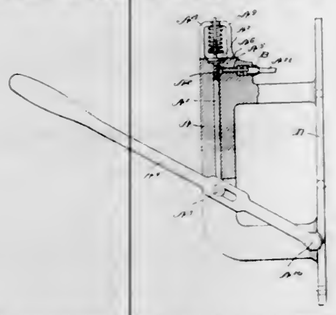
A device of the character described comprising pair of similar substantially semi-cylindrical clamping members hingedly connected at one edge and adapted to be engaged upon a flexible conductor in embracing relation thereto, flanged members on said clamping members in spaced relation to the other edges thereof, said flanged members having their flanges converging longitudinally and turned outwardly, and a clamping device formed as a trapezoidal shaped body having converging side flanges engageable upon said first named flanges whereby when said last named clamping member is moved longitudinally in one direction with respect to said semi-cylindrical clamping members, the latter will be drawn into compressing engagement with the conductor, the spacing of said flanged members from the edges of the semi-cylindrical clamping members permitting the free edges of the latter to be drawn closely together whereby substantially the entire periphery of the flexible conductor will be compressed.

1,463,750. MOP WRINGER. EDWARD PETER POULSEN, Mendham, N. J. Filed July 25, 1922. Serial No. 577,289. 4 Claims. (Cl. 15—262.)



1. A mop wringer including a pair of mop engaging elements arranged side by side, means adapted to embrace the upper edge of a bucket, a connection between one end of each mop engaging element and the portion of the bucket edge embracing means disposed at the inner side of the bucket for permitting universal turning and swinging movements of said mop engaging elements, and a foot engaging element depending from said means and connected thereto for respectively holding said means in embracing engagement with the upper edge of the bucket and for preventing accidental turning movement of the bucket, said foot engaging element having adjustable connection with the bucket embracing means.

1,463,751. MECHANICAL IGNITER. ALVAH L. POWELL, Miles City, Mont., assignor to The A. L. Powell Power Co., Inc., Miles City, Mont., a Body Corporate. Filed Feb. 2, 1921, Serial No. 441,979. Renewed Dec. 22, 1922. 2 Claims. (Cl. 67—6.)



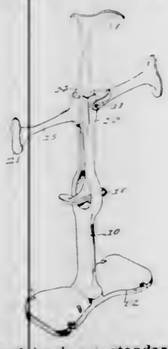
1. In a mechanical igniter, a frame, a bored hole in said frame, a piston operable in said bored hole, an inlet valve, an outlet valve, means for holding said outlet valve to resist a pre-arranged pressure, communicating means from said valves to said bored hole, a lever, means for supporting said lever on said frame, a slot in said lever, a pin on said piston, means for operating said piston by said lever, and means for fastening said frame to a supporting surface, substantially as described.

1,463,752. SEPARATING DISKS IN CENTRIFUGAL SEPARATORS. LUDVIK RASCH, Christiania, Norway, assignor to Aktieselskapet Turbo-Separator, Drammen, Norway. Filed Jan. 24, 1922. Serial No. 531,506. 4 Claims. (Cl. 233—41.)



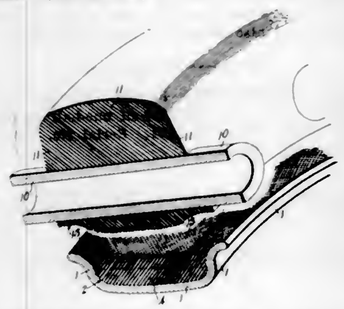
2. A centrifugal separator disk having a fold provided with tongues, the folding line of the disk being internal to the base line of the tongues.

1,463,753. SHOE-LAST STAND. WILLIAM A. REED, Springfield, Ohio, assignor of one-half to Sumner Lathey, Springfield, Ohio. Filed June 19, 1919. Serial No. 305,304. 1 Claim. (Cl. 12—123.)



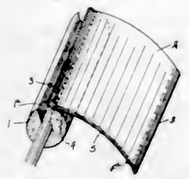
A shoe last stand having a standard bifurcated at its upper end to provide relatively yieldable jaws, a head disposed between the flanges of said jaws and having radial arms having terminal last members, a pivot bolt connecting said jaws and extending axially through said head to revolubly mount the same on the standard, and a clamping nut engaging said bolt for actuating the jaws to secure them in frictional engagement with the interposed head.

1,463,754. METHOD OF MANUFACTURING TIRES. CARL E. RETT, Akron, Ohio, assignor to Lambert Tire & Rubber Co., Barberton, Ohio, a Corporation of Arizona. Filed Sept. 9, 1922. Serial No. 587,141. 6 Claims. (Cl. 18—59.)



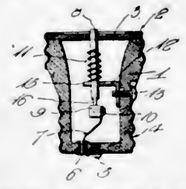
1. The method of tire building which consists in taking a rim of any usual cross sectional shape, building up a tire base in the rim and partially curing the same; building up a tire body separately from the rim base and partially curing the same; subsequently stretching the tire body and placing it over the base portion on the rim; then vulcanizing the whole together.

1,463,755. IDENTIFICATION DEVICE. VICTOR E. WEST, McKeesport, Pa. Filed Jan. 6, 1923. Serial No. 611,077. 3 Claims. (Cl. 40—19.)



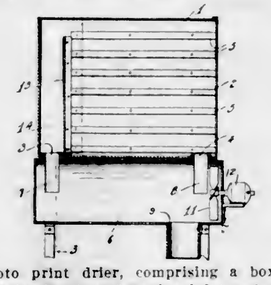
1. In a device of the character described, a member adapted to be secured about an umbrella rod, a sheet of transparent material secured to said member, identifying means positioned between the member and said sheet of transparent material, and means for securing the ends of the sheet of transparent material together.

1,463,756. RENEWABLE FUSE. WILLIAM M. WETTER, Williamsport, Pa., assignor of one-half to Louis G. Huling, Williamsport, Pa. Filed July 13, 1922. Serial No. 574,738. 3 Claims. (Cl. 200—121.)



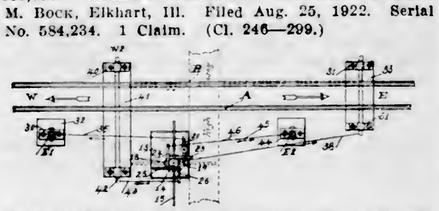
1. A circuit cut-out comprising a body, a self-acting indicator carried by said body, a fuse connected detachably with said indicator at a point within the body and normally holding said indicator against operation, said fuse being also detachably connected with said body, and a detachable connection separate from the fuse connecting said indicator with said body and releasable only when the fuse has blown.

1,463,757. PHOTOPRINT DRIER. ALDEN H. WYATT, Knoxville, Iowa. Filed Oct. 27, 1922. Serial No. 597,322. 3 Claims. (Cl. 34—19.)



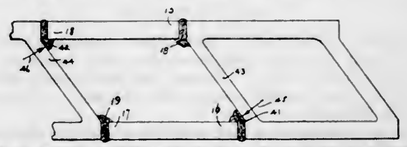
3. A photo print drier, comprising a box having a door closing its front, and having inlet and outlet openings in opposite ends of its bottom, a partition in the rear portion of the box terminating short of the top thereof, the space between the partition and rear of the box being in communication with the air inlet, a drum beneath the box in communication at opposite ends with the inlet and outlet openings of the box and having an opening in its bottom opposite the outlet of the box for the reception of warm air from a suitable source, and a fan for circulating the warm air through the drum and box.

1,463,758. RAILWAY-CROSSING SIGNAL. EVERETT M. BOCK, Elkhart, Ill. Filed Aug. 25, 1922. Serial No. 584,234. 1 Claim. (Cl. 246—299.)



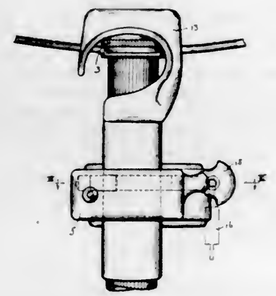
In a signaling device, the combination of a stationary vertical standard, a tubular semaphore staff rotative on the upper end of the standard; a coiled spring surrounding said standard and having one end attached to the standard and the other end attached to the staff; a frame secured on the staff and having outwardly extended arms; levers and connections pulling on the arms of said frame to rotate the staff to stress said coiled spring; a latch plate attached to the staff and provided with a stop; a latch pivoted on a stationary support and adapted to engage the stop on said latch plate, and levers and connections effective to retract said latch to permit said coiled spring to rotate said staff.

1,463,759. WALL CONSTRUCTION. GEORGE C. CARSON and EDWARD COLL, San Francisco, and THOMAS S. Christensen, Nashmead, Calif. Filed Apr. 17, 1922. Serial No. 553,625. 2 Claims. (Cl. 72—41.)



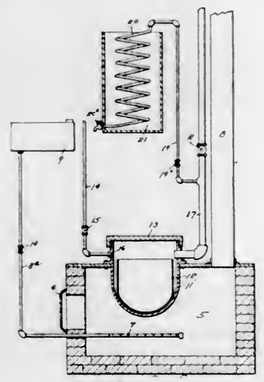
2. A hollow building block formed of molded material having parallel sides laterally displaced and a plurality of ends lying in displaced parallel planes at right angles to said surfaces, and a brace member between each pair of parallel ends and forming an acute angle therewith.

1,463,760. VEHICLE LOCK. CHARLES A. CONGER, Oakland, Calif., assignor to National Auto Devices Company, San Francisco, Calif., a Corporation of California. Filed June 3, 1920. Serial No. 386,201. 5 Claims. (Cl. 70—129.)



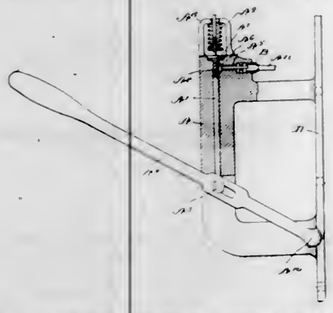
5. In a lock for a vehicle steering wheel and column, comprising a body having two parts adapted to interlock in hinged relation on one side and an inset screw to secure the two parts on the other side of said column, a shank slidable in said body and having a member adapted to engage the steering wheel on one end thereof, a barrel lock set flush within said body and constructed and adapted to lock said shank when the member engages the steering wheel.

1,463,761. GARBAGE AND SEWAGE INCINERATING APPARATUS. JASPER C. CURRY, Pineville, La. Filed Nov. 6, 1920. Serial No. 422,290. 2 Claims. (Cl. 110—11.)



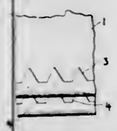
1. A device of the character described comprising a heating element, a bowl to be heated thereby, an air-tight closure for said bowl, a discharge leading from the bowl and having a controlling valve therein, a branch pipe leading from the discharge pipe between the valve and the bowl, a condensing coil to which the branch pipe leads a bodily removable lining for said bowl constituting a receptacle and means for supplying air to the interior of said bowl and receptacle above the top of said receptacle.

1,463,751. MECHANICAL IGNITER. ALVAH L. POWELL, Miles City, Mont., assignor to The A. L. Powell Power Co., Inc., Miles City, Mont., a Body Corporate. Filed Feb. 2, 1921, Serial No. 441,979. Renewed Dec. 22, 1922. 2 Claims. (Cl. 67—6.)



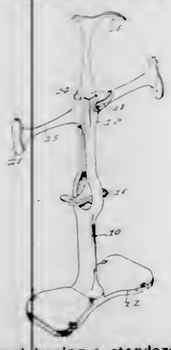
1. In a mechanical igniter, a frame, a bored hole in said frame, a piston operable in said bored hole, an inlet valve, an outlet valve, means for holding said outlet valve to resist a pre-arranged pressure, communicating means from said valves to said bored hole, a lever, means for supporting said lever on said frame, a slot in said lever, a pin on said piston, means for operating said piston by said lever, and means for fastening said frame to a supporting surface, substantially as described.

1,463,752. SEPARATING DISKS IN CENTRIFUGAL SEPARATORS. LUDVIK RASCH, Christiania, Norway, assignor to Aktieselskapet Turbo-Separator, Drammen, Norway. Filed Jan. 24, 1922. Serial No. 531,506. 4 Claims. (Cl. 233—41.)



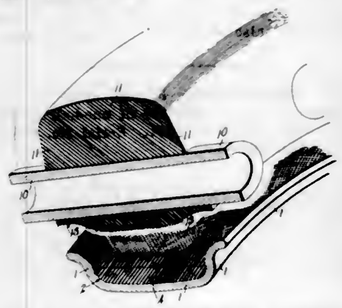
2. A centrifugal separator disk having a fold provided with tongues, the folding line of the disk being internal to the base line of the tongues.

1,463,753. SHOE-LAST STAND. WILLIAM A. REED, Springfield, Ohio, assignor of one-half to Sumner Lathey, Springfield, Ohio. Filed June 19, 1919. Serial No. 305,304. 1 Claim. (Cl. 12—123.)



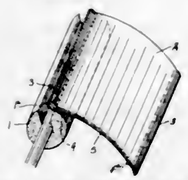
A shoe last stand having a standard bifurcated at its upper end to provide relatively yieldable jaws, a head disposed between the flanges of said jaws and having radial arms having terminal last members, a pivot bolt connecting said jaws and extending axially through said head to revolubly mount the same on the standard, and a clamping nut engaging said bolt for actuating the jaws to secure them in frictional engagement with the interposed head.

1,463,754. METHOD OF MANUFACTURING TIRES. CARL E. RETT, Akron, Ohio, assignor to Lambert Tire & Rubber Co., Barberton, Ohio, a Corporation of Arizona. Filed Sept. 9, 1922. Serial No. 587,141. 6 Claims. (Cl. 18—59.)



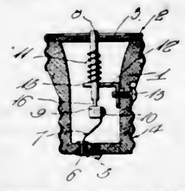
1. The method of tire building which consists in taking a rim of any usual cross sectional shape, building up a tire base in the rim and partially curing the same; building up a tire body separately from the rim base and partially curing the same; subsequently stretching the tire body and placing it over the base portion on the rim; then vulcanizing the whole together.

1,463,755. IDENTIFICATION DEVICE. VICTOR E. WEST, McKeesport, Pa. Filed Jan. 6, 1923. Serial No. 611,077. 3 Claims. (Cl. 40—19.)



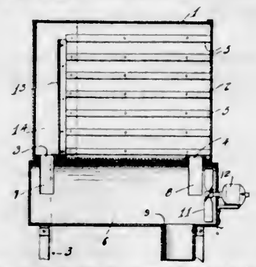
1. In a device of the character described, a member adapted to be secured about an umbrella rod, a sheet of transparent material secured to said member, identifying means positioned between the member and said sheet of transparent material, and means for securing the ends of the sheet of transparent material together.

1,463,756. RENEWABLE FUSE. WILLIAM M. WETTER, Williamsport, Pa., assignor of one-half to Louis G. Huling, Williamsport, Pa. Filed July 13, 1922. Serial No. 574,738. 3 Claims. (Cl. 200—121.)



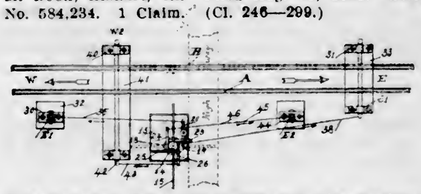
1. A circuit cut-out comprising a body, a self-acting indicator carried by said body, a fuse connected detachably with said indicator at a point within the body and normally holding said indicator against operation, said fuse being also detachably connected with said body, and a detachable connection separate from the fuse connecting said indicator with said body and releasable only when the fuse has blown.

1,463,757. PHOTOPRINT DRIER. ALDEN H. WYATT, Knoxville, Iowa. Filed Oct. 27, 1922. Serial No. 597,322. 3 Claims. (Cl. 34—19.)



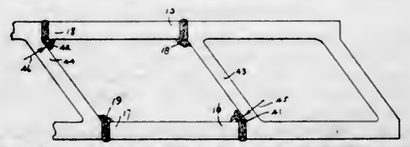
3. A photo print drier, comprising a box having a door closing its front, and having inlet and outlet openings in opposite ends of its bottom, a partition in the rear portion of the box terminating short of the top thereof, the space between the partition and rear of the box being in communication with the air inlet, a drum beneath the box in communication at opposite ends with the inlet and outlet openings of the box and having an opening in its bottom opposite the outlet of the box for the reception of warm air from a suitable source, and a fan for circulating the warm air through the drum and box.

1,463,758. RAILWAY-CROSSING SIGNAL. EVERETT M. BOCK, Elkhart, Ill. Filed Aug. 25, 1922. Serial No. 584,234. 1 Claim. (Cl. 246—299.)



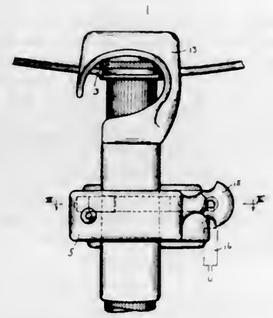
In a signaling device, the combination of a stationary vertical standard, a tubular semaphore staff rotative on the upper end of the standard; a coiled spring surrounding said standard and having one end attached to the standard and the other end attached to the staff; a frame secured on the staff and having outwardly extended arms; levers and connections pulling on the arms of said frame to rotate the staff to stress said coiled spring; a latch plate attached to the staff and provided with a stop; a latch pivoted on a stationary support and adapted to engage the stop on said latch plate, and levers and connections effective to retract said latch to permit said coiled spring to rotate said staff.

1,463,759. WALL CONSTRUCTION. GEORGE C. CARSON and EDWARD COLL, San Francisco, and THOMAS S. Christensen, Nashmead, Calif. Filed Apr. 17, 1922. Serial No. 553,625. 2 Claims. (Cl. 72—41.)



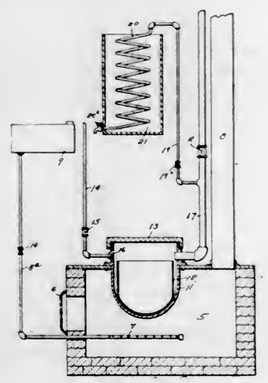
2. A hollow building block formed of molded material having parallel sides laterally displaced and a plurality of ends lying in displaced parallel planes at right angles to said surfaces, and a brace member between each pair of parallel ends and forming an acute angle therewith.

1,463,760. VEHICLE LOCK. CHARLES A. CONGER, Oakland, Calif., assignor to National Auto Devices Company, San Francisco, Calif., a Corporation of California. Filed June 3, 1920. Serial No. 386,201. 5 Claims. (Cl. 70—129.)



5. In a lock for a vehicle steering wheel and column, comprising a body having two parts adapted to interlock in hinged relation on one side and an inset screw to secure the two parts on the other side of said column, a shank slidable in said body and having a member adapted to engage the steering wheel on one end thereof, a barrel lock set flush within said body and constructed and adapted to lock said shank when the member engages the steering wheel.

1,463,761. GARBAGE AND SEWAGE INCINERATING APPARATUS. JASPER C. CURRY, Pineville, La. Filed Nov. 6, 1920. Serial No. 422,290. 2 Claims. (Cl. 110—11.)



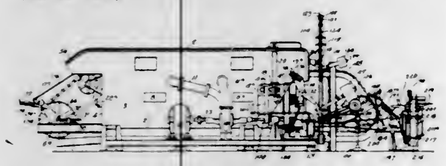
1. A device of the character described comprising a heating element, a bowl to be heated thereby, an air-tight closure for said bowl, a discharge leading from the bowl and having a controlling valve therein, a branch pipe leading from the discharge pipe between the valve and the bowl, a condensing coil to which the branch pipe leads a bodily removable lining for said bowl constituting a receptacle and means for supplying air to the interior of said bowl and receptacle above the top of said receptacle.

1,463,762. MANUFACTURE OF RETURN CONNECTIONS. JACQUES LENTÉ, Paris, France, assignor to Société Anonyme d'Escaut & Meuse, Paris (Seine), France, a Company of France. Filed Sept. 27, 1921. Serial No. 503,674. 2 Claims. (Cl. 29—157.6.)



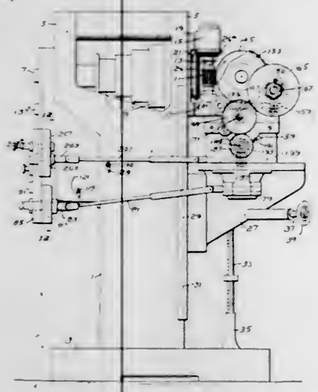
1. A process for the manufacture of a return connection, particularly intended to form an element of a tubular superheater, consisting in providing a tube with a thickened portion intermediate its ends, curving said tube into the form of an elbow, placing said elbow in a press and exerting pressure on the elbow to shape the metal of the elbow, and inserting mandrels in the ends of said elbow before exerting pressure on the same.

1,463,763. BOTTLE-CLEANING APPARATUS. CHARLES H. LOEW and JOHN R. GRUETTER, Lakewood, Ohio. Filed Mar. 17, 1917. Serial No. 155,422. 35 Claims. (Cl. 15—60.)



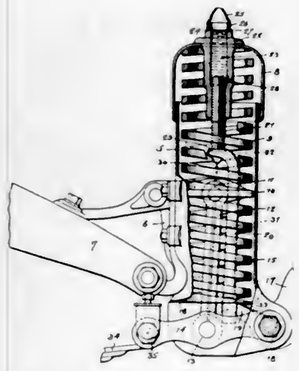
11. In an apparatus of the character described, the combination, with bottle-treating means, of a conveyor extending in operative relation to said means, means for moving the conveyor intermittently, a bottle receiving and charging device cooperating with the receiving portion of the conveyor and movable into and out of operative relation thereto, a bottle receiving and removing device cooperating with the delivery portion of said conveyor and movable into and out of operative relation thereto, and means for moving the said devices into operative relation to the conveyor while the latter is at rest.

1,463,764. MACHINE TOOL. RICHARD C. MONAHAN, Watertown, Mass., assignor to National Machine & Tool Company, Boston, Mass., a Corporation of Maine. Filed Apr. 10, 1920. Serial No. 372,956. 7 Claims. (Cl. 90—4.)



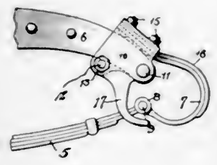
1. In a machine of the character described, the combination of a hob cutter, a work support, a spindle mounted on said work support for rotating a gear blank to be acted upon by the hob cutter, a worm gear fast on said spindle, a worm meshing with said gear, a shaft mounted on said work support, spiral gears for imparting rotation from said shaft to said worm, an index gear detachably mounted on said shaft, a carrier fulcrumed on the axis of said index gear and adjustable to different positions, a driving gear, an intermediate gear on said carrier and adapted to mesh with said driving gear and index gear, and means for rotating said hob cutter and driving gear at the same speed.

1,463,765. LUBRICATING DEVICE. RICHARD T. NEWTON, New York, N. Y. Filed Dec. 8, 1919. Serial No. 343,213. 7 Claims. (Cl. 267—29.)



1. In a shock eliminator, a casing, a hollow nut at the top thereof forming an oil reservoir, members arranged within said casing, and means for lubricating said members from the reservoir in the nut.

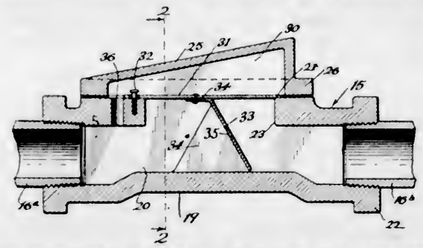
1,463,766. SHOCK ELIMINATOR. RICHARD T. NEWTON, New York, N. Y. Filed June 2, 1920. Serial No. 385,919. 8 Claims. (Cl. 267—54.)



1. The combination with a chassis side bar having a spring bolt and a main spring having an eye adapted to receive said spring bolt, of a shock eliminator comprising a bracket adapted to be mounted on the end of the chassis side bar and engaged by said spring bolt, and a C-shaped leaf spring rigidly secured at one end to said bracket, and pivoted at its other end to the eye of the main supporting spring.

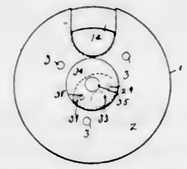
1,463,767. AIR-BRAKE EMERGENCY CHECK VALVE. MICHAEL H. RYAN, San Bernardino, Calif., assignor of one-tenth to Julius J. Peyron, San Bernardino, Calif. Filed Aug. 7, 1922. Serial No. 580,240. 5 Claims. (Cl. 303—42.)

4. In combination, a casing having a straight passageway therethrough, and a chamber, flanges formed on the walls of the passageway, a valve for controlling the passage of fluid through the passageway and adapted when in closed position to abut said flanges, and a second valve



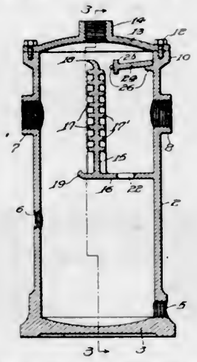
for controlling the passage of fluid from the passageway to said chamber, said valves being mounted for simultaneous movement.

1,463,768. LOCK. GEORGE E. M. WIELAND, Baltimore, Md., assignor of one-half to Frank Boehmer, Baltimore, Md. Filed Aug. 28, 1922. Serial No. 584,637. 4 Claims. (Cl. 70—107.)



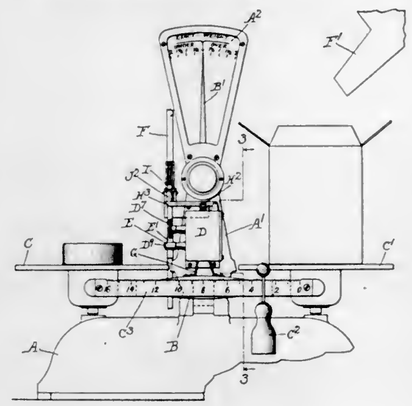
1. A lock comprising a case, a cylinder revolubly secured in said case and projecting above the top thereof, a locking arm within said case and carried by said cylinder, a key-barrel mounted in said cylinder, a key-hole cylinder mounted in said first named cylinder and surrounding the upper end of said key-barrel, and means for turning said key-barrel and said first named cylinder.

1,463,769. FLUID SEPARATOR. CLARENCE P. WOOD, Philadelphia, Pa. Filed Mar. 8, 1922. Serial No. 542,158. 3 Claims. (Cl. 183—113.)



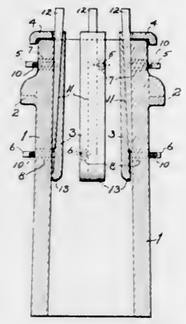
1. In a device of the class described, the combination with a cylindrical casing operatively closed at each end and having an inlet and an outlet, of a vertical partition within and extending diametrically of said casing and normal to the axis of the inlet, said partition having a plurality of vertically spaced, inverted V-shaped ridges on each of its sides and its upper extremity curved in the direction of said inlet, and a substantially horizontally disposed shelf extending beneath said partition provided with an upwardly curved transversely extending lip along its edge adjacent the inlet.

1,463,770. RECORDING SCALE. ADELMER M. BATES, Chicago, Ill. Filed Oct. 24, 1921. Serial No. 509,943. 16 Claims. (Cl. 234—1.)



1. In combination with a scale, means for recording each weighing, comprising a record strip and means for marking said strip once during each weighing, said recording means being adapted to indicate the variation of the weight weighed from a pre-determined norm by the variation in the location of the recording mark from a predetermined norm.

1,463,771. MEANS TO COMPRESS INGOTS. ALVIN A. CLAASSEN, Chicago, Ill. Filed Apr. 17, 1922. Serial No. 553,694. 4 Claims. (Cl. 22—67.)

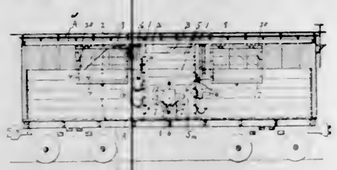


1. An ingot mold, a plurality of compression bars constructed to extend into the upper end of the mold and to cover the central portions of its sides, releasable means to hold the bars tight against the sides of the mold, and wedges constructed to be driven between the mold and bars to move the bars inwardly toward the center of the mold when their holding means are released.

1,463,772. GRAIN-CAR DOOR. WILBUR M. COMBS, Lyons, N. Y., assignor of one-half to Alton H. Sherman, Lyons, N. Y. Filed Jan. 17, 1922. Serial No. 529,829. 8 Claims. (Cl. 20—27.)

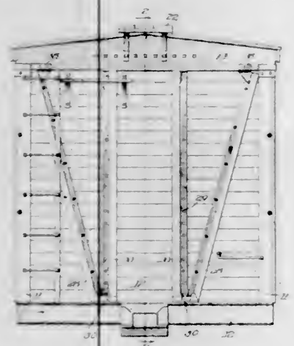
1. In a grain car having an opening in one side, a frame hinged to and within the car permanently at said side of the opening to swing toward and from the roof,

and a sectional door flexibly connected to the interior of the car to swing from the opening to the frame and vice



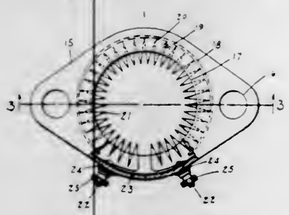
versa independently of said frame, said frame having means to support the door sections to swing therewith wholly at that side of the opening.

1,463,773. CAR-END CONSTRUCTION. IRA EVERETT, Sayre, Pa. Filed Oct. 16, 1917. Serial No. 196,939. 15 Claims. (Cl. 105—411.)



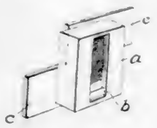
1. A car frame comprising, in combination, a substantially vertical beam of Z-shaped cross-section, a diagonal brace of Z-shaped cross-section, and a substantially horizontal beam, a shoe arranged on said horizontal beam, and a projection on said shoe of double Z-shaped cross-section projecting upwardly with respect to said horizontal beam, and means for clamping said projection to the ends of said vertical beam and said brace.

1,463,774. ELECTRIC HEATING ATTACHMENT FOR CARBURETORS. JOHN E. GODMAN and JOSEPH M. GARR, Lafayette, Ind.; said Garr assignor to said Godman. Filed Mar. 13, 1920. Serial No. 365,410. 3 Claims. (Cl. 219—38.)



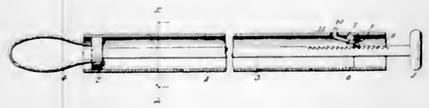
1. An electric heater for the intake of an internal combustion engine, comprising a body portion provided with a central intake opening therethrough for the passage of fuel to the engine, an annular electrical heating element surrounding said central opening and secured to the inner wall thereof, said element being arranged to extend partially into said opening and leave a central free passage therethrough.

1,463,775. COMBINED TILE STRUCTURE AND TOILET-PAPER HOLDER. HARRY N. GOLDSMITH, Philadelphia, Pa., assignor to Golco Sanitary System, Inc., Philadelphia, Pa., a Corporation of Delaware. Filed Dec. 19, 1921. Serial No. 523,413. 3 Claims. (Cl. 72—18.)



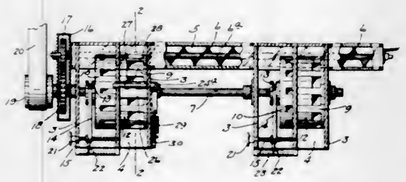
1. In a tile faced wall structure in which the tiles are laid in a prearranged order, a box-like structure covering a space on the wall of greater area than the space covered by a single tile, and a tile connected to said box laid between other tiles of the wall whereby said box is supported, the tile on the box being of the proper shape and size to form a portion of a prearranged design formed by the tiles.

1,463,776. HOG HOLDER AND PIG PULLER. EDWARD G. KNUDTSON, Stanton, Nebr., assignor to William Becker, Sidney, Nebr. Filed Aug. 25, 1921. Serial No. 495,198. 2 Claims. (Cl. 119—153.)



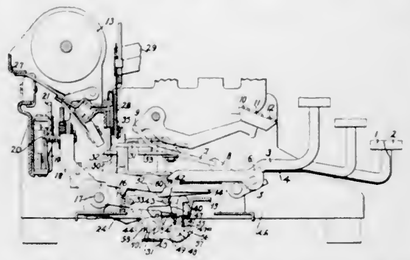
1. A device of the class described comprising a tubular member, a plunger therein comprising a head member slidably mounted in said tubular member, a rod engaged with said head member, a handle carried at the outer end of said rod, a flexible loop carried on said head member and adapted to project beyond the one end of said tubular member, a guide bar in the said tubular member, a ratchet formed on said rod adjacent the handle member and a spring operated pawl carried on said guide bar adapted to engage said ratchet to retain the plunger and loop in various adjusted positions.

1,463,777. PERCENTAGE FEEDER. ANGUS D. MACLELLAN, Owensboro, Ky., assignor to MacLellan Mixer Company, Owensboro, Ky., a Corporation of Kentucky. Filed Feb. 17, 1922. Serial No. 537,213. 7 Claims. (Cl. 83—44.)



1. In a feeder of the class described, the combination of a pair of spaced hoppers, a trough connecting said hoppers, a shaft extending transversely through said hoppers, cylindrical sections having complemental ribs and oblique pockets mounted on said shaft in each of said hoppers, said rib sections being movable relative to the pocket section, a guide rod journalled in each of said hoppers, a lever secured to said rod and engaging the rib sections for varying the width of said pockets, and means in said trough for commingling the stock as it issues from said hoppers.

1,463,778. TYPEWRITING MACHINE. WILLIAM H. HULSE, Brooklyn, N. Y., assignor to Underwood Typewriter Company, New York, N. Y., a Corporation of Delaware. Filed June 22, 1920. Serial No. 390,853. 21 Claims. (Cl. 197—83.)



20. In a typewriting machine, the combination with a traveling carriage, of letter-feeding type-keys, silent-keys, a letter-feed-controlling member universal to all of said keys to be operated thereby, a lock independent of said member for locking the latter in actuated position when the lock is made effective, means universal to the silent-keys but not to the letter-feeding keys for making the lock effective, and means universal to the letter-feeding keys but not to the silent-keys for making the lock ineffective.

1,463,779. ALTERNATING-CURRENT RECTIFIER. VERNON FRANKLIN KING, Tonawanda, N. Y., assignor to King Electric Manufacturing Company, Inc., Buffalo, N. Y., a Corporation of New York. Filed Feb. 5, 1921. Serial No. 442,677. 6 Claims. (Cl. 175—365.)

1. In an alternating current rectifier, the combination with a magnetic core, having pole pieces, of a support carrying the core and pole pieces, a separable vibratory unit arranged across the pole pieces and detachably carried by the support, the vibratory unit comprising a casing, a member secured to the casing, a second member carried by and insulated from the first member, a vibrating armature carried by the second member, contact means connected with the casing and



the armature, and means carried by the support for electrically connecting the members of the unit with the electric circuits of the rectifier.

1,463,780. COMPOSITION FOR COATING AND BONDING FABRICS. HERBERT FROOD, Chapel-en-le-Frith, England, assignor to Ferodo Limited, Chapel-en-le-Frith, England. Filed Mar. 21, 1923. Serial No. 626,642. 3 Claims. (Cl. 134—17.)

2. A composition for coating and bonding fabric consisting of substantially two parts of dammar gum, substantially one part of rubber, substantially two parts of prepared linseed oil, and substantially five parts of a mineral hydrocarbon solvent.

1,463,781. FILLER AND ACCELERATOR FOR RUBBER COMPOUNDS. AUGUSTUS WARREN GOULD, Mount Angel, Oreg.; Hazel Phelan executrix of said A. Warren Gould, deceased. Filed June 6, 1921. Serial No. 475,528. 1 Claim. (Cl. 106—23.)

A composition consisting of rubber and a filler consisting of calcined tuffaceous breccia which has been ground to a powder.

ALPHABETICAL LIST OF REGISTRANTS OF TRADE-MARKS.

Acorn Refining Company, The, Cleveland, Ohio. Waterproofing compound for building roofs. 169,931; July 3.

Actien-Gesellschaft für Anilin-Fabrikation, Berlin, Germany. Preparations for protecting animal substances against the noxious effects of chemicals. 169,799; July 3; Serial No. 170,232; published Mar. 27, 1923.

Advance Manufacturing Co., St. Louis, Mo. Two-wheeled children's coaster vehicles. 169,871; July 3; Serial No. 174,684; published Apr. 3, 1923.

Alice-Louise Co. (See Lynch, Alice L.)

American Plant Company. (See Head, Broadus J.)

Anthony Company, Streator, Ill. Vehicle bodies and parts. 169,915; July 3.

Ashaway Line & Twine Manufacturing Company, Ashaway, R. I. Fishing line. 169,935; July 3.

Associated Publishers of Iowa, The, Waterloo, Iowa. Periodically-issued literary supplements. 169,796; July 3; Serial No. 169,741; published Mar. 27, 1923.

Atlantic Refining Company, The, Philadelphia, Pa. Petroleum grease. 169,869; July 3; Serial No. 174,814; published Mar. 20, 1923.

Baker Paint & Varnish Co., Jersey City, N. J. Paints, varnishes, putties, dry colors, white lead, etc. 169,872; July 3; Serial No. 174,605; published Apr. 3, 1923.

Baker Paint & Varnish Co., Jersey City, N. J. Paint enamels. 169,873; July 3; Serial No. 174,604; published Apr. 3, 1923.

Barrett Company, The, New York, N. Y. Ready-mixed paint and paint thinner. 169,829; July 3; Serial No. 173,269; published Apr. 3, 1923.

Bela Company, The. (See Yorita, George.)

Benson, Thomas L., doing business as Shreveport Chemical Company, Shreveport, La. Material used to hasten the setting and lower the freezing point of cement. 169,922; July 3.

Bersted Manufacturing Company, Chicago, Ill. Locking door handles. 169,904; July 3; Serial No. 171,060; published Apr. 3, 1923.

Bissell, Lloyd, doing business as Star Piston Pin Co., Buffalo, N. Y. Piston pins. 169,888; July 3; Serial No. 155,427; published May 16, 1922.

Blakely, Harry C., New Britain, Conn. Potato chips. 169,773; July 3; Serial No. 168,913; published Apr. 3, 1923.

Bobwhite Chemical Corporation, New York, N. Y. Insecticides, bactericides, fungicides, etc., for plants. 169,791–2; July 3; Serial Nos. 168,953–4; published Mar. 27, 1923.

Boiler Scale Dissolvent Corp., Buffalo, N. Y. Compound for dissolving and removing scale and rust from boilers, etc. 169,780; July 3; Serial No. 172,318; published Mar. 27, 1923.

Bossard, Jean, doing business as Institut de Beaute Castiglione, Paris, France. Perfume, toilet water, face powder, rouge, etc. 169,909; July 3; Serial No. 170,618; published Mar. 6, 1923.

Bradford Dyers' Association, Limited, The, Bradford, England. Dyed cotton piece goods. 169,782; July 3; Serial No. 122,624; published Mar. 20, 1923.

Bradford Dyers' Association, Limited, The, Bradford, England. Cotton, artificial-silk, silk, and woolen piece goods and admixtures of same. 169,783; July 3; Serial No. 122,625; published Mar. 27, 1923.

Broome, Ernest L., New York, N. Y. Hydraulic gates. 169,858; July 3; Serial No. 172,028; published Apr. 10, 1923.

Buczkowski, John J., doing business as Hoosier Cleanser Mfg. Co., South Bend, Ind. Water-softening compound. 169,900; July 3; Serial No. 171,571; published Feb. 27, 1923.

Burke, Frank G., doing business as Manhattan Soap Company, New York, N. Y. Soap for toilet, bath, laundry, etc. 169,781; July 3; Serial No. 172,508; published Mar. 27, 1923.

Cameron, Will J., doing business as Cameron's Surgical Specialty Co., Chicago, Ill. Outfit of surgical and dental appliances. 169,893; July 3; Serial No. 160,928; published Mar. 27, 1923.

Canton Cutlery Co., The, assignor to The Canton Cutlery Company, Canton, Ohio. Pocket cutlery and razors. 19,480; renewed May 12, 1921.

Capitola Tonic Comb Co., New York, N. Y. Fountain combs capable of containing a liquid for passage through the hair. 169,827; July 3; Serial No. 173,463; published Apr. 3, 1923.

Caron Corporation. (See Daltroff, E., and Cie.)

Certified Laboratories, Inc., Newark, N. J. New fuel intensifier and carbon remover. 169,821; July 3; Serial No. 168,632; published Mar. 13, 1923.

Chappell, Alexander W., doing business as Dr. R. H. Kline Co., Red Bank, N. J. Medicinal preparation acting as a system cleanser and regulator. 169,834; July 3; Serial No. 173,030; published Mar. 6, 1923.

Chemische Fabriken vorm. Weiler-ter Meer, Uerdingen, Germany. Impregnating material for use as a preservative. 169,759–61; July 3; Serial No. 170,124–6; published Mar. 6, 1923.

Chicago Nipple Manufacturing Co., Chicago, Ill. Metal pipe nipples. 169,805; July 3; Serial No. 163,502; published Apr. 10, 1923.

Chicago Thrift Company, Chicago, Ill. Portable banks. 169,930; July 3.

Claresa Chemical Works. (See Smith, J. Elmer.)

Clark Tructractor Company, Buchanan, Mich. Tractors. 169,868; July 3; Serial No. 175,135; published Apr. 10, 1923.

Clarke Chemical Co., The, Kansas City, Mo. Medicine for the treatment of ulcerative and diseased conditions of the mouth and throat. 169,767; July 3; Serial No. 169,283; published Mar. 13, 1923.

Cleveland Twist Drill Company, The, Cleveland, Ohio. Metal-working small tools. 169,822; July 3; Serial No. 174,358; published Apr. 10, 1923.

Coleman and Company Limited, Norwich, England. Liquor or liquid preparation containing malt. 169,877; July 3; Serial No. 140,917; published Apr. 3, 1923.

Colgate & Company, Jersey City, N. J. Perfumes, perfume powders, and toilet waters. 169,757; July 3; Serial No. 171,201; published Mar. 27, 1923.

Collegian, The, Minneapolis, Minn. Neckties, cravats, scarfs, hats, caps. 169,881; July 3; Serial No. 148,973; published Apr. 3, 1923.

Columbian Steel Tank Company. (See Kramer, Andrew A.)

Congoleum Company. (See Salem Manufacturing Company, assignor.)

Connolly, Ira, doing business as Empire Chemical Co., Hanna, W. Va. Liniment. 169,901; July 3; Serial No. 171,485; published Mar. 13, 1923.

Cory, Chas. & Son, Inc., New York, N. Y. Ships' mechanical telegraph transmitter-indicator equipment. 169,921; July 3.

Creme-Petrol Company. (See Neiswender Lisle W.)

Daltroff, E., & Cie., doing business as Parfumerie Caron, Paris, France, assignor to Caron Corporation. Perfume, toilet water, rouges, etc. 169,938; July 3.

Dare, Charles F., & Son, Inc., Bridgeton, N. J. Medical compound for diseases of the stomach. 169,779; July 3; Serial No. 172,265; published Mar. 27, 1923.

Dealers Supply Company, Indianapolis, Ind. Motor oil. 169,944; July 3.

Delta Chemical Company. (See Harrison, Wilford.)

Dewma Company. (See McAllister, William E.)

Dixie Laboratories, Atlanta, Ga. Hair tonic. 169,885; July 3; Serial No. 154,015; published Nov. 28, 1922.

Dorfman & Miller, New York, N. Y. Coats for children, juniors, misses and ladies. 169,765; July 3; Serial No. 169,396; published Apr. 3, 1923.

Du Pont, E. I., de Nemours & Company, Wilmington, Del. Fungicide, seed disinfectant, general disinfectant. 169,853; July 3; Serial No. 172,263; published Mar. 13, 1923.

Dyer, B. H., Company, Philadelphia, Pa. Hot bottles for medical purposes. 169,772; July 3; Serial No. 169,053; published Apr. 3, 1923.

Eagle Picher Lead Company, The, Cincinnati, Ohio. Pure white lead. 169,906; July 3; Serial No. 170,757; published Apr. 3, 1923.

Elmer & Amend, New York, N. Y. Beaker tongs. 169,870; July 3; Serial No. 174,691; published Apr. 10, 1923.

Eisele & Co., Nashville, Tenn. Clinical thermometers, hypodermic and urethral syringes, eye droppers, etc. 169,826; July 3; Serial No. 173,959; published Apr. 3, 1923.

Empire Chemical Co. (See Connolly, Ira.)

Empire Shield Co., New York, N. Y. Dress shields. 169,890; July 3; Serial No. 159,308; published Mar. 27, 1923.

Enterprise Paint Mfg. Co., Chicago, Ill. Ready-mixed and paste paints, varnishes, and paint enamels. 169,825; July 3; Serial No. 174,001; published Apr. 3, 1923.

Evan Williams Company Limited, London, England. Shampoo powder. 169,908; July 3; Serial No. 170,715; published Mar. 6, 1923.

Fabrik Pharmacia M. Schmidt & Co. (See Schmidt, Gerhard F.)

Falstaff Corporation, St. Louis, Mo. Malt extract. 169,803; July 3; Serial No. 161,831; published Apr. 3, 1923.

Federal Cartridge Corporation, The, Minneapolis, Minn. Shotgun shells and cartridges. 169,923; July 3.

Fleckenstein, C. G., Co., Muskegon, Mich. Sole leather. 169,814; July 3; Serial No. 167,386; published Apr. 3, 1923.

Fox Furnace Company, The, Elyria, Ohio. Coal furnaces. 169,918; July 3.

Frees, H. E., Co., The, Chicago, Ill. Citrate of magnesia. 169,848; July 3; Serial No. 172,871; published Mar. 13, 1923.
General Electric Company, Schenectady, N. Y. Publication. 169,788; July 3; Serial No. 167,389; published Mar. 27, 1923.
Globe Rubber Tire Manufacturing Co., Trenton, N. J. Nonmetallic pneumatic tires and inner tubes. 169,865; July 3; Serial No. 175,589; published Apr. 3, 1923.
Godefroy, Charles W., St. Louis, Mo. Face powders and bleaches and liquid rouge. 169,879; July 3; Serial No. 142,840; published June 14, 1921.
Golding Fabrics Corporation, New York, N. Y. Piece goods made of silk. 169,800; July 3; Serial No. 170,277; published Mar. 27, 1923.
Goodrich, B. F., Company, The, New York, N. Y. Pneumatic-tire casings made of rubber combined with fabric. 169,849; July 3; Serial No. 172,472; published Apr. 3, 1923.
Grasselli Chemical Company, The, Cleveland, Ohio. Dyes and dyestuffs. 169,838; July 3; Serial No. 172,987; published Mar. 6, 1923.
Grasselli Chemical Company, The, Cleveland, Ohio. Dyes and dyestuffs. 169,839; July 3; Serial No. 172,986; published Apr. 3, 1923.
Greenfield's, E., Sons, New York and Brooklyn, N. Y. Chocolates and candies. 169,913; July 3; Serial No. 170,377; published Apr. 3, 1923.
Gross, L. N., Company, The, Cleveland, Ohio. Women's bloomers. 169,769; July 3; Serial No. 169,240; published Apr. 3, 1923.
Grunhagen's, San Francisco, Calif. Chocolate fruit bar 169,777; July 3; Serial No. 168,766; published Apr. 3 1923.
Guerra, M. G., Co. Inc., New York, N. Y. Table and bed linen, handkerchiefs, towels, curtains, etc. 169,862; July 3; Serial No. 175,786; published Apr. 3, 1923.
Guild Products Corporation, Philadelphia, Pa. Ink eradicator. 169,810; July 3; Serial No. 165,544; published Mar. 13, 1923.
Hardwick-Hutchins Manufacturing Company, Chattanooga, Tenn. Chemical used in the brazing and welding of metals. 169,806; July 3; Serial No. 164,163; published Mar. 13, 1923.
Harris, James G., doing business as Harris Chemical Company, Duluth, Minn. Liniment. 169,903; July 3; Serial No. 171,358; published Mar. 6, 1923.
Harrison, Wilford, doing business as Delta Chemical Company, Wichita Falls, Tex. Laxative or mild purgative pill preparation. 169,776; July 3; Serial No. 168,865; published Mar. 6, 1923.
Hawaiian Pineapple Company, Ltd., Honolulu, Hawaii, and San Francisco, Calif. Canned pineapple. 169,819; July 3; Serial No. 168,109; published Apr. 3, 1923.
Head, Broadus J., doing business as American Plant Company, Alma, Ga. Potato, cabbage, etc., plants, and sweet potatoes. 169,926; July 3.
Heller, B., & Company, Chicago, Ill. Disinfectant and deodorizer. 169,836; July 3; Serial No. 172,991; published Mar. 13, 1923.
Heller, B., & Company, Chicago, Ill. Chemical preparation for use in keeping sausage, kidneys, tongues, etc., in a good condition. 169,837; July 3; Serial No. 172,989; published Mar. 6, 1923.
Henning Wennersten Incorporated, Chicago, Ill. Malt extracts. 169,828; July 3; Serial No. 173,422; published Apr. 3, 1923.
Heroic Gum Remedy Company, Atlanta, Ga. Preparation for treatment of Riggs' disease, pyorrhea, ulcerated mouth, etc. 169,795; July 3; Serial No. 169,246; published Mar. 20, 1923.
Hiatt, Arthur R., Stockport, Iowa. Antiseptic capsules for women and antiseptic liniment for general pains. 169,817; July 3; Serial No. 167,982; published Mar. 6, 1923.
Hirschfelder & Meaney, San Francisco, Calif. Baggage—namely, trunks, grips, suitcases, etc. 169,924; July 3.
Hoenig, Morris J., Newark, N. J. Completely-printed books. 169,789; July 3; Serial No. 168,470; published Mar. 27, 1923.
Hoosier Cleanser Mfg. Co. (See Buczkowski, John J.)
Hudnut, Richard, New York, N. Y. Compact powders and rouge. 169,763–4; July 3; Serial No. 171,461–2; published Mar. 27, 1923.
Hunt, Chester L., Orange, Mass. Candy. 169,943; July 3.
Hunt-Lasher Company, Inc., Lynn, Mass. Alcohol torches. 169,919; July 3.
Hutchinson Manufacturing Co., Inc., Norristown, Pa. Combination woodworking machines. 169,856; July 3; Serial No. 172,094; published Apr. 10, 1923.
Huyler's, New York, N. Y. Candy, cocoa, chocolate, etc. 169,758; July 3; Serial No. 135,754; published Mar. 27, 1923.
Indianapolis Abattoir Company, Indianapolis, Ind. Hams, shoulders, bacon, sausage, etc. 169,929; July 3.
Institut de Beaute Castiglione. (See Bossard, Jean.)
Jean Jordeau Inc., South Orange, N. J., and New York, N. Y. Skin lotions and creams. 169,775; July 3; Serial No. 168,893; published Mar. 6, 1923.
Joannes Bros. Co., Green Bay, Wis. Jar rubbers. 169,846; July 3; Serial No. 172,880; published Apr. 3, 1923.
Joannes Bros. Co., Green Bay, Wis. Bluing, laundry starch, baking powder, and lye. 169,847; July 3; Serial No. 172,879; published Mar. 13, 1923.
Johnston United Chemical Co., Inc., Clare, Mich. Fly and insect mist. 169,749; July 3; Serial No. 172,224; published Mar. 27, 1923.
Jordan Marsh Company, Boston, Mass. Men's hats, caps, shirts, underwear, etc. 169,763; July 3; Serial No. 169,490; published Apr. 3, 1923.
Kalina Company, Buffalo, N. Y. Medicinal tablets for disorders of the stomach and bowels, face and skin lotions, etc. 169,771; July 3; Serial No. 169,169; published Mar. 6, 1923.
Kanders Pharmacal Co., New York, N. Y. Toilet preparation for softening and whitening chapped and rough skin. 169,844; July 3; Serial No. 172,882; published Mar. 13, 1923.
Kansas-Texas Petroleum Co., The, Wichita, Kans. Lubricating and heat, power, and light producing oils, and gasoline. 169,916; July 3, 1923.
King Coal Company, San Francisco, Calif. Coal. 169,816; July 3; Serial No. 167,966; published Apr. 3, 1923.
Kleen Products Co. (See Tietjen, G. D.)
Kline, Dr. R. H., Co. (See Chappell, Alexander W.)
Knox, Albert W., Los Angeles, Calif. Laxative powders. 169,942; July 3.
Kramer, Andrew A., doing business as Columbian Steel Tank Company, Kansas City, Mo. Sheet metal tanks. 169,932; July 3.
Laboratorium Leo. (See v. Mayenburg, Ottomar H.)
Lambert, Cecil H., Buffalo, N. Y. Device for opening and closing fruit jars and containers. 169,927; July 3.
Lawrence, William, & Co., Limited, Colwick, England. Furniture and upholstery. 169,875; July 3; Serial No. 134,969; published Apr. 3, 1923.
Lee, Virgil, Toronto, Ontario, Canada. Greaseless hair dressing and tonic. 169,887; July 3; Serial No. 155,353; published Mar. 6, 1923.
Leech, Arthur L., Co., The, Kennebunk, Me. Flavorings and extracts. 169,892; July 3; Serial No. 160,889; published Apr. 3, 1923.
Lightfoot Schultz Company, Hoboken, N. J. Face powders and creams, perfumes, toilet waters, rouges, etc. 169,845; July 3; Serial No. 172,947; published Mar. 13, 1923.
Lips Specialty Candy Co. (See Lipschultz, Louis L.)
Lipschultz, Louis L., doing business as Lips Specialty Candy Co., Chicago, Ill. Candy. 169,766; July 3; Serial No. 169,311; published Apr. 3, 1923.
Lousols Philadelphia, Philadelphia, Pa. Ladies', women's, and misses' gowns, wraps, dresses, coats, etc. 169,774; July 3; Serial No. 168,901; published Apr. 3, 1923.
Luckel, King & Cake Soap Company, Portland, Oreg. Laundry soap. 169,936; July 3.
Lynch, Alice L., doing business as Alice-Louise Co., New York, N. Y. Face creams and powders, perfumes, toilet waters, rouges, etc. 169,843; July 3; Serial No. 172,950; published Mar. 13, 1923.
McAllister, William E., doing business as Dewma Company, South Bend, Ind. Gallstone medicine. 169,899; July 3; Serial No. 171,585; published Mar. 13, 1923.
McDevitt, Leo R., Pawtucket, R. I. Visible traffic signals for motor vehicles. 169,914; July 3.
Malone, Annie M., doing business as Poro College, St. Louis, Mo. Liquid and ointment preparations for promoting the growth of the hair, shampoo, etc. 169,751; July 3; Serial No. 171,464; published Mar. 27, 1923.
Manhattan Soap Company. (See Burke, Frank G.)
Marshall Field & Company, Chicago, Ill. Lingerie trimming, fancy braids, etc. 169,880; July 3; Serial No. 146,534; published Feb. 21, 1922.
Marshall Field & Company, Chicago, Ill. Sateen in the piece. 169,933; July 3.
Maybreath Company, Chicago, Ill. Purifying deodorant for mouth and stomach. 169,857; July 3; Serial No. 172,050; published Mar. 13, 1923.
Maynard Coal Company, The, Columbus, Ohio. Bituminous coal. 169,889; July 3; Serial No. 158,191; published Apr. 3, 1923.
Mayo, Jesse W., Osage City, Kans. Face lotion. 169,907; July 3; Serial No. 170,722; published Mar. 6, 1923.
Meller, Alice R., doing business as The Sani Scalp Co., Pittsburgh, Pa. Preparation for treatment of dandruff and other disorders of the scalp. 169,768; July 3; Serial No. 169,253; published Mar. 13, 1923.
Meyer, Theodore, Philadelphia, Pa. Insecticide and disinfecting deodorant. 169,861; July 3; Serial No. 171,738; published Mar. 20, 1923.
Meyer, Theodore, Philadelphia, Pa. Insecticide. 169,894–5; July 3; Serial Nos. 171,736–7; published Mar. 20, 1923.
Meyer, Theodore, Philadelphia, Pa. Preparation for exterminating rodents and vermin. 169,896; July 3; Serial No. 171,735; published Mar. 20, 1923.
Meyer, Theodore, Philadelphia, Pa. Ant-poisoning compound. 169,897; July 3; Serial No. 171,734; published Mar. 30, 1923.
Millar, Geo. W., & Co., Inc., New York, N. Y. Wrapping paper. 169,823; July 3; Serial No. 174,319; published Mar. 27, 1923.
Mitchely, William E., Williamsport, Pa. Medicine used in the treatment of cancer. 169,785; July 3; Serial No. 154,229; published Mar. 27, 1923.

Moser & Co. Inc., New York, N. Y. Bating material used in tanning leather. 169,833; July 3; Serial No. 173,101; published Apr. 3, 1923.
Murato Company, The, New York and New Brighton, N. Y. Wall size in dry powder form. 169,830; July 3; Serial No. 173,201; published Apr. 3, 1923.
Nakamura, Shiro, Los Angeles, Calif. Tablets to be used in the treatment of heart disease, rheumatism, etc. 169,882; July 3; Serial No. 153,686; published Mar. 13, 1923.
National Twist Drill & Tool Company, Detroit, Mich. Milling cutters. 169,920; July 3.
Neiswender, Lisle W., doing business as Creme-Petrol Company, Columbus, Ohio. Medicinal oils. 169,884; July 3; Serial No. 154,700; published Mar. 13, 1923.
Nickels Manufacturing Company, Bristol, Va. Ladies', misses', and children's dresses. 169,770; July 3; Serial No. 169,179; published Apr. 3, 1923.
North American Fur Dyeing Company, Newark, N. J. Fur skins. 169,859; July 3; Serial No. 171,883; published Apr. 3, 1923.
Owl Drug Company, The, San Francisco, Calif. Canvas-shoe dressing and cleaner. 169,934; July 3.
P. & S. Laboratories. (See Stinson, Lyman A.)
Pacific Mills, Lawrence and Boston, Mass. Cotton piece goods. 169,864; July 3; Serial No. 175,677; published Apr. 3, 1923.
Paramount Lens Corporation. (See Tromba, Marius H.)
Parfumerie Caron. (See Daltroff, E., & Cie.)
Parfumerie Pavane, New York, N. Y. Bath powders. 169,790; July 3; Serial No. 168,900; published Mar. 20, 1923.
Parfumerie Roger et Gallet, Paris, France. Pastes and powders for beautifying and preserving the teeth, skin, and hair, and perfumery. 169,832; July 3; Serial No. 173,141; published Mar. 20 1923
Parkview Pharmacy. (See Smolinsky, Phillip.)
Pedersen, Johannes T., New York, N. Y. Coffee-bag supports as used in coffee urns. 169,850; July 3; Serial No. 172,432; published Apr. 10, 1923.
Perceval, C., New York, N. Y. Canned soups, truffles, cherries, turtle meat. 169,940; July 3.
Phospho-Albumen Company, Incorporated, The, Newburgh, N. Y. Pharmaceutical preparations for the treatment of nervous diseases, etc. 169 831; July 3; Serial No. 173,146; published Mar. 13, 1923.
Phospho-Albumen Company, Inc., The, Newburgh, N. Y. Pharmaceutical preparation for strengthening the genital glands, etc. 169,835; July 3; Serial No. 173,005; published Mar. 6, 1923.
Pine Balm Company, The, Shady Dale, Ga. Antiseptic oil for all pains, influenza, asthma, etc. 169,941; July 3.
Poro College. (See Malone, Annie M.)
Radio Waves Publishing Co., Portland, Oreg. Name of a monthly magazine. 169,797; July 3; Serial No. 169,825; published Mar. 27, 1923.
Raffetto, G. B., Inc., New York, N. Y. Sweet-pickled watermelon rind. 169,762; July 3; Serial No. 169,561; published Apr. 3, 1923.
Ramapo Ajax Corporation, New York, N. Y. Track frogs, crossings, guard rails, etc. 169,851; July 3; Serial No. 172,395; published Apr. 10, 1923.
Re-Al-Jo Products Company, Waterloo Iowa. Cosmetics including creams, powders, rouges, etc. 169,842; July 3; Serial No. 172,959; published Mar. 13, 1923.
Redland Citrus Growers Association, Homestead, Fla. Fresh citrous fruits. 169,818; July 3; Serial No. 168,068; published Apr. 3, 1923.
Regua Bros., Cold Spring Harbor, N. Y. Baking powder. 169,801; July 3; Serial No. 170,833; published Mar. 27, 1923.
Romeo, Dominick, Paterson, N J. Palliative for venereal diseases. 169 911; July 3; Serial No. 170,449; published Mar. 6, 1923.
Rubber Service Laboratories Company, The, Akron, Ohio. Accelerators, fillers, pigments, etc., used in the compounding of rubber articles. 169,902; July 3; Serial No. 171,469; published Feb. 27, 1923.
Salem Manufacturing Company, Salem, N. J., and New York, N. Y., assignor to Congoleum Company, Inc., Philadelphia, Pa. Floor coverings. 169,824; July 3; Serial No. 174,153; published Apr. 3, 1923.
Sanborn Weatherwear Coat Co., Inc., New York, N. Y. Coats, capes, mantles, and raincoats. 169,937; July 3.
Sani Scalp Co., The. (See Meller, Alice R.)
Schmidt, Gerhard F., doing business as Fabrik Pharmacia M. Schmidt & Co., Munich, Germany. Medicinal tablets for use as a general tonic. 169,876; July 3; Serial No. 137,033; published Mar. 6, 1923.
Schwarz, Max, Textile Corporation, New York, N. Y. Voile in the piece. 169,905; July 3; Serial No. 170,795; published Mar. 27, 1923.
Schwerin, Albert A., sr., Kingman, Ariz. Medicinal preparation for the treatment of toothache and pyorrhea. 169,855; July 3; Serial No. 172,124; published Mar. 6, 1923.
Scott & Fetzer Company, The, Cleveland, Ohio. Carpet sweepers. 169,917; July 3.
Segerstrom, Emil B., Anaheim, Calif. Soap, soap paste and powder. 169,755; July 3; Serial No. 171,390; published Mar. 27, 1923.
Sexauer, J. A., Mfg. Co., New York, N. Y. Rubber cushions, washers, packings, gaskets, etc. 169,925; July 3.
Sexton, John, and Company, Chicago, Ill. Baking powder, table salt, fruit and vegetable coloring, lye, glycerin, etc. 169 883; July 3; Serial No. 153,696; published Mar. 6, 1923.
Shaw, William T., doing business as Shoemaco Mfg. Co., Bellevue, Ohio. Foot powder. 169,786; July 3; Serial No. 155,709; published Mar. 20, 1923.
Shell Company of California, San Francisco, Calif. Gasoline. 169,945; July 3.
Shoemaco Mfg. Co. (See Shaw, William T.)
Shores-Mueller Company, Cedar Rapids, Iowa. Pharmaceutical and medicinal preparations for treating animals, antiseptics, germicides, etc. 169,841; July 3; Serial No. 172,962; published Mar. 13, 1923.
Shreveport Chemical Company. (See Benson, Thomas L.)
Slattery, Samuel C., Port Angeles, Wash. Insecticides. 169,912; July 3; Serial No. 170,408; published Mar. 6, 1923.
Smith & Hemmenway Company, New York, N. Y., and Irvington, N. J. Augers, automobile tire irons, awls, axes, etc. 169,874; July 3; Serial No. 125,806; published Nov. 9, 1920.
Smith, J. Elmer, doing business as Claresa Chemical Works, Irwin, Pa. Metal and working board polishes, tile, and marble cleaner and soap chips. 169,793; July 3; Serial No. 169,036; published Mar. 27, 1923.
Smith, James R., Dayton, Ohio. Hair restorer. 169,802; July 3; Serial No. 168,652; published Mar. 13, 1923.
Smolinsky, Phillip, doing business as Parkview Pharmacy, Kansas City, Mo. Ice cream. 169,812; July 3; Serial No. 166,725; published Apr. 3, 1923.
Societe Anonyme la Biotherapie, (Societe Anonyme de Produits Chimiques Biologiques et d'Hygiene), Paris, France. Dentifrices. 169,756; July 3; Serial No. 171,289; published Mar. 27, 1923.
Societe des Produits Chimiques Speciaux Brevets Lumiere, Lyon, France. Medicine used as a calmant in antispasmodic. 169,860; July 3; Serial No. 171,821; published Mar. 20, 1923.
Southern Laboratories, Inc., Atlanta, Ga. Liquid tonic. 169,750; July 3; Serial No. 172,064; published Mar. 27, 1923.
Standard Laboratories, Inc., Los Angeles, Calif. Pomades for the hair. 169,867; July 3; Serial No. 175,222; published Mar. 13, 1923.
Standard Oil Company, Whiting, Ind., and Chicago, Ill. Wool oil used for cleansing or washing the wool after it is sheared from the sheep. 169,898; July 3; Serial No. 171,665; published Mar. 13, 1923.
Star Piston Pin Co. (See Bissell, Lloyd.)
Stevens & Company, Inc., Providence, R. I. Ophthalmic mountings and parts thereof. 169,866; July 3; Serial No. 175,224; published Apr. 10, 1923.
Stinson, Lyman A., doing business as P. & S. Laboratories, Sandwich, Ill. Preparation for the treatment of the eyes. 169,854; July 3; Serial No. 172,243; Mar. 6, 1923.
Swan, May E., doing business as Madame J. E. Swan, New York, N. Y. Hair gloss and grower. 169,778; July 3; Serial No. 168,737; published Mar. 13, 1923.
Tietjen, George D., doing business as Kleen Products Co., Hasbrouck Heights, N. J. Germicide scalp-cleanser. 169,764; July 3; Serial No. 169,459; published Mar. 6, 1923.
Tromba, Marius H., doing business as Paramount Lens Corporation, Brooklyn, N. Y. Photographic, projecting, and optical lenses. 169,804; July 3; Serial No. 162,327; published Apr. 10, 1923.
Tropical Worsted Company, Inc., New York, N. Y. Tropical worsted piece goods. 169,798; July 3; Serial No. 169,836; published Mar. 27, 1923.
Tuxedo Shirt Co. Inc., New York, N. Y. Silk piece goods. 169,928; July 3.
Tuxedo Shirt Co., Inc., New York, N. Y. Silk piece goods and crêpe piece goods. 169,939; July 3.
United Retail Chemists Corporation, New York, N. Y. Tooth paste. 169,784; July 3; Serial No. 149,039; published Mar. 27, 1923.
United Retail Chemists Corporation, New York, N. Y. Emulsion of cod-liver oil, sirup of white pine and tar, aspirin, etc. 169,886; July 3; Serial No. 154,773; published Mar. 13, 1923.
V. Maynburg, Ottmar H., doing business as Laboratorium Leo, Dresden, Germany. Tooth paste and powder, and mouth wash. 169,787; July 3; Serial No. 156,996; published Mar. 27, 1923.
Vail Brothers, Philadelphia, Pa. Pomade for the scalp and hair. 169,809; July 3; Serial No. 165,048; published Mar. 13, 1923.
Verein für Chemische und Metallurgische Produktion, Aussig, Czechoslovakia. Decolorizing charcoal for use for mineral and vegetable oils. 169,813; July 3; Serial No. 167,372; published Mar. 13, 1923.
Victor-American Fuel Company, The, Portland, Me., and Denver, Colo. Coal. 169,807; July 3; Serial No. 164,472; published Apr. 3, 1923.

Victor-American Fuel Company, The, Portland, Me., and Denver, Colo. Coal. 169,808; July 3; Serial No. 164,476; published Apr. 3, 1923.
Victory V Belt Co., Catasauqua, Pa. Link belts. 169,815; July 3; Serial No. 167,744; published Apr. 10, 1923.
Viller & Frost, Paris, France. Furniture and automobile polish. 169,891; July 3; Serial No. 159,449; published Apr. 3, 1923.
Vitro Manufacturing Company, The, Pittsburgh, Pa. Ready-prepared ceramic glazes and enamels. 169,820; July 3; Serial No. 168,625; published Apr. 3, 1923.
W. V-B. Ames Company, The, Freemont, Ohio. Dental cement. 169,863; July 3; Serial No. 175,696; published Apr. 3, 1923.
Welch, C. S., Company, The, New York, N. Y. Perfumed addition for the bath. 169,910; July 3; Serial No. 170,599; published Mar. 13, 1923.
Wlarda & Hall Acid Works, Inc., Brooklyn, N. Y. Heavy chemicals and acids. 169,794; July 3; Serial No. 169,106; published Mar. 20, 1923.
Wing Lee Wai Company, San Francisco, Calif. Medicinal herb preparation used as a general tonic. 169,852; July 3; Serial No. 172,304; published Mar. 6, 1923.
Wollgarnfabrik Fulda G. m. b. H., Fulda, Germany. Wool yarn. 169,752; July 3; Serial No. 171,677; published Mar. 27, 1923.
Wright Accessories Corporation, Atlanta, Ga. Locking device for automobiles that functions by engaging the flywheel through the transmission. 169,878; July 3; Serial No. 137,984; published Apr. 12, 1921.
Wykoff Company, The, Wheeling, W. Va. Cough medicine. 169,840; July 3; Serial No. 172,964; published Mar. 13, 1923.
Yorita, George, doing business as The Bein Company, Las Angeles, Calif. Perfumes. 169,811; July 3; Serial No. 166,617; published Mar. 6, 1923.

ALPHABETICAL LIST OF TRADE-MARK APPLICANTS.

PUBLISHED FOR OPPOSITION.

[Act of Feb. 20, 1905, Sec. 6, as amended Mar. 2, 1907.]

A. & S. Levy Co., New York, N. Y. Dresses, women's robes and gowns, suits, coats, and waists. 172,001; July 3.
Abbott, Hall & Co., also doing business as John Braadland Ltd. and Venus Packing Co. Canned fish. 177,580; July 3.
Adolph Coors Company, The, Golden, Colo. Bakers' sirup used in making bread and similar articles of food made from malt and corn. 166,591; July 3.
Alert Manufacturing Company. (See Haeseler, Charles H.)
Allen & Lewis, Portland, Oreg. Canned fruits and vegetables. 174,379; July 3.
American Cutlery Company, Chicago, Ill. Table knives of base metal. 149,621; July 3.
Associated Merchandising Corporation, Newark, N. J., and New York, N. Y. Tape. 178,704; July 3.
Associated Merchandising Corporation, Newark, N. J., and New York, N. Y. Dress shields. 178,705; July 3.
Atlas Hammock Co., New York, N. Y. Couch hammocks and stands therefor. 173,048; July 3.
Aut-O-Luk Card Co. (See Storgaard, Henry.)
Auth, N., Prov. Co., Washington, D. C. Bovine and swinish and mutton meats and meat products. 162,092–3; July 3.
Bachman, Jacob, doing business as J. Bachman & Co., New York, N. Y. Leather belting. 177,760; July 3.
Baldacci, Valentino, doing business as Laboratorio Chimico Farmaceutico V. Baldacci, Pisa, Italy. Pharmaceutical preparations for coughs, whooping cough, etc. 170,921; July 3.
Banks, Llewellyn A., doing business as Citrus Growers Cash Association, Los Angeles, Calif. Fresh citrous and deciduous fruits. 161,959; July 3.
Barash Brothers, Inc., New York, N. Y. Rickrack braid and shirred ribbon elastic. 180,738; July 3.
Barber Asphalt Paving Company, The, Philadelphia, Pa. Asphalt and paving materials containing asphalt. 163,965; July 3.
Bayside Canning Company, Alviso, Calif. Tomato hot sauce, canned vegetables, fruits, and fish. 165,339; July 3.
Beveridge, Melvin H., doing business as Fever Nox Company, Bayles, Calif. Ointments, influenza medicine, laxative tablets, etc. 160,240; July 3.
Bloom Sublyme Shoe Co., Inc., New York and Brooklyn, N. Y. Boots, shoes, slippers, and sandals. 171,524; July 3.
Blum, Isaac, New York, N. Y. Cigarettes. 178,213; July 3.
Bon-Tober Sporting Goods Co., The, Hartford, Conn. Baseballs and baseball gloves. 179,394; July 3.
Boye Needle Co., The, Chicago, Ill. Key chains. 179,773; July 3.
Boykin Machinery & Supply Co., Beaumont, Tex. Oil-well machinery and tools. 174,062; July 3.
Braadland, John, Ltd. (See Abbott, Hall & Co.)
Bradley-Wise Paint Co., Los Angeles, Calif. Paints, varnishes, paint enamels, and dry pigment. 180,732; July 3.
British America Nickel Corp'n Ltd., Ottawa, Ontario, Canada. Nickel sulphate. 143,977; July 3.
British America Nickel Corp'n Ltd., Ottawa, Ontario, Canada. Nickel ammonium sulphate. 143,978; July 3.
Brown, C. C., Candy Co., Los Angeles, Calif. Chocolate candy. 169,279; July 3.
Bruns, A., & Sons, Brooklyn, N. Y. Furniture-moving pads, tents, tarpaulin, awnings, etc. 175,544; July 3.
Buffalo Specialty Company, Buffalo, N. Y. Chemical compositions for removing carbon from internal-combustion engines and the like. 161,522; July 3.
Burrell, D. V., doing business as The Rocky Ford Melon Growers Spray Manufacturing Co., Rocky Ford, Colo. Insecticide. 175,207; July 3.
Butterfield, Charles F., doing business as Dinamite Cleaner Corporation, Salina, Kans. Cleaning compound for hand, kitchen, laundry, etc., purposes. 175,596; July 3.
Caldwell & Company, Nashville, Tenn. Booklets and bonds. 173,562; July 3.
Caldwell, W. A., Camino, Calif. Fresh deciduous fruits. 169,236; July 3.
Calkins, A. Genevieve, doing business as South Norwalk Evening Sentinel, South Norwalk, Conn. Newspaper and magazine articles, prints, and publications. 178,162; July 3.
Campfire Manufacturing Company, St. Louis, Mo. Devices for supporting cooking utensils, etc., over an open fire. 155,737; July 3.
Causse Manufacturing & Importing Co., Boundbrook, N. J., and New York, N. Y. Pineapple glacé, glacé assorted fruits, crystallized ginger. 177,274; July 3.
Chadwin, Leo L., doing business as Protection Tire & Rubber Company, Philadelphia, Pa. Rubber tires and inner tubes. 179,030; July 3.
Chase Foundry and Manufacturing Company, The, Columbus, Ohio. Elevating and conveying, special factory charging, etc., trucks and cars. 165,668; July 3.
Chinook Packing Co., Chinook, Wash. Canned salmon. 172,975; July 3.
Citrus Growers Cash Association. (See Banks, Llewellyn.)
Clinton Copeland Co., Burlington, Iowa. Chocolate candies. 162,532; July 3.
Cobb, Richard H., doing business as The Yeast-O-Mint Co., Cleveland, Ohio. Chewing gum. 155,253; July 3.
Colonial Works, Brooklyn, N. Y. Paste paint and ready-mixed paint. 180,097; July 3.
Coney-Cone Company., The. (See Goodwin, Harry L.)
Corson Shoe Manufacturing Company, Ltd., Toronto, Ontario, Canada. Boots and shoes of leather. 171,205; July 3.
Cotera, Francisco, doing business as The Cotera Brothers, El Paso, Tex. Coffee. 168,208; July 3.
Crawford, McGregor & Canby Company, The, Dayton, Ohio. Golf clubs. 171,623; July 3.
Crawford, Marion L., Malvern, Ohio. Screen scratcher and rubber for use in making bricks, tiles, etc. 173,813; July 3.
Delta Export Lumber Corporation, Memphis, Tenn. Logs. 178,496; July 3.
Denney & Co., Yakima, Wash. Fresh apples. 166,657; July 3.
Dietzgen, Eugene, Co., Chicago, Ill. Ruling, detail ruling, railroad, curve, etc., pens. 175,136; July 3.
Dinamite Cleaner Corporation. (See Butterfield, Charles F.)
Diozone Company. (See Merritt, Hiram.)
Eagle Carburetor Company, The, Cleveland, Ohio. Carburetors and structural parts and fittings therefor. 178,434; July 3.
Eddy, D., and Sons Company, Boston, Mass. Refrigerating apparatus. 179,994; July 3.
Elgot and Giuntini, New York, N. Y. Maltless soda fountain sirups for soft drinks. 177,659; July 3.
Elmer Candy Co., Inc., New Orleans, La. Candy. 175,077; July 3.
Elmer Candy Co., Inc., New Orleans, La. Candy. 175,229; July 3.
Escondido Citrus Union, Escondido, Calif. Fresh oranges and lemons. 177,369; July 3.
Esperson, Niles, doing business as Mid-Continent Clay Company, Peru, Kans. Building bricks and roofing tile. 171,586; July 3.
Euclid Candy Co., The, Cleveland, Ohio. Candy. 176,171; July 3.

PUBLISHED FOR OPPOSITION.

[Act of Feb. 20, 1905, Sec. 6, as amended Mar. 2, 1907.]

Excelsior Underwear Co. Inc., New York, N. Y. Athletic underwear and pyjamas and shirts for men and boys. 171,910; July 3.
Farbwerke vorm. Meister Lucius & Bruning, Hochst-on-the-Main, Germany. Preparations for treatment of fever, polyarthritis, etc. 175,078; July 3.
Feeser, A. W., doing business as A. W. Feeser & Co., Westminster, Silver Run, and Taneytown, Md. Canned vegetables. 174,615; July 3.
Fever Nox Company. (See Beveridge, Melvin H.)
Florida Products Company, Inc., New York, N. Y. Maltless carbonated beverages sold as soft drinks. 178,032; July 3.
Foamite-Childs Corporation, Utica, N. Y. Fire-extinguishing apparatus. 178,984; July 3.
Foster, Robert V. (See Reish, George L., assignor.)
Fowler & Slater Co., The, Cleveland, Ohio. Photographic prints. 178,380; July 3.
Franklin-Caro Company, Inc., Richmond, Va. Chewing gum. 101,984; July 3.
Franklin Railway Supply Company, New York, N. Y. Auxiliary engines for locomotives. 166,825; July 3.
French Mfg. Co. (See Smuckler, K.)
Friedman & Krieger, New York, N. Y. Cotton fabrics. 179,528; July 3.
Garley Steel Company. (See Hird, Roy G.)
Gillen-Cole Co., Portland, Oreg. Asbestos mats. 171,312; July 3.
Giocalas, The, & V. Coyimzoglu, New York, N. Y. Dates. 174,438; July 3.
Goldman, Harry W., doing business as The Harry W. Goldman Co., Baltimore, Md. Middy blouses, ladies', children's, and misses' dresses, knickers, boys' suits, etc. 177,484; July 3.
Goodwin, Harry L., doing business as The Coney-Cone Company, assignor to C. G. Rowan, Kansas City, Mo. Ice-cream cones. 165,258; July 3.
Goodyear Tire & Rubber Company, The, Akron, Ohio. Airships, balloons, kites, aviation and aeronautical accessories. 164,498; July 3.
Haeseler, Charles H., doing business as Alert Manufacturing Company, Philadelphia, Pa. Condiment containers. 172,834; July 3.
Hall, A. G., doing business as Hall Rod Works, Highland Mills, N. Y. Fishing lines, rods, snelled hooks, and leaders. 180,065; July 3.
Hammer-Bray Company, Oakland, Calif. Cookstoves, ranges, etc. 160,604; July 3.
Harmouth, Gust, Yale, Okla. Photographic prints. 175,392; July 3.
Harris, William E., Asheville, N. C. Cleaning and polishing combination for leather goods. 176,180; July 3.
Hasty, M. A., Richmond, Ind. Candy. 175,492; July 3.
Haynes, George A., Inc., Boston, Mass. Caps or closures for receptacles. 180,762; July 3.
Hird, Roy G., doing business as Garley Steel Company, Chicago, Ill. Steel sheets, bars, and plates. 176,127; July 3.
Hockaday Company, The, Chicago, Ill. Wall finishes and reducers. 179,940; July 3.
Holland Canning Company, Holland, Mich. Canned fruits and vegetables. 171,917; July 3.
Hoyt, F. M., doing business as F. M. Hoyt & Co., Amesbury, Mass. Salted peanuts and peanut butter. 171,320; July 3.
Hudson Manufacturing Company, Chicago, Ill. Flavoring extracts for food. 165,493; July 3.
Hudson Motor Specialties Company, Philadelphia and Frankford, Pa. Transmission or crank casing parts. 158,677; July 3.
Indianapolis Abattoir Company, Indianapolis, Ind. Hams, shoulders, bacon, sausage, tongues, dried beef, jowls, butts, and lard. 177,380; July 3.
Ironall Factories Co., The, Cincinnati, Ohio. Overalls, coats, pants, jumpers, combination one-piece suits, and pantaloons for men, and play suits for children. 164,707; July 3.
Italian Macaroni Production Co. (See Molinelli, Charles.)
Jaedike, Henry W., New York, N. Y. Ladies' hats. 177,300; July 3.
James, John, & Sons Limited, Redditch, England. Needles for hand sewing. 178,105; July 3.
Johnson-Locke Mercantile Co., The, San Francisco, Calif. Canned and dried fruits and vegetables. 168,314; July 3.
Johnston, R. F., Paint Company, The, Cincinnati, Ohio. Decorating outfits. 176,631; July 3.
Karlin, Hyman, doing business as H. Karlin Co., New York, N. Y. Olive oil. 176,550; July 3.
Keane Provision Co., Washington, D. C. Sausage and sausage meat. 175,085; July 3.
Kehoe Preserving Company, Terre Haute, Ind. Vegetable seeds. 176,521; July 3.
Kennard, Victor P., Greenland, N. H. Jellies. 176,130; July 3.
King's Food Products Co., Portland, Oreg. Canned and dehydrated fruits and vegetables. 171,129; July 3.
Kistler Leather Company, South Boston, Mass. Leather. 175,991; July 3.
Kleinert, I. B., Rubber Company, New York, N. Y. Dress shields. 179,104; July 3.
Klug, William, Brooklyn, N. Y. Ice-cream preparation. 174,696; July 3.
Knitted Textiles Corporation, New York, N. Y., and Allentown, Pa. Woven and knitted textile fabrics in the piece and cotton and wool piece goods. 179,798–9; July 3.
Knitwear Manufacturing Co., Inc., Brooklyn, N. Y. Knitted sweaters and dress skirts. 157,431; July 3.
Knothe Brothers Co., Inc., New York, N. Y. Pyjamas, dress and negligee shirts, nightshirts, and men's robes. 171,422; July 3.
Kolkebeck, John F., New York, N. Y. Leather shoes. 175,723; July 3.
Krippendorf-Tuttle White Cliff Products Co., The, Cincinnati, Ohio. Ground limestone, chalk whiting, chalk, asphalt filler, and whiting. 176,482; July 3.
Kumamoto, Miyakichi, doing business as Kumamoto Fish Co., Seattle, Wash. Fish cakes and canned fish. 175,015; July 3.
Kummer, Upmann & Co., New York, N. Y. Cotton piece goods. 179,608; July 3.
Levi Strauss & Co., San Francisco, Calif. Men's, youths', and boys' shirts. 153,477; July 3.
Lewis, James H., doing business as Lewis Economic Co. (Not Inc.), Chicago, Ill. Vegetable and mineral compound for neutralizing lactic acids in whipping cream and eggs. 175,253; July 3.
Lilly, Eli, & Company, The, Indianapolis, Ind. Medicinal preparation to be used as a laxative or cathartic. 161,366; July 3.
Lowney, Walter M., Company, Boston, Mass. Candy. 177,235; July 3.
Lowenstein, L., & Son, doing business as National Feather & Pillow Company, Nashville, Tenn. Pillows containing feathers. 157,491; July 3.
Luckel, King & Cake Soap Company, Portland, Oreg. Laundry soap. 166,457; July 3.
Master Builders Company, The, Cleveland, Ohio. Preparations to be incorporated with mortar, cement, etc., for the purpose of coloring, hardening, etc., the setting. 170,148; July 3.
Matthews, Jas. H., & Company, Pittsburgh, Pa. Steel marking dies. 177,791; July 3.
Max Elb Gesellschaft mit beschränkter Haftung, Dresden, Germany. Perfumery, toilet preparations. 166,176; July 3.
Mayol, Frank E., Salt Lake City, Utah. Ice cream and frozen dainties. 165,697; July 3.
Mercier Bros., The, Concord, N. H. Candied pop corn. 175,150; July 3.
Merritt, Hiram, doing business as Diozone Company, Newburgh, N. Y. Paste for cleaning false teeth. 178,182; July 3.
Metke, John, doing business as Queen City Specialty Company, Buffalo, N. Y. Waterproof dressing for leather, etc., used for automobile tops. 159,521; July 3.
Mewhinney, A. B., Co., Inc., Terre Haute, Ind. Candy. 168,481; July 3.
Micheletti, Dante, Lucca, Italy, and San Francisco, Calif. Olive oil. 174,585; July 3.
Mid-Continent Clay Company. (See Esperson, Niles.)
Miller's Book Store, Inc., Atlanta, Ga. Fountain pens. 179,377; July 3.
Miller-Cummings Company, New York, N. Y. Fresh cantaloupes, melons, grapes, etc. 173,435; July 3.
Miller-Cummings Company, Inc., New York, N. Y. Fresh cantaloupes. 173,436; July 3.
Miller & Paine, Inc., Lincoln, Nebr. Candies and candied fruit. 176,750; July 3.
Miller's, Jacob, Sons Co., Philadelphia, Pa. Knitted and textile fabric undergarments. 172,004; July 3.
Mills Novelty Company, Chicago, Ill. Flavored sugar tablets. 175,260; July 3.
Molinelli, Charles, doing business as Italian Macaroni Production Co., Rockaway Beach, N. Y. Pot roast, spaghetti, potted beef, tripe stew, etc. 176,354; July 3.
Morisse Lace & Embroidery Co., St. Louis, Mo. Braids, tassels, passementeries, and garnitures. 177,983–4; July 3.
Mott, Thomas K., Los Angeles, Calif. Marmalade, jams, and preserved fruits. 176,850; July 3.
Mouquin Rt. & Wine Co. Inc., New York, N. Y. Beverages sold as a soft drink. 174,405; July 3.
N. Kjaergaard Jensens Tekn. Kem. Fabrik, Copenhagen, Denmark. Rennet, junket tablets, and lactic ferment. 154,654; July 3.
National Electric Products Corporation, Chicago, Ill. Refrigerators and parts, and refrigerating systems. 177,140; July 3.
National Feather & Pillow Company. (See Lowenstein, L., & Son.)
Neuss, Hesslein & Co., Inc., New York, N. Y. Printed, bleached, and gray, etc., cotton piece goods. 179,620; July 3.
New England Confectionery Company, Boston, Mass. Candy. 154,810; July 3.
Niagara Shoe Company, Inc., Buffalo, N. Y. Shoes of leather, rubber, and fabric. 171,029; July 3.
Nickel Fabricating Corp., Philipsburg, Pa. Frying pans, saucepans, stock pots, kettles, etc. 174,908; July 3.

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Optische Anstalt C. P. Goerz A. G., Berlin-Friedenau, Germany. Photographic and telescopic objectives, photographic cameras, etc. 169,984; July 3.
Oregon Growers Cooperative Association, Salem, Oreg. Canned fruits and vegetables. 167,411–2; July 3.
Oregon Growers Cooperative Association, Salem, Oreg. Canned fruits. 174,551; July 3.
Pacific Mills, Lawrence and Boston, Mass. Cotton piece goods. 180,139; July 3.
Page & Shaw, Incorporated, Cambridge, Mass. Transparent containers for food products. 179,424; July 3.
Paine & Williams Company, The, Cleveland, Ohio. Rubber matting. 178,000; July 3.
Peaslee-Gaulbert Co., Louisville, Ky. Varnish stains and paint enamel. 179,882; July 3.
Perceval, C., New York, N. Y. Olive oil. 176,913; July 3.
Perceval, C., New York, N. Y. Canned okra. 177,047; July 3.
Phelps, Phoebe, Caramel Co., Boston, Mass. Caramels. 177,243; July 3.
Philadelphia Quartz Company, Philadelphia, Pa. Publications and printed literature. 158,728; July 3.
Phillips, Leo F., & Co., New York, N. Y. Beads and bead trimming. 165,599; July 3.
Planters Nut & Chocolate Company, Wilkes-Barre, Pa. Candy. 176,567–8; July 3.
Pleasant Grove Canning Company, Pleasant Grove, Utah. Fresh deciduous and citrous fruits, fresh vegetables, etc. 171,951; July 3.
Polygon Products Co., Boston, Mass. Preparation for cleaning fabric, leather, and woodwork, etc. 177,515; July 3.
Powers, Friend & Lichtman, New York, N. Y. Fringes and art needlework. 179,426; July 3.
Pratt & Whitney Company, New York, N. Y. Caliper gauges. 164,452; July 3.
President Suspender Company, Shirley, Mass. Garters. 166,787; July 3.
Protection Tire & Rubber Company. (See Chadwin, Leo L.)
Queen City Extract Company, The, Cincinnati, Ohio. Grape-flavored sirup for food purposes. 163,595; July 3.
Queen City Specialty Company. (See Metke, John.)
Ray-Maling Co., Inc., Portland, Oreg. Canned fruits. 175,809; July 3.
Ray-Maling Co., Inc., Portland, Oreg. Canned fruits, berries, and vegetables. 175,810; July 3.
Ray-Maling C., Inc., Portland, Oreg. Canned fruits and berries. 175,812; July 3.
Reid Bros., Inc., San Francisco, Calif., and Seattle, Wash. Metal and wood aseptic furniture. 168,790; July 3.
Reish, George L., assignor to R. V. Foster, Mifflinburg, Pa. Leather preservatives. 175,324; July 3.
Richter Card & Paper Co., Inc., New York, N. Y. Announcements. 179,224; July 3.
Rocky Ford Melon Growers Spray Manufacturing Co. (See Burrell, D. V.)
Roe, William G., Winterhaven, Fla. Fresh citrous fruits. 177,410; July 3.
Rowan, C. G. (See Goodwin, Harry L., assignor.)
Sanderson, Arthur N., West Springfield, Mass. Automobile, piano, and furniture polish. 180,082; July 3.
Sandvikens Jernverks Aktiebolag, Sandviken, Sweden. Saws, hammers, sledges, etc. 178,571; July 3.
Sandvikens Jernverks Aktiebolag, Sandviken, Sweden. Saws, hammers, sledges, etc. 178,872; July 3.
Schaffner Brothers Company, Erie, Pa. Bacon, ham, breakfast-bacon squares. 169,929; July 3.
Schaffner Brothers Company, Erie, Pa. Sausage, boiled ham, etc. 169,931; July 3.
Schwarzenbach Huber Company, The, West Hoboken, N. J. Silk and artificial-silk piece goods, cotton, linen, and woolen piece goods, and combinations of same. 180,145; July 3.
Schwarzenbach Huber Company, The, West Hoboken, N. J. Cotton-back satin in the piece. 180,146; July 3.
Seacoast Canning Company, Eastport, Me. Canned tunny fish. 173,303; July 3.
Security Cement & Lime Co., Hagerstown, Md. Ground and hydrated lime. 165,760; July 3.
Seidenberg, R. J., Co., Buffalo, N. Y. Cigars. 178,003; July 3.
Sethness Company, Chicago, Ill. Chocolate malted concentrate for the making of a food drink. 174,265; July 3.
Shapleigh Hardware Company, St. Louis, Mo. Baby baths, coffee and rice boilers, bowls, etc. 162,358; July 3.
Shoninger-Heinsheimer Manufacturing Co., Chicago, Ill. Children's cloaks and capes. 171,963; July 3.
Shoninger-Heinsheimer Manufacturing Co., Chicago, Ill. Juniors' and misses' cloaks, capes, and suits. 171,964; July 3.
Shute, Bruce T., Sacramento, Calif. Fresh deciduous fruits. 176,221; July 3.
Sipe, James B., & Company, Pittsburgh, Pa. Primer paint for metal surfaces. 179,325; July 3.
Sipe, James B., & Co., Pittsburgh, Pa. Paste paint. 179,326; July 3.
Sipe, James B., & Company, Pittsburgh, Pa. Paint oil to be added to paint. 179,331; July 3.
Smuckler, K., doing business as French Mfg. Co., Los Angeles, Calif. Automobile and piano polish. 173,939; July 3.
South Norwalk Evening Sentinel. (See Calkins, A. Genevieve.)
Standard Syrup Company, St. Louis, Mo. Fruit preserves, honey and mincemeat. 177,631; July 3.
Star Fish & Oyster Co., The, Mobile, Ala. Sea food. 174,156; July 3.
Steel Products Company, The, Cleveland, Ohio. Poppet valves for internal-combustion engines and tools and parts thereof. 178,069–70; July 3.
Steele, Jesse A., doing business as Steel Bros., Oakland, Calif. Artificially-prepared mineral water. 176,292; July 3.
Stockham, Edward V., Inc., Havre de Grace, Md. Pork and beans and canned concentrated strained tomatoes. 158,689; July 3.
Stone, W. C., Emmett, Idaho. Fresh prunes. 166,020; July 3.
Storgaard, Henry, doing business as Aut-O-Luk Card Co., Yakima, Wash. Card game. 178,699; July 3.
Sullivan, Hensley & Ponto, Denver, Colo. Ice-cream confections. 177,145; July 3.
Sunset Fruit Co., Lodi, Calif. Fresh grapes. 168,387; July 3.
Sweet-Orr & Co., Inc., Wappingers Falls and New York, N. Y. Pants, Norfolk jackets, coats, and vests. 174,221; July 3.
Taiyo Trading Co., Inc., New York, N. Y. Canned crab meat. 176,769; July 3.
Taunton Electro-Chemical Company, Taunton, Mass. Soap. 175,277; July 3.
Taylor, E. E., Co., Boston, Mass. Boots and shoes. 176,293–4; July 3.
Thompson, James, & Co., New York, N. Y. Netted or wide-mesh fabrics. 179,631; July 3.
Triple S Service Corporation, Denver, Colo. Granular or powdered antiseptic cleanser for the toilet. 174,370; July 3.
United Fig & Date Co., The, Chicago, Ill. Nuts and nut products. 157,701; July 3.
United Fig & Date Company, The, Chicago, Ill. Brazil nuts in the raw state. 176,298; July 3.
Vary Knit Co., Inc., Union Hill, N. J., and New York, N. Y. Knitted wool and cotton goods in the piece. 179,836; July 3.
Vaughn Grocery Company, Winston-Salem, N. C. Coffee. 174,948; July 3.
Venus Packing Co. (See Abbott, Hall & Co.)
Vortex Mfg. Co., The, Chicago, Ill. Metal holders for paper dishes and dispensing receptacles for paper dishes. 180,311; July 3.
Wagner, Harry M., doing business as The H. M. Wagner Co., Inc., Baltimore, Md. Coffee. 173,614; July 3.
Walker Bros. Co., assignor to Za-Rex Food Products Inc., Boston, Mass. Sirups and extracts for flavoring food. 173,261; July 3.
Walther Manufacturing Co., Philadelphia, Pa. Worsted, woolen, worsted and cotton, etc., piece goods. 175,569; July 3.
Walther Manufacturing Co., Philadelphia, Pa. Worsted, woolen, worsted and cotton, etc., piece goods. 179,902; July 3.
Weingarten Bros., New York, N. Y. Corsets. 173,061; July 3.
Wellen, M., & Son, New York, N. Y. Trunks. 163,426; July 3.
Wendling, George X., San Francisco, Calif. Box shooks. 178,318; July 3.
West Electric Hair Curler Company, Philadelphia, Pa. Hair curlers. 180,313; July 3.
Whiting Paper Company, Holyoke, Mass. Writing papers, mailing envelopes, and printing papers. 180,161; July 3.
Wickes Boiler Company, The, Saginaw, Mich. Steel boilers. 162,860; July 3.
Wilton Manufacturing Company, Inc., New York, N. Y. Cotton piece goods. 180,038–9; July 3.
Wiseman, Carl M., Louisville, Ky. Finger ring and magnifying glasses. 176,520; July 3.
Wish, Fred A., Incorporated, New York, N. Y. Metal and paper fancy containers and boxes. 180,638; July 3.
Woodward, John G., & Co. (Inc.), Council Bluffs, Iowa. Candy. 176,238; July 3.
Yeast-O-Mint Co., The. (See Cobb, Richard H.)
Za-Rex Food Products Inc. (See Walker Bros. Co., assignor.)

CLASSIFIED LIST OF TRADE-MARKS REGISTERED.

CLASS 1.

Coal, King Coal Company. 169,816; July 3; Serial No. 167,966; published Apr. 3, 1923.
Coal, Victor-American Fuel Company. 169,807; July 3; Serial No. 164,472; published Apr. 3, 1923.
Coal, Victor-American Fuel Company. 169,808; July 3; Serial No. 164,476; published Apr. 3, 1923.
Coal, Bituminous. Maynard Coal Company. 169,889; July 3; Serial No. 158,191; published Apr. 3, 1923.
Fur skins. North American Fur Dyeing Company. 169,859; July 3; Serial No. 171,883; published Apr. 3, 1923.
Leather, Sole. C. G. Fleckenstein Co. 169,814; July 3; Serial No. 167,386; published Apr. 3, 1923.
Potato, cabbage, etc. plants, and sweet potatoes. B. J. Head. 169,926; July 3.

CLASS 2.

Tanks, Sheet metal. A. A. Kramer. 169,932; July 3.

CLASS 3.

Baggage. Hirschfelder & Meaney. 169,924; July 3.

CLASS 4.

Polishes, tile and marble cleaner, and soap chips, Metal and working-board. J. E. Smith. 169,793; July 3; Serial No. 169,036; published Mar. 27, 1923.
Shoe dressing and cleaner, Canvas-. Owl Drug Company. 169,934; July 3.
Soap. F. G. Burke. 169,781; July 3; Serial No. 172,508; published Mar. 27, 1923.
Soap, Laundry. Luckel, King & Cake Soap Company. 169,936; July 3.
Soap, soap paste and soap powder. E. B. Segerstrom. 169,755; July 3; Serial No. 171,390; published Mar. 27, 1923.

CLASS 6.

Antiseptic capsules and liniment. A. R. Hiatt. 169,817; July 3; Serial No. 167,982; published Mar. 6, 1923.
Baking powder. Requa Bros. 169,801; July 3; Serial No. 170,833; published Mar. 27, 1923.
Baking powder, table salt, lye, glycerin, etc. John Sexton and Company. 169,883; July 3; Serial No. 153,696; published Mar. 6, 1923.
Bath, Perfumed addition for the. C. S. Welch Company. 169,910; July 3; Serial No. 170,599; published Mar. 13, 1923.
Bath powders. Parfumerie Pavane. 169,790; July 3; Serial No. 168,900; published Mar. 20, 1923.
Bating material used in tanning leather. Moser & Co. 169,833; July 3; Serial No. 173,101; published Apr. 3, 1923.
Bluing, laundry starch, baking powder, and lye. Joannes Bros. Co. 169,847; July 3; Serial No. 172,879; published Mar. 13, 1923.
Boilers, etc., Compound for dissolving and removing scale and rust from. Boiler Scale Dissolvent Corp. 169,780; July 3; Serial No. 172,318; published Mar. 27, 1923.
Brazing and welding of metals, Chemical used in the. Hardwick-Hutchins Manufacturing Company. 169,806; July 3; Serial No. 164,163; published Mar. 13, 1923.
Chemical preparation for use in keeping sausage, kidneys, etc., in a good condition. B. Heller & Company. 169,837; July 3; Serial No. 172,989; published Mar. 6, 1923.
Chemicals and acids, Heavy. Wiarda & Hall Acid Works Inc. 169,794; July 3; Serial No. 169,106; published Mar. 20, 1923.
Cosmetics. Re-Al-Jo Products Company. 169,842; July 3; Serial No. 172,959; published Mar. 13, 1923.
Cough medicine. Wykoff Company. 169,840; July 3; Serial No. 172,964; published Mar. 13, 1923.
Creams and powders, perfumes, toilet waters, rouges, etc., Face. A. L. Lynch. 169,843; July 3; Serial No. 172,950; published Mar. 13, 1923.
Dentifrices. Societe Anonyme la Biotherapie, (Societe Anonyme de Produits Chimiques Biologiques et d'Hygiene.) 169,756; July 3; Serial No. 171,289; published Mar. 27, 1923.
Deodorant for mouth and stomach, Purifying, Maybreath Company. 169,857; July 3; Serial No. 172,050; published Mar. 13, 1923.
Disinfectant and deodorizer. B. Heller & Company. 169,836; July 3; Serial No. 172,991; published Mar. 13, 1923.
Dyes and dyestuffs. Grasselli Chemical Company. 169,838; July 3; Serial No. 172,987; published Mar. 6, 1923.
Dyes and dyestuffs. Grasselli Chemical Company. 169,839; July 3; Serial No. 172,986; published Apr. 3, 1923.
Emulsion of cod-liver oil, sirup of white pine and tar, aspirin, etc. United Retail Chemists Corporation. 169,888; July 3; Serial No. 154,773; published Mar. 13, 1923.
Fly and insect mist. Johnston United Chemical Co. 169,749; July 3; Serial No. 172,224; published Mar. 27, 1923.
Fuel intensifier and carbon remover. Certified Laboratories, Inc. 169,821; July 3; Serial No. 168,632; published Mar. 13, 1923.
Fungicide, seed disinfectant, and general disinfectant. E. I. du Pont de Nemours & Company. 169,853; July 3; Serial No. 172,263; published Mar. 13, 1923.
Hair dressing and tonic, Greaseless. Y. Lee. 169,887; July 3; Serial No. 155,353; published Mar. 6, 1923.
Hair gloss and grower. M. E. Swan. 169,778; July 3; Serial No. 168,737; published Mar. 13, 1923.
Hair pomades. Standard Laboratories, Inc. 169,867; July 3; Serial No. 175,222; published Mar. 13, 1923.
Hair restorer. J. R. Smith. 169,802; July 3; Serial No. 168,652; published Mar. 13, 1923.
Hair tonic. Dixie Laboratories. 169,885; July 3; Serial No. 154,015; published Nov. 28, 1922.
Impregnating material for use as a preservative. Chemische Fabriken vorm. Weiler-ter Meer. 169,759–61; July 3; Serial Nos. 170,124–6; published Mar. 6, 1923.
Ink eradicator. Guild Products Corporation. 169,810; July 3; Serial No. 165,544; published Mar. 13, 1923.
Insecticide. T. Meyer. 169,894–5; July 3; Serial Nos. 171,736–7; published Mar. 20, 1923.
Insecticide and disinfecting deodorant. T. Meyer. 169,861; July 3; Serial No. 171,738; published Mar. 20, 1923.
Insecticides. S. C. Slattery. 169,912; July 3; Serial No. 170,408; published Mar. 6, 1923.
Insecticides, bactericides, fungicides, etc., for plants. Bobwhite Chemical Corporation. 169,791–2; July 3; Serial Nos. 168,953–4; published Mar. 27, 1923.
Laxative or mild purgative pill preparation. W. Harrison. 169,776; July 3; Serial No. 168,865; published Mar. 6, 1923.
Laxative powders. A. W. Knox. 169,942; July 3.
Liniment. I. Connolly. 169,901; July 3; Serial No. 171,485; published Mar. 13, 1923.
Liniment. J. G. Harris 169,903; July 3; Serial No. 171,358; published Mar. 6, 1923.
Liquid and ointment preparations for promoting the growth of the hair, shampoo, etc. A. M. Malone. 169,751; July 3; Serial No. 171,464; published Mar. 27, 1923.
Lotion, Face. J. W. Mayo. 169,907; July 3; Serial No. 170,722; published Mar. 6, 1923.
Lotions and creams, Skin. Jean Jordeau Inc. 169,775; July 3; Serial No. 168,893; published Mar. 6, 1923.
Magnesia, Citrate of. H. E. Frees Co. 169,848; July 3; Serial No. 172,871; published Mar 13, 1923.
Medical compound for diseases of the stomach. Charles F. Dare & Son, Inc. 169,779; July 3; Serial No. 172,265; published Mar. 27, 1923.
Medicinal herb preparation used as a general tonic. Wing Lee Wai Company. 169,852; July 3; Serial No. 172,304; published Mar. 6, 1923.
Medicinal preparation acting as a system cleaner and regulator. A. W. Campbell. 169,834; July 3; Serial No. 173,030; published Mar. 6, 1923.
Medicinal preparation for the treatment of toothache and pyorrhea. A. A. Schwerin, sr. 169,855; July 3; Serial No. 172 124; published Mar. 6, 1923.
Medicinal tablets, face and skin lotions, etc. Kalina Company. 169,771; July 3; Serial No. 169,169; published Mar. 6, 1923.
Medicinal tablets for use as a general tonic. G. F. Schmidt. 169,876; July 3; Serial No. 137,033; published Mar. 6, 1923.
Medicine for the treatment of ulcerative and diseased conditions of the mouth and throat. Clarke Chemical Co. 169,767; July 3; Serial No. 169,283; published Mar. 13, 1923.
Medicine, Gallstone. W. E. McAllister. 169,899; July 3; Serial No. 171,585; published Mar. 13, 1923.
Medicine used as a caimant and antispasmodic. Societe des Produits Chimiques Speciaux Brevets Lumiere. 169,860; July 3; Serial No. 171,821; published Mar. 20, 1923.
Medicine used in the treatment of cancer. W. E. Mitchely. 169,785; July 3; Serial No. 154,229; published Mar. 27, 1923.
Oil, Antiseptic. Pine Balm Company. 169,941; July 3.
Oil, Wool. Standard Oil Company. 169,898; July 3; Serial No. 171,665; published Mar. 13, 1923.
Oils, Decolorizing charcoal for use for mineral and vegetable. Verein für Chemische und Metallurgische Produktion. 169,813; July 3; Serial No. 167,372; published Mar. 13, 1923.
Oils, Medicinal. L. W. Neiswender. 169,884; July 3; Serial No. 154,700; published Mar. 13, 1923.
Palliative for venereal diseases. D. Romeo. 169,911; July 3; Serial No. 170,449; published Mar. 6, 1923.
Pastes and powders for beautifying and preserving the teeth, skin, and hair, and perfumery. Parfumerie Roger et Gallet. 169,832; July 3; Serial No. 173,141; published Mar. 20, 1923.
Perfume, toilet water, face powder, etc. J. Bossard. 169,909; July 3; Serial No. 170,618; published Mar. 6, 1923.
Perfume, toilet water, rouges, etc. E. Daltroff & Cie. 169,938; July 3.

Perfumes. G. Yorita. 169,811; July 3; Serial No. 166,617; published Mar. 6, 1923.
Perfumes, perfume powders, and toilet waters. Colgate & Company. 169,757; July 3; Serial No. 171,201; published Mar. 27, 1923.
Pharmaceutical and medicinal preparations, antiseptics, germicides, etc. Shores-Mueller Company. 169,841; July 3; Serial No. 172,962; published Mar. 13, 1923.
Pharmaceutical preparation for strengthening the genital glands. Phospho-Albumen Company. 169,835; July 3; Serial No. 173,005; published Mar. 6, 1923.
Pharmaceutical preparations for the treatment of nervous diseases, etc. Phospho-Albumen Company. 169,831; July 3; Serial No. 173,146; Published Mar. 13, 1923.
Poisoning compound, Ant-. T. Meyer. 169,897; July 3; Serial No. 171,734; published Mar. 20, 1923.
Pomade for the scalp and hair. Vail Brothers. 169,809; July 3; Serial No. 165,048; published Mar. 13, 1923.
Powder, Foot. W. T. Shaw. 169,786; July 3; Serial No. 155,709; published Mar. 20, 1923.
Powders and creams, perfumes, toilet waters, rouges, etc., Face. Lightfoot Schultz Company. 169,845; July 3; Serial No. 172,947; published Mar. 13, 1923.
Powders and rouge, Compact. Richard Hudnut. 169,753–4; July 3; Serial No. 171,461–2; published Mar. 27, 1923.
Powders, face bleaches, liquid rouge, Face. C. W. Godefroy. 169,879; July 3; Serial No. 142,840; published June 14, 1921.
Preparation for treatment of dandruff, etc. A. R. Meller. 169,768; July 3; Serial No. 169,253; published Mar. 13, 1923.
Preparation for the treatment of the eyes. L. A. Stinson. 169,854; July 3; Serial No. 172,243; published Mar. 6, 1923.
Preparation for treatment of Riggs' disease, pyorrhea, etc. Heroic Gum Remedy Company. 169,795; July 3; Serial No. 169,246; published Mar. 20, 1923.
Preparations for protecting animal substances against chemicals. Actien-Gesellschaft für Anilin-Fabrikation. 169,799; July 3; Serial No. 170,232; published Mar. 27, 1923.
Rodents and vermin, Preparation for exterminating. T. Meyer. 169,896; July 3; Serial No. 171,735; published Mar. 20, 1923.
Rubber articles, Accelerators, fillers, pigments, etc., used in the compounding of. Rubber Service Laboratories Company. 169,902; July 3; Serial No. 171,469; published Feb. 27, 1923.
Scalp cleanser, Germiride. G. D. Tietjen. 169,764; July 3; Serial No. 169,459; published Mar. 6, 1923.
Shampoo powder. Evan Williams Company Limited. 169,908; July 3; Serial No. 170,715; published Mar. 6, 1923.
Tablets to be used in the treatment of heart disease, rheumatism, etc.. S. Nakamura. 169,882; July 3; Serial No. 153,686; published Mar. 13, 1923.
Toilet preparation for softening and whitening chapped and rough skin. Kanders Pharmacal Co. 169,844; July 3; Serial No. 172,882; published Mar. 13, 1923.
Tonic, Liquid. Southern Laboratories. 169,750; July 3; Serial No. 172,064; published Mar. 27, 1923.
Tooth paste. United Retail Chemists Corporation. 169,784; July 3; Serial No. 149,039; published Mar. 27, 1923.
Tooth paste and powder and mouth wash. O. H. v. Maynburg. 169,787; July 3; Serial No. 156,996; published Mar. 27, 1923.
Water-softening compound. J. J. Buczkowski. 169,900; July 3; Serial No. 171,571; published Feb. 27, 1923.

CLASS 9.

Shells and cartridges, Shotgun. Federal Cartridge Corporation. 169,923; July 3.

CLASS 12.

Cement, Material used to hasten the setting and lower the freezing point of. T. L. Benson. 169,922; July 3.
Waterproofing compound for building roofs. Acorn Refining Company. 169,931; July 3.

CLASS 13.

Coffee-bag supports. J. T. Pedersen. 169,850; July 3; Serial No. 172,432; published Apr. 10, 1923.
Gates, Hydraulic. E. L. Broome. 169,858; July 3; Serial No. 172,028; published Apr. 10, 1923.
Link belts. Victory V Belt Co. 169,815; July 3; Serial No. 167,744; published Apr. 10, 1923.
Pipe nipples, Metal. Chicago Nipple Manufacturing Co. 169,805; July 3; Serial No. 163,502; published Apr. 10, 1923.

CLASS 14.

Track frogs, crossings, guard rails, etc. Ramapo Ajax Corporation. 169,851; July 3; Serial No. 172,395; published Apr. 10, 1923.

CLASS 15.

Gasoline. Shell Company of California. 169,945; July 3.
Grease, Petroleum. Atlantic Refining Company. 169,869; July 3; Serial No. 174,814; published Mar. 20, 1923.
Oil, Motor. Dealers Supply Company. 169,944; July 3.
Oils and gasoline. Kansas-Texas Petroleum Co. 169,916; July 3.

CLASS 16.

Glazes and enamels, Ready prepared ceramic. Vitro Manufacturing Company. 169,820; July 3; Serial No. 168,625; published Apr. 3, 1923.
Lead, Pure white. Eagle Picher Lead Company. 169,906; July 3; Serial No. 170,757; published Apr. 3, 1923.
Paint and paint thinner, Ready-mixed. Barrett Company. 169,829; July 3; Serial No. 173,269; published Apr. 3, 1923.
Paint enamels. Baker Paint & Varnish Co. 169,873; July 3; Serial No. 174,604; published Apr. 3, 1923.
Paints, varnishes and paint enamels. Enterprise Paint Mfg. Co. 169,825; July 3; Serial No. 174,001; published Apr. 3, 1923.
Paints, varnishes, putties, dry colors, white lead, etc. Baker Paint & Varnish Co. 169,872; July 3; Serial No. 174,605; published Apr. 3, 1923.
Polish, Furniture and automobile. Villier & Prost. 169,891; July 3; Serial No. 159,449; published Apr. 3, 1923.
Size in dry powder form, Wall. Muralo Company. 169,820; July 3; Serial No. 173,201; published Apr. 3, 1923.

CLASS 19.

Vehicle bodies and parts. Anthony Company. 169,915; July 3.

CLASS 20.

Floor coverings. Salem Manufacturing Company. 169,824; July 3; Serial No. 174,153; published Apr. 3, 1923.

CLASS 22.

Fishing line. Ashaway Lime & Twine Manufacturing Company. 169,935; July 3.
Vehicles, Two-wheeled children's coaster. Advance Manufacturing Co. 169,871; July 3; Serial No. 174,684; published Apr. 3, 1923.

CLASS 23.

Augers, awls, axes, etc. Smith & Hemenway Company. 169,874; July 3; Serial No. 125,806; published Nov. 9, 1920.
Cutlery and razors, Pocket. Canton Cutlery Co. 19,480; renewed May 12, 1921.
Cutters, Milling. National Twist Drill & Tool Company. 169,920; July 3.
Fruit jars and containers, Device for opening and closing. C. H. Lambert. 169,927; July 3.
Piston pins. L. Bissell. 169,888; July 3; Serial No. 155,427; published May 16, 1922.
Sweepers, Carpet. Scott & Fetzer Company. 169,917; July 3.
Tongs, Beaker. Eimer & Amend. 169,870; July 3; Serial No. 174,691; published Apr. 10, 1923.
Tools, Metal-working small. Cleveland Twist Drill Company. 169,822; July 3; Serial No. 174,358; published Apr. 10, 1923.
Tractors. Clark Tructractor Company. 169,868; July 3; Serial No. 175,135; published Apr. 10, 1923.
Vehicles, Visible traffic signals for motor. L. R. McDevitt. 169,914; July 3.
Woodworking machines, Combination. Hutchinson Manufacturing Co. 169,856; July 3; Serial No. 172,094; published Apr. 10, 1923.

CLASS 25.

Automobile locking device. Wright Accessories Corporation. 169,878; July 3; Serial No. 137,984; published Apr. 12, 1921.
Banks, Portable. Chicago Thrift Company. 169,930; July 3.
Door handles, Locking. Bersted Manufacturing Company. 169,904; July 3; Serial No. 171,060; published Apr. 3, 1923.

CLASS 26.

Lenses, Photographic, projecting, and optical. M. H. Tromba. 169,804; July 3; Serial No. 162,327; published Apr. 10, 1923.
Ophthalmic mountings and parts thereof. Stevens & Company. 169,866; July 3; Serial No. 175,224; published Apr. 10, 1923.
Telegraph transmitter-indicator equipment, Ships' mechanical. Chas. Cory & Son, Inc. 169,921; July 3.

CLASS 32.

Furniture and upholstery. William Lawrence & Co. 169,875; July 3; Serial No. 134,969; published Apr. 3, 1923.

CLASS 34.

Furnaces, Coal. Fox Furnace Company. 169,918; July 3.
Torches, Alcohol. Hunt-Lasher Company. 169,919; July 3.

CLASS 35.

Rubber cushions, packings, gaskets, etc. J. A. Sexauer Mfg. Co. 169,925; July 3.
Rubbers, Jar. Joannes Bros. Co. 169,846; July 3; Serial No. 172,880; published Apr. 3, 1923.
Tire casings, Pneumatic. B. F. Goodrich Company. 169,849; July 3; Serial No. 172,472; published Apr. 3, 1923.
Tires and inner tubes, Nonmetallic pneumatic. Globe Rubber Tire Manufacturing Co. 169,865; July 3; Serial No. 175,589; published Apr. 3, 1923.

CLASS 37.

Paper, Wrapping. Geo. W. Millar & Co. 169,823; July 3; Serial No. 174,319; published Mar. 27, 1923.

CLASS 38.

Books, Completely-printed. M. J. Hoenig. 169,789; July 3; Serial No. 168,470; published Mar. 27, 1923.
Literary supplements, Periodically-issued. Associated Publishers of Iowa. 169,796; July 3; Serial No. 169,741; published Mar. 27, 1923.
Magazine, Name of a monthly. Radio Waves Publishing Co. 169,797; July 3; Serial No. 169,825; published Mar. 27, 1923.
Publication. General Electric Company. 169,788; July 3; Serial No. 167,389; published Mar. 27, 1923.

CLASS 39.

Bloomers, Women's. L. N. Gross Company. 169,769; July 3; Serial No. 169,240; published April 3, 1923.
Coats. Dorfman & Miller. 169,765; July 3; Serial No. 169,396; published Apr. 3, 1923.
Coats, capes, mantles, and raincoats. Sanborn Wetherwear Coat Co. 169,937; July 3.
Dresses. Nickels Manufacturing Company. 169,770; July 3; Serial No. 169,179; published Apr. 3, 1923.
Gowns, wraps, dresses, coats, etc., Ladies', women's, and misses'. Lousols Philadelphia. 169,774; July 3; Serial No. 168,901; published Apr. 3, 1923.
Hats, caps, shirts, etc., Men's. Jordan Marsh Company. 169,763; July 3; Serial No. 169,490; published Apr. 3, 1923.
Neckties, cravats, scarfs, hats, caps. The Collegian. 169,881; July 3; Serial No. 148,973; published Apr. 3, 1923.

CLASS 40.

Dress Shields. Empire Shield Co. 169,890; July 3; Serial No. 159,308; published Mar. 27, 1923.
Lingerie trimming, fancy braids, etc. Marshall Field & Company. 169,880; July 3; Serial No. 146,534; published Feb. 21, 1922.

CLASS 42.

Cotton, artificial-silk, silk, and woolen piece goods and admixtures of same. Bradford Dyers' Association, Limited. 169,783; July 3; Serial No. 122,625; published Mar. 27, 1923.
Cotton piece goods. Pacific Mills. 169,864; July 3; Serial No. 175,677; published Apr. 3, 1923.
Cotton piece goods, Dyed. Bradford Dyers' Association, Limited. 169,782; July 3; Serial No. 122,624; published Mar. 20, 1923.
Linen, handkerchiefs, towels, curtains, etc., Table and bed. M. G. Guerra Co. Inc. 169,826; July 3; Serial No. 175,786; published Apr. 3, 1923.
Sateen in the piece. Marshall Field & Company. 169,933; July 3.
Silk and crêpe silk piece goods. Tuxedo Shirt Co. 169,939; July 3.
Silk piece goods. Folding Fabrics Corporation. 169,800; July 3; Serial No. 170,277; published Mar. 27, 1923.
Silk piece goods. Tuxedo Shirt Co. 169,928; July 3.
Voile in the piece. Max Schwarz Textile Corporation. 169,905; July 3; Serial No. 170,795; published Mar. 27, 1923.
Worsted piece goods, Tropical. Tropical Worsted Company. 169,798; July 3; Serial No. 169,836; published Mar. 27, 1923.

CLASS 43.

Yarn, Wool. Wollgarnfabrik Fulda G. m. b. H. 169,752; July 3; Serial No. 171,677; published Mar. 27, 1923.

CLASS 44.

Bottles for medical purposes, Hot. B. H. Dyer Company. 169,772; July 3; Serial No. 169,053; published Apr. 3, 1923.
Combs, Fountain. Capitola Tonic Comb Co. 169,827; July 3; Serial No. 173,463; published Apr. 3, 1923.
Dental cement. W. V-B. Ames Company. 169,863; July 3; Serial No. 175,696; published Apr. 3, 1923.
Surgical and dental appliance outfit. W. J. Cameron. 169,893; July 3; Serial No. 160,928; published Mar. 27, 1923.
Thermometers, syringes, eye droppers, etc., Clinical. Eisele & Co. 169,826; July 3; Serial No. 173,959; published Apr. 3, 1923.

CLASS 46.

Candy. L. C. Hunt. 169,943; July 3.
Candy. L. L. Lipschultz. 169,766; July 3; Serial No. 169,311; published Apr. 3, 1923.
Candy, cocoa, chocolate, etc. Huyler's. 169,758; July 3; Serial No. 135,754; published Mar. 27, 1923.
Canned pineapple. Hawaiian Pineapple Company. 169,819; July 3; Serial No. 168,109; published Apr. 3, 1923.
Canned soups, truffles, cherries, and turtle meat. C. Perceval. 169,940; July 3.
Chocolate fruit bar. Gruenhagen's. 169,777; July 3; Serial No. 168,766; published Apr. 3, 1923.
Chocolates and candies. E. Greenfield's Sons. 169,913; July 3; Serial No. 170,377; published Apr. 3, 1923.
Flavorings and extracts. Arthur L. Leech Co. 169,892; July 3; Serial No. 160,889; published Apr. 3, 1923.
Fruits, Fresh citrous. Redland Citrus Growers Association. 169,818; July 3; Serial No. 168,068; published Apr. 3, 1923.
Hams, shoulders, bacon, etc. Indianapolis Abattoir Company. 169,929; July 3.
Ice cream. P. Smolinsky. 169,812; July 3; Serial No. 166,725; published Apr. 3, 1923.
Potato chips. H. C. Blakely. 169,773; July 3; Serial No. 168,913; published Apr. 3, 1923.
Sweet-pickled watermelon rind. G. B. Raffetto, Inc. 169,762; July 3; Serial No. 169,561; published Apr. 3, 1923.

CLASS 48.

Malt extract. Falstaff Corporation. 169,803; July 3; Serial No. 161,831; published Apr. 3, 1923.
Malt extracts. Henning Wennereten Incorporated. 169,828; July 3; Serial No. 173,422; published Apr. 3, 1923.
Malt, Liquor or liquid preparation containing. Coleman and Company. 169,877; July 3; Serial No. 140,917; published Apr. 3, 1923.

CLASSIFIED LIST OF TRADE-MARK TITLES.

PUBLISHED FOR OPPOSITION.

[Act of Feb. 20, 1905, Sec. 6, as amended Mar. 2, 1907.]

CLASS 1.

Leather. Kistler Leather Company. 175,991; July 3.
Logs. Delta Export Lumber Corporation. 178,496; July 3.
Seeds, Vegetable. Kehoe Preserving Company. 176,521; July 3.

CLASS 2.

Box shooks. G. X. Wendling. 178,318; July 3.
Containers and boxes, Metal and paper fancy. Fred A. Wish Incorporated. 180,638; July 3.
Containers, Condiment. C. H. Haeseler. 172,834; July 3.
Containers for food products, Transparent. Page & Shaw, Inc. 179,424; July 3.
Dishes and dispensing receptacles for paper dishes, Metal holders for paper. Vortex Mfg. Co. 180,311; July 3.

CLASS 3.

Trunks. M. Wellen & Son. 163,426; July 3.

CLASS 4.

Cleaning and polishing combination for leather goods. W. E. Harris. 176,180; July 3.
Cleaning compound. C. F. Butterfield. 175,596; July 3.
Cleanser for the toilet, Antiseptic. Triple S Service Corporation. 174,370; July 3.
Leather preservatives. G. L. Reish. 175,324; July 3.
Paste for cleaning false teeth. H. Merritt. 178,182; July 3.
Preparation for cleaning. Polygon Products Co. 177,515; July 3.
Soap. Taunton Electro-Chemical Company. 175,277; July 3.
Soap, Laundry. Luckel, King & Cake Soap Company. 166,457; July 3.
Waterproof dressing for automobile tops. J. Metke. 159,521; July 3.

CLASS 6.

Chemical composition for removing carbon from internal combustion engines. Buffalo Specialty Company. 161,522; July 3.
Insecticide. D. V. Burrell. 175,297; July 3.
Medicinal preparation to be used as a laxative and cathartic. Eli Lilly & Company. 161,366; July 3.
Nickel Ammonium sulphate. British America Nickel Corp'n Ltd. 143,978; July 3.
Nickel sulphate. British America Nickel Corp'n Ltd. 143,977; July 3.
Ointments, influenza medicine, laxative tablets, etc. M. H. Beveridge. 160,240; July 3.
Perfumery, toilet preparations. Max Ebb Gesellschaft mit beschränkter Haftung. 166,176; July 3.
Pharmaceutical preparations for coughs, whooping cough, etc. V. Baldacci. 170,921; July 3.
Preparations for treatment of fever, polyarthritis, etc. Farbwerke vorm. Meister Lucius & Bruning. 175,078; July 3.

CLASSIFIED LIST OF TRADE-MARK TITLES.

PUBLISHED FOR OPPOSITION.

[Act of Feb. 20, 1905, Sec. 6, as amended Mar. 2, 1907.]

CLASS 12.

Asphalt and paving materials containing asphalt. Barber Asphalt Paving Company. 163,965; July 3.
Bricks and roofing tile, Building. N. Esperson. 171,586; July 3.
Lime, Ground and hydrated. Security Cement & Lime Co. 165,760; July 3.
Limestone, chalk whiting, chalk, asphalt filler, and whiting. Krippendorf-Tuttle White Cliffs Products Co. 176,482; July 3.
Preparations to be incorporated with mortar, cement, etc., for the purpose of coloring, hardening, etc., the setting. Master Builders Company. 170,148; July 3.

CLASS 13.

Baths, coffee and rice boilers, bowls, etc., Baby. Shapleigh Hardware Company. 162,358; July 3.
Cooking utensils, etc., over an open fire, Devices for supporting. Campfire Manufacturing Company. 155,737; July 3.
Key chains. Boye Needle Co. 179,773; July 3.
Pans, saucepans, stock pots, kettles, etc., Frying. Nickel Fabricating Corporation. 174,908; July 3.

CLASS 14.

Steel sheets, bars, and plates. R. G. Hird. 176,127; July 3.

CLASS 16.

Oil, Paint. James B. Sipe & Company. 179,331; July 3.
Paint for metal surfaces, Primer. James B. Sipe & Company. 179,325; July 3.
Paint, Paste. James B. Sipe & Company. 179,326; July 3.
Paint, Paste and ready-mixed. Colonial Works. 180,097; July 3.
Paints, varnishes, paint enamels, and dry pigment. Beadley-Wise Paint Co. 180,732; July 3.
Polish, Automobile and piano. K. Smuckler. 173,939; July 3.
Polish, Automobile, piano, and furniture. A. N. Sanderson. 180,082; July 3.
Varnish stains and paint enamel. Peaslee-Gaulbert Co. 179,882; July 3.
Wall finishes and reducers. Hockaday Company. 179,940; July 3.

CLASS 17.

Cigarettes. I. Blum. 178,213; July 3.
Cigars. R. J. Seidenberg Co. 178,003; July 3.

CLASS 19.

Airships, balloons, kites, aviation and aeronautical accessories, Goodyear Tire & Rubber Company. 164,498; July 3.
Trucks. Chase Foundry and Manufacturing Company. 165,668; July 3.

CLASS 22.

Baseballs and baseball gloves. Bon-Tober Sporting Goods Co. 179,394; July 3.
Fishing lines, rods, snelled hooks, and leaders. A. G. Hall. 180,065; July 3.
Game, Card. H. Storrsard. 178,699; July 3.
Golf clubs. Crawford, McGregor & Canby Company. 171,623; July 3.

CLASS 23.

Carburetors and structural parts and fittings therefor. Eagle Carburetor Company. 178,434; July 3.
Dies, Steel marking. Jas. H. Matthews & Company. 177,791; July 3.
Engines, etc., Poppet valves for internal-combustion. Steel Products Company. 178,069–70; July 3.
Fire-extinguishing apparatus. Foamite-Childs Corporation. 178,984; July 3.
Knives, Table. American Cutlery Company. 149,621; July 3.
Locomotives, Auxiliary engines for. Franklin Railway Supply Company. 166,825; July 3.
Oil-well machinery and tools. Boykin Machinery & Supply Co. 174,062; July 3.
Saws, hammers, sledges, etc. Sandvikens Jernverks Aktiebolag. 178,871; July 3.
Saws, hammers, sledges, etc. Sandvikens Jernverks Aktiebolag. 178,872; July 3.
Screen scratcher and rubber. M. L. Crawford. 173,813; July 3.
Transmission or crank casing parts. Hudson Motor Specialties Company. 158,677; July 3.

CLASS 26.

Caliper gauges. Pratt & Whitney Company. 164,452; July 3.
Pens. Eugene Dietzgen Co. 175,136; July 3.
Photographic and telescopic objectives, photographic cameras, etc. Optische Anstalt C. P. Goerz A. G. 169,984; July 3.
Ring and magnifying glasses, Finger. C. M. Wiseman. 176,520; July 3.

CLASS 31.

Refrigerating apparatus. D. Eddy and Sons Co. 179,994; July 3.
Refrigerators and parts, refrigerating systems. National Electric Products Corporation. 177,140; July 3.

CLASS 32.

Hammocks and stands therefor, Couch. Atlas Hammock Co. 173,048; July 3.
Pillows. L. Lowenstein & Son. 157,491; July 3.

CLASS 34.

Boilers, Steel. Wickes Boiler Co. 162,860; July 3.
Cookstoves, ranges, etc. Hammer-Bray Company. 160,604; July 3.

CLASS 35.

Belting, Leather. J. Bachmann. 177,760; July 3.
Tires and inner tubes, Rubber. L. L. Chadwin. 179,030; July 3.

CLASS 37.

Announcements. Richter Card & Paper Co. 179,224; July 3.
Papers and mailing envelopes, Writing and printing. Whiting Paper Company. 180,161; July 3.
Pens, Fountain. Miller's Book Store, Inc. 179,377; July 3.

CLASS 38.

Booklets and bonds. Caldwell & Company. 173,562; July 3.
Newspaper and magazine articles, prints, and publications. A. G. Calkins. 178,162; July 3.
Photographic prints. Fowler & Slater Co. 178,380; July 3.
Photographic prints. G. Harmouth. 175,592; July 3.
Publications and printed literature. Philadelphia Quartz Company. 158,728; July 3.

CLASS 39.

Blouses, ladies', children's, and misses' dresses, knickers, boys' suits, bloomers, overshirts, etc., Middy. H. W. Goldman. 177,484; July 3.
Boots and shoes. E. E. Taylor Co. 176,293–4; July 3.
Boots and shoes of leather. Corson Shoe Manufacturing Company. 171,205; July 3.
Boots, shoes, slippers, and sandals. Bloom Sublyme Shoe Co. 171,524; July 3.
Cloaks and capes, Children's. Shoninger-Heinsheimer Manufacturing Co. 171,963; July 3.
Cloaks, capes, and suits, Juniors' and misses'. Shoninger-Heinsheimer Manufacturing Co. 171,964; July 3.
Corsets. Weingarten Bros. 173,061; July 3.
Dresses, women's robes and gowns, suits, etc. A. & S. Levy Co. 172,001; July 3.
Garters. President Suspender Company. 166,787; July 3.
Hats, Ladies'. H. W. Jaediker. 177,300; July 3.
Overalls, coats, pants, jumpers, etc. Ironall Factories Co. 164,707; July 3.
Pants, Norfolk jackets, coats, and vests. Sweet-Orr & Co. 174,221; July 3.
Pyjamas, shirts, nightshirts, and men's robes. Knothe Brothers Co. 171,422; July 3.
Shirts, Men's, youths', and boys'. Levi Strauss & Co. 153,477; July 3.
Shoes. Niagara Shoe Company. 171,029; July 3.
Shoes, Leather. J. F. Kolkebeck. 175,723; July 3.
Sweaters and dress skirts, Knitted. Knitwear Manufacturing Co. 157,431; July 3.
Undergarments. Jacob Miller's Sons Co. 172,004; July 3.
Underwear and pyjamas, shirts, etc. Excelsior Underwear Co. 171,910; July 3.

CLASS 40.

Beads and bead trimming. Leo F. Phillips & Co. 165,599; July 3.
Braids, tassels, passementeries, and garniture. Morisse Lace & Embroidery Co. 177,983–4; July 3.
Dress shields. Associated Merchandising Corporation. 178,705; July 3.
Dress shields. I. B. Kleinert Rubber Company. 179,104; July 3.
Fringes and art needlework. Powers, Friend & Lichtman. 179,426; July 3.
Hair curlers. West Electric Hair Curler Company. 180,313; July 3.
Needles for hand sewing. John James & Sons Limited. 178,105; July 3.
Rickrack braid and shirred ribbon elastic. Barash Brothers, Inc. 180,738; July 3.
Tape. Associated Merchandising Corporation. 178,704; July 3.

CLASS 42.

Cotton fabrics. Friedman & Krieger. 179,528; July 3.
Cotton piece goods. Kummer, Upmann & Co. 179,608; July 3.
Cotton piece goods. Neuss, Hesslein & Co. 179,620; July 3.
Cotton piece goods. Pacific Mills. 180,139; July 3.
Cotton piece goods. Wilton Manufacturing Company. 180,038–9; July 3.
Fabrics, Netted or wide-mesh. James Thompson & Co. 179,631; July 3.

PUBLISHED FOR OPPOSITION.

[Act of Feb. 20, 1905, Sec. 6, as amended Mar. 2, 1907.]

Knitted wool and cotton goods in the piece. Vary Knit Co. 179,836; July 3.
Satin in the piece, Cotton-back. Schwarzenbach Huber Company. 180,146; July 3.
Silk and artificial-silk, cotton, linen, etc., piece goods. Schwarzenbach Huber Company. 180,145; July 3.
Textile fabrics in the piece, etc., Woven and knitted. Knitted Textile Corporation. 179,798–9; July 3.
Worsted, woolen, etc., piece goods. Walther Manufacturing Co. 179,902; July 3.
Worsted, worsted and cotton, etc., piece goods. Walther Manufacturing Co. 179,569; July 3.

CLASS 44.

Furniture, Aseptic. Reid Bros., Inc. 168,790; July 3.

CLASS 45.

Beverages sold as a soft drink. Mouquin Rt. & Wine Co. 174,405; July 3.
Beverages sold as soft drinks, Maltless carbonated. Florida Products Co. 178,032; July 3.
Sirups for soft drinks, Maltless soda-fountain. Elgot and Giuntini. 177,659; July 3.
Water, Artificially-prepared mineral. J. A. Steele. 176,292; July 3.

CLASS 46.

Apples, Fresh. Denney & Co. 166,657; July 3.
Bacon, ham, breakfast-bacon squares. Schaffner Brothers Company. 169,929; July 3.
Candies and candied fruit. Miller & Paine, Inc. 176,750; July 3.
Candies, Chocolate. Clinton Copeland Co. 162,532; July 3.
Candy. Elmer Candy Co. 175,077; July 3.
Candy. Elmer Candy Co. 175,229; July 3.
Candy. Euclid Candy Co. 176,171; July 3.
Candy. M. A. Hasty. 175,492; July 3.
Candy. Walter M. Lowney Company. 177,235; July 3.
Candy. New England Confectionery Company. 154,810; July 3.
Candy. A. B. Mewhinney Co. 168,481; July 3.
Candy. Planters Nut & Chocolate Company. 176,567–8; July 3.
Candy. John G. Woodward & Co. 176,238; July 3.
Candy, Chocolate. C. C. Brown Candy Co. 169,279; July 3.
Canned and dehydrated fruits and vegetables. King's Food Products Co. 171,129; July 3.
Canned and dried fruits and vegetables. Johnson-Locke Mercantile Co. 168,314; July 3.
Canned crab meat. Taiyo Trading Co. 176,769; July 3.
Canned fish. Abbott, Hall & Co. 177,580; July 3.
Canned fruits. Oregon Growers Cooperative Association. 174,851; July 3.
Canned fruits. Ray-Maling Co. 175,809; July 3.
Canned fruits and berries. Ray-Maling Co. 175,812; July 3.
Canned fruits and vegetables. Allen & Lewis. 174,379; July 3.
Canned fruits and vegetables. Holland Canning Company. 171,917; July 3.
Canned fruits and vegetables. Oregon Growers Cooperative Association. 167,411–2; July 3.
Canned fruits, berries, and vegetables. Ray-Maling Co. 175,810; July 3.
Canned okra. C. Perceval. 177,047; July 3.
Canned salmon. Chinook Packing Co. 172,975; July 3.
Canned tunny fish. Seacoast Canning Company. 173,303; July 3.
Canned vegetables. A. W. Feeser. 174,615; July 3.
Cantaloupes, Fresh. Miller-Cummings Company. 173,436; July 3.
Cantaloupes, melons, etc., Fresh. Miller-Cummings Company. 173,435; July 3.
Caramels. Phoebe Phelps Caramel Co. 177,243; July 3.
Chocolate malted concentrate. Sethness Company. 174,265; July 3.
Coffee. F. Cotera. 168,208; July 3.
Coffee. Vaughn Grocery Company. 174,948; July 3.
Coffee. H. M. Wagner. 173,614; July 3.
Dates. Th. Giocalas & V. Coyimzoglu. 174,438; July 3.
Fish cakes and canned fish. M. Kumamoto. 175,015; July 3.
Flavoring extracts for food. Hudson Manufacturing Company. 165,403; July 3.
Fruit preserves, honey, and mincemeat. Standard Syrup Company. 177,631; July 3.
Fruits, Fresh citrous. W. G. Roe. 177,410; July 3.
Fruits, Fresh citrous and deciduous. L. A. Banks. 161,959; July 3.
Fruits, Fresh deciduous. W. A. Caldwell. 169,236; July 3.
Fruits, Fresh deciduous. B. T. Shute. 176,221; July 3.
Fruits, fresh vegetables, etc., Fresh deciduous and citrous. Pleasant Grove Canning Company. 171,951; July 3.
Grapes, Fresh. Sunset Fruit Co. 168,387; July 3.
Gum, Chewing. R. H. Cobb. 155,253; July 3.
Gum, Chewing. Franklin-Caro Company. 101,984; July 3.
Hams, shoulders, bacon, sausage, tongues, dried beef, jowls, butts, and lard. Indianapolis Abbattoir Company. 177,380; July 3.
Ice cream and frozen dainties. F. E. Mayol. 165,697; July 3.
Ice-cream cones. H. L. Goodwin. 165,258; July 3.
Ice-cream confections. Sullivan, Hensley & Ponto. 177,145; July 3.
Ice-cream preparation. W. Klug. 174,696; July 3.
Jellies. V. P. Kennard. 176,130; July 3.
Marmalade, jams, and preserved fruits. T. K. Mott. 176,850; July 3.
Meats and meat products. M. Auth Prov. Co. 162,092–3; July 3.
Nuts and nut products. United Fig & Date Co. 157,701; July 3.
Nuts, Brazil. United Fig & Date Company. 176,298; July 3.
Oil, Olive. H. Karlin. 176,550; July 3.
Oil, Olive. D. Micheletti. 174,585; July 3.
Oil, Olive. C. Perceval. 176,913; July 3.
Oranges and lemons, Fresh. Escondido Citrus Union. 177,369; July 3.
Peanuts and peanut butter, Salted. F. M. Hoyt. 171,320; July 3.
Pineapple glacé, glacé assorted fruits, and crystallized ginger. Causse Manufacturing & Importing Co. 177,274; July 3.
Pop corn, Candied. Mercier Bros. 175,150; July 3.
Pork and beans and canned concentrated strained tomatoes. Edward V. Stockham, Inc. 158,689; July 3.
Prunes, Fresh. W. C. Stone. 166,020; July 3.
Rennet, junket tablets, and lactic ferment. N. Kjaergaard Jensens Tekn. Kem. Fabrik. 154,654; July 3.
Roast, spaghetti, potted beef, tripe stew, etc., Pot. C. Molinelli. 176,354; July 3.
Sausage and sausage meat. Keane Provision Co. 175,085; July 3.
Sausage, boiled ham, etc. Schaffner Brothers Company. 169,931; July 3.
Sea food. Star Fish & Oyster Co. 174,156; July 3.
Sirup, Bakers'. Adolph Coors Company. 166,591; July 3.
Sirup, Grape-flavored. Queen City Extract Company. 163,595; July 3.
Sirups and extracts for flavoring food. Walker Bros. Co. 173,261; July 3.
Sugar tablets, Flavored. Mills Novelty Company. 175,260; July 3.
Tomato hot sauce, canned vegetables, fruits, and fish, Bayside Canning Company. 165,339; July 3.
Vegetable and mineral compound for neutralizing lactic acids in whipping cream and eggs. J. H. Lewis. 175,253; July 3.

CLASS 50.

Asbestos mats. Gillen-Cole Co. 171,312; July 3.
Bottles, jars, etc., Caps or closures for. George A. Haynes, Inc. 180,762; July 3.
Decorating outfits. R. F. Johnston Paint Company. 176,631; July 3.
Furniture moving pads, tents, tarpaulins, and awnings, etc. A. Bruns & Sons. 177,544; July 3.
Rubber matting. Paine & Williams Company. 178,060; July 3.

ALPHABETICAL LIST OF PATENTEES

TO WHOM

PATENTS WERE ISSUED ON THE 3D DAY OF JULY, 1923.

NOTE.—Arranged in accordance with the first significant character or word of the name (in accordance with city and telephone directory practice). **Includes patents, reissues, and designs.**

A. C. Gas Register Company, The. (See Collins, W. T., and Adams, assignors.)
Abbott, Claude H., Lisbon, N. Dak. Draft regulator. 1,460,634; July 3.
Abbott, Franklin E., Buffalo, N. Y., assignor, by mesne assignments, to Bethlehem Steel Company of New York, Inc. Splice bar for rail joints. 1,460,742; July 3.
Abbott, Richard H. S., and J. B. Close, London, England. Apparatus for molding plastic substances. 1,460,933; July 3.
Abraham, Herbert, New York, N. Y., assignor to The Ruberoid Company. Packaging shingles. 1,460,833; July 3.
Absmeier, Carl, Grand Rapids, Mich. Pool-table register. 1,460,527; July 3.
Actien Gesellschaft für Anilin Fabrikation. (See Kaltwasser, O., and Kirberger, assignors.)
Adams, Claude B. (See Collins, W. T., and Adams.)
Adams, Joseph H., Flatbush, N. Y., assignor to The Texas Company, Houston, Tex. Apparatus for the conversion and transformation of liquids, fluids, and oils. 1,461,017; July 3.
Addograph Company. (See Crawley, Mansfield C., assignor.)
Adsit, George, assignor to Benjamin Eastwood Company, Paterson, N. J. Beam support. 1,460,468; July 3.
Aktiebolaget Arca Regulatorer. (See Carlstedt, Ragnar, assignor.)
Albrecht, John, Kewaunee, Wis. Box-making machine. 1,460,693; July 3.
Alchemic Gold Company Inc. (See Satenstein, Sidney, assignor.)
Allen, David, New York, N. Y. Coin-changing mechanism. 1,460,878; July 3.
Allen, David, New York, N. Y. Vending machine. 1,460,879; July 3.
Allwright, Sidney E., Houston, Tex. Gauge. 1,460,563; July 3.
Alton, Isaac S., Oxford, Kans. Elevator dump. 1,460,635; July 3.
American Radiator Company. (See Mertzanoff, André M., assignor.)
American Road Machinery Company. (See Polk, William D., assignor.)
Amdursky, Samuel S., assignor to Taylor Instrument Companies, Rochester, N. Y. Automatic valve. 1,461,010; July 3.
American Telephone and Telegraph Company. (See Darrow, Leo H., assignor.)
American Telephone and Telegraph Company. (See Parker, Raizemond D., assignor.)
Anderson, Carl L., et al. (See Swenson, Carl E., assignor.)
Anderson, Harry B., et al. (See Ashley, Erle G., assignor.)
Anderson, Harold N., Cleveland, Ohio. Apparatus for rolling gears by a new method. 1,460,528; July 3.
Anderson, Ulrich, Wausau, Wis. Grinding machine. 1,460,934; July 3.
Ansart, Louis L., assignor to Underwood Computing Machine Company, New York, N. Y. Computing machine. 1,460,469; July 3.
Arbuckle, Samuel F., Connersville, Ind., assignor to Monogram Lens Corporation, New York, N. Y. Headlight construction. 1,460,834; July 3.
Arbuckle, Samuel F., Detroit, Mich., assignor to Monogram Lens Corporation, New York, N. Y. Making light distributors and manufacturing the same uniformly in quantities. 1,460,835; July 3.
Arbuckle, Samuel F., Detroit, Mich., assignor to Monogram Lens Corporation, New York, N. Y. Glass-molding burnishing process and apparatus. 1,460,836; July 3.
Armagnat, Pierre J., Paris, France. Wavemeter. 1,460,636; July 3.
Arnaud, Benjamin A., assignor to Societe Lyonnaise de Compteurs d'Eau, Lyon, France. Water meter. 1,460,880; July 3.
Arsinger, William F., Jersey City, N. J. Luminous pendant. 1,460,694; July 3.
Ashley, Erle G., Memphis, Tenn., assignor of one-third to H. B. Anderson and one-third to D. R. Thomas, Memphis, Tenn. Woodworking machinery. 1,460,780; July 3.
Ashley, Raymond T., Reno, Nev. Draft means. 1,460,564; July 3.
Askins, Joseph, Lima, Ohio. Vaporizer and mixer for internal-combustion engines. 1,460,470; July 3.
Augensen, August M., Grand Junction, Colo. Can-capseaming apparatus for varnish cans, etc. 1,460,398; July 3.
Auletta, Alfred, assignor of one-third to P. Paris, Bayonne, N. J. Shuttle-operating mechanism. 1,460,637; July 3.
Automatic Electric Company. (See Homrighous, John H., assignor.)
Automatic Electric Company. (See Martin, Talbot G., assignor.)
Automatic Refrigerating Company, The. (See Lundgaard, Ivar, assignor.)
Autosales Corporation. (See Coseglia, Anthony, assignor.)
Axcona, Alberto, Magdalena, Mexico. Combined ruler and blotter. 1,460,935; July 3.
Bailey, Percy T., Middletown, R. I. Fencepost attachment. 1,460,936; July 3.
Bain, Charles W., Indianapolis, Ind. Pneumatic-tire protector. 1,460,781; July 3.
Baird-Daniels Company Incorporated, et al. (See Popper, Joseph, assignor.)
Baird, Dudley, Berkeley, Calif., assignor to General Chemical Company, New York, N. Y. Rabbling arm for roasting furnaces. 1,460,658; July 3.
Balmer, Robert, Toronto, Ontario, Canada. Apparatus for the destruction of refuse. 1,460,565; July 3.
Balmer, Robert, Toronto, Ontario, Canada. Refuse-disposal plant. 1,460,566; July 3.
Bancroft, Frank H., assignor to P. Derby & Co., Inc., Gardner, Mass. Upholstery. 1,460,399; July 3.
Bangert, Adolph, and F. May, New York, N. Y.; said F. May assignor of his entire right to C. May, Jersey City, N. J. Wrench. 1,460,837; July 3.
Bannon, Frank A., assignor of two-thirds to R. Keller and one-third to W. A. Thornton, Dallas, Tex. Lubricating, cleaning, and painting apparatus. 1,460,695; July 3.
Barks, Frank S., assignor to Lincoln Steel and Forge Company, St. Louis, Mo. Mine car. 1,460,696; July 3.
Barnard, Thomas H., Toronto, Ontario, Canada. Strain clamp. 1,460,567; July 3.
Barron, Andrew J., Cincinnati, Ohio, assignor to Cincinnati Horse Shoe & Iron Company. Automobile spring-supporting mechanism. 1,460,782; July 3.
Barrs, Edward, London, England. Process and apparatus for coking the discharged material from low-temperature distillation apparatus. 1,460,638; July 3.
Bassett, Robert S., Buffalo, N. Y. Liquid meter. 1,460,471; July 3.
Bastheim, Gustave, Pittsburgh, Pa. Wrist-watch casing. Des. 62,598; July 3.
Bauman, Arthur E., Akron, Ohio. Resilient wheel. 1,460,783; July 3.
Bean, Roscoe, Berea, Ohio. Refacing tool. 1,460,838; July 3.
Beavan, James F., Binghamton, N. Y. Timer brush. 1,460,937; July 3.
Belknap, Charles B., Detroit, Mich. Dishwashing apparatus. 1,460,400; July 3.
Benckenstein, Charles H., Vinton, La. Tubing spider. 1,460,401; July 3.
Benckenstein, Charles H., Vinton, La. Tubing spider. 1,460,402; July 3.
Bendlin, Alfred W., Milwaukee, Wis. Adjustable bracket. 1,460,697; July 3.
Benjamin Eastwood Company. (See Adsit, George, assignor.)
Benjamin, John M., Beverly, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J. Actuating mechanism for work supports. 1,460,362; July 3.
Benjamins, Israel, Brooklyn, N. Y. Means for securing window sashes in position. 1,460,361; July 3.
Benson, Thomas W., assignor to Miller Lock Company, Philadelphia, Pa. Detachable keyhole seal for padlocks. 1,460,472; July 3.
Berenstein, Frank, Chelsea, assignor to Panther Rubber Manufacturing Company, Stoughton, Mass. Shoe heel. Des. 62,599; July 3.
Berger Bros. Company. (See Rigby, Thomas, assignor.)
Berger, Frank P., et al. (See Carey, Bert C., assignor.)
Berlin, George C. (See Sebree, C. H., and Berlin.)
Bernard, Pierre J. H., Montreal, Quebec, Canada. Radiator. 1,460,881; July 3.

Berry, Herbert H., Springfield, Mass. Distributing-box connection for electrical conductors. 1,460,698; July 3.

Bethel, Albert R., Mintola, assignor to Illinois Glass Company, Bridgeton, N. J. Valve mechanism for glass machines. 1,460,363; July 3.

Bethlehem Steel Company of New York, Inc. (See Abbott, Franklin E., assignor.)

Betts, William, Johnson City, N. Y. Vending machine. 1,460,882; July 3.

Bickel, Henry F., Plainfield, N. J., assignor to New York Air Brake Company. Train-pipe connector. 1,460,364; July 3.

Biggam, Harry F., assignor to The Biggam Trailer Co., Milwaukee, Wis. Trailer coupling. 1,460,839; July 3.

Biggam Trailer Co., The. (See Biggam, Harry F., assignor.)

Binns, Edward H. and R. H., Pittsburgh, Pa. Holder. 1,460,743; July 3.

Binns, Ralph H. (See Binns, Edward H. and R. H.)

Bishop, George E., Cleveland, Ohio. Automobile inclosure. 1,460,529; July 3.

Bishop, John A., Clearwater, Fla. Fluid-fuel burner. 1,460,473; July 3.

Blackmore, Henry S., deceased, Mount Vernon, N. Y.; I. Blackmore and S. L. Tingley, administrators. Pigment and paint. 1,460,699; July 3.

Blackmore, Isabelle, et al., administrators. (See Blackmore, Henry S.)

Blair, J. C., Company. (See McSheehy, Bartholomew E., assignor.)

Blake, C. C., Incorporated. (See Small, Lewis F., assignor.)

Blaw-Knox Company. (See Lehman, Irvin F., assignor.)

Blevans, James L. D., Dallas, Tex. Boot and liner for automobile and similar casings. 1,460,659; July 3.

Bogart, Edward, et al. (See Lemoigne, William, assignor.)

Bondi, James, Buffalo, N. Y. Mold for cement blocks. 1,460,403; July 3.

Bonsall, Charles D., Pittsburgh, assignor to P. H. Murphy Company, New Kensington, Pa. Car roof. 1,460,568; July 3.

Boomershine, Adam, assignor of one-half to J. C. Slager, Dayton, Ohio. Oil retainer for journal boxes. 1,460,809; July 3.

Bougher, Samuel C., Philadelphia, Pa. Rotary brush. 1,460,883; July 3.

Boutte, Octave J., assignor of one-half to J. D. McCall, Beaumont, Tex. Nut lock. 1,460,884; July 3.

Bowen, David R., and C. F. Schnuck, assignors to Farrel Foundry and Machine Company, Ansonia, Conn. Mixing or masticating heavy plastic material. 1,460,938; July 3.

Bowles, Joseph P., West New Brighton, N. Y. Button. 1,460,840; July 3.

Boyd, John S., and T. F. Boyd, assignors to John S. Boyd Co. Inc., Williamstown, Mass. Textile fabric. Des. 62,600; July 3.

Boyd, John S., and T. F. Boyd, assignors to John S. Boyd Co. Inc., Williamstown, Mass. Textile fabric. Des. 62,601; July 3.

Boyd, John S., and T. F. Boyd, assignors to John S. Boyd Co. Inc., Williamstown, Mass. Textile fabric. Des. 62,602; July 3.

Boyd, John S., Company Inc. (See Boyd, John S. and T. F., assignors.)

Boyd, Thomas F. (See Boyd, John S. and T. F.)

Boyer, George A., assignor of one-half to M. I. Heron and one-half to N. C. Heron, Los Angeles, Calif. Grease retainer for journal bearings. 1,460,939; July 3.

Boyle, Hugh, Brooklyn, N. Y. Apparatus for conditioning couch rolls. 1,460,305; July 3.

Boysen, Iwer, New York, N. Y. Taking pictures. 1,460,744; July 3.

Braddick, Bernard L., Washington, D. C. Combined field oven and cooking utensil. 1,460,639; July 3.

Bradley Pulverizer Company. (See Gibson, W. A., and Needham, assignors.)

Braisted, Harry P., Woodmont, assignor to The John Hugo Manufacturing Company, New Haven, Conn. Toy. Des. 62,603; July 3.

Brand, Adolph L. (See Phelps, Byron, assignor.)

Brandenberger, Heinrich, Vienna, Austria. Method and machine for planing helical teeth, more particularly for bevel gears. 1,460,640; July 3.

Brenne, Richard, assignor to Kaestner & Hecht Company, Chicago, Ill. Guide shoe for elevators. 1,460,404; July 3.

Brewer, Oscar Z., Spokane, Wash. Timing mechanism. 1,460,405; July 3.

Brewer-Titchener Corporation, The. (See Conine, Ernest E., assignor.)

Briody, Bernard, Chicago, Ill., assignor to Truscon Steel Company, Youngstown, Ohio. Contraction joint for roadways. 1,460,841; July 3.

Brockney, James L., and E. George, Detroit, Mich. Spark plug. 1,460,745; July 3.

Brodesser, Peter H., Milwaukee, Wis. System of control for electric elevators. 1,460,569; July 3.

Bronander, Wilhelm B., Montclair, N. J. Internal-combustion engine. 1,460,474; July 3.

Bronander, Wilhelm B., Montclair, N. J. Internal-combustion engine. 1,460,475; July 3.

Brooks, Howard K., New York, N. Y. Golf-stroke counter. 1,460,842; July 3.

Broome, Ernest L., Tarrytown, N. Y. Detachable cigar band. 1,460,641; July 3.

Brosius, Edgar E., Pittsburgh, Pa. Automatic replay and record shift for phonographs. 1,460,940; July 3.

Broughton, Walter C., Kansas City, Mo. *Knockdown concrete building. 1,460,941; July 3.

Brown & Bigelow. (See Kristofek, Frank J., assignor.)

Brown & Sharpe Manufacturing Company. (See Parker, John W., assignor.)

Brown, Francis H., Glen Olden, Pa., assignor to Petroleum Heat and Power Company, Boston, Mass. Apparatus for regulating combustion. 1,460,366; July 3.

Brown Instrument Company. (See Brown, R. P., and Frey, assignors.)

Brown, Jeremiah E., Brooklyn, N. Y. Swing. 1,460,843; July 3.

Brown, Max. (See Currier, Andrew E., assignor.)

Brown, Richard P., and C. P. Frey, assignors to Brown Instrument Company, Philadelphia, Pa. Method of and apparatus for measuring electrical resistance. 1,460,530; July 3.

Buck, Fred, assignor to The Lufkin Rule Company, Saginaw, Mich. Folding rule. 1,460,784; July 3.

Buckeye Brass and Manufacturing Company, The. (See Selker, Harry, assignor.)

Buckley, John, Mattapan, Mass. Control mechanism. 1,460,785; July 3.

Buehner, William F. A., Detroit, Mich. Outboard motor. 1,460,570; July 3.

Buffalo Specialty Company. (See Learman, Frank J., assignor.)

Buffington, Eliza, Madison, N. J. Combined picture book and puzzle. 1,460,700; July 3.

Bullis, Franklin H., Brooklyn, N. Y. Wave turner. 1,460,844; July 3.

Bulman, William V., Philadelphia, Pa. Diestock. 1,460,786; July 3.

Burch, Julius G., Bartlesville, Okla. Jar coupling for oil-well casings. 1,460,787; July 3.

Burger, Martin. (See Wolf, J., and Burger.

Burgess-Norton Manufacturing Company. (See Thompson, Herbert L., assignor.)

Burroughs, George, Monessen, Pa. Case. 1,460,942; July 3.

Burton, Isaac F., Philadelphia, Pa., assignor to Victor Talking Machine Company. Supporting frame for talking-machine motors. 1,460,406; July 3.

Buten, William C. (See Hay, Harry C., assignor.)

Butter, Adolf, Clifton, N. Y. Direction indicator. 1,460,701; July 3.

Cadenhead, Luther D., McKinney, Tex. Bookrack. 1,460,642; July 3.

Cadman, Addi B., assignor to Warner Manufacturing Company, Beloit, Wis. Dumping vehicle. 1,460,810; July 3.

Caleno, Ernest S., Dayton, Ohio. Explosive-engine attachment for bicycles. 1,460,811; July 3.

California Packing Corporation. (See Opperman, Hugh F., assignor.)

Callahan, John F., Brockton, Mass. Hemostatic forceps. 1,460,531; July 3.

Caltrider, Samuel P., and P. P. Sauble, Westminster, Md. Poultry fountain. 1,460,702; July 3.

Cameron, Donald A., Houghton, Mich. Body for children's vehicles. 1,460,944; July 3.

Campbell, James R., and J. L. Reynolds, Scottdale, Pa. Welding compound. 1,460,476; July 3.

Campbell, John A., Quincy, Mass. Surfacing machine. 1,460,497; July 3.

Campbell, Thomas L., Berlin, Pa. Mine-car skid. 1,460,885; July 3.

Campbell, Wyant & Cannon Foundry Co. (See Wickland, Algot A., assignor.)

Canine, Chester W., Cincinnati, Ohio. Conveyer device for laundry assorting and marking booths. 1,460,660; July 3.

Capen, Fred L. (See Wood, G. H., and Capen.)

Capstaff, John G., assignor to Eastman Kodak Company, Rochester, N. Y. Photographic reversal process. 1,460,703; July 3.

Caracristi, Virginius Z. (See Muhlfeld, J. E., and Caracristi.)

Carey, Bayton F., et al. (See Carey, Bert C., assignor.)

Carey, Bert C., assignor of one-fourth to F. P. Berger and one-fourth to B. F. Carey, Sioux City, Iowa. Concrete mixer. 1,460,571; July 3.

Carlile, Frank S. (See Doughty, L. A., and Carlile.)

Carling Tool & Machine Company, The. (See Hokanson, Alexander, assignor.)

Carlstedt, Ragnar, assignor to Aktiebolaget Arca Regulatorer, Stockholm, Sweden. Steam trap. 1,460,746; July 3.

Carman, Frank J., San Francisco, Calif. Drilling wells. 1,460,788; July 3.

Carmean, James H. (See Carmean, Samuel M., and J. H.)

Carmean, Samuel M. and J. H., Kansas City, Mo. Electric cut-out. 1,460,943; July 3.

Carroll, Henry R. (See Crider, Walter R., assignor.)

Carter, William H., Needham Heights, Mass. Seamless stocking and making same. 1,460,477; July 3.

Case, J. I., Threshing Machine Company. (See Davies, David P., assignor.)

Casey-Hedges Co., The. (See Stimmel, Frederick C., assignor.)

Cassidy, Louis G. (See Darnell, E., & Cassidy.)

Celler, Arthur, Brooklyn, N. Y. Soap dissolver and agitator. 1,460,704; July 3.

Chabot, Joseph O., assignor to George L. Paine Company, North Attleboro, Mass. Separable button. 1,461,009; July 3.

Chaplin, Claire, New York, N. Y. Window dog kennel. 1,460,945; July 3.

Chapman, Charles E., assignor of one-half to J. Goodfellow, Fort Edward, N. Y. Priming device for internal-combustion engines. 1,460,886; July 3.

Charling, Lewis H., Kenosha, Wis. Automobile signal. 1,460,572; July 3.

Christ, Alfred W., Chicago, Ill. Roll-retaining device. 1,460,946; July 3.

Church, Edgar D., F. S. Lash, and J. W. Van Brunt, assignors to Jackson & Church Company, Saginaw, Mich. Automatic measuring device. 1,460,573; July 3.

Cibles Automatiques Michoud Societe Anonyme. (See Michoud, Arnold, assignor.)

Cincinnati Horse Shoe & Iron Company. (See Barron, Andrew J., assignor.)

Clark, Henry F., Oakmont, assignor to Window Glass Machine Company, Pittsburgh, Pa. Burner for furnaces. 1,460,947; July 3.

Clarke, Harry D., Plattsmouth, Nebr., assignor to The Ohio Tractor Company, Columbus, Ohio. Double-reduction drive for motor vehicles. 1,460,532; July 3.

Close, James B. (See Abbott, R. H. S., and Close.)

Clough, Percy, Keighley, England. Flier for spinning, twisting, doubling, and analogous machines. 1,460,887; July 3.

Colby, George R., Portland, Oreg. Compression inner tube for tires. 1,460,533; July 3.

Collignon, William C., Chicago, Ill. Speed governor for pneumatic motors. 1,460,705; July 3.

Collins, James E. (See Koon, A. J., Hoogerhyde, and Collins.)

Collins, Walter H. (See Moore, Max J., assignor.)

Collins, Wesley T., and C. B. Adams, assignors to The A. C. Gas Register Company, Colorado Springs, Colo. Pump-controlled recording apparatus. 1,460,367; July 3.

Commercial Furniture Company. (See Stringe, Alfred H., assignor.)

Comstock, Daniel F., Cambridge, assignor to Kalmus, Comstock & Wescott, Inc., Boston, Mass. Production of complemental images. 1,460,706; July 3.

Conine, Ernest E., assignor to The Brewer-Titchener Corporation, Cortland, N. Y. Luggage carrier. 1,461,008; July 3.

Consolidated Car-Heating Company. (See Hynes, Lee P., assignor.)

Continental Motors Corporation. (See Mills, James P., assignor.)

Cook, Frederick D., Fairmont, W. Va. Continuously melting vitreous enamels. 1,460,888; July 3.

Cook, Grant L. (See Welpley, Walter W., assignor.)

Cooper, Arthur S., Santa Monica, Calif. Tank. 1,460,999; July 3.

Cornwall, Frederick R., St. Louis, Mo. Monorail transportation system. 1,460,534; July 3.

Cortés, Salustio V., Valparaiso, Chile. Aerial propelling machine. 1,460,948; July 3.

Coseglia, Anthony, West Hoboken, N. J., assignor, by mesne assignments, to Autosales Corporation. Coin-controlled vending machine. 1,460,574; July 3.

Cotono Corporation. (See Wadsworth, Philip C., assignor.)

Crawford, William E., Havre, Mont. Spring wheel. 1,460,889; July 3.

Crawley, Mansfield C., Rutherford, N. J., assignor to Addograph Company, Los Angeles, Calif. Power typewriter. Re15,640; July 3.

Crider, Walter R., Indianapolis, assignor of one-half to H. R. Carroll, Evansville, Ind. Internal-combustion engine. 1,460,789; July 3.

Critchett, James H., Niagara Falls, N. Y., assignor to Union Carbide & Carbon Research Laboratories, Inc. Welding rod. 1,460,790; July 3.

Crook, Charles M., Chicago, Ill. Timing apparatus. 1,460,707; July 3.

Crook, Jere L., jr., Jackson, Tenn. Calf feeder. 1,460,890; July 3.

Crowell, Henry W., Glen Ridge, N. J. Machine for shucking vegetable ivory nuts. 1,460,747; July 3.

Cummings, John M. (See Hill, John E., assignor.)

Cunningham, E. T. (See Danielson, Ernest G., assignor.)

Cunningham, Ralph C., Tacoma, Wash. Game-piece support. 1,460,791; July 3.

Curme, George O., jr. (See Haynes, P. E., and Curme.)

Currier, Andrew E., Millis, assignor to M. Brown, Boston, Mass. Paper-reenforcing machine and method thereof. 1,460,949; July 3.

Curtis, Charles F., London, England. Cementitious compositions suitable for flooring, paving, and so forth. 1,460,643; July 3.

Cutler-Hammer Mfg. Co. (See Hunter, Richard B., assignor.)

Cutler-Hammer Mfg. Co., The. (See Stevens, William C., assignor.)

Cutler-Hammer Mfg. Co. (See Yerger, Charles W., assignor.)

Danielson, Ernest G., assignor to E. T. Cunningham, San Francisco, Calif. Rheostat. 1,460,408; July 3.

Darnell, Eugene, and L. G. Cassidy, Wichita, Kans. Combination ladder. 1,460,792; July 3.

Darrow, Leo H., New York, N. Y., assignor to American Telephone and Telegraph Company. Electric signaling system. 1,460,368; July 3.

Davies, David P., assignor to J. I. Case Threshing Machine Company, Racine, Wis. Piston. 1,460,535; July 3.

Davies, Phil, Woolahra, New South Wales, Australia. Device for replacing fuse wire and for indicating blown-out electric circuits. 1,460,478; July 3.

Davis, Arthur P., assignor to E. A. Sperry, Brooklyn, N. Y. Feeding and rotating means for electrodes. 1,460,793; July 3.

Dean, Anthony C. (See Winters, Robert E., assignor.)

Dean, Lyndon, Taloga, Okla. Spoke. 1,460,536; July 3.

De Coninck, Marcel, Le Havre, France. Flexible gearing. 1,460,661; July 3.

De Guire, Georges A., Montreal, Quebec, Canada. Mixing chamber for fluid-fuel burners. 1,460,369; July 3.

Dehn, William M., Seattle, Wash. Manufacturing diazodinitrophenol. 1,460,708; July 3.

De Laval Separator Company, The. (See Hapgood, Cyrus H., assignor.)

Denney, William H., South Orange, N. J. Vanity case. 1,460,950; July 3.

Dentists' Supply Company, The. (See Williams, James L., assignor.)

Derby, P., & Co. (See Bancroft, Frank H., assignor.)

De Shields, Julia W., Riverdale-on-Hudson, N. Y. Foot rest. Des. 62,604; July 3.

De Voe, Albert H., Westfield, N. J., assignor to The Singer Manufacturing Company. Sewing machine. 1,460,891; July 3.

Dewar, Robert L., Grand Rapids, Mich. Engine piston. 1,460,537; July 3.

Diegel, John F. W., Manitowoc, Wis. Automobile signal. 1,460,709; July 3.

Dieter, William, Newark, N. J. Air-leak vent for torpedoes. 1,460,370; July 3.

Diveibiss, Newton C., San Francisco, Calif. Automobile brake. 1,460,892; July 3.

Diveibiss, Newton C., San Leandro, Calif. Automobile brake. 1,460,893; July 3.

Dix, Arthur, Taft, Calif. Casing cutter. 1,460,894; July 3.

Dixen, Laue F. J., Frederiksberg, near Copenhagen, Denmark. Machine for preparing buttered bread. 1,460,371; July 3.

Dixon, Albert S., Los Angeles, Calif. Folding ladder. 1,460,479; July 3.

Dobbs, Willis. (See Rowan, John C., assignor.)

Dochnal, Mathias, St. Louis, Mo. Burial vault. 1,460,409; July 3.

Dollison, James M., and C. E. Smith, Columbus, Ohio. Changeable-color spotlight. 1,460,644; July 3.

Donovan, William J., Philadelphia, Pa. Curtain and drapery support. 1,460,575; July 3.

Dorman, Harley A. (See Weiske, W. C., and Dorman.)

Dornier, Claudius, assignor of one-half to Dornier-Metallbauten, Gesellschaft mit beschränkter Haftung, Friedrichshafen, Germany. Hollow sheet-metal structure. 1,460,372; July 3.

Dornier-Metallbauten, Gesellschaft mit beschränkter Haftung. (See Dornier, Claudius, assignor.)

Dornseif, Hugo, Bergerhof, Germany. Means for preventing fowl from escaping. 1,460,748; July 3.

Doscher, Carl F. (See Thompson, R. S., and Doscher.)

Doughty, Leon A., Glenside, and F. S. Carlile, Philadelphia, Pa. Battery terminal. 1,460,895; July 3.

Dräger, Alexander B., H. W. C. Schröder, and E. W. Kunzmann, Lubeck, Germany; said Schröder and said Kunzmann assignors to said Dräger. Burner for the autogenous cutting of metals. 1,460,662; July 3.

Drake, John J., assignor to The Singer Manufacturing Company, Elizabeth, N. J. Guide for sewing machines. 1,460,812; July 3.

Draper Corporation. (See Knight, Need, assignor.)

Ducas, Charles, assignor to C. Ducas, A. W. Whiteford, and D. W. Pye, trustees, New York, N. Y. Tender tank. 1,460,710; July 3.

Ducas, Charles, et al., trustees. (See Ducas, Charles, assignor.)

Dudley, Carrie D., Chicago, Ill. Receptacle for flowers. Des. 62,605; July 3.

Dudley, Howard A., Hagerstown, Md. Loose-leaf binder. 1,460,663; July 3.

Dudley, Howard A., Hagerstown, Md. Loose-leaf binder. 1,460,712; July 3.

Dull, Raymond W., assignor to Link Belt Company, Chicago, Ill. Securing wrist pins for chain links. 1,460,749; July 3.

Duncan, Joseph S., Chicago, Ill. Printing and addressing machine. 1,460,711; July 3.

Duncan, Lee W., Fort Wayne, Ind. Window protector. 1,460,645; July 3.

Dunlap, Paul, Richmond, Calif. Combined muffler and vaporizer. 1,460,664; July 3.

Duntley, J. W. (See Osborn, Jesse C., assignor.)

Durfee, Ben, Wichita, Kans. Signboard. 1,460,951; July 3.
Eastman Kodak Company. (See Capstaff, John G., assignor.)
Eastman Kodak Company. (See Fritts, Edwin C., assignor.)
Eastman Kodak Company. (See Hopkins, Marcus C., assignor.)
Eastman Kodak Company. (See Kroedel, Robert, assignor.)
Eastman Kodak Company. (See Webb, William R., assignor.)
Easton, Lucian F., La Crosse, Wis. Locking device for motor valves. 1,460,538; July 3.
Edwards, Bruce V., Newark, N. J., assignor to W. L. Leary, Chicago, Ill. Conveying apparatus. 1,460,539; July 3.
Ekstrom, Eric S., et al. (See Swenson, Carl E., assignor.)
Electric Auto-Lite Company, The. (See Gilchrist, Clarence F., assignor.)
Electric Controller & Manufacturing Company, The. (See Stratton, Harry F., assignor.)
Elledge, Percy J., Cleveland, Mo. Dirigible headlight. 1,460,540; July 3.
Ellis Drier & Elevator Company. (See Ellis, Hubert C., assignor.)
Ellis, Hubert C., Evanston, assignor to Ellis Drier & Elevator Company, Chicago, Ill. Condensation trap. 1,460,410; July 3.
Ellis, Hubert C., Evanston, assignor to Ellis Drier & Elevator Company, Chicago, Ill. Tilting trap. 1,460,411; July 3.
Ellis, Ridsdale, Oak Park, Ill. Ice manufacture. 1,460,646; July 3.
Elyria Iron & Steel Company, The. (See Tilden, Charles S., assignor.)
Emerson-Brantingham Company. (See Traphagen, Harry R., assignor.)
Emery, James H., Inwood Park, N. Y. Artificial fruit and producing same. Re15,641; July 3.
Emery, Sidney S., Denver, Colo. Lubrication record. 1,460,576; July 3.
Eppler, John, Philadelphia, Pa. Machine for making paper cones. 1,460,750; July 3.
Ericson, Emile, Pelham, and R. Weiss, New York, N. Y., assignors to The Pennsylvania Textile Mills Inc., Glen Riddle, Pa. Textile fabric. Des. 62,606; July 3.
Eustis, Samuel L., jr., Onaga, Kans. Conveyer. 1,460,952; July 3.
Fairbanks, Carl A., Wichita, Kans. Controlling device for electric signs. 1,460,953; July 3.
Fairbanks, Carl A., Wichita, Kans. Educational sign. 1,460,954; July 3.
Falk, John L., Spokane, Wash. Fuel chute. 1,460,713; July 3.
Fallada, Frank J., Chicago, Ill. Crowning machine. 1,460,577; July 3.
Farrel Foundry and Machine Company. (See Bowen, D. R., and Schnuck, assignors.)
Fauser, Gustave M., Ardsley, N. Y., assignor to The Pennsylvania Textile Mills Inc., Glen Riddle, Pa. Textile fabric. Des. 62,607; July 3.
Fauser, Gustave M., Ardsley, N. Y., assignor to The Pennsylvania Textile Mills Inc., Glen Riddle, Pa. Textile fabric. Des. 62,608; July 3.
Fauser, Gustave M., Ardsley, N. Y., assignor to The Pennsylvania Textile Mills Inc., Glen Riddle, Pa. Textile fabric. Des. 62,609; July 3.
Fauser, Gustave M., Ardsley, N. Y., assignor to The Pennsylvania Textile Mills Inc., Glen Riddle, Pa. Textile fabric. Des. 62,610; July 3.
Faust, Levin, et al. (See Swenson, Carl E., assignor.)
Fay, Albert E., et al. (See Johnson, Alvin L., assignor.)
Finigan, Charles, Gibsonia, Pa. Feeding mechanism for tin-plate lithographing machines. 1,460,373; July 3.
Fischer, Felix M., Kewanee, Ill. Tractor hitch. 1,460,578; July 3.
Fischer, Frederick W., Milwaukee, Wis. Machine for treating wicks. 1,460,955; July 3.
Fischer, Frederick P., Chicago, Ill. Smoke consumer. 1,460,956; July 3.
Fischer, Walter. (See Young, Harry W., assignor.)
Folkes, George E. (See Harvey, Albert E., assignor.)
Foote, James H., Cincinnati, Ohio. Sheave-bearing housing. 1,460,541; July 3.
Forbes, Sumner, Brookline, assignor to Union Industrial Company, Boston, Mass. Spinning ring. 1,460,751; July 3.
Fort Morris. (See Mackenzie, R. W. R., Robinson, Fort, and Lumsden.)
Foundation Oven Corporation. (See Schrader, Lloyd F., assignor.)
Freeman, James J., Bradford, Pa. Gas breaker. 1,460,896; July 3.
Frey, Charles P. (See Brown, R. P., and Frey.)
Fricke, William A., Chicago, Ill. Phonograph. 1,460,579; July 3.
Fritts, Edwin C., Urbana, Ill., assignor to Eastman Kodak Company, Rochester, N. Y. Enlarging camera. 1,460,714; July 3.
Froeschle, Waldemar W., assignor to C. J. Gregory, St. Louis, Mo. Anatomical support. 1,460,957; July 3.
Fruchter, Israel H., New York, N. Y. Device for perforating paper. 1,460,647; July 3.
Ftyklo, Andy, Braznell, Pa. Nut lock. 1,460,412; July 3.
Fuller, Ernest L., assignor to The Goodyear Tire & Rubber Company, Akron, Ohio. Making inner tubes. 1,461,000; July 3.
Fuller Mfg. Co., The. (See Tremper, Charles W., assignor.)
Fulton, Frederick J., Saginaw, Mich. Supporter. 1,460,752; July 3.
Funke, Hans, Zittau, Germany. Stove. 1,460,374; July 3.
Gahlert, Franz, jr., Weipert, Bohemia. Gear. 1,460,958; July 3.
Gaines, Henry W., Bowling Green, Ky. Spring wheel. 1,460,413; July 3.
Gallaudet, Edson F., East Greenwich, R. I. Tennis racket and the like. 1,460,665; July 3.
Garland, Claude M., Chicago, Ill. Apparatus for devolatilizing coal, shale, etc. 1,460,414; July 3.
Garrett, Robert E., Nashville, Tenn. Underwear. 1,460,959; July 3.
Garver, Joseph L. (See Howe, C. W., and Garver.)
Gaskill, John E., St. Louis, Mo. Purifying garlicky wheat. 1,460,648; July 3.
Geist Manufacturing Company. (See Wiederwax, Robert W., assignor.)
Gelarie, Saul, Brooklyn, N. Y. Reenforced bloomers. 1,460,666; July 3.
General Chemical Company. (See Baird, Dudley, assignor.)
General Fire Extinguisher Company. (See Haussler, C. F., and Park, assignors.)
General Fireproofing Company, The. (See McPike, H. C., and Schmitz, assignors.)
George, Charles E. (See Brockney, J. L., and George.)
Gerber, Martin, Iowa City, Iowa. Radiator-repair machine. 1,460,480; July 3.
Gerrard, Alec J., Chicago, Ill. Wire stretching and tying machine. 1,460,649; July 3.
Gibson, William A., and C. E. Needham, Allentown, Pa., assignors to Bradley Pulverizer Company, Boston, Mass. Air separator. 1,460,960; July 3.
Gilchrist, Clarence F., assignor to The Electric Auto-Lite Company, Toledo, Ohio. Current cut-out. 1,460,961; July 3.
Gillespie, Scott, and F. L. Shelor, Salem, Va.; said Shelor assignor to International Filler Corporation, Petersburg, Va. Corking machine. 1,460,650; July 3.
Glushak, David A., Washington, D. C. Fountain pen. 1,460,481; July 3.
Golden, Charles F., Denver, Ind. Drafting instrument. 1,460,482; July 3.
Good Inventions Co. (See Good, John, assignor.)
Good, John, Brooklyn, assignor to Good Inventions Co., New York, N. Y. Combustion-engine charge-forming device. 1,460,667; July 3.
Good, John, Brooklyn, assignor to Good Inventions Co., New York, N. Y. Internal-combustion engine. 1,460,668; July 3.
Goodfellow, John H., Buffalo, N. Y. Boiler-tube cleaner. 1,460,669; July 3.
Goodfellow, Joseph. (See Chapman, Charles E., assignor.)
Goodyear Tire & Rubber Company, The. (See Fuller, Ernest L., assignor.)
Gorton, Walter T., U. S. Army. Operating slide and handle for machine guns. 1,460,415; July 3.
Granberg, Albert J., assignor to The Granberg Meter Company, San Francisco, Calif. Liquid meter. 1,460,715; July 3.
Granberg Meter Company, The. (See Granberg, Albert J., assignor.)
Greenlaw, Frank L., Los Angeles, Calif. Hose reel. 1,460,897; July 3.
Greer, Butler F., San Francisco, Calif. Book-form savings bank. 1,460,716; July 3.
Gregory, Charles J. (See Froeschle, Waldemar W., assignor.)
Griffin, Patrick J., Dorchester, Mass. Pneumatic-tire wheel. 1,460,753; July 3.
Griswold, Andrew E., Seattle, Wash. Switch. 1,460,542; July 3.
Griswold, Marius E., Burlington, Iowa. Automatic stop for phonographs. 1,460,543; July 3.
Gronos, Arthur A., Pontiac, Mich. Self-locking shore. 1,460,375; July 3.
Groth, Charles H., Rochester, Pa. Cooper's sun plane. 1,460,717; July 3.
Grube Auto & Tire Specialties Corp'n. (See Grube, John H., assignor.)
Grube, John H., Los Angeles, Calif., assignor to Grube Auto & Tire Specialties Corp'n, Phoenix, Ariz. Tube casing. T,460,794; July 3.
Gunson, Thomas R. (See Kohout, J. J., and Gunson.)
Gutridge, Loammie A., and F. M. Mosier, assignors of one-third to said Gutridge and two-thirds to G. N. Slonaker, Columbus, Ohio. Switch attachment for folding machines. 1,460,544; July 3.
Haack, Gustave, Madison, Wis. Life buoy. 1,460,483; July 3.
Hagemann, Carl W., administrator. (See Werbeck, Walter G.)

Hall, Robert F., Moseley, near Birmingham, England. Cam. 1,460,651; July 3.
Hall, Seth M., Portland, Oreg. Axle. 1,460,962; July 3.
Halleck, Frank A., Oak Park, Ill., assignor to Sullivan Machinery Company. Forging machine. 1,461,011; July 3.
Hampel, Heinrich, Halle, Germany. Making nitrates. 1,460,898; July 3.
Hampson, John. (See Macklinnon, F. A., and Hampson.)
Hansemann, Richard A. (See Kucharski, Stanislaus, assignor.)
Hansen, John S., Brockton, Mass. Adjustable shoe-tree. 1,460,963; July 3.
Hapgood, Cyrus H., Nutley, N. J., assignor to The De Laval Separator Company, New York, N. Y. Purifying and dehydrating switch oil. 1,460,718; July 3.
Harper, John T., Leoti, Kans. Lace eyelet. 1,460,899; July 3.
Harrington, Albert G., Birmingham, Mich. Combined pail and stand. 1,460,484; July 3.
Harris, Hollis H., assignor to The Thew Shovel Company, Lorain, Ohio. Control mechanism of excavating machines or the like. 1,460,813; July 3.
Harris, Hu M., assignor to Lucey Manufacturing Corporation, Chattanooga, Tenn. Well elevator. 1,460,652; July 3.
Harris, Joseph G., and G. D. Jaquett, Jacksonville, Fla. Automatic pressure valve. 1,460,900; July 3.
Harris, Rhys D., Seven Sisters, Wales. Apparatus for use in blasting. 1,461,012; July 3.
Harshberger, Norman P., assignor to Tee-Lok Shingle Company, Chicago, Ill. Shingle. 1,460,795; July 3.
Hart, Harry S., Shreveport, La. Watchman's recording mechanism. 1,460,901; July 3.
Hart, Harry S., Shreveport, La. Watchman's recording mechanism. 1,460,902; July 3.
Harter, Noah S., Waukegan, assignor of one-third to G. F. Rummel and one-third to A. T. Weaver, Chicago, Ill. Game apparatus. 1,460,670; July 3.
Hartford, Edward V., deceased, Deal, N. J.; H. P. Hartford, administratrix. Motor and means for controlling the same. 1,461,001; July 3.
Hartford, Henrietta P., administratrix. (See Hartford, Edward V.)
Hartman, Frank R., Chicago, Ill. Paper-sheet-feeding machine. 1,460,376; July 3.
Harvey, Albert E., Streetley, assignor of one-half to G. E. Folkes, Birmingham, England. Appliance for playing an improved card game. 1,460,485; July 3.
Harvey, Helen L., Butte, Mont. Automatic baster for cooking. 1,460,486; July 3.
Haseltine, Stacy B., Chicago, Ill., assignor to W. H. Miner, Chazy, N. Y. Friction shock-absorbing mechanism. 1,460,580; July 3.
Haussler, Carl F., and N. W. Park, assignors to General Fire Extinguisher Company, Providence, R. I. Inductor for gas burners. 1,460,903; July 3.
Hawkins, Wilford J., Montclair, N. J. Rotary compressor, expander, motor, and pump. 1,460,487; July 3.
Hay, Harry C., assignor of one-half to W. C. Buten, Newport, Ky. Automobile alarm signal. 1,460,377; July 3.
Haynes, Pierre E., Buffalo, N. Y., and G. O. Curme, jr., Pittsburgh, Pa., assignors to The Linde Air Products Company, Cleveland, Ohio. Production of ethylene. 1,460,545; July 3.
Heal, William E., Washington, D. C. Process of and apparatus for making sheet glass. 1,460,488; July 3.
Hebsacker, Wilhelm, Heilbronn, Germany. Excavating machine. 1,460,671; July 3.
Hedburg, Eric, Kingman, Ariz. Lining for ball mills. 1,460,796; July 3.
Heddon's, James, Sons. (See Welch, John T., assignor.)
Heeter, Thomas E., St. Louis, Mo. Machine for making book covers. 1,460,581; July 3.
Heim, Philip E., Sharon Hill, Pa. Vest. 1,460,416; July 3.
Hemco Electric Manufacturing Company. (See Ile, William, assignor.)
Henshaw, Seth B., Charleston, W. Va., assignor to The Libbey-Owens Sheet Glass Company, Toledo, Ohio. Method of and apparatus for drawing sheet glass. 1,460,582; July 3.
Hermani, Henry, assignor to The Tin Decorating Company of Baltimore, Baltimore, Md. Loose cover and cutter for hermetically-sealed tins. 1,460,845; July 3.
Heron, Minta L., et al. (See Boyer, George A., assignor.)
Heron, Norman C., et al. (See Boyer, George A., assignor.)
Hess, Edward B., Manhattan Beach, assignor to Royal Typewriter Company, Inc., New York, N. Y. Typewriting machine. 1,460,846; July 3.
Hess, Edward B., Manhattan Beach, assignor to Royal Typewriter Company, Inc., New York, N. Y. Typewriting machine. 1,460,847; July 3.
Hess, Edward B., Manhattan Beach, assignor to Royal Typewriter Company, Inc., New York, N. Y. Typewriting machine. 1,460,848; July 3.
Hess, Edward B., Manhattan Beach, assignor to Royal Typewriter Company, Inc., New York, N. Y. Typewriting machine. 1,460,849; July 3.
Hicks, John W., Madison, Wis., and W. W. Hicks, Washington, D. C. Film drier. 1,460,378; July 3.
Hicks, Richard W., Akron, Ohio. Attachment for fruit crates. 1,460,797; July 3.
Hicks, Walter W. (See Hicks, John W. and W. W.)
Higgins, John M., Sacramento, Calif. Hair-waving machine. 1,460,653; July 3.
High Speed Hammer Company. (See Leckinger, Philip H., assignor.)
Hill, John E., West Somerville, assignor of one-half to J. M. Cummings, Stoneham, Mass. Automobile signal. 1,460,904; July 3.
Hill, William H., Manati, P. R. Kerosene vaporizer. 1,460,583; July 3.
Hines, Joseph H., Auburn, Calif. Automatic pistol. 1,460,672; July 3.
Hlozek, Joseph, Cleveland, Ohio. Extension table. 1,460,754; July 3.
Hochstraser, Alan, Denver, Colo. Hard candy confection. Des. 62,611; July 3.
Hodge, Howard D., assignor to G. Ramsey, New York, N. Y. Rim-fire ammunition. 1,461,013; July 3.
Hoff, Sigurd J., New York, N. Y. Dumb-waiter lock. 1,460,417; July 3.
Hoffman, William M., Buffalo, N. Y., assignor, by mesne assignments, to Oil Fuel Engineering Corporation. Fuel-oil burner. 1,460,719; July 3.
Hokanson, Alexander, Burnside, assignor to The Carling Tool & Machine Company, Hartford, Conn. Brush. 1,460,850; July 3.
Holmes, Carlton W., Long Beach, assignor of one-half to Z. S. Skinner, Los Angeles, Calif. Finger ring. 1,460,798; July 3.
Holyoke Company, The. (See Marshall, William R., assignor.)
Homrighous, John H., Oak Park, assignor to Automatic Electric Company, Chicago, Ill. Voice-current telephone repeater. 1,460,814; July 3.
Honsinger, Charles A., Detroit, Mich. Bank safety device. 1,460,584; July 3.
Hoogerhyde, John. (See Koon, A. J., Hoogerhyde, and Collins.)
Hope, William H., Providence, R. I. Ruling machine. 1,461,002; July 3.
Hopkins, Marcus C., assignor to Eastman Kodak Company, Rochester, N. Y. Color photography and photographic elements. 1,460,673; July 3.
Horton, James A., Worcester, Mass. Continuous wire-drawing machine. 1,460,379; July 3.
Howe, Charles W., Dayton, and J. L. Garver, Hamilton, Ohio. Grading and scarifying device for tractors. 1,460,585; July 3.
Howe, Roy A., and J. F. Irish, Bantam, Conn. Fruit picker. 1,460,755; July 3.
Howse, Curtes L., Detroit, Mich., assignor to The Underfeed Stoker Company of America. Hydraulic drive for stoker rams. 1,460,586; July 3.
Hughes, Hiram C., Boston, Mass. Frying pan. 1,460,380; July 3.
Hughes, Walter. (See Wigle, W. B., and Hughes.)
Hugo, John, Manufacturing Company, The. (See Braisted, Harry P.)
Humphrey, Ernest N., New Britain, Conn. Buckle. 1,460,381; July 3.
Humphrey, Ernest N., assignor to The Traut & Hine Mfg. Company, New Britain, Conn. Buckle. 1,460,756; July 3.
Hungerford, Warren H. (See Peters, F. M., and Hungerford.)
Hunt, Seth B., trustee. (See Williams, R. R., and White, assignors.)
Hunter, Richard B., assignor to The Cutler-Hammer Mfg. Co., Milwaukee, Wis. Drum controller. 1,460,546; July 3.
Huntington, Levin B., Annapolis, Md. Fish bait or lure. 1,460,905; July 3.
Huston, Charles P. L., Plainfield, N. J. Insulated handle for tools. 1,460,654; July 3.
Hutchings, George B., Richmond, Va. Sign box. 1,460,674; July 3.
Hyde, Burdon P., assignor to Scovill Manufacturing Company, Waterbury, Conn. Vanity box. 1,460,906; July 3.
Hynes, Lee P., assignor to Consolidated Car-Heating Company, Albany, N. Y. Door engine control. 1,460,382; July 3.
Hynes, Lee P., assignor to Consolidated Car-Heating Company, Albany, N. Y. Electric heater. 1,460,815; July 3.
Hyvert, Jean, St.-Denis, France. Fuel-saving device. 1,460,964; July 3.
Ide, Harry H., La Grange, assignor to Kellogg Switchboard and Supply Company, Chicago, Ill. Governor. 1,460,907; July 3.
Ideal Stitcher & Mfg. Co. (See Wolf, J., and Burger, assignors.)
Ile, William, Lynbrook, assignor to Hemco Electric Manufacturing Company, Inc., New York, N. Y. Electric fuse plug. 1,460,675; July 3.
Iles, John L. and T., Magnolia Springs, Ala. Apparatus for automatically controlling the headlights of automobiles. 1,460,965; July 3.
Iles, John T. (See Iles, John L. and J. T.)

Illinois Glass Company. (See Bethel, Albert R., assignor.)
Ingalls, Joseph B., Chicago, Ill. Coin-bank register. 1,460,908; July 3.
Ingersoll-Rand Company. (See Parsons, Frederick W., assignor.)
International Filler Corporation. (See Gillespie, S., and Shelor, assignors.)
Irish, John F. (See Howe, R. A., and Irish.)
Isley, George H., assignor to Morgan Construction Company, Worcester, Mass. Valve. 1,460,587; July 3.
Jackson & Church Company. (See Church, E. D., Lash, and Van Brunt, assignors.)
Jacobs, Clarence M., Butler, Ky. Shoe for disk harrows. 1,460,489; July 3.
Jaquett, George D. (See Harris, J. G., and Jaquett.)
Jenkins, Alexander F., Baltimore, Md. Combination cutting and welding torch. 1,460,655; July 3.
Jirasek, John, Detroit, Mich. Furnace-ash-pit screen sifter. 1,460,547; July 3.
Joannes, Giuseppe, Turin, Italy. Temperature-indicating device. 1,460,909; July 3.
Johnson, Aben E. (See Longworth, John W., assignor.)
Johnson, Alvin L., Worcester, assignor of forty-eight per cent to W. G. Warren, Holden, and four per cent to A. E. Fay, Worcester, Mass. Screw jack. 1,460,799; July 8.
Johnson, Audiff, Stockton, Calif. Can punch and seal. 1,460,418; July 3.
Johnson, Edward A., Brooklyn, N. Y. Tire. 1,460,588; July 3.
Johnson, Franklin, New York, N. Y. Game device. 1,460,966; July 3.
Johnson, Otis, San Diego, Calif. Adhesive. 1,460,757; July 3.
Johnson, William P. W. (See McLesky, F., and Johnson.)
Johnston, Genevieve. (See Johnston, Horace G., assignor.)
Johnston, Horace G., assignor to G. Johnston, Corsicana, Tex. Gas scrubber. 1,460,490; July 3.
Johnston, Millard L., Utica, N. Y. Cartridge-feeding mechanism for machine guns. 1,460,800; July 3.
Joyce, Bryan P., Washington, D. C. Counterpoise. 1,460,419; July 3.
Joyce, Bryan P., Davenport, Iowa. Counterpoise. 1,460,420; July 3.
Junge, Xavier, Venturia, N. Dak. Stovepipe coupling. 1,460,910; July 3.
K-D Barrel & Hamper Company, The. (See Walker, Joseph L., assignor.)
Kaestner & Hecht Company. (See Brenne, Richard, assignor.)
Kaimus, Comstock & Wescott, Inc. (See Comstock, Daniel F., assignor.)
Kaltwasser, Oskar, Berlin, and L. Kirberger, Berlin-Charlottenburg, assignors to Actien Gesellschaft für Anilin Fabrikation, Berlin, Germany. Dyeing skins, hairs, and the like. 1,460,758; July 3.
Karayanis, Nicholas J. (See Miller, W. P., and Karayanis.)
Kaufmann, Max, & Company Inc. (See McCreedy, J. W.)
Kaupert, Joseph, Chicago, Ill. Lifting jack. 1,460,851; July 3.
Keeler, May A., San Francisco, Calif. Abdominal support. 1,460,421; July 3.
Keeports, Harry H., Detroit, Mich. Means and dies for drop-forging crank shafts and forming crank shafts. 1,460,720; July 3.
Kégresse, Adolphe, Paris, France. Track belt for motor vehicles. 1,460,656; July 3.
Keller, Ridgell, et al. (See Bannon, Frank A., assignor.)
Kellogg Switchboard and Supply Company. (See Ide, Harry H., assignor.)
Kendall, William G., Newark, N. J., assignor to H. Rigaud, doing business as Parfumerie Rigaud, New York, N. Y. Vanity case. 1,460,967; July 3.
Kilgour, Walter M. S., Lexington, Mass. Lubricating system and apparatus. 1,460,383; July 3.
Killion, John F., Norfolk, Mass., assignor to Whiting Chain Company. Mesh bag. Des. 62,612; July 3.
Kinsley, William S., Reading, assignor to The Russell Company, Boston, Mass. Material-handling apparatus. 1,460,384; July 3.
Kintz, Robert R., Meriden, Conn. Antislipping attachment for vehicle tires. 1,460,657; July 3.
Kirberger, Leopold. (See Kaltwasser, O., and Kirberger.)
Kneppel, Stephan, Scranton, Pa. Flush-tank valve. 1,460,968; July 3.
Knight, Need, Lancaster S. C., assignor to Draper Corporation, Hopedale, Mass. Filling-fork grid for looms. 1,460,589; July 3.
Kohn, Siegfried, Philadelphia, Pa., assignor to Rohm & Haas Company. Synthetic tan and making same. 1,460,422; July 3.
Kohout, Jerry J., and T. R. Gunson, Nunn, Colo. Automobile brake. 1,460,911; July 3.
Konyves, Coloman. (See Toth, L., Konyves, and Strieffler.)
Koon, Arthur J., J. Hoogerhyde, and J. E. Collins, Grand Rapids, Mich.; said Koon assignor to said Hoogerhyde and said Collins. Connecting-rod-testing appliance. 1,460,548; July 8.
Koretzky, Harry M., New York, N. Y. Terminal for dry batteries. 1,460,969; July 3.
Krahn, Alvin W., Milwaukee, Wis. Pressure regulating and releasing apparatus for wringers. 1,460,423; July 3.
Kramer, Benjamin. (See Kramer, Nathan and B.)
Kramer, Nathan and B., assignors to Trenton Auto Radiator Works, Trenton, N. J. Automobile radiator. 1,460,852; July 3.
Kratochvil, Joseph, Chicago, Ill. Mechanism for operating railway-crossing gates. 1,460,912; July 3.
Kristofek, Frank J., assignor to Brown & Bigelow, St. Paul, Minn. Pen or pencil case. Des. 62,613; July 3.
Kristofek, Frank J., assignor to Brown & Bigelow, St. Paul, Minn. Pen or pencil case. Des. 62,614; July 3.
Kristofek, Frank J., assignor to Brown & Bigelow, St. Paul, Minn. Pen or pencil case. Des. 62,615; July 3.
Kroedel, Robert, assignor to Eastman Kodak Company, Rochester, N. Y. Camera support. 1,460,816; July 3.
Kucharski, Stanislaus, Charlottenburg, near Berlin, assignor to R. A. Hansemann, Berlin, Germany. Optical picture cabinet. 1,460,590; July 3.
Kuhn, Charles E., Harrisburg, Pa. Combination furniture. 1,460,591; July 3.
Kuhn-Frei, Emil, assignor to A. Weinman, Zurich, Switzerland. Magnetizing bodies. 1,460,759; July 3.
Kunzmann, Ernst W. (See Dräger, A. B., Schröder, and Kunzmann.)
Lace, Raymond F., Columbus, Ohio, assignor to Niles-Bement-Pond Company, New York, N. Y. Tire clamp. 1,460,385; July 3.
Lacey, Lucius L. (See McGinley, Frederick D., assignor.)
Lacke, William A., Chicago, Ill. Thermostat. 1,460,853; July 3.
Laing, Bryan. (See Nielsen, H., and Laing.)
Lamson, William W., Collins, Nebr. Hog-ringing device. 1,460,970; July 3.
Landahl, Eugene E., Oak Park, Ill. Conveying and screening apparatus. 1,460,491; July 3.
Landers, David A., Chicago, Ill., assignor to Wirebounds Patents Company, Kittery, Me. Machine for use in making boxes. 1,461,014; July 3.
Langdon, Walter W., Cincinnati, Ohio. Device for soldering ice cans and the like. 1,460,549; July 3.
Lantz, Robert. (See Wahl, A., and Lantz.)
Larsen, Edward A., Larkspur, Calif. Mold for making ship hulls and like floatable structures. 1,460,676; July 3.
Larsson, Knut. (See Lienzén, D. L., and Larsson.)
Lash, Frank S. (See Church, E. D., Lash, and Van Brunt.)
Latz, Harry L., Atlantic City, N. J. Communication sheet. 1,460,492; July 3.
Lawrence, Frederick K., Chicago, Ill., assignor to Self Mounting Carrier Company, Wilmington, Del. Carrier for spare wheels and the like. 1,460,592; July 3.
Learman, Frank J., assignor to Buffalo Specialty Company, Buffalo, N. Y. Polishing mop. 1,461,003; July 3.
Leary, William L. (See Edwards, Bruce V., assignor.)
Lebreton, Anna, and E. Talbot, Seattle, Wash. Street indicator. 1,460,854; July 3.
Leckinger, Philip H., assignor to High Speed Hammer Company, Inc., Rochester, N. Y. Riveting hammer. 1,460,424; July 3.
Lehman, Irvin F., assignor to Blaw-Knox Company, Pittsburgh, Pa. Annealing box. 1,460,855; July 3.
Lehmann, Frederick C. (See Yeiser, L. B., and Lehmann.)
Leinan, Edwin S., Fargo, N. Dak. Agitator. 1,460,493; July 3.
Le Mahieu, H. W. (See West, Merle J., assignor.)
Lemoigne, William, assignor of one-fourth to E. Bogart and one-fourth to A. Weiss, Colusa, Calif. Adjustable brace. 1,460,593; July 3.
Le Moon, Axel R., assignor to Nelson & Le Moon, Chicago, Ill. Flexible coupling for drive shafts. 1,460,594; July 3.
Lewinson, Hyman, Erie, Pa. Self-filling pen. 1,460,386; July 3.
Libbey-Owens Sheet Glass Company. (See Henshaw, Seth B., assignor.)
Liebowitz, Benjamin, New Rochelle, N. Y. Flexible joint. 1,460,817; July 3.
Lienzén, David L., and K. Larsson, Stockholm, Sweden. Switching apparatus for telephone systems. 1,460,913; July 3.
Lincoln Steel and Forge Company. (See Barks, Frank S., assignor.)
Linde Air Products Company, The. (See Haynes, P. E., and Curme, assignors.)
Link Belt Company. (See Dull, Raymond W., assignor.)
Lisson, Louis, Syracuse, N. Y. Film-spool support. 1,460,971; July 3.
Lister, William C., Toronto, Ontario, Canada. Adjustable seat. 1,460,721; July 3.
Locomotive Pulverized Fuel Company. (See Muhlfeld, J. E., and Caracristi, assignors.)
Loggins, John H., Fordyce, Ark. Air-inlet device. 1,460,550; July 3.
Longworth, John W., Grand Rapids, assignor to A. E. Johnson, Hastings, Mich. Burglar alarm. 1,460,818; July 3.

Lovejoy, Ralph M., Meredith, N. H. Internal-combustion engine. 1,460,722; July 3.
Lovejoy, Ralph M., Meredith, N. H. Shock absorber. 1,460,723; July 3.
Lovejoy, Ralph M., Meredith, N. H. Shock-absorber connection. 1,460,856; July 3.
Lucey Manufacturing Corporation. (See Harris, Hu M., assignor.)
Lufkin Rule Company, The. (See Buck, Fred, assignor.)
Lumsden, James D., deceased. (See Mackenzie, R. W. R., Robinson, Fort, and Lumsden.)
Lumsden, Robert O., et al., executors. (See Mackenzie, R. W. R., Robinson, Fort, and Lumsden.)
Lumsden, Susan A. R. F., et al., executors. (See Mackenzie, R. W. R., Robinson, Fort, and Lumsden.)
Lundgaard, Ivar, assignor to The Automatic Refrigerating Company, Hartford, Conn. Air-refrigerating machine. 1,460,677; July 3.
Lundgren, Jonas G., Clear Lake, Iowa. Combined electric switch and fuse. 1,460,914; July 3.
Luton, Smith L., Hugo, Okla. Shoe-salesman's stool. 1,460,915; July 3.
Lyman, William G., Peoria, Ill. Ice-cream dipper. 1,460,551; July 3.
McCall, John D. (See Boutee, Octave J., assignor.)
McCracken, John J., Norfolk, Va. Star identification protractor. 1,460,387; July 3.
McCreedy, James W., assignor to Max Kaufmann & Company, Inc., New York, N. Y. Textile fabric. Des. 62,617; July 3.
McCreedy, James W., assignor to Max Kaufmann & Company, Inc., New York, N. W. Textile fabric. Des. 62,618; July 3.
McCreedy, James W., assignor to Max Kaufmann & Company, Inc., New York, N. Y. Textile fabric. Des. 62,619; July 3.
McEnaney, Owen F., Brooklyn, N. Y. Pipe attachment for steam looms. 1,460,972; July 3.
McGee, Jesse E., Guntown, Miss. Basket-supporting means. 1,460,760; July 3.
McGinley, Frederick D., Pleasant Beach, assignor of one-half to L. L. Lacey, Syracuse, N. Y. Car replacer. 1,460,973; July 3.
McGrath, John T., Bloomington, Ill. Grinding machine. 1,460,724; July 3.
McKee, Louis H., Trenton, N. J. Floor fastening for desks, seats, and chairs. 1,460,425; July 3.
McLean, Donald H., administrator. (See Thofehrn, Herman G. C.)
McLesky, Frank, and W. P. W. Johnson, Chicago, Ill. Curtain guide. 1,460,857; July 3.
McNichol, Theodore W., Swampscott, Mass. Machine for sawing lasts. 1,460,678; July 3.
McNichol, Theodore W., Swampscott, Mass. Last and making the same. 1,460,679; July 3.
McPike, Harold C., and F. A. Schmitz, assignors to The General Fireproofing Company, Youngstown, Ohio. Card-index tab. 1,460,761; July 3.
McSheehy, Bartholomew E., assignor to J. C. Blair Company, Huntington, Pa. Folding papeterie. 1,460,426; July 3.
McVicker, Emery M., assignor to J. F. McVicker, Milwaukee, Wis. Rail fastener. 1,460,819; July 3.
McVicker, J. F. (See McVicker, Emery M., assignor.)
Maag, Max, Zurich, Switzerland. Drag-spindle gear. 1,460,552; July 3.
Mackenzie, Robert W. R., et al., executors. (See Mackenzie, R. W. R., Robinson, Fort, and Lumsden.)
Mackenzie, Robert W. R., Fife, E. H. Robinson, Perth, M. Fort and J. D. Lumsden, deceased, Almondbank, by S. A. R. F. Lumsden, Huntingtowerfield, Almondbank, R. W. R. Mackenzie, Earlshall, Fife, J. G. Miller, Perth, R. O. Lumsden, Almondbank, and A. P. Melville, Edinburgh, Scotland, executors. Beetling and treatment of fabrics. 1,460,858; July 3.
Mackinnon, Frederic A., and J. Hampson, London, England. Coupler for railway and like vehicles. 1,460,974; July 3.
MacMillen, William C., Rochester, Pa. Name plate for gasoline-dispensing apparatus. Des. 62,616; July 3.
Malkin, John E., New York, N. Y. Stone-suspension device. 1,460,388; July 3.
Malleable Iron Fittings Company, The. (See Pickop, George B., assignor.)
Markey, Peter L., Chicago, Ill. Necktie holder. 1,460,725; July 3.
Marriott, Robert H., Bremerton, Wash. Directional radio receiving system. 1,460,801; July 3.
Marshall, William R., assignor to The Holyoke Company, Holyoke, Mass. Winding spool. 1,460,595; July 3.
Martin, Miles L., Bainbridge, Ga. Trap. 1,460,596; July 3.
Martin, Talbot G., assignor to Automatic Electric Company, Chicago, Ill. Measured-service telephone system. 1,460,726; July 3.
Martin, William O. (See Steen, B. J., and Martin.)
Mauclère, Pierre A. P. V., Paris, France. Liquid-dispensing station. 1,460,389; July 3.
Maurer, Herman W., Cleveland, Ohio. Collapsible wall. 1,460,597; July 3.
May, Frederick. (See Bangert, A., and May.)
Mayer, Marie, deceased. (See Mayer, Mathew, assignor.)
Mayer, Mathew, deceased, assignor of one-half to M. Mayer, deceased, Euclid, Ohio; I. R. Winsper, administrator. Stand or holder for Christmas trees, flowerpots, etc. 1,460,859; July 3.
Melville, Alexander P., et al., executors. (See Mackenzie, R. W. R., Robinson, Fort, and Lumsden.)
Merrow, Charles E. A., Boston, Mass. Surface for pictorial display and the like. 1,460,553; July 3.
Mertzanoff, André M., New York, N. Y., assignor to American Radiator Company, Chicago, Ill. Heating apparatus. 1,460,820; July 3.
Metzger, Clarence D., Shelby, Ohio. Tractor clutch control. 1,460,598; July 3.
Michoud, Arnold, Yverdon, assignor to Cibles Automatiques Michoud Société Anonyme, Neuchatel, Switzerland. Device for resiliently supporting target disks and the like. 1,460,860; July 3.
Miller, Frederick L., Des Moines, Iowa. Adjustable wing for windshields. 1,460,861; July 3.
Miller, James F., Minden, La. Resilient wheel. 1,460,494; July 3.
Miller, Jerome J., Chadron, Nebr. Railway ditcher. 1,460,762; July 3.
Miller, John G., et al, executors. (See Mackenzie, R. W. R., Robinson, Fort, and Lumsden.)
Miller Lock Company. (See Benson, Thomas W., assignor.)
Miller, William P., Brooklyn, and N. J. Karayanis, New York, N. Y. Cooking utensil. 1,460,975; July 3.
Mills, James P., assignor to Continental Motors Corporation, Detroit, Mich. Expanding fly cutter. 1,460,427; July 3.
Miner, William H. (See Haseltine, Stacy B., assignor.)
Mock, Hugo, New York, N. Y. Faucet. 1,460,727; July 3.
Molander, Hans P., Long Beach, Calif. Current motor. 1,460,495; July 3.
Moody, Lewis F., Philadelphia, Pa. Pump and regulating the same. 1,460,428; July 3.
Moore, Henry R. (See Oden, C., and Moore.)
Moore, Max J., Newark, assignor to W. H. Collins, Summit, N. J. Device for carrying baskets and the like. 1,460,554; July 3.
Monogram Lens Corporation. (See Arbuckle, Samuel F., assignor.)
Moran, Patrick J., East Cleveland, Ohio. Blast furnace. 1,460,429; July 3.
Morava, Wensel, Chicago, Ill. Cotton-boll-ripening apparatus. 1,460,555; July 3.
Morgan Construction Company. (See Isley, George H., assignor.)
Morris, Thomas J., Richmond, Va. Umbrella. 1,460,821; July 3.
Morse, Fred, New Haven, Conn. Life belt. 1,460,430; July 3.
Mosier, Frank M. (See Gutridge, L. A., and Mosier.)
Moss, Charles, New York, N. Y. Antislipping attachment for vehicle wheels. 1,460,822; July 3.
Muhlfeld, John E., Scarsdale, and V. Z. Caracristi, Bronxville, assignors to Locomotive Pulverized Fuel Company, New York, N. Y. Burning pulverized fuel. 1,460,916; July 3.
Müller, Eugen L., Munich, Germany. Arrangement of an oil pump. 1,460,431; July 3.
Murphy, P. H., Company. (See Bonsall, Charles D., assignor.)
Murray, George C., Chicago, Ill. Car roof. 1,460,496; July 3.
Nadig, Robert F., and W. D. Somers, Cleveland, Ohio. Ironing-board construction. 1,460,432; July 3.
Napier, Charles, Springfield, Mass., assignor to The Henry G. Thompson & Son Company, New Haven, Conn. Hack-saw machine of the continuous-band type. 1,461,004; July 3.
Natoli, Giuseppe, Turin, Italy. Magneto. 1,460,763; July 3.
National Tube Company. (See Saunders, Augustus M., assignor.)
Neal, Walter V., Malden, Mass., assignor to The United Shoe Machinery Corporation, Paterson, N. J. Work support. 1,460,433; July 3.
Needham, Charles E. (See Gibson, W. A., and Needham.)
Neff, Harry D., Cambridge, assignor to Re-Filit Broom Company, Boston, Mass. Machine for making broom bundles or units. 1,461,015; July 3.
Neldner, Edward E., Milwaukee, Wis. Internal-combustion engine. 1,460,728; July 3.
Nelson & Le Moon. (See Le Moon, Axel R., assignor.)
Newberry, George W., St. Louis, Mo. Paperhanger's shears holder. 1,460,434; July 3.
New Haven Clock Co. (See Whitehead, Richard H., assignor.)
Newman, Hugo, New York, N. Y. Loading means for film magazines for cameras. 1,460,435; July 3.
Newnham, Eugene, St. Louis, Mo. Overload protective device for electric motors. 1,460,556; July 3.
New York Air Brake Company. (See Bickel, Henry F., assignor.)
Nicholson, Herbert, Chicago, Ill. Reenforced pneumatic-tire casing. 1,460,599; July 3.
Nichols, Troy R., Mexia, Tex. Combined indicator and gauge. 1,460,436; July 3.

Nielsen, Harald, London, and B. Laing, Hatfield, England. Stuffing box for rotary driers, kilns, calcining furnaces, retorts, or the like. 1,460,764; July 3.
Niles-Bement-Pond Company. (See Lace, Raymond F., assignor.)
Niles-Bement-Pond Company. (See Sears, Willard T., assignor.)
Nobbs, George H., Watertown, Mass. Apparatus for cleaning air. 1,460,975; July 3.
Noble, Oliver E., Manhattan, Kans. Drafting device. 1,460,497; July 3.
Norris, Albert L., Jacksonville, Fla. Rotary brush. 1,460,765; July 3.
Nu-Way Milker Company. (See Oden, C., and Moore, assignors.)
Nystrom, Karl F., Montreal, Quebec, Canada. Railway-car-journal roller bearing. 1,460,802; July 3.
Oden, Clyde, and H. R. Moore, assignors to Nu-Way Milker Company, Syracuse, N. Y. Teat cup. 1,460,977; July 3.
Ogden, J. Edward. (See Tomkinson, Charles C., assignor.)
Ogden, John E., Mountainville, Cornwall, N. Y. Reenforced-thread expansion shield. 1,460,557; July 3.
Ohio Tractor Company, The. (See Clarke, Harry D., assignor.)
Oil Fuel Engineering Corporation. (See Hoffman, William M., assignor.)
O'Leary, William J., Montreal, Quebec, Canada. Solenoid. 1,460,390; July 3.
Olden, Arthur O., National City, Calif. Dredger. 1,460,558; July 3.
Olson, Samuel, Chicago, Ill. Package conveying and distributing device. 1,460,437; July 3.
O'Neill, Bernard V., New York, N. Y. Music-roll container. 1,460,978; July 3.
Opperman, Hugh F., Honolulu, Hawaii, assignor to California Packing Corporation, San Francisco, Calif. Pineapple-shell-feeding device. 1,460,559; July 3.
Osborn, Jesse C., assignor to J. W. Duntley, Chicago, Ill. Timer. 1,460,823; July 3.
Paine, Charles L., Indianapolis, Ind. Means for heating the contents of vending machines. 1,460,979; July 3.
Paine, George L., Company. (See Chabot, Joseph O., assignor.)
Palmer, George L. W., Plainfield, N. J. Folding hood and screen. 1,460,600; July 3.
Palmer, Harry A., assignor to Reynolds Spring Company, Jackson, Mich. Spring structure. 1,460,601; July 3.
Panther Rubber Manufacturing Company. (See Berenstein, Frank.)
Parfumerie Rigaud. (See Kendall, William G.)
Paris, Peter. (See Auletta, Alfred, assignor.)
Park, George, Bayonne, N. J. Feeder for kernel-blanching machines. 1,460,560; July 3.
Park, Nicholas W. (See Haussler, C. F., and Park.)
Parke, Davis & Company. (See Wilkie, Warren, assignor.)
Parker, John W., Barrington, assignor to Brown & Sharpe Manufacturing Company, Providence, R. I. Micrometer caliper. 1,461,005; July 3.
Parker, Raizemond D., Brooklyn, N. Y., assignor to American Telephone and Telegraph Company. Secret-communication system. 1,460,438; July 3.
Parsons, Frederick W., Elmira, N. Y., assignor to Ingersoll-Rand Company, Jersey City, N. J. Compressor valve. 1,460,824; July 3.
Partlow, Howard W., Utica, N. Y. Gas governor for typesetting machines. 1,460,980; July 3.
Payne, Walter B., assignor to Todd Protectograph Company, Inc., Rochester, N. Y. Check writer. 1,460,729; July 3.
Penaflor, Carmelo, Manila, P. I. Laboratory tabulator. 1,460,917; July 3.
Pennsylvania Textile Mills Inc. (See Ericson, E., and Weiss, assignors.)
Pennsylvania Textile Mills, Inc., The. (See Fauser, Gustave M.)
Perry, George R., assignor to Western Envelope Corporation, Brooklyn, N. Y. Locking-tongue envelope. 1,461,016; July 3.
Peters, Francis T., Decatur, Ill. Replaceable ladder rung. 1,460,680; July 3.
Peters, Frank M., and W. H. Hungerford, assignors to Peters Machinery Company, Chicago, Ill. Flat-icing machine. 1,460,825; July 3.
Peters Machinery Company. (See Peters, F. M., and Hungerford, assignors.)
Peterman, Solomon, Nevada, Iowa. Egg-turning attachment for incubators. 1,460,602; July 3.
Peterson, Clarence N., Polk, Nebr. Hog oiler. 1,460,561; July 3.
Petroleum Heat and Power Company. (See Brown, Francis H., assignor.)
Peyree, John, Salem, Oreg. Combined shock absorber and oiling attachment for vehicle springs. 1,460,498; July 3.
Phelps, Byron, assignor of one-half to A. L. Brand, Seattle, Wash. Box tongs. 1,460,730; July 3.
Pickard, Greenleaf W., Newton Center, assignor to Wireless Specialty Apparatus Company, Boston, Mass. Interference preventer. 1,460,439; July 3.
Pickop, George B., New Haven, assignor to The Malleable Iron Fittings Company, Branford, Conn. Tumbling barrel. 1,460,731; July 3.
Pieretti, Giorgio, San Francisco, Calif. Sorting table. 1,460,862; July 3.
Pilger, Herbert, Plainview, Nebr. Fly-chasing screen-door attachment. 1,460,826; July 3.
Plumb, Fayette R., Philadelphia, Pa. Container for files. 1,460,499; July 3.
Plymouth Phonograph Parts Co. (See Trotter, George C., assignor.)
Polk, William D., assignor to American Road Machinery Company, Inc., Kennett Square, Pa. Snowplow. 1,460,440; July 3.
Pollak, Fritz. (See Ripper, Kurt, assignor.)
Popper, Joseph, assignor of one-half to Baird-Daniels Company, Incorporated, New York, and one-half to R. H. Popper, Brooklyn, N. Y. Toy pistol. 1,460,441; July 3.
Popper, Ruby H., et al. (See Popper, Joseph, assignor.)
Portzer, Edward A., St. Marys, Pa. Antiskid chain. 1,460,803; July 3.
Post, Claude L., Chicago, Ill. Envelope-feeding mechanism. 1,460,603; July 3.
Potter, Clarence E., Baltimore, Md. Battery connector. 1,460,604; July 3.
Pratt & Whitney Company. (See Thacher, John J., assignor.)
Pratt, William, Des Moines, Iowa. Beater device for hog-scraping machines. 1,460,863; July 3.
Preston, Edward E., Leicester, England. Making warp knitted fabrics. 1,460,918; July 3.
Priest, John W., Boise, Idaho. Animal hopple. 1,460,919; July 3.
Prim, Thomas M., Ontario, Calif. Automatic railway switch. 1,460,981; July 3.
Pulfrich, Carl, assignor to the Firm Carl Zeiss, Jena, Germany. Photometric device. 1,460,732; July 3.
Purdy, Asa R., Boundbrook, N. J., assignor to Ruberoid Co. Prepared roofing element. 1,460,827; July 3.
Pye, David W., et al., trustees. (See Ducas, Charles, assignor.)
Raach, Walter N., Greenville Borough, and C. E. Shurtliffe, assignors to The Shenango Tire & Rubber Company, Greenville, Pa. Tire. Des. 62,620; July 3.
Rall, Max, assignor to Robert Bosch Aktiengesellschaft, Stuttgart, Germany. Plant for the supervision of the circulation lubrication on power cars. 1,460,500; July 3.
Ramondo, Edoardo, Turin, Italy. Spring wheel. 1,460,920; July 3.
Ramsey, George. (See Hodge, Howard D., assignor.)
Rantasa, Jakob, Vienna, Austria. Automobile sleigh attachment. 1,460,605; July 3.
Read, Charles F., et al. (See Tobolla, Victor T., assignor.)
Read, William L., et al. (See Tobolla, Victor T., assignor.)
Records, Chester E., Anderson, Ind. Domestic water-service system. 1,460,982; July 3.
Re-Flilt Broom Company. (See Neff, Harry D., assignor.)
Reynolds, James L. (See Campbell, J. R., and Reynolds.)
Reynolds Spring Company. (See Palmer, Harry A., assignor.)
Rice, Linden H., Cincinnati, Ohio. Shock absorber. 1,460,443; July 3.
Rich, Malcolm N., Cleveland, Ohio. Recovering zirconium oxide. 1,460,766; July 3.
Richardson, James M., Highland Park, Mich., assignor to Tullte Auto Bulb Company, New York, N. Y. Headlight. 1,460,511; July 3.
Rigby, Thomas, assignor to Berger Bros. Company, Philadelphia, Pa. Gutter end piece. 1,460,733; July 3.
Rigaud, Henri. (See Kendall, William G., assignor.)
Ripper, Kurt, assignor to F. Pollak, Vienna, Austria. Manufacturing condensation products. 1,460,606; July 3.
Ritter, Jakob, Basel, Switzerland. Light-projecting apparatus. 1,460,501; July 3.
River Smelting & Refining Company. (See Utley, Howard H., assignor.)
Robert Bosch Aktiengesellschaft. (See Rall, Max, assignor.)
Robinson, Ernest H. (See Mackenzie, R. W. R., Robinson, Fort, and Lumsden.)
Robinson, John W., Macon, Ga. Mechanical rectifying system. 1,460,444; July 3.
Robinson, Leon A., Peoria, Ill. Attachment for line-casting machines. 1,460,445; July 3.
Rohm & Haas Company. (See Kohn, Siegfried, assignor.)
Rohrback, George T., Buffalo, N. Y. Refrigerator car. 1,460,512; July 3.
Rohrs, Frederick W., Baltimore, Md. Motor fuel. 1,460,767; July 3.
Rolls Royce Limited. (See Royce, Frederick H., assignor.)
Root, L., New York, N. Y., assignor to Scovill Manufacturing Company. Powder box. 1,460,864; July 3.
Ross, David E., assignor to Ross Gear & Tool Company, La Fayette, Ind. Antirattling bushing. 1,460,513; July 3.
Ross Gear & Tool Company. (See Ross, David E., assignor.)
Routson, Howard W., Oakland, Calif. Cleaning stick. 1,460,607; July 3.

Rowan, Harry B., North Attleboro, Mass., assignor to Whiting & Davis Company. Mesh bag. Des. 62,621; July 3.
Rowan, Harry B., North Attleboro, Mass., assignor to Whiting & Davis Company. Mesh bag. Des. 62,622; July 3.
Rowan, John C., South Atlanta, assignor of one-half to W. Dobbs, Atlanta, Ga. Spark plug. 1,460,983; July 3.
Royal Nut Company. (See Zaloom, Salim F., assignor.)
Royal Typewriter Company. (See Hess, Edward B., assignor.)
Royce, Frederick H., assignor to Rolls Royce Limited, Derby, England. Mounting and driving of gear wheels. 1,460,768; July 3.
Ruberoid Company, The. (See Abraham, Herbert, assignor.)
Ruberoid Co. (See Purdy, Asa R., assignor.)
Rudesill, Thomas J., assignor to Scanlon-Morris Co., Madison, Wis. Chart holder. 1,460,502; July 3.
Ruf, William H., Roselle Park, N. J. Wireless detector. 1,460,734; July 3.
Rummel, George F., et al. (See Harter, Noah S., assignor.)
Russell Co., The. (See Kinsley, William S., assignor.)
Ryan, Nicholas J., Tuckahoe, N. Y. Indicator for car seats. 1,460,984; July 3.
S. S. P. Manufacturing Co. (See Werbeck, Walter G., assignor.)
Safepack Mills. (See Schenkelberger, Albert F., assignor.)
Sajeski, Anthony, Nanticoke, Pa. Automobile direction indicator. 1,460,921; July 3.
Sarlandt, Oscar J., San Francisco, Calif. Planer-tool holder. 1,460,681; July 3.
Satenstein, Sidney, New York, N. Y., assignor to Alchemic Gold Company, Inc. Stamping bookbindings and the like. 1,460,391; July 3.
Satzger, Edward, sr., Cincinnati, Ohio. Door-core-assembling device. 1,460,503; July 3.
Sauble, Peter P. (See Caltrider, S. P., and Sauble.)
Saunders, Augustus M., McKeesport, assignor to National Tube Company, Pittsburgh, Pa. Pipe. 1,460,769; July 3.
Saunders, Charles A. L., Elgin, Ill. Shoe liner. 1,460,608; July 3.
Saunders, Frank A., Dubuque, Iowa. Valve-actuating means. 1,460,922; July 3.
Scanlon-Morris Co. (See Rudesill, Thomas J., assignor.)
Schaefer, Otto C., Hoboken, N. J. Antiskid device. 1,460,504; July 3.
Schäfer, Josef, Dortmund, Germany. Sealing vertical coking chambers. 1,460,828; July 3.
Schenkelberger, Albert F., Quincy, assignor to Safepack Mills, Boston, Mass. Multiply reenforced paper. 1,460,392; July 3.
Schleicher, John C., Mount Vernon, N. Y. Building slab. 1,460,682; July 3.
Schmitz, Fred A. (See McPike, H. C., and Schmitz.)
Schneider & Cie. (See Schneider, Eugène, assignor.)
Schneider, Eugène, assignor to Schneider & Cie., Paris, France. Plastic obturator for gun breeches. 1,460,683; July 3.
Schneider, Eugène, assignor to Schneider & Cie., Paris, France. Wheeled gun carriage having divergible trails. 1,460,505; July 3.
Schneider, Joseph, Cincinnati, Ohio. Tire-chain-mounting device. 1,460,506; July 3.
Schnuck, Carl F. (See Bowen, D. R., and Schnuck.)
Schröder, Lloyd F., assignor to Foundation Oven Corporation, New York, N. Y. Reversing mechanism for by-product coke ovens. 1,460,829; July 3.
Schröder, Hans W. C. (See Dräger, A. B., Schröder, and Kunzmann.)
Schultz, Ernest, East Melbourne, Victoria, Australia. Resilient wheel. 1,460,446; July 3.
Schwartz, Jacob G., Rockingham Township, Scott County, Iowa. Blotting inkstand. 1,460,507; July 3.
Scola, Luigi, Newcastle, Wash. Door lock. 1,460,609; July 3.
Scovill Manufacturing Company. (See Hyde, Burdon P., assignor.)
Scovill Manufacturing Company. (See Root, Le Roy, assignor.)
Seaman, David J., Saginaw, Mich. Display fixture. 1,460,684; July 3.
Seaman, David J., Saginaw, Mich. Garment rack. 1,460,685; July 3.
Searle, Robert M., Rochester, N. Y. Reading appliance. 1,460,923; July 3.
Searle, Robert M., Rochester, N. Y. Reading appliance. 1,460,924; July 3.
Searle, Robert M., Rochester, N. Y. Supporting means for gas-retort spouts. 1,460,925; July 3.
Sears, Willard T., Montclair, N. J., assignor to Niles-Bement-Pond Company, New York, N. Y. Axle-milling machine. 1,460,393; July 3.
Sebree, Charles H., and G. C. Berlin, Caldwell, Idaho. Map and record holder. 1,460,610; July 3.
Seggerman, Richard, Fairbury, Nebr. Can-sterilizing apparatus. 1,460,514; July 3.
Self Mounting Carrier Company. (See Lawrence, Frederick K., assignor.)
Selker, Harry, assignor to The Buckeye Brass and Manufacturing Company, Cleveland, Ohio. Bearing and making same. 1,460,515; July 3.
Shampay, Pascal J., Chicago, Ill. Cleaning machine. 1,460,447; July 3.
Shampay, Pascal J., Chicago, Ill. Rug-hanging machine. 1,460,448; July 3.
Shapiro, Joseph, Baltimore, Md. Cone-making machine. 1,460,611; July 3.
Sharp, Clarence E., Gibbsboro, N. J. Color-chip-pasting machine. 1,460,865; July 3.
Shaw, Al B., Medford, assignor to Shaw Specialty Co., Inc., Boston, Mass. Valve stem for pneumatic tires. 1,460,804; July 3.
Shaw Specialty Co. (See Shaw, Al B., assignor.)
Sheen, Milton R., Philadelphia, Pa. Building construction. 1,460,516; July 3.
Shelor, Frederick L. (See Gillespie, S., and Shelor.)
Shenango Tire & Rubber Company. (See Raach, W. N., and Shurtliffe, assignors.)
Shurtliffe, Clinton E. (See Raach, W. N., and Shurtliffe.)
Sickman, Davy V., Denver, Colo. Hydraulic expanding bar. 1,460,508; July 3.
Sieber, Gottwalt, Plauen, Germany. Embroidery machine. 1,460,612; July 3.
Sill, Caroline A., Oklahoma, Okla. Water-supply system for dwellings and the like. 1,460,613; July 3.
Simmen, Paul J., Buffalo, N. Y. Automatic train control. 1,460,449; July 3.
Singer Manufacturing Company, The. (See De Voe, Albert H., assignor.)
Singer Manufacturing Company, The. (See Drake, John J., assignor.)
Skinner, Zebulon S. (See Holmes, Carlton W., assignor.)
Slager, John C. (See Boomershine, Adam, assignor.)
Slonaker, G. N. (See Gutridge, L. A., and Mosier, assignors.)
Small, Lewis F., Braintree, assignor to C. C. Blake, Incorporated, Boston, Mass. Last. 1,460,442; July 3.
Small, Lewis F., Braintree, assignor to C. C. Blake, Incorporated, Boston, Mass. Last. 1,460,450; July 3.
Smith, Charles F. and W. H., Brooklyn, N. Y. Electric condenser. Re15,642; July 3.
Smith, Charlie J., jr., Henderson, N. C. Automobile door opener. 1,460,614; July 3.
Smith, Claude E. (See Dollison, J. M., and Smith.)
Smith, Launcelot E., South Shields, C. Zulver, London, and H. A. Thompson, North Shields, England. Furnace. 1,460,985; July 3.
Smith, Michael J., Tacoma, Wash. Concrete-pipe machine. 1,460,451; July 3.
Smith, Michael J., Morristown, N. J. Plumbing connection. 1,460,986; July 3.
Smith, William H. (See Smith, Charles F. and W. H.)
Snamiska, Henry F., Bremerton, Wash. Precious-metals concentrator. 1,460,452; July 3.
Société Lyonnaise de Compteurs d'Eau. (See Arnaud, Benjamin A., assignor.)
Societe Anonyme des Matières Colorantes & Produits Chimiques de Saint-Denis. (See Wahl, A., and Lantz, assignors.)
Somers, William D. (See Nadiz, R. F., and Somers.)
Soule, George C. (See Woodbury, J. B., and Soule.)
Spartan Needle Company. (See Taft, Sidney E., assignor.)
Sperry, Elmer A. (See Davis, Arthur P., assignor.)
St. John, Spencer H., Long Beach, Calif. Well-pipe screen. 1,460,735; July 3.
Stair, Daniel E., Elkhart, Ind. Reclaiming bucket. 1,460,615; July 3.
Stanford, Will E., Calexico, Calif. Vehicle spring. 1,460,987; July 3.
Starbuck, Ernest, Peoria, Ill. Figure wheeled toy. 1,460,616; July 3.
Steen, Buford J., and W. O. Martin, Christine, Tex. Stump remover. 1,460,617; July 3.
Stein, Myer J., Chicago, Ill. Cushion wheel. 1,460,453; July 3.
Stevens, Hayes C., Pittsburgh, Pa. Typewriter attachment. 1,460,770; July 3.
Stevens, William C., assignor to The Cutler-Hammer Mfg. Co., Milwaukee, Wis. Electromagnet. 1,460,517; July 3.
Stewart-Warner Speedometer Corporation. (See Whittington, Frederik G., assignor.)
Stimmel, Frederick C., Chattanooga, Tenn., assignor to The Casey-Hedges Co. Hand stoker. 1,460,618; July 3.
Stone, William E., Oklahoma, Okla. Dirigible light for automobiles. 1,460,866; July 3.
Stoner, George H., East Boston, Mass. Shock absorber. 1,460,771; July 3.
Stover, Harmon E. (See Sykes, J. P., and Stover.)
Stratton, Harry F., Cleveland Heights, assignor to The Electric Controller & Manufacturing Company, Cleveland, Ohio. Compensator for induction motors. 1,460,926; July 3.
Striefler, Frank. (See Toth, L., Konyves, and Striefler.)
Stringe, Alfred H., assignor to Commercial Furniture Company, Chicago, Ill. Desk. Des. 62,623; July 3.
Stringe, Alfred H., assignor to Commercial Furniture Company, Chicago, Ill. Desk. Des. 62,624; July 3.

Strowbridge, William C., Hartford City, assignor of one-half to L. E. Werry, Hartford, Ind. Gasoline filter. 1,460,867; July 3.

Sturgis, Richard C., Boston, Mass. Fire fan. Des. 62,625; July 3.

Sullivan Machinery Company. (See Halleck, Frank A., assignor.)

Sumner, Henry W., Seattle, Wash. Advertising device. 1,460,619; July 3.

Svaland, Martin, New York, N. Y. Rail crossing. 1,460,686; July 3.

Swaz, Henry, Cincinnati, Ohio. Radiator core. 1,460,805; July 3.

Swenson, Carl E., assignor of one-fourth to L. Faust, one-fourth to E. Ekstrom, and one-fourth to C. L. Anderson, Rockford, Ill. Clutch. 1,460,454; July 3.

Sworeland, Virgil W., Tulsa, Okla. Fishing tool. 1,461,006; July 3.

Sykes, John P., Wallingford, and H. E. Stover, Philadelphia, Pa. Jig for assembling locomotive frames. 1,460,868; July 3.

Szydlowski, Paul, Detroit, Mich. Lock. 1,460,518; July 3.

Tackett, James R., Olive Hill, Ky. Brick machine. 1,460,455; July 3.

Taeubert, Richard, Holyoke, Mass. Automobile signal. 1,460,620; July 3.

Taft, Sydney E., Framingham, Mass., assignor to Spartan Needle Company, Providence, R. I. Knitting needle. 1,461,007; July 3.

Takamine, Jokichi, New York, N. Y., and J. Takamine, jr., Clifton, N. J. Enzymic substance and making the same. 1,460,736; July 3.

Takamine, Jokichi, jr. (See Takamine, Jokichi and J., jr.)

Takamine, Jokichi. (See Wooyenaka, Keizo, assignor.)

Taki, Rokujiro, Abe-Gun, Shizuoka-Ken, Japan. Apparatus for manufacturing lime sulphur. 1,460,621; July 3.

Talbot, Ernest. (See Lebreton, A., and Talbot.)

Taunton Pearl Works, Incorporated. (See Tooker, Harry L., assignor.)

Taylor Instrument Companies. (See Amdursky, Samuel S., assignor.)

Tee-Lok Shingle Company. (See Harshberger, Norman P., assignor.)

Texas Company, The. (See Adams, Joseph H., assignor.)

Thacher, John J., Wethersfield, Conn., assignor to Pratt & Whitney Company, New York, N. Y. Lathe chuck. Re15,643; July 3.

Thew Shovel Company, The. (See Harris, Hollis H., assignor.)

Thofehrn, Herman G. C., deceased, Roselle Park, N. J., D. H. McLean, administrator. Metallurgical process. 1,460,830; July 3.

Thomas, Dwight R., et al. (See Ashley, Erle G, assignor.)

Thomas, Victor W., Waukegan, Ill. Timer elevator for Ford cars. 1,460,806; July 3.

Thompson, Arthur E., Utica, N. Y., assignor to Union Special Machine Company, Chicago, Ill. Power-transmitting device. 1,460,822; July 3.

Thompson, Dean H., Lodi, Calif. Pump. 1,460,988; July 3.

Thompson, Henry G., & Son Company. (See Napier, Charles, assignor.)

Thompson, Herbert A. (See Smith, L. E., Zulver, and Thompson.)

Thompson, Herbert L., Elgin, assignor to Burgess-Norton Manufacturing Company, Geneva, Ill. Internal-combustion engine. 1,460,831; July 3.

Thompson, Ralph S., and C. F. Doscher, New York, N. Y. Vacuum cup. 1,460,927; July 3.

Thornton, W. A., et al. (See Bannon, Frank A., assignor.)

Thropp, Joseph W., Trenton, N. J. Flexible coupling. 1,460,869; July 3.

Tiffany, Leverett W., Winsted, Conn. Level attachment. 1,460,989; July 3.

Tilden, Charles S., assignor to The Elyria Iron & Steel Company, Cleveland, Ohio. Tubular frame. 1,460,928; July 3.

Timmel, Jenny, Ridgefield, N. J. Self-igniting-match container. 1,460,870; July 3.

Tin Decorating Company of Baltimore. (See Hermani, Henry, assignor.)

Tingley, Stephen L., et al, administrators. (See Blackmore, Henry S.)

Titus, Thomas W., South Haven, Kans. Antirattler. 1,460,456; July 3.

Tobolla, Victor T., assignor to W. L. Read and C. F. Read, Chicago, Ill. Coupling head and making same. 1,460,623; July 3.

Todd, Frank, Minneapolis, Minn. Radiator core. 1,460,772; July 3.

Todd Protectograph Company. (See Payne, Walter B., assignor.)

Tomkinson, Charles C., Plainfield, N. J., assignor to J. E. Ogden, Mountainville, N. Y. Door. 1,460,687; July 3.

Tooker, Harry L., assignor to Taunton Pearl Works, Incorporated, Taunton, Mass. Belt buckle. 1,460,688; July 3.

Toth, Louis, C. Konyves, and F. Strieffler, Philadelphia, Pa. Jacquard mechanism for circular-knitting machines. 1,460,990; July 3.

Townsend, George W., St. Albans, N. Y. Device for making armature coils. 1,460,737; July 3.

Traphagen, Harry R., assignor to Emerson-Brantingham Company, Rockford, Ill. Landmarker for planters. 1,460,457; July 3.

Traut & Hine Mfg. Company, The. (See Humphrey, Ernest N., assignor.)

Tremper, Charles W., assignor to The Fuller Mfg. Co., New Haven, Conn. Sheet-feeding mechanism. 1,460,689; July 3.

Trenton Auto Radiator Works. (See Kramer, Nathan and B., assignors.)

Trotter, George C., Chicago, Ill., assignor to Plymouth Phonograph Parts Co., Plymouth, Wis. Automatic stop for phonographs. 1,460,871; July 3.

Truscon Steel Company. (See Briody, Bernard, assignor.)

Tulite Auto Bulb Company. (See Richardson, James M., assignor.)

Tweedy, Edmund F., Glenbrook, Conn. Electric-incandescent-lamp holder. 1,460,394; July 3.

Underfeed Stoker Company of America, The. (See Howse, Curtes L., assignor.)

Underwood Computing Machine Company. (See Ansart, Louis L., assignor.)

Union Carbide & Carbon Research Laboratories, Inc. (See Critchett, James H., assignor.)

Union Industrial Company. (See Forbes, Sumner, assignor.)

Union Special Machine Company. (See Thompson, Arthur E., assignor.)

United Shoe Machinery Corporation. (See Benjamin, John M., assignor.)

United Shoe Machinery Corporation, The. (See Neal, Walter V., assignor.)

Utley, Howard H., Florence, Colo., assignor to River Smelting & Refining Company, St. Louis, Mo. System for cooling flue gases. 1,460,872; July 3.

Van Alstyne, Howard M., Rensselaer, N. Y. Sliding-door fastener. 1,460,991; July 3.

Van Brunt, Jackson W. (See Church, E. D., Lash, and Van Brunt.)

Van Dorn, William E., Chicago, Ill. Corrugated-metal car end. 1,460,738; July 3.

Van Gelderen, Frederik M., Enschede, Netherlands. Insulating cap for electrical-cable joints. 1,460,624; July 3.

Vehling, Christian, Indianapolis, Ind. Ornamental lamp stand. 1,460,992; July 3.

Venon, Jules H., New York, N. Y. Dish. Des. 62,626; July 3.

Venon, Jules H., New York, N. Y. Cup. Des. 62,627; July 3.

Viberg, Ernest R., Montreal, Quebec, Canada. Forged brake-beam fulcrum and making same. 1,460,773; July 3.

Victor Talking Machine Company. (See Burton, Isaac F., assignor.)

Vierling, Jacob A., Jersey City, N. J. Combined infant crib and gocart. 1,460,929; July 3.

Villard, Joseph R., Rochester, N. Y. Automobile signal. 1,460,625; July 3.

Vogel, Otto, Dusseldorf-Oberkassel, Germany. Pickling bath and pickling iron and steel. 1,460,395; July 3.

Wadsworth, Philip C., assignor to Cotona Corporation, New York, N. Y. Cleaning and conditioning cotton for spinning. 1,460,519; July 3.

Wahl, André, Enghien, and R. Lantz, Paris, France, assignors of nine-tenths to Societe Anonyme Des Matières Colorantes & Produits Chimiques De Saint-Denis, Paris, France. Manufacture of 2-oxy-1-aryl naphthylamines. 1,460,774; July 3.

Wahl, Frank S., North Tonawanda, N. Y. Internal-combustion engine. 1,460,458; July 3.

Walker, George W., Oakland, Calif. Garment pocket. 1,460,993; July 3.

Walker, Joseph L., assignor to The K-D Barrel & Hamper Co., Baton Rouge, La. Barrel-making machine. 1,460,459; July 3.

Walker, Joseph L., assignor to The K-D Barrel & Hamper Co., Baton Rouge, La. Machine for making barrels. 1,460,460; July 3.

Walsh, William A., Avoca, Pa. Tire structure. 1,460,775; July 3.

Walters, Odin B., Council Bluffs, Iowa. Road maintaining and resurfacing machine. 1,460,930; July 3.

Walther, Fritz and G., Zelle-Mehlis, Germany. Self-loading firearm. 1,460,807; July 3.

Walther, Georg. (See Walther, Fritz and G.)

Wark, William J., Columbus, Ohio. Sign and its support. 1,460,520; July 3.

Warner, George F., Ennis, Tex. Vehicle signal. 1,460,626; July 3.

Warner Manufacturing Company. (See Cadman, Addi B., assignor.)

Warren, W. Goulding, et al. (See Johnson, Alvin L., assignor.)

Weaver, A. T., et al. (See Harter, Noah S., assignor.)

Weaver, Ira A., Springfield, Ill. Precision instrument for airplanes, etc. 1,460,627; July 3.

Webb, William R., assignor to Eastman Kodak Company, Rochester, N. Y. Cellulose-ether composition. 1,460,690; July 3.

Weinman, Arnold. (See Kuhn-Frei, Emil, assignor.)

Welske, William C., and H. A. Dorman, Detroit, Mich. Visor frame for automobile windshields. 1,460,739; July 3.

Weiss, A., et al. (See Lemoigne, William, assignor.)

Weiss, Roger. (See Ericson, E., and Weiss.)

Welch, John T., assignor to James Heddon's Sons, Dowagiac, Mich. Fishing reel. 1,460,994; July 3.

Welpley, Walter W., assignor of one-half to G. L. Cook, Detroit, Mich. Toothbrush holder. 1,460,995; July 3.

Wentworth, Frank R., Russell, Kan. Watch charm, pendant, or similar article. Des. 62,628; July 3.

Werbeck, Walter G., deceased, by C. W. Hagemann, administrator, assignor to S. S. P. Manufacturing Co., Chicago, Ill. Fluid gauge. 1,460,873; July 3.

Werry, L. E. (See Strawbridge, William C., assignor.)

Wertz, Peter, Pittsburgh, Pa. Safety locomotive-cab valve. 1,460,628; July 3.

West, Merle J., Milwaukee, assignor, by mesne assignments, to H. W. Le Mahieu, Oostburg, Wis. Switch. 1,460,629; July 3.

West, Walter A., Elkhorn, Wis. Sanitary and temperature-insulating jacket for milk cans. 1,460,461; July 3.

Western Envelope Corporation. (See Perry, George R., assignor.)

Wherry, John A., New Orleans, La. Record sheet or card. 1,460,776; July 3.

White, Alphonzo, assignor to Baxter D. Whitney & Son, Inc., Winchendon, Mass. Woodcutting machine. 1,460,874; July 3.

White, Alphonzo, assignor to Baxter D. Whitney & Son, Inc., Winchendon, Mass. Rotary gear pump. 1,460,875; July 3.

White, Donald H. (See Williams, R. R., and White.)

White, Harry T., Highland Park, Mich. Threading tool for automatic machines. 1,460,740; July 3.

White, William S., Denver, Colo. Flushing valve. 1,460,996; July 3.

Whiteford, Alexander W., et al., trustees. (See Ducas, Charles, assignor.)

Whitehead, Richard H., assignor to New Haven Clock Co., New Haven, Conn. Clock case. Des. 62,629; July 3.

Whiting & Davis Company. (See Rowan, Harry B., assignor.)

Whiting Chain Company. (See Killion, John F.)

Whitney, Baxter D., & Son, Inc. (See White, Alphonzo, assignor.)

Whitsett, Cameron A., Chicago, Ill. Spotlamp. 1,460,777; July 3.

Whittington, Frederik G., Evanston, assignor to Stewart-Warner Speedometer Corporation, Chicago, Ill. Transmission drive for motor-vehicle instruments. 1,460,521; July 3.

Whittington, Frederik G., Evanston, assignor to Stewart-Warner Speedometer Corporation, Chicago, Ill. Transmission drive for speedometers. 1,460,522; July 3.

Whittington, Frederik G., Evanston, assignor to Stewart-Warner Speedometer Corporation, Chicago, Ill. Transmission drive for speedometers and the like. 1,460,523; July 3.

Whittington, Frederik G., Evanston, assignor to Stewart-Warner Speedometer Corporation, Chicago, Ill. Angle gear-housing adapter for flexible shafts. 1,460,524; July 3.

Wickland, Algot A., Chicago, Ill., assignor to Campbell, Wyant & Cannon Foundry Co., Muskegon, Mich. Circular-milling machine. 1,460,525; July 3.

Wiederwax, Robert W., assignor to Geist Manufacturing Company, Atlantic City, N. J. Oil burner. 1,460,630; July 3.

Wiederwax, Robert W., assignor to Geist Manufacturing Company, Atlantic City, N. J. Burner. 1,460,631; July 3.

Wiggin, Joseph N., East Orange, assignor to H. B. Wiggin's Sons Company, Bloomfield, N. J. Plaster and controlling the setting of plaster, an accelerator therefor, and making such accelerator. 1,460,396; July 3.

Wiggin's, H. B., Sons Company. (See Wiggins, Joseph N., assignor.)

Wigle, Wilson B., and W. Hughes, Long Beach, Calif. Centering cementing shoe. 1,460,632; July 3.

Wilkie, Warren, assignor to Parke, Davis & Company, Detroit, Mich. Capsule-counting machine. 1,460,778; July 3.

Will, William G., Fairview, Ill. System of control for the carbureting and igniting devices of internal-combustion engines. 1,460,462; July 3.

Williams, James L., New York, N. Y., assignor to The Dentists' Supply Company. Artificial tooth. 1,460,691; July 3.

Williams, Ora W., Minneapolis, Minn. Grain separator. 1,460,463; July 3.

Williams, Robert R., Chicago, Ill., and D. H. White, Berlin, N. H., assignors, by mesne assignments, to S. B. Hunt, trustee, Mount Kisco, N. Y. Manufacture of ketones. 1,460,876; July 3.

Wilson, Ralph W., New York, N. Y. Vanity box. 1,460,509; July 3.

Wilson, Roland A., Tampa, Fla. Touring and camping car. 1,460,464; July 3.

Window Glass Machine Company. (See Clark, Henry F., assignor.)

Winsper, I. R., administrator. (See Mayer, Mathew.)

Winters, Robert E., Coraopolis, Pa., assignor of one-half to A. C. Dean, Pittsburgh, Pa. Adjustable crank pin. 1,460,692; July 3.

Wirebounds Patents Company. (See Landers, David A., assignor.)

Wireless Specialty Apparatus Company. (See Pickard, Greenleaf W., assignor.)

Wirkkala, Oscar A., Kent, Wash. Logging bull hook. 1,460,808; July 3.

Wolf, John, Cicero, and M. Burger, assignors, by mesne assignments, to Ideal Stitcher & Mfg. Co., Chicago, Ill. Wire stitcher. 1,460,526; July 3.

Wood, George H., and F. L. Capen, Boston, Mass. Safety means for cutting machines. 1,460,465; July 3.

Wood, Stanley, Victoria, British Columbia, Canada. Log raft. 1,460,779; July 3.

Wood, Wilfred R., London, England. Mechanical stoker. 1,460,997; July 3.

Woodbury, John B., South Portland, and G. C. Soule, Portland, Me. Rope clamp. 1,460,633; July 3.

Wooyenaka, Keizo, Tokyo, Japan, assignor to J. Takamine, New York, N. Y. Recovery of the active principle of the suprarenal glands. 1,460,832; July 3.

Worsham, James A., Maroa, Ill. Loading and unloading apparatus. 1,460,466; July 3.

Yarnell, Oran, Salt Lake City, Utah. Railway tie. 1,460,467; July 3.

Yeiser, Leon B., and F. C. Lehmann, Cleveland, Ohio. Combined hot and cold water valve. 1,460,931; July 3.

Yerger, Charles W., assignor to The Cutler-Hammer Mfg. Co., Milwaukee, Wis. Motor controller. 1,460,562; July 3.

York, Victor, Los Angeles, Calif. Key adjuster for connecting-rod bearings. 1,460,877; July 3.

Young, Harry W., assignor of one-half to W. Fischer, Milwaukee, Wis. Plumb and level. 1,460,741; July 3.

Zaloom, Salim F., New York, N. Y., assignor to Royal Nut Company. Preserving compound for pistachio nuts. 1,460,510; July 3.

Zangrilli, Joseph, New York, N. Y. Pin clasp. 1,460,998; July 3.

Zehrer, John G., Browns Valley, Minn. Pipe grapple. 1,460,397; July 3.

Zeiss, firm of Carl. (See Pulfrich, Carl, assignor.)

Zingman, Samuel J., New York, N. Y. Combination lock. 1,460,932; July 3.

Zulver, Cornelis. (See Smith, L. E., Zulver, and Thompson.)

ALPHABETICAL LIST OF INVENTIONS

FOR WHICH

PATENTS WERE ISSUED ON THE 3D DAY OF JULY, 1923.

NOTE.—Arranged in accordance with the first significant character or word of the name (in accordance with city and telephone directory practice). **Includes patents, reissues, and designs.**

Abdominal support. M. A. Keeler. 1,460,421; July 3.
Adhesive. O. Johnson. 1,460,757; July 3.
Adjustable brace. W. Lemoigne. 1,460,593; July 3.
Adjustable bracket. A. W. Bendlin. 1,460,697; July 3.
Adjustable seat. W. C. Lister. 1,460,721; July 3.
Advertising device. H. W. Sumner. 1,460,619; July 3.
Aerial propelling machine. S. V. Cortés. 1,460,948; July 3.
Agitator. E. S. Leinan. 1,460,493; July 3.
Air, Apparatus for cleaning. G. H. Nobbs. 1,460,976; July 3.
Air-inlet device. J. H. Loggins. 1,460,550; July 3.
Air separator. W. A. Gibson and C. E. Needham; 1,460,960; July 3.
Airplanes, etc., Precision instrument for. I. A. Weaver. 1,460,627; July 3.
Alarm: *See*—
  Burglar alarm.
Ammunition, Rim-fire. H. D. Hodge. 1,460,013; July 3.
Anatomical support. W. W. Froeschle. 1,460,957; July 3.
Animal hopple. J. W. Priest. 1,460,919; July 3.
Annealing box. I. F. Lehman. 1,460,855; July 3.
Antirattler. T. W. Titus. 1,460,456; July 3.
Antiskid chain. E. A. Fortzer. 1,460,803; July 3.
Antiskid device. O. C. Schaefer. 1,460,504; July 3.
Automobile alarm system. H. C. Hay. 1,460,377; July 3.
Automobile and similar cases, Boot and liner for. J. L. D. Blevans. 1,460,659; July 3.
Automobile brake. N. C. Divelbiss. 1,460,892–3; July 3.
Automobile brake. J. J. Kohout and T. R. Gunson. 1,460,911; July 3.
Automobile direction indicator. A. Sajeski. 1,460,921; July 3.
Automobile door opener. C. J. Smith, jr. 1,460,614; July 3.
Automobile inclosure. G. E. Bishop. 1,460,529; July 3.
Automobile radiator. N. and B. Kramer. 1,460,852; July 3.
Automobile signal. L. H. Charling. 1,460,572; July 3.
Automobile signal. J. F. W. Diegel. 1,460,709; July 3.
Automobile signal. J. E. Hill. 1,460,904; July 3.
Automobile signal. R. Taeubert. 1,460,620; July 3.
Automobile signal. J. R. Villard. 1,460,625; July 3.
Automobile sleigh attachment. J. Rantasa. 1,460,605; July 3.
Automobile spring-supporting mechanism. A. J. Barron. 1,460,782; July 3.
Automobile windshields, Visor frame for. W. C. Weiske and H. A. Dorman. 1,460,739; July 3.
Automobiles, Dirigible light for. W. E. Stone. 1,460,866; July 3.
Axle. S. M. Hall. 1,460,962; July 3.
Axle-milling machine. W. T. Sears. 1,460,393; July 3.
Bait or lure, Fish. L. B. Huntington. 1,460,905; July 3.
Bank, Book-form savings. B. F. Greer. 1,460,716; July 3.
Bank safety device. C. A. Honsinger. 1,460,584; July 3.
Bar: *See*—
  Hydraulic expanding bar.
Barrel-making machine. J. L. Walker. 1,460,459; July 3.
Barrel, Tumbling. G. B. Pickop. 1,460,731; July 3.
Barrels, Machine for making. J. L. Walker. 1,460,460; July 3.
Basket-supporting means. J. E. McGee. 1,460,760; July 3.
Baskets and the like, Device for carrying. M. J. Moore. 1,460,554; July 3.
Baster for cooking, Automatic. H. I. Harvey. 1,460,486, July 3.
Batteries, Terminal for dry. H. M. Koretzky. 1,460,969; July 3.
Battery connector. C. E. Potter. 1,460,604; July 3.
Battery terminal. L. A. Doughty and F. S. Carlile. 1,460,895; July 3.
Beam support. G. Adsit. 1,460,468; July 3.
Bearing and making same. H. Selker. 1,460,515; July 3.
Bearing housing, Sheave-. J. H. Foote. 1,460,541; July 3.
Bearings, Grease retainer for journal. G. A. Boyer. 1,460,939; July 3.
Bearings, Key adjuster for connecting-rod. V. York. 1,460,877; July 3.
Belt, Life. F. Morse. 1,460,430; July 3.
Bicycles, Explosive-engine attachment for. E. S. Caleno. 1,460,811; July 3.

Binder, Loose-leaf. H. A. Dudley. 1,460,663; July 3.
Binder, Loose-leaf. H. A. Dudley. 1,460,712; July 3.
Blanching machines, Feeder for kernel-. G. Park. 1,460,560; July 3.
Blast furnace. P. J. Moran. 1,460,429; July 3.
Blasting, Apparatus for use in. R. D. Harris. 1,461,012; July 3.
Bloomers, Reenforced. S. Gelarie. 1,460,666; July 3.
Boiler-tube cleaner. J. H. Goodfellow. 1,460,669; July 3.
Book covers, Machine for making. T. E. Heeter. 1,460,581; July 3.
Bookbindings and the like, Stamping. S. Satenstein. 1,460,391; July 3.
Bookrack. L. D. Cadenhead. 1,460,642; July 3.
Box: *See*—
  Annealing box. Sign box.
  Powder box. Vanity box.
Box-making machine. J. Albrecht. 1,460,693; July 3.
Boxes, Machine for use in making. D. A. Landers. 1,461,014; July 3.
Boxes, Oil retainer for journal. A. Boomershine. 1,460,809; July 3.
Brace: *See*—
  Adjustable brace.
Bracket: *See*—
  Adjustable bracket.
Brake: *See*—
  Automobile brake.
Brake-beam fulcrum and making same, Forged. E. R. Viberg. 1,460,773; July 3.
Bread, Machine for preparing buttered. L. F. J. Dixen. 1,460,371; July 3.
Brick machine. J. R. Tackett. 1,460,455; July 3.
Broom bundles or units, Machine for making. H. D Neff. 1,461,015; July 3.
Brush. A. Hokanson. 1,460,850; July 3.
Brush, Rotary. S. C. Bougher. 1,460,883; July 3.
Brush, Rotary. A. L. Norris. 1,460,765; July 3.
Brush, Timer. J. F. Beavan. 1,460,937; July 3.
Bucket, Reclaiming. D. E. Stair. 1,460,615; July 3.
Buckle. E. N. Humphrey. 1,460,381; July 3.
Buckle. E. N. Humphrey. 1,460,756; July 3.
Buckle, Belt. H. L. Tooker. 1,460,688; July 3.
Building construction. M. R. Sheen. 1,460,516; July 3.
Building, Knockdown concrete. W. C. Broughton. 1,460,941; July 3.
Building slab. J. C. Schleicher. 1,460,682; July 3.
Burglar alarm. J. W. Longworth. 1,460,818; July 3.
Burner: *See*—
  Fuel-oil burner. Oil burner.
Burner. R. W. Wiederwax. 1,460,631; July 3.
Burners, Inductor for gas. C. F. Haussler and N. W. Park. 1,460,903; July 3.
Bushing, Antirattling. D. E. Ross. 1,460,513; July 3.
Button. J. P. Bowles. 1,460,840; July 3.
Button, Separable. J. O. Chabot. 1,461,009; July 3.
Cam. R. F. Hall. 1,460,651; July 3.
Camera, Enlarging. E. C. Fritts. 1,460,714; July 3.
Camera support. R. Kroedel. 1,460,816; July 3.
Cameras, Loading means for film magazines for. H. Newman. 1,460,435; July 3.
Can punch and seal. A. Johnson. 1,460,418; July 3.
Cans and the like, Device for soldering ice. W. W. Langdon. 1,460,549; July 3.
Cans, etc., Can-cap-seaming apparatus for varnish. A. M. Augensen. 1,460,398; July 3.
Cans, Sanitary and temperature insulating jacket for milk. W. A. West. 1,460,461; July 3.
Candy confection, Hard. A. Hochstraser. Des. 62,611; July 3.
Capsule-counting machine. W. Wilkie. 1,460,778; July 3.
Car end, Corrugated-metal. W. E. Van Dorn. 1,460,738; July 3.
Car-journal roller bearing, Railway-. K. F. Nystrom. 1,460,802; July 3.
Car, Mine. F. S. Barks. 1,460,696; July 3.
Car, Refrigerating. G. T. Rohrback. 1,460,512; July 3.
Car replacer. F. D. McGinley. 1,460,973; July 3.
Car roof. C. D. Bonsall. 1,460,568; July 3.
Car roof. G. C. Murray. 1,460,496; July 3.
Car seats, Indicator for. N. J. Ryan. 1,460,984; July 3.
Car skid, Mine-. T. L. Campbell. 1,460,885; July 3.

Car, Touring and camping. R. A. Wilson. 1,460,464; July 3.
Carrier: *See*—
  Luggage carrier.
Cars, Plant for the supervision of the circulation lubrication on power. M. Rall. 1,460,500; July 3.
Cars, Timer elevator for Ford. V. W. Thomas. 1,460,806; July 3.
Case: *See*—
  Vanity case.
Case. G. Burroughs. 1,460,942; July 3.
Casing cutter. A. Dix. 1,460,894; July 3.
Cellulose-ether composition. W. R. Webb. 1,460,690; July 3.
Cement blocks, Mold for. J. Bondi. 1,460,403; July 3.
Cementing shoe, Centering. W. B. Wigle and W. Hughes. 1,460,632; July 3.
Cementitious compositions suitable for flooring, paving, and so forth. C. F. Curtis. 1,460,643; July 3.
Chart holder. T. J. Rudesill. 1,460,502; July 3.
Check writer. W. B. Payne. 1,460,729; July 3.
Cigar band, Detachable. E. L. Broome. 1,460,641; July 3.
Clamp: *See*—
  Rope clamp. Tire clamp.
  Strain clamp.
Clasp: *See*—
  Pin clasp.
Cleaner: *See*—
  Boiler-tube cleaner.
Cleaning machine. P. J. Shampay. 1,460,447; July 3.
Cleaning stick. H. W. Routson. 1,460,607; July 3.
Clock case. R. H. Whitehead. Des. 62,629; July 3.
Clutch. C. E. Swenson. 1,460,454; July 3.
Coal, shale, etc., Apparatus for devolatilizing. C. M. Garland. 1,460,414; July 3.
Coils, Device for making armature. G. W. Townsend. 1,460,737; July 3.
Coin-bank register. J. B. Ingalls. 1,460,908; July 3.
Coin-changing mechanism. D. Allen. 1,460,878; July 3.
Coking the discharged material from low-temperature distillation apparatus, Process and apparatus for. E. Barrs. 1,460,638; July 3.
Combination lock. S. J. Zingman. 1,460,932; July 3.
Combustion, Apparatus for regulating. F. H. Brown. 1,460,366; July 3.
Communication system, Secret-. R. D. Parker. 1,460,438; July 3.
Compressor, expander, motor, and pump, Rotary. W. J. Hawkins. 1,460,487; July 3.
Computing machine. L. L. Ansart. 1,460,469; July 3.
Concrete mixer. B. C. Carey. 1,460,571; July 3.
Concrete-pipe machine. M. J. Smith. 1,460,451; July 3.
Condensation products, Manufacturing. K. Ripper. 1,460,606; July 3.
Condensation trap. H. C. Ellis. 1,460,410; July 3.
Condenser, Electric. C. F. and W. H. Smith. Re15,642; July 3.
Cone-making machine. J. Shapiro. 1,460,611; July 3.
Control mechanism. J. Buckley. 1,460,785; July 3.
Conveyer. S. L. Eustis, jr. 1,460,952; July 3.
Conveying and screening apparatus. E. E. Landahl. 1,460,491; July 3.
Conveying apparatus. B. V. Edwards. 1,460,539; July 3.
Coking chambers, Sealing vertical. J. Schäfer. 1,460,828; July 3.
Cooking utensil. W. P. Miller and N. J. Karayanis. 1,460,975; July 3.
Corking machine. S. Gillespie and F. L. Shelor. 1,460,650; July 3.
Cotton-boll ripening apparatus. W. Morava. 1,460,555; July 3.
Couch rolls, Apparatus for conditioning. H. Boyle. 1,460,365; July 3.
Counterpoise. B. P. Joyce. 1,460,419–20; July 3.
Coupling: *See*—
  Flexible coupling. Trailer coupling.
  Stovepipe coupling.
Coupling head and making same. V. T. Tobolla. 1,460,623; July 3.
Crank pin, Adjustable. R. E. Winters. 1,460,692; July 3.
Crank shafts and forming crank shafts, Means and dies for drop-forging. H. H. Keeports. 1,460,720; July 3.
Crates, Attachment for fruit. R. W. Hicks. 1,460,797; July 3.
Crib and gocart, Combined infant. J. A. Vierling. 1,460,929; July 3.
Crowning machine. F. J. Fallada. 1,460,577; July 3.
Cup: *See*—
  Teat cup. Vacuum cup.
Cup. J. H. Venon. Des. 62,627; July 3.
Current cut-out. C. F. Gilchrist. 1,460,961; July 3.
Current motor. H. P. Molander. 1,460,495; July 3.
Curtain and drapery support. W. J. Donovan. 1,460,575; July 3.
Curtain guide. F. McLesky and W. P. W. Johnson. 1,460,857; July 3.
Cushion wheel. M. J. Stein. 1,460,453; July 3.
Cutter: *See*—
  Casing cutter. Fly cutter.
Cutting machines, Safety means for. G. H. Wood and F. L. Capen. 1,460,465; July 3.
Desk. A. H. Stringe. Des. 62,623–4; July 3.
Desks, seats, and chairs, Floor fastening for. L. H. McKee. 1,460,425; July 3.
Diazodinitrophenol, Manufacturing. W. M. Dehn. 1,460,708; July 3.
Diestock. W. V. Bulman. 1,460,786; July 3.
Dish. J. H. Venon. Des. 62,626; July 3.
Dishwashing apparatus. C. B. Belknap. 1,460,400; July 3.
Display and the like, Surface for pictorial. C. E. A. Merrow. 1,460,553; July 3.
Display fixture. D. J. Seaman. 1,460,684; July 3.
Direction indicator. A. Butter. 1,460,701; July 3.
Door. C. C. Tomkinson. 1,460,687; July 3.
Door attachment, Fly-chasing screen-. H. Pilger. 1,460,826; July 3.
Door-core-assembling device. E. Satzger, sr. 1,460,503; July 3.
Door engine control. L. P. Hynes. 1,460,382; July 3.
Door fastener, Sliding-. H. M. Van Alstyne. 1,460,991; July 3.
Door lock. L. Scola. 1,460,609; July 3.
Draft means. R. T. Ashley. 1,460,564; July 3.
Draft regulator. C. H. Abbott. 1,460,634; July 3.
Drafting device. O. E. Noble. 1,460,497; July 3.
Drafting instrument. C. F. Golden. 1,460,482; July 3.
Dredger. A. O. Olden. 1,460,558; July 3.
Drier: *See*—
  Film drier.
Driers, kilns, calcining furnaces, retorts, or the like, Stuffing box for rotary. H. Nielsen and B. Laing. 1,460,764; July 3.
Drum controller. B. Hunter. 1,460,546; July 3.
Dumb-waiter lock. S. J. Hoff. 1,460,417; July 3.
Dyeing skins, hairs, and the like. O. Kaltwasser and L. Kirberger. 1,460,758; July 3.
Electric circuits, Device for replacing base wire and for indicating blown-out. P. Davies. 1,460,478; July 3.
Electric cut-out. S. M. and J. H. Carmean. 1,460,943; July 3.
Electric heater. L. P. Hynes. 1,460,815; July 3.
Electrical-cable joints, Insulating cap for. F. M. van Gelderen. 1,460,624; July 3.
Electrical conductors, Distributing-box connection for. H. H. Berry. 1,460,698; July 3.
Electrodes, Feeding and rotating means for. A. P. Davis. 1,460,793; July 3.
Electromagnet. W. C. Stevens. 1,460,517; July 3.
Elevator: *See*—
  Well elevator.
Elevator dump. I. S. Alton. 1,460,635; July 3.
Elevators, Guide shoe for. R. Brenne. 1,460,404; July 3.
Elevators, System of control for electric. P. H. Brodesser. 1,460,569; July 3.
Embroidery machine. G. Sieber. 1,460,612; July 3.
Enamels, Continuously melting vitreous. F. D. Cook. 1,460,888; July 3.
Engine: *See*—
  Internal-combustion engine.
Engine charge-forming device, Combustion-. J. Good. 1,460,667; July 3.
Engines, Priming device for internal-combustion. C. E. Chapman. 1,460,886; July 3.
Engines, System of control for the carbureting and igniting devices of internal-combustion. W. G. Will. 1,460,462; July 3.
Engines, Vaporizer and mixer for internal-combustion. J. Askins. 1,460,470; July 3.
Envelope-feeding mechanism. C. L. Post. 1,460,603; July 3.
Envelope, Locking-tongue. G. R. Perry. 1,461,016; July 3.
Enzymic substance and making the same. J. Takamine and J. Takamine, jr. 1,460,736; July 3.
Ethylene, Production of. P. E. Haynes and G. O. Curme, jr. 1,460,545; July 3.
Excavating machine. W. Hebsacker. 1,460,671; July 3.
Excavating machines or the like, Control mechanism of. H. H. Harris. 1,460,813; July 3.
Extension table. J. Hlozek. 1,460,754; July 3.
Eyelet, Lace. J. T. Harper. 1,460,899; July 3.
Fabrics, Beetling and treatment of. R. W. R. Mackenzie, E. Robinson, M. Fort, and J. D. Lumsden. 1,460,858; July 3.
Faucet. H. Mock. 1,460,727; July 3.
Feeder, Calf. J. L. Crook, jr. 1,460,890; July 3.
Fencepost attachment. P. T. Bailey. 1,460,936; July 3.
Files, Container for. F. R. Plumb. 1,460,499; July 3.
Film drier. J. W. and W. W. Hicks. 1,460,378; July 3.
Film-spool support. L. Lisson. 1,460,971; July 3.
Filter, Gasoline. W. C. Strowbridge. 1,460,867; July 3.
Finger ring. C. W. Holmes. 1,460,798; July 3.
Fire fan. R. C. Sturgis. Des. 62,625; July 3.
Firearm, Self-loading. F. and G. Walther. 1,460,807; July 3.
Fishing reel. J. T. Welch. 1,460,994; July 3.
Fishing tool. V. W. Swoveland. 1,461,006; July 3.
Flexible coupling. J. W. Thropp. 1,460,869; July 3.
Flexible joint. B. Liebowitz. 1,460,817; July 3.
Fluid-fuel burner. J. A. Bishop. 1,460,473; July 3.

Fluid-fuel burners, Mixing chamber for. G. A. De Guire. 1,460,369; July 3.
Fluid gauge. W. G. Werbeck. 1,460,873; July 3.
Fly cutter, Expanding. J. P. Mills. 1,460,427; July 3.
Folding machines, Switch attachment for. L. A. Gutridge and P. M. Mosier. 1,460,544; July 3.
Foot rest. J. W. De Shields. Des. 62,604; July 3.
Forceps, Hemostatic. J. F. Callahan. 1,460,531; July 3.
Forging machine. F. A. Halleck. 1,461,011; July 3.
Fountain: *See*—
Poultry fountain.
Fowl from escaping, Means for preventing. H. Dornseif. 1,460,748; July 3.
Frame: *See*—
Tubular frame.
Fruit and producing same, Artificial. J. H. Emery. Re15,641; July 3.
Fruit picker. R. A. Howe and J. F. Irish. 1,460,755; July 3.
Frying pan. H. C. Hughes. 1,460,380; July 3.
Fuel, Burning pulverized. J. E. Muhlfeld and V. Z. Caracristi. 1,460,916; July 3.
Fuel chute. J. L. Falk. 1,460,713; July 3.
Fuel, Motor. F. W. Rohrs. 1,460,767; July 3.
Fuel-oil burner. W. M. Hoffman. 1,460,719; July 3.
Fuel-saving device. J. Hyvert. 1,460,964; July 3.
Furnace: *See*—
Blast furnace.
Furnace. L. E. Smith, C. Zulver, and H. A. Thompson. 1,460,985; July 3.
Furnaces, Burner for. H. F. Clark. 1,460,947; July 3.
Furnaces, Rabbling arm for roasting. D. Baird. 1,460,658; July 3.
Furniture, Combination. C. E. Kuhn. 1,460,591; July 3.
Fuse plug, Electric. W. Ile. 1,460,675; July 3.
Game apparatus. N. S. Harter. 1,460,670; July 3.
Game, Appliance for playing an improved card. A. E. Harvey. 1,460,485; July 3.
Game device. F. Johnson. 1,460,966; July 3.
Game-piece support. R. C. Cunningham. 1,460,791; July 3.
Garment pocket. G. W. Walker. 1,460,993; July 3.
Garment rack. D. J. Seaman. 1,460,685; July 3.
Gas breaker. J. J. Freeman. 1,460,896; July 3.
Gas-retort spouts, Supporting means for. R. M. Searle. 1,460,925; July 3.
Gas scrubber. H. G. Johnston. 1,460,490; July 3.
Gases, System for cooling flue. H. H. Utley. 1,460,872; July 3.
Gasoline-dispensing apparatus, Name plate for. W. C. MacMillen. Des. 62,616; July 3.
Gauge: *See*—
Fluid gauge.
Gauge. S. E. Allwright. 1,460,563; July 3.
Gear. F. Gahlert, jr. 1,460,958; July 3.
Gear, Drag-spindle. M. Maag. 1,460,552; July 3.
Gears by new method, Apparatus for rolling. H. N. Anderson. 1,460,528; July 3.
Gearing, Flexible. M. de Connick. 1,460,661; July 3.
Glands, Recovery of the active principle of the suprarenal. K. Wooyenaka. 1,460,832; July 3.
Glass, Method of and apparatus for drawing sheet. S. B. Henshaw. 1,460,782; July 3.
Glass-mold-burnishing process and apparatus. S. F. Arbuckle. 1,460,836; July 3.
Glass, Process of and apparatus for making sheet. W. E. Heal. 1,460,488; July 3.
Golf-stroke counter. H. K. Brooks. 1,460,842; July 3.
Governor. H. H. Ide. 1,460,907; July 3.
Grain separator. O. W. Williams. 1,460,463; July 3.
Grapple, Pipe. J. G. Zehrer. 1,460,397; July 3.
Grinding machine. U. Anderson. 1,460,934; July 3.
Grinding machine. J. T. McGrath. 1,460,724; July 3.
Gun breeches, Plastic obturator for. E. Schneider. 1,460,683; July 3.
Gun carriage having divergible trails, Wheeled. E. Schneider. 1,460,505; July 3.
Guns, Cartridge-feeding mechanism for machine. M. L. Johnston. 1,460,800; July 3.
Guns, Operating slide and handle for machine. W. T. Gorton. 1,460,415; July 3.
Gutter end piece. T. Rigby. 1,460,733; July 3.
Hair-waving machine. J. M. Higgins. 1,460,653; July 3.
Hammer, Riveting. P. H. Leckinger. 1,460,424; July 3.
Harrows, Shoe for disk. C. M. Jacobs. 1,460,489; July 3.
Headlight. J. M. Richardson. 1,460,511; July 3.
Headlight construction. S. F. Arbuckle. 1,460,834; July 3.
Headlight, Dirigible. P. J. Elledge. 1,460,540; July 3.
Headlights of automobiles, Apparatus for automatically controlling the. J. L. and J. T. Iles. 1,460,965; July 3.
Heater: *See*—
Electric heater.
Heating apparatus. A. M. Mertzanoff. 1,460,820; July 3.
Heel, Shoe. F. Berenstein. Des. 62,599; July 3.
Helical teeth, more particularly for bevel gears, Method and machine for planing. H. Brandenberger. 1,460,640; July 3.
Hog oiler. C. N. Peterson. 1,460,561; July 3.
Hog ringing device. W. W. Lamson. 1,460,970; July 3.
Hog-scraping machines, Beater device for. W. Pratt. 1,460,863; July 3.
Holder. E. H. and R. H. Binns. 1,460,743; July 3.
Hood and screen, Folding. G. L. W. Palmer. 1,460,600; July 3.
Hook: *See*—
Logging bull hook.
Hose reel. F. L. Greenlaw. 1,460,897; July 3.
Hydraulic expanding bar. D. V. Sickman. 1,460,508; July 3.
Ice-cream dipper. W. G. Lyman. 1,460,551; July 3.
Icing machine, Flat-. F. M. Peters and W. H. Hungerford. 1,460,825; July 3.
Ice manufacture. R. Ellis. 1,460,646; July 3.
Images, Production of complemental. D. F. Comstock. 1,460,706; July 3.
Incubators, Egg-turning attachment for. S. Peterman. 1,460,602; July 3.
Index tab, Card-. H. C. McPike and F. A. Schmitz. 1,460,761; July 3.
Indicator: *See*—
Automobile direction indicator.
Direction indicator.
Street indicator.
Indicator and gauge, Combined. T. R. Nichols. 1,460,436; July 3.
Inkstand, Blotting. J. G. Schwartz. 1,460,507; July 3.
Interference preventer. G. W. Pickard. 1,460,439; July 3.
Internal-combustion engine. W. B. Bronander. 1,460,474–5; July 3.
Internal-combustion engine. W. R. Crider. 1,460,789; July 3.
Internal-combustion engine. J. Good. 1,460,668; July 3.
Internal-combustion engine. R. M. Lovejoy. 1,460,722; July 3.
Internal-combustion engine. E. E. Neldner. 1,460,728; July 3.
Internal-combustion engine. H. L. Thompson. 1,460,831; July 3.
Internal-combustion engine. F. S. Wahl. 1,460,458; July 3.
Ironing-board construction. R. F. Nadig and W. D. Somers. 1,460,432; July 3.
Jack: *See*—
Lifting jack.
Screw jack.
Joint: *See*—
Flexible joint.
Kennel, Window dog. C. Chaplin. 1,460,945; July 3.
Ketones, Manufacture of. R. R. Williams and D. H. White. 1,460,876; July 3.
Knitted fabrics, Making warp. E. E. Preston. 1,460,918; July 3.
Knitting machines, Jacquard mechanism for circular-. L. Toth, C. Konyves, and F. Strieffler. 1,460,990; July 3.
Laboratory tabulator. C. Penaflor. 1,460,917; July 3.
Ladder, Combination. E. Darnell and L. G. Cassidy. 1,460,792; July 3.
Ladder, Folding. A. S. Dixon. 1,460,479; July 3.
Ladder rung, Replaceable. F. T. Peters. 1,460,680; July 3.
Lamp holder, Electric-incandescent-. E. F. Tweedy. 1,460,394; July 3.
Lamp stand, Ornamental. C. Vehling. 1,460,992; July 3.
Last. L. F. Small. 1,460,442; July 3.
Last. L. F. Small. 1,460,450; July 3.
Last and making the same. T. W. McNichol. 1,460,679; July 3.
Lasts, Machine for sawing. T. W. McNichol. 1,460,678; July 3.
Lathe chuck. J. J. Thacher. Re15,643; July 3.
Laundry assorting and marking booths, Conveyor device for. C. W. Canine. 1,460,660; July 3.
Level attachment. L. W. Tiffany. 1,460,989; July 3.
Life buoy. G. Haack. 1,460,483; July 3.
Lifting jack. J. Kaupert. 1,460,851; July 3.
Light distributors and manufacturing the same uniformly in quantities, Making. S. F. Arbuckle. 1,460,835; July 3.
Light-projecting apparatus. J. Ritter. 1,460,501; July 3.
Line-casting machines, Attachment for. L. A. Robinson. 1,460,445; July 3.
Links, Securing wrist pins for chain. R. W. Dull. 1,460,749; July 3.
Liquid meter. R. S. Bassett. 1,460,471; July 3.
Liquid meter. A. R. Granberg. 1,460,715; July 3.
Liquids, fluids, and oils, Apparatus for the conversion and transformation of. J. H. Adams. 1,461,017; July 3.
Lithographing machines, Feeding mechanism for tin-plate. S. Finigan. 1,460,373; July 3.
Loading and unloading apparatus. J. A. Worsham. 1,460,466; July 3.
Lock: *See*—
Combination lock.
Dumb-waiter lock.
Door lock.
Nut lock.
Lock. P. Szydlowski. 1,460,518; July 3.
Locomotive frames, Jig for assembling. J. P. Sykes and H. F. Stover. 1,460,868; July 3.
Logging bull hook. O. A. Wirkala. 1,460,808; July 3.
Looms, Filling-fork grid for. N. Knight. 1,460,589; July 3.

Looms, Pipe attachment for steam. O. F. McEnaney. 1,460,972; July 3.
Lubricating, cleaning, and painting apparatus. F. A. Bannon. 1,460,695; July 3.
Lubricating system and apparatus. W. M. S. Kilgour. 1,460,383; July 3.
Lubrication record. S. S. Emery. 1,460,576; July 3.
Luggage carrier. E. E. Conine. 1,461,008; July 3.
Magnetizing bodies. E. Kuhn-Frei. 1,460,759; July 3.
Magneto. G. Natoli. 1,460,763; July 3.
Map and record holder. C. H. Sebree and G. C. Berlin. 1,460,610; July 3.
Match container, Self-igniting-. J. Timmel. 1,460,870; July 3.
Material-handling apparatus. W. S. Kinsley. 1,460,384; July 3.
Measuring device, Automatic. E. D. Church, F. S. Lash, and J. W. Van Brunt. 1,460,573; July 3.
Measuring electrical resistances, Method of and apparatus for. R. P. Brown and C. P. Frey. 1,460,530; July 3.
Mechanical rectifying system. J. W. Robinson. 1,460,444; July 3.
Mesh bag. J. F. Killion. Des. 62,612; July 3.
Mesh bag. H. B. Rowan. Des. 62,621–2; July 3.
Metals, Burner for the autogenous cutting of. A. B. Dräger, H. W. C. Schröder, and E. W. Kunzmann. 1,460,662; July 3.
Metallurgical process. H. G. C. Thofehrn. 1,460,830; July 3.
Meter: *See*—
Fluid-fuel meter.
Water meter.
Liquid meter.
Micrometer caliper. J. W. Parker. 1,461,005; July 3.
Milling machine, Circular-. A. A. Wickland. 1,460,525; July 3.
Mills, Lining for ball. E. Hedburg. 1,460,796; July 3.
Mixer: *See*—
Concrete mixer.
Mop, Polishing. F. J. Learman. 1,461,003; July 3.
Motor: *See*—
Current motor.
Outboard motor.
Motor and means for controlling the same. E. V. Hartford. 1,461,001; July 3.
Motor controller. C. W. Yerger. 1,460,562; July 3.
Motors, Compensator for induction. H. F. Stratton. 1,460,926; July 3.
Motors, Overload protective device for electric. E. Newnham. 1,460,556; July 3.
Motors, Speed governor for pneumatic. W. C. Collignon. 1,460,705; July 3.
Muffler and vaporizer, Combined. P. Dunlap. 1,460,664; July 3.
Music-roll container. B. V. O'Neill. 1,460,978; July 3.
Necktie holder. P. L. Markay. 1,460,725; July 3.
Needle, Knitting. S. E. Taft. 1,461,007; July 3.
Nitrates, Making. H. Hampel. 1,460,898; July 3.
Nut lock. O. J. Boutte. 1,460,884; July 3.
Nut lock. A. Ftyklo. 1,460,412; July 3.
Nuts, Machine for shucking vegetable ivory. H. W. Crowell. 1,460,747; July 3.
Nuts, Preserving compound for pistachio. S. F. Zaloom. 1,460,510; July 3.
Oil burner. R. W. Wiederwax. 1,460,630; July 3.
Oil, Purifying and dehydrating switch. C. H. Hapgood. 1,460,718; July 3.
Outboard motor. W. F. A. Buehner. 1,460,570; July 3.
Oven and cooking utensil, Combined field. B. L. Braddick. 1,460,639; July 3.
Ovens, Reversing mechanism for by-product coke. L. F. Schrader. 1,460,829; July 3.
Package conveying and distributing device. S. Olson. 1,460,437; July 3.
Padlocks, Detachable keyhole seal for. T. W. Benson. 1,460,472; July 3.
Pail and stand, Combined. A. G. Harrington. 1,460,484; July 3.
Pan: *See*—
Frying pan.
Paper cones, Machine for making. J. Eppler. 1,460,750; July 3.
Paper, Device for perforating. I. H. Fruchter. 1,460,647; July 3.
Paper, Multiply reenforced. A. F. Schenkelberger. 1,460,392; July 3.
Paper-reenforcing machine and method thereof. A. E. Currier. 1,460,949; July 3.
Paper-sheet-feeding machine. F. R. Hartman. 1,460,376; July 3.
Papeterie, Folding. B. E. McSheehy. 1,460,426; July 3.
Pasting machine, Color-chip-. C. E. Sharp. 1,460,865; July 3.
Pendant, Luminous. W. F. Arzinger. 1,460,694; July 3.
Pen, Fountain. D. A. Glushak. 1,460,481; July 3.
Pen or pencil case. F. J. Kristofek. Des. 62,613–15; July 3.
Pen, Self-filling. H. Lewison. 1,460,386; July 3.
Phonograph. W. A. Fricke. 1,460,579; July 3.
Phonographs, Automatic replay and record shift for. E. B. Broslus. 1,460,940; July 3.
Phonographs, Automatic stop for. M. E. Griswold. 1,460,543; July 3.
Phonographs, Automatic stop for. G. C. Trotter. 1,460,871; July 3.
Photographic reversal process. J. G. Capstaff. 1,460,703; July 3.
Photography and photographic elements, Color. M. C. Hopkins. 1,460,673; July 3.
Photometric device. C. Pulfrich. 1,460,732; July 3.
Picker: *See*—
Fruit picker.
Pickling bath and pickling iron and steel. O. Vogel. 1,460,395; July 3.
Picture book and puzzle, Combined. E. Buffington. 1,460,700; July 3.
Picture cabinet, Optical. S. Kucharski. 1,460,590; July 3.
Pictures, Taking. I. Boysen. 1,460,744; July 3.
Pigment and paint. H. S. Blackmore. 1,460,699; July 3.
Pin: *See*—
Crank pin.
Pin clasp. J. Zangrilli. 1,460,998; July 3.
Pineapple-shell-feeding device. H. F. Opperman. 1,460,559; July 3.
Pipe. A. M. Saunders. 1,460,769; July 3.
Pistol, Automatic. J. B. Hines. 1,460,672; July 3.
Piston. D. P. Davies. 1,460,535; July 3.
Piston, Engine. R. L. Dewar. 1,460,537; July 3.
Plane, Cooper's sun. C. H. Grath. 1,460,717; July 3.
Planer-tool holder. O. J. Sarlandt. 1,460,681; July 3.
Planters, Landmarker for. H. R. Traphagen. 1,460,457; July 3.
Plaster and controlling the setting of plaster, an accelerator therefor, and making such accelerator. J. N. Wiggin. 1,460,396; July 3.
Plastic material, Mixing or masticating heavy. D. R. Bowen and C. F. Schnuck. 1,460,938; July 3.
Plastic substances, Apparatus for molding. R. H. S. Abbott and J. B. Close. 1,460,933; July 3.
Plumb and level. H. W. Young. 1,460,741; July 3.
Plumbing connection. M. J. Smith. 1,460,986; July 3.
Pool-table register. C. Absmeier. 1,460,527; July 3.
Poultry fountain. S. P. Caltrider and P. P. Sauble. 1,460,702; July 3.
Powder box. L. Root. 1,460,864; July 3.
Power-transmitting device. A. E. Thompson. 1,460,622; July 3.
Precious-metals concentrator. H. F. Snamiska, 1,460,452; July 3.
Printing and addressing machine. J. S. Duncan. 1,460,711; July 3.
Pump. D. H. Thompson. 1,460,988; July 3.
Pump and regulating the same. L. F. Moody. 1,460,428; July 3.
Pump, Rotary gear. A. White. 1,460,875; July 3.
Pumps, Arrangement of oil. E. L. Müller. 1,460,431, July 3.
Rack: *See*—
Garment rack.
Racket and the like, Tennis. E. F. Gallaudet. 1,460,665; July 3.
Radiator. P. J. H. Bernard. 1,460,881; July 3.
Radiator core. H. Sway. 1,460,805; July 3.
Radiator core. F. Todd. 1,460,772; July 3.
Radiator-repair machine. M. Gerber. 1,460,480; July 3.
Radio receiving system, Directional. R. H. Marriott. 1,460,801; July 3.
Raft, Log. S. Wood. 1,460,779; July 3.
Rail crossing. M. Svalland. 1,460,686; July 3.
Rail fastener. E. M. McVicker. 1,460,819; July 3.
Rail joints, Splice bar for. F. E. Abbott. 1,460,742; July 3.
Railway and like vehicles, Coupler for. F. A. Mackinnon and J. Hampson. 1,460,974; July 3.
Railway-crossing gates, Mechanism for operating. J. Kratochvil. 1,460,912; July 3.
Railway ditcher. J. J. Miller. 1,460,762; July 3.
Railway switch, Automatic. T. M. Prim. 1,460,981; July 3.
Railway tie. O. Yarnell. 1,460,467; July 3.
Reading appliance. R. M. Searle. 1,460,923–4; July 3.
Receptacle for flowers. C. D. Dudley. Des. 62,605; July 3.
Recording apparatus, Pump-controlled. W. T. Collins and C. B. Adams. 1,460,367; July 3.
Recording mechanism, Watchman's. H. S. Hart. 1,460,901–2; July 3.
Reel: *See*—
Fishing reel.
Hose reel.
Refacing tool. R. Bean. 1,460,838; July 3.
Refrigerating machine, Air-. I. Lundgaard. 1,460,677; July 3.
Refuse, Apparatus for the destruction of. R. Balmer 1,460,565; July 3.
Refuse-disposal plant. R. Balmer. 1,460,566; July 3.
Register: *See*—
Coin-bank register.
Pool-table register.
Regulator: *See*—
Draft regulator.
Resilient wheel. A. E. Bauman. 1,460,783; July 3.
Resilient wheel. J. F. Miller. 1,460,494; July 3.
Resilient wheel. E. Schultz. 1,460,446; July 3.
Rheostat. E. G. Danielson. 1,460,408; July 3.
Ring: *See*—
Finger ring.
Spinning ring.
Road maintaining and resurfacing machine. O. B. Walters. 1,460,930; July 30.

Roadways, Contraction joint for. B. Briody. 1,460,841; July 3.
Rod: *See*—
Welding rod.
Rod-testing appliance, Connecting-. A. J. Koon, J. Hoogerhyde, and J. E. Collins. 1,460,548; July 3.
Roll-retaining device. A. W. Christ. 1,460,946; July 3.
Roofing element, Prepared. A. R. Purdy. 1,460,827; July 3.
Rope clamp. J. B. Woodbury and G. C. Soule. 1,460,633; July 3.
Rug-hanging machine. P. J. Shampay. 1,460,448; July 3.
Rule, Folding. F. Buck. 1,460,784; July 3.
Ruler and blotter, Combined. A. Azcona. 1,460,935; July 3.
Ruling machine. W. H. Hope. 1,461,002; July 3.
Sashes in position, Means for securing window. I. Benjamins. 1,460,361; July 3.
Saw machine of the continuous-band type, Hack-. C. Napier. 1,461,004; July 3.
Screen: *See*—
Hood and screen. Well-pipe screen.
Screw jack. A. L. Johnson. 1,460,799; July 3.
Seat: *See*—
Adjustable seat.
Separator: *See*—
Air separator. Grain separator.
Sewing machine. A. H. De Voe. 1,460,891; July 3.
Sewing-machine guide. J. J. Drake. 1,460,812; July 3.
Shafts, Angle gear-housing adapter for flexible. F. G. Whittington. 1,460,524; July 3.
Shafts, Flexible coupling for drive. A. R. Le Moon. 1,460,594; July 3.
Shears holder, Paper-hanger's. G. W. Newberry. 1,460,434; July 3.
Sheet, Communication. H. L. Latz. 1,460,492; July 3.
Sheet-feeding mechanism. C. W. Tremper. 1,460,689; July 3.
Sheet-metal structure, Hollow. C. Dornier. 1,460,372; July 3.
Sheet or card, Record. J. A. Wherry. 1,460,776; July 3.
Shield, Reenforced-tread expansion. J. E. Ogden. 1,460,557; July 3.
Shingle. N. P. Harshberger. 1,460,795; July 3.
Shingles, Packaging. H. Abraham. 1,460,833; July 3.
Ship hulls and like floatable structures, Mold for making. E. A. Larsen. 1,460,676; July 3.
Shock absorber. R. M. Lovejoy. 1,460,723; July 3.
Shock absorber. L. H. Rice. 1,460,443; July 3.
Shock absorber. G. H. Stoner. 1,460,771; July 3.
Shock-absorber connection. R. M. Lovejoy. 1,460,856; July 3.
Shock-absorbing mechanism, Friction. S. B. Haseltine. 1,460,580; July 3.
Shoe liner. C. A. L. Saunders. 1,460,608; July 3.
Shoe-salesman's stool. S. L. Luton. 1,460,915; July 3.
Shoe-tree, Adjustable. J. S. Hansen. 1,460,963; July 3.
Shore, Self-locking. A. A. Gronros. 1,460,375; July 3.
Shuttle-operating mechanism. A. Auletta. 1,460,637; July 3.
Sifter, Furnace-ash-pit screen. J. Jirasek. 1,460,547; July 3.
Signal: *See*—
Automobile signal. Vehicle signal.
Automobile alarm signal.
Sign and its support. W. J. Wark. 1,460,520; July 3.
Sign box. G. B. Hutchings. 1,460,674; July 3.
Sign, Educational. C. A. Fairbanks. 1,460,954; July 3.
Signs, Controlling device for electric. C. A. Fairbanks. 1,460,953; July 3.
Signaling system, Electric. L. H. Darrow. 1,460,368; July 3.
Signboard. B. Durfee. 1,460,951; July 3.
Smoke consumer. F. P. Fischer. 1,460,956; July 3.
Snowplow. W. D. Polk. 1,460,440; July 3.
Soap dissolver and agitator. A. Celler. 1,460,704; July 3.
Solenoid. W. J. O'Leary. 1,460,390; July 3.
Sorting table. G. Pieretti. 1,460,862; July 3.
Spark plug. J. L. Brockney and C. E. George. 1,460,745; July 3.
Spark plug. J. C. Rowan. 1,460,983; July 3.
Speedometers and the like, Transmission drive for. F. G. Whittington. 1,460,523; July 3.
Speedometers, Transmission drive for. F. G. Whittington. 1,460,522; July 3.
Spinning, Cleaning and conditioning cotton for. P. C. Wadsworth. 1,460,519; July 3.
Spinning ring. S. Forbes. 1,460,751; July 3.
Spinning, twisting, doubling, and analogous machines, Plier for. P. Clough. 1,460,887; July 3.
Spoke. L. Dean. 1,460,536; July 3.
Spool, Winding. W. R. Marshall. 1,460,595; July 3.
Spot lamp. C. A. Whitsett. 1,460,777; July 3.
Spot light, Changeable-color. J. M. Dollison and C. E. Smith. 1,460,644; July 3.
Spring: *See*—
Vehicle spring.
Spring structure. H. A. Palmer. 1,460,601; July 3.
Spring wheel. W. E. Crawford. 1,460,889; July 3.
Spring wheel. H. W. Gaines. 1,460,413; July 3.
Spring wheel. E. Ramondo. 1,460,920; July 3.
Springs, Combined shock absorber and oiling attachment for vehicle. J. Peyree. 1,460,498; July 3.
Stand: *See*—
Lamp stand.
Star identification protractor. J. J. McCracken. 1,460,387; July 3.
Station, Liquid-dispensing. P. A. P. V. Mauclère. 1,460,389; July 3.
Steam trap. R. Carlstedt. 1,460,746; July 3.
Sterilizing apparatus, Can-. R. Seggerman. 1,460,514; July 3.
Stocking and making same, Seamless. W. H. Carter. 1,460,477; July 3.
Stoker, Hand. F. C. Stimmel. 1,460,618; July 3.
Stoker, Mechanical. W. R. Wood. 1,460,997; July 3.
Stoker rams, Hydraulic drive for. C. L. Howse. 1,460,586; July 3.
Stone-suspension device. J. E. Malkin. 1,460,388; July 3.
Stove. H. Funke. 1,460,374; July 3.
Stovepipe coupling. X. Junge. 1,460,910; July 3.
Strain clamp. T. H. Barnard. 1,460,567; July 3.
Street indicator. A. Lebreton and E. Talbot. 1,460,854; July 3.
Stump remover. B. J. Steen and W. O. Martin. 1,460,617; July 3.
Sulphur, Apparatus for manufacturing lime. R. Taki. 1,460,621; July 3.
Supporter. F. J. Fulton. 1,460,752; July 3.
Surfacing machine. J. A. Campbell. 1,460,407; July 3.
Swing. J. E. Brown. 1,460,843; July 3.
Switch. A. E. Griswold. 1,460,542; July 3.
Switch. M. J. West. 1,460,629; July 3.
Switch and fuse, Combined electric. J. G. Lundgren. 1,460,914; July 3.
Table: *See*—
Extension table. Sorting table.
Talking-machine motors, Supporting frame for. I. F. Burton. 1,460,406; July 3.
Tan and making same, Synthetic. S. Kohn. 1,460,422; July 3.
Tank: *See*—
Tender tank.
Tank. A. S. Cooper. 1,460,999; July 3.
Target disks and the like, Device for resiliently supporting. A. Michoud. 1,460,860; July 3.
Teat cup. C. Oden and H. R. Moore. 1,460,977; July 3.
Telephone repeater, Voice-current. J. H. Homrighous. 1,460,814; July 3.
Telephone system, Measured-service. T. G. Martin. 1,460,726; July 3.
Telephone systems, Switching apparatus for. D. L. Lienzén and K. Larsson. 1,460,913; July 3.
Temperature-indicating device. G. Joannes. 1,460,909; July 3.
Tender tank. C. Ducas. 1,460,710; July 3.
Textile fabric. J. S. and T. F. Boyd. Des. 62,600–2; July 3.
Textile fabric. E. Ericson and R. Weiss. Des. 62,606; July 3.
Textile fabric. G. M. Fauser. Des. 62,607–10; July 3.
Textile fabric. J. W. McCreedy. Des. 62,617–19; July 3.
Thermostat. W. A. Lacke. 1,460,853; July 3.
Threading tool for automatic machines. H. T. White. 1,460,740; July 3.
Tie: *See*—
Railway tie.
Tilting trap. H. C. Ellis. 1,460,411; July 3.
Timer. J. C. Osborn. 1,460,823; July 3.
Timing apparatus. C. M. Crook. 1,460,707; July 3.
Timing mechanism. O. Z. Brewer. 1,460,405; July 3.
Tins, Loose cover and cutter for hermetically-sealed. H. Hermani. 1,460,845; July 3.
Tire. E. A. Johnson. 1,460,588; July 3.
Tire. W. N. Roach and C. E. Shurtliffe. Des. 62,620; July 3.
Tire casing, Reenforced pneumatic-. H. Nicholson. 1,460,599; July 3.
Tire-chain mounting device. J. Schneider. 1,460,506; July 3.
Tire clamp. R. F. Lace. 1,460,385; July 3.
Tire protector, Pneumatic-. C. W. Bain. 1,460,781; July 3.
Tire structure. W. A. Walsh. 1,460,775; July 3.
Tire wheel, Pneumatic-. P. J. Griffin. 1,460,753; July 3.
Tires, Antislipping attachment for vehicle. R. R. Kintz. 1,460,657; July 3.
Tires, Compression inner tube for. G. R. Colby. 1,460,533; July 3.
Tires, Valve stem for pneumatic. A. B. Shaw. 1,460,804; July 3.
Tongs, Box. B. Phelps. 1,460,730; July 3.
Tooth, Artificial. J. L. Williams. 1,460,691; July 3.
Toothbrush holder. W. W. Welpley. 1,460,995; July 3.
Tools, Insulated handle for. C. P. L. Huston. 1,460,654; July 3.
Torch, Combination cutting and welding. A. F. Jenkins. 1,460,655; July 3.
Torpedoes, Air-leak vent for. W. Dieter. 1,460,370; July 3.
Toy. H. P. Braisted. Des. 62,603; July 3.
Toy, Figure wheeled. E. Starbuck. 1,460,616; July 3.
Toy pistol. J. Popper. 1,460,441; July 3.
Tractor clutch control. C. D. Metzger. 1,460,598; July 3.

Tractor hitch. F. M. Fischer. 1,460,578; July 3.
Tractors, Grading and scarifying device for. C. W. Howe and J. L. Garver. 1,460,585; July 3.
Trailer coupling. H. F. Biggam. 1,460,839; July 3.
Train control, Automatic. P. J. Simmen. 1,460,449; July 3.
Train-pipe connector. H. F. Bickel. 1,460,364; July 3.
Transportation system, Monorail. F. R. Cornwall. 1,460,534; July 3.
Trap: *See*—
Steam trap. Tilting trap.
Trap. M. L. Martin. 1,460,596; July 3.
Trees, flowerpots, etc., Stand or holder for Christmas M. Mayer. 1,460,859; July 3.
Tube casing. J. H. Grube. 1,460,794; July 3.
Tubes, Making inner. E. L. Fuller. 1,461,000; July 3.
Tubing spider. C. H. Benckenstein. 1,460,401–2; July 3.
Tubular frame. C. S. Tilden. 1,460,928; July 3.
2-oxy-1-aryl naphthylamines, Manufacture of. A. Wahl and R. Lants. 1,460,774; July 3.
Typesetting machines, Gas governor for. H. W. Partlow. 1,460,980; July 3.
Typewriter attachment. H. C. Stevens. 1,460,770; July 3.
Typewriter, Power. M. C. Crawley. Re15,640; July 3.
Typewriting machine. E. B. Hess. 1,460,846–9; July 3.
Umbrella. T. J. Morris. 1,460,821; July 3.
Underwear. R. E. Garrett. 1,460,959; July 3.
Upholstery. F. H. Bancroft. 1,460,399; July 3.
Vacuum cup. R. S. Thompson and C. F. Doscher. 1,460,927; July 3.
Valve. G. H. Isley. 1,460,587; July 3.
Valve-actuating means. F. A. Saunders. 1,460,922; July 3.
Valve, Automatic. S. R. Amdursky. 1,461,010; July 3.
Valve, Automatic pressure. J. G. Harris and G. D. Jaquett. 1,460,900; July 3.
Valve, Combined hot and cold water. L. B. Yeiser and F. C. Lehmann. 1,460,931; July 3.
Valve, Compressor. F. W. Parsons. 1,460,824; July 3.
Valve, Flushing. W. S. White. 1,460,996; July 3.
Valve, Flush-tank. S. Kneppel. 1,460,968; July 3.
Valve mechanism for glass machines. A. R. Bethel. 1,460,363; July 3.
Valve, Safety locomotive-cab. P. Wertz. 1,460,628; July 3.
Valves, Locking device for motor. L. F. Easton. 1,460,538; July 3.
Vanity box. B. P. Hyde. 1,460,906; July 3.
Vanity box. R. W. Wilson. 1,460,509; July 3.
Vanity case. W. H. Denney. 1,460,950; July 3.
Vanity case. W. G. Kendall. 1,460,967; July 3.
Vaporizer, Kerosene. W. H. Hill. 1,460,583; July 3.
Vault, Burial. M. Dochnal. 1,460,409; July 3.
Vehicle, Dumping. A. B. Cadman. 1,460,810; July 3.
Vehicle instruments, Transmission drive for motor. F. G. Whittington. 1,460,521; July 3.
Vehicle signal. G. F. Warner. 1,460,626; July 3.
Vehicle spring. W. E. Stanford. 1,460,987; July 3.
Vehicles, Body for children's. D. A. Cameron. 1,460,944; July 3.
Vehicles, Double-reduction drive for motor. H. D. Clarke. 1,460,532; July 3.
Vehicles, Track belt for motor. A. Kégresse. 1,460,636; July 3.
Vending machine. D. Allen. 1,460,879; July 3.
Vending machine. W. Betts. 1,460,882; July 3.
Vending machine, Coin-controlled. A. Coseglia. 1,460,574; July 3.
Vending machines, Means for heating the contents of. C. L. Paine. 1,460,979; July 3.
Vest. P. E. Helm. 1,460,416; July 3.
Wall, Collapsible. H. W. Maurer. 1,460,597; July 3.
Watch casing, Wrist-. G. Bastheim. Des. 62,598; July 3.
Watch charm, pendant, or similar article. F. R. Wentworth. Des. 62,628; July 3.
Water meter. B. A. Arnaud. 1,460,880; July 3.
Water-service system, Domestic. C. E. Records. 1,460,982; July 3.
Water-supply system for dwellings and the like. C. A. Sill. 1,460,613; July 3.
Wavemeter. P. J. Armagnat. 1,460,636; July 3.
Wave turner. F. H. Bullis. 1,460,844; July 3.
Welding compound. J. R. Campbell and J. L. Reynolds. 1,460,476; July 3.
Welding rod. J. H. Critchett. 1,460,790; July 3.
Well casings, Jar coupling for oil-. J. G. Burch. 1,460,787; July 3.
Well elevator. H. M. Harris. 1,460,652; July 3.
Well-pipe screen. S. H. St. John. 1,460,735; July 3
Wells, Drilling. F. J. Carman. 1,460,788; July 3.
Wheat, Purifying garlicky. J. E. Gaskill. 1,460,648; July 3.
Wheel: *See*—
Cushion wheel. Spring wheel.
Resilient wheel. Tire wheel.
Wheels and the like, Carrier for spare. F. K. Lawrence. 1,460,592; July 3.
Wheels, Antislipping attachment for vehicle. C. Moss. 1,460,822; July 3.
Wheels, Mounting and driving of gear. F. H. Royce. 1,460,768; July 3.
Wicks, Machine for treating. F. W. Fischer. 1,460,955; July 3.
Window protector. L. W. Duncan. 1,460,645; July 3.
Windshields, Adjustable wing for. F. L. Miller. 1,460,861; July 3.
Wire-drawing machine, Continuous. J. A. Horton. 1,460,379; July 3.
Wireless detector. W. H. Ruf. 1,460,734; July 3.
Wire stitcher. J. Wolf and M. Burger. 1,460,526; July 3.
Wire stretching and tying machine. A. J. Gerrard. 1,460,649; July 3.
Woodcutting machine. A. White. 1,460,874; July 3.
Woodworking machinery. E. G. Ashley. 1,460,780; July 3.
Work support. W. V. Neal. 1,460,433; July 3.
Work supports, Actuating mechanism for. J. M. Benjamin. 1,460,362; July 3.
Wrench. A. Bangert and F. May. 1,460,837; July 3.
Wringers, Pressure regulating and releasing apparatus for. A. W. Krahn. 1,460,423; July 3.
Zirconium oxide, Recovering. M. N. Rich. 1,460,766; July 3.

CLASSIFICATION OF PATENTS

ISSUED JULY 3, 1923.

NOTE.—First number=class, second number=subclass, third number=patent number.

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125: 1,460,478
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12: 1,460,466
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ALPHABETICAL LIST OF REGISTRANTS OF TRADE-MARKS.

A/S Ferrosan, Copenhagen, Denmark. Neutral constant iron preparation for use as blood generation, etc. 170,074; July 10; Serial No. 166,216; published Mar. 20, 1923.

Abraham & Straus, Inc., New York, N. Y. Lotions for external application to the body. 170,009; July 10; Serial No. 172,813; published Apr. 3, 1923.

Ad-Packed Hair Net Co., Inc., New York, N. Y. Hair nets. 170,175–4; July 10; Serial Nos. 176,242–3; published Apr. 10, 1923.

Ad-Packed Hair Net Co., Inc., New York, N. Y. Hair nets. 170,176–7; July 10; Serial Nos. 176,240–1; published Apr. 10, 1923.

Advance Candy M'f'g Corp., New York, N. Y. Chocolate candy. 170,124; July 10; Serial No. 164,356; published Apr. 3, 1923.

Albany Perforated Wrapping Paper Co., Albany, N. Y. Toilet paper and paper towels. 170,308; July 10; Serial No. 176,437; published Apr. 10, 1923.

Allen Gravel Company, Memphis, Tenn. Paving gravel. 170,112; July 10; Serial 159,676; published Apr. 3, 1923.

American Bottle Cap Co., Seattle, Wash. Bottle caps. 169,996; July 10; Serial No. 151,777; published Apr. 3, 1923.

American Chemical Paint Company, Philadelphia, Pa. Preparation of acid reaction for preventing rust. 170,006; July 10; Serial No. 156,955; published Apr. 3, 1923.

American Cotton Oil Company, New York, N. Y. Cottonseed oils for mechanical and food purposes; 23,776; renewed Oct. 31, 1923.

American Crayon Company, The, Sandusky, Ohio. Crayons, chalks, and pencils. 170,248; July 10; Serial No. 171,440; published Apr. 3, 1923.

American Display Company, The, Dayton, Ohio. Toy electric railway. 169,961; July 10; Serial No. 174,718; published Apr. 10, 1923.

American Oil Company, The, Baltimore, Md. Crank-case flushing oil. 170,245; July 10; Serial No. 171,719; published Apr. 3, 1923.

American Pickle & Canning Co. Hattiesburg, Miss. Canned vegetables and sweet mixed pickles. 169,976; July 10; Serial No. 166,622; published Apr. 10, 1923.

American Platinum Works, Newark, N. J. Gold, platinum, palladium, and silver metals, and solder and rolled sheets and plates. 170,197; July 10; Serial No. 173,392; published Apr. 3, 1923.

American Steel and Wire Company of New Jersey, The, Cleveland Ohio; Chicago, Ill.; Pittsburgh Pa.; New York, N. Y.; and Worcester, Mass. Nails. 170,153; July 10; Serial No. 168,594; published Apr. 3, 1923.

American Thread Company, The, Jersey City, N. J., and New York, N. Y. Spool and sewing cotton, cotton thread, cotton yarn, knitting cotton, etc. 170,056; July 10; Serial No. 175,910; published Apr. 10, 1923.

Ames Shovel & Tool Company, Jersey City, N. J., and Boston, Mass. Shovels, spades, and scoops. 170,042; July 10; Serial No. 174,986; published Apr. 17, 1923.

Anaconda Copper Mining Company, New York, N. Y. Cast, drawn, rolled, extruded, pressed, and machined nonferrous metals and alloys and ingots, castings, sheets, etc. 170,147; July 10; Serial No. 164,291; published Apr. 3, 1923.

Ansco Company, Binghamton, N. Y. Combination camera and film kits. 170,162; July 10; Serial No. 169,798; published Apr. 3, 1923.

Armstrong Cork Company, Pittsburgh and Lancaster, Pa. Rubber heels. 170,115; July 10; Serial No. 159,828; published Apr. 3, 1923.

Art Label Company, The. (See Lasher, Charles W., jr.)

Arundel Clarence E., San Francisco, Calif. Navigational appliances. 170,361; July 10.

Asbestos and Allied Products Co., New York, N. Y. Asbestos brake lining and clutch-disk facing. 170,227; July 10; Serial No. 174,813; published Apr. 3, 1923.

Asthma-Tol Co., The, Greer, S. C. Asthma medicine. 169,900; July 10; Serial No. 137,598; published Dec. 26, 1922.

Auld, Ima, Dinuba, Calif. Face lotions. 170,196; July 10; Serial No. 173,393; published Apr. 3, 1923.

Ault & Wiborg Co., The, Cincinnati, Ohio. Dry color for use in rubber manufacturing; 170,079; July 10; Serial No. 167,285; published Apr. 3, 1923.

Averill, Georgene, New York, N. Y. Dolls and doll outfits. 169,969; July 10; Serial No. 164,144; published Apr. 10, 1923.

Baechtold, Herman, doing business as Rochelle Lace Works, New York, N. Y. Imported woven fabrics. 170,234; July 10; Serial No. 174,032; published Apr. 3, 1923.

Baker-Perkins Manufacturing Corporation, Saginaw, Mich. Dough and bun dividers, bread proofers, panning machines, mixers, etc. 170,237; July 10; Serial No. 174,228; published Apr. 10, 1923.

Baltimore Optical Company, Baltimore, Md. Lenses and frames for eyeglasses and spectacles. 170,007; July 10; Serial No. 172,929; published Apr. 3, 1923.

Barnard Manufacturing Company, Superior, Nebr. Toothache medicine. 170,195; July 10; Serial No. 173,394; published Apr. 3, 1923.

Barrett Company, The, New York, N. Y. Insulating paper. 170,260; July 10; Serial No. 173,345; published Apr. 3, 1923.

Beaton & Cadwell Manufacturing Company, The, New Britain, Conn. Mops and mopsticks. 170,052; July 10; Serial No. 175,760; published Apr. 17, 1923.

Beck, Wm. & Chas., Inc. Lawrence, Mass. Cotton fire hose. 170,311; July 10; Serial No. 175,124; published Apr. 3, 1923.

Behrendt, Jacob W., San Francisco, Calif. Solution for the treatment of inflamed, tender, or bleeding gums, pyorrhea, etc. 170,188; July 10; Serial No. 178,554; published Apr. 3, 1923.

Benton Holladay & Co., New York, N. Y. Oil leather dye. 170,061; July 10; Serial No. 172,195; published Apr. 3, 1923.

Bernhard Ulmann Co. Inc., New York, N. Y. Yarns for knitting, crocheting, and art needlework. 170,170; July 10; Serial No. 176,382; published Apr. 10, 1923.

Bernhard Ulmann Co. Inc., New York, N. Y. Yarns for knitting, crocheting, and art needlework. 170,171; July 10; Serial No. 176,379; published Apr. 10, 1923.

Bernhard Ulmann Co. Inc., New York, N. Y. Yarns for knitting, crocheting, and art needlework. 170,172; July 10; Serial No. 176,375; published Apr. 10, 1923.

Besaw, Willie O., Reedley, Calif. Fuse plugs. 169,985; July 10; Serial No. 167,929; published Apr. 3, 1923.

Biggar, W. M., & Co., New York, N. Y. Worsted piece goods. 170,236; July 10; Serial No. 174,165; published Apr. 3, 1923.

Billhuber, E., Inc., New York, N. Y. Medicinal preparation for treatment of asthma, etc. 170,032; July 10; Serial No. 173,695; published Apr. 10, 1923.

Bio-Chemic Laboratory. (See Jensen, Dr. Walter D.)

Birnie Paper Company, Springfield, Mass. Writing and printing paper, mailing envelopes, and papeteries. 170,286–7; July 10; Serial Nos. 176,876–7; published Apr. 10, 1923.

Bizzoni, Humbert, New York, N. Y. Wrinkle remover, depilatory, deodorant, etc. 170,059; July 10; Serial No. 172,412; published Mar. 27, 1923.

Blair, J. C., Company, Huntingdon, Pa. Paper, envelopes, tablets, blank books, papeteries. 170,323; July 10; Serial No. 175,706; published Apr. 3, 1923.

Blazeont Company, The. (See Marstin, Clayton R.)

Bob & Baskind, New York, N. Y. Men's and boys' shirts, underwear, play suits, boys' waists and blouses. 170,334; July 10.

Brendbley, Emma M., New Malden, England. Cigarette paper. 170,307; July 10; Serial No. 176,445; published Apr. 10, 1923.

Brooks, Max L., Brooklyn, N. Y. Games and game apparatus. 170,256; July 10; Serial No. 170,967; published Apr. 3, 1923.

Brun Mfg. Co., Philadelphia, Pa. Laundry wax. 170,085; July 10; Serial No. 168,201; published Apr. 3, 1923.

Brunner, Lamar F., doing business as Utility Fittings Company, Philadelphia, Pa. Electric-conduit fittings. 170,128; July 10; Serial No. 156,344; published Apr. 3, 1923.

Bryant, Frank H., doing business as Poe Chemical Company, Troy, N. Y. Preparation for internal and external use for the alleviation of pain, etc. 170,262; July 10; Serial No. 170,423; published Apr. 3, 1923.

Burhop, Fred D., doing business as Mell-O Packing Company, Yonkers, N. Y. Aging and softening chemical powder for liquors. 170,251; July 10; Serial No. 171,196; published Apr. 3, 1923.

Burnham, Stoepel & Company, Detroit, Mich. Gowns and pyjamas. 170,338; July 10.

Burton, J. H., & Sons Co. Inc., New York, N. Y. Lumber. 170,194; July 10; Serial No. 173,400; published Apr. 3, 1923.

Butterfield, Fred, & Co. Inc., New York, N. Y. Textile fabric in the piece. 170,339; July 10.

Capdau, Hippolyte E., New Orleans, La. Salve for the treatment of catarrh, sore throat, croup, etc. 170,165; July 10; Serial No. 169,888; published Apr. 3, 1923.

Carbide & Carbon Chemicals Corporation, New York, N. Y. Lubricants particularly intended for use in refrigerating machines. 170,324; July 10; Serial No. 175,710; published Apr. 3, 1923.

Caron Corporation. (See Daltroff, E., & Cie., assignor.)

Catholic Students' Mission Crusade, Cincinnati, Ohio. Magazine published quarterly. 170,109; July 10; Serial No. 158,224; published June 13, 1922.

Chapin & Gould Paper Company, Springfield, Mass. Writing and printing paper and mailing envelopes. 170,288; July 10; Serial No. 176,114; published Apr. 10, 1923.

Chaplin Classics Inc., New York, N. Y. Motion pictures. 170,203; July 10; Serial No. 173,072; published Apr. 3, 1923.

Charm-U Co., The, Chattanooga, Tenn. Vanishing cream and cleansing or cold cream. 169,983; July 10; Serial No. 167,838; published Apr. 10, 1923.

Chertoff, N., Inc., doing business as U. S. Sewing Thread Co., New York, N. Y. Thread and yarn. 170,132; June 10; Serial No. 159,140; published Apr. 3, 1923.

Chicago Malt Extract Co., Chicago, Ill. Malt extract for food purposes. 170,102; July 10; Serial No. 168,754; published Apr. 10, 1923.

Claresa Chemical Works. (See Smith, J. Elmer.)

Clark Patent Tubing Co., Wheeling, W. Va. Paper tubes to be used with explosive powder in blasting. 170,043; July 10; Serial No. 173,069; published Apr. 10, 1923.

Clifford, Charles T. H., doing business as Promo Products Co., Oakland, Calif. Carbon remover. 170,144; July 10; Serial No. 163,533; published Apr. 10, 1923.

Cloyes, Harold G., Boston, Mass. Recoil checkers. 170,106; July 10; Serial No. 168,102; published Apr. 10, 1923.

Clymer, Floyd Manufacturing Company, The, Denver, Colo. Electric-lamp spotlights. 170,340; July 10.

Code, George, Boston, Mass. Tonic to assist the digestion of food in the stomach. 170,011; July 10; Serial No. 172,663; published Apr. 3, 1923.

Cohn Hall Marx Co., New York, N. Y. Cotton piece goods. 169,956; July 10; Serial No. 174,655; published Apr. 10, 1923.

Colby Steel and Engineering Co., Seattle, Wash. Industrial trucks and trailers. 169,994; July 10; Serial No. 142,775; published Apr. 3, 1923.

Collins Company, The, Collinsville, Conn. Pickaxes, crowbars, wrenches, tarcados, mattocks, etc. 170,241; July 10; Serial No. 174,559; published Apr. 3, 1923.

Columbian Rope Company, Auburn, N. Y. Rope. 170,136; July 10; Serial No. 161,619; published Apr. 10, 1923.

Commercial Paste Co., The, Columbus, Ohio. Adhesive in the form of paste. 170,299; July 10; Serial No. 176,788; published Apr. 10, 1923.

Conley, Frederick T., doing business as Symbolox Box Co., South Boston, Mass. Toothbrush containers. 170,295; July 10; Serial No. 175,771; published Apr. 17, 1923.

Corby Baking Company, The, Washington, D. C. Bread. 169,987; July 10; Serial No. 94,532; published Apr. 3, 1923.

Covington, John W., Chicago, Ill. Tooth paste. 170,035; July 10; Serial No. 173,811; published Apr. 10, 1923.

Cradock, George, & Co., assignor to George Cradock & Co. Ltd., Wakefield, England. Wire rope and chain. 23,103; renewed May 23, 1923.

Cramer, C. N., Co., Ashland, Wis. Brooms. 169,964; July 10; Serial No. 174,891; published Apr. 17, 1923.

Crescent Creole Candy Co. Inc., New Orleans, La. Candy. 169,988; July 10; Serial No. 130,160; published Mar. 6, 1923.

Crumley, C. V., doing business as Tubetite Manufacturing Company, Tacoma, Wash. Compound for preventing punctures in pneumatic tires. 170,301; July 10; Serial No. 176,606; published Apr. 10, 1923.

Cupples Company Manufacturers, St. Louis, Mo. Rubber jar rings. 170,129; July 10; Serial No. 158,380; published May 30, 1922.

Curtiss, Lloyd, assignor to Service Sales Agency, Newark, N. J. Crystallized sweet pickles in bottles. 170,071; July 10; Serial No. 165,913; published Mar. 27, 1923.

Daltroff, E., & Cie., doing business as Parfumerie Caron, Paris, France, assignor to Caron Corporation. Perfume, toilet water, rouges, face and talcum powders, etc. 170,278; July 10; Serial No. 173,916; published Apr. 10, 1923.

Daugherty & Jackson, Seymour, Tex. Pyorrhea remedy. 170,012; July 10; Serial No. 172,666; published Apr. 3, 1923.

Deford, Paul F., Pasadena, Calif. Capsules for relief of bladder complaints, spasmodic asthma, heart pains, etc. 169,984; July 10; Serial No. 167,914; published Apr. 10, 1923.

De Laney, Paul, Co. Inc., The, Brocton, N. Y. Grape juice and apple juice. 170,294; July 10; Serial No. 175,772; published Apr. 17, 1923.

Del Sordo, Harry E., Newark, N. J. Dandruff remover. 170,025; July 10; Serial No. 173,593; published Apr. 10, 1923.

Demartini, L., Supply Company, San Francisco, Calif. Bottled and canned liquid compound of Mexican vanilla beans, vanillin, and coumarin uncolored. 169,993; July 10; Serial No. 141,417; published Nov. 29, 1922.

Demetrullas, Angelo, Johnston City, Ill. Beverage sold as a soft drink. 170,334; July 10.

Derryvale Linen Co., Inc., New York, N. Y. Linen and cotton piece goods, towels, handkerchiefs, napkins, etc. 170,250; July 10; Serial No. 171,263; published Mar. 6, 1923.

Deutsche Elektrizitäts-Werke zu Aachen-Gerbe, Lahmeyer & Co.-Aktiengesellschaft, Aachen, Germany. Dynamos, electromotors and parts thereof, electrical apparatus. 170,141; July 10; Serial No. 162,985; published Apr. 3, 1923.

Diamond, Patrick, Philadelphia, Pa. Washing blue. 21,903; renewed Nov. 1, 1922.

Diekemper, Ray J., Terre Haute, Ind. Horse-radish. 170,281; July 10; Serial No. 172,867; published Apr. 17, 1923.

Dinhofer Bros. Inc., New York, N. Y. Bar pins, belt buckles, bracelets, brooches, neck chains, etc. 170,037; July 10; Serial No. 173,918; published Apr. 3, 1923.

Dinhofer Bros. Inc., New York, N. Y. Platinum in bars, sheets, rolls, etc., and platinum solder. 170,232; Serial No. 173,919; July 10; published Apr. 3, 1923.

Disc Alley Manufacturing Company, Atlanta, Ga. Parlor board game. 170,067; July 10; Serial No. 165,010; published Apr. 3, 1923.

Doehler, Die-Casting Co., Brooklyn, N. J. Die-casting metal and die castings. 170,242; July 10; Serial No. 174,562; published Apr. 3, 1923.

Donahue, Henry M., doing business as Hoyt Apothecaries Co., San Francisco, Calif. Mouth wash. 170,064; July 10; Serial No. 171,908; published Apr. 3, 1923.

Douglas, Richard, doing business as The R. E. D. Mfg. Co., Brooklyn, N. Y. Polishing oils for painted, varnished, and lacquered surfaces. 169,947; July 10; Serial No. 174,429; published Apr. 10, 1923.

Duncan Chemical Company, Albany, Ala. Medicines and insecticides. 170,151; July 10; Serial No. 168,518; published Apr. 3, 1923.

Duplan Silk Corporation, New York, N. Y. Silk piece goods. 170,315; July 10; Serial No. 175,473; published Apr. 3, 1923.

Eberle, Francis X., Los Angeles, Calif. Containers made of wood or metal for merchandise. 170,201; July 10; Serial No. 172,936; published Apr. 3, 1923.

Eisendrath, Joseph N., Company, The, Chicago, Ill. Leather gloves, gauntlets, and mittens. 170,020; July 10; Serial No. 173,475; published Apr. 10, 1923.

Ely & Walker Dry Goods Company, St. Louis, Mo. Cotton piece goods. 170,310; July 10; Serial No. 176,017; published Apr. 10, 1923.

Englert Manufacturing Co., Pittsburgh, Pa. Electric batteries. 170,218; July 10; Serial No. 152,609; published Apr. 3, 1923.

Enterprise Paint Mfg. Co., Chicago, Ill. Ready-mixed and paste paints, varnishes, and paint enamels. 170,267; July 10; Serial No. 174,829; published Apr. 17, 1923.

Enterprise Paint Mfg. Co., Chicago, Ill. Paints, varnishes, and paint enamels. 170,268; July 10; Serial No. 174,827; published Apr. 17, 1923.

Estall Company. (See Ginlayson, Estelle B.)

Eustathopoulo, Nap., & Fils, New York, N. Y. Cotton goods in the piece. 170,072; July 10; Serial No. 165,990; published Apr. 3, 1923.

Ewald, Cora, Brooklyn, N. Y. Toy dolls. 169,949; July 10; Serial No. 174,515; published Apr. 10, 1923.

Excello Shirt Co. Inc., New York, N. Y. Men's and boys' dress and negligee shirts. 170,068; July 10; Serial No. 165,363; published Jan. 30, 1923.

Excello Shirt Co., Inc., New York, N. Y. Dress and negligee shirts, collars, pyjamas, night wear, and men's textile underwear. 170,125; July 10; Serial No. 164,699; published Mar. 20, 1923.

Fahnestock Electric Co., Long Island City, N. Y. Spring binding posts, telephone test connectors, ignition switches, etc. 170,345; July 10.

Fair, The, Chicago, Ill. Laundry washing machines. 169,951; July 10; Serial No. 174,614; published Apr. 3, 1923.

Farbenfabriken vorm. Friedr. Bayer & Co., Leverkusen, near Cologne-on-the-Rhine, Germany. Compositions for exterminating moths. 170,038; July 10; Serial No. 173,925; published Apr. 10, 1923.

Farbenfabriken vorm. Friedr. Bayer & Co., Leverkusen, near Cologne-on-the-Rhine, Germany. Vulcanization accelerators. 170,039; July 10; Serial No. 173,926; published Apr. 10, 1923.

Farbenfabriken vorm. Friedr. Bayer & Co., Leverkusen, near Cologne-on-the Rhine, Germany. Antineuralgics. 170,274; July 10; Serial No. 173,923; published Apr. 10, 1923.

Farbenfabriken vorm. Friedr. Bayer & Co., Leverkusen, near Cologne-on-the-Rhine, Germany. Hæmostatics. 170,275; July 10; Serial No. 173,922; published Apr. 10, 1923.

Farbenfabriken vorm. Friedr. Bayer & Co., Leverkusen, near Cologne-on-the-Rhine, Germany. Parasiticides. 170,276–7; July 10; Serial Nos. 173,920–1; published Apr. 10, 1923.

Fernandez, Cirilo, Milwaukee, Wis. Cigars, cheroots, and cigarettes. 170,240; July 10; Serial No. 174,432; published Apr. 3, 1923.

Fidelity Pencil Company. (See Hobbs, H. C.)

Fiebrich-Fox-Hilker Shoe Company, Racine, Wis. Shoes made wholly or in part of leather. 170,021; July 10; Serial No. 173,480; published Apr. 3, 1923.

Fiebrich-Fox-Hilker Shoe Company, Racine, Wis. Shoes made wholly or in part of leather. 170,023; July 10; Serial No. 173,481; published Apr. 3, 1923.

Finlayson, Estelle B., doing business as Estall Company, New York, N. Y. Antiseptic lotion for the treatment of the scalp and skin. 170,008; July 10; Serial No. 172,830; published Apr. 3, 1923.

Finstick, Lawrence A., doing business as Hi-Way Laboratories, Laporte, Ind. Self-vulcanizing tire patch. 170,094; July 10; Serial No. 169,582; published Apr. 3, 1923.

Fisher Body Corporation, Detroit, Mich. Automobile bodies. 170,152; July 10; Serial No. 168,464; published Apr. 3, 1923.

Fitzer, Henry C., Logansport, Ind. Medicine for treating high blood pressure, rheumatism, and neuritis. 170,253; July 10; Serial No. 171,160; published Mar. 27, 1923.

Fleckenstein, C. G., Company, Muskegon Heights, Mich. Leather. 169,974; July 10; Serial No. 166,362; published Apr. 10, 1923.

Food Products Co., San Francisco, Calif. Canned figs. 170,280; July 10; Serial No. 172,873; published Apr. 17, 1923.

Forstmann & Huffmann Company, Passaic, N. J. Woolen piece goods. 170,316; July 10; Serial No. 175,482; published Apr. 3, 1923.

Forst Products Co., Inc., New Orleans, La. Beverage sold as a soft drink and flavoring sirups, etc., used in preparation of the same. 170,289; July 10; Serial No. 176,172; published Apr. 17, 1923.

Four Way Company. (See Munger, Louis de F.)

Fownes Brothers & Co., London, England, assignor to Fownes Brothers & Co. Inc., New York, N. Y. Gloves. 23,017; renewed May 16, 1923.

Freezerator Co., The, Detroit, Mich. Artificial refrigerating apparatus for household use. 170,119; July 10; Serial No. 163,512; published Apr. 3, 1923.

Freiberger, Moritz, Charlottenburg, near Berlin, Germany. Heterocylic compounds. 170,086; July 10; Serial No. 168,258; published Apr. 3, 1923.

G. C. A. Manufacturing Company, The, Pittsfield, Mass. Apparatus for installing and removing electric-light bulbs, lamp sockets, etc. 170,243; July 10; Serial No. 174,570; published Apr. 3, 1923.

Gallagher, Owen V., doing business as Mentho Relief Company, Denver, Colo. Salve. 170,075; July 10; Serial No. 166,227; published Mar. 27, 1923.

Gasaway, Albert A., doing business as A. A. Gasaway & Son, St. Joseph, Mo. Salves, washes, and ointments used in treatment of piles and eczema. 170,167; July 10; Serial No. 170,062; published Mar. 20, 1923.

Gellman Wrench Corporation, The, Chicago, Ill. Wrenches. 170,266; July 10; Serial No. 174,896; published Apr. 17, 1923.

Get-Gas Service Stations, Inc., Springfield, Ill. Gasoline, kerosene, naphtha, etc. 170,130; July 10; Serial No. 158,391; published Apr. 10, 1923.

Gilmore Petroleum Company, Los Angeles, Calif. Volatile compound derived from petroleum. 169,975; July 10; Serial No. 166,557; published Apr. 10, 1923.

Gimbel Brothers, Incorporated, Philadelphia, Pa. Men's hats. 169,979; July 10; Serial No. 166,944; published Apr. 10, 1923.

Gintone Laboratories. (See Schneider, Emil D.)

Glass, Henry, & Co., New York, N. Y. Ginghams in the piece. 170,230; July 10; Serial No. 173,820; published Apr. 3, 1923.

Glemby's, S., Sons Co., Inc., New York, N. Y. Snap fasteners. 170,355; July 10.

Globe Import Co. (See Richter, Julius.)

Globe Shoe Company, Chelsea, Mass. Women's boots and shoes. 170,166; July 10; Serial No. 169,900; published Apr. 3, 1923.

Globe Wire Co., Sharpsburg, Pa. Steel rods. 170,228; July 10; Serial No. 174,772; published Apr. 3, 1923.

Goodall Worsted Co., Sanford, Me., and New York, N. Y. Men's and boys' coats, vests, pants, and knickerbockers. 170,138; July 10; Serial No. 162,546; published Apr. 10, 1923.

Grace, W. R., & Co., New York, N. Y., and San Francisco, Calif. Textile fabrics consisting of cotton piece goods. 170,229; July 10; Serial No. 174,898; published Apr. 3, 1923.

Grant, William M., & Son., Johnstown, N. Y. Ladies' silk underwear, sport hats, hosiery, etc. 170,123; July 10; Serial No. 164,104; published Oct. 10, 1922.

Greenfield's, E., Sons, New York and Brooklyn, N. Y. Chocolates and candies. 170,088–9; July 10; Serial Nos. 170,383–4; published Apr. 10, 1923.

Gross, Wm. H., Chemical Company, San Antonio, Tex. Chemicals, medicines, and pharmaceutical preparations. 170,097; July 10; Serial No. 169,295; published Apr. 10, 1923.

Gump, B. F., Co., Chicago, Ill. Milling machinery, bolting reels, feed screens, etc. 170,208; July 10; Serial No. 124,986; published Apr. 17, 1923.

Hager, Clark & Co., New York, N. Y. Woolen piece goods. 170,233; July 10; Serial No. 174,007; published Apr. 3, 1923.

Happy Thought Remedy Co., Kansas City, Mo. Internal treatment for piles. 170,026; July 10; Serial No. 173,596; published Apr. 10, 1923.

Hatfield, Asa A., doing business as Med-A-Dent Dental Specialties Company, Danville, Ky. Tooth paste and cleanser and a preparation for the treatment of pyorrhea. 170,083; July 10; Serial No. 167,676; published Apr. 3, 1923.

Hawkes-Jackson Company, New York, N. Y. Stationers' supplies. 170,352; July 10.

Hechtman, Chas., Osseo, Minn. Potatoes. 170,092; July 10; Serial No. 169,902; published Apr. 10, 1923.

Henry Wiggin & Company Limited, Parade, Birmingham, England. Nickel-copper alloys. 170,283; July 10; Serial No. 172,708; published Apr. 17, 1923.

Henshel Co. Inc., The, New York, N. Y. Artificial pearls. 170,027; July 10; Serial No. 173,597; published Apr. 3, 1923.

Hicks, W. Wesley, San Francisco, Calif. Electric water heaters, electric air heaters, radiant floor and wall heaters, etc. 169,966; July 10; Serial No. 174,962; published Apr. 3, 1923.

Hlertz, Theodore, & Son; Theodore Hlertz Metal Co., successor, St. Louis, Mo. Babbitt metal and antifriction journal bearings. 22,658; renewed Mar. 14, 1923.

Hlimmer Brothers Co. Inc., The, Baltimore, Md. Waxed paper. 170,297; July 10; Serial No. 175,394; published Apr. 10, 1923.

Hlinckley Manufacturing Co., Providence, R. I. Buttons, shoe ornaments, badges, and emblems. 170,070; July 10; Serial No. 165,552; published Apr. 3, 1923.

Hlinkson, Andrew H., doing business as Shults Ointment Company, Chester, Pa. Ointments used for swellings, sores, bruises, burns, etc., and liniments. 170,014; July 10; Serial No. 172,593; published Apr. 3, 1923.

Hipp. Didisheim Company, Inc., New York, N. Y. Watches, watch movements, and parts of the same. 169,952; July 10; Serial No. 174,618; published Apr. 3, 1923.

Hipp. Didisheim Company, Inc., New York, N. Y. Watches, watch movements, and parts of the same. 169,953; July 10; Serial No. 174,620; published Apr. 3, 1923.

Hipp. Didisheim Company, Inc., New York, N. Y. Watches, watch movements, and parts of the same. 169,954–5; July 10; Serial Nos. 174,622–3; published Apr. 3, 1923.

Hipp. Didisheim Company, Inc., New York, N. Y. Watches, watch movements, and parts of the same. 169,957; July 10; Serial No. 174,624; published Apr. 3, 1923.

Hirshfield Skirt Co., St. Louis, Mo. Outer skirts for girls. 170,360; July 10.

Hl-Way Laboratories. (See Finstick, Lawrence A.)

Hobbs, H. C., doing business as Fidelity Pencil Company, New York, N. Y. Pencils. 170,204; July 10; Serial No. 173,132; published Mar. 13, 1923.

Hochstadter, Harry C., Philadelphia, Pa. Dental floss. 169,946; July 10; Serial No. 174,392; published Apr. 10, 1923.

Hoef, John J., Los Angeles, Calif. Canned ripe olives. 170,105; July 10; Serial No. 168,364; published Apr. 10, 1923.

Holbrook, Merrill & Stetson, San Francisco and Los Angeles, Calif. Cooking and heating stoves, furnaces, radiators, etc. 170,137; July 10; Serial No. 162,409; published Apr. 3, 1923.

Hollander, Joseph, Inc., Newark, N. J. Dyed animal skins. 169,977; July 10; Serial No. 166,741; published Apr. 10, 1923.

Holzman, Samuel, doing business as Tsout Remedy Co., New York, N. Y. Remedy for corns, calli, and warts. 170,259; July 10; Serial No. 170,818; published Apr. 3, 1923.

Hooven & Allison Company, The, Xenia, Ohio. Cordage. 170,000; July 10; Serial No. 154,515; published Apr. 3, 1923.

Horlicks Food Company, assignor to Horlick's Malted Milk Company, Racine, Wis. Malt extract and other food for infants and invalids. 23,791; renewed Nov. 7, 1923.

Hornsby, Pauline K., Chicago, Ill. Deodorants. 170,108; July 10; Serial No. 157,923; published Apr. 3, 1923.

Horstmann, Wm. H., Company, Philadelphia, Pa. Yarn. 170,016; July 10; Serial No. 172,475; published Apr. 3, 1923.

Hoyt Apothecaries Co. (See Donahue, Henry M.)

Hudnall, Frank P., Manchester, Ohio. Toilet packages for containing tooth brush, paste, and powder. 170,063; July 10; Serial No. 172,045; published Apr. 3, 1923.

Hunter, R. William, doing business as National Chemical Company, Detroit, Mich. Cold cream, vanishing cream, bleaching cream, hair grower, and corn remedy. 170,080; July 10; Serial No. 167,520; published Mar. 20, 1923.

Hupp Products Company, The, Columbus, Ohio. Rubber-composition floor covering. 170,046; July 10; Serial No. 175,196; published Apr. 10, 1923.

Hygrade Provision Co. Inc., Brooklyn, N. Y. Meat products. 170,210; July 10; Serial No. 138,568; published Apr. 10, 1923.

Ideal Roller & Manufacturing Co. Inc., Chicago, Ill. Rollers for printing presses, lithographic presses, etc. 170,010; July 10; Serial No. 172,678; published Apr. 3, 1923.

Independent Paper Mills, Inc., Brooklyn, N. Y. Dispensing devices for paper towels, napkins, etc. 170,329; July 10; Serial No. 176,186; published Apr. 3, 1923.

Indianapolis Tent & Awning Company, Indianapolis, Ind. Awnings and tarpaulins. 170,015; July 10; Serial No. 172,538; published Apr. 3, 1923.

Jefferson Co. Inc., Richmond, Va. Vegetable shortening, lard substitute. 170,221; July 10; Serial No. 153,551; published Apr. 10, 1923.

Jensen, Dr. Walter D., doing business as Bio-Chemic Laboratory, Taylor, Nebr. Remedy used for distemper in dogs. 169,986; July 10; Serial No. 167,943; published Apr. 10, 1923.

Joannes Bros. Co., Green Bay, Wis. Canned vegetables, and fish, molasses, and fruit preserves. 170,282; July 10; Serial No. 172,745; published Apr. 17, 1923.

Johns-Manville, Incorporated, New York, N. Y. Brake lining. 170,062; July 10; Serial No. 172,046; published Apr. 3, 1923.

Johnston, Robert A., Co., doing business as Johnston's, Milwaukee, Wis. Candies. 170,160; July 10; Serial No. 169,715; published Apr. 3, 1923.

Jones, Deborah A., New Redford, Mass. Hair pomade, preparation for beautifying the hair, shampoo, etc. 170,121; July 10; Serial No. 163,991; published Mar. 27, 1923.

Jordahn, Gus, Palm Beach, Fla. Inflatable swimming device or belt. 169,948; July 10; Serial No. 174,454; published Apr. 10, 1923.

Juan Bautista Blancafort S. en C., La Garriga, Barcelona, Spain. Perforated music rolls for automatic pianos. 170,209; July 10; Serial No. 141,348; published Apr. 3, 1923.

Kales Stamping Company, Detroit, Mich. Mirrors for motor vehicles. 170,013; July 10; Serial No. 172,597; published Apr. 3, 1923.

Kappeler, Charles, St. Paul, Minn. Cow-hoof trimmers. 170,269; July 10; Serial No. 174,396; published Apr. 17, 1923.

Karas, Kyriakos, Brooklyn, N. Y. Liquid preparation for internal use in the treatment of asthma. 169,978; July 10; Serial No. 166,836; published Apr. 10, 1923.

Karlsruher Parfumerie- & Toilettenseifen-Fabrik F. Wolff & Sohn, G. m. b. H., Karlsruhe, Germany. Perfume, toilet water, hair tonic, etc. 169,999; July 10; Serial No. 152,758; published Apr. 3, 1923.

Kayack, Frederick L., New York, N. Y. Salad dressing. 170,262; July 10; Serial No. 170,435; published Apr. 3, 1923.

Keith, Geo. E., Company, Brockton, Mass. Leather boots and shoes. 170,219; July 10; Serial No. 152,760; published Apr. 3, 1923.

Kimberly-Clark Company, Neenah, Wis. Book papers. 170,320–2; July 10; Serial Nos. 175,662–4; published Apr. 3, 1923.

King, John P., Manufacturing Co., The, Augusta, Ga. Cotton piece goods. 170,357; July 10.

King, Wm. C., Scott City, Kans. Medicine for treatment of tuberculosis, chronic coughs, colds, etc. 170,017; July 10; Serial No. 172,477; published Apr. 3, 1923.

Kirk, Samuel, & Sons, Limited, Bradford, England. Piece goods composed of an admixture of wool and cotton. 169,989; July 10; Serial No. 132,052; published Apr. 3, 1923.

Kirsch, H., & Co., Brooklyn, N. Y. Ginger ale, sarsaparilla, cream soda, celery, etc., beverages and sirups for making the same. 170,049; July 10; Serial No. 175,400; published Apr. 17, 1923.

Klaine, Frank A., assignor to The F. A. Klaine Company, Cincinnati, Ohio. Cooking, heating, and gas stoves. 23,474; renewed Aug. 8, 1923.

Kobolt, George C., Chicago, Ill. Manicure preparations. 170,033; July 10; Serial No. 173,711; published Apr. 10, 1923.

Komdo Novelty Co., The, Mount Vernon, N. Y. Hosiery supporters. 170,091; July 10; Serial No. 170,201; published Apr. 3, 1923.

Konoff, Assin, Toledo, Ohio. Composition soles and heels for footwear. 170,095; July 10; Serial No. 156,835; published Apr. 11, 1923.

Krank, Alfred J., St. Paul, Minn. Hair dressing and dandruff remedy. 170,192–3; July 10; Serial Nos. 173,427–8; published Apr. 3, 1923.

La Crosse Rubber Mills Co., doing business as Wisconsin Rubber Mills Co., La Crosse, Wis. Rubber boots and shoes. 170,087; July 10; Serial No. 170,489; published Apr. 3, 1923.

Lady Janis Perfume Co., Chicago, Ill. Cold cream, complexion powder, perfume and toilet water. 170,028; July 10; Serial No. 173,652; published Apr. 10, 1923.

Lam, Glines & Co., Inc., New York, N. Y. Tea. 170,078; July 10; Serial No. 167,137; published Apr. 3, 1923.

Lamb, Thomas B., New York, N. Y. Handkerchiefs. 170,110; July 10; Serial No. 159,096; published Apr. 3, 1923.

Lasher, Charles W., jr., doing business as The Art Label Company, Chicago, Ill. Display stands or easels. 170,271; July 10; Serial No. 174,251; published Apr. 10, 1923.

Leggett, Francis H., & Company, New York, N. Y. Flavoring preparation for food products. 170,104; July 10; Serial No. 169,859; published Apr. 3, 1923.

Lenapé Silk Company, East Stroudsburg, Pa. Broad silk goods in the piece. 170,044; July 10; Serial No. 175,089; published Apr. 10, 1923.

Littooy, John F., Boise, Idaho. Calcium-caseinate spreader to be added to sprays. 170,135; July 10; Serial No. 161,263; published Apr. 10, 1923.

Long's Hat Stores, New York, N. Y. Men's hats. 170,350–1; July 10.

Lowry, Donald J., Pasadena, Calif. Lubricating oil and grease. 170,246; July 10; Serial No. 171,584; published Apr. 3, 1923.

Lutz & Zuellig, Manila, P. I. Cotton, silk, and woolen piece goods. 170,211–12; July 10; Serial Nos. 142,219–20; published Apr. 10, 1923.

McBride, Joseph J., doing business as The Shoor-Patch Rubber Company, Philadelphia, Pa. Preparation of rubber for repairing automobile tires, etc. 170,358; July 10.

McLaurin-Jones Co., Brookfield, Mass. Wrapping paper. 170,273; July 10; Serial No. 174,147; published Apr. 10, 1923.

MaCarthy, John C., doing business as The Ma-Lit-Ta Co., Norwood, Mass. Ointment for the treatment of piles, fistula, constipation, etc. 170,034; July 10; Serial No. 173,840; published Apr. 10, 1923.

Madame Marie. (See Munson, Elizabeth M.)

Magner, Charles T., Cleveland, Ohio. Dental suction plates. 169,982; July 10; Serial No. 167,779; published Apr. 10, 1923.

Ma-Lit-Ta Co., The. (See MaCarthy, John C.)

Manhasset Manufacturing Company, Providence, R. I. Cotton fabric in the piece. 170,261; July 10; Serial No. 170,440; published Jan. 30, 1923.

Mansfield Chemical Company, Chicago, Ill. Furniture and automobile polishes. 169,971; July 10; Serial No. 164,600; published Apr. 10, 1923.

Marbletex Co., Inc., The, West Hoboken, N. J., and New York, N. Y. Silks, silk and cotton mixtures, cotton goods, linens, and draperies. 170,057; July 10; Serial No. 175,938; published Apr. 10, 1923.

Marschat Import Co., Inc., New York, N. Y. Cologne waters, bath salts, face clays, etc. 170,081; July 10; Serial No. 167,530; published Apr. 3, 1923.

Marshall Field & Company, Chicago, Ill. Sheets and pillowcases. 169,991; July 10; Serial No. 140,289; published Apr. 10, 1923.

Marshall Field & Company, Chicago, Ill. Women's hosiery. 170,146; July 10; Serial No. 158,115; published Apr. 24, 1923.

Marshall Field & Company, Chicago, Ill. Gingham in the piece. 170,337; July 10.

Marstin, Clayton R., doing business as The Blazeout Company, Boston, Mass. Fire-extinguishing powders. 170,148; July 10; Serial No. 168,272; published Apr. 3, 1923.

Mason, Au & Magenheimer Confectionery Manufacturing Company, Brooklyn, N. Y. Candies. 170,135; July 10; Serial No. 168,978; published Apr. 3, 1923.

Maxson Automatic Machinery Company, The, Westerly, R. I. Machines for cutting, piling, etc., paper and other sheet material. 170,003; July 10; Serial No. 155,978; published Apr. 3, 1923.

Med-A-Dent, Dental Specialties Company. (See Hatfield, Asa A.)

Mellier Drug Company, St. Louis, Mo. Tonic and general stimulant. 17,784; renewed Apr. 15, 1920.

Mell-O Packing Company. (See Burhop, Fred D.)

Melville Shoe Corporation, New York, N. Y. Shoes. 170,095; July 10; Serial No. 169,406; published Apr. 10, 1923.

Mentho Relief Company. (See Gallagher, Owen V.)

Merkin, M. J., Paint Co. Inc., Long Island City, N. Y. Lead, oil, and zinc paint. 169,950; July 10; Serial No. 174,583; published Apr. 10, 1923.

Metz, H. A., Laboratories, Inc., New York, N. Y. Astringents and mild antiseptics. 170,191; July 10; Serial No. 173,434; published Apr. 3, 1923.

Metzger, W. H., doing business as W. H. Metzger Company, Bloomington, Ill. Exterminator for insects on plant life, trees, etc. 170,122; July 10; Serial No. 164,180; published Apr. 3, 1923.

Metzger, W. H., Company. (See Metzger, W. H.)

Mewhinney, A. B., Co. Inc., also doing business as Mewhinney's, Terre Haute, Ind. Chocolate-coated fudge bars. 170,139; July 10; Serial No. 162,564; published Apr. 10, 1923.

Miami Manufacturing Co., Miami, Fla. Casement-window adjusters. 170,190; July 10; Serial No. 173,520; published Apr. 3, 1923.

Michel, August, Elberta, Ala. Healing salve for sore and calloused feet. 170,189; July 10; Serial No. 173,521; published Apr. 3, 1923.

Miller Petroleum Company, Kansas City, Mo. Kerosene. 170,053; July 10; Serial No. 175,673; published Apr. 10, 1923.

Miller Petroleum Company, Kansas City, Mo. Naphtha. 170,181; July 10; Serial No. 176,200; published Apr. 10, 1923.

Miltenberg, E., Inc., New York, N. Y. Paprika and spices. 170,158; July 10; Serial No. 169,407; published Apr. 3, 1923.

Milwaukee Bag Co., Milwaukee, Wis. Cloth mailing bags. 170,300; July 10; Serial No. 176,638; published Apr. 10, 1923.

Minck, George, New York, N. Y. Sheet-metal bill signs, advertising boards, and painted board signs. 170,100; July 10; Serial No. 169,136; published Apr. 10, 1923.

Minnesota Stove Company, The, Minneapolis, Minn. Wood, coal, gas, oil, and vapor stoves, ranges, and furnaces. 170,265; July 10; Serial No. 106,453; published July 4, 1922.

Moon Laboratories. (See O'Connor, Edward J.)

Morgan, Neil E., Ogdensburg, N. Y. House-fly killer, a liquid roach killer, liquid mosquito killer and repellent, etc. 170,060; July 10; Serial No. 172,388; published Apr. 3, 1923.

Munger, Louis de F., doing business as Four Way Company, Springfield, Mass. Telephone plugs. 170,024; July 10; Serial No. 173,576; published Apr. 3, 1923.

Munson, Elizabeth M., doing business as Madame Marie, San Francisco, Calif. Almond massage cream, shaving and beauty lotions, etc. 170,084; July 10; Serial No. 168,057; published Apr. 3, 1923.

Murphy Varnish Company, Newark, N. J. Varnishes, paint enamels, varnish stains. 170,224; July 10; Serial No. 154,986; published Apr. 10, 1923.

Murray, R. W., & Co., South Boston, Mass. Malt extract. 170,040; July 10; Serial No. 174,970; published Apr. 10, 1923.

N. V. National Perfumery Company, Amsterdam, Netherlands. Cologne and toilet waters, perfumes, etc. 170,206; July 10; Serial No. 173,294; published Mar. 27, 1923.

Nathan & Cohen Co., Inc., New York, N. Y. Cotton goods in the piece. 170,317; July 10; Serial No. 175,509; published Apr. 3, 1923.

National Chemical Company. (See Hunter, R. William.)

National Fireworks Manufacturing Company, The, Boston and West Hanover, Mass. Fireworks. 170,131; July 10; Serial No. 158,942; published Apr. 10, 1923.

National Kellastone Co., Chicago, Ill. Building cement and stucco. 170,126; July 10; Serial No. 155,028; published Aug. 29, 1922.

Nettie-Baell Hinkle, Shreveport, La. Medicinal preparation used in the treatment of carbuncles, boils, old sores, etc. 170,065; July 10; Serial No. 171,844; published Mar. 27, 1923.

Neuss, Hesslein & Co., Inc., New York, N. Y. Woven gray, bleached, printed, and dyed cotton piece goods. 169,958; July 10; Serial No. 174,667; published Apr. 10, 1923.

Newell, Carroll D., New York, N. Y. Yarn. 169,973; July 10; Serial No. 165,756; published Jan. 9, 1923.

New England Confectionery Company, Boston, Mass. Candy. 170,001; July 10; Serial No. 154,812; published Apr. 3, 1923.

New England Confectionery Company, Boston, Mass. Candy. 170,002; July 10; Serial No. 154,815; published Apr. 3, 1923.

Newman, John J., doing busines as J. J. Newman Co., Los Angeles, Calif. Corn plasters. 170,036; July 10; Serial No. 173,851; published Apr. 10, 1923.

Newport Company, The, Carrollville, Wis. Turpentine substitutes. 170,058; July 10; Serial No. 175,940; published Apr. 10, 1923.

New Process Company, Warren, Pa. Portfolios (brief cases). 170,304; July 10; Serial No. 176,496; published Apr. 10, 1923.

New Process Company, Warren, Pa. Men's suitcases. 170,305–6; July 10; Serial Nos. 176,494–5; published Apr. 10, 1923.

Newton Line Company Incorporated, Homer, N. Y. Fishing lines. 170,029; July 10; Serial No. 173,665; published Apr. 10, 1923.

Newton Line Company Incorporated, Homer, N. Y. Fishing lines. 170,030; July 10; Serial No. 173,662, published Apr. 10, 1923.

New York Belting and Packing Company, New York, N. Y. Belting made of rubber and fabric. 170,312; July 10; Serial No. 175,320; published Apr. 3, 1923.

New York Belting and Packing Company, New York, N. Y. Belting made of rubber and fabric. 170,313; July 10; Serial No. 175,322; published Apr. 3, 1923.

Nickels, Cathrine, Philadelphia, Pa. Preparation for the alleviation of baldness and the restoration and preservation of the hair. 170,019; July 10; Serial No. 172,431; published Mar. 27, 1923.

Niles Tool Works Company, The, New York, N. Y. Hydraulic presses, axle lathes, boring and turning mills, etc. 170,336; July 10.

Nolen, Apiaries, The. (See Nolen, Lawrence R.)

Nolen, Lawrence R., doing business as The Nolen Apiaries, Kerens, Tex. Honey. No. 170,156; July 10; Serial No. 169,072; published Apr. 3, 1923.

Nypros Steel Company, Philadelphia, Pa. Liquid used in heat-treating steel. 170,264; July 10; Serial No. 170,400; published Apr. 3, 1923.

O'Connor, Edward J., doing business as Moon Laboratories, St. Louis, Mo. Toilet preparations. 170,257; July 10; Serial No. 170,947; published Mar. 20, 1923.

Oklahoma Publishing Company, The, Oklahoma, Okla. Daily newspaper. No. 170,041; July 10; Serial No. 174,973; published Apr. 17, 1923.

Oklahoma Publishing Company, The, Oklahoma, Okla. Daily newspaper. 170,045; July 10; Serial No. 175,152; published Apr. 17, 1923.

Old Dutch Mills, Inc., New York, N. Y. Coffee. 170,220; July 10; Serial No. 153,256; published Dec. 5, 1922.

Oval Wood Dish Corporation, Tupper Lake, N. Y. Wooden plates. 170,180; July 10; Serial No. 176,204; published Apr. 10, 1923.

Paramount Paint & Varnish Co., Philadelphia, Pa. Ready-mixed paint. 170,047; July 10; Serial No. 175,208; published Apr. 10, 1923.

Paramount Paint & Varnish Co., Philadelphia, Pa. White paint enamel. 170,048; July 10; Serial No. 175,209; published Apr. 10, 1923.

Parfumerie Caron. (See Daltroff, E., & Cie.)

Paul, Israel, doing business as Russpharmaco Products Co., Philadelphia, Pa. Medicine for the treatment of the blood and stomach. 170,082; July 10; Serial No. 167,533; published Apr. 3, 1923.

Peninsular Paper Company, Ypsilanti, Mich. Cover paper. 170,333; July 10.

Penn Paste Milling Company, Wilkes-Barre, Pa. Dry pastes. 170,124; July 10; Serial No. 160,255; published Apr. 10, 1923.

Penn Tobacco Company, Wilkes-Barre, Pa. Cigarettes. 169,959; July 10; Serial No. 174,702; published Apr. 10, 1923.

Peoples Drug Stores, Inc., Washington, D. C. Cigars. 170,107; July 10; Serial No. 157,690; published Apr. 3, 1923.

Peppers, Thomas H., Los Angeles, Calif. Fresh cantaloupes. 170,118; July 10; Serial No. 162,949; published Apr. 3, 1923.

Perolin Fabrikationsgesellschaft m. b. H., Vienna, Austria. Ethereal oils and essences for deodorizing and purifying the air. 170,215; July 10; Serial No. 146,780; published Apr. 10, 1923.

Perry, David, Dallas, Tex. Oil burners. 170,225; July 10; Serial No. 154,458; published Jan. 9, 1923.

Peters Manufacturing Company, Boston, Mass. Shoe fabrics. 170,179; July 10; Serial No. 176,209; published Apr. 10, 1923.

Petroleum Export Corporation, Los Angeles, Calif. Kerosene and gasoline and lubricating oil. 170,175; July 10; Serial No. 176,211; published Apr. 10, 1923.

Petroleum Export Corporation, Los Angeles, Calif. Gasoline, kerosene, lubricating oil, and gas oil. 170,178; July 10; Serial No. 176,210; published Apr. 10, 1923.

Pfeiffer, S., Mfg. Co., St. Louis, Mo. Medicinal preparation for the treating of croup, colds, and inflammation. 170,205; July 10; Serial No. 173,207; published Mar. 27, 1923.

Philipps Aktien-Gesellschaft, Frankfort-on-the-Main, Germany. Electrical lamps, electromotors, dynamos, etc. 170,217; July 10; Serial No. 150,286; published Apr. 3, 1923.

Pickering, Joseph, & Sons, assignor to Joseph Pickering & Sons, Limited, Sheffield, England. Preparation for whitening and coloring buckskin leather. 18,578; renewed Nov. 4, 1920.

Pittsburgh Oil Refining Corporation, Baltimore, Md. Lubricant or grease for gear cases of automobiles. 170,213; July 10; Serial No. 144,423; published Sept. 19, 1922.

Pittsburgh Plate Glass Company, Pittsburgh, Pa. Liquid and paste paints. 170,296; July 10; Serial No. 175,518; published Apr. 17, 1923.

Pittsburgh Plate Glass Company, Pittsburgh, Pa. Varnish. 170,318; July 10; Serial No. 175,517; published Apr. 3, 1923.

Platt's, Chicago, Ill. Hosiery. 170,143; July 10; Serial No. 163,170; published Apr. 10, 1923.

Plumb, Fayette R., Incorporated, Philadelphia, Pa. Files. 170,069; July 10; Serial No. 165,504; published Apr. 10, 1923.

Poe Chemical Company. (See Bryant, Frank H.)

Polar Cake Co., Denver, Colo. Edible article of manufacture or sweetmeat preferably composed of ice cream and cake incased in a chocolate coating. 170,120; July 10; Serial No. 163,944; published Dec. 6, 1922.

Poor, Charles L., Co., New York, N. Y. Cotton piece goods. 170,183; July 10; Serial No. 176,035; published Apr. 10, 1923.

Poor, Charles L., Co., New York, N. Y. Cotton piece goods. 170,184; July 10; Serial No. 176,038; published Apr. 10, 1923.

Postex Cotton Mills, Post, Tex. Cotton piece goods, pillowcases, and sheets. 170,344; July 10.

Post-Time Publishing Co., Inc., New York, N. Y. Triweekly and daily publication. 170,050; July 10; Serial No. 175,323; published Apr. 17, 1923.

Prairie Remedy Co., Batavia, Ill. Stock and poultry tonics and conditioners. 170,214; July 10; Serial No. 146,397; published Apr. 10, 1923.

Progress Paint Mfg. Co., Louisville, Ky. Wagon paint, fiber roof paint, varnish, paint enamel, etc. 170,293; July 10; Serial No. 176,043; published Apr. 17, 1923.

Promo Products Co. (See Clifford, Charles T. H.)

Purdue, Frederick Company, The, New York, N. Y. Tonic compound. 23,794; renewed Nov. 7, 1923.

Pyro Clay Products Company, The, Oak Hill, Ohio. Refractory materials. 170,216; July 10; Serial No. 148,891; published Jan. 24, 1922.

R. C. Importation Corporation, New York, N. Y. Cigars, cigarettes, and smoking tobacco. 170,231; July 10; Serial No. 173,857; published Apr. 3, 1923.

R. E. D. Mfg. Co., The. (See Douglas, Richard.)

Radiola Wireless Corporation, The, New York, N. Y. Radio crystals. 170,101; July 10; Serial No. 168,786; published Apr. 3, 1923.
Reese Chemical Co., The, Cleveland, Ohio. Prophylactic remedy. 170,127; July 10; Serial No. 155,122; published Apr. 10, 1923.
Remien & Kuhnert Co., Chicago, Ill. Varnishes. 170,055; July 10; Serial No. 175,885; published Apr. 10, 1923.
Republic Photographic Corporation, Ferguson, Mo. Sensitized photographic paper. 170,239; July 10; Serial No. 174,336; published Apr. 3, 1923.
Reynolds, James R., doing business as Soldiers Bonus Products Co., Chicago, Ill. Beverages sold as soft drinks and sirups used in the preparation of same. 170,290; July 10; Serial No. 176,217; published Apr. 17, 1923.
Richter, Julius, doing business as Globe Import Co., New York, N. Y. Scissors and pocketknives. 170,159; July 10; Serial No. 169,517; published Apr. 10, 1923.
Rochelle Lace Works. (See Baechtold, Herman.)
Rodriguez, Salvador, New York, N. Y. Cigars. 170,187; July 10; Serial No. 178,360; published May 8, 1923.
Rogers & Hubbard Company, The, Portland, Conn. Fertilizers. 170,076; July 10; Serial No. 166,713; published Apr. 3, 1923.
Rogers, Joel H., doing business as Rogers Bracket Company, Jacksonville, Fla. Curtain brackets. 170,260; July 10; Serial No. 170,729; published Apr. 3, 1923.
Rollaway Motor Company, The, Toledo, Ohio. Automobile steering-gear-control wheels. 170,140; July 10; Serial No. 162,853; published Apr. 10, 1923.
Rossendale Belting Company, assignor to Rossendale-Reddaway Belting & Hose Company, Newark, N. J. Driving belts. 19,470; renewed May 12, 1921.
Rose, H., & Company. (See Stahel, Edward P. & Co., assignors.)
Rubin Bros. Foot-Wear, New York, N. Y. Leather, cloth, and fabric shoes and slippers and cloth spats. 170,093; July 10; Serial No. 169,826; published Apr. 3, 1923.
Rubin Bros. Foot-Wear, New York, N. Y. Shoes, slippers, and cloth spats. 170,163; July 10; Serial No. 169,827; published Mar. 6, 1923.
Russpharmaco Products Co. (See Paul, Israel.)
Sackett, H. B., Screen & Chute Company, Chicago, Ill. Scoops, shovels, and steel chutes. 170,018; July 10; Serial No. 172,443; published Apr. 10, 1923.
Salembier & Clay, Inc., New York, N. Y. Silk goods in the piece. 170,185; July 10; Serial No. 176,045; published Apr. 10, 1923.
Schneider, Emil D., doing business as Gintone Laboratories, Memphis, Tenn. Tonic for use upon the scalp or skin. 170,254; July 10; Serial No. 171,140; published Apr. 3, 1923.
Scholl, Wesley L., doing business as The Solloff Company, Eldorado, Kans. Preparation to be applied to linen collars. 170,331; July 10.
Schrafft, W. F., & Sons Corporation, Boston, Mass. Candies. 170,113; July 10; Serial No. 159,327; published Apr. 3, 1923.
Schwed, Bertie S., Far Rockaway, N. Y. Sewing case. 170,202; July 10; Serial No. 173,010; published Apr. 3, 1923.
Scripture, Arthur P., New York, N. Y. Steel bars and billets. 170,314; July 10; Serial No. 175,328; published Apr. 3, 1923.
Sea Coast Packing Co., Seattle, Wash. Canned salmon. 170,103; July 10; Serial No. 168,647; published Apr. 10, 1923.
Semel, J. H., & Co., New York, N. Y. Children's knit underwear. 170,145; July 10; Serial No. 163,653; published Apr. 10, 1923.
Semet-Solvay Company, Solvay, N. Y. Organic and inorganic chemicals. 170,279; July 10; Serial No. 173,251; published Apr. 10, 1923.
Service Sales Agency. (See Curtiss, Lloyd, assignor.)
Shapiro, Louis, doing business as Louis Shapiro & Co., Mount Vernon, N. Y. Men's ready-made suits and overcoats. 170,142; July 10; Serial No. 163,117; published Apr. 3, 1923.
Sharp & Dohme, Baltimore, Md. Suppurative medicinal powder. 170,247; July 10; Serial No. 171,596; published Apr. 3, 1923.
Shaw Mfg. Co., Oak Park, Ill. Spark plugs. 170,341; July 10.
Sherwood Petroleum Company, Inc., Brooklyn, N. Y. White mineral oil for medicinal purposes. 170,198–9; July 10; Serial Nos. 173,368–9; published Apr. 3, 1923.
Shields, Burton T., doing business as Shields and Hopkins Company, Indianapolis, Ind. Periodical publications. 169,965; July 10; Serial No. 174,927; published Apr. 17, 1923.
Shirek & Hirsch, New York, N. Y. Men's, women's, and children's outer garments. 170,117; July 10; Serial No. 162,461; published Oct. 10, 1922.
Shoor-Patch Rubber Company. (See McBride, Joseph J.)
Shults Ointment Company. (See Hinkson, Andrew H.)
Siegbert, Louis, & Bro., New York, N. Y. Cotton piece goods. 170,235; July 10; Serial No. 174,037; published Apr. 3, 1923.
Sierra Chemical Company, Los Angeles, Calif. Water-softening compound. 170,004; July 10; Serial No. 156,721; published Mar. 6, 1923.
Simonson, Wilmot H., Medford, Mass. Filling for puddings, pies, and layer cakes. 170,099; July 10; Serial No. 169,186; published Apr. 10, 1923.
Sischo, Kittie F., San Monica, Calif. Dolls. 170,154; July 10; Serial No. 168,651; published Apr. 3, 1923.
Smith, J., Elmer, doing business as Claresa Chemical Works, Irwin, Pa. Furniture polish. 170,319; July 10; Serial No. 175,529; published Apr. 3, 1923.
Smith, Paulding, Philadelphia, Pa. Leather heel protectors. 170,359; July 10.
Snappy Sales Co., St. Louis, Mo. Supports for telephone cords, electric-iron cords, etc. 170,022; July 10; Serial No. 173,539; published Apr. 3, 1923.
Societe Anonyme la Biotherapie (Societe Anonyme de Produits Chimiques Biologiques et d'Hygiene), Paris, France. Antiseptic and prophylactic tablets for the remedy and prevention of diseases. 170,249; July 10; Serial No. 171,290; published Mar. 27, 1923.
Society Club Beverage Corporation, Newark, N. J. Beverages sold as soft drinks and sirups for making the same. 170,051; July 10; Serial No. 175,411; published Apr. 17, 1923.
Solloff Company, The. (See Scholl, Wesley L.)
Soldiers Bonus Products Co. (See Reynolds, James R.)
Southard, Thos., Poultry Supply Co., Kansas City, Mo. Remedy for colds, roup, canker, cholera, etc., diseases in poultry. 169,980; July 10; Serial No. 167,337; published Apr. 10, 1923.
Stahel, Edward P., & Co., New York, N. Y., assignors to H. Rost & Company, Hamburg, Germany. Rubber tissue for reenforcing, stiffening, and waterproofing parts of garments, etc. 170,244; July 10; Serial No. 174,676; published Apr. 10, 1923.
Standard Oil Company of New York, New York, N. Y. Petroleum and products of petroleum. 170,303; July 10; Serial No. 176,506; published Apr. 10, 1923.
Standard Oil Company of New York, New York, N. Y. Petroleum and products of petroleum. 170,325–6; July 10; Serial Nos. 175,959–60; published Apr. 3, 1923.
Standard Oil Company of New York, New York, N. Y. Petroleum and products of petroleum. 170,327; July 10; Serial No. 175,965; published Apr. 3, 1923.
Standard Oil Company of New York, New York, N. Y. Petroleum and products of petroleum. 170,328; July 10; Serial No. 175,968; published Apr. 3, 1923.
Standard Paper Company, Kalamazoo, Mich. Paper cartons. 170,302; July 10; Serial No. 176,659; published Apr. 10, 1923.
Standard Paper Manufacturing Co., Richmond, Va. Blotters. 170,116; July 10; Serial No. 161,283; published Apr. 3, 1923.
Standard Tent & Awning Company, The, Toledo, Ohio. Men's working pants, overalls, jumpers, etc. 170,335; July 10.
Stanley Gildden Co., Inc., Boston, Mass. Rubber tires, tubes, patches, hose, etc. 170,207; July 10; Serial No. 121,766; published Apr. 10, 1923.
Stebbins, E., Manufacturing Company, Springfield, Mass. Quick-compression bibs. 170,238; July 10; Serial No. 174,271; published Apr. 3, 1923.
Steiger, Ernest, New York, N. Y. Kindergarten material. 170,223; July 10; Serial No. 154,769; published Apr. 10, 1923.
Stout, A. L., & Co., Indianapolis, Ind., and New York, N. Y. Piston rods. 170,270; July 10; Serial No. 174,345; published Apr. 17, 1923.
Strasenburgh, R. J., Company, Rochester, N. Y. Tonic for use in connection with convalescence, anæmia, etc. 170,031; July 10; Serial No. 173,686; published Apr. 10, 1923.
Stubbs, India K., Monroe, La. Dolls and contortional figures. 169,960; July 10; Serial No. 174,707; published Apr. 10, 1923.
Sudermann & Co., New York, N. Y. General tonic. 170,111; July 10; Serial No. 159,772; published Mar. 20, 1923.
Supreme Orient O. O. H. & P., Schenectady, N. Y. Letterheads, envelopes, report blanks, etc. 169,998; July 10; Serial No. 145,597; published Apr. 3, 1923.
Sussfeld, Lorsch & Schimmel, New York, N. Y. Ophthalmic-lens blanks. 170,291; July 10; Serial No. 176,766; published Apr. 17, 1923.
Sussfeld, Lorsch & Schimmel, New York, N. Y. Ophthalmic lenses and blanks. 170,292; July 10; Serial No. 176,767; published Apr. 17, 1923.
Symbolox Box Co. (See Conley, Frederick T.)
Tate, Norman F., Amarillo, Tex. Veterinary medicine, being a blistering agent. 170,149; July 10; Serial No. 168,287; published Mar. 20, 1923.
Tee Pee Rubber Company, Inc., New York, N. Y. Rubber heels. 170,096; July 10; Serial No. 169,372; published Apr. 3, 1923.
Thomas & Betts Co., The, Elizabeth, N. J. Couplings for elastical conduits. 170,342; July 10.
Thomas, Howard D., Seattle, Wash. Electric switches. 170,346; July 10.
Tiffany Manufacturing Company, Newark, N. J. Ammeters. 170,330; July 10.
Timson, Frederick H., Boston, Mass. Gaiters of leather, fabric, and combination. 170,161; July 10; Serial No. 169,731; published Apr. 3, 1923.

Tin Decorating Company of Baltimore, The, Baltimore, Md. Receptacles for gloves, handkerchiefs, lingerie, and sewing materials. 170,114; July 10; Serial No. 160,165; published Apr. 3, 1923.
Tingue, Brown & Co., New York, N. Y. Laundry bags. 170,226; July 10; Serial No. 174,758; published Apr. 3, 1923.
Tinnerman, A. H., doing business as Tinnerman Stove & Range Co., Cleveland, Ohio. Gas and combination coal and gas ranges and gas coal heaters. 170,098; July 10; Serial No. 169,261; published Apr. 10, 1923.
Trico Products Corporation, Buffalo, N. Y. Mirrors for vehicles, windshield wings, shock absorbers, etc. 170,258; July 10; Serial No. 170,910; published Apr. 3, 1923.
Tsout Remedy Co. (See Holzman, Samuel.)
Tubetite Manufacturing Company. (See Crumley, C. V.)
U. S. Sewing Thread Co. (See Chertoff, N., Inc.)
Union Cutlery Co., Olean, N. Y. Razors. 170,298; July 10; Serial No. 175,033; published Apr. 17, 1923.
Union Paper Company, New York, N. Y. Paper cans. 170,356; July 10.
United & Globe Rubber Company, Trenton, N. J. Brake linings. 169,997; July 10; Serial No. 144,166; published Apr. 26, 1921.
United Retail Candy Stores, Inc., New York, N. Y. Candy. 169,992; July 10; Serial No. 140,358; published Mar. 22, 1921.
United States Printing Company, The, assignor to The United States Playing Card Company, Cincinnati, Ohio. Playing cards. 23,782; renewed Nov. 7, 1923.
Utility Fittings Company. (See Brunner, Lamar F.)
Vincent, Sidney C., Baltimore, Md. Toy alarm clocks or watches. 169,962; July 10; Serial No. 174,804; published Apr. 10, 1923.
Vitalis Products, Incorporated, Los Angeles, Calif. Batteries. 170,133; July 10; Serial No. 159,735; published June 13, 1922.
Voorhees Rubber Mfg. Co., Jersey City, N. J. Hose, belting, and packing made of rubber, etc. 170,255; July 10; Serial No. 171,003; published Apr. 3, 1923.
Vulcan Manufacturing Company, Kansas City, Mo. Clothes-washing machines. 170,343; July 10.
Walker Stetson Company, Boston, Mass. Underwear and gloves. 170,332; July 10.
Walter Reed General Hospital, Washington, D. C. Weekly periodical. 170,272; July 10; Serial No. 174,189; published Apr. 17, 1923.
Warner, Charles, Company, Wilmington, Del. Hydrated lime. 170,222; July 10; Serial No. 154,344; published Apr. 10, 1923.
Washington Embroidery Co., New York, N. Y. Pillow-cases, bolster cases, bed sheets, shams, scarfs, table covers, and napkins. 169,963; July 10; Serial No. 174,805; published Apr. 10, 1923.
Waterville Textile Mills, Inc., Waterville, N. Y. Children's underwear. 170,073; July 10; Serial No. 166,210; published Dec. 12, 1922.
Watson & Aven, Little Rock, Ark. Ice cream. 170,157; July 10; Serial No. 169,343; published Apr. 3, 1923.
Weidner, Paul R., Woburn, Mass. Canned fruits and vegetables, dried fruits, fruit preserves, etc. 170,150; July 10; Serial No. 168,343; published Apr. 3, 1923.
Weldit Company, Washington, D. C. Preheating torches. 170,077; July 10; Serial No. 166,965; published Apr. 3, 1923.
Wendling, George X., San Francisco, Calif. Wall section consisting of connected wood slats forming a closure or wall for a box or crate. 170,349; July 10.
Western Bottle Manufacturing Company, also doing business as The Western Company, Chicago, Ill. Handkerchiefs. 170,182; July 10; Serial No. 176,144; published Apr. 10, 1923.
Western Bottle Manufacturing Company, also doing business as The Western Company, Chicago, Ill. Handkerchiefs. 170,186; July 10; Serial No. 176,139; published Apr. 10, 1923.
Western Cartridge Company, East Alton and Springfield, Ill., assignor to Western Cartridge Company. Shot shells. 169,970; July 10; Serial No. 164,285; published Apr. 3, 1923.
Western Company, The. (See Western Bottle Manufacturing Company.)
Wheaton, Hiram, & Sons, assignors to Hiram Wheaton & Sons, Inc., New Bedford, Mass. Carbonated beverages. 22,778; renewed Apr. 11, 1923.
White Rock Mineral Spring Company, assignor to White Rock Mineral Springs Company, Waukesha, Wis. Mineral water, ginger ale, phosphate, ozonate, and carbonated beverages. 23,873; renewed Nov. 28, 1923.
Whiting Paper Company, Holyoke, Mass. Writing and printing paper and envelopes. 170,347–8; July 10.
Wiegel Candy Co., Tacoma, Wash. Candy. 169,968; July 10; Serial No. 164,017; published Apr. 10, 1923.
Wiggin, Henry, & Company Limited, Parade, Birmingham, England. Resistance wires of copper, nickel, iron, or of combinations or alloys of these metals. 170,090; July 10; Serial No. 170,345; published Apr. 17, 1923.
Wiggin, Henry, & Company Limited, Parade, Birmingham, England. Nickel-chrome-steel alloy. 170,284; July 10; Serial No. 172,709; published Apr. 17, 1923.
Wiggin, Henry, & Company Limited, Parade, Birmingham, England. Nickel-chrome alloy. 170,285; July 10; Serial No. 172,706; published Apr. 17, 1923.
Wile, Julius, Sons & Co., New York, N. Y. Oilcloth. 170,054; July 10; Serial No. 175,829; published Apr. 3, 1923.
Willamette Valley Canneries, Inc., Portland, Oreg. Canned fruits and vegetables. 169,981; July 10; Serial No. 167,443; published Apr. 10, 1923.
Williams, Jno. G., Widener, Ark. Medicinal preparation in the nature of a purgative and liver medicine. 170,104; July 10; Serial No. 168,626; published Apr. 10, 1923.
Williams, Percy B. T., Philadelphia, Pa. Toothbrushes. 170,168–9; July 10; Serial Nos. 176,389–90; published Apr. 17, 1923.
Williams, Percy B. T., Philadelphia, Pa. Toothbrushes. 170,309; July 10; Serial No. 176,391; published Apr. 17, 1923.
Williams, Percy B. T., Philadelphia, Pa. Toothbrushes. 170,353; July 10.
Wills, George, and Sons, Ltd., London, England, and San Francisco, Calif. Hosiery. 169,967; July 10; Serial No. 163,722; published Apr. 3, 1923.
Wilson, Marie L., Atlantic City, N. J. Corn salve. 169,972; July 10; Serial No. 165,251; published Apr. 10, 1923.
Winter Machine Company, Pawtucket, R. I. Refrigerating and ice-making apparatus. 169,995; July 10; Serial No. 145,864; published Apr. 3, 1923.
Wisconsin Rubber Mills Co. (See La Crosse Rubber Mills Co.)
Wood Hydraulic Hoist & Body Company, Detroit, Mich. Hydraulic hoists and their parts. 170,066; July 10; Serial No. 173,801; published Apr. 10, 1923.
Wortendyke Manufacturing Co., Richmond, Va. Toilet paper and paper towels. 170,252; July 10; Serial No. 171,192; published Apr. 3, 1923.

ALPHABETICAL LIST OF REGISTRANTS OF LABELS.

Ajello, Romeo C., Brooklyn, N. Y. Romolo. For Macaroni. 26,161; July 10.
Apex Chocolate Company, doing business as Belle Rose Chocolates Co., Cambridge, Mass. Sweethome Chocolates. For Chocolates. 26,162; July 10.
Belle Rose Chocolates Co. (See Apex Chocolate Company.)
Block-Walsh Corporation, New York, N. Y. The Mystic Finger. For a Toy. 26,163; July 10.
Burgess Battery Company, Madison, Wis. Burgess 'A' Battery. For Electric Batteries. 26,164; July 10.
Darrah, Lydia, Candy Shops, Inc., Minneapolis, Minn. Lydia Darrah. For Candy. 26,165; July 10.
Fortune Products Company, Chicago, Ill. Fortune Shells. For Macaroni. 26,166; July 10.
Foster Lumber Company, Kansas City, Mo. Sunflower. For Roofing. 26,167; July 10.
Gary, Theo. H., Co., New York, N. Y. Hair Net. For Hair Nets. 26,168; July 10.
Glynn Canning Company, Brunswick, Ga. Glynco Brand Shrimp. For Canned Shrimp. 26,169; July 10.
Gradiaz, Annis & Co., Tampa, Fla. Don Julian Tampa Whiffs. For Cans and Boxes Containing Cigars. 26170; July 10.
Heller, B., & Company, Chicago, Ill. Mello-Freeze. For a Preparation for Use in Improving Ice Cream and in Conditioning the Ice-Cream Mix. 26,171; July 10.
Heller, B., & Company, Chicago, Ill. Heller's Fancy-Pastry Dessert Powder. For a Preparation for Use in Making Desserts. 26,172; July 10.
Hoye, Stephen M., doing business as Holly Products Co., Brooklyn, N. Y. Hoye's Sparkling Whisko. For Beverages. 26,173. July 10.
Holly Products Co. (See Hoye, Stephen M.)
Interlake Tissue Mills Co. Ltd., Merritton, Ontario, Canada. Interlake. For Toilet Paper. 26,174; July 10.
Interlake Tissue Mills Co. Ltd., Merritton, Ontario, Canada. Blue Bird. For Toilet Paper. 26,175; July 10.
Interlake Tissue Mills Co. Ltd., Merritton, Ontario, Canada. White Cross. For Toilet Paper. 26,176; July 10.
Jordan Marsh Company, Boston, Mass. Copley, The Men's Store of New England, a Separate Store in a Separate Building. For Men's Stockings and Socks. 26,177; July 10.
Jordan Marsh Company, Boston, Mass. Copley, The Men's Store of New England, a Separate Store in a Separate Building. For Men's Vests. 26,178; July 10.

Jordan Marsh Company, Boston, Mass. Copley, The Men's Store of New England, a Separate Store in a Separate Building. For Men's Sweaters. 26,179; July 10.

Keagy, Martin L., doing business as Lion Chemical Laboratories, Canton, Ohio. Bunny Cleaner. For a Water Softener and Washing Power. 26,180; July 10.

Kelp Water Company. (See Morriss, Herbert A.)

Lion Chemical Laboratories. (See Keagy, Martin L.)

Loveless, Samuel E., Chicago, Ill. I-S. For Bread. 26,181. July 10.

Morriss, Herbert A., doing business as Kelp Water Company, Minneapolis, Minn. Kelp Iodized Water. For Medical Preparation. 26,182; July 10.

National Carbon Company, Inc., New York, N. Y. 3 Cell Eveready Flashlight Battery. For Electric Batteries. 26,183; July 10.

National Music Lovers, Inc., New York, N. Y. Dance Series No. 1. For Talking-Machine Sound Records. 26,184; July 10.

Norris Inc., Atlanta, Ga. The Variety Box. For Candy. 26,185; July 10.

Pabst Corporation, Milwaukee, Wis. The Best Tonic. For General Medicinal Tonic. 26,186; July 10.

Pabst Corporation, Milwaukeee, Wis. Pabst Malt Syrup. For Malt Sirup. 26,187; July 10.

Pabst Corporation, Milwaukee, Wis. Artesia. For Table Water. 26,188; July 10.

Pabst, Fred, Company, Milwaukee, Wis. The Best Nipple. For Pipe Nipples. 26,189; July 10.

Package Paper & Supply Corporation, Springfield, Mass. Dayly Bread. For Bread. 26,190; July 10.

Rawleigh, W. T., Company, The, Freeport, Ill. Rawleigh's Good Health Talcum. For Talcum. 26,191; July 10.

Realneed Products Co., Harrisburg, Pa. Oxidene. For Powder for Malodorous, Galled, Calloused, Cracked, or Sore Feet, Body-Perspiration Odors, Sunburn, and Prickly Heat. 26,192; July 10.

Reckord Bros., Belair, Md. Reckord Brand Tomatoes. For Cans Containing Tomatoes. 26,193; July 10.

Reckord Bros., Belair, Md. Susquehanna Brand Tomatoes. For Cans Containing Tomatoes. 26,194; July 10.

Regensteiner Corporation, The, Chicago, Ill. Muh-Juhng, The Great Chinese Game. For Game Devices for Playing the Said Chinese Game. 26,195; July 10.

Reynolds, Wm. T., & Co. Inc., Poughkeepsie, N. Y. Reynolds' Reliance. For Coffee. 26,196; July 10.

Rich Brothers Cereal Company, Cedar Rapids, Iowa. Rich's Best. For Rolled Oats. 26,197; July 10.

Rieser Company, The, New York, N. Y. Penela. For Hair Nets. 26,198; July 10.

Rieser Company, The, New York, N. Y. Rovina. For Hair Nets. 26,199; July 10.

Santa Margarita Valley Gardens Association, Atascadero, Calif. Better Berries Grown in Santa Margarita Valley Gardens. For Fresh Berries. 26,200; July 10.

Sharp, Edward, & Sons Ltd., Maidstone, England. Sharp's Super-Kreem Toffee. For Toffee. 26,201; July 10.

Sun-Maid Raisin Growers, Fresno, Calif. Sun-Maid Raisinut Chocolates. For Boxes Containing Chocolates. 26,202–4; July 10.

Tuberosum Pyorrhea Co., The, Broken Bow, Okla. Dr. A. Peters' Tuberosum Pyorrhea Remedy. For Bottles Containing the Liquid. 26,205; July 10.

TuT Manufacturing Company. (See Vaughan, Mabel E.)

Vaughan, Mabel E., doing business as TuT Manufacturing Company, Birmingham, Mich. TuT. For Nonalcoholic Beverages. 26,206; July 10.

Waldes & Company, Inc., Long Island City, N. Y. Waldes Trusty. For Cards Containing Snap Fasteners. 26,207; July 10.

Western Tablet and Stationery Company, St. Joseph, Mo. Personality Linen. For Boxes Containing Stationery. 26,208; July 10.

Woolley, Daniel P., New York, N. Y. Tender Crust. For Bread. 26,209; July 10.

Woolley, Daniel P., New York, N. Y. Live Long. For Bread. 26,210; July 10.

Woolley, Daniel P., New York, N. Y. Lady Betty. For Bread. 26,211; July 10.

Woolley, Daniel P., New York, N. Y. Betty Brown. For Bread. 26,212; July 10.

Woolley, Daniel P., New York, N. Y. Balanced. For Bread. 26,213; July 10.

Woolley, Daniel P., New York, N. Y. Likaslice. For Bread. 26,214; July 10.

Woolley, Daniel P., New York, N. Y. Extra Fine. For Bread. 26,215; July 10.

Woolley, Daniel P., New York, N. Y. Superfine. For Bread. 26,216; July 10.

Woolley, Daniel P., New York, N. Y. Home Kraft. For Bread. 26,217; July 10.

Woolley, Daniel P., New York, N. Y. Sally Brown. For Bread. 25,218; July 10.

Woolley, Daniel P., New York, N. Y. Finetex. For Bread. 26,219; July 10.

ALPHABETICAL LIST OF REGISTRANTS OF PRINTS.

American Optical Company, Southbridge, Mass. Wellsworth Glasses, All that Science can give, all that Artistry can add. For Spectacles and Eyeglasses. 6,787; July 10.

B. V. D. Company, The, New York, N. Y. Getting the most out of life. For Athletic Underwear. 6,788; July 10.

B. V. D. Company, Inc. The, New York, N. Y. The Label Shows the Way to 'B. V. D.' For Athletic Underwear. 6,789; July 10.

B. V. D. Company, Inc., The, New York, N. Y. What Is 'B. V. D.'? For Athletic Underwear. 6,790; July 10.

Consumers Distributing Co., The, Pittsburgh, Pa. Little Stories of Success. For Vanilla Extracts. 6,791; July 10.

Eaton, Crane & Pike Company, Pittsfield, Mass. You wouldn't drink from your saucer. For Papeteries. 6,792; July 10.

Emery & Beers Company, Inc., assignor to Onyx Hosiery, Inc., New York, N. Y. "Onyx" Hosiery. For Hosiery. 6,793–5; July 10.

Fair, The, Chicago, Ill. The Ace of Golf Balls. For Golf Balls. 6,796; July 10.

Frost, George, Company, Boston, Mass. Knicker Boston Garter. For Men's Garters. 6,797; July 10.

Haynes Automobile Co., The, Kokomo, Ind. Haynes 77. For Automobiles. 6,798; July 10.

Heinz, H. J., Company, Pittsburgh, Pa. Pickles in Patterns. For Heinz 57 Varieties (Food Products). 6,799; July 10.

Heinz, H. J., Company, Pittsburgh, Pa. Your Friend And Ours—The Grocer. For Heinz 57 Varieties (Food Products). 6,800; July 10.

Heinz, H. J., Company, Pittsburgh, Pa. What Surprised The Chef. For Heinz 57 Varieties (Food Products). 6,801; July 10.

Hygrade Oil & Fuel Corporation, Buffalo, N. Y. Most Smiles Per Gallon. For Gasoline and Oils. 6,802; July 10.

Jessen, J. Carl, Hollywood, Calif. Motion Picture Memory Contest. For Motion Pictures. 6,803; July 10.

Kaplan, Harry E., doing business as H. E. Kaplan & Co., Chicago, Ill. Eternal Bliss. For Finger Rings. 6,804; July 10.

Little Women Dress Co., New York, N. Y. Little Women Dress Co. For Dresses. 6,805; July 10.

McConnell Manufacturing Company, Newark, N. J. Snap—A Better Hair Waver. For Hair Wavers. 6,806; July 10.

Mannion & Arthur Co., Perth Amboy, N. J. Shoot the Plugs. For Plugs for Cleaning Condenser Tubes. 6,807; July 10.

Moist Piano Company, Chicago, Ill. World's Largest Exclusive Reproducing and Artist Grand Piano House. For Pianos of All Kinds. 6,808; July 10.

Ohio Truss Co., The, Cincinnati, Ohio. Watch Your (In)-Step! For Arch Builders or Supports. 6,809; July 10.

Onyx Hosiery, Inc. (See Emery & Beers Company, Inc. assignor.)

"Onyx" Hosiery, Inc., New York, N. Y. "Onyx" Hosiery. For Hosiery. 6,810; July 10.

Reuter-Barry, Inc., New York, N. Y. Pure enough to Eat. For a Toilet Soap (Reuter's). 6,811; July 10.

Roper, Geo. D., Corporation, Rockford, Ill. Inevitably. For Gas Ranges. 6,812; July 10.

Squibb, E. R., & Sons, New York, N. Y. Protected By Professional Honor. For Drugs. 6,813; July 10.

Squibb, E. R. & Sons, New York, N. Y. It Was Thus Intended. For Drugs. 6,814; July 10.

Squibb, E. R., & Sons, New York, N. Y. Servants Of Science. For Drugs. 6,815; July 10.

Squibb, E. R., & Sons, New York, N. Y. Another great achievement by the Squibb Laboratories. For Squibb's Magnesia Dental Cream. 6,816; July 10.

Turn-Over-Toaster Company, Inc., New York, N. Y. T-O-T Turnover Gas Toaster. For Bread Toasters. 6,817; July 10.

Wilson, Allen J., Kansas City, Mo. Amortized Mortgages, What They Are and Why We Urge Them. For Amortized Mortgages. 6,818; July 10.

ALPHABETICAL LIST OF TRADE-MARK APPLICANTS.

PUBLISHED FOR OPPOSITION.

[Act of Feb. 20, 1905, Sec. 6, as amended Mar. 2, 1907.]

A. L. T. Rustic Company, Belvedere, Ill. Ornamental stonework articles. 177,518; July 10.

Allen, Edward E., Mfg. Co., Chicago, Ill. Wood paste filler, oil colors, enamel, etc. 179,078; July 10.

Allied Golf Company, Chicago, Ill. Golf clubs. 169,272; July 10.

All Star Hosiery Co. (See Robison, Frank.)

American Agriculturist, Inc., New York, N. Y. Periodical publication. 178,204; July 10.

American Bleached Goods Company, Inc., New York, N. Y. Cotton poplins in the piece. 179,255; July 10.

American Electric Equipment Co., Inc., New York, N. Y. Portable electric lamps and parts thereof, etc. 175,754–5; July 10.

American Electric Equipment Co., Inc., New York, N. Y. Portable electric lamps and parts thereof, etc. 175,758; July 10.

American Insecticide Co., The, Lima, Ohio. Insecticide. 177,758; July 10.

Ansco Company, Binghamton, N. Y. Photographic films. 178,797–807; July 10.

Anaconda Copper Mining Company, New York, N. Y. Tubes. 177,062; July 10.

Arabol Manufacturing Co., The, New York, N. Y. Powdered vegetable glues. 179,641–2; July 10.

Arcadia, The. (See Dilas, Harry.)

Artists Brush and Color Corporation, New York, N. Y. Artists' materials. 175,454; July 10.

Atlantic Elevator Company, Inc., Philadelphia, Pa. Hoisting rope and cable. 181,051; July 10.

Atlas China Company, The, Niles, Ohio. Chinaware. 181,104; July 10.

Barbour Flax Spinning Co., Paterson, N. J. Hand and machine sewing linen thread. 179,984; July 10.

Barr, Morris A., Valley Forge, Pa. Semiprecious stones. 179,844; July 10.

Barsa Corporation, The, New York, N. Y. Kimonos, breakfast gowns, etc. 178,021; July 10.

Bartow Beverages, Inc., Nashville, Tenn. Ginger ale. 180,832; July 10.

Be-Neet Manufacturing Co., Inc., New York, N. Y. Hair nets. 180,356; July 10.

Berco Medicine Co. (See Gilbert, Henry S.)

Bernd, G., Company, Macon, Ga. Horse collars. 181,053; July 10.

Bernhard Ulmann Co. Inc., New York, N. Y. Yarns for knitting, crocheting, and art needlework. 180,199; July 10.

Bishop, Arthur W., doing business as King & Winston Products Co., St. Louis, Mo. Pile balm and tablets for disorders of the liver and bowels. 176,710; July 10.

Bloch, Leon, New York, N. Y. Handkerchiefs. 180,413; July 10.

Blue-Ribbon Knitting Mills, Inc., Waltham, Mass. Knitted bathing suits. 175,063; July 10.

Blum & Mittenthal, New York, N. Y. Ladies' hand bags. 179,847; July 10.

Bolduc, George J., doing business as G. J. Bolduc & Company, Portland, Oreg. Cough drops and lozenges. 177,032; July 10.

Bond, Jessie A., doing business as J. & A. Bond, Hamilton, Ontario, Canada. Salve for the relief of eczema, salt rheum, acne, etc. 171,061; July 10.

Bouillonized Peanut Company. (See Craven, Horace G.)

Bownes, Frank, Company, Inc., Lynn, Mass. Varnish. 181,054; July 10.

Breinig Brothers, Inc., Hoboken, N. J. Varnish. 179,654; July 10.

Brown, Michael J., Philadelphia, Pa. Fruit presses. 166,498; July 10.

Butler, J. W., Paper Co., The, Chicago, Ill. Print, book, bond, and writing paper, etc. 180,838; July 10.

Butterfield Fred, & Co. Inc., New York, N. Y. Ginghams in the piece. 165,343; July 10.

Cahill & Malone, doing business as Everite Patch Company, Toledo, Ohio. Tire-repair compounds, adhesives, etc. 179,708; July 10.

Capitol Chemical Company, Somerville, Mass. Stove polish. 162,721; July 10.

Carneal, Edwin E., New Orleans, La. Beverage sold as a soft drink. 179,354; July 10.

Caswell, Bonnie R., Wilmington, Del. Motor saltz. 175,298; July 10.

Chadwick-Boston Lead Company, Boston, Mass. White lead. 175,344; July 10.

Cheney Brothers, South Manchester, Conn. Woven, knitted, netted, etc., silk fabrics in the piece. 180,521; July 10.

Chester Knitting Mills, St. Louis, Mo. Hosiery. 174,654; July 10.

Childs Specialty House, Union City, Tenn. Wearing apparel. 175,849; July 10.

Chipman Knitting Mills, Easton, Pa. Hosiery. 177,359; July 10.

Chloro Chemical Corporation, New York, N. Y. Liquid medicaments and ointments for antiseptic uses, etc. 178,592; July 10.

Cincinnati Cordage & Paper Co., The, Cincinnati, Ohio. Writing paper. 174,554; July 10.

Clar, Ernst, St. Georgental, Czechoslovakia. Rhinestones and chatons. 172,862; July 10.

Cohen & Rosenberger, Inc., New York, N. Y. Bracelets and earrings. 178,224; July 10.

Cole, Albert J., doing business as Three In-One Lantern Company, Denver, Colo. Electric lanterns. 177,036; July 10.

Colloidal Laboratories. (See Novack, Harry J.)

Columbia Products Company. (See Thomas, Otto.)

Cooper, H. H., & Co., Inc., Utica, N. Y. Suits, topcoats, and ulsters for men. 174,560; July 10.

Corso, Vincent M., doing business as The Hare Manufacturing Company, Hartford, Conn. Hair tonics. 176,454; July 10.

Courtney, William P., doing business as Courtney's Red Top Soda Water Co., Oakland, Calif. Soda water. 181,062; July 10.

Craven, Horace G., doing business as Bouillonized Peanut Company, Philadelphia, Pa. Peanuts prepared with meat sauce. 158,815; July 10.

Crooker & Morse, Inc., Bridgewater, Mass. Boots and shoes. 177,428; July 10.

Crutcher, Edwin, doing business as Golden Arrow Hosiery Mills, Nashville, Tenn. Hosiery. 178,958; July 10.

Crystal Chemical Co. Inc., The, New York, N. Y. Powder for nursery and toilet use. 178,554; July 10.

Cumberland Chemical Co., Nashville, Tenn. Tonic compound. 178,166; July 10.

Cumberland Chemical Co., Nashville, Tenn. Tablets and a salve for hemorrhoids. 178,167; July 10.

Custer, John A., doing business as Telltale Hosiery Co., Lonsdale, Pa. Hosiery. 178,227; July 10.

Cuthbert, Richard G., doing business as Globe Radio Mfg. Co., New York, N. Y. Radio receiving and transmitting sets. 173,956; July 10.

Dalton Hosiery Mills, Dalton, Ga. Hosiery. 176,720; July 10.

Danner Co., Portland, Oreg. Metal-polishing compound. 131,017; July 10.

Darling Sweets, Inc., Chicago, Ill. Candy. 172,732; July 10.

David, John, New York, N. Y. Suits, jackets, raincoats, etc. 174,894; July 10.

Dearborn Supply Company, Chicago, Ill. Shampoo preparation. 177,656; July 10.

Dearborn Supply Company, Chicago, Ill. Toilet preparation. 177,657; July 10.

Del Monte-Rickey, New York, N. Y. Sport clothes for women. 174,202; July 10.

De Witt, E. C., & Co., Inc., Chicago, Ill. Preparation for removing corns and calli. 178,597; July 10.

Diamond Food Products Company. (See Sterrick, Harrison D.)

Dickey, William E., Seneca Falls, N. Y. Automatic pneumatic water-supply system. 178,433; July 10.

Dighton, Samuel R., Savannah, Ga. Medicinal preparations for colds and constipation. 178,499; July 10.

Dilas, Harry, doing business as The Arcadia, Bay City, Mich. Candy. 176,731; July 10.

Domestic Electric Company, The, Cleveland, Ohio. Radio apparatus. 169,626; July 10.

Drug Products Co. Inc, The, Long Island City, N. Y. Food tonic and general stimulant to cell metabolism. 166,134; July 10.

Dugan & Hudson Co., Rochester, N. Y. Leather shoes. 175,599; July 10.

Dunhill, Alfred, of London, Inc., New York, N. Y. Pipes, cigar and cigarette holders, and tobacco pouches. 179,263; July 10.

Dutkanych, Theodore F., Chicago, Ill. Cigars. 180,171; July 10.

Eastman Kodak Company, Rochester, N. Y. Photographic shutters. 180,846; July 10.

Eckelkamp, John, doing business as Parkview Electric Company, St. Louis, Mo. Electric time switches, light flashes, transformers, motors, etc. 177,689; July 10.

Egyptian Lacquer Manufacturing Company, The, New York, N. Y. Lacquers, lacquer thinners, and enamels. 179,186; July 10.

PUBLISHED FOR OPPOSITION.

[Act of Feb. 20, 1905, Sec. 6, as amended Mar. 2, 1907.]

Eisenstadt Manufacturing Company, St. Louis, Mo. Bracelets, wristlets, neck chains, watch chains, etc. 180,211; July 10.
Equity Hosiery Mills, New York, N. Y. Hosiery. 179,592; July 10.
Essential Oil Company, New York, N. Y. Essential oils. 178,030; July 10.
Ethicus Prompt Treatment Kit, Inc., New York, N. Y. Preparation for the relief of headache, pain, etc. July 177,729; July 10.
Everite Patch Company. (See Cahill & Malone.)
Farbwerke vorm. Meister Lucius & Bruning, Hochst-on-the-Main, Germany. Chemical products for industrial, scientific, and photographic purposes. 165,584; July 10.
Farfaglia, Joseph, & Co., Canastota, N. Y. Cigars and smoking tobacco. 176,611; July 10.
Feldman, Leo H., New York, N. Y. Package outfit. 174,517; July 10.
Felsenfeld, Jack J., New York, N. Y. Pearls, real and artificial. 180,332; July 10.
First Texas Chemical Manufacturing Company, Dallas, Tex. Preparation for the treatment of all kinds of chronic bronchitis, phthisis, etc. 177,598; July 10.
Foster, Samuel M., Company, Fort Wayne, Ind. Dresses and waists. 178,600; July 10.
Fox River Paper Company, Appleton, Wis. Writing paper. 180,533; July 10.
Franklin Clothes Shop, Inc., Washington, D. C. Men's coats, vests, trousers, and overcoats. 174,134; July 10.
Fraser Milk Products Co., Inc., Fraser, N. Y. Powdered milk and baby foods. 177,480; July 10.
Fritz Radiator Cement Co., Rhineland, Mo. Product to be used in stopping leaks in cooling systems of automobiles, etc. 177,663; July 10.
Futrell, Cicero F., Conway, N. C. Preparation for the treatment of piles. 178,500; July 10.
Garfinkle, Julius, doing business as Julius Garfinkle & Co., Washington, D. C. Suits, dresses, skirts, waists, etc. 174,362; July 10.
Gestetner, D., Limited, London, England. Duplicating apparatus and accessories thereto, etc. 178,175; July 10.
Getz, Vernon C., doing business as The Wonderlay Company, Indianapolis, Ind. Antiseptic drink for chicks. 177,292; July 10.
Gibson, Geo. R., Co., New York, N. Y. Toothbrushes. 165,791; July 10.
Gilbert, Henry S., doing business as Berco Medicine Co., Louisville, Ky. Female general tonic. 177,733; July 10.
Gillen, P. Joseph, doing business as Mentho-Kreoamo Company, Clinton, Ill. Medicinal preparation for pneumonia, flu, colds, etc. 177,294; July 10.
Gimbel Brothers, Inc., New York, N. Y. Table glassware. 180,063; July 10.
Gleckner, W. W., & Sons Co., Canton, Pa. Harness, collars, saddlery, and parts thereof. 179,267; July 10.
Globe Radio Manufacturing Co. (See Cuthbert, Richard G.)
Golden Arrow Hosiery Mills. (See Crutcher, Edwin.)
Goodyear Rubber Company, Middletown, Conn. Rubber boots and shoes and arctic overshoes. 176,337; July 10.
Gotham Corporation, The, New York, N. Y. Preparation for the treatment of constipation and its symptoms. 177,040; July 10.
Grosser, Walter C., doing business as Grosser Mfg. Co., Cleveland, Ohio. Faucets, cocks, etc. 172,592; July 10.
Grossman, Jacob, doing business as Giant Umbrella Co., New York, N. Y. Umbrellas and parasols. 176,342; July 10.
Gude Brothers, Kieffer Company, New York, N. Y. Eggs. 174,440; July 10.
Gude Brothers, Kieffer Company, New York, N. Y. Butter and eggs. 174,442; July 10.
Gude Brothers, Kieffer Company, New York, N. Y. Eggs. 174,443–4; July 10.
H. & S. Products Co., Millville, N. J. Waterproof and antiseptic preparation for the treatment of cuts, cracks, and abrasions of the skin. 177,487; July 10.
Haldy, George P., Cedar Rapids, Iowa. Preparation for the hair and scalp. 177,737; July 10.
Hall, Thralls & Co., Hymera, Ind. Shampoo, scalp and hair oils, dandruff ointment, skin lotion. 175,555; July 10.
Hare Manufacturing Company. (See Corso, Vincent M.)
Hartman, Arthur, New York, N. Y. Shirts. 175,866–8; July 10.
Hawley Knitting Mills, Inc., New York, N. Y. Knitted outer garments. 172,221; July 10.
Hillerich & Bradsby Co., Inc., Louisville, Ky. Baseball bats. 180,431–4; July 10.
Hofbros. W., Co. (See Hoffman Bros.)
Hoffman Bros. Inc., doing business also as Hofbros W. Co., New York, N. Y. Watches, clocks, dials, etc. 171,799; July 10.
Hoffman, Herman B., New York, N. Y. Women's undergarments. 175,193; July 10.
Hoffman, Mrs. Nellie F., Brookings, S. Dak. Medicine for the treatment of hog cholera. 178,504; July 10.
Home Lighting Equipment Corporation, New York, N. Y. Portable electric lamps, parts thereof, etc. 175,792; July 10.
Houbigant, Inc., New York, N. Y. Perfume, toilet water, face, talcum, and sachet powders, face cream, etc. 177,379; July 10.
Howard Hose and Garter Mfg. Co., Los Angeles, Calif. Hosiery and garters. 175,557; July 10.
Hursh, Wm. T., & Conn, Mansfield, Ohio. Vegetable compound and system blood purifier. 176,185; July 10.
Hutton, Asbury B., Philipsburg, Pa. Grease compound for lubricating purposes. 180,069; July 10.
Ide, Geo. P., & Co., Inc., Troy, N. Y. Collars for shirts. 174,012; July 10.
Inecto Incorporation, New York, N. Y. Face cream. 175,990; July 10.
Jacob & Schey, New York, N. Y. Hosiery. 175,357; July 10.
Jenquins Laboratories, The, Chicago, Ill. Cod-liver-oil pills. 178,252; July 10.
Johns, William T., doing business as Texas Chemical & Specialty Co., Fort Worth, Tex. Insecticide and deodorant. 174,902; July 10.
Jo-Lo Rug Cleaning Mfg. Co. (See Swayne, Joseph J.)
Jones, George C., Incorporated, New York, N. Y. Fertilizer. 180,704; July 10.
Jones, John T., doing business as Jones Remedy Co., Grass Valley, Calif. Preparation for relief of colds, coughs, grippe, etc. 172,993; July 10.
Joseph Bros., doing business as United Kimono Co., New York, N. Y. Kimonos, bath robes, petticoats, etc. 175,398; July 10.
Joseph, S., & Son Co., Philadelphia, Pa. Ready-mixed paints, varnishes, fillers, and shellacs. 180,285; July 10.
Kafka, David A., doing business as Midwest Auto Specialty Mfg. Co., St. Paul, Minn. Oil gauges. 181,029; July 10.
Kaplan, Harry E., doing business as H. E. Kaplan & Co., Chicago, Ill. Finger rings. 180,435; July 10.
Kerr Turbine Co., Wellsville, N. Y. Turbines and reduction gears. 177,978; July 10.
King & Winston Products Co. (See Bishop, Arthur W.)
Kirschner, M., & Sons, New York, N. Y. Cloaks, suits, dresses. 178,345–6; July 10.
L & W Mfg. Company, Vincennes, Ind. Medicine for the treatment of ingrowing toenails. 177,445; July 10.
La Fleur Laboratories. (See Levy, Simeon S.)
Larkin Automotive Parts Company, The, Dayton, Ohio. Detachable force-feed lubricating apparatus, parts and fittings thereof. 177,745; July 10.
Levitan, Hyman, Boston, Mass. Artificial pearls. 177,306; July 10.
Levring and Company, Incorporated, St. Louis, Mo. Cheese and butter color. 178,449; July 10.
Levy, Simeon S., doing business as La Fleur Laboratories, Cleveland, Ohio. Hair dressing. 177,854; July 10.
Liebmann's S., Sons, Inc., Brooklyn, N. Y. Malt beverage. 175,360; July 10.
Lionel Corporation, The, New York, N. Y. Electric toys. 163,099; July 10.
Lissauer & Company. (See Mirabeau, Marcel M.)
Listerated Gum Corporation, New York, N. Y. Chewing gum. 178,399; July 10.
Little, George, Limited, Manchester, England. Bacon, hams, and lard. 177,839; July 10.
Lovinger-Schwartz Co., The, Cleveland, Ohio. Ladies' dresses. 179,414; July 10.
McGovern & McGovern, Seattle, Wash. Canned salmon. 176,904; July 10.
Maeshima, Shintaro, Tokyo, Japan. Therapeutical apparatus called oxyhealer used for injecting oxygen into the body. 155,900; July 10.
Mallas Cravis Co., New York, N. Y. Women's and misses' dresses. 176,029; July 10.
Martha Maid Manufacturing Company, Incorporated, Chicago, Ill. Children's dresses. 178,367; July 10.
Master Rule Mfg. Co. Inc., New York, N. Y. Rules, folding rules, extension rules. 177,044; July 10.
Mathews, William H., doing business as The Mathews Medical Company, San Francisco, Calif. Medical tonic for use in the treatment of anæmia, debility, stomach derangements, etc. 177,447; July 10.
Meigs & Co., Inc., Boston, Mass., and Bridgeport, Conn. Overcoats. 179,376; July 10.
Mentho Kreoamo Company. (See Gillen, P. Joseph.)
Merck & Co., New York, N. Y. Soporific. 177,312; July 10.
Metz, H. A., & Co., Inc., New York, N. Y. Dyestuffs. 178,563; July 10.
Miami Optical Co. (See Smith, Noel.)
Michael, John C., Company, Chicago, Ill. Wash dresses and aprons. 177,313; July 10.
Midwest Auto Specialty Mfg. Co. (See Kafka, David A.)
Miller Brothers Company, Chattanooga, Tenn. Hosiery. 179,158; July 10.
Miller, Elmer F., San Francisco, Calif. Paint remover. 166,747; July 10.

PUBLISHED FOR OPPOSITION.

[Act of Feb. 20, 1905, Sec. 6, as amended Mar. 2, 1907.]

Mirabeau, Marcel M., doing business as Lissauer & Company, New York, N. Y. Jewelry. 175,507; July 10.
Mission Hosiery Mills. (See Wittenberg, Armin H.)
Moore, Benjamin, & Co., Jersey City, N. J., and Brooklyn, N. Y. Varnish. 180,769; July 10.
Morrill, Geo. H., Co., Norwood, Mass. Printing ink. 156,499; July 10.
National Food Corporation. (See Sterrick, Harrison D.)
National Shirt Shops, Inc., New York, N. Y. Men's suits, coats, trousers, etc. 177,194; July 10.
Naumkeag Steam Cotton Co., Salem, Mass. Pillowcases. 145,957–8; July 10.
Neuburger & Company, New York, N. Y. Gingham piece goods. 179,314; July 10.
Newman, Marcus & Torchia, Cincinnati, Ohio. Frocks. 178,455; July 10.
Nitrate Agencies Company, New York, N. Y. Fertilizers. 180,486; July 10.
Noesting Pin Ticket Company, Incorporated, Mount Vernon, N. Y. Paper clips. 180,805; July 10.
Novack, Harry J., doing business as Colloidal Laboratories, Philadelphia, Pa. Liquid iodine preparation. 178,626; July 10.
Old Colony Manufacturing Corporation, Taunton, Mass. Cotton yarns. 180,237; July 10.
Optical Specialty Manufacturing Company, Southbridge, Mass. Ophthalmic mountings and parts thereof. 179,548; July 10.
Oregon Brass Works, Portland, Oreg. Journal bearings. 178,273; July 10.
Organ-Iron Medicine Company, Omaha, Nebr. Medicine used in cases of stomach, liver and bladder trouble, etc. 178,459; July 10.
Organ-Iron Medicine Company, Omaha, Nebr. Medicine used in cases of rheumatism, sciatica, etc. 178,460; July 10.
Organ-Iron Medicine Company, Omaha, Nebr. Medicine used in cases of kidney and bladder troubles, etc. 178,461; July 10.
Ortho Manufacturing Company, Inc., New York, N. Y. Liquid dentifrice, a pharmaceutical preparation. 178,276; July 10.
Osterweil Bros. Inc., Newark, N. J. Trunks. 180,771; July 10.
Otis Chemical Company, (not Inc.), Chicago, Ill. Lubricating compounds and greases. 181,087; July 10.
Palisade Manufacturing Company, The, Yonkers, N. Y. Soap. 176,357; July 10.
Parfumerie Lubin. (See Prot, Paul, & Cie.)
Parker-Bridget Company, Washington, D. C. Boys' suits. 171,508; July 10.
Parks, G. M., Company, The, Fitchburg, Mass. Humidity regulators. 179,621; July 10.
Parkview Electric Company. (See Eckelkamp, John.)
Peerless Mfg. Co., The, Norristown, Pa. Toilet paper. 179,678–9; July 10.
Pendle & Rivett Limited, London, England. Cloth and stuffs of wool and worsted. 180,549; July 10.
Penney, J. C., Company, Salt Lake City, Utah, and New York, N. Y. Women's hair nets. 180,491; July 10.
Pennsylvania Salt Manufacturing Company, Philadelphia, Pa. Lye. 176,095–7; July 10.
Philadelphia Storage Battery Co., Philadelphia, Pa. Batteries and battery parts and supplies. 177,617; July 10.
Pierce, S. S., Co., Boston, Mass. Canned fruits and vegetables. 177,995; July 10.
Pollak Bros. Company, The, Fort Wayne, Ind. Dresses and waists. 175,211; July 10.
Pound, George H., doing business as Tress Laboratories, Los Angeles, Calif. Hair tonic. 178,280; July 10.
Primrose Draperies, Inc., New York, N. Y. Bedspreads. 180,493; July 10.
Prot, Paul, & Cie., doing business as Parfumerie Lubin, Paris, France. Perfumes, toilet waters, face powder, etc. 170,086; July 10.
R. & H. E. Co. (See Schilplin, William.)
Radio Motion Picture Phon. Corp., Fall River, Mass., and Long Island City, N. Y. Educational appliances, embracing cabinets within which are disposed radio-receivers, motion-picture projectors, etc. 178,282; July 10.
Radio Stomach Relief Co. (See Rondeau, Francois X.)
Rash, Warren F., Co., Inc., Middlesboro, Ky. Preparation for neuralgia and headache. 177,621; July 10.
Reed, Ernest A., New York, N. Y. Yarns. 179,623; July 10.
Reliance Manufacturing Company, Chicago, Ill. Men's work shirts. 174,753; July 10.
Remiller Co., The, New York, N. Y. Face and hand lotion. 178,472; July 10.
Rheumatum Company. (See Shefftel, Michael W.)
Ringler, William A., Philadelphia, Pa. Receipt books and filing cards for bookkeeping purposes. 160,434; July 10.
Riteweb Manufacturing Company, Inc., Yonkers, N. Y. Athletic and knitted underwear. 178,285–6; July 10.
Ritter, Harry E., & Mary V. Gordon, Selinsgrove, Pa. Cancer salve. 176,917; July 10.
Robischon Corporation, New York, N. Y. Hosiery. 179,557; July 10.
Robison, Frank, doing business as All Star Hosiery Co., Birmingham, Ala. Silk hosiery and knitted or woven silk underwear. 179,166; July 10.
Rondeau, Francois X., doing business as Radio Stomach Relief Co., Brockton, Mass. Stomach preparation. 165,035; July 10.
Rood Candy Company, The, doing business as Roods, Pueblo, Colo. Candy. 162,581; July 10.
Safe-T-Stat Co., The, Philadelphia, Pa. Thermoelectric temperature indicators. 180,143; July 10.
Salon Viennese, New York, N. Y. Facial oil and ointment. 178,570; July 10.
San Antonio Drug Co., San Antonio, Tex. Sirup for the relief of coughs, colds, and bronchitis. 176,656; July 10.
San-I-Sal Laboratories, Inc., Washington, D. C. Preparation for the prevention of excessive perspiration. 177,519; July 10.
Saturn Mfg. & Sales Co. Inc., New York, N. Y. Electric and radio telephone jacks, plugs, and connections. 171,473; July 10.
Schilplin, William, doing business as R. & H. E. Co., Seattle, Wash. Roach-destroying composition. 177,697; July 10.
Schoiderer & Aug., Inc., New York, N. Y. Men's and young men's suits and overcoats. 174,979; July 10.
Schrader's, A., Son, Incorporated, Brooklyn, N. Y. Pneumatic valves, valve insides, etc. 171,512; July 10.
Schrader's, A., Son, Incorporated, Brooklyn, N. Y. Fluid-pressure gauges, indicators, etc. 180,084; July 10.
Schrader's, A., Son, Incorporated, Brooklyn, N. Y. Ice bags and syringe fixtures. 180,243; July 10.
Schwartz, David, Company, Inc., New York, N. Y. Cotton goods in the piece. 180,558; July 10.
Schwarze, Carl A., doing business as Sindol Co., Woodhaven, N. Y. Face powders and cream, perfumes, toilet waters, etc. 178,676; July 10.
Sethness Company, Chicago, Ill. Beverage sold as a soft drink and sirups for making same. 175,681; July 10.
Sewall Paint & Glass Company, Kansas City, Mo. Varnishes, varnish stain, enamels, etc. 180,814; July 10.
Shannon, J. Jacob, & Co., Philadelphia, Pa. Derricks, cranes, steam shovels, parts thereof, etc. 176,049; July 10.
Shapiro, Louis, doing business as Louis Shapiro & Co., New York, N. Y. Men's ready-made suits and overcoats. 177,626–7; July 10.
Shaw, Frederick G., Brooklyn, N. Y. Cream to be applied to the skin as an insect repellent. 176,505; July 10.
Shefftel, Michael W., doing business as Rheumatum Company, Stigler, Okla. Liniment for rheumatism, bruises, etc. 177,111; July 10.
Sindol Co. (See Schwarze, Carl A.)
Slenter, John C., Co., Inc., New York, N. Y. Tablecloths, napkins, doilies, etc. 177,701; July 10.
Smith, Noel, doing business as Miami Optical Co., Miami, Fla. Lenses, eyeglasses, and spectacles. 180,815; July 10.
Smith Oil & Refining Company, Rockford, Ill. Lubricating oils and greases. 180,628; July 10.
Smith Oil & Refining Company, Rockford, Ill. Cutting oil. 180,629; July 10.
Société Rodier, Paris, France. Piece goods of silk, cotton, and wool and mixtures. 180,504; July 10.
Société Rodier, Paris, France. Piece goods of silk, cotton, and wool and mixtures. 180,506; July 10.
Southern Specialty Company, Thomasville, Ga. Insecticide. 178,292–3; July 10.
Stamper & Kaiser, New York, N. Y. Hosiery. 177,630; July 10.
Stanard, O. L., Dry Goods Co., Huntington, W. Va. Hair nets. 179,491; July 10.
Standard Oil Company of New York, New York, N. Y. Petroleum jelly. 178,146; July 10.
Standard Tent & Awning Company, The, doing business as The Standard Garment Company, Toledo, Ohio. Working pants, overalls, jumpers, etc. 174,943; July 10.
Steelcraft Corporation of America, Cleveland, Ohio. Safes. 179,890; July 10.
Stephens-Bradley Company, Lindale, Ga. Kidney and bladder pills. 177,462; July 10.
Stern, Merritt Co., Inc., New York, N. Y. Neckties. 175,893–4; July 10.
Sterrick, Harrison D., doing business as Diamond Food Products Company and National Food Corporation, Pittsburgh, Pa. Combination of malt extracts for beverage purposes. 154,939; July 10.
Stolz Bros. Davis Company Incorporated, Syracuse, N. Y. Cough mixture. 176,227; July 10.
Superior Athletic Underwear Company, The, Piqua, Ohio. Union and combination suits, undershirts, underdrawers. 174,642; July 10.
Swayne, Joseph J., doing business as Jo-Lo Rug Cleaning Mfg. Co., Philadelphia, Pa. Compound for cleaning rugs. 175,970; July 10.
T-N-T Spark Plug Company, The, Cleveland, Ohio. Spark plugs. 175,225; July 10.
Taneyhill, Joseph O., New York, N. Y. Crystallized and preserved ginger, chutney, honey, etc. 174,757; July 10

PUBLISHED FOR OPPOSITION.

[Act of Feb. 20, 1905, Sec. 6, as amended Mar. 2, 1907.]

Tappan Stove Co., The, Mansfield, Ohio. Electric ranges and stoves. 172,449; July 10.
Tauber, Lipton & Company, Inc., New York, N. Y. Shirts, pyjamas, and nightshirts. 173,612; July 10.
Taylor Instrument Companies, Rochester, N. Y. Barometers. 179,495; July 10.
Taylor, Sterling P., doing business as Taylor Drug Company, Mineral Wells, Tex. Liquid dandruff remover. 178,575; July 10.
Tebbetts and Garland Store, The, Chicago, Ill. Aluminum teapots. 171,599; July 10.
Tebbetts and Garland Store, The, Chicago, Ill. Aluminum percolators. 171,600; July 10.
Telltale Hosiery Co. (See Custer, John A.)
Texas Chemical & Specialty Co. (See Johns, William T.)
Textile Shirt Company, The, Cincinnati, Ohio. Men's dress and negligee shirts. 179,239; July 10.
Thoma, Otto, doing business as Columbia Products Company, St. Louis, Mo. Malt extract. 179,241; July 10.
Thomas, D. W., Incorporated, Seattle, Wash. Artificial pearls. 179,975; July 10.
Thomas, Elizabeth M., doing business as E. M. Thomas Company, St. Louis, Mo. Ladies' and misses' dresses. 179,688; July 10.
Three-In-One Lantern Company. (See Cole, Albert J.)
Tress Laboratories. (See Pound, George H.)
Turner & Seymour Manufacturing Co., The, Torrington, Conn. Egg beaters. 178,580; July 10.
Twellsick, Gustaf, doing business as August Reutershan, Solingen, Germany. Tin openers, corkscrews, etc. 164,843; July 10.
Unchokeable Pump, Limited, London, England. Pumps. 177,252; July 10.
United Kimono Co. (See Joseph Bros.)
Unruh H. P. Co., The, Chanute, Kans. Germicidal remedy for colds, cuts, burns, etc. 155,940; July 10.
Vita-Sulphur Company, Chicago, Ill. Medicinal preparation for rheumatism, neuritis, sciatica, gout, etc. 177,639; July 10.
Voorhees, Joseph P., East Orange, N. J. Hosiery. 178,314; July 10.
Waples-Platter Grocer Co., Fort Worth, Tex. Canned and bottled goods. 175,287; July 10.
Warmbirds, Inc., New York, N. Y. Woolens and worsteds in the piece. 180,312; July 10.
Washington Manufacturing Co., Nashville, Tenn. Work shirts and overalls. 179,502; July 10.
Waymart Knitting Mill, Waymart, Pa. Sweater coats. 178,199; July 10.
Weisbaum Bros.-Leininger Company, The, Cincinnati, Ohio. Neckties. 179,632; July 10.
Wilber, M., Dyer Company, The, New York, N. Y. Pyjamas. 179,463; July 10.
Williams & Robechaud, Milwaukee, Wis. Auto locks. 180,570; July 10.
Wilson Welder & Metals Company, Inc., New York, N. Y. Electric welding machines, cables, resistance units, etc. 118,198; July 10.
Winarick, Arthur, New York, N. Y. Face powders, face creams, perfumes, etc. 177,720; July 10.
Wish, Fred A., Incorporated, New York, N. Y. Stationery. 180,641; July 10.
Wittenberg, Armin H., doing business as Mission Hosiery Mills, Los Angeles, Calif. Hosiery, sweaters, and knitted underwear. 178,321; July 10.
Wizard Lightfoot Appliance Company, St. Louis, Mo. Zinc-oxide pads. 178,322; July 10.
Wonderlay Company, The. (See Getz, Vernon C.)
Woods, Ernest W., Los Angeles, Calif. Liquid waterproof refinisher. 177,886; July 10.
Worumbo Manufacturing Company, Bath, Me. Woolen goods in the piece. 180,351; July 10.
Wright, G. F., Steel & Wire Company, Worcester, Mass. Wire rope and clothesline. 169,510; July 10.
Wnest, Andrew A., Cincinnati, Ohio. Boys' and girls' hosiery. 177,419; July 10.
Zigelman, M., St. Louis, Mo. Malt sirup. 178,083; July 10.

CLASSIFIED LIST OF TRADE-MARKS REGISTERED.

CLASS 1.

Gravel, Paving. Allen Gravel Company. 170,112; July 10; Serial No. 159,670; published Apr. 3, 1923.
Leather. C. G. Fleckenstein Company. 169,974; July 10; Serial No. 166,362; published Apr. 10, 1923.
Lime, Hydrated. Charles Warner Company. 170,222; July 10; Serial No. 154,344; published Apr. 10, 1923.
Skins, Dyed animal. Joseph Hollander, Inc. 169,977; July 10; Serial No. 166,741; published Apr. 10, 1923.

CLASS 2.

Bags, Laundry. Tingue Brown & Co. 170,226; July 10; Serial No. 174,788; published Apr. 3, 1923.
Bags, Mailing. Milwaukee Bag Co. 170,300; July 10; Serial No. 176,638; published Apr. 10, 1923.
Box or crate, Wall section for. G. X. Wendling. 170,349; July 10.
Containers. F. X. Eberle. 170,201; July 10; Serial No. 172,936; published Apr. 3, 1923.
Packages, Toilet. F. P. Hudnall. 170,063; July 10; Serial No. 172,045; published Apr. 3, 1923.
Paper cans. Union Paper Company. 170,356; July 10.
Paper cartons. Standard Paper Company. 170,302; July 10; Serial No. 176,649; published Apr. 10, 1923.
Paper towels, napkins, etc., Dispensing devices for. Independent Paper Mills, Inc. 170,329; July 10; Serial No. 176,186; published Apr. 3, 1923.
Paper tubes to be used with explosive powder in blasting. Clark Patent Tubing Co. 170,043; July 10; Serial No. 175,069; published Apr. 10, 1923.
Plates, Wooden. Oval Wood Dish Corporation. 170,180; July 10; Serial No. 176,204; published Apr. 10, 1923.
Receptacles for gloves, handkerchiefs, lingerie, and sewing materials. Tin Decorating Company of Baltimore. 170,114; July 10; Serial No. 160,165; published Apr. 3, 1923.
Sewing case. B. S. Schwed. 170,202; July 10; Serial No. 173,010; published Apr. 3, 1923.
Toothbrush containers. F. T. Conley. 170,295; July 10; Serial No. 175,771; published Apr. 17, 1923.

CLASS 3.

Portfolios (brief cases). New Process Company. 170,304; July 10; Serial No. 176,496; published Apr. 10, 1923.
Suit cases. New Process Company. 170,305–6; July 10; Serial Nos. 176,494–5; published Apr. 10, 1923.

CLASS 4.

Preparation for whitening and coloring buckskin leather. Joseph Pickering & Sons. 18,578; renewed Nov. 4, 1920.
Preparation to be applied to linen collars for presenting to the collar a new and fresh appearance. W. L. Scholl. 170,331; July 10.

CLASS 5.

Adhesive in the form of paste. Commercial Paste Co. 170,299; July 10; Serial No. 176,788; published Apr. 10, 1923.
Pastes, Dry. Penn Paste Milling Company. 170,134; July 10; Serial No. 160,255; published Apr. 10, 1923.
Rubber tissue for reenforcing, stiffening, and waterproofing of garments, etc. Edward P. Stabel & Co. 170,244; July 10; Serial No. 174,676; published Apr. 10, 1923.
Tires, Compound for preventing puncture in penumatic. C. V. Crumley. 170,301; July 10; Serial No. 176,606; published Apr. 10, 1923.
Tires, etc., Rubber preparation for repairing automobile. J. J. McBride. 170,358; July 10.

CLASS 6.

Antineuralgics. Farbenfabriken vorm. Friedr. Bayer & Co. 170,274; July 10; Serial No. 173,923; published Apr. 10, 1923.
Antiseptic and prohpylactic tablets. Societe Anonyme la Biotherapie, (Societe Anonyme de Produits Chimiques Biologiques et d'Hygiene). 170,249; July 10; Serial No. 171,290; published Mar. 27, 1923.
Antiseptic lotion for treatment of the scalp and skin. E. B. Finlayson. 170,008; July 10; Serial No. 172,830; published Apr. 3, 1923.
Astringents and mild antiseptics. H. A. Metz Laboratories, Inc. 170,191; July 10; Serial No. 173,434; published Apr. 3, 1923.
Blue, Washing. P. Diamond. 21,903; renewed Nov. 1, 1922.
Capsules for the relief of bladder complaints, spasmodic asthma, heart pains, etc. P. F. Deford. 169,984; July 10; Serial No. 167,914; published Apr. 10, 1923.
Carbon remover. C. T. H. Clifford. 170,144; July 10; Serial No. 163,333; published Apr. 10, 1923.
Chemicals. Semet-Solvay Company. 170,279; July 10; Serial No. 173,251; published Apr. 10, 1923.
Chemicals, medicines, and pharmaceutical preparations. Wm. H. Gross Chemical Company. 170,097; July 10; Serial No. 169,295; published Apr. 10, 1923.
Cologne and toilet waters, perfumes, etc. N. V. International Perfumery Company. 170,206; July 10; Serial No. 173,294; published Mar. 27, 1923.

Cologne waters, bath salts, face clays, etc. Marschat Import Co. 170,081; July 10; Serial No. 167,530; published Apr. 3, 1923.
Compositions for exterminating moths. Farbenfabriken vorm. Friedr. Bayer & Co. 170,038; July 10; Serial No. 173,925; published Apr. 10, 1923.
Cream and cleansing or cold cream, Vanishing. Charm-U Co. 169,983; July 10; Serial No. 167,838; published Apr. 10, 1923.
Cream, complexion powder, perfume, and toilet water, Cold. Lady Janis Perfume Co. 170,028; July 10; Serial No. 173,652; published Apr. 10, 1923.
Cream, hair grower, and corn remedy, Cold, vanishing, and bleaching. R. W. Hunter. 170,080; July 10; Serial No. 167,520; published Mar. 20, 1923.
Creams, shaving and beauty lotions, etc., Almond massage and other. E. M. Munson. 170,084; July 10; Serial No. 168,057; published Apr. 3, 1923.
Dandruff remover. H. E. Del Sordo. 170,025; July 10; Serial No. 173,593; published Apr. 10, 1923.
Deodorants. P. K. Hornsby. 170,108; July 10; Serial No. 157,923; published Apr. 3, 1923.
Dye, Oil leather. Benton Holladay & Co. 170,061; July 10; Serial No. 172,195; published Apr. 3, 1923.
Fire-extinguishing powders. C. R. Marstin. 170,148; July 10; Serial No. 168,272; published Apr. 3, 1923.
Hæmostatics. Farbenfabriken vorm. Friedr. Bayer & Co. 170,275; July 10; Serial No. 173,922; published Apr. 10, 1923.
Hair dressing and dandruff remedy. A. J. Krank. 170,192–3; July 10; Serial Nos. 173,427–8; published Apr. 3, 1923.
Hair pomade, preparation for beautifying the hair, shampoo, etc. D. A. Jones. 170,121; July 10; Serial No. 163,991; published Mar. 27, 1923.
Heterocylic compounds. M. Freiberger. 170,086; July 10; Serial No. 168,258; published Apr. 3, 1923.
House-fly killer, liquid roach killer, liquid mosquito killer and repellant, etc. N. E. Morgan. 170,060; July 10; Serial No. 172,388; published Apr. 3, 1923.
Insect exterminator. W. H. Metzger. 170,122; July 10; Serial No. 164,180; published Apr. 3, 1923.
Liquid preparation for treatment of asthma. K. Karas. 169,978; July 10; Serial No. 166,836; published Apr. 10, 1923.
Liquors, Aging and softening chemical powder for. F. D. Burhop. 170,251; July 10; Serial No. 171,196; published Apr. 3, 1923.
Lotion for external application. Abraham & Straus, Inc. 170,009; July 10; Serial No. 172,813; published Apr. 3, 1923.
Lotions, Face. I. Auld. 170,196; July 10; Serial No. 173,393; published Apr. 3, 1923.
Manicure preparation. G. E. Koholt. 170,033; July 10; Serial No. 173,711; published Apr. 10, 1923.
Medicinal powder, Suppurative, Sharp & Dohme. 170,247; July 10; Serial No. 171,596; published Apr. 3, 1923.
Medicinal preparation for asthma, etc. E. Bilhuber, Inc. 170,032; July 10; Serial No. 173,695; published Apr. 10, 1923.
Medicinal preparation for the treating of croup, colds, and inflammation. S. Pfeiffer Mfg. Co. 170,205; July 10; Serial No. 173,207; published Mar. 27, 1923.
Medicinal preparation in the nature of a purgative and liver medicine. J. G. Williams. 170,104; July 10; Serial No. 168,626; published Apr. 10, 1923.
Medicinal preparation used in the treatment of carbuncles, etc. Nettle-Beall Hinkle. 170,065; July 10; Serial No. 171,844; published Mar. 27, 1923.
Medicine, Asthma. Asthma-Tol Co. 169,990; July 10; Serial No. 137,598; published Dec. 26, 1922.
Medicine for the blood and stomach. I. Paul. 170,082; July 10; Serial No. 167,533; published Apr. 3, 1923.
Medicine for treating high blood pressure, etc. H. C. Fitzer. 170,253; July 10; Serial No. 171,160; published Mar. 27, 1923.
Medicine for treatment of tuberculosis, chronic coughs, colds, etc. W. C. King. 170,017; July 10; Serial No. 172,477; published Apr. 3, 1923.
Medicine, Veterinary. N. F. Tate. 170,149; July 10; Serial No. 168,287; published Mar. 20, 1923.
Medicines for rheumatism, backache, etc., and insecticides. Duncan Chemical Co. 170,151; July 10; Serial No. 168,518; published Apr. 3, 1923.
Mouth wash. H. M. Donahue. 170,064; July 10; Serial No. 171,908; published Apr. 3, 1923.
Oil for medicinal purposes, White mineral. Sherwood Petroleum Company. 170,198–9; July 10; Serial Nos. 173,368–9; published Apr. 3, 1923.
Oils and essences for deodorizing and purifying the air, Ethereal. Perolin Fabrikationsgesellschaft m. b. H. 170,215; July 10; Serial No. 146,780; published Apr. 10, 1923.
Ointment for the treatment of piles, fistula, constipation, etc. J. C. McCarthy. 170,034; July 10; Serial No. 173,840; published Apr. 10, 1923.
Ointments and liniments. A. H. Hinkson. 170,014; July 10; Serial No. 172,593; published Apr. 3, 1923.
Parasiticides. Farbenfabriken vorm. Friedr. Bayer & Co. 170,276–7; July 10; Serial Nos. 173,920–1; published Apr. 10, 1923.
Perfume, toilet water, hair tonic, etc. Karlsruher Parfumerie & Toiletteseifen-Fabrik F. Wolff & Sohn, G. m. b. H. 169,999; July 10; Serial No. 152,758; published Apr. 3, 1923.
Perfume, toilet water, rouges, face and talcum powder, etc. E. Daltroff & Cie. 170,278; July 10; Serial No. 173,916; published Apr. 10, 1923.
Piles, Internal treatment of. Happy Thought Remedy Co. 170,026; July 10; Serial No. 173,596; published Apr. 10, 1923.
Plasters, Corn. J. J. Newman. 170,036; July 10; Serial No. 173,851; published Apr. 10, 1923.
Preparation for internal and external use for the alleviation of pain, etc. F. H. Bryant. 170,263; July 10; Serial No. 170,423; published Apr. 3, 1923.
Preparation for the alleviation of baldness and the restoration and preservation of the hair. C. Nickels. 170,019; July 10; Serial No. 172,431; published Mar. 27, 1923.
Preparation for use as blood regeneration, etc., Neutral iron. A/S Ferrosan. 170,074; July 10; Serial No. 166,216; published Mar. 20, 1923.
Preparation of acid reaction for preventing rust. American Chemical Paint Company. 170,006; July 10; Serial No. 156,955; published Apr. 3, 1923.
Pyorrhea remedy. Daugherty & Jackson. 170,012; July 10; Serial No. 172,666; published Apr. 3, 1923.
Remedy for corns, calli, and warts. S. Holzman. 170,259; July 10; Serial No. 170,818; published Apr. 3, 1923.
Remedy for diseases in poultry. Thos. Southard Poultry Supply Co. 169,980; July 10; Serial No. 167,337; published Apr. 10, 1923.
Remedy, Prophylactic. Reese Chemical Co. 170,127; July 10; Serial No. 155,122; published Apr. 10, 1923.
Remedy used for the treatment of distemper in dogs. Dr. W. D. Jensen. 169,986; July 10; Serial No. 167,943; published Apr. 10, 1923.
Rubber Manufacturing, Dry-color for use in. Ault & Wiborg Co. 170,079; July 10; Serial No. 167,285; published Apr. 3, 1923.
Salve and cough drops. O. V. Gallagher. 170,075; July 10; Serial No. 166,227; published Mar. 27, 1923.
Salve, Corn. M. L. Wilson. 169,972; July 10; Serial No. 165,251; published Apr. 10, 1923.
Salve for sore and calloused feet, Healing. A. Michel. 170,189; July 10; Serial No. 173,521; published Apr. 3, 1923.
Salve for the treatment of catarrh, sore throat, etc. H. E. Capdau. 170,165; July 10; Serial No. 169,888; published Apr. 3, 1923.
Salves, washes, and ointments. A. A. Gasaway. 170,167; July 10; Serial No. 170,062; published Mar. 20, 1923.
Solution for the treatment of inflamed, tender, or bleeding gums, pyorrhea, etc. J. W. Behrendt. 170,188; July 10; Serial No. 173,554; published Apr. 3, 1923.
Spreader to be added to spray, Calcium-caseinate. J. F. Littooy. 170,135; July 10; Serial No. 161,263; published Apr. 10, 1923.
Steel, Liquid used in heat-treating. Nypros Steel Company. 170,264; July 10; Serial No. 170,264; published Apr. 3, 1923.
Toilet preparations. E. J. O'Connor. 170,257; July 10; Serial No. 170,947; published Mar. 20, 1923.
Tonic. R. J. Strasenburgh Company. 170,031; July 10; Serial No. 173,686; published Apr. 10, 1923.
Tonic and general stimulant. Mellier Drug Company. 17,784; renewed Apr. 15, 1920.
Tonic compound. Purdue Frederick Company. 23,794; renewed Nov. 7, 1923.
Tonic for use upon the scalp or skin. E. D. Schneider. 170,254; July 10; Serial No. 171,140; published Apr. 3, 1923.
Tonic, General. Sudermann & Co. 170,111; July 10; Serial No. 159,772; published Mar. 20, 1923.
Tonic to assist the digestion of food in the stomach. G. Code. 170,011; July 10; Serial No. 172,663; published Apr. 3, 1923.
Tonics and conditioners, Stock and poultry. Prairie Remedy Co. 170,214; July 10; Serial No. 146,397; published Apr. 10, 1923.
Tooth paste. J. W. Covington. 170,035; July 10; Serial No. 173,811; published Apr. 10, 1923.
Tooth paste and tooth cleanser, and a preparation for the treatment of pyorrhea. A. A. Hatfield. 170,083; July 10; Serial No. 167,676; published Apr. 3, 1923.
Toothache medicine. Barnard Manufacturing Company. 170,195; July 10; Serial No. 173,394; published Apr. 3, 1923.
Vulcanization accelerators. Farbenfabriken vorm Friedr. Bayer & Co. 170,039; July 10; Serial No. 173,926; published Apr. 10, 1923.
Water-softening compound. Sierra Chemical Company. 170,004; July 10; Serial No. 156,721; published Mar. 6, 1923.
Wax, Laundry. Brun Mfg. Co. 170,085; July 10; Serial No. 168,201; published Apr. 3, 1923.
Wrinkle remover, depilatory, deodorant, etc. H. Bizzoni. 170,059; July 10; Serial No. 172,412; published Mar. 27, 1923.

CLASS 7.

Cordage. Hooven & Allison Company. 170,000; July 10; Serial No. 154,515; published Apr. 3, 1923.
Rope. Columbian Rope Company. 170,136; July 10; Serial No. 161,619; published Apr. 10, 1923.
Wire rope and chain. George Cradock & Co. 23,103; renewed May 23, 1923.

CLASS 8.

Paper, Cigarette. E. M. Branchley. 170,307; July 10; Serial No. 176,445; published Apr. 10, 1923.

CLASS 9.

Fireworks. National Fireworks Manufacturing Company. 170,131; July 10; Serial No. 158,942; published Apr. 10, 1923.
Shells, Shot. Western Cartridge Company. 169,970; July 10; Serial No. 164,285; published Apr. 3, 1923.

CLASS 10.

Fertilizers. Rogers & Hubbard Company. 170,076; July 10; Serial No. 166,713; published Apr. 3, 1923.

CLASS 12.

Cement and stucco, Building. National Kellastone Co. 170,126; July 10; Serial No. 155,028; published Aug. 29, 1922.
Insulating paper. Barrett Company. 170,200; July 10; Serial No. 173,345; published Apr. 3, 1923.
Lumber. J. H. Burton & Sons Co. 170,194; July 10; Serial No. 173,400; published Apr. 3, 1923.
Refractory materials. Pyro Clay Products Company. 170,216; July 10; Serial No. 148,891; published Jan. 24, 1922.

CLASS 13.

Bibs. Quick-compression. E. Stebbins Manufacturing Company. 170,238; July 10; Serial No. 174,271; published Apr. 3, 1923.
Curtain brackets. J. H. Rogers. 170,260; July 10; Serial No. 170,729; published Apr. 3, 1923.
Nails. American Steel and Wire Company of New Jersey. 170,153; July 10; Serial No. 168,594; published Apr. 3, 1923.
Window adjusters, Casement-. Miami Manufacturing Co. 170,190; July 10; Serial No. 173,520; published Apr. 3, 1923.

CLASS 14.

Alloy, Nickel-chrome. Henry Wiggin & Company Limited. 170,285; July 10; Serial No. 172,706; published Apr. 17, 1923.
Alloy, Nickel-chrome-steel. Henry Wiggin & Company Limited. 170,284; July 10; Serial No. 172,709; published Apr. 17, 1923.
Alloys, Nickel-copper. Henry Wiggin & Company Limited. 170,283; July 10; Serial No. 172,708; published Apr. 17, 1923.
Die-casting metal and die castings. Doehler Die-Casting Co. 170,242; July 10; Serial No. 174,562; published Apr. 3, 1923.
Gold, platinum, palladium, and silver metals and solder and rolled sheets and plates. American Platinum Works. 170,197; July 10; Serial No. 173,392; published Apr. 3, 1923.
Metal and anti-friction journal bearings, Babbitt-. Theodore Hlertz & Son. 22,658; renewed Mar. 14, 1923.
Metals and alloys and ingots, castings, sheets, etc. Anaconda Copper Mining Company. 170,147; July 10; Serial No. 164,291; published Apr. 3, 1923.
Platinum in bars, sheets, etc., and platinum solder. Dinhofer Bros. Inc. 170,232; July 10; Serial No. 173,919; published Apr. 3, 1923.
Steel bars and billets. A. P. Scripture. 170,314; July 10; Serial No. 175,328; published Apr. 3, 1923.
Steel rods. Globe Wire Co. 170,228; July 10; Serial No. 174,772; published Apr. 3, 1923.
Wires, Resistance. Henry Wiggin & Company Limited. 170,090; July 10; Serial No. 170,345; published Apr. 17, 1923.

CLASS 15.

Gasoline, kerosene, lubricating oil, and gas oil. Petroleum Export Corporation. 170,178; July 10; Serial No. 176,210; published Apr. 10, 1923.
Gasoline, kerosene, naphtha, etc. Get-Gas Service Stations, Inc. 170,130; July 10; Serial No. 158,391; published Apr. 10, 1923.
Kerosene. Miller Petroleum Company. 170,053; July 10; Serial No. 175,673; published Apr. 10, 1923.
Kerosene and gasoline, and lubricating oil. Petroleum Export Corporation. 170,175; July 10; Serial No. 176,211; publishd Apr. 10, 1923.
Lubricant or grease. Pittsburgh Oil Refining Corporation. 170,213; July 10; Serial No. 144,423; published Sept. 19, 1922.
Lubricants. Carbide & Carbon Chemicals Corporation. 170,324; July 10; Serial No. 175,710; published Apr. 3, 1923.
Naphtha. Miller Petroleum Company. 170,181; July 10; Serial No. 176,200; published Apr. 10, 1923.
Oil and grease, Lubricating. D. J. Lowry. 170,246; July 10; Serial No. 171,584; published Apr. 3, 1923.
Oil, Crank-case-flushing. American Oil Company. 170,245; July 10; Serial No. 171,719; published Apr. 3, 1923.
Petroleum and petroleum products. Standard Oil Company of New York. 170,303; July 10; Serial No. 176,506; published Apr. 10, 1923.
Petroleum and products of petroleum. Standard Oil Company of New York. 170,325–6; July 10; Serial Nos. 175,959–60; published Apr. 3, 1923.
Petroleum and products of petroleum. Standard Oil Company of New York. 170,327; July 10; Serial No. 175,965; published Apr. 3, 1923.
Petroleum and products of petroleum. Standard Oil Company of New York. 170,328; July 10; Serial No. 175,968; published Apr. 3, 1923.
Petroleum, Volatile compound derived from. Gilmore Petroleum Company. 169,975; July 10; Serial No. 166,557; published Apr. 10, 1923.

CLASS 16.

Oils for painted, varnished and lacquered surfaces, Polishing. R. Douglas. 169,947; July 10; Serial No. 174,429; published Apr. 10, 1923.
Paint enamel, White. Paramount Paint & Varnish Co. 170,048; July 10; Serial No. 175,209; published Apr. 10, 1923.
Paint, fiber roof paint, varnish, paint enamel, etc., Wagon. Progress Paint Mfg. Co. 170,293; July 10; Serial No. 176,043; published Apr. 17, 1923.
Paint, Lead, oil, and zinc. M. J. Merkin Paint Co. Inc. 169,950; July 10; Serial No. 174,583; published Apr. 10, 1923.
Paint, Ready-mixed. Paramount Paint & Varnish Co. 170,047; July 10; Serial No. 175,208; published Apr. 10, 1923.
Paints, Liquid and paste. Pittsburgh Plate Glass Company. 170,296; July 10; Serial No. 175,518; published Apr. 17, 1923.
Paints, varnishes, paint enamels. Enterprise Paint Mfg. Co. 170,267; July 10; Serial No. 174,829; published Apr. 17, 1923.
Paints, varnishes, paint enamels. Enterprise Paint Mfg. Co. 170,268; July 10; Serial No. 174,827; published Apr. 17, 1923.
Polish, Furniture. J. E. Smith. 170,319; July 10; Serial No. 175,529; published Apr. 3, 1923.
Polishes, Furniture and automobile. Mansfield Chemical Company. 169,971; July 10; Serial No. 164,600; published Apr. 10, 1923.
Turpentine substitutes. Newport Company. 170,058; July 10; Serial No. 175,940; published Apr. 10, 1923.
Varnish. Pittsburgh Plate Glass Company. 170,318; July 10; Serial No. 175,517; published Apr. 3, 1923.
Varnishes. Remien & Kuhnert Co. 170,055; July 10; Serial No. 175,885; published Apr. 10, 1923.
Varnishes, paint enamels, varnish stains. Murphy Varnish Company. 170,224; July 10; Serial No. 154,986; published Apr. 10, 1923.

CLASS 17.

Cigarettes. Penn Tobacco Company. 169,959; July 10; Serial No. 174,702; published Apr. 10, 1923.
Cigars. Peoples Drug Stores, Inc. 170,107; July 10; Serial No. 157,690; published Apr. 3, 1923.
Cigars. S. Rodriguez. 170,187; July 10; Serial No. 178,360; published May 8, 1923.
Cigars, cheroots, and cigarettes. C. Fernandez. 170,240; July 10; Serial No. 174,432; published Apr. 3, 1923.
Cigars, cigarettes, and smoking tobacco. R. C. Importation Corporation. 170,231; July 10; Serial No. 173,857; published Apr. 3, 1923.

CLASS 19.

Automobile bodies. Fisher Body Corporation. 170,152; July 10; Serial No. 168,464; published Apr. 3, 1923.
Automobile steering-gear control wheels. Rollaway Motor Company. 170,140; July 10; Serial No. 162,853; published Apr. 10, 1923.
Mirrors for vehicles, windshield wings, shock absorbers, etc. Trico Products Corporation. 170,258; July 10; Serial No. 170,910; published Apr. 3, 1923.
Recoil checkers. H. G. Cloyes. 170,106; July 10; Serial No. 168,102; published Apr. 10, 1923.
Trucks and trailers, Industrial. Colby Steel and Engineering Co. 169,994; July 10; Serial No. 142,775; published Apr. 3, 1923.
Vehicles, Mirrors for motor. Kales Stamping Company. 170,013; July 10; Serial No. 172,597; published Apr. 3, 1923.

CLASS 20.

Oil cloth. Julius Wile Sons & Co. 170,054; July 10; Serial No. 175,829; published Apr. 3, 1923.
Rubber-composition floor covering. Hupp Products Company, The. 170,046; July 10; Serial No. 175,196; published Apr. 10, 1923.

CLASS 21.

Batteries, Vitalis Products, Incorporated. 170,133; July 10; Serial No. 159,735; published June 13, 1922.
Batteries, Electric. Englert Manufacturing Co. 170,218; July 10; Serial No. 152,609; published Apr. 3, 1923.

Binding posts, telephone test connectors, etc., Spring. Fahnestock Electric Co. 170,345; July 10.
Dynamos, electromotors and parts thereof, electrical apparatus. Deutsche Elektrizitäts-Werke zu Aachen-Garbe, Lahmeyer & Co.-Aktiengesellschaft. 170,141; July 10; Serial No. 162,985; published Apr. 3, 1923.
Electric-conduit fittings. L. F. Brunner. 170,128; July 10; Serial No. 156,344; published Apr. 3, 1923.
Electric switches. H. D. Thomas. 170,346; July 10.
Electrical-conduit couplings. Thomas & Betts Co. 170,342; July 10.
Fuse plugs. W. O. Besaw. 169,985; July 10; Serial No. 167,929; published Apr. 3, 1923.
Heaters, radiant floor and wall heaters, etc., Electric water and air. W. W. Hicks. 169,966; July 10; Serial No. 174,962; published Apr. 3, 1923.
Lamp spotlights to be mounted in automobile windshields, Electric. Floyd Clymer Manufacturing Company. 170,340; July 10.
Lamps, electromotors, dynamos, etc., Electrical. Philipps Aktien-Gesellschaft. 170,217; July 10; Serial No. 150,286; published Apr. 3, 1923.
Radio crystals. Radiola Wireless Corporation. 170,107; July 10; Serial No. 168,786; published Apr. 3, 1923.
Spark plugs. Shaw Mfg. Co. 170,341; July 10.
Telephone cords, electric-iron cords, etc., Supports for. Snappy Sales Co. 170,022; July 10; Serial No. 173,539; published Apr. 3, 1923.
Telephone plugs. L. de F. Munger. 170,024; July 10; Serial No. 173,576; published Apr. 3, 1923.

CLASS 22.

Cards, Playing. United States Printing Company. 23,782; renewed Nov. 7, 1923.
Dolls. K. F. Sischo. 170,154; July 10; Serial No. 168,651; published Apr. 3, 1923.
Dolls and contortional figures. I. K. Stubbs. 169,960; July 10; Serial No. 174,707; published Apr. 10, 1923.
Dolls and doll outfits. G. Averill. 169,969; July 10; Serial No. 164,144; published Apr. 10, 1923.
Fishing lines. Newton Line Company. 170,029; July 10; Serial No. 173,665; published Apr. 10, 1923.
Fishing lines. Newton Line Company. 170,030; July 10; Serial No. 173,662; published Apr. 10, 1923.
Game, Parlor board. Disc Alley Manufacturing Company. 170,067; July 10; Serial No. 165,010; published Apr. 3, 1923.
Games and game apparatus. M. L. Brooks. 170,256; July 10; Serial No. 170,967; published Apr. 3, 1923.
Kindergarten material. E. Steiger. 170,223; July 10; Serial No. 154,769; published Apr. 10, 1923.
Swimming device or belt, Inflatable. G. Jordahn. 169,948; July 10; Serial No. 174,454; published Apr. 10, 1923.
Toy alarm clocks or watches. S. C. Vincent. 169,962; July 10; Serial No. 174,804; published Apr. 10, 1923.
Toy dolls. C. Ewald. 169,949; July 10; Serial No. 174,515; published Apr. 10, 1923.
Toy electric railway. American Display Company. 169,961; July 10; Serial No. 174,718; published Apr. 10, 1923.

CLASS 23.

Dough and bun dividers, bread proofers, panning machines, mixers, etc. Baker-Perkins Manufacturing Corporation. 170,237; July 10; Serial No. 174,228; published Apr. 10, 1923.
Electric-light bulbs, lamps, sockets, etc., Apparatus for installing and removing. G. C. A. Manufacturing Company. 170,243; July 10; Serial No. 174,570; published Apr. 3, 1923.
Files. Fayette R. Plumb, Incorporated. 170,069; July 10; Serial No. 165,504; published Apr. 10, 1923.
Hoists and their parts, Hydraulic. Wood Hydraulic Hoist & Body Company. 170,066; July 10; Serial No. 173,801; published Apr. 10, 1923.
Hoof trimmers, Cow-. C. Kappeler. 170,269; July 10; Serial No. 174,396; published Apr. 17, 1923.
Milling machinery, bolting reels, etc. B. F. Gump Co. 170,208; July 10; Serial No. 124,986; published Apr. 17, 1923.
Paper and other sheet material, Machines for cutting, piling, etc. Maxson Automatic Machinery Company. 170,003; July 10; Serial No. 155,973; published Apr. 3, 1923.
Pickaxes, crowbars, wrenches, tercados, mattocks, etc. Collins Company. 170,241; July 10; Serial No. 174,559; published Apr. 3, 1923.
Piston rods. A. L. Stout & Co. 170,270; July 10; Serial No. 174,345; published Apr. 17, 1923.
Presses, axle lathes, boring and turning mills, etc., Hydraulic. Niles Tool Works Company. 170,336; July 10.
Printing presses, lithographic presses, etc., Rollers for. Ideal Roller & Manufacturing Co. 170,010; July 10; Serial No. 172,678; published Apr. 3, 1923.
Razors. Union Cutlery Co. 170,298; July 10; Serial No. 175,033; published Apr. 17, 1923.
Scissors and pocketknives. J. Richter. 170,159; July 10; Serial No. 169,517; published Apr. 10, 1923.
Scoops, shovels, and steel chutes. H. B. Sackett Screen & Chute Company. 170,018; July 10; Serial No. 172,443; published Apr. 10, 1923.
Shovels, spades, and scoops. Ames Shovel & Tool Company. 170,042; July 10; Serial No. 174,986; published Apr. 17, 1923.
Wrenches. Gellman Wrench Corporation. 170,266; July 10; Serial No. 174,896; published Apr. 17, 1923.

CLASS 24.

Laundry washing machines. The Fair. 169,951; July 10; Serial No. 174,614; published Apr. 3, 1923.
Washing machines, Clothes-. Vulcan Manufacturing Company. 170,343; July 10.

CLASS 26.

Ammeters. Tiffany Manufacturing Company. 170,330; July 10.
Camera and film kits, Combination. Ansco Company. 170,162; July 10; Serial No. 169,798; published Apr. 3, 1923.
Lens blanks, Ophthalmic-. Sussfeld, Lorsch & Schimmel. 170,291; July 10; Serial No. 176,766; published Apr. 17, 1923.
Lenses and blanks, Ophthalmic. Sussfeld, Lorsch & Schimmel. 170,292; July 10; Serial No. 176,767; published Apr. 17, 1923.
Lenses and frames for eyeglasses and spectacles. Baltimore Optical Company. 170,007; July 10; Serial No. 172,929; published Apr. 3, 1923.
Navigational apparatus. C. E. Arundel. 170,361; July 10.
Photographic paper, Sensitized. Republic Photographic Corporation. 170,239; July 10; Serial No 174,336; published Apr. 3, 1923.
Pictures, Motion. Chaplin Classics, Inc. 170,203; July 10; Serial No. 173,072; published Apr. 3, 1923.

CLASS 27.

Watches, Watch movements, and parts of the same. Hipp, Didisheim Company. 169,952; July 10; Serial No. 174,618; published Apr. 3, 1923.
Watches, watch movements, and parts of the same. Hipp, Didisheim Company. 169,953; July 10; Serial No. 174,620; published Apr. 3, 1923.
Watches, watch movements, and parts of the same. Hipp, Didisheim Company. 169,954–5; July 10; Serial Nos. 174,622–3; published Apr. 3, 1923.
Watches, watch movements, and parts of the same. Hipp, Didisheim Company. 169,957; July 10; Serial No. 174,624; published Apr. 3, 1923.

CLASS 28.

Pearls, Artificial. Henshel Co. Inc. 170,027; July 10; Serial No. 173,597; published Apr. 3, 1923.
Pins, beltbuckles, bracelets, brooches, neck chains, etc., Bar. Dinhofer Bros. Inc. 170,037; July 10; Serial No. 173,918; published Apr. 3, 1923.

CLASS 29.

Brooms. C. N. Cramer Company. 169,964; July 10; Serial No. 174,891; published Apr. 17, 1923.
Mops and mopsticks. Beaton & Cadwell Manufacturing Company. 170,052; July 10; Serial No. 175,760; published Apr. 17, 1923.
Toothbrushes. P. B. T. Williams. 170,168–9; July 10; Serial Nos. 176,389–90; published Apr. 17, 1923.
Toothbrushes. P. B. T. Williams. 170,309; July 10; Serial No. 176,391; published Apr. 17, 1923.
Toothbrushes. P. B. T. Williams. 170,353; July 10.

CLASS 31.

Refrigerating and ice-making apparatus. Winter Machine Company. 169,995; July 10; Serial No. 145,864; published Apr. 3, 1923.
Refrigerating apparatus, Artificial. Freezerator Co. 170,119; July 10; Serial No. 163,512; published Apr. 3, 1923.

CLASS 34.

Oil burners. D. Perry. 170,225; July 10; Serial No. 154,458; published Jan. 9, 1923.
Ranges and gas and coal heaters, Gas and combination coal and gas. A. H. Tinnerman. 170,098; July 10; Serial No. 169,261; published Apr. 10, 1923.
Stoves, Cooking, heating, and gas. F. A. Klaine. 23,474; renewed Aug. 8, 1923.
Stoves, furnaces, radiators, etc., Cooking and heating. Holbrook, Merrill & Stetson. 170,137; July 10; Serial No. 162,409; published Apr. 3, 1923.
Stoves, ranges, furnaces. Minnesota Stove Company. 170,265; July 10; Serial No. 106,453; published July 4, 1922.
Torches, Preheating. Weldit Company. 170,077; July 10; Serial No. 166,965; published Apr. 3, 1923.

CLASS 35.

Belting, Rubber and fabric. New York Belting and Packing Company. 170,312; July 10; Serial No. 175,320; published Apr. 3, 1923.
Belting, Rubber and fabric. New York Belting and Packing Company. 170,313; July 10; Serial No. 175,322; published Apr. 3, 1923.
Belts, Driving. Rossendale Belting Company. 19,470; renewed May 12, 1921.
Brake lining. Johns-Manville, Incorporated. 170,062; July 10; Serial No. 172,046; published Apr. 3, 1923.

Brake lining and clutch-disk facing, Asbestos. Asbestos and Allied Products Co. 170,227; July 10; Serial No. 174,813; published Apr. 3, 1923.

Brake linings. United & Globe Rubber Company. 169,997; July 10; Serial No. 144,166; published Apr. 26, 1921.

Fire hose, Cotton. Wm. & Chas. Beck, Inc. 170,311; July 10; Serial No. 175,124; published Apr. 3, 1923.

Hose, belting, and packing. Voorhees Rubber Mfg. Co. 170,255; July 10; Serial No. 171,003; published Apr. 3, 1923.

Rubber jar rings. Cupples Company Manufacturers. 170,129; July 10; Serial No. 158,380; published May 30, 1922.

Tire patch, Self-vulcanizing. L. A. Finstick. 170,094; July 10; Serial No. 169,582; published Apr. 3, 1923.

Tires, tubes, patches, hose, etc., Rubber. Stanley Glidden Co. 170,207; July 10; Serial No. 121,766; published Apr. 10, 1923.

CLASS 36.

Music rolls for automatic pianos, Perforated. Juan Bautista Blancafort S. en C. 170,209; July 10; Serial No. 141,348; published Apr. 3, 1923.

CLASS 37.

Blotters. Standard Paper Manufacturing Co. 170,116; July 10; Serial No. 161,283; published Apr. 3, 1923.

Crayons, chalks, and pencils. American Crayon Company. 170,248; July 10; Serial No. 171,440; published Apr. 3, 1923.

Display stands or easels. C. W. Lasher, jr. 170,271; July 10; Serial No. 174,251; published Apr. 10, 1923.

Letterheads, envelopes, report blanks, etc. Supreme Orient O. O. H. & P. 169,998; July 10; Serial No. 145,597; published Apr. 3, 1923.

Paper and mailing envelopes, Writing and printing. Chapin & Gould Paper Company. 170,288; July 10; Serial No. 176,114; published Apr. 10, 1923.

Paper and paper towels, Toilet. Albany Perforated Wrapping Paper Co. 170,308; July 10; Serial No. 176,437; published Apr. 10, 1923.

Paper and paper towels, Toilet. Wortendyke Manufacturing Co. 170,252; July 10; Serial No. 171,192; published Apr. 3, 1923.

Paper, Cover. Peninsular Paper Company. 170,333; July 10.

Paper, envelopes, and papeteries. Birnie Paper Company. 170,286–7; July 10; Serial Nos. 176,876–7; published Apr. 10, 1923.

Paper, envelopes, etc. J. C. Blair Company. 170,323; July 10; Serial No. 175,706; published Apr. 3, 1923.

Paper, Waxed. Himmer Brothers Co. 170,297; July 10; Serial No. 175,394; published Apr. 10, 1923.

Paper, Wrapping. McLaurin Jones Co. 170,273; July 10; Serial No. 174,147; published Apr. 10, 1923.

Papers and mailing envelopes, Writing and printing. Whiting Paper Company. 170,347–8; July 10.

Papers, Book. Kimberly-Clark Company. 170,320–2; July 10; Serial Nos. 175,662–4; published Apr. 3, 1923.

Pencils. H. C. Hobbs. 170,204; July 10; Serial No. 173,132; published Mar. 13, 1923.

Stationers' supplies. Hawkes-Jackson Company. 170,352; July 10.

CLASS 38.

Magazine published quarterly. Catholic Students' Mission Crusade. 170,109; July 10; Serial No. 158,224; published June 13, 1922.

Newspaper, Daily. Oklahoma Publishing Company. 170,041; July 10; Serial No. 174,973; published Apr. 17, 1923.

Newspaper, Daily. Oklahoma Publishing Company. 170,045; July 10; Serial No. 175,152; published Apr. 17, 1923.

Periodical, Weekly. Walter Reed General Hospital. 170,272; July 10; Serial No. 174,189; published Apr. 17, 1923.

Publication. Post-Time Publishing Co. 170,050; July 10; Serial No. 175,323; published Apr. 17, 1923.

Publications, Periodical. B. T. Shields. 169,965; July 10; Serial No. 174,927; published Apr. 17, 1923.

CLASS 39.

Boots and shoes, Leather. Geo. E. Keith Company. 170,219; July 10; Serial No. 152,760; published Apr. 3, 1923.

Boots and shoes, Women's. Globe Shoe Company. 170,166; July 10; Serial No. 169,900; published Apr. 3, 1923.

Coats, vests, pants, and knickerbockers, Men's and boys'. Goodall Worsted Co. 170,138; July 10; Serial No. 162,546; published Apr. 10, 1923.

Gaiters of leather, fabric, and combination. F. H. Timson. 170,161; July 10; Serial No. 169,731; published Apr. 3, 1923.

Garments, Men's, women's, and children's outer. Shirek & Hirsch. 170,117; July 10; Serial No. 162,461; published Oct. 10, 1922.

Gloves. Fownes Brothers & Co. 23,017; renewed May 16, 1923.

Gloves, gauntlets, and mittens, Leather. Joseph N. Elsendrath Company. 170,020; July 10; Serial No. 173,475; published Apr. 10, 1923.

Gowns and pyjamas. Burnham, Stoepel & Company. 170,338; July 10.

Hats, Men's. Gimbel Brothers, Incorporated. 169,979; July 10; Serial No. 166,944; published Apr. 10, 1923.

Hats, Men's. Long's Hat Stores. 170,350–1; July 10.

Heel protectors, Leather. P. Smith. 170,359; July 10.

Hosiery. Platt's. 170,143; July 10; Serial No. 163,170; published Apr. 10, 1923.

Hosiery. George Wills and Sons, Ltd. 169,967; July 10; Serial No. 163,722; published Apr. 3, 1923.

Hosiery supporters. Komdo Novelty Co. 170,091; July 10; Serial No. 170,201; published Apr. 3, 1923.

Hosiery, Women's. Marshall Field & Company. 170,146; July 10; Serial No. 158,115; published Apr. 24, 1923.

Pants, overalls, jumpers and work shirts, children's overalls and rompers, Men's working. Standard Tent & Awning Company. 170,335; July 10.

Rubber boots and shoes. La Crosse Rubber Mills Co. 170,087; July 10; Serial No. 170,480; published Apr. 3, 1923.

Rubber heels. Armstrong Cork Company. 170,115; July 10; Serial No. 159,828; published Apr. 3, 1923.

Rubber heels. Tee Pee Rubber Company. 170,096; July 10; Serial No. 169,372; published Apr. 3, 1923.

Shirts, collars, pyjamas, night wear, etc., Dress and negligee. Excello Shirt Co. 170,125; July 10; Serial No. 164,699; published Mar. 20, 1923.

Shirts, Men's and boys' dress and negligee. Excello Shirt Co. 170,068; July 10; Serial No. 165,363; published Jan. 30, 1923.

Shirts, textile underwear, etc., Men's and boys'. Bob & Baskind. 170,334; July 10.

Shoes. Friebrich-Fox-Hilker Shoe Company. 170,021; July 10; Serial No. 173,480; published Apr. 3, 1923.

Shoes. Friebrich-Fox-Hilker Shoe Company. 170,023; July 10; Serial No. 173,481; published Apr. 3, 1923.

Shoes. Melville Shoe Corporation. 170,095; July 10; Serial No. 169,406; published Apr. 10, 1923.

Shoes, slippers, and cloth spats. Rubin Bros. Foot-Wear. 170,093; July 10; Serial No. 169,826; published Apr. 3, 1923.

Shoes, slippers, and cloth spats. Rubin Bros. Foot-Wear. 170,163; July 10; Serial No. 169,827; published Mar. 6, 1923.

Skirts for girls, Outer. Hirshfield Skirt Co. 170,360; July 10.

Soles and heels for footwear, Composition. A. Konoff. 170,005; July 10; Serial No. 156,835; published Apr. 11, 1922.

Suits and overcoats, Men's ready-made. L. Shapiro. 170,142; July 10; Serial No. 163,117; published Apr. 3, 1923.

Underwear and gloves. Walker Stetson Company. 170,332; July 10.

Underwear, Children's. Waterville Textile Mills, Inc. 170,073; July 10; Serial No. 166,219; published Dec. 12, 1922.

Underwear, Children's knit. J. H. Semel & Co. 170,145; July 10; Serial No. 163,653; published Apr. 10, 1923.

Underwear, sport hats, hosiery, etc., Ladies'. William M. Grant & Son. 170,123; July 10; Serial No. 164,104; published Oct. 10, 1922.

CLASS 40.

Snap fasteners. S. Glemby's Sons Co. 170,355; July 10.

CLASS 42.

Cotton fabric in the piece. Manhasset Manufacturing Company. 170,261; July 10; Serial No. 170,440; published Jan. 30, 1923.

Cotton goods in the piece. Nap. Eustathopoulo & Fils. 170,072; July 10; Serial No. 165,990; published Apr. 3, 1923.

Cotton piece goods. Cohn Hall Marx Co. 169,956; July 10; Serial No. 174,655; published Apr. 10, 1923.

Cotton piece goods. Ely & Walker Dry Goods Company. 170,310; July 10; Serial No. 176,017; published Apr. 10, 1923.

Cotton piece goods. W. R. Grace & Co. 170,229; July 10; Serial No. 174,898; published Apr. 3, 1923.

Cotton piece goods. John P. King Manufacturing Co. 170,357; July 10.

Cotton piece goods. Nathan & Cohen Co. 170,317; July 10; Serial No. 175,509; published Apr. 3, 1923.

Cotton piece goods. Neuss, Hesslein & Co. 169,958; July 10; Serial No. 174,667; published Apr. 10, 1923.

Cotton piece goods. Charles L. Poor Co. 170,183; July 10; Serial No. 176,035; published Apr. 10, 1923.

Cotton piece goods. Charles L. Poor Co. 170,184; July 10; Serial No. 176,038; published Apr. 10, 1923.

Cotton piece goods. Louis Siegbert & Bro. 170,235; July 10; Serial No. 174,037; published Apr. 3, 1923.

Cotton piece goods, pillowcases, and sheets. Pontex Cotton Mills. 170,344; July 10.

Cotton, silk, and woolen piece goods. Lutz & Zuellig. 170,211–2; July 10; Serial Nos. 142,219–20; published Apr. 10, 1923.

Gingham in the piece. Marshall Field & Company. 170,337; July 10.

Ginghams in the piece. Henry Glass & Co. 170,230; July 10; Serial No. 173,820; published Apr. 3, 1923.

Hair nets. Ad-Packed Hair Net Co. 170,173–4; July 10; Serial No. 176,242–3; published Apr. 10, 1923.

Hair nets. Ad-Packed Hair Net Co. 170,176–7; July 10; Serial Nos. 176,240–1; published Apr. 10, 1923.

Handkerchiefs. T. B. Lamb. 170,110; July 10; Serial No. 159,096; published Apr. 3, 1923.

Handkerchiefs. Western Bottle Manufacturing Company. 170,186; July 10; Serial No. 176,139; published Apr. 10, 1923.

Handkerchiefs. Western Bottle Manufacturing Company. 170,182; July 10; Serial No. 176,144; published Apr. 10, 1923.

Linen and cotton piece goods, towels, handkerchiefs, napkins, etc. Derryvale Linen Co. 170,250; July 10; 171,263; published Mar. 6, 1923.

Pillow and bolster cases, bed sheets, shams, scarfs, table covers, and napkins. Washington Embroidery Co. 169,963; July 10; Serial No. 174,805; published Apr. 10, 1923.

Sheets and pillowcases. Marshall Field & Company. 169,991; July 10; Serial No. 140,289; published Apr. 10, 1923.

Shoe fabrics. Peters Manufacturing Company. 170,179; July 10; Serial No. 176,209; published Apr. 10, 1923.

Silk goods in the piece. Salembier & Clay, Inc. 170,185; July 10; Serial No. 176,045; published Apr. 10, 1923.

Silk goods in the piece, Broad. Lenapé Silk Company. 170,044; July 10; Serial No. 175,089; published Apr. 10, 1923.

Silk piece goods. Duplan Silk Corporation. 170,315; July 10; Serial No. 175,473; published Apr. 3, 1923.

Silks, silk and cotton mixtures, cotton goods, linens, and draperies. Marbletex Co. 170,057; July 10; Serial No. 175,938; published Apr. 10, 1923.

Voile. Fred Butterfield & Co. 170,339; July 10.

Wool and cotton admixture piece goods. Samuel Kirk & Sons, Limited. 169,989; July 10; Serial No. 132,052; published Apr. 3, 1923.

Woolen piece goods. Forstmann & Huffmann Company. 170,316; July 10; Serial No. 175,482; published Apr. 3, 1923.

Woolen piece goods. Hager, Clark & Co. 170,233; July 10; Serial No. 174,007; published Apr. 3, 1923.

Worsted piece goods. W. M. Biggar & Co. 170,236; July 10; Serial No. 174,165; published Apr. 3, 1923.

Woven fabrics, Imported. H. Baechtold. 170,234; July 10; Serial No. 174,032; published Apr. 3, 1923.

CLASS 43.

Cotton, cotton thread, cotton yarn, Spool, sewing, etc. American Thread Company. 170,056; July 10; Serial No. 175,910; published Apr. 10, 1923.

Thread and yarn. N. Chertoff, Inc. 170,132; July 10; Serial No. 159,140; published Apr. 3, 1923.

Yarn. Wm. H. Horstmann Company. 170,016; July 10; Serial No. 172,475; published Apr. 3, 1923.

Yarn. C. D. Newell. 169,973; July 10; Serial No. 165,756; published Jan. 9, 1923.

Yarns for knitting, crocheting, and art needlework. Bernhard Ulmann Co. 170,170; July 10; Serial No. 176,382; published Apr. 10, 1923.

Yarns for knitting, crocheting, and art needlework. Bernhard Ulmann Co. 170,171; July 10; Serial No. 176,379; published Apr. 10, 1923.

Yarns for knitting, crocheting, and art needlework. Bernhard Ulmann Co. 170,172; July 10; Serial No. 176,375; published Apr. 10, 1923.

CLASS 44.

Dental floss. H. C. Hochstadter. 169,946; July 10; Serial No. 174,392; published Apr. 10, 1923.

Dental suction plates C. T. Magner. 169,982; July 10; Serial No. 167,779; published Apr. 10, 1923.

CLASS 45.

Beverage sold as a soft drink. A. Demetrulias. 170,354; July 10.

Beverage sold as a soft drink and flavoring sirups, etc., used in preparation of the same. Forst Products Co. 170,289; July 10; Serial No. 176,172; published Apr. 17, 1923.

Beverages, Carbonated. Hiram Wheaton & Sons. 22,778; renewed Apr. 11, 1923.

Beverages sold as soft drinks and sirups for making the same. H. Kirsch & Co. 170,049; July 10; Serial No. 175,400; published Apr. 17, 1923.

Beverages sold as soft drinks and sirups for making the same. Society Club Beverage Corporation. 170,051; July 10; Serial No. 175,411; published Apr. 17, 1923.

Beverages sold as soft drinks and sirups used in the preparation of same. J. R. Reynolds. 170,290; July 10; Serial No. 176,217; published Apr. 17, 1923.

Grape juice and apple juice. Paul De Laney Co. Inc. 170,294; July 10; Serial No. 175,772; published Apr. 17, 1923.

Water, ginger ale, phosphate, ozonate, and carbonated beverages, Mineral. White Rock Mineral Spring Company. 23,873; renewed Nov. 28, 1923.

CLASS 46.

Bread. Corby Baking Company. 169,987; July 10; Serial No. 94,532; published Apr. 3, 1923.

Candies. Robert A. Johnston Co. 170,160; July 10; Serial No. 169,715; published Apr. 3, 1923.

Candies. Mason, Au & Magenheimer Confectionery Manufacturing Company. 170,155; July 10; Serial No. 168,978; published Apr. 3, 1923.

Candies. W. F. Schrafft & Sons Corporation. 170,113; July 10; Serial No. 159,327; published Apr. 3, 1923.

Candy. Crescent Creole Candy Co. 169,988; July 10; Serial No. 130,160; published Mar. 6, 1923.

Candy. New England Confectionery Company. 170,001; July 10; Serial No. 154,812; published Apr. 3, 1923.

Candy. New England Confectionery Company. 170,002; July 10; Serial No. 154,815; published Apr. 3, 1923.

Candy. United Retail Candy Stores, Inc. 169,992; July 10; Serial No. 140,358; published Mar. 27, 1921.

Candy. Wiegel Candy Co. 169,968; July 10; Serial No. 164,017; published Apr. 10, 1923.

Candy, Chocolate. Advance Candy M'f'g Corp. 170,124; July 10; Serial No. 164,356; published Apr. 3, 1923.

Canned figs. Food Products Co. 170,280; July 10; Serial No. 172,873; published Apr. 17, 1923.

Canned fruits and vegetables. Willamette Valley Canneries, Inc. 169,981; July 10; Serial No. 167,443; published Apr 10, 1923

Canned fruits and vegetables, dried fruits, etc P. R. Weidner. 170,150; July 10; Serial No. 168,343; published Apr. 3, 1923.

Canned ripe olives. J. J. Hoey. 170,105; July 10; Serial No. 168,364; published Apr. 10, 1923.

Canned salmon. Sea Coast Packing Co. 170,103; July 10; Serial No. 168,647; published Apr. 10, 1923.

Canned vegetables and fish, molasses, and fruit preserves. Joannes Bros. Co. 170,282; July 10; Serial No. 172,745; published Apr. 17, 1923.

Canned vegetables and sweet mixed pickles. American Pickle & Canning Co. 169,976; July 10; Serial No. 166,622; published Apr. 10, 1923.

Cantaloupes, Fresh. T. H. Peppers. 170,118; July 10; Serial No. 162,949; published Apr. 3, 1923.

Chocolates and candies. E. Greenfield's Sons. 170,088–9; July 10; Serial Nos. 170,383–4; published Apr. 10, 1923.

Coffee. Old Dutch Mills, Inc. 170,220; July 10; Serial No. 153,256; published Dec. 5, 1922.

Edible article of manufacture or sweetmeat. Polar Cake Co. 170,120; July 10; Serial No. 163,944; published Dec. 5, 1922.

Flavoring preparation for food products. Francis H. Leggett & Company. 170,164; July 10; Serial No. 169,859; published Apr. 3, 1923.

Fudge bars, Chocolate-coated. A. B. Mewhinney Co. 170,139; July 10; Serial No. 162,564; published Apr. 10, 1923.

Honey. L. R. Nolen. 170,156; July 10; Serial No. 169,072; published Apr. 3, 1923.

Horse-radish. R. J. Diekemper. 170,281; July 10; Serial No. 172,867; published Apr. 17, 1923.

Ice cream. Watson & Aven. 170,157; July 10; Serial No. 169,343; published Apr. 3, 1923.

Liquid compound. L. Demartini Supply Company. 169,993; July 10; Serial No. 141,417; published Nov. 29, 1922.

Malt extract. Chicago Malt Extract Co. 170,102; July 10; Serial No. 168,754; published Apr. 10, 1923.

Malt extract and other food for infants and invalids. Horlicks Food Company. 23,791; renewed Nov. 7, 1923.

Meat products. Hygrade Provision Co. 170,210; July 10; Serial No. 138,568; published Apr. 10, 1923.

Oils for mechanical and food purposes, Cottonseed. American Cotton Oil Company. 23,776; renewed Oct. 31, 1923.

Paprika and spices. E. Miltenberg, Inc. 170,158; July 10; Serial No. 169,407; published Apr. 3, 1923.

Pickles, Crystallized sweet. L. Curtiss. 170,071; July 10; Serial No. 165,913; published Mar. 27, 1923.

Potatoes. C. Hechtman. 170,092; July 10; Serial No. 169,902; published Apr. 10, 1923.

Pudding, pie, and layer-cake filling. W. H. Simonson. 170,099; July 10; Serial No. 169,186; published Apr. 10, 1923.

Salad dressing. F. L. Kayack. 170,262; July 10; Serial No. 170,435; published Apr. 3, 1923.

Shortening, lard substitute, Vegetable. Jefferson Co. 170,221; July 10; Serial No. 153,551; published Apr. 10, 1923.

Tea. Lam, Glines & Co. 170,078; July 10; Serial No. 167,137; published Apr. 3, 1923.

CLASS 48.

Malt extract. R. W. Murray & Co. 170,040; July 10; Serial No. 174,970; published Apr. 10, 1923.

CLASS 50.

Awnings and tarpaulins. Indianapolis Tent & Awning Company. 170,015; July 10; Serial No. 172,538; published Apr. 3, 1923.

Bottle caps. American Bottle Cap Co. 169,996; July 10; Serial No. 151,777; published Apr. 3, 1923.

Buttons, shoe ornaments, badges, and emblems. Hinckley Manufacturing Co. 170,070; July 10; Serial No. 165,552; published Apr. 3, 1923.

Signs, advertising boards, and painted board signs, Sheet-metal bill. G. Minck. 170,100; July 10; Serial No. 169,136; published Apr. 10, 1923.

ALPHABETICAL LIST OF LABELS.

Artesia. For Table Water. Pabst Corporation. 26,188; July 10.
Balanced. For Bread. D. P. Woolley. 26,213; July 10.
Better Berries Grown in Santa Margarita Valley Gardens. For Fresh Berries. Santa Margarita Valley Gardens Association. 26,200; July 10.
Betty Brown. For Bread. D. P. Woolley. 26,212; July 10.
Blue Bird. For Toilet Paper. Interlake Tissue Mills Co. 26,175; July 10.
Bunny Cleaner. For a Water Softener and Washing Powder. M. L. Keagy. 26,180; July 10.
Burgess 'A' Battery. For Electric Batteries. Burgess Battery Company. 26,164; July 10.
Copley, The Men's Store Of New England, A Separate Store In A Separate Building. For Men's Stockings and Socks. Jordan Marsh Company. 26,177; July 10.
Copley, The Men's Store of New England, A Separate Store In A Separate Building. For Men's Vests. Jordan Marsh Company. 26,178; July 10.
Copley, The Men's Store Of New England, A Separate Store In A Separate Building. For Men's Sweaters. Jordan Marsh Company. 26,179; July 10.
Dance Series No. 1. For Talking-Machine Sound Records. National Music Lovers, Inc. 26,184; July 10.
Dayly Bread. For Bread. Package Paper & Supply Corporation. 26,190; July 10.
Don Julian Tampa Whiffs. For Cans and Baxes Containing Cigars. Gradiaz, Annis & Co. 26,170; July 10.
Dr. A. Peters' Tuberosum Pyorrhea Remedy. For Bottles Containing the Liquid. Tuberosum Pyorrhea Co. 26,205; July 10.
Extra Fine. For Bread. D. P. Woolley. 26,215; July 10.
Finetex. For Bread. D. P. Woolley. 26,219; July 10.
Fortune Shells. For Macaroni. Fortune Products Company. 26,166; July 10.
Glynco Brand Shrimp. For Canned Shrimp. Glynn Canning Company. 26,169; July 10.
Hair Nets. For Hair Nets. Theo. H. Gary Co. 26,168; July 10.
Heller's Fancy-Pastry Dessert Powder. For a Preparation for Use in Making Desserts. B. Heller & Company. 26,172; July 10.
Home Kraft. For Bread. D. P. Woolley. 26,217; July 10.
Hoye's Sparkling Whisko. For Beverages. S. M. Hoye. 26,173; July 10.
I-S. For Bread. S. E. Loveless. 26,181; July 10.
Interlake. For Toilet Paper. Interlake Tissue Mills Co. 26,174; July 10.
Kelp Iodized Water. For Medical Preparation. H. A. Morriss. 26,182; July 10.
Lady Betty. For Bread. D. P. Woolley. 26,211; July 10.
Likaslice. For Bread. D. P. Woolley. 26,214; July 10.
Live Long. For Bread. D. P. Woolley. 26,210; July 10.
Lydia Darrah. For Candy. Lydia Darrah Candy Shops, Inc. 26,165; July 10.
Mello-Freeze. For a Preparation for Use in Improving Ice Cream and in Conditioning the Ice Cream Mix. B. Heller & Company. 26,171; July 10.
Muh-Juhng, The Great Chinese Game. For Game Devices for Playing the Said Chinese Game. Regensteiner Corporation. 26,195; July 10.
Oxidene. For Powder for Malodorous, Galled, Calloused, Cracked, or Sore Feet, Body-Perspiration Odors, Sunburn, and Prickly Heat. Realneed Products Co. 26,192; July 10.
Pabst Malt Syrup. For Malt Sirup. Pabst Corporation. 26,187; July 10.
Penela. For Hair Nets. Rieser Company. 26,198; July 10.
Personality Linen. For Boxes Containing Stationery. Western Tablet and Stationery Company. 26,208; July 10.
Rawleigh's Good Health Talcum. For Talcum. W. T. Rawleigh Company. 26,191; July 10.
Reckord Brand Tomatoes. For Cans Containing Tomatoes. Reckord Bros. 26,193; July 10.
Reynolds' Reliance. For Coffee. Wm. T. Reynolds & Co. 26,196; July 10.
Rich's Best. For Rolled Oats. Rich Brothers Cereal Company. 26,197; July 10.
Romolo. For Macaroni. R. C. Ajello. 26,161; July 10.
Rovina. For Hair Nets. Rieser Company. 26,199; July 10.
Sally Brown. For Bread. D. P. Woolley. 26,218; July 10.
Sharp's Super-Kreem Toffee. For Toffee. Edward Sharp & Sons Ltd. 26,201; July 10.
Sun-Maid Raisinut Chocolates. For Boxes Containing Chocolates. Sun-Maid Raisin Growers. 26,202–4; July 10.
Sunflower. For Roofing. Foster Lumber Company. 26,167; July 10.
Superfine. For Bread. D. P. Woolley. 26,216; July 10.
Susquehanna Brand Tomatoes. For Cans Containing Tomatoes. Reckord Bros. 26,194; July 10.
Sweethome Chocolates. For Chocolates. Apex Chocolate Company. 26,162; July 10.
Tender Crust. For Bread. D. P. Woolley. 26,209; July 10.
The Best Nipple. For Pipe Nipples. Fred Pabst Company. 26,189; July 10.
The Best Tonic. For General Medicinal Tonic. Pabst Corporation. 26,186; July 10.
The Mystic Finger. For a Toy. Block-Walsh Corporation. 26,163; July 10.
The Variety Box. For Candy. Norris Inc. 26,185; July 10.
3 Cell Eveready Flashlight Battery. For Electric Batteries. National Carbon Company. 26,183; July 10.
TuT. For Nonalcoholic Beverages. M. E. Vaughan. 26,202; July 10.
Waldes Trusty. For Cards Containing Snap Fasteners. Waldes & Company. 26,207; July 10.
White Cross. For Toilet Paper. Interlake Tissue Mills Co. 26,176; July 10.

ALPHABETICAL LIST OF PRINTS.

Amortized Mortgages, What They Are and Why We Urge Them. For Amortized Mortgages. A. J. Wilson. 6,818; July 10.
Another great achievement by the Squibb Laboratories. For Squibb's Magnesia Dental Cream. E. R. Squibb & Sons. 6,816; July 10.
Eternal Bliss. For Finger Rings. H. E. Kaplan. 6,804; July 10.
Getting the most out of life. For Athletic Underwear. B. V. D. Company, Inc. 6,788; July 10.
Haynes 77. For Automobiles. Haynes Automobile Co. 6,798; July 10;
Inevitably. For Gas Ranges. Geo. D. Roper Corporation. 6,812; July 10.
It Was Thus Intended. For Drugs. E. R. Squibb & Sons. 6,814; July 10.
Knicker Boston Garter. For Man's Garters. George Frost Company. 6,797. July 10.
Little Stories of Success For Vanilla Extracts. Consumers Distributing Co. 6,791; July 10.
Little Women Dress Co. For Dresses. Little Women Dress Co. 6,805; July 10.
Most Smiles Per Gallon. For Gasoline and Oils. Hygrade Oil & Fuel Corporation. 6,802; July 10.
Motion Picture Memory Contest. For Motion Pictures. J. C. Jessen. 6,803; July 10.
"Onyx" Hosiery. For Hosiery. Emery & Beers Company. 6,793–5; July 10.
"Onyx" Hosiery. For Hosiery. "Onyx" Hosiery Inc. 6,810; July 10.
Pickles in Patterns. For Heinz 57 Varieties (Food Products). H. J. Heinz Company. 6,799; July 10.
Protected By Professional Honor. For Drugs. E. R. Squibb & Sons. 6,813; July 10.
Pure Enough to Eat. For a Toilet Soap (Reuter's). Reuter-Barry, Inc. 6,811; July 10.
Servants Of Science. For Drugs. E. R. Squibb & Sons. No. 6,815; July 10.
Shoot the Plugs. For Plugs for Cleaning Condenser Tubes. Mannion & Arthur Co. 6,807; July 10.
Snap—A Better Hair Waver. For Hair Wavers. McConnell Manufacturing Company. 6,806; July 10.
T-O-T Turnover Gas Toaster. For Bread Toasters. Turn-Over-Toaster Company. 6,817; July 10.
The Ace of Golf Balls. For Golf Balls. The Fair. 6,796; July 10.
The Label Shows the Way to "B. V. D." For Athletic Underwear. B. V. D. Company. 6,789; July 10.
Watch Your (In)-Step! For Arch Builders or Supports. Ohio Truss Co. 6,809; July 10.

Wellsworth Glasses All that Science can give, all that Artistry can add. For Spectacles and Eyeglasses. American Optical Company. 6,787; July 10.
What is 'B. V. D.'? For Athletic Underwear. B. V. D. Company. 6,790; July 10.
What Surprised The Chef. For Heinz 57 Varieties (Food Products) H. J. Heinz Company. 6,801; July 10.
World's Largest Exclusive Reproducing and Artist Grand Piano House. For Pianos of All Kinds. Moist Piano Company. 6,808; July 10.
You Wouldn't drink from your saucer. For Papeteries. Eaton, Crane & Pike Company. 6,792; July 10.
Your Friend And Ours—The Grocer. For Heinz 57 Varieties (Food Products) H. J. Heinz Company. 6,800; July 10.

CLASSIFIED LIST OF TRADE-MARK TITLES.

PUBLISHED FOR OPPOSITION.

[Act of Feb. 20, 1905, Sec. 6, as amended Mar. 2, 1907.]

CLASS 2.

Stonework articles, Ornamental. A. L. T. Rustic Company. 177,518; July 10.

CLASS 3.

Hand bags, Ladies'. Blum & Mittenthal. 179,847; July 10.
Harness, collars, saddlery, and parts thereof. W. W. Gleckner & Sons Co. 179,267; July 10.
Horse collars. G. Bernd Company. 181,053; July 10.
Trunks. Osterweil Bros. Inc. 180,771; July 10.

CLASS 4.

Cleaning compound for rugs. J. J. Swayne. 175,970; July 10.
Metal-polishing compound. Danner Co. 131,017; July 10.
Polish, Stove. Capitol Chemical Company. 162,721; July 10.
Soap. Palisade Manufacturing Company. 176,357; July 10.

CLASS 5.

Glues, Powdered vegetable. Arabol Manufacturing Co. 179,641–2; July 10.
Tire-repair compounds, adhesives, etc. Cahill & Malone. 179,708; July 10.

CLASS 6.

Balm and tablets for disorders of the liver and bowels, Pile. A. W. Bishop. 176,710; July 10.
Cement to be used in stopping leaks in cooling systems of automobiles, etc. Fritz Radiator Cement Co. 177,663; July 10.
Cheese and butter colors. Levring and Company. 178,449; July 10.
Chemical products. Farbwerke vorm. Meister Lucius & Bruning. 165,584; July 10.
Cough drops and lozenges. G. J. Bolduc. 177,032; July 10.
Cough mixture. Stolz Bros. Davis Company. 176,227; July 10.
Cream, Face. Inecto Incorporation. 175,990; July 10.
Cream to be applied to the skin as an insect repellent. F. G. Shaw. 176,505; July 10.
Dandruff remover, Liquid. S. P. Taylor. 178,575; July 10.
Dentifrice, Liquid. Ortho Manufacturing Company. 178,276; July 10.
Drink for chicks, Antiseptic. V. C. Getz. 177,292; July 10.
Dyestuffs. H. A. Metz & Co. 178,563; July 10.
Food tonic and general stimulant. Drug Products Co. 166,134; July 10.
Hair dressing. S. S. Levy. 177,854; July 10.
Hair tonic. G. H. Pound. 178,280; July 10.
Hair tonics. V. M. Corso. 176,454; July 10.
Insecticide. American Insecticide Co. 177,758; July 10.
Insecticide. Southern Specialty Company. 178,292–3; July 10.
Insecticide and deodorant. W. T. Johns. 174,902; July 10.
Iodine preparation, Liquid. H. J. Novack. 178,626; July 10.
Liniment. M. W. Shefftel. 177,111; July 10.
Liquid medicaments and ointments for antiseptic uses, etc. Chloro Chemical Corporation. 178,592; July 10.
Lotion, Face and hand. Remiller Co. 178,472; July 10.
Lye. Pennsylvania Salt Manufacturing Company. 176,095–7; July 10.
Medicinal preparation for pneumonia, etc. P. J. Gillen. 177,294; July 10.
Medicinal preparations for colds and constipation. S. R. Dighton. 178,499; July 10.
Medicine for the treatment of hog cholera. Mrs. N. F. Hoffman. 178,504; July 10.
Medicine for the treatment of ingrowing toenails. L & W Mfg. Company. 177,445; July 10.
Medicine used in cases of kidney and bladder troubles, etc. Organ-Iron Medicine Company. 178,461; July 10.
Medicine used in cases of rheumatism, sciatica, etc. Organ-Iron Medicine Company. 178,460; July 10.
Medicine used in cases of stomach, liver, kidney, and bladder trouble, etc. Organ-Iron Medicine Company. 178,459; July 10.
Motor saltz. B. R. Caswell. 175,298; July 10.
Oil and ointment, Facial. Salon Viennese. 178,570; July 10.
Oils, Essential. Essential Oil Company. 178,030; July 10.
Perfume, toilet water, face, talcum, and sachet powders, etc. Houbigant, Inc. 177,379; July 10.
Perfumes, toilet waters, face powder, etc. Paul Prot & Cie. 170,086; July 10.
Petroleum jelly. Standard Oil Company of New York. 178,146; July 10.
Pills, Cod-liver oil. Jenquins Laboratories. 178,252; July 10.
Pills, Kidney and bladder. Stephens-Bradley Company. 177,462; July 10.
Powder and cream, perfumes, toilet waters, etc., Face. C. A. Schwarze. 178,676; July 10.
Powder for nursery and toilet use. Crystal Chemical Co. 178,554; July 10.
Powders and creams, perfumes, toilet waters, etc., Face. A. Winarick. 177,720; July 10.
Preparation for neuralgia and headache. Warren P. Rash Co. 177,621; July 10.
Preparation for relief of colds, coughs, grippe, etc. J. T. Jones. 172,993; July 10.
Preparation for removing corns and calli. E. C. De Witt & Co. 178,597; July 10.
Preparation for the hair and scalp. G. P. Haldy. 177,737; July 10.
Preparation for the prevention of excessive perspiration. San-I-Sal Laboratories, Inc. 177,519; July 10.
Preparation for the relief of headache, pain, etc. Ethicus Prompt Treatment Kit, Inc. 177,729; July 10.
Preparation for the treatment of all kinds of chronic bronchitis, phthisis, etc. First Texas Chemical Manufacturing Company. 177,598; July 10.
Preparation for the treatment of cuts, cracks, and abrasions of the skin. H. & S. Products Co. 177,487; July 10.
Preparation for the treatment of piles. C. F. Futrell. 178,500; July 10.
Preparation for the treatment of rheumatism, neuritis, gout, etc. Vita-Sulphur Company. 177,639; July 10.
Preparation, Stomach, F. X. Rondeau. 165,035; July 10.
Preparations for treatment of constipation and its symptoms. Gotham Corporation. 177,040; July 10.
Remedy, Germicidal. Unruh H. P. Co. 155,940; July 10.
Roach-destroying composition. W. Schilplin. 177,697; July 10.
Salve, Cancer. Harry E. Ritter & Mary V. Gordon. 176,917; July 10.
Salve for eczema, salt rheum, acne, etc. J. A. Bond. 171,061; July 10.
Shampoo preparation. Dearborn Supply Company. 177,656; July 10.
Shampoo, scalp, and hair oils, etc. Hall, Thralls & Co. 175,555; July 10.
Sirups for the relief of coughs, colds, and bronchitis. San Antonio Drug Co. 176,656; July 10.
Soporific. Merck & Co. 177,312; July 10.
Tablets and salve for hemorrhoids. Cumberland Chemical Co. 178,167; July 10.
Toilet preparation. Dearborn Supply Company. 177,657; July 10.
Tonic compound. Cumberland Chemical Co. 178,166; July 10.
Tonic, Female general. H. S. Gilbert. 177,733; June 10.
Tonic for use in the treatment of anæmia, debility, stomach derangements, etc., Medical. W. H. Mathews. 177,447; July 10.
Vegetable compound and system blood purifier. Wm. T. Hursh & Conn. 176,185; July 10.
Zinc-oxide pads. Wizard Lightfoot Appliance Company. 178,322; July 10.

CLASS 7.

Rope and cable hoisting. Atlantic Elevator Company. 181,051; July 10.
Wire rope and clothesline. G. F. Wright Steel & Wire Company. 169,510; July 10.

PUBLISHED FOR OPPOSITION.

[Act of Feb. 20, 1905, Sec. 6, as amended Mar. 2, 1907.]

CLASS 8.

Pipes, cigar and cigarette holders, and tobacco pouches. Alfred Dunhill of London, Inc. 179,263; July 10.

CLASS 10.

Fertilizer. George C. Jones Incorporated. 180,704; July 10.
Fertilizers. Nitrate Agencies Company. 180,486; July 10.

CLASS 11.

Ink, Printing. Geo. H. Morrill Co. 156,499; July 10.

CLASS 13.

Faucets, cocks, etc. W. C. Grosser. 172,592; July 10.
Percolators, Aluminum. Tebbetts and Garland Store. 171,600; July 10.
Teapots, Aluminum. Tebbetts and Garland Store. 171,599; July 10.
Tubes. Anaconda Copper Mining Company. 177,062; July 10.
Valves, valve casings, etc., Pneumatic. A. Schrader's Son, Incorporated. 171,512; July 10.

CLASS 15.

Grease compound for lubricating purposes. A. B. Hutton. 180,009; July 10.
Lubricating compounds and greases. Otis Chemical Company. 181,087; July 10.
Oil, Cutting. Smith Oil & Refining Company. 180,629; July 10.
Oils and greases, Lubricating. Smith Oil & Refining Company. 180,628; July 10.

CLASS 16.

Artists' materials. Artists Brush and Color Corporation. 175,454; July 10.
Lacquers, lacquer thinners, and enamels. Egyptian Lacquer Manufacturing Company. 179,186; July 10.
Lead, White. Chadwick Boston Lead Company. 175,344; July 10.
Paint remover. E. F. Miller. 166,747; July 10.
Paints, varnishes, fillers, and shellacs, Ready-mixed. S. Joseph & Son Co. 180,285; July 10.
Varnish. Brelnig Brothers, Inc. 179,654; July 10.
Varnish. Benjamin Moore & Co. 180,769; July 10.
Varnish. Frank Bowne & Company. 181,054; July 10.
Varnishes, varnish stain, enamels, etc. Sewall Paint & Glass Company. 180,814; July 10.
Waterproof refinisher. E. W. Woods. 177,886; July 10.
Wood paste filler, oil colors, enamel, etc. Edward E. Allen Mfg. Co. 179,078; July 10.

CLASS 17.

Cigars. T. F. Dutkanych. 180,171; July 10.
Cigars and smoking tobacco. Joseph Farfaglia & Co. 176,611; July 10.

CLASS 21.

Batteries and battery parts and supplies. Philadelphia Storage Battery Co. 177,616; July 10.
Electric time switches, light flashes, transformers, etc. J. Eckelkamp. 177,689; July 10.
Lamps, parts thereof, etc., Portable electric. American Electric Equipment Co. 175,754–5; July 10.
Lamps, parts thereof, etc., Portable electric. American Electric Equipment Co. 175,758; July 10.
Lamps, parts thereof, etc., Portable electric. Home Lighting Equipment Corporation. 175,792; July 10.
Lanterns, Electric. A. J. Cole. 177,036; July 10.
Radio apparatus. Domestic Electric Company. 169,626; July 10.
Radio receiving and transmitting sets. R. G. Cuthbert. 173,956; July 10.
Ranges and stoves, Electric. Tappan Stove Co. 172,449; July 10.
Spark plugs. T-N-T Spark Plug Company. 175,225; July 10.
Telephone jacks, plugs, and connections. Saturn Mfg. & Sales Co. 171,473; July 10.
Welding machines, cables, etc., Electric. Wilson Welder & Metals Company. 118,198; July 10.

CLASS 22.

Baseball bats. Hillerich & Bradsby Co. 180,431–4; July 10.
Golf clubs. Allied Golf Company. 169,272; July 10.
Toys, Electrical. Lionel Corporation. 163,099; July 10.

CLASS 23.

Bearings, Journal. Oregon Brass Works. 178,273; July 10.
Derricks, cranes, steam shovels, parts thereof, etc. J. Jacob Shannon & Co. 176,049; July 10.
Egg beaters. Turner & Seymour Manufacturing Co. 178,580; July 10.
Fruit presses. M. J. Brown. 166,498; July 10.
Lubricating apparatus, parts and fittings thereof, Detachable force-feed. Larkin Automotive Parts Company. 177,745; July 10.
Pumps. Unchokeable Pump, Limited. 177,252; July 10.
Tin openers, corkscrews, pocketknives, etc. G. Twellsick. 164,843; July 10.
Turbines and reduction gears. Kerr Turbine Co. 177,978; July 10.
Water-supply system, Automatic pneumatic. W. E. Dickey. 178,433; July 10.

CLASS 25.

Locks, Auto. Williams & Robeschaud. 180,570; July 10.
Safes. Steelcraft Corporation of America. 179,890; July 10.

CLASS 26.

Barometers. Taylor Instrument Companies. 179,495; July 10.
Educational appliances. Radio Motion Picture Phon. Corp. 178,282; July 10.
Gauges, indicators, etc., Fluid pressure. A. Schrader's Son, Incorporated. 180,084; July 10.
Gauges, Oil. D. A. Kafka. 181,029; July 10.
Humidity regulators. G. M. Parks Company. 179,621; July 10.
Lenses, eyeglasses, and spectacles. N. Smith. 180,815; July 10.
Ophthalmic mountings and parts thereof. Optical Specialty Manufacturing Company. 179,548; July 10.
Photographic films. Ansco Company. 178,797–807; July 10.
Photographic shutters. Eastman Kodak Company. 180,846; July 10.
Rules. Master Rule Mfg. Co. 177,044; July 10.
Temperature indicators, Thermoelectric. Safe-T-Stat Co. 180,143; July 10.

CLASS 27.

Watches, clocks, dials, etc. Hoffman Bros. Inc. 171,799; July 10.

CLASS 28.

Bracelets and earrings. Cohen & Rosenberger, Inc. 178,224; July 10.
Bracelets, wristlets, neck chains, etc. Eisenstadt Manufacturing Company. 180,211; July 10.
Jewelry. M. M. Mirabeau. 175,507; July 10.
Pearls. J. J. Felsenfeld. 180,332; July 10.
Pearls, Artificial. H. Levitan. 177,306; July 10.
Pearls, Artificial. D. W. Thomas, Incorporated. 179,975; July 10.
Rhinestones and chatons. E. Clar. 172,862; July 10.
Rings, Finger. H. E. Kaplan. 180,435; July 10.
Semiprecious stones. M. A. Barr. 179,844; July 10.

CLASS 29.

Toothbrushes. Geo. R. Gibson Co. 165,791; July 10.

CLASS 30.

Chinaware. Atlas China Company. 181,104; July 10.

CLASS 33.

Glassware, Table. Gimbel Brothers, Inc. 180,063; July 10.

CLASS 37.

Books and filing cards for bookkeeping purposes, Receipt. W. A. Ringler. 160,434; July 10.
Duplicating apparatus and accessories thereto, etc. D. Gestetner Limited. 178,175; July 10.
Paper, bristol board, and cardboard. J. W. Butler Paper Co. 180,838; July 10.
Paper clips. Noesting Pin Ticket Company. 180,805; July 10.
Paper, Toilet. Peerless Mfg. Co. 179,678; July 10.
Paper, Toilet. Peerless Mfg. Company. 179,679; July 10.
Paper, Writing. Cincinnati Cordage & Paper Company. 174,554; July 10.
Paper, Writing. Fox River Paper Company. 180,533; July 10.
Stationery. Fred A. Wish, Incorporated. 180,641; July 10.

CLASS 38.

Publications, Periodical. American Agriculturalist, Inc. 178,204; July 10.

CLASS 39.

Apparel, Wearing. Childs Specialty House. 175,849; July 10.
Bathing suits, Knitted. Blue-Ribbon Knitting Mills. 175,063; July 10.
Boots and shoes. Crooker & Morse, Inc. 177,428; July 10.
Cloaks, suits, dresses. M. Kirschner & Sons. 178,345–6; July 10.

PUBLISHED FOR OPPOSITION.

[Act of Feb. 20, 1905, Sec. 6, as amended Mar. 2, 1907.]

Coats, vests, trousers, overcoats, Men's. Franklin Clothes Shop, Inc. 174,134; July 10.
Collars, Shirt. Geo. P. Ide & Co. 174,012; July 10.
Dresses and aprons, Wash. John C. Michael Company. 177,313; July 10.
Dresses and waists. Samuel M. Foster Company. 178,600; July 10.
Dresses and waists. Pollak Bros. Company. 175,211; July 10.
Dresses, Children's. Martha Maid Manufacturing Company. 178,367; July 10.
Dresses, Ladies'. Lovinger-Schwartz Co. 179,414; July 10.
Dresses, Ladies' and misses'. E. M. Thomas. 179,688; July 10.
Dresses, skirts, waists, etc. J. Garfinkle. 174,362; July 10.
Dresses, Women's and misses'. Mallas Cravis Co. 176,029; July 10.
Frocks. Newman, Marcus & Torchia. 178,455; July 10.
Garments, Knitted outer. Hawley Knitting Mills, Inc. 172,221; July 10.
Hosiery. Chester Knitting Mills. 174,654; July 10.
Hosiery. Chipman Knitting Mills. 177,359; July 10.
Hosiery. E. Crutcher. 178,958; July 10.
Hosiery. J. A. Custer. 178,227; July 10.
Hosiery. Dalton Hosiery Mills. 176,720; July 10.
Hosiery. Equity Hosiery Mills. 179,592; July 10.
Hosiery. Jacob & Schey. 175,357; July 10.
Hosiery. Miller Brothers Company. 179,158; July 10.
Hosiery. Robischon Corporation. 179,557; July 10.
Hosiery. Stamper & Kaiser. 177,630; July 10.
Hosiery. J. P. Voorhees. 178,314; July 10.
Hosiery and garters. Howard Hose and Garter Mfg. Co. 175,557; July 10.
Hosiery and underwear, Silk. F. Robison. 179,166; July 10.
Hosiery, Boys' and girls'. A. A. Wuest. 177,419; July 10.
Hosiery, sweaters, and knitted underwear. A. H. Wittenberg. 178,321; July 10.
Kimonos, bath robes, etc. Joseph Bros. 175,398; July 10.
Kimonos, breakfast gowns, etc. Barsa Corporation. 178,021; July 10.
Neckties. Stern, Merritt Co. 175,893–4; July 10.
Neckties. Weisbaum Bros.-Leininger Company. 179,632; July 10.
Overcoats. Meigs & Co. 179,376; July 10.
Pants, overalls, etc., Men's working. Standard Tent & Awning Company. 174,943; July 10.
Pyjamas. M. Wilber Dyer Company. 179,463; July 10.
Rubber boots and shoes and arctic overshoes. Goodyear Rubber Company. 176,337; July 10.
Shirts. A. Hartman. 175,866–8; July 10.
Shirts and overalls, Work. Washington Manufacturing Co. 179,502; July 10.
Shirts, Men's dress and negligee. Textile Shirt Company. 179,239; July 10.
Shirts, Men's work. Reliance Manufacturing Company. 174,753; July 10.
Shirts, pyjamas, nightshirts. Tauber, Lipton & Company. 173,612; July 10.
Shoes, Leather. Dugan & Hudson Co. 175,599; July 10.
Sport clothes for women. Del Monte-Rickey. 174,202; July 10.
Suits and overcoats. Scholderer & Aug, Inc. 174,979; July 10.
Suits and overcoats, Men's ready-made. L. Shapiro. 177,626–7; July 10.
Suits, Boys'. Parker-Bridget Company. 171,508; July 10.
Suits, coats, trousers, etc., Men's. National Shirt Shops, Inc. 177,194; July 10.
Suits, jackets, raincoats, etc. J. David. 174,894; July 10.
Suits, topcoats, and ulsters, Men's. H. H. Cooper & Co. 174,560; July 10.
Sweater coats. Waymart Knitting Mill. 178,199; July 10.
Undergarments, Women's. H. B. Hoffman. 175,195; July 10.
Underwear, Athletic and knitted. Riteweb Manufacturing Company. 178,285–6; July 10.
Union and combination suits, undershirts, underdrawers. Superior Athletic Underwear Company 174,642; July 10.

CLASS 40.

Package outfit. L. H. Feldman. 174,517; July 10.

CLASS 41.

Umbrellas and parasols. J. Grossman. 176,342; July 10.

CLASS 42.

Bedspreads. Primrose Draperies, Inc. 180,493; July 10.
Cloth and stuffs of wool and worsted Pendle & Rivett Limited. 180,549; July 10.
Cotton goods in the piece. David Schwartz Company. 180,558; July 10.
Gingham piece goods. Neuburger & Company. 179,314; July 10.
Ginghams in the piece. Fred Butterfield & Co. 165,343; July 10.
Hair nets. Be-Neet Manufacturing Co. 180,356; July 10.
Hair nets. O. L. Stanard Dry Goods Co. 179,491; July 10.
Hair nets, Women's. J. C. Penney Company. 180,491; July 10.
Handkerchiefs. L. Bloch. 180,413; July 10.
Pillowcases. Naumkeag Steam Cotton Co. 145,957–8; July 10.
Poplins in the piece, Cotton. American Bleached Goods Company. 179,255; July 10.
Silk, cotton, etc., piece goods. Société Rodier. 180,504; July 10.
Silk, cotton, etc., piece goods. Société Rodier. 180,506; July 10.
Silk fabrics in the piece. Cheney Brothers. 180,521; July 10.
Tablecloths, napkins, doilies, etc. John C. Sleater Co. 177,701; July 10.
Woolen goods in the piece. Worumbo Manufacturing Company. 180,351; July 10.
Woolens and worsteds in the piece. Warmbirds, Inc. 180,312; July 10.

CLASS 43.

Thread, Sewing. Barbour Flax Spinning Co. 179,984; July 10.
Yarns. E. A. Reed. 179,623; July 10.
Yarns, Cotton. Old Colony Manufacturing Corporation. 180,237; July 10.
Yarns for knitting, crocheting, and art needlework. Bernhard Ulmann Co. 180,199; July 10.

CLASS 44.

Ice bags and syringe fixtures. A. Schrader's Son, Incorporated. 180,243; July 10.
Therapeutical apparatus called oxyhealer. S. Maeshima. 155,900; July 10.

CLASS 45.

Beverage sold as a soft drink. E. E. Carneal. 179,354; July 10.
Beverage sold as a soft drink and sirups for making same. Sethness Company. 175,681; July 10.
Ginger ale. Bartow Beverages, Inc. 180,832; July 10.
Soda water. W. P. Courtney. 181,062; July 10.

CLASS 46.

Bacon, hams, and lard. George Little, Limited. 177,839; July 10.
Butter and eggs. Gude Brothers, Kieffer Company. 174,442; July 10.
Candy. Darling Sweets, Inc. 172,732; July 10.
Candy. H. Dilas. 176,731; July 10.
Candy. Rood Candy Company. 162,581; July 10.
Canned and bottled goods. Waples-Platter Grocer Co. 175,287; July 10.
Canned fruits and vegetables. S. S. Pierce Co. 177,995; July 10.
Canned salmon. McGovern & McGovern. 176,904; July 10.
Eggs. Gude Brothers, Kieffer Company. 174,440; July 10.
Eggs. Gude Brothers, Kieffer Company. 174,443–4; July 10.
Ginger, chutney, honey, etc. J. O. Taneyhill. 174,757; July 10.
Gum, Chewing. Listerated Gum Corporation. 178,399; July 10.
Milk and baby foods, Powdered. Fraser Milk Products Co. 177,480; July 10.
Peanuts prepared with meat extract. H. G. Craven. 158,815; July 10.

CLASS 48.

Beverage, Malt. S. Liebmann's Sons, Inc. 175,360; July 10.
Malt extract. O. Thoma. 179,241; July 10.
Malt extracts for beverage purposes, Combination of. H. D. Sterrick. 154,939; July 10.
Sirup, Malt. M. Zigelman. 178,083; July 10.

ALPHABETICAL LIST OF PATENTEES

TO WHOM

PATENTS WERE ISSUED ON THE 10TH DAY OF JULY, 1923.

NOTE.—Arranged in accordance with the first significant character or word of the name (in accordance with city and telephone directory practice). **Includes patents, reissues, and designs.**

A C Spark Plug Company. (See Schmidt, Albert, assignor.)
Aber, Ernest. (See Becker, E., and Aber.)
Ackley, Kenneth A., Louisville, Ky. Carburetor. 1,461,470; July 10.
Acme Motor Shield Corporation. (See McMullen, Joseph B., assignor.)
Adams, Herbert J., Battle Creek, Mich. Circle-gauging instrument. 1,461,569; July 10.
Adams, Ralph R., Yonkers, N. Y. Radioactive spray material. 1,461,340; July 10.
Adams-Randall, Charles, New York, N. Y. Telegraphic receiving instrument. 1,461,568; July 10.
Adelmann, Hens, assignor to Ham Boiler Corp., New York, N. Y. Ham boiler. 1,461,509; July 10.
Aeberli, Adolf, Toronto, Ontario, and W. Dreyer, Lachine, Quebec, Canada. Carburetor. 1,461,104; July 10.
Ainsworth, Albert A., Brooklyn, N. Y. Filing device. 1,461,570; July 10.
Aktiebolaget Ljungströms Angturbin. (See Ljungström, Fredrik, assignor.)
Aktiengesellschaft Kummler & Matter. (See Wirth-Frey, Elias, assignor.)
Aldobilt Company. (See Harrington, Clinton O., assignor.)
Aldrich, James H., Oakland, Calif. Nut-shelling machine. 1,461,410; July 10.
Alexanderson, Ernst F. W., Schenectady, N. Y., assignor to General Electric Company. Control system. 1,461,571; July 10.
Allen, Charles S., Dawson, Ga. Tractor. 1,461,642; July 10.
Almedia, Jose M., Rock Springs, Wyo. Rotary printing machine. 1,461,594; July 10.
American Chain Company. (See Morris, William T., assignor.)
American Chain Company. (See Reyburn, John R., assignor.)
American Gasaccumulator Company. (See Fransson, Frans J., assignor.)
American Optical Company. (See Arnold, Arthur A., assignor.)
American Optical Company. (See Cozzens, Charles O., assignor.)
American Optical Company. (See Pellow, Arthur, assignor.)
American Optical Company. (See Schumacher, Elmer L., assignor.)
American Optical Company. (See Tillyer, E. D., and Wixted, assignors.)
American Tar Products Company. (See Puening, Franz, assignor.)
American Telephone and Telegraph Company. (See Martin, De Loss K., assignor.)
American Telephone and Telegraph Company. (See Moody, John F., assignor.)
Anderson, Lorenzo N., Hawkinsville, Ga. Self-serving store. 1,461,374; July 10.
Andresen, Peter N., and P. J. Jeffway, Salem, Oreg. Dirigible headlight. 1,461,341; July 10.
Ansorge, Percy I., Brooklyn, N. Y. Lighting-fixture part. Des. 62,630; July 10.
Armstrong, Percy A. E., Loudonville, N. Y. Making tubular bodies. 1,461,018; July 10.
Arnold, Arthur A., assignor to American Optical Company, Southbridge, Mass. Lens holder. 1,461,078; July 10.
Arrigoni, Ferdie, New York, N. Y. Oil cap. 1,461,436; July 10.
Ashley, Frank M. (See Trust, H., and Ashley.)
Austin, Frank H. (See Robertson, Robert, assignor.)
Avery, Henry W., Cleveland, Ohio. Pipe thread protector. 1,461,595; July 10.
Bachman, Rudolph W., assignor to U. S. Slicing Machine Company, Laporte, Ind. Sharpener for slicing machines. 1,461,105; July 10.
Baginley, John A., Hoquiam, Wash. Doorbell. 1,461,019; July 10.
Bailey, Albert E., Nashua, N. H. Conveyer system. 1,461,106; July 10.
Balcom, Charles A. (See Reynolds, Joy S., assignor.)
Ball and Socket Manufacturing Company, The. (See Goddard, Charles A., assignor.)
Bancroft, Frank H., Gardner, assignor to P. Derby & Co., Inc., Worcester, Mass. Wood-bending apparatus. 1,461,471; July 10.
Bannon, Russell E., Springfield, Mass. Holder for nursing bottles. 1,461,342; July 10.
Barbarou, Marius J. B., Paris, France. Clutch device for motor vehicles. 1,461,343; July 10.
Barnes, Rufus F., Springfield, Mass. Nut-tapping machine. 1,461,171; July 10.
Baron, Charles S., Tiffin, Ohio. Top for containers. 1,461,375; July 10.
Barr, John H., New York, assignor to Remington Typewriter Company, Ilion, N. Y. Typewriting machine. 1,461,510; July 10.
Barr, John H., New York, assignor to Remington Typewriter Company, Ilion, N. Y. Typewriting machine. 1,461,511; July 10.
Barr, Louis D., Tacoma, Wash. Hobbyhorse toy. 1,461,020; July 10.
Barratt, William T., Bennington, Vt. Stop motion for knitting machines. 1,461,172; July 10.
Barrier, Michael T., Lancaster, Calif. Stake-holding device for trucks, trailers, and the like. 1,461,107; July 10.
Bartlett, Francis A., Stamford, Conn. Cutting bur. 1,461,376; July 10.
Bate, Warwick G., Newton Falls, Ohio. Spare-tire cover for automobiles. 1,461,021; July 10.
Bauer, George J., Pawtucket, and F. B. Carlson, Providence, R. I. Link for expansible bracelets. 1,461,203; July 10.
Beall, William L., Chattanooga, Tenn., assignor to International Harvester Company. Clamp for cultivator tools. 1,461,302; July 10.
Becker, Edwin, and E. Aber, Racine, Wis. Adjustable metal-ticket changer. 1,461,022; July 10.
Becker, Paul, East Cleveland, Ohio. Window construction. 1,461,023; July 10.
Becket, Frederick M., assignor to Electro Metallurgical Company, Niagara Falls, N. Y. Alloy. 1,461,643; July 10.
Bedwin, Clark D., Long Beach, Calif. Valve for automatic water heaters. 1,461,644; July 10.
Behrman, Marcus B., New York, assignor to Lox Seal Corporation, Brooklyn, N. Y. Lather brush. 1,461,344; July 10.
Beitman, Albert R., Cleveland, Ohio. Weather strip. 1,461,079; July 10.
Bell, John H., South Orange, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y. Signaling system. 1,461,204; July 10.
Belleville, Edwin A. (See Belleville, F., Belleville, and Henderson.)
Belleville, Frank, E. A. Belleville, and R. S. Henderson, Twin Falls, Idaho. Gas apparatus. 1,461,377; July 10.
Benjamin, George R., Jersey City, N. J., assignor to The Western Union Telegraph Company, New York, N. Y. Automatic telegraph system. 1,461,645; July 10.
Benner, Raymond C. (See French, H. F., and Benner.)
Bennett, Ashley C., Minneapolis, Minn. Suction cleaner. 1,461,173; July 10.
Bennett, Ashley C., assignor to I. E. Bennett, Minneapolis, Minn. Air cleaner. 1,461,174; July 10.
Bennett, Irene E. (See Bennett, Ashley C., assignor.)
Benson, William E., Wilmington, Mass. Method of and apparatus for producing waterproofed receptacles. 1,461,024; July 10.
Berge, Franz R. L., Port Angeles, Wash. Resonance device for banjos. 1,461,596; July 10.
Berger, Carl, Karlsbad, Czechoslovakia. Two-cycle internal-combustion engine. 1,461,080; July 10.
Bernays, Ely. (See Herz, Gustave L., assignor.)
Berry, Reni S. (See Gilman, F. L., and Wilson, assignors.)
Berzon, Louis, assignor of one-third to himself, one-third to J. Brezin, and one-third to W. Kosakoff, Philadelphia, Pa. Spooling machine. 1,461,205; July 10.
Bicker, Edgar B., St. Louis, Mo. Hinge. 1,461,175; July 10.
Bierbaum, John H., et al. (See Hachmann, Frederick, assignor.)
Billman, Obed C., Cleveland, assignor of one-half to H. H. Troxel, Wooster, Ohio. Pencil. 1,461,437; July 10.

Birch, Gustaf B. (See Cameron, J. A., and Birch.)
Black, Leslie G., Sioux City, Iowa. Air-brake mechanism. 1,461,025; July 10.
Blackmore, Lloyd, Highland Park, assignor to General Motors Corporation, Detroit, Mich. Farm tractor. 1,461,716; July 10.
Blair, Rolandis A., Fort Wayne, Ind., assignor to The P & M Company, Chicago, Ill. Rail anchor. 1,461,258; July 10.
Blair, Rolandis A., Fort Wayne, Ind., assignor to The P & M Company, Chicago, Ill. Rail anchor. 1,461,259; July 10.
Blair, Rolandis A., Fort Wayne, Ind., assignor to The P & M Company, Chicago, Ill. Rail anchor. 1,461,260; July 10.
Blair, Rolandis A., Fort Wayne, Ind., assignor to The P & M Company, Chicago, Ill. Rail anchor. 1,461,261; July 10.
Bolsvert, Joseph L., Bourbonnais, Ill. Poultry nest. 1,461,303; July 10.
Boker, H., & Co., Inc. (of N. J.). (See Redman, Walter H., assignor.)
Bond, James E., Sawtelle, Calif. Burglar alarm. 1,461,206; July 10.
Bonk, Frank J., and A. W. Stewart, Ripon, Wis. Automatic electric-circuit-control mechanism. 1,461,207; July 10.
Bonsall, Charles D., assignor to P. H. Murphy Company, Parnassus, Pa. Carline. 1,461,704; July 10.
Bookwalter, Albert E., Coeur d'Alene, Idaho. Ore separator. 1,461,647; July 10.
Booraem, John F., Greenwich, Conn. Swimming-pool construction. 1,461,026; July 10.
Boos, Casper M. H., Chicago, Ill. Silo-door frame. 1,461,208; July 10.
Booth, John W., Trenton, Ontario, Canada. Needle chuck for sound reproducers. 1,461,176; July 10.
Born, William F., Lakewood, Ohio. Garbage incinerator. 1,461,108; July 10.
Borst, Andrew J., jr., Buffalo, N. Y. Antiskid device for vehicle wheels. 1,461,378; July 10.
Bouton, Edgar M., Wilkinsburg, Pa., assignor to Westinghouse Electric & Manufacturing Company. Control system. 1,461,512; July 10.
Bradford, Arthur M. (See Sears, D. C., and Bradford.)
Bradley, Ralph A., Ottawa, Kans. Oscillating valve for internal-combustion engines. 1,461,472; July 10.
Brasche, Ferdinand F., Edwardsville, assignor of one-third to C. Holding and one-third to W. Palecek, Collinsville, Ill. Automatic mine-car cager. 1,461,513; July 10.
Breer, Carl, Summit, N. J. Dishwasher. 1,461,473; July 10.
Breer, Carl, Summit, N. J. Dish-holding tray. 1,461,474; July 10.
Brewer, Harry, Sidney, Nebr. Air-pump pressure-regulating device. 1,461,379; July 10.
Brezin, Joseph, et al. (See Berzon, Louis, assignor.)
Bridges, Josiah S., Chicago, Ill. Detachable holder for dental impression trays. 1,461,209; July 10.
Briggs, D. F., Company. (See Slaiger, Henry, assignor.)
Brinton, Willard C., New York, N. Y. Curve record system. 1,461,710; July 10.
Brock, John M., Brooklyn, N. Y. Acetylene lamp. 1,461,572; July 10.
Brockson, James W., assignor of one-half to P. L. McWhorter, Middletown, Del. Tractor. 1,461,027; July 10.
Brockton Welting Co. (See Dunham, Arthur E., assignor.)
Brombacher, Julius, Los Angeles, Calif. Automatic fluid control. 1,461,262; July 10.
Bromley, Thomas C., and W. Cavers, Leicester, assignors to Mellor Bromley & Co. Limited, Minotaur Works, Leicester, England. Circular rib-knitting machine. 1,461,693; July 10.
Bronson, Fred L., Wichita Falls, Tex. Adjustable fender brace. 1,461,304; July 10.
Brookes, John, and A. E. Tolley, Halesowen, England. Artificial teeth. 1,461,305; July 10.
Browne, Anna H., executrix. (See Browne, Arthur B.)
Browne, Arthur B., deceased, Detroit, Mich.; A. H. Browne, executrix. Friction clutch. 1,461,573; July 10.
Bruchhauser, Charles H. (See Hileman, Willis W., assignor.)
Bruner, Reuben G., Windsor, Ontario, Canada. Wheel. 1,461,475; July 10.
Bryant, George W., New York, N. Y. Window-cleaner's life net. 1,461,648; July 10.
Buckland, Joseph W., Montreal, Quebec, Canada. Automatic bell ringer. 1,461,177; July 10.
Buhtz, Emil R., Seattle, Wash. Soap-dish attachment for laundry trays. 1,461,263; July 10.
Bull, Arthur A., assignor to General Motors Corporation, Detroit, Mich. Cooling-liquid-pump mounting for internal-combustion engines. 1,461,711; July 10.
Bullard, William P., Albany, Ga. Nut grader. 1,461,264; July 10.
Bullard, William P., Albany, Ga. Nut grader. 1,461,265; July 10.
Buller, Charles M., assignor to L. J. Mueller Furnace Company, Milwaukee, Wis. Adjustable head for pipes. 1,461,438; July 10.
Burden, Thomas, Warrnambool, Victoria, Australia. Correction of type in printers' galleys. 1,461,081; July 10.
Burgess, C. F., Laboratories. (See Weiss, Howard F., assignor.)
Burgin, Waldo W., Lodi, Calif. Check valve. 1,461,439; July 10.
Burkley, Joseph, Treadwell, N. Y. Lifting device. 1,461,694; July 10.
Burnham, George A., Saugus, assignor to S. B. Condit, Brookline, Mass. Electric switch. 1,461,695; July 10.
Burns, James A., Wilkinsburg, Pa., assignor to Westinghouse Electric & Manufacturing Company. Grinding machine. 1,461,514; July 10.
Burrell, D. H., & Co. (See Feldmeier, Harvey, assignor.)
Burrows, Robert J., assignor to Clark Equipment Company, Buchanan, Mich. Metal wheel. 1,461,515; July 10.
Busse, Edwin G., assignor to Chicago Railway Equipment Company, Chicago, Ill. Support for clasp brake beams. 1,461,516; July 10.
Cable, George W., Norwalk, Conn. Toy. 1,461,109; July 10.
Cameron, James A., and G. B. Birch, assignors to Cameron Machine Company, Brooklyn, N. Y. Slitting means. 1,461,266; July 10.
Cameron Machine Company. (See Cameron, J. A., and Birch, assignors.)
Campbell, Henry, Liberal, Kans. Auto chain coupler. 1,461,306; July 10.
Caplan, Meyer, Brookyn, N. Y. Camping trailer. 1,461,574; July 10.
Capron Company. (See Moore, Robert H., assignor.)
Carlson, Frank B. (See Bauer, G. J., and Carlson.)
Carnation Milk Products Company. (See Grindrod, George, assignor.)
Casalonga, Louis D. A., Paris, and G. Miot, Vanves, France. Device for driving the bands of rolling platforms. 1,461,476; July 10.
Cash, Arthur L. (See Short, C. R., and Cash.)
Cassisa, Salvatore, Far Rockaway, N. Y. Shoe dressing. 1,461,696; July 10.
Castrogiovanni, Rosario, Brooklyn, N. Y. Shoemaker's repair form. 1,461,517; July 10.
Cavers, Walter. (See Bromley, T. C., and Cavers.)
Centerbar, Lorenzo R., Fitchburg, Mass. Corner joint for frames. 1,461,440; July 10.
Chapman, Charles A., Grinnell, Iowa. Hay derrick. 1,461,307; July 10.
Charlier, Louis, Jemeppe-sur-Meuse, Belgium. Trapdoor for storage and delivery apparatus. 1,461,411; July 10.
Chicago Railway Equipment Company. (See Busse, Edwin G., assignor.)
Chidlow, David, Ridgefield, Conn., assignor to J. F. Strachan and W. S. Strachan, Montreal, Canada. Treating grain germ and scutellum. 1,461,703; July 10.
Clapp, E. H., Rubber Company. (See Pratt, William B., assignor.)
Clark, Bernard E., et al. (See Walper, Curry O., assignor.)
Clark Equipment Company. (See Burrows, Robert J., assignor.)
Clark, Eugen and W. H., Juliette, Ga. Anchor plate. 1,461,308; July 10.
Clark, William H. (See Clark, Eugen and W. H.)
Clarke, Alexander, Charleston, W. Va., assignor to United Hydro-Carbons Company. Method and mechanism for testing gas. 1,461,345; July 10.
Clement, Charles G., assignor to Highway Trailer Company, Edgerton, Wis. Trailer coupling. 1,461,412; July 10.
Clerico, Dominick, Yonkers, N. Y. Valve-spring compressor for automobile and other engines. 1,461,346; July 10.
Clough, Frederic H., Hillmorton, near Rugby, England, assignor to General Electric Company. Ship-propulsion system. 1,461,575; July 10.
Clough, Fredric H., Hillmorton, near Rugby, England, assignor to General Electric Company. Ship-propulsion system. 1,461,576; July 10.
Coats, Arizonia Z., assignor of one half to E. Headden, Newbern, Tenn. Sound box. 1,461,597; July 10.
Coburn, John M., and J. M. McCrary, Long Beach, Calif. Valve grinder. 1,461,267; July 10.
Cohoon, Robert S., assignor to Southern Cement Machine Company, Orlando, Fla. Concrete-block machine. 1,461,413; July 10.
Cole, Claude F., Athens, Pa. Pedal-carried circuit maker and breaker. 1,461,380; July 10.
Colonial Engineering Company, The. (See Kloman, Charles A., assignor.)
Columbia Machine and Stopper Co. (See Kendall, Carl W., assignor.)
Condit, Sears B. (See Burnham, George A., assignor.)
Connecticut Telephone and Electric Co. (See Wirrer, Gottfried, assignor.)
Cook, Harry E., Washington, D. C., assignor to Remington Typewriter Company, Ilion, N. Y. Carriage pull band for typewriting and like machines. 1,461,347; July 10.
Cook, Thomas, Stalybridge, England. Baling press. 1,461,577; July 10.
Cooper, Clarence W. (See Wylie, W. J., and Cooper.)
Cooper, Clinton J., Oak Park, Ill. Railway tie. 1,461,477; July 10.

Cooper, Hugh S., Cleveland, Ohio, assignor, by mesne assignments, to Kemet Laboratories Company, Inc., Alley. 1,461,178; July 10.
Corley, John T., Providence, R. I. Bracket. 1,461,210; July 10.
Coryell, William C., Wayne, Nebr. Device for truing connecting rods. 1,461,309; July 10.
Cossitt, Malcolm L., Alameda, Calif., assignor to Manifold Impressions Corporation, Carson City, Nev. Manifolding attachment for typewriters. 1,461,599; July 10.
Coster, Arthur V., London, England, assignor to The Diamond Match Company, Chicago, Ill. Machine for making boxes. 1,461,414; July 10.
Cottrell, Sylvester P., Buffalo, N. Y. Combined light and firearm. 1,461,600; July 10.
Coughlan, John N., New York, N. Y. Propelling attachment for boats. 1,461,697; July 10.
Cox, James S., Los Angeles, Calif. Means for preventing frost on trees and the like. 1,461,110; July 10.
Cozzens, Charles O., assignor to American Optical Company, Southbridge, Mass. Ophthalmic mounting. 1,461,082; July 10.
Craig, Thomas C., Waterbury, Conn. Elevator. 1,461,601; July 10.
Crenshaw, Thomas W. and W. J., Clarksville, Tex. Figure toy. 1,461,179; July 10.
Crenshaw, Willie J. (See Crenshaw, Thomas W. and W. J.)
Cullander, Adolph. (See Wilson, W. D., and Cullander.)
Damerell, Mark H., Worcester, Mass., assignor to Wyman-Gordan Company. Indicating device. 1,461,083; July 10.
Daniels, Benjamin A., Tampa, Fla. Protective ventilating screen for vehicles. 1,461,478; July 10.
Daniels, Lee G., Rockford, Ill. Automatic talking machine. 1,461,111; July 10.
Dann, Walter M., Wilkinsburg, Pa., assignor to Westinghouse Electric & Manufacturing Company. Transformer radiator. 1,461,518; July 10.
Darling, Fay C., Walton, N. Y. Bath and basin fitting. 1,461,698; July 10.
Davidson, Frank B., Marseilles, Ill., assignor to National Biscuit Company, New York, N. Y. Carton. 1,461,415; July 10.
Davis, Amy E., New York, N. Y. Window screen. 1,461,441; July 10.
Davis, Howard C. (See Mills, B., Row, and Davis.)
Davis, Lewis K., Washington, D. C. Endless-track vehicle. 1,461,028; July 10.
Davis, Ralph E. (See Stebler, F., and Davis.)
Dawson, Robert K., Guelph, Ontario, Canada. Fitting for revolving chairs and the like. 1,461,602; July 10.
Day, Charles. (See Donaldson, C., and Day.)
Dayton Engineering Laboratories Company, The. (See Hunt, John H., assignor.)
De Armond, Walter E., Knoxville, Tenn. Fireplace. 1,461,211; July 10.
Deere & Company. (See Hanneman, Richard E., assignor.)
De Laney, Frank L. (See De Laney, James C. and F. L.)
De Laney, James C. and F. L., Portersville, Calif. Automatic controller for motors. 1,461,268; July 10.
Dellinger, Martin C. (See Kulp, H. W., and Dellinger.)
De Luca, Joseph B., Philadelphia, Pa. Railway-crossing signal. 1,461,180; July 10.
Depew, William F., Bowmanville, Ontario, Canada. Net-pulling machine. 1,461,141; July 10.
Derby, P., & Co. (See Bancroft, Frank H., assignor.)
De Santis, Louis, Yonkers, N. Y. Turbine. 1,461,699; July 10.
Devon, Joseph L., Atlanta, Ga. Braking attachment. 1,461,084; July 10.
Diamond Match Company, The. (See Coster, Arthur V., assignor.)
Diamond Match Company, The. (See Linebaugh, Edward R., assignor.)
Diamond Match Company, The. (See Paridon, Michael, assignor.)
Diamond Match Company, The. (See Shofter, William H., assignor.)
Dick, Emil, Geneva, Switzerland. Dynamo driven by wheel axle. 1,461,181; July 10.
Dickinson, Richard H., Farnham, England. Two-stroke engine. 1,461,348; July 10.
Dickson, Robert C., Medan Deli, Sumatra. Method and means for raising water or other liquid by compressed air. 1,461,112; July 10.
Dietrich, Jerome C., Galt, Ontario, Canada. Ice saw. 1,461,479; July 10.
Dobbin, Henry F., assignor to Western Electric Company, Incorporated, New York, N. Y. Telephone-exchange line switch. 1,461,212; July 10.
Donaldson, Charles, Augusta, Kans., and C. Day, Okmulgee, Okla. Glass-drawing apparatus. 1,461,603; July 10.
Dorf & Company. (See Lebow, Maurice, assignor.)
Doraey, Farnum F., assignor to North East Electric Company, Rochester, N. Y. Damping device for instruments. 1,461,381; July 10.
Doty, Leo J., Kansas City, Mo. Safety film reel. 1,461,029; July 10.
Doub, John H., Walnut, Kans. Dispatch holder. 1,461,382; July 10.
Douglass, Samuel E., Raleigh, N. C. Headlight mechanism. 1,461,604; July 10.
Douglass, Samuel E., Raleigh, N. C. Spark arrester. 1,461,605; July 10.
Dravo, George P., Milwaukee, Wis. Superheater. 1,461,213; July 10.
Dreyer, Wilhelm. (See Aeberli, A., and Dreyer.)
Duberstein, Isadore, Los Angeles, Calif. Garment hanger. 1,461,442; July 10.
Dunham, Arthur E., assignor to Brockton Welting Co., Inc., Brockton, Mass. Winding and banking machine. 1,461,705; July 10.
Durant, William H., Somerville, Mass. Cap for grease cups. 1,461,383; July 10.
Dusche, Frederick W., East Orange, assignor of one-half to L. M. Nussbaum, Newark, N. J. Shoe-shining device. 1,461,310; July 10.
Dutchess Tool Company. (See Van Houten, Frank H., assignor.)
Dyke, Frank M., Ramona, Calif. Subsoiler attachment for plows. 1,461,113; July 10.
Ebeling, Phillip, Bellaire, Ohio. Apparatus for the manufacture of glassware. 1,461,416; July 10.
Eclipse Interchangeable Counterbore Company. (See Smith, J. H., and Kengel, assignors.)
Edmond, Alfred, Kearney, N. J. Fuel saver. 1,461,030; July 10.
Einstein, Robert E., et al. (See Hachmann, Frederick, assignor.)
Ekeberg, Lars H., Rockford, Ill. Signal for vehicles. 1,461,114; July 10.
Eldredge, Elmer E., Zeeland, Mich., assignor to Phenix Cheese Company, New York, N. Y. Sterilizing cheese. Re15,648; July 10.
Electric Auto-Lite Corporation. (See Post, Truman W., assignor.)
Electric Controller & Manufacturing Company. (See Rippl, Charles H., assignor.)
Electro Metallurgical Company. (See Becket, Frederick M., assignor.)
Elick, John, Centralia, Wash. Draft-controlling device. 1,461,606; July 10.
Ellis, Wallace, assignor of one-half to W. Ray, Beloit, Wis. Nail-Pulling Machine. 1,461,712; July 10.
Elowsky, Samuel M. (See Yurow, Andrew, assignor.)
Engeset, Lars, Seattle, Wash. Roof-plate form. 1,461,182; July 10.
Erickson, Edward, Beverly, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J. Machine for operating on shoe bottoms. 1,461,085; July 10.
Ernst, John A., jr., Ridgefield Park, N. J. Game apparatus. 1,461,649; July 10.
Eschholz, Otto H., Wilkinsburg, Pa., assignor to Westinghouse Electric & Manufacturing Company. Discharge-indicating device. 1,461,519; July 10.
Everett, Arthur S., Lawrence, assignor to Page Machine Co., Inc., Haverhill, Mass. Heel-building machine. 1,461,384; July 10.
Faidley, William D., jr., Clifton Forge, J. W. Morris, Iron Gate, and S. A. Patterson, Clifton Forge, Va. Machine for removing and replacing metal parts of train-pipe couplings. 1,461,578; July 10.
Falor, Abram E., Akron, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y. Fluid-conduit-coupling device. 1,461,385; July 10.
Falor, William B., Akron, Ohio. Brake-lining dressing. 1,461,386; July 10.
Falzer, Louis, and E. M. Webber, Chicago, Ill.; said Webber assignor to said Falzer. Hoisting machine. 1,461,650; July 10.
Farley, Newton, Lillybrook, W. Va. Miner's lamp clip and stay. 1,461,607; July 10.
Fearn, John W., Birmingham, England. Automatic pistol and other small arm. 1,461,387; July 10.
Feldmeier, Harvey, assignor to D. H. Burrell & Co., Inc., Little Falls, N. Y. Centrifugal separator. 1,461,031; July 10.
Fellows, Edwin R. (See Stubbs, E., and Fellows.)
Fellows Gear Shaper Company, The. (See Miller, Edward W., assignor.)
Fellows Gear Shaper Company, The. (See Stubbs, E., and Fellows, assignors.)
Felty, Walter D. (See Mulford, H. Y., and Felty.)
Ferril, Warham. (See Woodson, A. B., and Ferril.)
Fesler, Milton A., Oakland, Calif., assignor to Petroleum Heat and Power Company. Diaphragm device. 1,461,086; July 10.
Fischer, Charles H. (See Hopfenthaler, J., and Fischer.)
Fitz Gibbon, Arthur L., Washington, D. C. Windshield cleaner. 1,461,087; July 10.
Fitzpatrick, William F. (See Jolly, T. J., and Fitzpatrick.)
Flauder, Alfred J., assignor to The Weidlich Bros. Mfg. Co., Inc., Bridgeport, Conn. Basket. Des. 62,631; July 10.
Fleming, Samuel N., Earlington, Ky. Grate construction. 1,461,443; July 10.
Fletcher, Harvey, assignor to Western Electric Company, Incorporated, New York, N. Y. Substation circuit. 1,461,183; July 10.
Foley, Timothy C., Renovo, Pa. Tool holder. 1,461,608; July 10.

Force, Gerald E., assignor to Helmet Cap Company, New York, N. Y. Collapsible-tube closure. 1,461,609; July 10.
Force, Gerald E., assignor to Helmet Cap Company, New York, N. Y. Radiator cap. 1,461,706; July 10.
Forman, Walter A., Brooklyn, N. Y. Valve or cock. 1,461,520; July 10.
Forney, Frank, and R. H. Hoff, Detroit, Mich. Carburetor-controlling device. 1,461,521; July 10.
Forsyth, Alexander, assignor to A. M. Fraser, Westboro, Mass. Center punch. 1,461,032; July 10.
Forton, George, Detroit, Mich. Combined pipe and nut wrench. 1,461,522; July 10.
Fosdick Machine Tool Company, The. (See Larsh, James E., assignor.)
Foss, Laurence M., Amesbury, Mass. Window-operating mechanism. 1,461,610; July 10.
Foster Machine Company. (See McKean, John O., assignor.)
Four Wheel Hydraulic Brake Company. (See Loughead, Malcolm, assignor.)
Fowle, James E. Z., Preuss, Oreg. Oven attachment for automobiles. 1,461,142; July 10.
Fox, Frank, Chesaw, Wash. Drag saw. 1,461,388; July 10.
Fox, Ralph P., Harrisburg, Pa. Wheeled toy. 1,461,651; July 10.
Franchi, Joseph. (See Marcello, Frank A., assignor.)
Fransson, Frans J., Stockholm, Sweden, assignor to American Gasaccumulator Company, Elizabeth, N. J. Light-controlled means for opening and closing an electric circuit. 1,461,523; July 10.
Fraser, Arthur M. (See Forsyth, Alexander, assignor.)
Free, James S. (See Jenkinson, Richard F., assignor.)
French, Harry F., and R. C. Benner, Fremont, Ohio, assignors to National Carbon Company, Inc. Material for producing smoke screens. 1,461,646; July 10.
French, John W., New Rochelle, N. Y. Globe support for electric lights. 1,461,611; July 10.
Frey, Sigmund, Los Angeles, Calif. Discharge spout for liquid containers. 1,461,269; July 10.
Friedline, William H., Meyersdale, assignor to Modernola Company, Johnstown, Pa. Cabinet construction. 1,461,239; July 10.
Friedrichs, Gottfried L. A., New York, N. Y. Fish-shipping tank. 1,461,350; July 10.
Frieze, Alfred S., Rossil, Oreg. Swiveled coupling. 1,461,033; July 10.
Frisbie, William J., assignor to Justrite Manufacturing Company, Chicago, Ill. Acetylene-gas burner. 1,461,034; July 10.
Fry, Claud B., Yates Center, Kans. Air-dispensing device. 1,461,389; July 10.
Gardner, Frederic E., Beloit, Wis. Abrasive-wheel chuck for grinding machines. 1,461,184; July 10.
Garrison, Frank, Jerome, Idaho. Tool. 1,461,270; July 10.
Gelbel, John F., assignor to Kaustine Company, Inc., Buffalo, N. Y. Toilet. 1,461,612; July 10.
Gendron Wheel Company, The. (See Nauts, Frank A., assignor.)
General Electric Company. (See Alexanderson, Ernst F. W., assignor.)
General Electric Company. (See Clough, Frederic H., assignor.)
General Electric Company. (See Clough, Fredric H., assignor.)
General Electric Company. (See Macmillan, Campbell, assignor.)
General Electric Company. (See Mittag, Albert H., assignor.)
General Gas Light Company. (See Humphrey, Hubert R., assignor.)
General Motors Corporation. (See Blackmore, Lloyd, assignor.)
General Motors Corporation. (See Bull, Arthur A., assignor.)
General Motors Corporation. (See Springer, William N., assignor.)
General Motors Corporation. (See White, John W., jr., assignor.)
Gero, Victor, Philadelphia, Pa. Spool head. 1,461,480; July 10.
Giddings, Frank R., assignor of one-half to V. G. Piper, Kalamazoo, Mich. Means for dipping and coating confectionery. 1,461,115; July 10.
Gilbert, Woodland H., St. Paul, Minn. Vending machine. 1,461,613; July 10.
Giles, Harvey, Brooklyn, N. Y. Coin-controlled vending machine. 1,461,417; July 10.
Gilman, Frank L., and J. R. Wilson, assignors of one-fourth to R. S. Berry; said Wilson assignor of one-third of his right to C. C. Matlock, Los Angeles, Calif. Well drill. 1,461,713; July 10.
Gilpin, Garth G., Riverside, Ill., assignor to W. P. Murphy, New York, N. Y. Double-door construction for railway cars. 1,461,035; July 10.
Gist, Felta B., and C. P. Martin, Orange, Calif. Dolly jack. 1,461,481; July 10.
Glickson, Simon, Chicago, Ill. Medicinal device. 1,461,185; July 10.
Goddard, Charles A., Cheshire, assignor to The Ball and Socket Manufacturing Company, West Cheshire, Conn. Cuff button. 1,461,324; July 10.
Godfrey, Bert O., Seattle, Wash. Dredge. 1,461,240; July 10.
Goericke, William A. (See Newton, Dudley, assignor.)
Goodrich, B. F., Company, The. (See Falor, Abram E., assignor.)
Goodwin, Abraham E., Newburyport, assignor to Lynn Last Company, Lynn, Mass. Display last. 1,461,652; July 10.
Gosnell, Ernest A., Burkburnett, Tex. Ignition device for internal-combustion engines. 1,461,088; July 10.
Government of the United States. (See McConnell, James W., assignor.)
Green Engineering Company. (See Poppenhusen, Herman A., assignor.)
Green, George W. (See Wylie, W. J., and Cooper, assignors.)
Greenwood, Wallace W., assignor to Norton Company, Worcester, Mass. Magnesia refractory. 1,461,444; July 10.
Grigg, George W., Portland, Oreg. Window-shade container. 1,461,390; July 10.
Grimes, Thaddeus S., assignor to Lummus Cotton Gin Company, Columbus, Ga. Gear lock for cotton trampers. 1,461,579; July 10.
Grindrod, George, assignor to Carnation Milk Products Company, Oconomowoc, Wis. Emulsifying apparatus. 1,461,653; July 10.
Griswold, Frank W., Rogers, Minn. Yielding self-righting safety lamp post. 1,461,116; July 10.
Guerin, Morinville J., jr. (See Guerin, Wilfred L., assignor.)
Guerin, Wilfred L., assignor of one-half to M. J. Guerin, jr., New Orleans, La. Indicator for vacant theater seats. 1,461,143; July 10.
Guertin, Augustus E., Belmont, Mass. Shock absorber. 1,461,291; July 10.
Gutschow & Co. G. m. b. H. (See Reiss, Paul, assignor.)
Hoag, Charles A., jr. (See La Casse, Eugene R., assignor.)
Hachmann, Frederick, assignor of two-tenths to T. T. Richards, St. Louis, one-tenth to A. Koelling, one-tenth to H. Houchens, two-tenths to J. H. Bierbaum, Marthasville, two-tenths to R. E. Einstein, and one-tenth to P. R. Walsh, St. Louis, Mo. Rail jack. 1,461,186; July 10.
Haessler, William J., Philadelphia, Pa. Collapsible funnel. 1,461,654; July 10.
Haga, Enoch. (See Wilson, W. D., and Cullander, assignors.)
Hagey, James C., and T. E. Kavanaugh, assignors, by mesne assignments, to The Q R S Music Company, Chicago, Ill. Means for instruction with respect to musical instruments. 1,461,241; July 10.
Hahn, Henry W., Denver, Colo. Pipe coupling. 1,461,482; July 10.
Hakes, Daniel E., and A. Laperon, Calexico, Calif. Cleaning composition. 1,461,351; July 10.
Hall, Harry A., assignor to Hoosier Manufacturing Company, Newcastle, Ind. Sliding moldboard for cabinets. 1,461,525; July 10.
Hall, John W., Feltham, England. Internal-combustion engine. 1,461,089; July 10.
Hall, Robert F., Moseley, near Birmingham, England. Machine for the manufacture of glass articles. 1,461,271; July 10.
Hall, Roy D., East Orange, and H. H. Smith, Newark, N. J., assignors to Westinghouse Lamp Company. Filamentary body for electric lamps and making the same. 1,461,117; July 10.
Hall, Roy D., East Orange, N. J., assignor to Westinghouse Lamp Company. Filament. 1,461,118; July 10.
Hall, William G., Honolulu, Hawaii. Maceration distributor for sugar-cane mills. 1,461,272; July 10.
Halleck, Frank A., Oak Park, Ill., assignor to Sullivan Machinery Company. Forging machine. 1,461,655; July 10.
Hallett, Thomas S., Mile 54, Alberta, Canada. Resilient vehicle wheel. 1,461,483; July 10.
Ham Boiler Corp. (See Adelmann, Hans, assignor.)
Hancock, Lee B., Richmond, Va. Demountable rim for tires. 1,461,311; July 10.
Hand, Erle H., Stapleton, N. Y. Car-signal device. 1,461,352; July 10.
Hanneman, Richard E., East Moline, assignor to Deere & Company, Moline, Ill. Screen for corn shellers. 1,461,144; July 10.
Hannifin, Arthur V. (See Vosburg, A. E., and Whitney, assignors.)
Hansen, Hans K., San Pedro, Calif. Wood-cutter sizer head. 1,461,090; July 10.
Hanson, Gustave, and C. A. Nelson, East Berlin, Conn., assignors to Lancaster Iron Works, Lancaster, Pa. Portable conveyers. 1,461,707; July 10.
Harned, Ada K., New York, N. Y. Display box. 1,461,656; July 10.
Harrington, Clinton O., assignor to Aldobilt Company, Chicago, Ill. Maintaining a source of light in a desired position in lanterns. 1,461,187; July 10.
Harrington, Clinton O., assignor to Aldobilt Company, Chicago, Ill. Focusing finder for lanterns. 1,461,418; July 10.
Harris, James C., Dallas, Tex. Toy gun. 1,461,119; July 10.

Harrison, George H., St. Paul, Minn., assignor to Manufacturers Chemical Company, Newport, Minn. Continuous straw gas retort. 1,461,614; July 10.
Haulton, Thomas, Johnstown, Pa. Rail bond. 1,461,061; July 10.
Hayes, Fred B., assignor to The Western Gas Construction Company, Fort Wayne, Ind. Valve. 1,461,188; July 10.
Haynes, Charles V., Philadelphia, Pa., assignor to Hoffman Specialty Company, New York, N. Y. Radiator valve. 1,461,657; July 10.
Hayward, Frank W., assignor to Kimmerle Bros., San Francisco, Calif. Wheel puller. 1,461,312; July 10.
Hayward, Irving M., Brooklyn, N. Y. Torch. 1,461,658; July 10.
Headden, Elmer. (See Coats, Arizonia Z., assignor.)
Hébrard, Henri, Sceaux, France. Gyroscopic toy. 1,461,313; July 10.
Hellstrom, John A., Wheeling, W. Va. Apparatus for separating rolled sheet-metal plates. 1,461,580; July 10.
Helmet Cap Company. (See Force, Gerald E., assignor.)
Henderson, Carl, assignor to Miehle Printing Press and Manufacturing Company, Chicago, Ill. Gearing mechanism. 1,461,484; July 10.
Henderson, Robert S. (See Bellville, F., Belleville, and Henderson.)
Hendrix, John W., Baldwyn, Miss. Wire distributor. 1,461,214; July 10.
Henley, George, Edenburg, Pa. Vehicle shock absorber. 1,461,091; July 10.
Hennegan, Paul M., Cincinnati, Ohio. Novelty headwear. 1,461,189; July 10.
Henricks, Henry E., assignor of one-third to A. H. Schlegel, Oak Park, Ill. Molding machine. 1,461,145; July 10.
Henry, James C., East St. Louis, Ill. Fuel-economizing device for internal-combustion engines. 1,461,659; July 10.
Henry & Leigh Slater, Limited. (See Leech, Benjamin, assignor.)
Herman, Claude A. (See Schroth, R. C., jr., and Herman.)
Hermanowich, Stephen, Ellwood City, Pa. Meat-block cleaner. 1,461,615; July 10.
Herrick, Bert L., Oakland, Calif. Bag or net fastener. 1,461,120; July 10.
Herz, Gustave L., assignor, by mesne assignments, to E. Bernays, New York, N. Y. Spark timers. 1,461,526; July 10.
Hess, Harry, et al. (See Roman, Newman A., assignor.)
Hewitt, Cooper, Electric Company. (See Keyes, Frederick G., assignor.)
Hey, Joseph A., Decatur, Ill. Match box. 1,461,146; July 10.
Hibbins, Thomas A., assignor to The Stevenson Company, Wellsville, Ohio. Crusher roll. 1,461,036; July 10.
Higgins, John J. (See Madden, H. D., and Higgins.)
Highway Trailer Company. (See Clement, Charles G., assignor.)
Hileman, Willis W., Jonesboro, assignor of one-half to C. H. Bruchhauser, Anna, Ill. Tire tool. 1,461,616; July 10.
Hill, Jesse A., South Greenfield, Mo. Automatic transmission release for motor vehicles. 1,461,121. July 10.
Hill, Richard M., Spring Valley, Ill. Decoy anchor. 1,461,617; July 10.
Hladish, Josef R. (See Soltesz, Charles, assignor.)
Hoff, Robert H. (See Forney, F., and Hoff.)
Hoff, Sigurd J., New York, N. Y. Window lock. 1,461,147; July 10.
Hoffman Specialty Company. (See Haynes, Charles V., assignor.)
Holden, Joseph B., Syracuse, assignor to Remington Typewriter Company, Ilion, N. Y. Typewriting machine. 1,461,419; July 10.
Holding, Charles, et al. (See Brasche, Ferdinand F., assignor.)
Holland-Letz, Ludwig, Oak Park, Ill. Adjusting mechanism adapted for line control. 1,461,420; July 10.
Holton, Abner L., Big Stone Gap, Va. Lifting jack for motor vehicles. 1,461,353; July 10.
Holz, Henry C. F., Salt Lake City, Utah. Landing device. 1,461,660; July 10.
Hood, George J., Lawrence, Kans. Drawing instrument. 1,461,421; July 10.
Hoosier Manufacturing Company. (See Hall, Harry A., assignor.)
Hooven, Owens, Rentschler Company, The. (See Mitchell, Guy C., assignor.)
Honfenthaler, Joseph, and C. H. Fischer, Philadelphia, Pa. Water back for hot-air and other furnaces. 1,461,349; July 10.
Hopkins, James E., South Orange, N. J., assignor of one half to A. L. Wright, New York, N. Y. Receptacle for the storage and preservation of used paintbrushes. 1,461,618; July 10.
Hornstein, Michael, Paterson, N. J. Closure device. 1,461,242; July 10.
Hotchkiss, E. H., Company, The. (See Muth, John, assignor.)
Houchens, Hilda, et al. (See Hachmann, Frederick, assignor.)
Housekeeper, William G., assignor to Western Electric Company, Incorporated, New York, N. Y. Vacuum pump. 1,461,190; July 10.
Howard, Frank, Potter, Ky. Vaporizing device. 1,461,243; July 10.
Howard, Frank A. (See Winchester, G., and Howard.)
Howard, William R., Washington, D. C. Drilling tool. 1,461,037; July 10.
Howe Scale Company. (See Sonander, Andrew, assignor.)
Howell, Hamilton T., New York, N. Y., assignor to Alfred Vester Sons, Inc., Providence, R. I. Plate for lighting fixtures. Des. 62,632; July 10.
Huber, Philip H. (See Jasmin, Peter T., assignor.)
Hughes, John F., Penns Grove, N. J. Drying apparatus. 1,461,148; July 10.
Humphrey, Hubert R., assignor to General Gas Light Company, Kalamazoo, Mich. Gas heater. 1,461,191; July 10.
Humphrey, Hubert R., assignor to General Gas Light Company, Kalamazoo, Mich. Gas heater. 1,461,192; July 10.
Hunt, Alfred T., Brooklyn, N. Y. Apparatus for cutting diamonds. 1,461,149; July 10.
Hunt, John H., Dayton, Ohio, assignor to The Dayton Engineering Laboratories Company. Signal. 1,461,215; July 10.
Hunter, George W. (See Hunter, Thomas, H. and G. W.)
Hunter, John C., assignor to J. Meerse, Cincinnati, Ohio. Display stand. Des. 62,633; July 10.
Hunter, Thomas H. and G. W., Philadelphia, Pa. Rubber apron for carding machines. 1,461,527; July 10.
Huyler's. (See Pettit, Julia R., assignor.)
Hyman, Henry, & Company. (See Lipsky, Norman, assignor.)
Inaki, Toyojiro, Fresno, Calif. Washing machine. 1,461,354; July 10.
Ingersoll Milling Machine Company. (See Rose, H. C., and Oberhoffken, assignors.)
Ingstead, Ole, Lowell, Mass. Combination tool. 1,461,392; July 10.
International Harvester Company. (See Beall, William L., assignor.)
International Harvester Company. (See Jones, Emile W., assignor.)
International Harvester Company. (See Mitchell, Robert M., assignor.)
Irvine, Frank S., Huntington, assignor to Western Electric Company, Incorporated, New York, N. Y. Automatic switch. 1,461,528; July 10.
Irwin, Steve A., Robinson, Ill. Attachment for jacks. 1,461,355; July 10.
Ivancic, Alma, administratrix. (See Ivancic, Milan.)
Ivancic, Milan, deceased, Kilchberg, by A. Ivancic, administratrix, Zurich, Switzerland. Cooking device. 1,461,092; July 10.
Jackson, Graham H., Newark, N. J., assignor to Universal Tobacco Machine Company, New York, N. Y. Tobacco-leaf-booking drum. 1,461,122; July 10.
Jackson, Graham H., Newark, N. J., assignor to Universal Tobacco Machine Company, New York, N. Y. Tobacco-leaf booking machine. 1,461,150; July 10.
Jackson, Graham H., Newark, N. J., assignor to Universal Tobacco Machine Co., New York, N. Y. Tobacco-leaf machine. 1,461,529; July 10.
Jacobson, Sidney D., New York, N. Y. Safety device for flying machines. 1,461,216; July 10.
Jasmin, Peter T., assignor of one-half to P. H. Huber, Helena, Mont. Repair device for automobile springs. 1,461,273; July 10.
Jaubert, George F., Paris, France. Electrolyzing apparatus for the manufacture of oxygen and hydrogen. 1,461,661; July 10.
Jeffway, Philip J. (See Andreson, P. N., and Jeffway.)
Jenkins, Capitolia, Guthrie, Ky. Ornamental fabric. 1,461,581; July 10.
Jenkinson, Richard F., assignor of one-half to J. S. Free, Tuscaloosa, Ala. Apparatus for drying lumber. 1,461,393; July 10.
Johnson, Andrew, Milwaukee, Wis. Printing roller. 1,461,123; July 10.
Jolly, Thomas J., and W. F. Fitzpatrick, Ulysses, Nebr. Water turbine. 1,461,422; July 10.
Jones, Emile W., Chicago, Ill., assignor to International Harvester Company. Separating mechanism for thrashers. 1,461,314; July 10.
Jones, Leon B. (See Moore, R. S., and Jones.)
Justrite Manufacturing Company. (See Frisbie, William J., assignor.)
Kahl, William, Brooklyn, N. Y. Towel rack. 1,461,124; July 10.
Kamlouski, Joseph A., Chicago, Ill. Drafting instrument. 1,461,530; July 10.
Karl, Andrew J., Sistersville, and B. F. Webb, Bens Run, assignors to Webb Multispeed Winch Manufacturing Company, Sistersville, W. Va. Combined winch and support therefor. 1,461,637; July 10.
Kaustine Company. (See Gelbel, John F., assignor.)
Kavanaugh, Thomas E. (See Hagey, J. C., and Kavanaugh.)
Kawamura, Fred N., Denver, Color. Internal-combustion engines. 1,461,662; July 10.
Keeler, Herbert E., Chicago, Ill. Can opener. 1,461,151; July 10

Keeler, Herbert E., Chicago, Ill. Ice pick. 1,461,152; July 10.

Kelley, William V. D., Newark, assignor to Prizma, Incorporated, Jersey City, N. J. Color transparency. 1,461,356; July 10.

Kelley-Springfield Tire Company. (See Lacroix, Joseph D., assignor.)

Kelm, Richard E., Milwaukee, Wis. Humidifier for hot-air furnaces. 1,461,423; July 10.

Kemet Laboratories Company. (See Cooper, Hugh S., assignor.)

Kemmer, Jean, Ilion, N. Y. Gas burner. 1,461,663; July 10.

Kendall, Carl W., Glenside, Pa., assignor to Columbia Machine and Stopper Co. Inc., New York, N. Y. Compensating mechanism for bottle-capping machines. 1,461,550; July 10.

Kengel, George J. (See Smith, J. H., and Kengel.)

Kern, William H., Jersey City, N. J. Single-tube pneumatic tire. 1,461,485; July 10.

Kershner, George, Hutchinson, Kans. Hydraulic salt press. 1,461,093; July 10.

Keyes, Eugene L., Chicago, Ill., assignor to United Shoe Machinery Corporation, Paterson, N. J. Heel-seat lasting and nailing machine. 1,461,153; July 10.

Keyes, Frederic G., assignor to Cooper Hewitt Electric Company, Hoboken, N. J. Starter for electrical translating devices. 1,461,038; July 10.

Klewicz, John, assignor to The Reece Button Hole Machine Company, Boston, Mass. Sewing machine. 1,461,619; July 10.

Kimball, A., Company. (See Marsh, Alonzo K., assignor.)

Kimmerle Bros. (See Hayward, Frank W., assignor.)

Kirschbraun, Lester, Chicago, Ill. Composition for saturating fabrics and making same. 1,461,445; July 10.

Kishpaugh, John M., Pasadena, Calif. Liquid measuring and dispensing vessel. 1,461,486; July 10.

Klaus, Fred R., and F. H. Meyer, Warren, Ohio. Making cushion-tire structures. 1,461,531; July 10.

Klein, Benjamin F. (See Ptleager, Roscoe C., assignor)

Kling, Fred E., Youngstown, Ohio. Hot-blast stove. 1,461,357; July 10.

Kloeb, Boniface R. and J. A., Hoboken, N. J. Gaseous-fuel burner. 1,461,394; July 10.

Kloeb, Joseph A. (See Kloeb, Boniface R. and J. A.)

Kleman, Charles A., Bellevue, assignor to The Colonial Engineering Company, Pittsburgh, Pa. Plate-feeding mechanism. 1,461,358; July 10.

Knapp, Willis, Salt Lake City, Utah. Fluid motor. 1,461,620; July 10.

Knigge, Otto C., New York, N. Y. Direction indicator. 1,461,664; July 10.

Knoll Manufacturing Co. (See Lengel, Irvin D., assignor.)

Koelling, Addie, et al. (See Hachmann, Frederick, assignor.)

Koepfler, William P., Ponchatoula, La. Grease cup. 1,461,665; July 10.

Kosakoff, William, et al. (See Berzon, Louis, assignor.)

Kraemer, Otto J., Portland, Oreg. Combined reading guide, paper cutter, and bookmark. 1,461,395; July 10.

Krakan, Frank G., Pittsburgh, Pa. Automobile spring. 1,461,274; July 10.

Kranzl, Leopold, Seattle, Wash. Milk-bottle handle. 1,461,621; July 10.

Kriehn, Evelyn V., New York, N. Y. Brush. Des. 62,634; July 10.

Kuehner, Arthur T., Elkridge, Md. Locomotive smoke-box front. 1,461,315; July 10.

Kulp, Harry W., and M. C. Dellinger, Lancaster, Pa. Valve-spring-lifter lock. 1,461,275; July 10.

L. and H. Special Machine Co., The. (See Lindner, Arthur E., assignor.)

La Bour, Harry E., Chicago, Ill. Pumping system. 1,461,622; July 10.

La Casse, Eugene R., assignor of one-half to C. A. Haag, jr., Syracuse, N. Y. Indexing plate for milling machines. 1,461,316; July 10.

La Chapelle, Fred N., Beverly, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J. Welt-beating machine. 1,461,062; July 10.

Lacroix, Joseph D., New Orleans, La., assignor to Kelly-Springfield Tire Company, Akron, Ohio. Fabric-stitching device. 1,461,125; July 10.

Laibach, Franz, New York, N. Y. Lookout or door peep. 1,461,487; July 10.

Lancaster Iron Works. (See Hanson, G., and Nelson, assignors.)

Lane, Edwin C., Mahwah, N. J. Cutter bar for lawn mowers. 1,461,532; July 10.

Laperou, August. (See Hakes, D. E., and Laperou.)

Larsen, Haakon S., Christiania, Norway. Potato-planting machine. 1,461,396; July 10.

Larsen, Hans, Racine, Wis. Pneumatic toy. 1,461,193; July 10.

Larsh, James E., Cheviot, assignor to The Fosdick Machine Tool Company, Cincinnati, Ohio. Clamping mechanism for radial drilling machines. 1,461,666; July 10.

Lasure, Floyd E., Waukesha, Wis. Tobacco pipe. 1,461,126; July 10.

Lasure, Floyd E., Waukesha, Wis. Tobacco pipe. 1,461,127; July 10.

Lawrence, Samuel E., Saybrook, Ill. Vehicle towing mechanism. Re15,649; July 10.

Lazerick, David L., Cleveland, Ohio. Puncturepproof reliner for pneumatic tires and casings. 1,461,217; July 10.

Leblanc, Charles L. A. M., assignor to Societe Anonyme Pour l'Exploitation des Procedes Maurice Leblanc-Vickers, Paris, France. Commutating system for electrical machines. 1,461,446; July 10.

Leblanc, Maurice, Val-sur-Seine par Croissy, France, assignor to Societe Anonyme pour l'Exploitation des Procedes, Westinghouse Leblanc, Paris, (Seine), France. Steam-ejector apparatus. 1,461,447; July 10.

Lebleson, Minnie, Guttenberg, N. J. Strainer and stopper for pipes. 1,461,317; July 10.

Lebow, Maurice, assignor to Dorf & Company, Baltimore, Md. Adjustable cap. 1,461,623; July 10.

Lederer, Anton, Vienna, Austria, assignor to Westinghouse Lamp Company. Electric gas lamp. 1,461,359; July 10.

Lederer, Anton, Vienna, Austria, assignor to Westinghouse Lamp Company. Electric gas lamp. 1,461,360; July 10.

Leech, Benjamin, Macclesfield, assignor of one-half to Henry & Leigh Slater, Limited, Manchester, England. Apparatus for the electrolytic production of metallic alloys in the form of paste or sludge. 1,461,276; July 10.

Leech, Edward W., jr., Baltimore, Md. Spring oiler. 1,461,244; July 10.

Leech, Edward W., jr., Baltimore, Md. Spring oiler. 1,461,245; July 10.

Leibing, Joseph K., assignor to Splitdorf Electrical Company, Newark, N. J. Magneto ignition device. 1,461,128; July 10.

Leidgen, Nicholas C., Detroit, Mich. Sash raising and lowering device. 1,461,277; July 10.

Leinert, Wenzel W., New York, N. Y. Liquid measuring machine. 1,461,424; July 10.

Lengel, Irvin D., assignor to Knoll Manufacturing Co., Reading, Pa. Multiple-tub washing machine. 1,461,318; July 10.

Lent, Alfred H., Capitola, Calif. Fishing tackle. 1,461,246; July 10.

Leslie, Freeland D., Milton, Mass. Removable valve seat for ball cocks. 1,461,039; July 10.

Levy, Albert L., Youngstown, Ohio. Split-rim tool. 1,461,194; July 10.

Levy, Isidor, Brooklyn, N. Y. Receptacle. 1,461,667; July 10.

Lewis, George W., Chicago, Ill. Dustpan. 1,461,624; July 10.

Lichtman, Michael, New York, N. Y. Telescope. 1,461,063; July 10.

Lignell, Peter, et al. (See Nelson, Otto, assignor.)

Lindner, Arthur E., Brooklyn, assignor to The L. and H. Special Machine Co., Inc., New York, N. Y. Buttonhole-sewing machine. 1,461,040; July 10.

Linebaugh, Edward R., Barberton, Ohio, assignor to The Diamond Match Company, Chicago, Ill. Paper-cutting machine. 1,461,425; July 10.

Lingenfelter, George, Sandy, Oreg. Orchard heater. 1,461,247; July 10.

Lipsky, Norman, New York, N. Y., assignor to Henry Hyman & Company, Inc. Lighting-fixture pan. Des. 62,635; July 10.

Lipsky, Norman, New York, N. Y., assignor to Henry Hyman & Company, Inc. Lighting-fixture pan. Des. 62,636; July 10.

Lipsky, Norman, New York, N. Y., assignor to Henry Hyman & Company, Inc. Lighting-fixture band. Des. 62,637; July 10.

Lipsky, Norman, New York, N. Y., assignor to Henry Hyman & Company, Inc. Lighting-fixture body. Des. 62,638; July 10.

Lipsky, Norman, New York, N. Y., assignor to Henry Hyman & Company, Inc. Lighting-fixture arm. Des. 62,639; July 10.

List, Henry, Susquehanna, Pa. Doughtnut cooking machine. 1,461,488; July 10.

Lisowski, Maryan L., Cranford, N. J. Apparatus for building construction. 1,461,426; July 10.

Listo Pencil Corporation. (See Wehn, Charles E., assignor.)

Ljungström, Fredrik, Lidingo-Brevik, Sweden, assignor to Aktiebolaget Ljungströms Angturbin. Turbine-driven locomotive. 1,461,278; July 10.

Longfellow, Ellis E., deceased, El Reno, Okla.; M. R. Longfellow, executrix. Lock. 1,461,279; July 10.

Longfellow, Margaret R., executrix. (See Longfellow, Ellis E.)

Loomis, Crawford C., Ilion, N. Y. Method of and means for forming gun barrels. 1,461,129; July 10.

Lorenz & Weide. (See Weide, Hans, assignor.)

Lorenz, William A., assignor to The Otaka Fabric Company, Hartford, Conn. Wall paper. 1,461,397; July 10.

Loughead, Malcolm, Detroit, Mich., assignor to Four Wheel Hydraulic Brake Company, Los Angeles, Calif. Assembling hose and fitting. 1,461,130; July 10.

Lowe, John M., Butler, Ind. Windmill regulator. 1,461,489; July 10.

Lox Seal Corporation. (See Behrman, Marcus B., assignor.)

Lubker, Harold E., Grand Junction, Colo. Fish tape puller. 1,461,361; July 10.

Lummus Cottou Gin Company. (See Grimes, Thaddeus S., assignor.)

Lund, Arthur A. (See McGowan, C., Peterson, and Lund.)

Lyles, James N., Addison Heights, Va. Nonglare reflector. 1,461,362; July 10.

Lynn Last Company. (See Goodwin, Abraham E., assignor.)

McAnulty, Andrew, Ottawa, Ontario, Canada. Safety guard for razors. 1,461,490; July 10.

McBride, Cleavie, Los Angeles, Calif. Oven. 1,461,280; July 10.

McCabe, Hugh, Lawrence, Mass. Flanging machine. 1,461,041; July 10.

McCann, Michael, Glenmorris, assignor to Frederick Osann Company, New York, N. Y. Snap-fastener clamp for sewing machines. 1,461,427; July 10.

McCann, Michael, Glenmorris, assignor to Frederick Osann Company, New York, N. Y. Sewing machine. 1,461,428; July 10.

McClintock, Ora D., San Francisco, Calif. Hair curler. 1,461,533; July 10.

McConnell, James W., Washington, D. C., assignor to Government of the United States. Reducing valve. 1,461,248; July 10.

McCrary, John M. (See Coburn, J. M., and McCrary.)

McGary, Alexander, New York, N. Y. Steam-locomotive lighting system. 1,461,534; July 10.

McGee, Frank R., Steubenville, Ohio. Utensil holder. 1,461,363; July 10.

McGee, Oscar P., Dallas, Tex. Elevator-door hanger. 1,461,249; July 10.

McGlone, Ignatius V. (See Powell, George G., assignor.)

McGowan, Charles, G. Peterson, and A. A. Lund, Susanville, Calif. Car-door roller. 1,461,535; July 10.

McGowan, Henry B., Hurley, Okla. Well-drilling tool. 1,461,154; July 10.

McKay, Leslie J., et al. (See Roman, Newman A., assignor.)

McKean, John O., assignor to Foster Machine Company, Westfield, Mass. Yarn-tension device. 1,461,536; July 10.

McKean, John O., assignor to Foster Machine Company, Westfield, Mass. Yarn-tension device. 1,461,537; July 10.

McKechnie, James, and W. F. Rabbidge, Barrow-in-Furness, assignors to Vickers Limited, London, England. Means for indicating error in direction of rotation of shafts and other mechanical rotary members. 1,461,448; July 10.

McKenzie, Angus, Canton, Ohio, assignor to United Alloy Steel Corporation, New York, N. Y. Sheet-metal building. 1,461,538; July 10.

McKenzie, Pearl B., Sedalia, Mo. Bracelet. 1,461,250; July 10.

McLaren, Peter, Whittier, Calif. Automobile signal. 1,461,251; July 10.

McMullen, Joseph B., Catonsville, assignor to Acme Motor Shield Corporation, Baltimore, Md. Windshield visor. 1,461,398; July 10.

McWhirter, William C., Wilkinsburg, assignor to The Westinghouse Air Brake Company, Wilmerding, Pa. Automotive brake. 1,461,042; July 10.

McWhorter, P. L. (See Brockson, James W., assignor.)

Mabee, Charles R., and M. C. Mabee, Buffalo, N. Y. Device for condensing gases. 1,461,364; July 10.

Mabee, May C. (See Mabee, Charles R. and M. C.)

Macmillan, Campbell, Schenectady, N. Y., assignor to General Electric Company. Ship-propulsion system. 1,461,551; July 10.

Macy, James S. (See Macy, Pearl H. and J. S.)

Macy, Pearl H. and J. S., Weehawken, N. J. Floor-mop attachment. 1,461,319; July 10.

Madden, Harry D., Irvington, and J. J. Higgins, East Orange, N. J., assignors to Westinghouse Lamp Company. Method of and apparatus for manufacturing incandescent lamps. 1,461,155; July 10.

Male, Courtney T., Schenectady, N. Y. Universal fixture. 1,461,668; July 10.

Mallinckrodt Chemical Works. (See Mallinckrodt, Edward, jr., assignor.)

Mallinckrodt, Edward, jr., assignor to Mallinckrodt Chemical Works, St. Louis, Mo. Purifying and packaging ether. 1,461,539; July 10.

Manifold Impressions Corporation. (See Cossitt, Malcolm L., assignor.)

Manufacturers Chemical Company. (See Harrison, George H., assignor.)

Marcello, Frank A., assignor of four-tenths to J. Franchi, St. Paul, Minn. Polishing machine. 1,461,708; July 10.

Marks, John, Pearl River, N. Y. Spark plug. 1,461,320; July 10.

Marks, William B., Waterbury, Conn. Electric combination switch for automobiles. 1,461,429; July 10.

Marsh, Alonzo K., assignor to A. Kimball Company, New York, N. Y. Marking ticket. 1,461,625; July 10.

Marten, Thomas H., Toronto, Ontario, Canada. Producing visual depth in projected pictures. 1,461,131; July 10.

Marten, Thomas H., Toronto, Ontario, Canada. Producing visual depth in projected pictures. 1,461,132; July 10.

Marten, Thomas H., Toronto, Ontario, Canada. Projection device. 1,461,133; July 10.

Martens, Frantz A., assignor to Martens' Patent "Twisting-In" Machine Co. Ltd., Copenhagen, Denmark. Mechanical thread-pasting apparatus. 1,461,281; July 10.

Martens' Patent "Twisting-In" Machine Co. Ltd. (See Martens, Frantz A., assignor.)

Martin, Charles P. (See Gist, F. B., and Martin.)

Martin, De Loss K., Orange, N. J., assignor to American Telephone and Telegraph Company. Multiplex transmission circuits. 1,461,064; July 10.

Martin, Francis L., Brooklyn, assignor of one-half to A. W. Swiezy, New York, N. Y. Loose-leaf connection. 1,461,669; July 10.

Martin, Milton G., Stevens Point, Wis. Cuspidor. 1,461,156; July 10.

Maslen, Frank A., et al. (See Walper, Curry O., assignor.)

Mason, Fred H., Chinchilla, Pa. Mirror support. 1,461,626; July 10.

Massey, Solon P., Denver, Colo. Stove. 1,461,065; July 10.

Mathieson, Hugh M., Glasgow, Scotland. Score-indicating device for games. 1,461,449; July 10.

Mathiotte, Paul, Neuilly-sur-Seine, assignor to Pathe Cinema, Anciens Etablissements Pathe Freres, Paris, France. Frame for the horizontal development of film plates. 1,461,321; July 10.

Matlock, Caswell C. (See Gilman, F. L., and Wilson, assignors.)

Matson, Olmyes R., Columbus, Wis. Tobacco packer. 1,461,491; July 10.

Maull, Edward N., Orlando, assignor to Skinner Machinery Company, Dunedin, Fla. Buffing machine. 1,461,134; July 10.

Maxwell, Rudolph N., Cincinnati, Ohio. Game. 1,461,218; July 10.

Maynes, Hyla F., Gaines, Pa. Amusement apparatus. 1,461,322; July 10.

Mayol, Frank E., Salt Lake City, Utah. Container for frozen dainties. Des. 62,640; July 10.

Maytag Company. (See Snyder, Howard E., assignor.)

Mee, Thomas, jr., Clinton, Ill. Electric lantern. 1,461,540; July 10.

Meerse, Jacob. (See Hunter, John C., assignor.)

Meigs, Basil. (See Torkelson, E. M., and Meigs.)

Mellor Bromley & Co. Limited. (See Bromley, T. C., and Cavers, assignors.)

Messer, Ernest G. (See Solinger, H. R., and Messer.)

Meyer, Frank H. (See Klaus, F. R., and Meyer.)

Meyer, Waldemar, Woodhaven, N. Y. Fastening means for ships' plates. 1,461,195; July 10.

Miehle Printing Press and Manufacturing Company. (See Henderson, Carl, assignor.)

Miller, Calvin C., Summit Hill, Pa. Toy. 1,461,066; July 10.

Miller, Edward W., Springfield, assignor to The Fellows Gear Shaper Company, Springfield, Vt. Machine for generating and cutting threads and the like. 1,461,219; July 10.

Miller, Frederick H., Portland, Oreg. Machine for making ice-cream cones and the like. 1,461,709; July 10.

Mills, Bernard, Brooklyn, N. Y., R. R. Row and H. C. Davis, Elizabeth, N. J., assignors to Row & Davis, Engineers, Inc. Heating system. 1,461,541; July 1.

Mills, Claude B., High River, Alberta, Canada. Saddle. 1,461,282; July 10.

Mills, William P., assignor to Moore Push-Pin Company, Philadelphia, Pa. Device for inserting map tacks. 1,461,670; July 10.

Miot, Georges. (See Casalonga, L. D. A., and Miot.)

Mitchell, Guy C., assignor to The Hooven, Owens, Rentschler Company, Hamilton, Ohio. Hydraulic bearing for sugar mills and the like. 1,461,135; July 10.

Mitchell, Robert M., Chicago, Ill., assignor to International Harvester Company. Corn sheller. 1,461,283; July 10.

Mittag, Albert H., Schenectady, N. Y., assignor to General Electric Company. Ship-propulsion system. 1,461,552; July 10.

Mittag, Albert H., Schenectady, N. Y., assignor to General Electric Company. Electric ship propulsion. 1,461,553; July 10.

Modernola Company. (See Friedline, William H., assignor.)

Moll, William C., Brooklyn, N. Y. Fishing reel. 1,461,043; July 10.

Montgomery, James W., Thomasville, Ga. Singletree. 1,461,430; July 10.

Moody, John F., Brooklyn, N. Y., assignor to American Telephone and Telegraph Company. Electrical testing instrument. 1,461,492; July 10.

Moore & Moore, Inc. (See Moore, MacCormick G., assignor.)

Moore, Charles R., Wyoming, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y. Submarine signaling. 1,461,220; July 10.

Moore, Edward, assignor to Splitdorf Electrical Company, Newark, N. J. Governing device for internal-combustion engines. Re15,650; July 10.

Moore, MacCormick G., Wyomissing, assignor to Moore & Moore, Inc., Reading, Pa. Dipper tooth. 1,461,136; July 10.
Moore Push-Pin Company. (See Mills, William P., assignor.)
Moore, Richard S., and L. B. Jones, Rockdale, Tex. Oil filter. 1,461,627; July 10.
Moore, Robert H., assignor to Capron Company, Providence, R. I. Vernier tuning dial. 1,461,493; July 10.
Morris, Charles W., Laramie, Wyo. Oil-well bailer. 1,461,365; July 10.
Morris, John W. (See Faidley, W. D., jr., Morris, and Patterson.)
Morris, William T., Brooklyn, N. Y., assignor to American Chain Company, Inc. Automobile bumper. 1,461,431; July 10.
Mortimer, Louis A., assignor to Western Electric Company, Incorporated, New York, N. Y. Telephone-exchange system. 1,461,221; July 10.
Moser, Robert W., Robbinsdale, Minn. Apparatus for treating sand and gravel. 1,461,067; July 10.
Moyle, Edward H., assignor of one-half to O. M. Souden, Los Angeles, Calif. Bill ironer and sterilizer. 1,461,252; July 10.
Mueller, L. J., Furnace Company. (See Buller, Charles M., assignor.)
Mulford, Harold V., and W. D. Felty, Paulsboro, N. J. Cooking utensil. 1,461,366; July 10.
Mundie, George W., Peru, Ill. Draft-controlling means for tank heaters. 1,461,137; July 10.
Murphy, P. H., Company. (See Bonsall, Charles D., assignor.)
Murphy, Walter P. (See Gilpin, Garth G., assignor.)
Muth, John, assignor to The E. H. Hotchkiss Company, Norwalk, Conn. Staple-driving machine. 1,461,137; July 10.
Myers, Hubert A., assignor to The Hubert A. Myers Company, Toledo, Ohio. Machine for delivering cores to molds. 1,461,222; July 10.
Myers, Hubert A., Company, The. (See Myers, Hubert A., assignor.)
National Biscuit Company. (See Davidson, Frank B., assignor.)
National Carbon Company. (See French, H. F., and Benner, assignors.)
Nauts, Frank A., assignor to The Gendron Wheel Company, Toledo, Ohio. Hub-bearing construction. 1,461,223; July 10.
Nedved, Emanuel W., Millboro, S. Dak. Calf weaner. 1,461,582; July 10.
Nelson, Charles A. (See Hanson, G., and Nelson.)
Nelson, Otto, assignor of one-fourth to P. P. Teter and one-fourth to P. Lignell, Chicago, Ill. Gas engine. 1,461,494; July 10.
Neuland, Alfons H., Jersey City, N. J. Dynamo-electric machine. 1,461,542; July 10.
New Home Sewing Machine Company, The. (See Welker, Louis, jr., assignor.)
Newsham, Roy V., Oakland, Calif. Combination billing system. 1,461,299; July 10.
Newton, Dudley, San Francisco, Calif., assignor of one-half to W. A. Goerlcke. Device for flushing toilet fixtures. 1,461,284; July 10.
Nichols, Elmer E., Oakland, Calif. Aeroplane. 1,461,700; July 10.
North East Electric Company. (See Dorsey, Farnum P., assignor.)
Norton Company. (See Greenwood, Wallace W., assignor.)
Nussbaum, Leon M. (See Dusche, Frederick W., assignor.)
Oberhoffken, Alexander. (See Rose, H. C., and Oberhoffken.)
Ocheltree, Joseph L., jr., Norfolk, Va. Locking device. 1,461,400; July 10.
Olsen, John K., assignor to Stewart-Warner Speedometer Corporation, Chicago, Ill. Quick-detachable searchlight mounting. 1,461,285; July 10.
Olson, Herbert O., Rockford, Ill. Decimal-equivalent chart. 1,461,138; July 10.
Orr, James W., Kansas City, Mo. Emergency brake. 1,461,401; July 10.
Osann, Frederick. Company. (See McCann, Michael, assignor.)
Otaka Fabric Company, The. (See Lorenz, William A., assignor.)
Ott, Harry G. (See Ott, Harvey N. and H. G.)
Ott, Harvey N. and H. G., assignors to Spencer Lens Company, Buffalo, N. Y. Condenser or illuminator for microscopes. 1,461,367; July 10.
Ottinger, Leon, New York, N. Y. Protecting device for latch parts. 1,461,044; July 10.
Owen, Obadiah N., Phoenix, Ariz. Garbage can. 1,461,253; July 10.
P & M Company, The. (See Blair, Rolandis A., assignor.)
Pansche, Jens A., Chicago, Ill. Air separator. 1,461,045; July 10.
Packard Motor Car Company. (See Tibbetts, Milton, assignor.)
Paeplow, Charles H., Buffalo, N. Y. Apparatus for use in making belts or the like. 1,461,368; July 10.
Page Machine Co. (See Everett, Arthur S., assignor.)
Pagé, Victor W., Kew Gardens, New York, N. Y. Timing index. 1,461,671; July 10.
Pagé, Victor W., Kew Gardens, New York, N. Y. Spring mounting. 1,461,672; July 10.
Paine, Nathan, Oshkosh, Wis. Door construction. 1,461,196; July 10.
Paine, William W., Palms, Calif. Entrance arch. Des. 62,641; July 10.
Piper, Vance G. (See Giddings, Frank R., assignor.)
Palecek, William, et al. (See Brasche, Ferdinand F., assignor.)
Papin, Oscar C., Dubuque, Iowa. Flush tank. 1,461,673; July 10.
Papouchis, Christ, Far Rockaway, N. Y. Game apparatus. 1,461,432; July 10.
Paridon, Michael, Barberton, Ohio, assignor to The Diamond Match Company, Chicago, Ill. Machine for making match books. 1,461,433; July 10.
Paridon, Michael, Barberton, Ohio, assignor to The Diamond Match Company, Chicago, Ill. Machine for making match books. 1,461,434; July 10.
Parke, Carl C., Denver, Colo. Garage-door lock. 1,461,158; July 10.
Parlow, Anna, Coello, Ill. Signal and guide light for motor vehicles. 1,461,197; July 10.
Parson, Gordon, Plainfield, N. J. Automobile brake. 1,461,674; July 10.
Pathe Cinema, Anciens Etablissements Pathe Freres. (See Mathiotte, Paul, assignor.)
Pathe Cinema Anciens Etablissements Pathe Freres. (See Salins, Georges A., assignor.)
Patrick, Joshua, Detroit, Mich. Magnetic speedometer. 1,461,628; July 10.
Patterson, Frederick W., Pittsburgh, Pa. Restoring poles. 1,461,046; July 10.
Patterson, Samuel A. (See Faidley, W. D., jr., Morris, and Patterson.)
Paul, Francois, Montreal, Quebec, Canada. Sanitary apparatus for water-closets. 1,461,139; July 10.
Pearson, John W., San Francisco, Calif. Drying apparatus. 1,461,224; July 10.
Peilissier, Vital, Merced, Calif. Controlling device for drawn implements. 1,461,198; July 10.
Pellow, Arthur, assignor to American Optical Company, Southbridge, Mass. Lens grinder. 1,461,094; July 10.
Perlmann, Schal & Stern. (See Schüler, Ernst O., assignor.)
Perse, Peter A., jr., Pueblo, Colo. Shade-roller fixture. 1,461,583; July 10.
Pessell, Robert C., Bath, England. Signaling apparatus. 1,461,402; July 10.
Peters, John W., Roslyn, N. Y. Lawn mower. 1,461,323; July 10.
Peterson, Gustaf. (See McGowan, C., Peterson, and Lund.)
Petroleum Heat and Power Company. (See Fesler, Milton A., assignor.)
Pettit, Julia R., Montclair, N. J., assignor to Huyler's, New York, N. Y. Candy novelty. 1,461,543; July 10.
Pfeffer, Anthony P., Detroit, Mich. Transmission band. 1,461,286; July 10.
Pfiffner, Emil, Frybourg, Switzerland. High-tension condenser. 1,461,287; July 10.
Pfleager, Roscoe C., assignor to B. F. Klein, Cleveland, Ohio. Lighting fixture. Des. 62,642; July 10.
Pflenger, Roscoe C., assignor to B. F. Klein, Cleveland, Ohio. Lighting fixture. Des. 62,643; July 10.
Pfleager, Roscoe C., assignor to B. F. Klein, Cleveland, Ohio. Lighting fixture. Des. 62,644; July 10.
Pfleager, Roscoe C., assignor to B. F. Klein, Cleveland, Ohio. Lighting fixture. Des. 62,645; July 10.
Phenix Cheese Company. (See Eldredge, Elmer E., assignor.)
Picot, Georges-Valentin, Paris, France. Machine for making bricks, tiles, and other building materials. 1,461,159; July 10.
Poppenhusen, Herman A., Hammond, assignor to Green Engineering Company, East Chicago, Ind. Stoker furnace. 1,461,450; July 10.
Porter, Raphael A., Payson, Utah. Vegetable slicer. 1,461,160; July 10.
Post, Truman W., Providence, R. I., assignor to Electric Auto-Lite Corporation, Toledo, Ohio. Headlight. 1,461,544; July 10.
Powell, A. L., Power Co., The. (See Powell, Alvah L., assignor.)
Powell, Alvah L., assignor to The A. L. Powell Power Co., Inc., Miles City, Mont. Internal-combustion engine. 1,461,495; July 10.
Powell, George G., New York, assignor of one-half to I. V. McGlone, Jamaica, N. Y. Making concrete piles. 1,461,451; July 10.
Pratt, William B., Wellesley, assignor to E. H. Clapp Rubber Company, Boston, Mass. Reclaiming vulcanized rubber. 1,461,675; July 10.
Primrose, John W., Clarksdale, Miss. Animal trap. 1,461,288; July 10.
Primrose, John W., Clarksdale, Miss. Eyeshield attachment for motor vehicles. 1,461,289; July 10.
Pritchard, John A., Chicago, Ill., assignor, by mesne assignments, to Structural Gypsum Corporation, New York, N. Y. Building construction. 1,461,452; July 10.
Prizma, Incorporated. (See Kelley, William V. D., assignor.)
Proctor & Schwartz, Incorporated. (See Schwartz, Walter M., assignor.)

Prouty, Charles N., Spencer, Mass. Bedclothes holder. 1,461,199; July 10.
Psilander, Charles A., assignor to William Wharton, jr. & Company Incorporated, Easton, Pa. Frog or crossing structure. 1,461,701; July 10.
Puening, Franz, Pittsburgh, Pa., assignor to American Tar Products Company, Chicago, Ill. Apparatus for coking liquefiable bituminous materials. 1,461,324; July 10.
Purnell, William R., Philadelphia, Pa. Mechanical pressure atomizing fuel burner. 1,461,545; July 10.
Pytlak, Stanley, McMechen, W. Va. Wall-papering device. 1,461,453; July 10.
Q R S Music Company, The. (See Hagey, J. C., and Kavanaugh, assignors.)
Quénard, Lucien M., Royan, France. Hose clamp. 1,461,290; July 10.
Quinn, E. J. (See Regan, Patrick T., assignor.)
Quist, John, Detroit, Mich. Fire kindler. 1,461,496; July 10.
Rabbidge, William F. (See McKechnie, J., and, Rabbidge.)
Raffay, Andrew, Schenectady, N. Y. Bushing extractor. 1,461,554; July 10.
Ramage, John H., Norfolk, Va., assignor to Westinghouse Lamp Company. Treating filaments for incandescent electric lamps. 1,461,140; July 10.
Rarig, Walter A., Oakland, Calif. Oiler for engines. 1,461,325; July 10.
Rauschenberg, Emil C., assignor to Wheeling Mold & Foundry Co., Wheeling, W. Va. Cast-metal annealing box. 1,461,555; July 10.
Ray, Joseph L., South Orange, N. J. Advertising sign. 1,461,047; July 10.
Ray, William. (See Ellis, Wallace, assignor.)
Read, Charles F. (See Read, William L., assignor.)
Read, William L., assignor of one-half to C. F. Read, Chicago, Ill. Coupling head. 1,461,225; July 10.
Reddig, Charles E., Richmond Hill, assignor to Western Electric Company, Incorporated, New York, N. Y. Clothes wringer. 1,461,226; July 10.
Redman, Walter H., Newark, N. J., assignor, by mesne assignments, to H. Boker & Co., Inc. (of N. J.), New York, N. Y. Hair clipper. 1,461,326; July 10.
Reece Button Hole Machine Company, The. (See Kiewicz, John, assignor.)
Reece, Franklin A. (See Reece, John and F. A.)
Reece, John, assignor to Reece Transmission Company, Boston, Mass. Variable-speed transmission. 1,461,556; July 10.
Reece, John, assignor to Reece Transmission Company, Boston, Mass. Power transmission. 1,461,557; July 10.
Reece, John, assignor to Reece Transmission Company, Boston, Mass. Power-transmission apparatus. 1,461,558; July 10.
Reece, John, Boston, and F. A. Reece, Brookline, assignors to Reece Transmission Company, Boston, Mass. Power-transmission apparatus. 1,461,559; July 10.
Reece Transmission Company. (See Reece, John, assignor.)
Reece Transmission Company. (See Reece, John and F. A., assignors.)
Reed, Robert W., Rochester, Minn. Surgical appliance, brace, and socket for arms and legs. 1,461,161; July 10.
Regan, Patrick T., assignor of one-half to E. J. Quinn, Bayonne, N. J. Rack. 1,461,676; July 10.
Regensteiner, Theodore, Chicago, Ill. Printing roller. 1,461,068; July 10.
Reilly, James F., Philadelphia, Pa. Trolley. 1,461,454; July 10.
Reiner, Abram M., Cleveland, Ohio. Windshield. 1,461,095; July 10.
Reinhart, Francis M., Rudolph, Wis. Silo ladder. 1,461,291; July 10.
Reiss, Paul, assignor to the Firm Gutschow & Co. G. m. b. H., Danzig, Germany. Tens-carrying device for calculating machines. 1,461,455; July 10.
Remington Typewriter Company. (See Barr, John H., assignor.)
Remington Typewriter Company. (See Cook, Harry E., assignor.)
Remington Typewriter Company. (See Holden, Joseph B., assignor.)
Remington Typewriter Company. (See Schmidt, Peter L., assignor.)
Reyburn, John R., Fairfield, Conn., assignor to American Chain Company, Inc. Tread section for antiskid devices for vehicle wheels. 1,461,327; July 10.
Reynolds, Alonzo G., Oakland, Calif. Concrete wall. 1,461,369; July 10.
Reynolds, Clarence N., jr., Providence, R. I. Slide rule. 1,461,677; July 10.
Reynolds, John N., Greenwich, Conn., assignor to Western Electric Company, Incorporated, New York, N. Y. Line switch. Re15,644; July 10.
Reynolds, Joy S., assignor of one-half to C. A. Balcom, San Francisco, Calif. Automatic cut-out. 1,461,456; July 10.
Rheinische Metallwaaren- und Maschinenfabrik. (See Romberg, Heinrich, assignor.)
Rhobecker, Henry, Columbus, Ohio. Car door. 1,461,678; July 10.
Rice, Percy F., Tustin, Calif. Gear-shift lever. 1,461,457; July 10.
Rich, George R., Los Angeles, Calif. Valve tappet for internal-combustion engines. 1,461,560; July 10.
Richards, Thomas, sr., Portage, Pa. Railway mine tie and rail fastener. 1,461,069; July 10.
Richards, Thomas T., et al. (See Hachmann, Frederick, assignor.)
Richmond Lace Works. (See Smedley, Thomas H., assignor.)
Rigg, Charles D., Altoona, Pa. Bow for musical instruments. 1,461,096; July 10.
Rimailho, Emile, Paris, France. Regulating device for the flow of liquid in artillery brakes. 1,461,403; July 10.
Rippl, Charles H., assignor to The Electric Controller & Manufacturing Company, Cleveland, Ohio. Overload device. 1,461,370; July 10.
Rix, Edward A., San Francisco, Calif. Liquid measuring and dispensing apparatus. 1,461,292; July 10.
Robbins, Grover C., Blowing Rock, N. C. Radius leaf. 1,461,497; July 10.
Roberts, Lewis D., Washington, D. C. Can opener. 1,461,162; July 10.
Robertson, Robert, London, assignor of one-half to F. H. Austin, Audlem, Chester, England. Apparatus for spraying liquids by compressed air. 1,461,546; July 10.
Robinson, Arthur W., San Antonio, Tex. Automatic flushing apparatus. 1,461,163; July 10.
Robinson, Charles O., Bismarck, N. Dak. Convertible baby carriage. 1,461,458; July 10.
Rogers, Charles E., Detroit, Mich. Condensing fluids. 1,461,164; July 10.
Rogers, Everett L., jr., Providence, R. I. Collar holder. 1,461,328; July 10.
Roggen, Isaac, Yonkers, N. Y. Garment. 1,461,679; July 10.
Roman, Newman A., assignor of one-fourth to L. J. McKay and one-fourth to H. Hess, Deer Trail, Colo. Windmill wheel. 1,461,048; July 10.
Romberg, Heinrich, Dusseldorf, assignor to the Firm Rheinische Metallwaaren- und Maschinenfabrik, Dusseldorf-Derendorf, Germany. Recoil gun. 1,461,561; July 10.
Rooney, Elwin H., Providence, R. I. Cotton-cleaning machine. 1,461,562; July 10.
Root, Le Roy, Brooklyn, N. Y., assignor to Scovill Manufacturing Company, Waterbury, Conn. Lip-stick container. 1,461,680; July 10.
Rosacker, Max F., Mount Penn, Pa. Arm for lighting fixtures. Des. 62,646; July 10.
Rose, Howard C., and A. Oberhoffken, Detroit, Mich., assignors to Ingersoll Milling Machine Company, Rockford, Ill. Circular-milling machine. 1,461,097; July 10.
Rose, Howard C., and A. Oberhoffken, Detroit, Mich., assignors to Ingersoll Milling Machine Company, Rockford, Ill. Milling machine. 1,461,098; July 10.
Roseth Corporation. (See Rottman, George, assignor.)
Roth, Pedro, Buenos Aires, Argentina. Automatic valve. 1,461,404; July 10.
Rottman, George, New York, assignor to Roseth Corporation, Brooklyn, N. Y. Dustproof and mothproof bag. 1,461,049; July 10.
Row & Davis, Engineers, Inc. (See Mills, B., Row, and Davis, assignors.)
Row, Reuben R. (See Mills, B., Row, and Davis.)
Rowan, Harry B., North Attleboro, Mass., assignor to Whiting & Davis Company. Mesh bag. Des. 62,647; July 10.
Royster, Orlando, Spokane, Wash. Railway brake. 1,461,254; July 10.
Rudesyle, Peter M., Passaic, N. J. Pick for stringed instruments. 1,461,070; July 10.
Salins, Georges A., Vincennes, assignor to Pathe Cinema, Anciens Etablissements Pathe Freres, Paris, France. Machine for treating cinematographic films. 1,461,329; July 10.
Sander, Nicholas, Dresden, Germany. Egg crate. 1,461,099; July 10.
Sangston, Lawrence R., Loveland, Colo. Package-tying device. 1,461,584; July 10.
Santaló, Miguel, Barcelona, Spain. Machine for treating skeins of thread. 1,461,330; July 10.
Scanlan, Matthew R., Liverpool, England. Stationery label. 1,461,585; July 10.
Schank, John E., Chicago, Ill. Golf bag. 1,461,459; July 10.
Scharer-Nussbaumer & Co. (See Zindel, Ernst, assignor.)
Schick, Harry C., Newark, N. J. Catch for necklaces. Des. 62,648; July 10.
Schick, Harry C., Newark, N. J. Catch for necklaces. Des. 62,649; July 10.
Schick, Harry C., Newark, N. J. Catch for necklaces. Des. 62,650; July 10.
Schick, Harry C., Newark, N. J. Catch for necklaces. Des. 62,651; July 10.
Schlegel, Arnold H. (See Henricks, Henry E., assignor.)
Schmid, William, Coldwater, Mich. Level-wind fish reel. 1,461,586; July 10.
Schmidt, Albert, assignor to A C Spark Plug Company, Flint, Mich. Spark plug. 1,461,629; July 10.

Schmidt, Charles, Clifton, N. J. Curtain and shade pole fixture. 1,461,255; July 10.

Schmidt, Peter L., Mohawk, assignor to Remington Typewriter Company, Ilion, N. Y. Typewriting machine. 1,461,331; July 10.

Schmiedeknecht, Victor E., Louisville, Ky. Ware-molding apparatus and process. 1,461,563; July 10.

Schoepe, Joseph, New York, N. Y. Paper-cup-dispensing device. 1,461,332; July 10.

Schroth, Robert C., jr., New York, N. Y., and C. A. Herman, Bridgeport, Conn. Power hammer. 1,461,460; July 10.

Schuckman, John D., Wichita, Kans. Animal trap. 1,461,681; July 10.

Schuetz, George L., Lionsville, Ind. Automatic stop for phonographs. 1,461,050; July 10.

Schüler, Ernst O., Falkenstein, Germany, assignor to Perlmann, Schal & Stern, New York, N. Y. Machine embroidery. Des. 62,652; July 10.

Schulze, William H., assignor to Stewart-Warner Speedometer Corporation, Chicago, Ill. Transmission drive for speedometers. 1,461,293; July 10.

Schumacher, Elmer L., assignor to American Optical Company, Southbridge, Mass. Ophthalmic mounting. 1,461,071; July 10.

Schwartz, Walter M., assignor to Proctor & Schwartz, Incorporated, Philadelphia, Pa. Tray drier. 1,461,682; July 10.

Schwerin, Paul, assignor to Western Electric Company, Incorporated, New York, N. Y. Vacuum-tube manufacture. 1,461,227; July 10.

Schwerin, Paul, assignor to Western Electric Company, Incorporated, New York, N. Y. Method and apparatus for coating material. 1,461,228; July 10.

Scovill Manufacturing Company. (See Root, Le Roy, assignor.)

Searl, Clinton M., assignor to The Vulcan Last Company, Portsmouth, Ohio. Last. 1,461,051; July 10.

Sears, David C., Attus, Okla., and A. M. Bradford, Clovis, N. Mex. Boiler-feed mechanism. 1,461,683; July 10.

Seymour, Napoleon H., Waltham, Mass. Plating half-rotary feed guide. 1,461,684; July 10.

Shaner, Arthur L., San Francisco, Calif. Rope hitch. 1,461,498; July 10.

Shankland, Nora L., Newton, Iowa. Window stop. 1,461,499; July 10.

Sheriff, David H., jr., Kansas City, Mo. Rheostat with auxiliary contact system. 1,461,072; July 10.

Shippee, Hartwell B., Killingly, Conn. Screen for windows and screen doors. 1,461,500; July 10.

Shofter, William H., Barberton, Ohio, assignor to The Diamond Match Company, Chicago, Ill. Composition-applying device for book-match machines. 1,461,461; July 10.

Short, Charles R., and A. L. Cash, Detroit, Mich. Air-cleaning device. 1,461,630; July 10.

Silverthorn, Rufus P., Marion, Ohio. Amplifier. 1,461,685; July 10.

Simpson, Alfred B., North Vernon, Ind. Burglar alarm. 1,461,294; July 10.

Simpson, William E., Detroit, Mich. Hoist. 1,461,052; July 10.

Singer Manufacturing Company, The. (See Webb, Irving F., assignor.)

Skinner Machinery Company. (See Maull, Edward N., assignor.)

Slaiger, Henry, assignor to D. F. Briggs Company, Attleboro, Mass. Toilet kit. 1,461,501; July 10.

Slaymaker Electric Welding Company. (See Slaymaker, George D., assignor.)

Slaymaker, George D., Detroit, Mich., assignor to Slaymaker Electric Welding Company. Disk wheel. 1,461,229; July 10.

Smedley, Thomas H., Long Eaton, England, assignor to Richmond Lace Works, Alton, R. I. Lace. Des. 62,653; July 10.

Smerchanski, Mike, Berwick, Pa. Teeter board. 1,461,631; July 10.

Smith, Harry H. (See Hall, R. D., and Smith.)

Smith, Harry H., Newark, N. J., assignor to Westinghouse Lamp Company. Treating filaments for incandescent electric lamps. 1,461,160; July 10.

Smith, John H., and G. J. Kengel, assignors to Eclipse Interchangeable Counterbore Company, Detroit, Mich. Counterboring tool. 1,461,462; July 10.

Snell, Leroy S., Utica, N. Y. Track signal. 1,461,165; July 10.

Snyder, Howard F., assignor to Maytag Company, Newton, Iowa. Washing machine. 1,461,632; July 10.

Societe Anonyme pour l'Exploitation des Procedes Maurice Leblanc-Vickers. (See Leblanc, Charles L. A. M., assignor.)

Societe Anonyme pour l'Exploitation des Procedes Westinghouse Leblanc. (See Leblanc, Maurice, assignor.)

Society of Chemical Industry in Basle. (See Staudinger, H., Veraguth, and Tobler, assignors.)

Solinger, Henry R., and E. G. Messer, Zilah, assignors to Solinger Power Company, Elmo, Wash. Current motor. 1,461,502; July 10.

Solinger Power Company. (See Solinger, H. R., and Messer, assignors.)

Solomon, Joseph S., Evansville, Ind. Spark plug. 1,461,405; July 10.

Soltesz, Charles, assignor of one-half to J. R. Hladish, New York, N. Y. Horseshoe. 1,461,333; July 10.

Sonander, Andrew, assignor to Howe Scale Company, Rutland, Vt. Elevating truck. 1,461,371; July 10.

Soper, Charles E., Elmira, N. Y. Cushioned hub. 1,461,166; July 10.

Souden, Oscar M. (See Moyle, Edward H., assignor.)

Southern Cement Machine Company. (See Cohoon, Robert S., assignor.)

Spencer Lens Company. (See Ott, Harvey N. and H. G., assignors.)

Splitdorf Electrical Company. (See Leibing, Joseph K., assignor.)

Splitdorf Electrical Company. (See Moore, Edward, assignor.)

Splitdorf Electrical Company. (See Tomlinson, Edward J., assignor.)

Springer, William N., Janesville, Wis., assignor to General Motors Corporation, Detroit, Mich. Tractor. 1,461,714; July 10.

Stafford, Lewis F., assignor to Stafford Spring Guard Co., Chicago, Ill. Bumper. 1,461,564; July 10.

Stafford Spring Guard Co. (See Stafford, Lewis F., assignor.)

Staley, Joseph H., Columbus, Ind. Straightening press and using same. 1,461,463; July 10.

Stalter, Harry E., Moline, Ill. Cut-off slide attachment. 1,461,464; July 10.

Standard Development Company. (See Winchester G., and Howard, assignors.)

Stansbury, John H., Norfolk, Va. Card game board. 1,461,633; July 10.

Staudinger, Hermann, Zurich, H. Veraguth and R. Tobler, assignors to Society of Chemical Industry in Basle, Basel, Switzerland. Indigoidic dyestuffs and making same. 1,461,436; July 10.

Stearns, William B., Milton, Mass. Electrical distributor. 1,461,101; July 10.

Stebler, Fred, and R. E. Davis, assignors to Stebler Parker Co., Riverside, Calif. Fruit-sizing apparatus. 1,461,702; July 10.

Stebler, Fred, assignor to Stebler-Parker Co., Riverside, Calif. Box-elevator feeder. 1,461,465; July 10.

Stebler Parker Co. (See Stebler, F., and Davis, assignor.)

Stebler-Parker Co. (See Stebler, Fred, assignor.)

Sternbergh, James H., Reading, Pa. Differential gear. 1,461,102; July 10.

Stevens, Jesse E., Lebanon, Ind. Spring-repairing device. 1,461,295; July 10.

Stevenson Company, The. (See Hibbins, Thomas A., assignor.)

Stewart, Arthur W. (See Bonk, F. J., and Stewart.)

Stewart-Warner Speedometer Corporation. (See Olsen, John K., assignor.)

Stewart-Warner Speedometer Corporation. (See Schulze, William H., assignor.)

Stintson, Ethel D., Bisbee, Ariz. Tire carrier. 1,461,503; July 10.

Stoekle, Erwin R., Milwaukee, Wis. Rheostat and the like. 1,461,634; July 10.

Stone, Reginald W., Pasadena, Calif. Tool. 1,461,686; July 10.

Stone, Tilden J., Lenoir, N. C. Combined coaster and chair. 1,461,406; July 10.

Stout, George W., Merchantville, N. J. Cable end and housing and assembling the same. 1,461,466; July 10.

Strachan, James F., et al. (See Chidlow, David, assignor.)

Strachan, William S., et al. (See Chidlow, David, assignor.)

Strandell, Knut R., Syracuse, N. Y. Pressure gauge. 1,461,200; July 10.

Strobel, Roy E., San Luis Obispo, Calif. Fuel cleaner. 1,461,687; July 10.

Structural Gypsum Corporation. (See Pritchard, John A., assignor.)

Stuart, Robert, Philadelphia, Pa. Window fastener and antirattler. 1,461,467; July 10.

Stubbs, Everard, and E. R. Fellows, assignors to The Fellows Gear Shaper Company, Springfield, Vt. Skew helical crown gearing. 1,461,230; July 10.

Stuber, Adolph, Rochester, N. Y. Fluid measuring and indicating mechanism. Re15,651; July 10.

Stuebing, William, jr., Cincinnati, Ohio. Lifting truck. 1,461,688; July 10.

Stuemke, Henry G., Good Thunder, Minn. Egg case. 1,461,587; July 10.

Styll, Harry H., Southbridge, Mass. Ophthalmic mounting. 1,461,073; July 10.

Sudderberg, Lewis O., Stratford, Ia. Damper control. 1,461,231; July 10.

Sullivan Machinery Company. (See Halleck, Frank A., assignor.)

Super Razors Incorporated. (See Watt, James A. D., assignor.)

Swanson, Olaf J., Chappaqua, N. Y. Fly-paper holder. 1,461,689; July 10.

Swiezy, Adolf W. (See Martin, Francis L., assignor.)

Szczerba, Walter, Newark, N. J. Envelope. 1,461,635; July 10.

Tanquary, Elmer S., Lawrenceville, Ill. Attachment for stringed instruments. 1,461,636; July 10.

Tanzi, Guido, Long Island City, N. Y. Macaroni die. 1,461,504; July 10.

Teagle Company, The. (See Tower, Charles H., assignor.)

Teter, Daniel F., et al. (See Nelson, Otto, assignor.)

Thompson, Arthur B., Seattle, Wash. Clutch-operating device. 1,461,256; July 10.

Thompson, Arthur B., Missoula, Mont. Toy gun. 1,461,257; July 10.

Thornton, Frederick, Huntington, W. Va. Resilient rim for automobile wheels. 1,461,505; July 10.

Thronsen, Sigurd, Chicago, Ill., assignor to Western Electric Company, Incorporated, New York, N. Y. Filament support. 1,461,232; July 10.

Tibbetts, Milton, assignor to Packard Motor Car Company, Detroit, Mich. Vibration-damping device. Re15,645; July 10.

Tillyer, Edgar D., and J. F. Wixted, assignors to American Optical Company, Southbridge, Mass. Lens-marking device. 1,461,074; July 10.

Tobler, Richard. (See Staudinger, H., Veraguth, and Tobler.)

Tolley, Albert E. (See Brookes, J., and Tolley.)

Tomlinson, Edward J., assignor to Splitdorf Electrical Company, Newark, N. J. Governor for electric circuits. 1,461,103; July 10.

Torkelson, Eilet M., and B. Meigs, Washington, D. C. Disk wheel. 1,461,690; July 10.

Tower, Charles H., assignor to The Teagle Company, Cleveland, Ohio. System for generating and distributing electric currents. 1,461,234; July 10.

Trent Process Corporation. (See Trent, Walter E., assignor.)

Trent, Walter E., Washington, D. C. Carbonaceous fuel. 1,461,167; July 10.

Trent, Walter E., assignor to Trent Process Corporation, Washington, D. C. Treating ore and like materials. 1,461,372; July 10.

Trentesaux, Edgar L., Boston, Mass. Night lamp. 1,461,233; July 10.

Trickey, Charles W., McGrath, Minn. Window screen. 1,461,588; July 10.

Tritt, Samuel J., jr., Carlisle, Pa. Rotary valve. 1,461,296; July 10.

Trout, Silas E., Philadelphia, Pa. Card index. 1,461,407; July 10.

Troxel, Harvey H. (See Billman, Obed C., assignor.)

Trueson Steel Company. (See White, Herbert E., assignor.)

Trust, Henry, deceased, Park Ridge, N. J., and F. M. Ashley, Brooklyn, N. Y.; said Ashley assignor of his right to J. Trust, Park Ridge, N. J.; J. Trust, administratrix. Mixing and beating machine. 1,461,468; July 10.

Trust, Josephine, administratrix. (See Trust, H., and Ashley.)

Trust, Josephine. (See Trust, H., and Ashley, assignors.)

Tulloch, Thomas G., London, England. Method of and means for propelling and controlling vessels. 1,461,691; July 10.

Turner, James P., Faulkton, S. Dak. Horseshoeing device. 1,461,297; July 10.

Tuso, Domenico, Burbank, Calif. Amusement device. 1,461,075; July 10.

U. S. Slicing Machine Company. (See Bachman, Rudolph W., assignor.)

United Alloy Steel Corporation. (See McKenzie, Angus, assignor.)

United Hydro-Carbons Company. (See Clarke, Alexander, assignor.)

United Shoe Machinery Corporation. (See Erickson, Edward, assignor.)

United Shoe Machinery Corporation. (See Keyes, Eugene L., assignor.)

United Shoe Machinery Corporation. (See La Chapelle, Fred N., assignor.)

United Shoe Machinery Corporation. (See Warren, Frank H., assignor.)

Universal Tobacco Machine Company. (See Jackson, Graham H., assignor.)

Vacek, Charles, Chicago, Ill. Necktie holder. 1,461,506; July 10.

Van Antwerp, Harold O. (See Withrow, F. G., and Van Antwerp.)

Van Dorn, William E., Chicago, Ill. Means for attaching steel car ends. 1,461,201; July 10.

Van Houten, Frank H., assignor to Dutchess Tool Company, Beacon, N. Y. Dough-rounding-up machine. 1,461,076; July 10.

Vanlcek, Otto V., Temple, Tex. Cultivator harrow. 1,461,053; July 10.

Veazey, John A., Youngstown, Ohio. Car replacer. 1,461,589; July 10.

Velte, Charles J., Waterbury, Conn. Athlete's medal. 1,461,565; July 10.

Venable, William M., Pittsburgh, Pa. Phonograph. 1,461,334; July 10.

Venon, Jules H., New York, N. Y. Dish. Des. 62,654; July 10.

Venon, Jules H., New York, N. Y. Dish. Des. 62,655; July 10.

Venon, Jules H., New York, N. Y. Dish. Des. 62,656; July 10.

Venon, Jules H., New York, N. Y. Dish. Des. 62,657; July 10.

Venon, Jules H., New York, N. Y. Dish. Des. 62,658; July 10.

Veraguth, Hans. (See Staudinger, H., Veraguth, and Tobler.)

Vester, Alfred Sons, Inc. (See Howell, Hamilton T., assignor.)

Vickers Limited. (See McKechnie, J., and Rabbidge, assignors.)

Vische, Cipriano, Genoa, Italy. Cinematographic apparatus for the performance of musical films. 1,461,298; July 10.

Voge, Edward, West Alexandria, Ohio. Propeller. 1,461,054; July 10.

Voorst, J Clarence, New York, N. Y. Division plate for egg cases. 1,461,235; July 10.

Vosburg, Alan E., and R. B. Whitney, Detroit, Mich., assignors to A. V. Hannifin, Chicago, Ill. Boring bar and the like. 1,461,202; July 10.

Vosler, Kenneth D., South Amboy, N. J. Drawing implement. 1,461,335; July 10.

Vulcan Last Company, The. (See Searl, Clinton M., assignor.)

Wade, James M. (See Wells, A. Z., and Wade.)

Wadleigh, Rufus D., Old Town, Me. Baffle block and combustion-chamber top. 1,461,506; July 10.

Wagner, Paul A., Jersey City, N. J. Reed for looms. 1,461,547; July 10.

Walker, George L., Moorhead, Minn. Check-protecting means. 1,461,055; July 10.

Walker Signal and Equipment Corporation. (See Walker, William L., assignor.)

Walker, William L., assignor to Walker Signal and Equipment Corporation, New York, N. Y. Signaling apparatus. 1,461,056; July 10.

Walper, Curry O., assignor of one-third to F. A. Maslen and one-third to B. E. Clark, Detroit, Mich. Wall construction. 1,461,590; July 10.

Walsh, Philip R., et al. (See Hachmann, Frederick, assignor.)

Warren, Frank H., Swampscott, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J. Tack-pulling device. 1,461,057; July 10.

Watt, James A. D., London, England, assignor to Super Razors Incorporated, New York, N. Y. Safety razor. 1,461,168; July 10.

Watts, George W., Hot Springs, Ark. Spring wheel. 1,461,408; July 10.

Wayrynen, Eino H., East Lake, Minn. Gate lock. 1,461,591; July 10.

Webb, Benjamin F. (See Karl, A. J., and Webb.)

Webb, Irving F., assignor to The Singer Manufacturing Company, Elizabeth, N. J. Shaft hanger. 1,461,236; July 10.

Webb-Multispeed Winch Manufacturing Company. (See Karl, A. J., and Webb, assignors.)

Webber, Edwin M. (See Falzer, L., and Webber.)

Webster, Hyleman A., Columbia, Tenn. Making superphosphates. 1,461,077; July 10.

Webster, Ralph C., Haverhill, Mass. Cushioned toe reenforce for lasts. 1,461,469; July 10.

Wehn, Charles E., assignor to Listo Pencil Corporation, Alameda, Calif. Shaping pyroxylin, celluloid, and like materials. 1,461,299; July 10.

Weide, Hans, Brooklyn, assignor to Lorenz & Weide, New York, N. Y. Holder or cabinet for carrying talking-machine records. 1,461,336; July 10.

Weidlich Bros. Mfg. Co., The. (See Flauder, Alfred J., assignor.)

Weiss, Howard F., assignor to C. F. Burgess Laboratories, Madison, Wis. Wall board. 1,461,337; July 10.

Welker, Louis, jr., Williamsport, Pa., assignor to The New Home Sewing Machine Company, Orange, Mass. Sewing-machine driving mechanism. 1,461,058; July 10.

Wells, Alfred Z., and J. M. Wade, Wenatchee, Wash. Fruit elevator. 1,461,638; July 10.

Wentworth, Philip C., Providence, R. I. Ring traveler. 1,461,059; July 10.

West, Claude A., Detroit, Mich. Metal-working tool. 1,461,548; July 10.

West, Ralph H., Bay City, Mich. Safety windshield. 1,461,237; July 10.

Western Electric Company. (See Bell, John H., assignor.)

Western Electric Company. (See Dobbin, Henry F., assignor.)

Western Electric Company. (See Fletcher, Harvey, assignor.)

Western Electric Company. (See Houskeeper, William G., assignor.)

Western Electric Company. (See Irvine, Frank S., assignor.)

Western Electric Company. (See Moore, Charles R., assignor.)

Western Electric Company. (See Mortimer, Louis A., assignor.)

Western Electric Company. (See Reddig, Charles E., assignor.)

Western Electric Company. (See Reynolds, John N., assignor.)

Western Electric Company. (See Schwerin, Paul, assignor.)

Western Electric Company. (See Thronsen, Sigurd, assignor.)

Western Gas Construction Company, The. (See Hayes, Fred B., assignor.)

Western Union Telegraph Company, The. (See Benjamin, George R., assignor.)
Westinghouse Air Brake Company, The. (See McWhirter, William C., assignor.)
Westinghouse Electric & Manufacturing Company. (See Bouton, Edgar M., assignor.)
Westinghouse Electric & Manufacturing Company. (See Burns, James A., assignor.)
Westinghouse Electric & Manufacturing Company. (See Dann, Walter M., assignor.)
Westinghouse Electric & Manufacturing Company. (See Eschholz, Otto H., assignor.)
Westinghouse Lamp Company. (See Hall, R. D., and Smith, assignors.)
Westinghouse Lamp Company. (See Hall, Roy D., assignor.)
Westinghouse Lamp Company. (See Lederer, Anton, assignor.)
Westinghouse Lamp Company. (See Madden, H. D., and Higgins, assignors.)
Westinghouse Lamp Company. (See Ramage, John H., assignor.)
Westinghouse Lamp Company. (See Smith, Harry H., assignor.)
Wharton, William, Jr., & Company. (See Pallander, Charles A., assignor.)
Wheeler, Charles H., East Palestine, Ohio. Rubber tire. Des. 62,659; July 10.
Wheeler, Harriett V., Chicago, Ill. Flour sifter. 1,461,567; July 10.
Wheeling Mold & Foundry Co. (See Rauschenberg, Emil C., assignor.)
White, Herbert E., assignor to Trucson Steel Company, Youngstown, Ohio. Steel form for concrete construction. 1,461,409; July 10.
White, John W., jr., assignor to General Motors Corporation, Detroit, Mich. Motor vehicle. 1,461,715; July 10.
Whiteside, John W., New York, N. Y. Luggage carrier. 1,461,373; July 10.
Whiting & Davis Company. (See Rowan, Harry B., assignor.)
Whitney, Robert B. (See Vosburg, A. E., and Whitney.)
Whitney, Wallace P., Springfield, Ill. Spacer for paving blocks. 1,461,060; July 10.
Whittier, Nelson P., Beverly Hills, Calif. Gasoline tank and feed-line lock. 1,461,507; July 10.
Wilkens, Jacob K., Muscatine, Iowa. Demountable rim. 1,461,592; July 10.
Willson, Mendal W., Mount Carmel, Ill. Ozonizer. 1,461,238; July 10.
Wilson, Joseph R. (See Gilman, F. L., and Wilson.)
Wilson, Walter C., Montello, Nev. Insect catcher. 1,461,169; July 10.
Wilson, William D., and A. Cullander, assignors of one-third to E. Haga, Belzoni, Miss. Cotton tramper. 1,461,639; July 10.
Winchester, George, Roselle, and F. A. Howard, Elizabeth, N. J., assignors to Standard Development Company. Spark plug. 1,461,300; July 10.
Wirkkala, Oscar A., Rome Township, Whatcom County, Wash. Logging engine. 1,461,338; July 10.
Wirrer, Gottfried, Plainfield, N. J., assignor, by mesne assignments, to Connecticut Telephone and Electric Co., Inc., Meriden, Conn. Ignition regulator for internal-combustion engines. 1,461,339; July 10.
Wirth-Frey, Elias, assignor to the Firm Aktiengesellschaft Kummler & Matter, Aarau, Switzerland. Process and apparatus for exaporating liquids. 1,461,640; July 10.
Wiskott, Max, Breslau, Germany. Producing reflectors. 1,461,301; July 10.
Withrow, Floyd G., and H. O. Van Antwerp, Grand Rapids, Mich.; said Van Antwerp assignor to said Withrow. Antirattler. 1,641,549; July 10.
Wixted, John F. (See Tillyer, E. D., and Wixted.)
Woltmann, Ernst, New York, N. Y. Operator's outfit for electric welding. Re15,652; July 10.
Wood, Charles R., Fargo, N. Dak. Pocket for wearing apparel. Re15,646; July 10.
Wood, Charles R., Fargo, N. Dak. Rule pocket. Re15,647; July 10.
Woodson, Allen B., and W. Ferril, Clarksville, Tenn.; said Woodson assignor to said Ferril. Hand car. 1,461,593; July 10.
Worstall, George G., Toms River, N. J. Cultivator. 1,461,508; July 10.
Wright, Allyn L. (See Hopkins, James E., assignor.)
Wright, Frank A., Hutchinson, Kans. Cleaning fluid for impregnating dust cloths and the like. 1,461,170; July 10.
Wylie, William J., Columbia, Miss., and C. W. Cooper, Oxford, Ala.; said Cooper assignor to G. W. Green, Columbia, Miss. Extension frame for Fordson tractors. 1,461,598; July 10.
Wyman-Gordan Company. (See Damerell, Mark H., assignor.)
Yurow, Andrew, New York, assignor to S. M. Elowsky, Brooklyn, N. Y. Lock. 1,461,692; July 10.
Zindel, Ernst, assignor to the Firm Scharer-Nussbaumer & Co., Erlenbach, Switzerland. Winding machine. 1,461,641; July 10.

ALPHABETICAL LIST OF INVENTIONS

FOR WHICH

PATENTS WERE ISSUED ON THE 10TH DAY OF JULY, 1923.

NOTE.—Arranged in accordance with the first significant character or word of the name (in accordance with city and telephone directory practice). **Includes patents, reissues, and designs.**

Aeroplane. E. E. Nichols. 1,461,700; July 10.
Air-brake mechanism. L. G. Black. 1,461,025; July 10.
Air cleaner. A. C. Bennett. 1,461,174; July 10.
Air-dispensing device. C. B. Fry. 1,461,389; July 10.
Air separator. J. A. Paasche. 1,461,045; July 10.
Alarm: *See*—
Burglar alarm.
Alloy. F. M. Becket. 1,461,643; July 10.
Alloy. H. S. Cooper. 1,461,178; July 10.
Alloys in the form of paste or sludge, Apparatus for the electrolytic production of metallic. B. Leech. 1,461,276; July 10.
Amplifier. R. P. Silverthorn. 1,461,685; July 10.
Amusement apparatus. H. F. Maynes. 1,461,322; July 10.
Amusement device. D. Tusco. 1,461,075; July 10.
Anchor, Decoy. R. M. Hill. 1,461,617; July 10.
Anchor plate. E. and W. H. Clark. 1,461,308; July 10.
Animal trap. J. W. Primrose. 1,461,288; July 10.
Animal trap. J. P. Schuckman. 1,461,681; July 10.
Annealing box, Cast-metal. E. C. Rauschenberg. 1,461,555; July 10.
Antiratler. F. G. Withrow and H. O. Van Antwerp. 1,461,549; July 10.
Antiskid device for vehicle wheels. A. J. Borst, jr. 1,461,378; July 10.
Antiskid devices for vehicle wheels, Tread section for. J. R. Reyburn. 1,461,327; July 10.
Arch, Entrance. W. Paine. Des. 62,641; July 10.
Automatic switch. F. S. Irvine. 1,461,528; July 10.
Automobile and other engines, Valve-spring compressor for. D. Clerico. 1,461,346; July 10.
Automobile brake. G. Parson. 1,461,674; July 16.
Automobile bumper. W. T. Morris. 1,461,431; July 10.
Automobile signal. P. McLaren. 1,461,251; July 10.
Automobile spring. F. G. Krakau. 1,461,274; July 10.
Automobile springs, Repair device for. P. T. Jasmin. 1,461,273; July 10.
Automobiles, Electric combination switch for. W. B. Marks. 1,461,429; July 10.
Automobiles, Oven attachment for. J. E. Z. Fowle. 1,461,142; July 10.
Automotive brake. W. C. McWhirter. 1,461,042; July 10.
Bag: *See*—
Golf bag.
Bag or net fastener. B. L. Herrick. 1,461,120; July 10.
Baling press. T. Cook. 1,461,577; July 10.
Banjos, Resonance device for. F. R. L. Berge. 1,461,596; July 10.
Basket. A. J. Flander. Des. 62,631; July 10.
Bath and basin fitting. F. C. Darling. 1,461,698; July 10.
Bearing for sugar mills and the like, Hydraulic. G. C. Mitchell. 1,461,135; July 10.
Bedclothes holder. C. N. Prouty. 1,461,199; July 10.
Bell ringer, Automatic. J. W. Buckland. 1,461,177; July 10.
Belts or the like, Apparatus for use in making. C. H. Paeplow. 1,461,368; July 10.
Billing system, Combination. R. N. Newsham. 1,461,399; July 10.
Bill ironer and sterilizer. E. H. Moyle. 1,461,252; July 10.
Block and combustion-chamber top, Baffle. R. D. Wadleigh. 1,461,566; July 10.
Board: *See*—
Game board. Wall board.
Teeter board.
Boats, Propelling attachment for. J. N. Coughlan. 1,461,697; July 10.
Boiler: *See*—
Ham boiler.
Boiler-feed mechanism. D. C. Sears and A. M. Bradford. 1,461,683; July 10.
Boring bar and the like. A. E. Vosburg and R. B. Whitney. 1,461,202; July 10.
Bottle-capping machines, Compensating mechanism for. C. W. Kendall. 1,461,550; July 10.
Bottle handle, Milk-. L. Kranzl. 1,461,621; July 10.
Bottles, Holder for nursing. R. E. Bannon. 1,461,342; July 10.
Box: *See*—
Annealing box. Match box.
Display box. Sound box.
Boxes, Machine for making. A. V. Coster. 1,461,414; July 10.
Brace: *See*—
Fender brace.
Bracelet. P. B. McKenzie. 1,461,250; July 10.
Bracelets, Link for expansible. G. J. Bauer and F. B. Carson. 1,461,203; July 10.
Bracket. J. T. Corley. 1,461,210; July 10.
Brake: *See*—
Automobile brake. Emergency brake.
Automotive brake. Railway brake.
Brake beams, Support for clasp. E. G. Busse. 1,461,516; July 10.
Brake lining dressing. W. B. Falor. 1,461,386; July 10.
Brakes, Regulating device for the flow of liquid in artillery. E. Rimailho. 1,461,403; July 10.
Braking attachment. J. L. Devon. 1,461,084; July 10.
Bricks, tiles, and other building materials, Machine for making. G. V. Picot. 1,461,159; July 10.
Brush. E. van N. Krehn. Des. 62,634; July 10.
Brush, Lather. M. B. Behrman. 1,461,344; July 10.
Brushes, Receptacle for the storage and preservation of used paint. J. E. Hopkins. 1,461,618; July 10.
Buffing machine. E. N. Maull. 1,461,134; July 10.
Building construction. J. A. Pritchard. 1,461,452; July 10.
Building construction, Apparatus for. M. L. Lisowski. 1,461,426; July 10.
Bumper. L. F. Stafford. 1,461,564; July 10.
Burglar alarm. J. E. Bond. 1,461,206; July 10.
Burglar alarm. A. B. Simpson. 1,461,294; July 10.
Burner: *See*—
Fuel burner. Gas burner.
Bushing extractor. A. Raffay. 1,461,554; July 10.
Button, Cuff. C. A. Goddard. 1,461,524; July 10.
Cabinet construction. W. H. Friedline. 1,461,239; July 10.
Cabinets, Sliding moldboard for. H. A. Hall. 1,461,525; July 10.
Cable end and housing and assembling the same. G. W. Stout. 1,461,466; July 10.
Calculating machines, Tens-carrying device for. P. Reiss. 1,461,455; July 10.
Candy novelty. J. R. Pettit. 1,461,543; July 10.
Can: *See*—
Garbage can.
Can opener. H. E. Keeler. 1,461,151; July 10.
Can opener. L. D. Roberts. 1,461,162; July 10.
Cap, Adjustable. M. Lebow. 1,461,623; July 10.
Carburetor. K. A. Ackley. 1,461,470; July 10.
Carburetor. A. Aeberli and W. Dreyer. 1,461,104; July 10.
Carburetor-controlling device. F. Forney and R. H. Hoff. 1,461,521; July 10.
Car cager, Automatic mine-. F. F. Brasche. 1,461,513; July 10.
Car door. H. Rhobecker. 1,461,678; July 10.
Car-door roller. C. McGowan, G. Peterson, and A. A. Lund. 1,461,535; July 10.
Car ends, Means for attaching steel. W. E. Van Dorn. 1,461,201; July 10.
Car, Hand. A. B. Woodson and W. Ferril. 1,461,593; July 10.
Car replacer. J. A. Veazey. 1,461,589; July 10.
Car signal device. E. H. Hand. 1,461,352; July 10.
Cars, Double-door construction for railway. G. G. Gilpin. 1,461,035; July 10.
Carding machines, Rubber apron for. T. H. and G. W. Hunter. 1,461,527; July 10.
Carline. C. D. Bonsall. 1,461,704; July 10.
Carriage, Convertible baby. C. O. Robinson. 1,461,458; July 10.
Carrier: *See*—
Luggage carrier. Tire carrier.
Carton. F. B. Davidson. 1,461,415; July 10.
Case: *See*—
Egg case.
Centrifugal separator. H. Feldmeier. 1,461,031; July 10.
Chain coupler, Auto. H. Campbell. 1,461,306; July 10.
Chairs and the like, Fitting for revolving. R. K. Dawson. 1,461,602; July 10.
Chart, decimal-equivalent. H. O. Olson. 1,461,138; July 10.
Check-protecting means. G. L. Walker. 1,461,055; July 10.
Cheese, Sterilizing. E. E. Eldredge. Re15,648; July 10.

Cinematographic apparatus for the performance of musical films. C. Vische. 1,461,298; July 10.
Cinematographic films, Machine for treating. G. A. Sallus. 1,461,329; July 10.
Circuit maker and breaker, Pedal-carried. C. F. Cole. 1,461,389; July 10.
Circuit, Substation. H. Fletcher. 1,461,183; July 10.
Clamp: *See*—
Hose clamp.
Cleaner: *See*—
Air cleaner. Suction cleaner.
Fuel cleaner. Windshield cleaner.
Meat-block cleaner.
Cleaning composition. D. E. Hakes and A. Laperou. 1,461,351; July 10.
Cleaning device, Air-. C. R. Short and A. L. Cash. 1,461,630; July 10.
Clothes wringer. C. E. Reddig. 1,461,226; July 10.
Closure device. M. Hornstein. 1,461,242; July 10.
Clutch, Friction. A. B. Browne. 1,461,573; July 10.
Clutch-operating device. A. B. Thompson. 1,461,256; July 10.
Coaster and chair, Combined. T. J. Stone. 1,461,406; July 10.
Coating material, Method and apparatus for. P. Schwerin. 1,461,228; July 10.
Coking liquefiable bituminous materials, Apparatus for. F. Puening. 1,461,324; July 10.
Collar holder. E. I. Rogers, jr. 1,461,328; July 10.
Color transparency. W. V. D. Kelley. 1,461,356; July 10.
Concrete-block machine. R. S. Cohoon. 1,461,413; July 10.
Concrete construction, Steel form for. H. E. White. 1,461,409; July 10.
Concrete piles, Making. G. G. Powell. 1,461,451; July 10.
Concrete wall. A. G. Reynolds. 1,461,369; July 10.
Confectionery, Means for dipping and coating. F. R. Giddings. 1,461,115; July 10.
Container top. C. S. Baron. 1,461,375; July 10.
Control system. E. F. W. Alexanderson. 1,461,571; July 10.
Control system. E. M. Bouton. 1,461,512; July 10.
Conveyer, Portable. G. Hanson and C. A. Nelson. 1,461,707; July 10.
Conveyer system. A. E. Bailey. 1,461,106; July 10.
Cooking device. M. Ivancic. 1,461,092; July 10.
Cooking machine, Doughnut-. H. List. 1,461,488; July 10.
Cooking utensil. H. V. Mulford and W. D. Felty. 1,461,366; July 10.
Corn sheller. R. M. Mitchell. 1,461,283; July 10.
Corn shellers, Screen for. R. E. Hanneman. 1,461,144; July 10.
Cotton cleaning machine. E. H. Rooney. 1,461,562; July 10.
Cotton tramper. W. D. Wilson and A. Cullander. 1,461,639; July 10.
Cotton trampers, Gear lock for. T. S. Grimes. 1,461,579; July 10.
Coupling: *See*—
Pipe coupling. Trailer coupling.
Swiveled coupling.
Coupling head. W. L. Read. 1,461,225; July 10.
Crusher roll. T. A. Hibbins. 1,461,036; July 10.
Cultivator. G. G. Worstall. 1,461,508; July 10.
Cultivator tools, Clamp for. W. L. Beall. 1,461,302; July 10.
Cup: *See*—
Grease cup.
Current motor. H. R. Solinger and E. G. Messer. 1,461,502; July 10.
Curtain and shade pole fixture. C. Schmidt. 1,461,255; July 10.
Cuspidor. M. G. Martin. 1,461,156; July 10.
Cutting bur. F. A. Bartlett. 1,461,376; July 10.
Cut-out, Automatic. J. S. Reynolds. 1,461,456; July 10.
Damper control. L. O. Sudderberg. 1,461,231; July 10.
Damping device, Vibration-. M. Tibbetts. Re15,645; July 10.
Dental impression trays, Detachable holder for. J. S. Bridges. 1,461,209; July 10.
Derrick, Hay. C. A. Chapman. 1,461,307; July 10.
Diamonds, Apparatus for cutting. A. T. Hunt. 1,461,149; July 10.
Diaphragm device. M. A. Fesler. 1,461,086; July 10.
Die: *See*—
Macaroni die.
Dipper tooth. M. G. Moore. 1,461,136; July 10.
Direction indicator. O. C. Knigge. 1,461,664; July 10.
Discharge-indicating device. O. H. Eschholz. 1,461,519; July 10.
Dish. J. H. Venon. Des. 62,654–8; July 10.
Disk wheel. G. D. Slagmaker. 1,461,229; July 10.
Disk wheel. E. M. Torkelson and B. Meigs. 1,461,690; July 10.
Dispatch holder. J. H. Doub. 1,461,382; July 10.
Display box. A. K. Harned. 1,461,656; July 10.
Display last. A. E. Goodwin. 1,461,652; July 10.
Display stand. J. C. Hunter. Des. 62,633; July 10.
Dishwasher. C. Breer. 1,461,473; July 10.
Dolly jack. F. B. Gist and C. P. Martin. 1,461,481; July 10.
Doorbell. J. A. Baginler. 1,461,019; July 10.
Door construction. N. Paine. 1,461,196; July 10.
Dough-rounding-up machine. F. H. Van Houten. 1,461,076; July 10.
Draft-controlling device. J. Elick. 1,461,606; July 10.
Drafting instrument. J. A. Kaminski. 1,461,530; July 10.
Drawing instrument. G. J. Hood. 1,461,421; July 10.
Drawing implement. K. D. Vosler. 1,461,335; July 10.
Dredge. B. O. Godfrey. 1,461,240; July 10.
Drier: *See*—
Tray drier.
Drill: *See*—
Well drill.
Drilling machines, Clamping mechanism for radial. J. E. Larsh. 1,461,666; July 10.
Drilling tool. W. R. Howard. 1,461,037; July 10.
Drying apparatus. J. F. Hughes. 1,461,148; July 10.
Drying apparatus. J. W. Pearson. 1,461,224; July 10.
Dust cloths and the like, Cleaning fluid for impregnating. F. A. Wright. 1,461,170; July 10.
Dustpan. G. W. Lewis. 1,461,624; July 10.
Dustproof and mothproof bag. G. Rottman. 1,461,049; July 10.
Dyestuffs and making same, Indigoidic. H. Staudinger, H. Veraguth, and R. Tobler. 1,461,435; July 10.
Dynamo driven by wheel axles. E. Dick. 1,461,181; July 10.
Dynamo-electric machine. A. H. Neuland. 1,461,542; July 10.
Egg case. H. G. Stuemke. 1,461,587; July 10.
Egg cases, Division plate for. J. C. Voorhorst. 1,461,235; July 10.
Egg crate. N. Sandor. 1,461,099; July 10.
Electric-circuit-control mechanism, Automatic. F. Bonk and A. W. Stewart. 1,461,207; July 10.
Electric circuit, Light-controlled means for opening and closing an. F. J. Fransson. 1,461,523; July 10.
Electric circuits, Governor for. E. J. Tomlinson. 1,461,103; July 10.
Electric currents, System for generating and distributing. C. H. Tower. 1,461,234; July 10.
Electric lights, Globe support for. J. W. French. 1,461,611; July 10.
Electric switch. G. A. Burnham. 1,461,695; July 10.
Electrical distributor. W. B. Stearns. 1,461,101; July 10.
Electrical machines, Commutating system for. C. L. A. M. Leblanc. 1,461,446; July 10.
Electrical testing instrument. J. F. Moody. 1,461,492; July 10.
Electrical translating devices, Starter for. F. G. Keyes. 1,461,038; July 10.
Elevator: *See*—
Fruit elevator.
Elevator. T. C. Craig. 1,461,601; July 10.
Elevator door hanger. O. P. McGee. 1,461,249; July 10.
Elevator feeder, Box-. F. Stebler. 1,461,465; July 10.
Embroidery, Machine. E. O. Schüler. Des. 62,652; July 10.
Emergency brake. J. W. Orr. 1,461,401; July 10.
Emulsifying apparatus. G. Grindrod. 1,461,653; July 10.
Engine: *See*—
Gas engine. Logging engine.
Internal-Combustion engine. Two-stroke engine.
Engines, Cooling-liquid-pump mounting for internal-combustion. A. A. Bull. 1,461,711; July 10.
Engines, Fuel-economizing device for internal-combustion. J. C. Henry. 1,461,659; July 10.
Engines, Governing device for internal-combustion. E. Moore. Re15,650; July 10.
Engines, Ignition device for internal-combustion. E. A. Gosnell. 1,461,088; July 10.
Engines, Ignition regulator for internal-combustion. G. Wirrer. 1,461,339; July 10.
Engines, Oiler for. W. A. Rarig. 1,461,325; July 10.
Envelope. W. Szczerba. 1,461,635; July 10.
Extractor: *See*—
Bushing extractor.
Fabric: *See*—
Ornamental fabric.
Fabric-stitching device. J. D. Lacroix. 1,461,125; July 10.
Fabrics and making same, Composition for saturating. L. Kirschbraun. 1,461,445; July 10.
Fender brace, Adjustable. F. L. Bronson. 1,461,304; July 10.
Filament. R. D. Hall. 1,461,118; July 10.
Filament support. S. Thronsen. 1,461,232; July 10.
Filing device. A. A. Ainsworth. 1,461,570; July 10.
Film-plates, Frame for the horizontal development of. P. Mathiette. 1,461,321; July 10.
Film reel, Safety. L. J. Doty. 1,461,029; July 10.
Filter, Oil. R. S. Moore and L. B. Jones. 1,461,627; July 10.
Fire kindler. J. Quist. 1,461,496; July 10.
Fireplace. W. E. De Armond. 1,461,211; July 10.
Fish reel, Level-wind. W. Schmid. 1,461,586; July 10.
Fishing reel. W. C. Moll. 1,461,043; July 10.
Fish-shipping tank. G. L. A. Friedrichs. 1,461,350; July 10.
Fishing tackle. A. H. Lent. 1,461,246; July 10.
Fish-tape puller. H. E. Lubker. 1,461,361; July 10.
Fixture, Universal. C. T. Male. 1,461,668; July 10.

Flanging machine. H. McCabe. 1,461,041; July 10.
Fluid-conduit coupling device. A. E. Falor. 1,461,385; July 10.
Fluid control, Automatic. J. Brombacher. 1,461,262; July 10.
Fluids, Condensing. C. E. Rogers. 1,461,164; July 10.
Fluid motor. W. Knapp. 1,461,620; July 10.
Floor-mop attachment. P. H. and J. S. Macy. 1,461,319; July 10.
Flushing apparatus, Automatic. A. W. Robinson. 1,461,163; July 10.
Flush tank. O. C. Papin. 1,416,673; July 10.
Flying machines, Safety device for. S. D. Jacobson. 1,461,216; July 10.
Fly-paper holder. O. J. Swanson. 1,461,689; July 10.
Forging machine. F. A. Halleck. 1,461,655; July 10.
Frame: *See*—
Silo-door frame.
Frames, Corner joint for. L. R. Centerbar. 1,461,440; July 10.
Frog or crossing structure. C. A. Psilander. 1,461,701; July 10.
Frozen dainties, Container for. F. E. Mayol. Des. 62,640; July 10.
Fruit elevator. A. Z. Wells and J. M. Wade. 1,461,638; July 10.
Fruit-sizing apparatus. F. Stebler and R. E. Davis. 1,461,702; July 10.
Fuel burner, Gaseous-. B. R. and J. A. Kloeb. 1,461,394; July 10.
Fuel burner, Mechanical pressure atomizing. W. R. Purnell. 1,461,545; July 10.
Fuel, Carbonaceous. W. E. Trent. 1,461,167; July 10.
Fuel cleaner. R. E. Strobel. 1,461,687; July 10.
Fuel saver. A. Edmond. 1,461,030; July 10.
Funnel, Collapsible. W. J. Haessler. 1,461,654; July 10.
Furnace: *See*—
Stoker furnaces.
Furnace, Humidifier for hot air. R. E. Kelm. 1,461,423; July 10.
Furnaces, Water back for hot-air and other. J. Hopfenthaler and C. H. Fischer. 1,461,349; July 10.
Game. R. N. Maxwell. 1,461,218; July 10.
Game apparatus. J. A. Ernst, jr. 1,461,649; July 10.
Game apparatus. C. Papouchis. 1,461,432; July 10.
Game board, Card. J. H. Stansbury. 1,461,633; July 10.
Games, Score-indicating device for. H. M. Mathieson. 1,461,449; July 10.
Garage-door lock. C. C. Parke. 1,461,158; July 10.
Garbage can. O. N. Owen. 1,461,253; July 10.
Garbage incinerator. W. F. Born. 1,461,108; July 10.
Garment. I. Roggen. 1,461,679; July 10.
Garment hanger. I. Duberstein. 1,461,442; July 10.
Gas apparatus. F. Bellville E. A. Belleville, and R. S. Henderson. 1,461,377; July 10.
Gas burner. J. Kemmer. 1,461,663; July 10.
Gas burner, Acetylene-. W. J. Frisbie. 1,461,034; July 10.
Gas engine. O. Nelson. 1,461,494; July 10.
Gas heater. H. R. Humphrey. 1,461,191–2; July 10.
Gas, Method and mechanism for testing. A. Clarke. 1,461,345; July 10.
Gas retort, Continuous straw. G. H. Harrison. 1,461,614; July 10.
Gases, Device for condensing. C. R. and M. C. Mabee. 1,461,364; July 10.
Gate lock. E. H. Wayrynen. 1,461,591; July 10.
Gauge: *See*—
Pressure gauge.
Gauging instrument, Circle. H. J. Adams. 1,461,569; July 10.
Gear, Differential. J. H. Sternbergh. 1,461,102; July 10.
Gearing, Skew helical crown. E. Stubbs and E. R. Fellows. 1,461,230; July 10.
Gearing mechanism. C. Henderson. 1,461,484; July 10.
Glass articles, Machine for the manufacture of. R. F. Hall. 1,461,271; July 10.
Glass-drawing apparatus. C. Donaldson and C. Day. 1,461,603; July 10.
Glassware, Apparatus for the manufacture of. P. Ebeling. 1,461,416; July 10.
Golf bag. J. E. Schank. 1,461,459; July 10.
Grain germ and scutellum, Treating. D. Chidlow. 1,461,703; July 10.
Grate construction. S. N. Fleming. 1,461,443; July 10.
Grease cup. W. P. Koepfer. 1,461,665; July 10.
Grease cups, Caps for. W. H. Durant. 1,461,383; July 10.
Grinding machine. J. A. Burns. 1,461,514; July 10.
Grinding machines, Abrasive-wheel chuck for. F. E. Gardner. 1,461,184; July 10.
Gun barrels, Method of and means for forming. C. C. Loomis. 1,461,129; July 10.
Gun, Recoil. H. Romberg. 1,461,561; July 10.
Hair clipper. W. H. Redman. 1,461,326; July 10.
Hair curler. O. D. McClintock. 1,461,533; July 10.
Ham boiler. H. Adelmann. 1,461,509; July 10.
Hammer, Power. R. C. Schroth, jr., and C. A. Herman. 1,461,460; July 10.
Handle: *See*—
Bottle handle.
Hanger: *See*—
Elevator-door hanger. Shaft hanger.
Garment hanger.
Harrow, Cultivator. O. V. Vanicek. 1,461,053; July 10.
Headlight. T. W. Post. 1,461,544; July 10.
Headlight, Dirigible. P. N. Andresen and P. J. Jeffway. 1,461,341; July 10.
Headlight mechanism. S. E. Douglass. 1,461,604; July 10.
Headwear, Novelty. P. M. Hennegan. 1,461,189; July 10.
Heater: *See*—
Gas heater. Orchard heater.
Heating system. B. Mills, R. R. Row, and H. C. Davis. 1,461,541; July 10.
Heel-building machine. A. S. Everett. 1,461,384; July 10.
Heel-seat lasting and nailing machine. E. L. Keyes. 1,461,153; July 10.
Hinge. E. B. Bicker. 1,461,175; July 10.
Hoist. W. E. Simpson. 1,461,052; July 10.
Hoisting machine. L. Falzer and E. M. Webber. 1,461,650; July 10.
Horseshoe. C. Soltesz. 1,461,333; July 10.
Horseshoeing device. J. P. Turner. 1,461,297; July 10.
Hose and fitting, Assembling. M. Loughead. 1,461,130; July 10.
Hose clamp. L. M. Quémard. 1,461,290; July 10.
Hub-bearing construction. F. A. Nauts. 1,461,223; July 10.
Hub, Cushioned. C. E. Soper. 1,461,166; July 10.
Ice-cream cones, Machine for making. F. H. Miller. 1,461,709; July 10.
Ice pick. H. E. Keeler. 1,461,152; July 10.
Implements, Controlling device for drawn. V. Pellisier. 1,461,198; July 10.
Index, Card. S. E. Trout. 1,461,407; July 10.
Index, Thing. V. W. Page. 1,461,671; July 10.
Indicating device. M. H. Dumerell. 1,461,083; July 10.
Indicator: *See*—
Direction indicator.
Insect catcher. W. C. Wilson. 1,461,169; July 10.
Instruments, Damping device for. F. F. Dorsey. 1,461,381; July 10.
Internal-combustion engine, Two-cycle. C. Berger. 1,461,680; July 10.
Internal-combustion engine. J. W. Hall. 1,461,089; July 10.
Internal-combustion engine. F. N. Kawamura. 1,461,662; July 10.
Internal-combustion engine. A. L. Powell. 1,461,495.
Jack: *See*—
Dolly jack. Rail jack.
Jacks, Attachment for. S. A. Irwin. 1,461,355; July 10.
Knitting machine, Circular rib-. T. C. Bromley and W. Cavers. 1,461,693; July 10.
Knitting machines, Stop motion for. W. T. Barratt. 1,461,172; July 10.
Label, Stationery. M. R. Scanlan. 1,461,585; July 10.
Lace. T. H. Smedley. Des. 62,653; July 10.
Lamp, Acetylene. J. M. Brock. 1,461,572; July 10.
Lamp clip and stay, Miner's. N. Farley. 1,461,607; July 10.
Lamp, Electric gas. A. Lederer. No. 1,461,359–60; July 10.
Lamp, Night. E. L. Trenteseau. 1,461,233; July 10.
Lamp post, Yielding self-arighting safety. F. W. Griswold. 1,461,116; July 10.
Lamps and making the same, Filamentary body for electric. R. D. Hall and H. H. Smith. 1,461,117; July 10.
Lamps, Method of and apparatus for manufacturing incandescent. H. D. Madden and J. J. Higgins. 1,461,155; July 10.
Lamps, Treating filaments for incandescent electric. J. H. Ramage. 1,461,140; July 10.
Lamps, Treating filaments for incandescent electric. H. H. Smith. 1,461,100; July 10.
Landing device. H. C. F. Holz. 1,461,660; July 10.
Lantern, Electric. T. Mee, jr. 1,461,540; July 10.
Lanterns, Focusing finder for. C. O. Harrington. 1,461,418; July 10.
Lanterns, Maintaining a source of light in a desired position in. C. O. Harrington. 1,461,187; July 10.
Last. C. M. Searl. 1,461,051; July 10.
Lasts, Cushioned toe reenforce for. R. C. Webster. 1,461,469; July 10.
Latch parts, Protecting device for. L. Ottinger. 1,461,044; July 10.
Laundry trays, Soap-dish attachment for. E. R. Buhtz. 1,461,263; July 10.
Lens grinder. A. Pellow. 1,461,094; July 10.
Lens holder. A. A. Arnold. 1,461,078; July 10.
Lens-marking device. E. D. Tillyer and J. F. Wixted. 1,461,074; July 10.
Lever, Gear-shift. P. F. Rice. 1,461,457; July 10.
Lifting device. J. Burkley. 1,461,694; July 10.
Lifting jack for motor vehicles. A. L. Holton. 1,461,353; July 10.
Light and firearm, Combined. S. P. Cottrell. 1,461,600; July 10.
Lighting fixture. R. C. Pfleager. Des. 62,642–5; July 10.
Lighting-fixture arm. N. Lipsky. Des. 62,639; July 10.
Lighting-fixture arm. M. F. Rosacker. Des. 62,646; July 10.
Lighting-fixture band. N. Lipsky. Des. 62,637; July 10.
Lighting-fixture body. N. Lipsky. Des. 62,638; July 10.
Lighting-fixture pan. N. Lipsky. Des. 62,635; July 10.

Lighting-fixture part. P. I. Ansorge. Des. 62,630; July 10.
Lighting fixture plate. H. T. Howell. Des. 62,632; July 10.
Lighting system, Steam-locomotive. A. McGary. 1,461,534; July 10.
Line control, Adjusting mechanism adapted for. L. Holland-Letz. 1,461,420; July 10.
Line switch. J. N. Reynolds. Re15,644; July 10.
Lip-stick container. L. Root. 1,461,680; July 10.
Liquid containers, Discharge spout for. S. Frey. 1,461,269; July 10.
Liquid measuring and dispensing apparatus. E. A. Rix. 1,461,292; July 10.
Liquids, Process and apparatus for evaporating. E. Wirth-Frey. 1,461,640; July 10.
Lock: *See*—
Garage-door lock. Valve-spring-lifter lock.
Gate lock. Window lock.
Lock. E. E. Longfellow. 1,461,279; July 10.
Lock. A. Yurow. 1,461,692; July 10.
Locking device. J. L. Ocheltree, jr. 1,461,400; July 10.
Locomotive-smoke-box front. A. T. Kuehner. 1,461,315; July 10.
Locomotive, Turbine-driven. F. Ljungström. 1,461,278; July 10.
Logging engine. O. A. Wirkkala. 1,461,338; July 10.
Lookout or doorpeep. F. Laibach. 1,461,487; July 10.
Looms, Reed for. P. A. Wagner. 1,461,547; July 10.
Loose-leaf connection. F. L. Martin. 1,461,669; July 10.
Luggage carrier. J. W. Whiteside. 1,461,373; July 10.
Lumber, Apparatus for drying. R. F. Jenkinson. 1,461,393; July 10.
Macaroni die. G. Tanzi. 1,461,504; July 10.
Magnesia refractory. W. W. Greenwood. 1,461,444; July 10.
Magneto ignition device. J. K. Leibing. 1,461,128; July 10.
Match books, Machine for making. M. Paridon. 1,461,433–4; July 10.
Match box. J. A. Hey. 1,461,146; July 10.
Match machines, Composition-applying device for book-. W. H. Shofter. 1,461,461; July 10.
Measuring and dispensing vessel, Liquid. J. M. Kishpaugh. 1,461,486; July 10.
Measuring and indicating mechanism, Fluid. A. Stuber. Re15,651; July 10.
Measuring machine, Liquid-. W. W. Leinert. 1,461,424; July 10.
Meat-block cleaner. S. Hermanowich. 1,461,615; July 10.
Medal, Athlete's. C. J. Velte. 1,461,565; July 10.
Medicinal device. S. Glickson. 1,461,185; July 10.
Mesh bag. H. B. Rowan. Des. 62,647; July 10.
Metal wheel. R. J. Barrows. 1,461,515; July 10.
Metal-working tool. C. A. West. 1,461,548; July 10.
Microscopes, Condenser for illuminator for. H. N. and H. G. Ott. 1,461,367; July 10.
Milling machine. H. C. Rose and A. Oberhoffken. 1,461,098; July 10.
Milling machine, Circular-. H. C. Rose and A. Oberhoffken. 1,461,097; July 10.
Milling machines, Indexing plate for. E. R. La Casse. 1,461,316; July 10.
Mirror support. F. H. Mason. 1,461,626; July 10.
Mixing and beating machine. H. Trust and F. M. Ashley. 1,461,468; July 10.
Molding apparatus and process, Ware-. V. E. Schmeideknecht. 1,461,563; July 10.
Molding machine. H. E. Henricks. 1,461,145; July 10.
Molds, Machine for delivering cores to. H. A. Myers. 1,461,222; July 10.
Motor: *See*—
Current motor. Fluid motor.
Motors, Automatic controller for. J. C. and F. L. De Laney. 1,461,265; July 10.
Mower, Lawn. J. W. Peters. 1,461,323; July 10.
Mowers, Cutter bar for lawn. E. C. Lane. 1,461,532; July 10.
Musical instruments, Bow for. C. D. Rigg. 1,461,096; July 10.
Musical instruments, Means for instruction with respect to. J. C. Hagey and T. E. Kavanaugh. 1,461,241; July 10.
Nail-pulling machine. W. Ellis. 1,461,712; July 10.
Necklaces, Catch for. H. C. Schick. Des. 62,648–51; July 10.
Necktie holder. C. Vacek. 1,461,506; July 10.
Nest, Poultry. J. L. Boisvert. 1,461,303; July 10.
Net-pulling machine. W. F. Depew. 1,461,141; July 10.
Nut grader. W. P. Bullard. 1,461,264–5; July 10.
Nut-shelling machine. J. H. Aldrich. 1,461,410; July 10.
Nut tapping machine. E. F. Barnes. 1,461,171; July 10.
Oxygen and hydrogen, Electrolyzing apparatus for the manufacture of. G. F. Jaubert. 1,461,661; July 10.
Oil cap. F. Arrigoni. 1,461,436; July 10.
Oiler, Spring. W. E. Leech, jr. 1,461,244–5; July 10.
Ophthalmic mounting. C. O. Cozzens. 1,461,082; July 10.
Ophthalmic mounting. E. L. Schumacher. 1,461,071; July 10.
Ophthalmic mounting. H. H. Styll. 1,461,073; July 10.
Orchard heater. G. Lingenfelter. 1,461,247; July 10.
Ore and like materials, Treating. W. E. Trent. 1,461,372; July 10.
Ore separator. A. E. Bookwalter. 1,461,647; July 10.
Ornamental fabric. C. Jenkins. 1,461,581; July 10.
Oven. C. McBridge. 1,461,280; July 10.
Overload device. C. H. Rippl. 1,461,370; July 10.
Ozonizer. M. W. Willson. 1,461,238; July 10.
Package-tying device. L. R. Sangston. 1,461,584; July 10.
Paper-cup-dispensing device. J. Schoepe. 1,461,332; July 10.
Packer, Tobacco. O. R. Matson. 1,461,491; July 10.
Paper-cutting machine. E. R. Linebaugh. 1,461,425; July 10.
Paper, Wall. W. A. Lorenz. 1,461,397; July 10.
Papering device, Wall-. S. Pytlak. 1,461,453; July 10.
Paving blocks, Spacer for. W. P. Whitney. 1,461,060; July 10.
Pencil. O. C. Billman. 1,461,437; July 10.
Phonograph. W. M. Venable. 1,461,334; July 10.
Phonographs, Automatic stop for. G. L. Schuetz. 1,461,050; July 10.
Pictures, Producing visual depth in projected. T. H. Marten. 1,461,131–2; July 10.
Pipe: *See*—
Tobacco pipe.
Pipe and nut wrench, Combined. G. Forton. 1,461,522; July 10.
Pipe coupling. H. W. Hahn. 1,461,482; July 10.
Pipe-thread protector. H. W. Avery. 1,461,595; July 10.
Pipes, Adjustable head for. C. M. Buller. 1,461,438; July 10.
Pipes, Strainer and stopper for. M. Lebleson. 1,461,317; July 10.
Pistol and other small arm, Automatic. J. W. Fearn. 1,461,387; July 10.
Planting machine, Potato-. H. S. Larsen. 1,461,396; July 10.
Plate-feeding mechanism. C. A. Kloman. 1,461,358; July 10.
Platforms, Device for driving the bands of rolling. L. D. A. Casalonga and G. Miot. 1,461,476; July 10.
Plating, half-rotary feed guide. N. H. Seymour. 1,461,684; July 10.
Plows, Subsoiler attachment for. F. M. Dyke. 1,461,113; July 10.
Pocket for wearing apparel. C. R. Wood. Re15,646; July 10.
Pocket, Rule. C. R. Wood. Re15,647; July 10.
Poles, Restoring. F. W. Patterson. 1,461,046; July 10.
Polishing machine. F. A. Marcello. 1,461,708; July 10.
Power transmission. J. Reece. 1,461,557; July 10.
Power-transmission apparatus. J. Reece. 1,461,558; July 10.
Power-transmission apparatus. J. and F. A. Reece. 1,461,559; July 10.
Press: *See*—
Baling press. Salt press.
Press and using same, Straightening. J. H. Staley. 1,461,463; July 10.
Pressure gauge. K. R. Strandell. 1,461,200; July 10.
Printers' galleys, Correction of type in. T. Burden. 1,461,081; July 10.
Printing machine, Rotary. J. M. Almedia. 1,461,594; July 10.
Printing roller. A. Johnson. 1,461,123; July 10.
Printing roller. T. Regensteiner. 1,461,068; July 10.
Projection device. T. H. Marten. 1,461,133; July 10.
Propeller. E. Voge. 1,461,054; July 10.
Puller: *See*—
Wheel puller.
Pump-pressure-regulating device, Air. H. Brewer. 1,461,379; July 10.
Pump, Vacuum. W. G. Houskeeper. 1,461,190; July 10.
Pumping system. H. E. La Bour. 1,461,622; July 10.
Punch, Center. A. Forsyth. 1,461,032; July 10.
Purifying and packaging ether. E. Mallinckrodt, jr. 1,461,539; July 10.
Pyroxylin, celluloid, and like materials, Shaping. C. E. Wehn. 1,461,299; July 10.
Rack: *See*—
Towel rack.
Rack. P. T. Regan. 1,461,676; July 10.
Radiator cap. G. E. Force. 1,461,706; July 10.
Radiator. Transformer. W. M. Dann. 1,461,518; July 10.
Radioactive spray material. R. R. Adams. 1,461,340; July 10.
Radius leaf. G. C. Robbins. 1,461,497; July 10.
Rail anchor. R. A. Blair. 1,461,258–61; July 10.
Rail bond. T. Haulton. 1,461,061; July 10.
Rail jack. F. Hachmann. 1,461,186; July 10.
Railway brake. O. Royster. 1,461,254; July 10.
Railway-crossing signal. J. B. De Luca. 1,461,180; July 10.
Railway mine tie and rail fastener. T. Richards, sr. 1,461,069; July 10.
Railway tie. C. J. Cooper. 1,461,477; July 10.
Razor, Safety. J. A. D. Watt. 1,461,168; July 10.
Razors, Safety guard for. A. McAnulty. 1,461,490; July 10.
Reading guide, paper cutter, and bookmark, Combined. O. J. Kraemer. 1,461,395; July 10.
Receptacle. I. Levy. 1,461,667; July 10.

Record system, Curve. W. C. Brinton. 1,461,710; July 10.
Reel: *See*—
Film reel. Fishing reel.
Fish reel.
Reflector, Nonglare. J. N. Lyles. 1,461,362; July 10.
Reflectors, Producing. M. Wiskott. 1,461,301; July 10.
Regulator: *See*—
Windmill regulator.
Rheostat and the like. E. R. Stockle. 1,461,634; July 10.
Rheostat with auxiliary contact system. D. H. Sheriff, jr. 1,461,072; July 10.
Rim, Demountable. J. K. Wilkens. 1,461,592; July 10.
Rim tool, Split-. A. L. Levy. 1,461,194; July 10.
Ring traveler. P. C. Wentworth. 1,461,059; July 10.
Rods, Device for truing connecting. W. C. Coryell. 1,461,309; July 10.
Roller: *See*—
Car-door roller. Printing roller.
Roof plate form. L. Engeset. 1,461,182; July 10.
Rope hitch. A. L. Shaner. 1,461,498; July 10.
Rubber, Reclaiming vulcanized. W. B. Pratt. 1,461,675; July 10.
Rule, Slide. C. N. Reynolds, jr. 1,461,677; July 10.
Saddle. C. B. Mills. 1,461,282; July 10.
Salt press, Hydraulic. G. Kershner. 1,461,093; July 10.
Sand and gravel, Apparatus for treating. R. W. Moser. 1,461,067; July 10.
Sash raising and lowering device. N. C. Leidgen. 1,461,277; July 10.
Saw, Drag. F. Fox. 1,461,388; July 10.
Saw, Ice. J. C. Dietrich. 1,461,479; July 10.
Screen: *See*—
Window screen.
Searchlight mounting, Quick-detachable. J. K. Olsen. 1,461,285; July 10.
Separator: *See*—
Air separator. Ore separator.
Centrifugal separator.
Sewing machine. J. Kiewicz. 1,461,619; July 10.
Sewing machine. M. McCann. 1,461,428; July 10.
Sewing-machine driving mechanism. L. Welker, jr. 1,461,058; July 10.
Sewing machine, Buttonhole-. A. E. Lindner. 1,461,040; July 10.
Sewing machines, Snap-fastener clamp for. M. McCann. 1,461,427; July 10.
Shade container, Window-. G. W. Grigg. 1,461,390; July 10.
Shade-roller fixture. P. A. Perse, jr. 1,461,583; July 10.
Shaft hanger. I. F. Webb. 1,461,236; July 10.
Shafts and other mechanical rotary members, Means for indicating error in direction of rotation of. J. McKechnie and W. F. Rabbidge. 1,461,448; July 10.
Sheet-metal building. A. McKenzie. 1,461,538; July 10.
Sheet-metal plates, Apparatus for separating rolled. J. A. Hellstrom. 1,461,580; July 10.
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Ship propulsion, Electric. A. H. Mittag. 1,461,553; July 10.
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Ship-propulsion system. C. Macmillan. 1,461,551; July 10.
Ship-propulsion system. A. H. Mittag. 1,461,552; July 10.
Ships' plates, Fastening means for. W. Meyer. 1,461,195; July 10.
Shock absorber. A. E. Guertin. 1,461,391; July 10.
Shoe dressing. S. Cassisa. 1,461,696; July 10.
Shoe bottoms, Machine for operating on. E. Erickson. 1,461,085.
Shoe-shining device. F. W. Dusche. 1,461,310; July 10.
Shoemaker's repair form. R. Castrogiovanni. 1,461,517; July 10.
Sifter, Flour. H. V. Wheeler. 1,461,567; July 10.
Sign, Advertising. J. L. Ray. 1,461,047; July 10.
Signal: *See*—
Automobile signal. Track signal.
Railway-crossing signal.
Signal. J. H. Hunt. 1,461,215; July 10.
Signaling apparatus. R. C. Pessell. 1,461,402; July 10.
Signaling apparatus. W. L. Walker. 1,461,056; July 10.
Signaling system. J. H. Bell. 1,461,204; July 10.
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Silo ladder. F. M. Reinhart. 1,461,291; July 10.
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Slicing machines, Sharpener for. R. W. Bachman. 1,461,105; July 10.
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Slitting means. J. A. Cameron and G. B. Birch. 1,461,266; July 10.
Smoke screens, Material for producing. H. F. French and R. C. Benner. 1,461,646; July 10.
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Speed transmission, Variable. J. Reece. 1,461,556; July 10.
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Speedometers, Transmission drive for. W. H. Schulze. 1,461,293; July 10.
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Submarine signaling. C. R. Moore. 1,461,220; July 10.
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Electric switch.
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Tack-pulling device. F. H. Warren. 1,461,057; July 10.
Tacks, Device for inserting map. W. P. Mills. 1,461,670; July 10.
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Talking-machine records, Holder or cabinet for carrying. H. Welde. 1,461,336; July 10.
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Telegraphic receiving instrument. C. Adams-Randall. 1,461,568; July 10.
Telegraph system, Automatic. G. R. Benjamin. 1,461,645; July 10.
Telephone-exchange line switch. H. F. Dobbin. 1,461,212; July 10.
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Telescope. M. Lichtman. 1,461,063; July 10.
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Thrashers, Separating mechanism for. E. W. Jones. 1,461,314; July 10.
Thread, Machine for treating skeins of. M. Santaló. 1,461,330; July 10.
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Ticket changer, Adjustable metal-. E. Becker and E. Aber. 1,461,022; July 10.
Ticket, Marking. A. K. Marsh. 1,461,625; July 10.
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Toilet fixtures. Device for flushing. D. Newton. 1,461,284; July 10.
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Towel rack. W. Kahl. 1,461,124; July 10.
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Valve for automatic water heaters. C. D. Bedwin. 1,461,644; July 10.
Valve for internal-combustion engines, Oscillating. R. A. Bradley. 1,461,472; July 10.
Valve grinder. J. M. Coburn and J. M. McCrary. 1,461,267; July 10.
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Valve, Radiator. C. V. Haynes. 1,461,657; July 10.
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Valve tappet for internal-combustion engine. G. R. Rich. 1,461,560; July 10.
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Vehicle, Endless-track. L. K. Davis. 1,461,028; July 10.
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Vehicle wheel, Resilient. T. S. Hallett. 1,461,483; July 10.
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Vehicles, Signal and guide light for motor. A. Parlow. 1,461,197; July 10.
Vending machine. W. H. Gilbert. 1,461,613; July 10.
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Vessels, Method of and means for propelling and controlling. T. G. Tulloch. 1,461,691; July 10.
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Washing machine. T. Inaki. 1,461,354; July 10.
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Washing machines, Multiple-tub. I. D. Lengel. 1,461,318; July 10.
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Water or other liquid by compressed air, Method and means for raising. R. C. Dickson. 1,461,112; July 10.
Waterproofed receptacles, Methods of and apparatus for producing. W. E. Benson. 1,461,024; July 10.
Weaner, Calf. E. W. Nedved. 1,461,582; July 10.
Weather strip. A. B. Beltman. 1,461,079; July 10.
Welding, Operator's outfit for electric. E. Woltmann. Re15,652; July 10.
Well bailer, Oil-. C. W. Morris. 1,461,365; July 10.
Well drill. F. L. Gilman and J. R. Wilson. 1,461,713; July 10.
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Welt-beating machine. F. N. La Chapelle. 1,461,062; July 10.
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Metal wheel. Windmill wheel.
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Wheel. R. G. Bruner. 1,461,475; July 10.
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Wheels, Resilient rim for automobile. F. Thornton. 1,461,505; July 10.
Winch and support therefor, Combined. A. J. Karl and B. F. Webb. 1,461,637; July 10.
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Winding machine. E. Zindel. 1,461,641; July 10.
Windmill regulator. J. M. Lowe. 1,461,489; July 10.
Windmill wheel. N. A. Roman. 1,461,048; July 10.
Window-cleaner's life net. G. W. Bryant. 1,461,648; July 10.
Window construction. P. Becker. 1,461,023; July 10.
Window fastener and antirattler. R. Stuart. 1,461,467; July 10.
Window lock. S. J. Hoff. 1,461,147; July 10.
Window-operating mechanism. L. M. Foss. 1,461,610; July 10.
Window screen. A. E. Davis. 1,461,441; July 10.
Window screen. C. W. Trickey. 1,461,588; July 10.
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Windows and screen doors, Screen for. H. B. Shippee. 1,461,500; July 10.
Windshield. A. M. Reiner. 1,461,095; July 10.
Windshield cleaner. A. L. Fitz Gibbon. 1,461,087; July 10.
Windshield, Safety. R. H. West. 1,461,237; July 10.
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Wire distributor. J. W. Hendrix. 1,461,214; July 10.
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Wood-cutter sizer head. H. K. Hansen. 1,461,090; July 10.
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Yarn-tension device. J. O. McKean. 1,461,536–7; July 10.

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ISSUED JULY 10, 1923.

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	56:	1,461,680		135:	1,461,396		330:	1,461,258	250—	9:	1,461,064	263—	19:	1,461,357	290—	3:	1,461,534
	59:	1,461,029		144:	1,461,411			1,461,259		27:	1,461,232		49:	1,461,555		41:	1,461,234
	61:	1,461,689	224—	13:	1,461,334			1,461,260		41:	1,461,287	264—	13:	1,461,381	292—	48:	1,461,591
208—	165:	1,461,406		28:	1,461,250			1,461,261	251—	7:	1,461,507			1,461,628		57:	1,461,147
210—	48:	1,461,627		29:	1,461,373	240—	1:	1,461,572		74:	1,461,188		16:	R. 15,650		75:	1,461,467
	165:	1,461,687			1,461,503		7:	1,461,285		91:	1,461,520	267—	20:	1,461,274		207:	1,461,499
211—	8:	1,461,332	226—	38:	1,461,654		8.5:	1,461,540		156:	1,461,637		51:	1,461,273	293—	55:	1,461,431
		1,461,374		68:	1,461,539		41:	1,461,197		167:	1,461,439			1,461,295			1,461,564
		1,461,417		84:	1,461,550			1,461,362	253—	16.5:	1,461,422		54:	1,461,672	294—	3:	1,461,361
	13:	1,461,442	229—	35:	1,461,415			1,461,544		47:	1,461,699		67:	1,461,497		43:	1,461,270
	16:	1,461,336		44:	1,461,175		60:	1,461,607		136:	1,461,623	268—	4:	1,461,277	296—	23:	1,461,574
	17:	1,461,363		53:	1,461,049		61:	1,461,341	254—	7:	1,461,481			1,461,610		84:	1,461,095
212—	59:	1,461,307		80:	1,461,635		62:	1,461,604		10:	1,461,371	271—	37:	1,461,358			1,461,237
	105:	1,461,454	230—	13:	1,461,190		111:	1,461,611			1,461,688	274—	10:	1,461,111		93:	1,461,079
215—	100:	1,461,621			1,461,447	242—	34:	1,461,641		18:	1,461,712		33:	1,461,597		95:	1,461,398
216—	6:	1,461,433		24:	1,461,379		39:	1,461,205		44:	1,461,186		37:	1,461,176			1,461,478
217—	5:	1,461,587	233—	23:	1,461,031		53:	1,461,705		50:	1,461,632	278—	115:	1,461,430		97:	1,461,289
	22:	1,461,099	234—	1:	1,461,519		84.4:	1,461,586		64:	1,461,214	279—	9:	1,461,548	299—	96:	1,461,546
	26:	1,461,235			1,461,613		84.6:	1,461,043		94:	1,461,353		101:	1,461,154		120:	1,461,545
219—	8:	R. 15,652	235—	1:	R. 15,651		117:	1,461,052		111:	1,461,355	280—	31:	1,461,458	301—	3:	1,461,223
	48:	1,461,634		70:	1,461,677		124:	1,461,480		138:	1,461,141		33.15:	1,461,412		21:	1,461,311
	55:	1,461,072		83:	1,461,449		150:	1,461,536		145:	1,461,650		33.44:	R. 15,649		30:	1,461,592
220—	32:	1,461,706		88:	1,461,138			1,461,537		185:	1,461,338		87:	1,461,210		63:	1,461,229
	47:	1,461,253		98:	1,461,432	244—	21:	1,461,216		186:	1,461,637		96.1:	1,461,027			1,461,515
	52:	1,461,151		138:	1,461,455		29:	1,461,660	255—	4:	1,461,037		147:	1,461,107			1,461,690
	86:	1,461,436	236—	18:	1,461,470		30:	1,461,700			1,461,713		152:	1,461,304	303—	78:	1,461,025
221—	13:	1,461,375		25:	1,461,644	246—	196:	1,461,352	257—	139:	1,461,518	282—	27:	1,461,399		85:	1,461,042

ALPHABETICAL LIST OF REGISTRANTS OF TRADE-MARKS.

A. and G. Co., St. Louis, Mo. Applicators for the lips. 170,485; July 17; Serial No. 172,409; published Apr. 17, 1923.

Ad-Pep Printing and Publishing Co. (See International Association of Machinists.)

Aetna Carpet Co., New York, N. Y. Textile carpets. 170,539; July 17; Serial No. 174,504; published Apr. 17, 1923.

Agripa Company, The. (See Mitchell, Robert G.)

Alkin & Alkin, Fort Worth, Tex. Playing cards. 170,371; July 17; Serial No. 174,056; published Apr. 10, 1923.

Akin Manufacturing Company, Charlotte, N. C. Shoe polish. 170,603; July 17; Serial No. 174,809; published Apr. 24, 1923.

Aladdin Mystic Beauty Company, Grand Rapids, Mich. Clay for facial treatment. 170,459; July 17; Serial No. 172,572; published Apr. 10, 1923.

Alexander, Samuel, Philadelphia, Pa. Boots and shoes made of leather. 170,486; July 17; Serial No. 172,410; published Apr. 17, 1923.

Allen-Spiegel Shoe Mfg. Co., Belgium, Wis. Shoes, insoles, and outer soles. 170,399; July 17; Serial No. 171,519; published Apr. 10, 1923.

Aller Brothers, Chicago, Ill. Paper tablets, composition and blank books, pads, papeteries, etc. 170,638; July 17; Serial No. 175,539; published Apr. 17, 1923.

Ambrosia Chocolate Co., Milwaukee, Wis. Candy. 170,430; July 17; Serial No. 171,887; published Apr. 10, 1923.

American Agricultural Chemical Company, The, New York, N. Y. Fertilizer. 170,622; July 17; Serial No. 176,868; published Apr. 17, 1923.

American Banking Machine Corporation, The, Saginaw, Mich. Advertising cards and educational posters. 170,608; July 17; Serial No. 173,948; published Apr. 24, 1923.

American Chemical & Drug Co., Olyphant, Pa. Proprietary medicinal preparation for use as an aid to nature in lung affections, coughs, etc. 170,431; July 17; Serial No. 171,889; published Apr. 10, 1923.

American Cotton Oil Company, The, Union Township, near Guttenberg, N. J., and New York, N. Y. Oil for salads and cooking. 170,400; July 17; Serial No. 171,520; published Apr. 10, 1923.

American Oil Corporation, Jackson, Mich. Lubricating oils. 170,531; July 17; Serial No. 174,277; published Mar. 27, 1923.

American Pickle & Canning Company, Hattiesburg, Miss. Pickles. 170,518; July 17; Serial No. 172,716; published Apr. 17, 1923.

American Uniform Company, Inc., Wales, Mass. Woolen fabrics in the piece. 170,651; July 17; Serial No. 170,115; published Apr. 24, 1923.

Anderson, Arthur A., doing business as Arthur Anderson Fish Co., Astoria, Oreg. Canned salmon. 170,515; July 17; Serial No. 172,821; published Apr. 17, 1923.

Arizona Citrus Growers' Co., Phoenix, Ariz. Fresh citrous fruits. 170,516; July 17; Serial No. 172,857; published Apr. 17, 1923.

Atmore and Son, Inc., Philadelphia, Pa. Mayonnaise. 170,449; July 17; Serial No. 172,196; published Apr. 10, 1923.

Baltimore Copper Paint Company. (Eee Reeder, Oliver & Son, Inc.)

Barriemore Shop, The. (See Lederer & Latz.)

Barry, T. D., Company, Brockton, Mass. Shoes made wholly or in part of leather. 170,410; July 17; Serial No. 173,460; published Apr. 3, 1923.

Bear, John D., Company. (See O'Rear, Robert E.)

Berg, Frank L., Alton, Ill. Candy. 170,549; July 17; Serial No. 173,289; published Apr. 24, 1923.

Biehl, George M., doing business as Liberty Storage Battery Company, Pottsville, Pa. Storage batteries. 170,575; July 17; Serial No. 167,347; published Apr. 3, 1923.

Bird-Archer Company, The, New York, N. Y. Core facings, blackings, and binders, etc. 170,583; July 17; Serial No. 158,596; published Apr. 17, 1923.

Bishop & Company, Los Angeles, Calif. Biscuits. 170,663; July 17; Serial No. 134,455; published Aug. 24, 1920.

Blackburn, Mrs. L. A., Fort Worth, Tex. Preparation for influenza. 170,364; July 17; Serial No. 173,952; published Apr. 10, 1923.

Blair, Samuel A., doing business as Blair Lumber Company, New York, N. Y. Wall or plaster board. 170,522; July 17; Serial No. 174,723; published Apr. 17, 1923.

Blumenfield, Samuel M., New York, N. Y. Boys' and men's caps. 170,365; July 17; Serial No. 173,953; published Apr. 3, 1923.

Blumenthal, Sidney, & Co. Inc., New York, N. Y. Pile fabrics in the piece. 170,636; July 17; Serial No. 175,767; published Apr. 17, 1923.

Bon-Quin Co. (See Brown, H. Clay.)

Booth, F. E., Co., San Francisco, Calif. Oil used in making high-gloss varnish. 170,578; July 17; Serial No. 167,553; published Apr. 17, 1923.

Bost, Bernice C., Chicago, Ill. Section of a monthly periodical. 170,562; July 17; Serial No. 173,910; published Apr. 17, 1923.

Bownes, Frank, Company, Inc., Lynn, Mass. Paint enamels. 170,609; July 17; Serial No. 176,396; published Apr. 17, 1923.

Brackett, William E., Toledo, Ohio. Powder for bathing, washing, and cleaning purposes. 170,564; July 17; Serial No. 173,994; published Apr. 24, 1923.

Brecht Candy Company, The, Denver, Colo. Candy. 170,448; July 17; Serial No. 172,199; published Apr. 10, 1923.

Brine, James W., Company, Boston, Mass. Woolen football blankets. 170,519; July 17; Serial No. 172,728; published Apr. 17, 1923.

Brown, H. Clay, doing business as The Bon-Quin Co., Shreveport, La. Medicinal tonics for keeping the system in a healthy condition, etc. 170,552; July 17; Serial No. 173,589; published Apr. 17, 1923.

Brown Orcola Company, The, Chicago, Ill. Shortening. 170,580; July 17; Serial No. 167,598; published Apr. 17, 1923.

Buettner, T., & Co., Chicago, Ill. Art needlework. 170,645; July 17; Serial No. 170,270; published Apr. 24, 1923.

Bunge, Herman, Elgin, Ill. Gasoline and lubricating oils. 170,643; July 17; Serial No. 176,064; published Apr. 17, 1923.

Burns, E. Reed, Manufacturing Corp., Brooklyn, N. Y. Polishing compositions in the form of powder, paste, and liquid for metal. 170,499; July 17; Serial No. 171,009; published Apr. 24, 1923.

Burpee, W. Atlee, Co., Philadelphia, Pa. Vegetable seeds. 170,627; July 17; Serial No. 175,065; published Apr. 24, 1923.

C-R Millinery Co., Chicago, Ill. Misses' and ladies' hats. 170,432; July 17; Serial No. 171,905; published Apr. 10, 1923.

Cabrera, G. M., doing business as Cabrera & Co., New York, N. Y. Chocolate. 170,657; July 17; Serial No. 168,511; published Apr. 17, 1923.

Calcorganic Laboratories. (See Holm, J. Henry.)

California Card Manufacturing Co., San Francisco, Calif. Photographic mountings. 170,633; July 17; Serial No. 175,340; published Apr. 17, 1923.

Camlin Corset Co., Inc., New York, N. Y. Corsets and brassières. 170,386; July 17; Serial No. 170,620; published Apr. 10, 1923.

Cannon, Addis O., doing business as Cannon Toy Factory, Kent, Ohio. Toy wagons. 170,370; July 17; Serial No. 174,053; published Apr. 10, 1923.

Canvas Products Company, St. Louis, Mo. Tents, tarpaulins, wagon covers, etc. 170,690–1; July 17.

Capitol Hat Frame Works, Des Moines, Iowa. Hat frames. 170,389; July 17; Serial No. 170,807; published Apr. 3, 1923.

Carmichael, Homer S., doing business as The International Canning Co., Belize, British Honduras, Central America. Canned lobster and tropical fruits. 170,592; July 17; Serial No. 148,126; published Oct. 31, 1922.

Carnrick, G. W., Co., New York, N. Y. Medicinal preparations for the treatment of glandular deficiency. 170,415; July 17; Serial No. 173,127; published Apr. 10, 1923.

Cassileth & Schwartz, Brooklyn, N. Y. Fur skins. 170,678; July 17; Serial No. 169,754; published Apr. 24, 1923.

Celite Products Company, Los Angeles, Calif., and New York, N. Y. Material for arresting and separating impurities or other matter from fluids. 170,594; July 17; Serial No. 146,755; published Apr. 17, 1923.

Central Dental Laboratory Co. Incorporated, New York, N. Y. Dental crowns composed of artificial enamel and metal. 170,378; July 17; Serial No. 174,356; published Apr. 10, 1923.

Ceres Core Binder Company. (See McGrory, Daniel T.)

Chadwin, Leo L., doing business as Gem Tire & Rubber Company, Philadelphia, Pa. Tires and inner tubes. 170,487; July 17; Serial No. 172,512; published Apr. 24, 1923.

Cicetti, Federico, doing business as No-Worry Chemical Co., Newark, N. J. Washing fluid. 170,630; July 17; Serial No. 174,725; published Apr. 24, 1923.

Cleveland Steel Barrel Company, The, Cleveland, Ohio. Pump outfits for dispensing lubricants and other fluids, parts thereof, and fittings thereof. 170,472; July 17; Serial No. 171,063; published Apr. 17, 1923.

Close, George Co., The, Cambridge, Mass. Candy. 170,483; July 17; Serial No. 172,517; published Apr. 17, 1923.

Close, George Co., The, Cambridge, Mass. Candy. 170,488; July 17; Serial No. 172,516; published Apr. 17, 1923.

Cohen, J. H., doing business as The Connecticut Automotive Specialties Co., Inc., Bridgeport, Conn. Vacuum tank floats. 170,469; July 17; Serial No. 167,840; published Apr. 17, 1923.

Combier & Cie., Saumur, France. Beverages sold as soft drinks. 170,374; July 17; Serial No. 174,166; published Apr. 10, 1923.

Concentrated Products Corporation, Carlstadt, N. J., and New York, N. Y. Shampoo. 170,412; July 17; Serial No. 173,323; published Apr. 10, 1923.

Connecticut Automotive Specialties Co., The. (See Cohen, J. H.)

Con-O-Lite Corporation, Cortland, N. Y. Burial vaults. 170,642; July 17; Serial No. 176,072; published Apr. 17, 1923.

Continental Rubber Company of New York, New York, N. Y. Unvulcanized Guayule rubber. 170,538; July 17; Serial No. 174,427; published Apr. 24, 1923.

Cord Tire Corporation, The, Chester, W. Va. Automobile tire casings. 170,660; July 17; Serial No. 167,712; published Apr. 17, 1923.

Corning Glass Works, Corning, N. Y. Glass teapots. 170,395; July 17; Serial No. 171,413; published Apr. 10, 1923.

Curtis & Jones Company, Reading, Pa. Shoes. 170,396; July 17; Serial No. 171,414; published Apr. 10, 1923.

Dakota Compound Company, Pierre, S. Dak. Powder used as water softener. 170,440; July 17; Serial No. 172,084; published Apr. 10, 1923.

Deane Plaster Co., The, Yonkers, N. Y. Antiseptic dressings and absorbent and medicated cottons and gauzes, and bandages. 170,434; July 17; Serial No. 175,307; published Apr. 17, 1923.

Deep Sea Fisheries, Inc., Rockland, Me. Boneless salt codfish. 170,441; July 17; Serial No. 172,085; published Apr. 10, 1923.

Delacour Bros. Ltd., London, England. Tobacco pipes. 170,612–15; July 17; Serial Nos. 176,723–6; published Apr. 24, 1923.

Delacour Bros. Ltd., London, England. Tobacco pipes. 170,623–4; July 17; Serial Nos. 176,727–8; published Apr. 24, 1923.

Des Lauriers Metal Products Co., Inc., St. Paul, Minn. Milk-shipping cans and cans used for packing and shipping ice cream. 170,641; July 17; Serial No. 176,166; published Apr. 24, 1923.

Diamond Match Company, The, Chicago, Ill. Matches. 170,565–6; July 17; Serial Nos. 158,822–3; published Apr. 17, 1923.

Diamond Match Company, The, Chicago, Ill. Matches. 170,617–20; July 17; Serial Nos. 177,075–8; published Apr. 17, 1923.

Disney Hats, New York, N. Y. Hats and caps. 170,392; July 17; Serial No. 171,209; published Apr. 3, 1923.

Domino House. (See Sullivan, Marguerite.)

Drug Products Co., Inc., The, Long Island City, N. Y. Suppositories. 170,568; July 17; Serial No. 173,999; published April 10, 1923.

Easting Windscreens Limited, Birmingham, England. Wind screens for use with vehicles. 170,493; July 17; Serial No. 171,987; published Apr. 24, 1923.

Edmonds Shoe Company, Milwaukee, Wis. Leather shoes. 170,540; July 17; Serial No. 174,514; published Apr. 17, 1923.

Egyptian Seed Growers Exchange, Flora, Ill. Grass and field seed. No. 170,388; July 17; Serial No. 170,759; published Apr. 10, 1923.

Ehmann Olive Company, Oroville, Calif. Canned baked beans with pork. 170,662; July 17; Serial No. 168,359; published Apr. 24, 1923.

Eisendrath, Joseph N., Company, The, Chicago, Ill. Leather gloves, gauntlets, and mittens. 170,403; July 17; Serial No. 173,475; published Apr. 10, 1923.

Eisendrath, Joseph N., Company, The, Chicago, Ill. Leather gloves, gauntlets, and mittens. 170,404–5; July 17; Serial Nos. 173,472–3; published Apr. 10, 1923.

Eisendrath, Joseph N., Company, The, Chicago, Ill. Leather gloves, gauntlets, and mittens. 170,406; July 17; Serial No. 173,470; published Apr. 10, 1923.

Eisendrath, Joseph N., Company, The, Chicago, Ill. Leather gloves, gauntlets, and mittens. 170,407–9; July 17; Serial Nos. 173,466–8; published Apr. 10, 1923.

Electrad Corporation of America, New York, N. Y. Vacuum tubes. 170,366; July 17; Serial No. 173,960; published Apr. 3, 1923.

Ephraim Sanitary Canning Company, Ephraim, Utah. Canned vegetables. 170,654; July 17; Serial No. 169,477; published Apr. 17, 1923.

European Radio Company. (See Goll, Robert E.)

Ewald, Cora, Brooklyn, N. Y. Toy dolls. 170,377; July 17; Serial No. 174,386; published Apr. 10, 1923.

Faehndrich, William, New York, N. Y. Cheese. 170,665; July 17; Serial No. 147,720; published Jan. 10, 1922.

Filice & Perrelli Canning Co., Gilroy, Calif. Canned fruits and vegetables. 170,401; July 17; Serial No. 171,534; published Apr. 10, 1923.

Fisher, William H., doing business as Fisher Manufacturing Co., Brockton, Mass. Mops and mop handles. 170,644; July 17; Serial No. 175,855; published Apr. 17, 1923.

Fisk Rubber Company, The, Chicopee Falls, Mass. Rubber tires. 170,546; July 17; Serial No. 173,186; published Apr. 24, 1923.

Fletcher American Company, Indianapolis, Ind. Monthly publication. 170,668; July 17; Serial No. 158,676; published Apr. 24, 1923.

Flexible Steel Lacing Company, Chicago, Ill. Flexible or hinged belt fasteners. 170,470; July 17; Serial No. 167,870; published Apr. 17, 1923.

Fontana Food Products Company, San Francisco, Calif. Macaroni products, canned fruits, vegetables, and fish, evaporated milk, etc. 170,507; July 17; Serial No. 172,872; published Apr. 17, 1923.

Forstmann & Huffmann Company, assignor to Forstmann & Huffmann Company, Passaic, N. J. Woolen piece goods. 170,653; July 17; Serial No. 169,441; published Apr. 24, 1923.

Fronk, Henrietta C., Schenectady, N. Y. Ointment for the treatment of rheumatism, sprains, sores, etc. 170,543; July 17; Serial No. 173,281; published May 1, 1923.

Fuchs, Joseph J., doing business as Tourists Pride Mfg. Co., Minneapolis, Minn. Inner-tube repair patches. 170,601; July 17; Serial No. 132,601; published Apr. 17, 1923.

Gem Tire & Rubber Company. (See Chadwin, Leo L.)

Glickman, Abraham E., Brooklyn, N. Y. Hair tonic. 170,500; July 17; Serial No. 171,017; published Apr. 17, 1923.

Glidden Nut Butter Company, The, Chicago, Ill. Oleomargarine. 170,669; July 17; Serial No. 159,506; published Feb. 13, 1923.

Glo-Tex Company, The, Indianapolis, Ind. Cleaning fluid for dry-cleaning fabrics, leather, and the like. 170,556; July 17; Serial No. 173,763; published Apr. 24, 1923.

Goldsmith, Stern & Co., New York, N. Y. Sewing thimbles. 170,379; July 17; Serial No. 174,387; published Mar. 13, 1923.

Goldthorp, Henry, Company, Inc., Philadelphia, Pa. Upholstery and drapery fabrics. 170,650; July 17; Serial No. 170,063; published Apr. 17, 1923.

Goll, Robert E., doing business as European Radio Company, Brooklyn, N. Y. Radio equipment. 170,380; July 17; Serial No. 174,388; published Apr. 3, 1923.

Goodman American Ice Cream Company, Chicago, Ill. Ice cream. 170,648; July 17; Serial No. 169,716; published Apr. 17, 1923.

Goodyear Rubber Company, Middletown, Conn. Rubber boots and shoes and arctic overshoes. 170,611; July 17; Serial No. 176,338; published Apr. 17, 1923.

Graham Brothers, Evansville, Ind. Motor trucks and automobiles. 170,489; July 17; Serial No. 172,272; published May 1, 1923.

Graham, William, New York, N. Y. Leather. 170,436; July 17; Serial No. 171,693; published Apr. 10, 1923.

Greene, William C., Company, Providence, R. I. Pins, buckles, clasps, buttons, watch chains, neck chains, etc. 170,455; July 17; Serial No. 172,331; published Apr. 3, 1923.

Greenfield's, E., Sons, New York and Brooklyn, N. Y. Chocolates and candies. 170,495; July 17; Serial No. 170,381; published Apr. 24, 1923.

Griswold Manufacturing Company, The, Erie, Pa. Dutch ovens. 170,475; July 17; Serial No. 172,156; published Apr. 17, 1923.

Gund, George, doing business as Hygienic Coffee Company, Cleveland, Ohio. Coffee. 170,484; July 17; Serial No. 172,529; published Apr. 17, 1923.

Haas Baruch & Co., Los Angeles, Calif. Tapioca. 170,491; July 17; Serial No. 171,317; published Apr. 24, 1923.

Halligan Candy Company, Davenport, Iowa. Candy. 170,511; July 17; Serial No. 173,043; published Apr. 17, 1923.

Hanover-Hall Company, New York, N. Y. Men's felt, straw, cloth, and silk hats and caps. 170,381; July 17; Serial No. 174,389; published Apr. 3, 1923.

Harlequin Parfumerie Compagnie, New York, N. Y. Bottles or vials or packages or cases in which there is inclosed or contained either perfume or toilet water, etc. 170,490; July 17; Serial No. 171,167; published Apr. 17, 1923.

Harris Suspender Company, New York, N. Y. Apparel belts. 170,421; July 17; Serial No. 172,944; published Apr. 3, 1923.

Harrison, Sarah A., Omaha, Nebr. Sanitary-napkin holders. 170,639; July 17; Serial No. 175,491; published Apr. 17, 1923.

Havens, Horace E., Chicago, Ill. Salad and cooking oil 170,520; July 17; Serial No. 172,738; published Apr. 17, 1923.

Hawthorne Paper Company, Kalamazoo, Mich. Writing paper. 170,586; July 17; Serial No. 156,447; published Apr. 17, 1923.

Health Products Corporation, New York, N. Y. Laxative chewing gum. 170,434; July 17; Serial No. 171,732; published Apr. 10, 1923.

Henderson, F. R., & Co. Inc., New York, N. Y. Caoutchouc milk. 170,673; July 17; Serial No. 172,533; published Apr. 24, 1923.

Henry Wiggin & Company Limited, Parade, Birmingham, England. Nickel and alloys of nickel in ingots, sheets, and wire. 170,477; July 17; Serial No. 172,701; published Apr. 17, 1923.

Henry Wiggin & Company Limited, Parade, Birmingham, England. Metals used for electrical purposes. 170,478; July 17; Serial No. 172,702; published Apr. 17, 1923.

Henry Wiggin & Company Limited, Parade, Birmingham, England. Nickel steel in the form of plates, sheets, wire, etc. 170,479; July 17; Serial No. 172,703; published Apr. 17, 1923.

Henry Wiggin & Company Limited, Parade, Birmingham, England. Nickel-chrome alloy. 170,480–1; July 17; Serial Nos. 172,704–5; published Apr. 17, 1923.

Henry Wiggin & Company Limited, Parade, Birmingham, England. Nickel and manganese alloy. 170,517; July 17; Serial No. 172,707; published Apr. 17, 1923.

Heywood-Wakefield Company, Gardner, Mass. Baby carriages and gocarts. 170,397; July 10; Serial No. 171,458; published Apr. 10, 1923.

Hibler, John M., doing business as J. M. Hibler Mfg. Co., Defiance, Ohio. Cleanser for rugs, carpets, woolen goods, clothing, upholstered furniture, etc. 170,677; July 17; Serial No. 171,019; published Apr. 24, 1923.

Hicks, Mme. Bertha M., Manufacturing Co., The, Indianapolis, Ind. Hair growers, liquid hair tonic, tetter salve, face cream, etc. 170,394; July 17; Serial No. 171,365; published Apr. 3, 1923.

Hirsch, Daniel, New York, N. Y. Identification tags. 170,695; July 17.

Hirsch, Walter J., Co., Chicago, Ill. Peanut butter, olives, mustard, chow relish. 170,584; July 17; Serial No. 157,523; published Apr. 24, 1923.

Holm, J. Henry, doing business as Calcorganic Laboratories, Chicago, Ill. Medicinal compound to be dispensed for promoting calcification. 170,402; July 17; Serial No. 171,539; published Apr. 10, 1923.

Honey Products Co., Tustin, Calif. Peanut jam. 170,557; July 17; Serial No. 173,769; published Apr. 24, 1923.

Hood River Canning Co., Hood River, Oreg. Canned cherries. 170,442; July 17; Serial No. 172,093; published Apr. 10, 1923.

Hooven and Allison Company, The, Xenia, Ohio. Istle rope. 170,599; July 17; Serial No. 117,597; published Dec. 30, 1919.

Horstmann, Wm. H. Company, Philadelphia, Pa. Yarn 170,621; July 17; Serial No. 176,999; published Apr. 17, 1923.

Humber Limited, Coventry, England. Bicycles, tricycles, motor cycles, motor trucks, passenger automobiles. 170,590; July 17; Serial No. 154,513; published Apr. 24, 1923.

Hurty-Peck & Co., Indianapolis, Ind. Beverage, sold as a soft drink and syrups for making the same. 170,369; July 17; Serial No. 174,011; published Apr. 10, 1923.

Hutmacher Brading Company, The, Paterson, N. J. Shoe and corset laces. 170,585; July 17; Serial No. 156,789; published Apr. 24, 1923.

Hygienic Coffee Company. (See Gund, George.)

Hygienic Laboratories, Chicago, Ill. Shampoo. 170,362; July 17; Serial No. 173,931; published Apr. 10, 1923.

Hygienic Laboratories, Chicago, Ill. Hair tonics. 170,363; July 17; Serial No. 173,932; published Apr. 10, 1923.

Ideal Tire and Rubber Company, The, Cleveland, Ohio. Vehicle tires, inner tubes, tire casings and shoes, and repair parts. 170,588; July 17; Serial No. 155,968; published Apr. 17, 1923.

Illinois Fruit Exchange, Centralia, Ill. Fresh fruits and vegetables. 170,581; July 17; Serial No. 167,641; published Apr. 24, 1923.

Indian Refining Company Inc., New York, N. Y. Lubricating oils, greases, compounds, etc. 170,460; July 17; Serial No. 172,596; published Apr. 10, 1923.

International Association of Machinists, doing business as Ad-Pep Printing and Publishing Co., Washington, D. C. Cartoons, advertising cartoons, and illustrations. 170,544; July 17; Serial No. 158,121; published Apr. 24, 1923.

International Canning Co., The. (See Carmichael, Homer S.)

International Harvester Company, Chicago, Ill. Tractors and attachments and parts thereof. 170,553; July 17; Serial No. 173,649; published Apr. 17, 1923.

"J-E" Storage Battery Company. (See Luburg, Charles E.)

Jeannette Glass Company, Jeannette, Pa. Glass plates, bowls, napkins, jars, jugs, pitchers, etc. 170,451; July 10; Serial No. 172,277; published Apr. 3, 1923.

Joannes Bros. Co., Green Bay, Wis. Tea. 170,521; July 17; Serial No. 172,743; published Apr. 17, 1923.

John, J. T., Company, Johns, N. C. Cantaloupes. 170,579; July 17; Serial No. 167,569; published Apr. 24, 1923.

Johnson Pickett Rope Co., The, Manila, P. I. Rope, twine, cables, commercial twines, clotheslines. 170,571–2; July 17; Serial Nos. 164,920–1; published Apr. 17, 1923.

Kann, Lewis L., doing business as Kann Manufacturing Co., New York, N. Y. Shoes made of leather and fabric and a combination of said materials. 170,411; July 17; Serial No. 173,426; published Apr. 3, 1923.

Kavanaugh, George W., Inc., New York, N. Y. Cotton sheetings and cloths in bolts. 170,602; July 17; Serial No. 134,825; published Feb. 11, 1922.

Kehr, Ernest, Richmond Hill, New York, N. Y. Cough lozenges. 170,393; July 17; Serial No. 171,326; published Apr. 10, 1923.

Kendall Mfg. Co., Providence, R. I. Soaps. 170,496; July 17; Serial No. 170,487; published Apr. 24, 1923.

Kermul Products, Inc., New York, N. Y. Wonder soap, body wash, floor cleanser, glass polish, metal polish, etc. 170,563; July 17; Serial No. 173,968; published Apr. 24, 1923.

Keynote Manufacturing Co. Inc., Indianapolis, Ind. Cooling chest. 170,473; July 17; Serial No. 171,086; published Apr. 10, 1923.

Keystone Varnish Company, Brooklyn, N. Y. Preparation used in the manufacture of floor paints, enamels, etc. 170,610; July 17; Serial No. 176,351; published Apr. 17, 1923.

Kimballton Lime Company, Inc., Kimballton, Va. Lime. 170,497; July 17; Serial No. 170,822; published Apr. 17, 1923.

King Candy Co., Fort Worth, Tex. Candies. 170,382; July 17; Serial No. 172,113; published Apr. 10, 1923.

Kokomo Automotive Mfg. Co., Kokomo, Ind. Rear-view mirrors for vehicles, vehicle windshield wings, etc. 170,689; July 17.

Kolbe Paint Company, The, Cincinnati, Ohio. Ready-mixed paints, house paints, paint enamels, varnishes, etc. 170,632; July 17; Serial No. 175,358; published Apr. 17, 1923.

Krank, A. J., Mfg. Co., St. Paul, Minn. Salve for burns, wounds, etc. 170,417; July 17; Serial No. 173,050; published Apr. 10, 1923.

Kurtz Brothers, Philadelphia, Pa. Macaroni and olive oil. 170,468; July 17; Serial No. 167,002; published Apr. 17, 1923.

Lau, H. P., Co., Lincoln, Nebr. Coffee, rice, and evaporated milk. 170,667; July 17; Serial No. 158,320; published Oct. 3, 1922.

Lawrence Soap Co., Methuen, Mass. Soaps. 170,652; July 17; Serial No. 169,366; published Apr. 24, 1923.

Leather Products & Finishing Co., Los Angeles, Calif. Ring books, leather coin pouches, leather key cases, and special leather letter covers. 170,560; July 17; Serial No. 173,902; published Apr. 17, 1923.

Lederer & Latz, doing business as The Barriemore Shop, New York, N. Y. Shoes made of leather. 170,387; July 17; Serial No. 170,655; published Apr. 3, 1923.

Lever Brothers Company, Cambridge, Mass. Soap and soap powder. 170,676; July 17; Serial No. 171,130; published Apr. 24, 1923.

Levussove, Louis, New York, N. Y. Human and animal hair. 170,670; July 17; Serial No. 162,751; published Oct. 10, 1922.

Liberty Storage Battery Company. (See Biehl, George M.)

Lilly, Dungan & Company, Baltimore, Md. Cigars, cigarettes, smoking tobacco. 170,693; July 17.

Lincoln Motor Company, Highland Park, Mich. Motor cars. 170,692; July 17.

Lowell Company, The, New York, N. Y. Toilet preparation for the removal of superfluous hair. 170,462; July 17; Serial No. 157,375; published Apr. 10, 1923.

Lowell Company, The, New York, N. Y. Toilet preparation to darken and grow eyelashes. 170,463; July 10; Serial No. 157,376; published Apr. 10, 1923.

Luburg, Charles E., doing business as "J-E" Storage Battery Company, Philadelphia, Pa. Electrolyte compound for storage batteries. 170,429; July 17; Serial No. 171,933; published Apr. 10, 1923.

Lurie Company, Inc., The, New York, N. Y. Monthly magazine. 170,671; July 17; Serial No. 167,471; published Apr. 24, 1923.

Lurye, Benjamin, doing business as B. Lurye & Co., Chicago, Ill. Hammers, hatchets, shovels, screw drivers, and chisels. 170,474; July 17; Serial No. 171,226; published Apr. 17, 1923.

McCarthy, John W., Jr. Inc., San Francisco, Calif. Canned fruits and vegetables. 170,567; July 17; Serial No. 163,341; published Apr. 17, 1923.

McGrory, Daniel T., doing business as Ceres Core Binder Company, Chicago, Ill. Processed cereal binder and a paste for forming core compounds used in the casting of metals. 170,420; July 17; Serial No. 172,952; published Apr. 10, 1923.

McKay Company, New York, N. Y. Compound for coloring electric bulbs. 170,372; July 17; Serial No. 174,090; published Apr. 10, 1923.

McMillan, A. G., doing business as Sales Equipment Company, Detroit, Mich. Combination index and sales-data book. 170,532; July 17; Serial No. 174,318; published Apr. 24, 1923.

Mailliard & Schmiedell, San Francisco, Calif. Canned fruits, vegetables, and fish. 170,447; July 17; Serial No. 172,232; published Apr. 10, 1923.

Mallinson, H. R., & Co. Inc., New York, N. Y. Silk piece goods. 170,502; July 17; Serial No. 173,139; published Apr. 24, 1923.

Mallinson, H. R., & Co. Inc., New York, N. Y. Silk piece goods. 170,527; July 17; Serial No. 174,020; published Apr. 17, 1923.

Manhattan Photo Supply Co., Inc., New York, N. Y. Golf balls. 170,685; July 17.

Markt & Hammacher Company, New York, N. Y. Carpenters' tools, agricultural implements. 170,476; July 17; Serial No. 172,233; published Apr. 17, 1923.

Marvello Lace Company, New York, N. Y. Lace edgings in the piece. 170,661; July 17; Serial No. 168,220; published Apr. 24, 1923.

Mason, Judson T., doing business as Tol-O-Nite Remedy Co., Washington, D. C. Compound for treating influenza, grippe, etc. 170,607; July 17; Serial No. 174,317; published Apr. 24, 1923.

Mauser Mill Company, Laurys Station, Pa. Wheat flour. 170,664; July 17; Serial No. 143,771; published Feb. 13, 1923.

Melanson Shoe Company, Lynn, Mass. Leather shoes. 170,625; July 17; Serial No. 175,259; published Apr. 17, 1923.

Melville Shoe Corporation, New York, N. Y. Shoes. 170,435; July 17; Serial No. 171,704; published Apr. 10, 1923.

Metz, H. A., & Co., Inc., New York, N. Y. Dyes and dyestuffs. 170,413; July 17; Serial No. 173,238; published Apr. 10, 1923.

Mid-Continent Tire Manufacturing Company, Wichita, Kans. Rubber tires and inner tubes. 170,600; July 17; Serial No. 118,049; published Apr. 24, 1923.

Miller Rubber Company, The, Akron, Ohio. Solid and pneumatic rubber and fabric tires. 170,629; July 17; Serial No. 174,791; published Apr. 24, 1923.

Mitchell, Robert G., doing business as The Agripa Company, New York, N. Y. Portable metallic holders for beverage containers. 170,464; July 17; Serial No. 161,733; published Apr. 17, 1923.

Modern Pharmacal Co., Inc., New York, N. Y. Woman's tonic in the treatment of the weaknesses and disorders of the generative organs. 170,452; July 17; Serial No. 172,282; published Apr. 10, 1923.

Modern Pharmacal Co., Inc., New York, N. Y. Blood maker and general tonic. 170,453; July 17; Serial No. 172,283; published Apr. 10, 1923.

Monroe, John W., Lima, Ohio. Wood rolling partitions in buildings, for doors, wardrobes, etc. 170,574; July 17; Serial No. 166,705; published Apr. 17, 1923.

Morgan, Emma A., doing business as R. B. B. Company, North Charlotte, N. C. Preparation for the treatment of pneumonia. 170,398; July 17; Serial No. 171,507; published Apr. 10, 1923.

Morrill, Joseph H., Portsmouth, N. H. Automobile top dressing. 170,550; July 17; Serial No. 173,360; published Apr. 24, 1923.

Morse, A. G., Company, Chicago, Ill. Candy. 170,551; July 17; Serial No. 173,438; published Apr. 24, 1923.

Mountain State Glass Co., Mannington, W. Va. Window glass. 170,616; July 17; Serial No. 177,139; published Apr. 17, 1923.

Munning, A. P., & Co., Matawan, N. J. Buffing rouge and materials of similar character. 170,533–6; July 17; Serial Nos. 174,321–4; published Apr. 24, 1923.

Munning, A. P., & Co., Matawan, N. J. Buffing rouge used in the buffing and polishing trade to produce a bright luster on gold, silver, etc. 170,604–5; July 17; Serial Nos. 174,792–3; published Apr. 24, 1923.

Naylor, Roger W., Chicago, Ill. Sanitary napkins. No. 170,526; July 17; Serial No. 174,629; published Apr. 10, 1923.

Neuhoff, Fred B., doing business as Fred B. Neuhoff Company, Los Angeles, Calif. Canned fruits and vegetables. 170,438; July 17; Serial No. 171,860; published Apr. 10, 1923.

Neuhoff, Fred B., doing business as Fred B. Neuhoff Company, Los Angeles, Calif. Canned fruits and vegetables. 170,554; July 17; Serial No. 173,657; published Apr. 24, 1923.

New England Confectionery Company, Boston, Mass. Candy. 170,589; July 17; Serial No. 154,839; published Apr. 17, 1923.

New England Confectionery Company, Boston, Mass. Candy. 170,591; July 17; Serial No. 154,820; published Apr. 17, 1923.

No-Worry Chemical Co. (See Cicetti, Federico.)

Non-Crush Fruit Guard Company. (See Satake, Shuzo.)

Northman Publishing Company, The, Portland, Oreg. Monthly magazine. 170,675; July 17; Serial No. 171,380; published Apr. 24, 1923.

Nutting, Walter M., doing business as Nutting Truck Company, Faribault, Minn. Floor trucks. 170,547; July 17; Serial No. 173,240; published Apr. 17, 1923.

O'Rear, Robert E., doing business as John D. Bear Company, Clearbrook, Va. Emulsion of petroleum combined with hypophosphites. 170,426; July 17; Serial No. 172,051; published Apr. 10, 1923.

Ostra Corporation, The, New York, N. Y. Sprayers for medicinal use. 170,509; July 17; Serial No. 172,954; published Apr. 17, 1923.

Pacific Coast Biscuit Company, Seattle, Wash. Candies. 170,443; July 17; Serial No. 172,119; published Apr. 10, 1923.

Page Steel & Wire Company, Adrian, Mich., and Bridgeport, Conn. Base-metal wire. 170,465; July 17; Serial No. 162,646; published Apr. 17, 1923.

Parker Brothers, Portland, Me., and Salem, Mass. Parlor game played with cards. 170,375; July 17; Serial No. 174,330; published Apr. 10, 1923.

Parker Brothers, Portland, Me., and Salem, Mass. Board game played with movable pieces. 170,419; July 17; Serial No. 172,955; published Apr. 10, 1923.

Pateychuk, Wolter V., doing business as W. V. Patty, Altoona, Pa. Medicine for sore throat, influenza, etc. 170,414; July 17; Serial No. 173,206; published Apr. 10, 1923.

Patty, W. V. (See Pateychuk, Wolter V.)

Perkins, Charles B., Co., Boston, Mass. Smoking tobacco. 170,367; July 17; Serial No. 173,980; published Apr. 10, 1923.

Petroleum Products Co., San Francisco, Calif. Lubricating oils and greases, gasoline, motor spirit, etc. 170,561; July 17; Serial No. 173,904; published Apr. 17, 1923.

Pfund Nursery Co., Oak Park, Ill. Nursery products. 170,528; July 17; Serial No. 174,028; published Apr. 24, 1923.

Pfyffer, Siegfried, Zurich, Switzerland. Metallic soldering alloys. 170,416; July 17; Serial No. 173,053; published Apr. 17, 1923.

Philippe, Louis, New York, N. Y. Massage for the face and body. 170,385; July 17; Serial No. 170,542; published Apr. 10, 1923.

Pike Manufacturing Company, Pike and Littleton, N. H.; Evansville, Vt.; New York, N. Y.; Orleans, Ind.; and Hot Springs, Ark. Oilstones, scythestones, whetstones, axstones, etc. 170,680; July 17; Serial No. 173,783; published Apr. 24, 1923.

Polak's Frutal Works, Amersfoort, Netherlands. Natural and synthetic essential oils and materials suitable for the production of perfumes. 170,450; July 17; Serial No. 172,240; published Apr. 10, 1923.

Potter-Wrightington, Inc., Charlestown, Boston, Mass. Bread wrappers. 170,466; July 17; Serial No. 164,187; published Apr. 10, 1923.

Primalt Products Co., Chicago, Ill. Malt sirup. 170,577; July 17; Serial No. 167,420; published Apr. 24, 1923.

Process Chemicals Incorporated, New York, N. Y. Insecticide and mothproofing composition. 170,656; July 17; Serial No. 168,489; published Apr. 17, 1923.

Producers Canning & Packing Co., The, Salem, Oreg. Canned fruits and berries. 170,384; July 17; Serial No. 171,550; published Apr. 10, 1923.

Products Mfg. & Sales Co., Milwaukee, Wis. Compound having the appearance of putty and used to retain molten metal while pouring bearings. 170,672; July 17; Serial No. 167,686; published Apr. 24, 1923.

Public Ledger Company, Philadelphia, Pa. Title for cartoons. 170,682; July 17; Serial No. 172,900; published Apr. 24, 1923.

R. B. B. Company. (See Morgan, Emma A.)

Radio Ball Company, Lebanon, Pa. Inflated toy rubber balls. 170,492; July 17; Serial No. 171,815; published Feb. 6, 1923.

Radio Publishing Corporation, New York, N. Y. Monthly magazine. 170,679; July 17; Serial No. 168,729; published Apr. 24, 1923.

Raymond Bag Company, The, Middletown, Ohio. Paper receptacles. 170,482; July 17; Serial No. 172,687; published Apr. 17, 1923.

Reeder, Oliver, & Son, Inc., Proprietors of the Baltimore Copper Paint Company, Baltimore, Md. Paints and varnishes. 170,510; July 17; Serial No. 173,006; published Apr. 17, 1923.

Reese, Bert, Philadelphia, Pa. Cartoons and illustrations used for advertising purposes. 170,681; July 17; Serial No. 173,209; published Apr. 24, 1923.

Reliable Importing Company, Inc., New York, N. Y. Salad vegetable oil. 170,446; July 17; Serial No. 172,174; published Apr. 10, 1923.

Retailers' Manufacturing Corporation, Wilmington, Del.; Chicago, Ill.; and Tulsa, Okla. Prophylactics for the prevention of sexual diseases. 170,427; July 17; Serial No. 172,014; published Apr. 10, 1923.

Richardson Dry Goods Co., St. Joseph, Mo. Cotton, silk and cotton, linen and cotton, and wool and cotton piece goods. 170,456; July 17; Serial No. 172,351; published Apr. 10, 1923.

Robertson, Walter, & Son, Ltd., Brentford Bridge, Middlesex, England. Table jellies, caramel toffees and other boiled-sugar goods. 170,582; July 17; Serial No. 167,690; published Apr. 24, 1923.

Robinson-Roders Co., Inc., The, Newark, N. J. Mattresses, pillows, bolsters, cushions. 170,597; July 17; Serial No. 136,604; published Apr. 24, 1923.

Rockford Wholesale Grocery Co., Rockford, Ill. Coffee. 170,647; July 17; Serial No. 169,563; published Apr. 17, 1923.

Rosebrand Co., Atlantic City, N. J. Nasal solution, douche therefor, and package containing both. 170,418; July 17; Serial No. 173,008; published Apr. 10, 1923.

Rosenberger, William A., doing business as William A. Rosenberger Chemical Products Company, New York, N. Y. Compound for the desulphurization and dioxidation of molten metals preparatory to the pouring of the same into molds for casting. 170,424; July 17; Serial No. 172,059; published Apr. 10, 1923.

Safepack Mills, Boston, Mass. Material for wrapping, packing and lining merchandise, etc. 170,598; July 17; Serial No. 115,189; published Sept. 16, 1919.

Sales Equipment Company. (See McMillian, A. G.)

Sally Mint Company, New York, N. Y. Candy and peppermint lozenges. 170,658; July 17; Serial No. 169,185; published Apr. 24, 1923.

Samstag & Hilder Bros., New York, N. Y. Lingerie tape, pins, etc. 170,494; July 17; Serial No. 172,060; published Apr. 24, 1923.

San Francisco Breweries, Ltd., The, San Francisco, Calif. Canned preserved fruits, jams, jellies, and fruit sirups. 170,576; July 17; Serial No. 167,368; published Apr. 24, 1923.

Sand Springs Bottling Co., Tulsa, Okla. Beverages sold as soft drinks and sirups for making the same. 170,376; July 17; Serial No. 174,339; published Apr. 10, 1923.

Satake, Shuzo, doing business as Non-Crush Fruit Guard Company, Sacramento, Calif. Cardboard to be placed in fruit boxes to prevent crushing of the fruit. 170,659; July 17; Serial No. 169,328; published Apr. 17, 1923.

Savoy Importing Co. Inc., New York, N. Y. Tunny fish, tomatoes, tomato sauce and paste, string beans, etc. 170,569; July 17; Serial No. 163,711; published Apr. 24, 1923.

Scientific Farming Machinery Company, Minneapolis, Minn. Tillers comprising a plow and soil disintegrator. 170,437; July 17; Serial No. 171,660; published Mar. 13, 1923.

Scott, Harry L., Baltimore, Md. Ice-cream cones made of milk chocolate. 170,649; July 17; Serial No. 170,043; published Apr. 24, 1923.

Sehon, Stevenson & Company, Huntington, W. Va. Coffee. 170,383; July 17; Serial No. 171,595; published Apr. 10, 1923.

Seitz, Walton C., Milwaukee, Wis. Hand shields. 170,683; July 17.

Sheratone Products Corporation, New York, N. Y. Finishing and polishing materials in the nature of a varnish. 170,555; July 17; Serial No. 173,678; published Apr. 17, 1923.

Sherwin-Williams Company, The, Cleveland, Ohio. Paints, paint enamels, japans, varnishes, etc. 170,537; July 17; Serial No. 174,413; published Apr. 17, 1923.

Shoninger, Sol H., doing business as The Solvos Company, Chicago, Ill. Baby pants or diaper covers. 170,568; July 17; Serial No. 163,709; published Oct. 24, 1922.

Simson & Frey, Inc., New York, N. Y. Strings for violins and similar musical instruments. 170,458; July 17; Serial No. 172,561; published Apr. 3, 1923.

Smith, Thomas S., Chicago, Ill. Fresh deciduous fruits and vegetables. 170,520; July 17; Serial No. 174,038; published Apr. 24, 1923.

Solvos Company, The. (See Shoninger, Sol H.)

Sonnenschein, J., Hop Company, Inc., New York, N. Y. Hops. 170,545; July 17; Serial No. 173,149; published Apr. 24, 1923.

Sotham, Thomas F. B., St. Clair, Mich. Mincemeat. 170,444; July 17; Serial No. 172,126; published Apr. 10, 1923.

Southern Spring Bed Company, Atlanta, Ga. Spring beds, mattresses, cots, and metal bedsteads. 170,559; July 17; Serial No. 173,859; published Apr. 24, 1923.

Spencer, George, Moulton & Co. Ltd., Westminster, London, England. Rubber tires and inner tubes. 170,593; July 17; Serial No. 151,299; published Apr. 24, 1923.

Sprague, Eugene A., doing business as Sprague Manufacturing Co., San Francisco, Calif. Soap compounds. 170,524; July 17; Serial No. 174,641; published Apr. 24, 1923.

Squire and Co., Birmingham Limited, Stirchley, Birmingham, England. Cough mixture for human use. 170,513; July 17; Serial No. 172,776; published Apr. 17, 1923.

St. Louis Surfacer & Paint Company, St. Louis, Mo. Dry, paste, and ready-mixed paints and varnishes. 170,514; July 17; Serial No. 172,777; published Apr. 17, 1923.

St. Regis Paper Co., Watertown, N. Y. Fiber shipping cases. 170,640; July 17; Serial No. 175,445; published Apr. 17, 1923.

Standard Motor Parts Company, Chicago, Ill. Lining for automobile transmissions. 170,631; July 17; Serial No. 175,413; published Apr. 24, 1923.

Standard Oil Company, Whiting, Ind., and Chicago, Ill. Gasoline. 170,461; July 17; Serial No. 172,691; published Apr. 3, 1923.

Standard Paper Manufacturing Co., Richmond, Va. Blotting paper. 170,523; July 17; Serial No. 174,704; published Apr. 17, 1923.

Standard Paper Manufacturing Co., Richmond, Va. Blotting paper. 170,525; July 17; Serial No. 174,703; published Apr. 17, 1923.

Standard Ultramarine Co., The, Huntington, W. Va. Ultramarine blue. 170,390; July 17; Ser. 170,905; published Apr. 10, 1923.

Stanley Glidden Co., Inc., Boston, Mass. Tires, tubes, patches, hose, etc. 170,687; July 17.

Sullivan, Marguerite, doing business as Domino House, Philadelphia, Pa. Facial and toilet preparations—namely, toilet powder. 170,570; July 17; Serial No. 164,677; published Oct. 10, 1922.

Swint, Davis & Davis, Atlanta, Ga. Cigars. 170,457; July 17; Serial No. 172,362; published Apr. 10, 1923.

Taft, Royal C., doing business as R. C. Taft Company, Chicago, Ill. Ribbon novelties or trims as may be used upon powder puffs, camisole straps, lingerie sets, etc. 170,646; July 17; Serial No. 170,164; published Apr. 24, 1923.

Taintor Company, The, New York, N. Y. Whiting. 170,626; July 17; Serial No. 175,171; published Apr. 17, 1923.

Templeton, James, & Son, Ltd., Ayr, Scotland. Knitting wool. 170,628; July 17; Serial No. 174,870; published Apr. 17, 1923.

Teuscher & Son Machinery Supply Co., St. Louis, Mo. Automobile fan belts. 170,688; July 17.

Thomas-Body Co., Oakland, Calif. Canned fruits. 170,558; July 17; Serial No. 173,792; published Apr. 24, 1923.

Toledo Scale Company, Jersey City, N. J., and Toledo, Ohio. Page in a publication. 170,373; July 17; Serial No. 174,115; published Apr. 17, 1923.

Toledo Steel Products Co., The, Toledo, Ohio. Poppet valves. 170,471; July 17; Serial No. 168,991; published Apr. 17, 1923.

Tourists Pride Mfg. Co. (See Fuchs, Joseph J.)

Tubbs Cordage Company, San Francisco, Calif. Sisal rope. 170,595; July 17; Serial No. 143,108; published June 21, 1921.

Tubbs Cordage Company, San Francisco, Calif. Rope. 170,596; July 17; Serial No. 143,106; published June 21, 1921.

Tubbs Cordage Company, San Francisco, Calif. Manila rope. 170,686; July 17, 1923.

Tubular Woven Fabric Company, Pawtucket, R. I. Protective covering for electrical wires. 170,391; July 17; Serial No. 170,913; published Apr. 3, 1923.

United Oil & Natural Gas Products Corporation, The, Monroe, La. Hydrocarbon black used as a base in the manufacture of paints, varnish, etc. 170,445; July 17; Serial No. 172,133; published Apr. 10, 1923.

United States Pencil Co., Philadelphia, Pa. Lead and paper crayon pencils. 170,467; July 17; Serial No. 166,384; published Apr. 10, 1923.

United States Products Corporation, San Jose, Calif. Canned fruits, vegetables, and fish. 170,655; July 17; Serial No. 168,391; published Apr. 17, 1923.

Virden Packing Company, San Francisco, Calif. Canned fruits. 170,423; July 17; Serial No. 172,068; published Apr. 10, 1923.

Virginia Blue Gem Coal Corporation, Pennington Gap and North Fork, Va. Steam and domestic coal. 170,637; July 17; Serial No. 175,691; published Apr. 24, 1923.

Wadhams Oil Company, Milwaukee, Wis. Lubricating oils. 170,684; July 17.

Walker Webbing Co., Providence, R. I. Shoe, etc., lacings, galloons, braids, webbings, beltings, tapes, and hairpins. 170,587; July 17; Serial No. 156,125; published Apr. 24, 1923.

Wall, King H., Goldsboro, N. C. Bluing compound and a liquid bluing. 170,422; July 17; Serial No. 172,697; published Apr. 10, 1923.

Wanamaker, John, New York, New York, N. Y. Men's leather gloves. 170,438–9; July 17; Serial Nos. 171,601–2; published Apr. 10, 1923.

Washington Dehydrated Food Co., Yakima, Wash. Dehydrated apples. 170,508; July 17; Serial No. 172,919; published Apr. 17, 1923.

Weber Milk Company, Indianapolis, Ind. Malted chocolate milk drink. 170,573; July 17; Serial No. 165,320; published Apr. 17, 1923.

Weiner Brothers, Inc., New York, N. Y. Cotton piece goods. 170,541; July 17; Serial No. 174,550; published Apr. 17, 1923.

Welch & Marker, Ionia, Mich. Vermifuge to be used in the treatment of live stock. 170,425; July 17; Serial No. 172,022; published Apr. 10, 1923.

Westfield Manufacturing Company, Westfield, Mass. Baby carriages. 170,501; July 17; Serial No. 171,051; published Apr. 17, 1923.

Wetherill, Samuel P., jr., Philadelphia, Pa. Gas-generating means. 170,498; July 17; Serial No. 170,848; published Apr. 17, 1923.

White House Products Co., Chicago, Ill. Compound for opening clogged pipes, traps, drains, etc. 170,451; July 17; Serial No. 172,305; published Apr. 10, 1923.

White, Joseph J., Inc., New Lisbon, N. J. Blueberry plants. 170,674; July 17; Serial No. 172,458; published Apr. 2, 1923.

White & Wyckoff Manufacturing Company, Holyoke, Mass. Papeteries, writing and typewriting tablets, writing paper, etc. 170,503; July 17; Serial No. 173,122; published Apr. 17, 1923.

White & Wyckoff Manufacturing Company, Holyoke, Mass. Papeteries, writing and typewriting tablets, writing paper, etc. 170,504; July 17; Serial No. 173,116; published Apr. 17, 1923.

White & Wyckoff Manufacturing Company, Holyoke, Mass. Papeteries, writing and typewriting tablets, writing paper, etc. 170,505–6; July 17; Serial Nos. 173,120–1; published Apr. 17, 1923.

White & Wyckoff Manufacturing Company, Holyoke, Mass. Papeteries, writing and typewriting tablets, writing paper, etc. 170,512; July 17; Serial No. 173,114; published Apr. 17, 1923.

White & Wyckoff Manufacturing Company, Holyoke, Mass. Papeteries, writing and typewriting tablets, writing paper, etc. 170,635; July 17; Serial No. 175,827; published Apr. 17, 1923.

Whitehouse & Hardy, Inc., New York, N. Y. Dress and sport shoes. 170,428; July 17; Serial No. 171,972; published Apr. 10, 1923.

Whitlock Cordage Co., Jersey City, N. J., and New York, N. Y. Rope. 170,548; July 17; Serial No. 173,265; published Mar. 20, 1923.

Wichita Fender Brace Company, The, Wichita Falls, Tex. Fender braces. 170,694; July 17.

Wilensky, S., London, England. Needles or styli for phonographs. 170,530; July 17; Serial No. 174,225; published Feb. 20, 1923.

Wolf Creek Soap Works Company, The, near Dayton, Montgomery County, Ohio. Soaps. 170,666; July 17; Serial No. 157,744; published Apr. 24, 1923.

Wood, T. W., & Sons, Richmond, Va. Section of a catalogue published monthly. 170,606; July 17; Serial No. 174,682; published Apr. 24, 1923.

Zinsmaster Baking Company, St. Paul, Minn. Bread. 170,542; July 17; Serial No. 136,822; published May 24, 1921.

ALPHABETICAL LIST OF REGISTRANTS OF LABELS.

B. & B. Chemical Company, San Antonio, Tex. Chilipitine Syrup. For a Compound for Coughs and Colds. 26,220; July 17.

Bio-Medical Laboratories, Brooklyn, N. Y. Hemoglotone. For a Tonic. 26,221; July 17.

Dietrich, J., & Company, San Antonio, Tex. White Circle. The Soap That Cleans So Clean. For Soap. 26,222; July 17.

Durkee-Mower & Co., Swampscott, Mass. "Toot Sweet" Marshmallow Fluff. For Marshmallow Fluff. 26,223; July 17.

Faultless Rubber Company, The, Ashland, Ohio. Play Balls. For Sponge-Rubber Balls. 26,224; July 17.

Franklin Baker Co., The, Philadelphia, Pa. Southern Style Moist Sweetened Coconut. For Prepared Cocoanut. 26,225; July 17.

Goodridge, William H., doing business as Monroe Laboratory Company, Lynn, Mass. Asma Relef. For Asthma, Hay Fever, Bronchial and Catarrhal Medicine. 26,226; July 17.

Haas, Baruch & Co., Los Angeles, Calif. Neptune. For Table Salt. 26,227; July 17.

Hardy Newman & Co., also doing business as Parfait Powder Puff Co., Chicago, Ill. Parfait. For Powder Puffs. 26,228; July 17.

Heller, B., & Company, Chicago, Ill. Heller's Fancy-Pastry Dessert Powder. For Preparation for Use in Making Desserts. 26,229; July 17.

Heller, B., & Company, Chicago, Ill. Meloine. For Preparation for Use in Improving Ice Cream and in Conditioning the Ice-Cream Mix. 26,230; July 17.

Imperial Perfumery and Barber's Supplies, Inc., New York, N. Y. Imperial Bay Rum. For Bay Rum. 26,231; July 17.

Inderrieden Canning Co., Chicago, Ill. Peter-Pan. For Peas. 26,232; July 17.

Inderrieden Canning Co., Chicago, Ill. Peter-Pan. For Corn. 26,233; July 17.

Isser Reznik's Sons, New York, N. Y. Royal Muslin. For Muslin. 26,234; July 17.

King's Specialty Company. (See Williams, John A., D. D. S.)

Kirk, James S., & Company, Chicago, Ill. Kirk's Original Olive Cocoa Castile. For Soap. 26,235; July 17.

Lawton, Thomas, New York, N. Y. Dr. Lawton's Automatic Waistline Reducer. For Surgical Appliances. 26,236; July 17.

Lichtenberger, Harry J., Washington, D. C. Scout Notes. For Blank Notebooks and Memorandum Pads. 26,237; July 17.

Lucido Brothers Grocery Company, also doing business as Lucido Bros. Grocer Co., Granite City, Ill. Lucido's Quality. For Peas. 26,238; July 17.

Mangus, S. W., & Co., New York, N. Y. Name. For Handkerchiefs. 26,239; July 17.

Mendenhall, A. W., & Company, Kansas City, Mo. Aeroplane. For Sweeping Compound. 26,240; July 17.

Monroe Laboratory Company. (See Goodridge, William H.)

National Carbon Company, Inc., New York, N. Y. Eveready Radio "B" Battery. For Electric Batteries. 26,241; July 17.

New Amsterdam Bulb Co. Inc., New York, N. Y. Narcissus Paper White. For a Box of Narcissus Bulbs. 26,242; July 17.

Northwest Fruit Products Company, Salem, Oreg. Salem. For Pears. 26,243; July 17.

Oakland Gum Company, Oakland, Calif. Tropical Fruit. For Gum. 26,244; July 17.

Parfait Powder Puff Co. (See Hardy Newman & Co.)

Seaside Oil Company, Summerland, Calif. Seaside. For Gasoline. 26,245; July 17.

Siegel, F. L., & Son, West Hoboken, N. J. Stormshield Liquid, The Roof that's Waterproof. For Protective Coatings for Roofs and the Like. 26,246; July 17.

South Chicago Wholesale Grocery and Produce Company, Inc., Chicago, Ill. State Line. For Early June Peas. 26,247; July 17.

Williams, John A., D. D. S., doing business as King's Specialty Company, Fort Wayne, Ind. Kiddies Filling. For Dental Filling Material. 26,248; July 17.

ALPHABETICAL LIST OF REGISTRANTS OF PRINTS.

Bonded Tailoring Co. Inc., The, Cleveland, Ohio. Double-in Twist Cloth. For Clothing. 6,819; July 17.

Cardinet Candy Company, Oakland, Calif. Take one Home—Slice it! For Baffle Bar Candy. 6,820; July 17.

Eaton, Crane & Pike Company, Pittsfield, Mass. Could this be you in these holeplessly old style clothes. For Papeteries. 6,821; July 17.

Lowney, Walter M., Company, Boston, Mass. Lowney's Chocolates. For Chocolate Products, Including Particularly Lowney's Chocolates. 6,822; July 17.

Mayhew, James N., Co., Inc., Minneapolis, Minn. Fit-Rite. For Shoe and Slipper Trees. 6,823; July 17.

Neal, David, Canton, Ohio. N. For Batteries and Electrical Apparatus. 6,824; July 17.

Norwich Pharmacal Company, The, Norwich, N. Y. Sunburn Hurts! Unguentine Heals! For Unguentine. 6,825; July 17.

Olsen & Ebaun, Chicago, Ill. The Aristocrats of Credit Jewelers. For Jewelry and Silverware. 6,826; July 17.

Palmolive Company, The, Milwaukee, Wis. Beauty That Lures. For Palmolive Soap. 6,827; July 17.

Trail Moc Shoe Company, Saco, Me. Flexible Bend like birch boughs. For Shoes. 6,828; July 17.

ALPHABETICAL LIST OF TRADE-MARK APPLICANTS.

PUBLISHED FOR OPPOSITION.

[Act of Feb. 20, 1905, Sec. 6, as amended Mar. 2, 1907.]

Abbott, Frederick J., doing business as Crystal Petroleum Products Corporation, Los Angeles, Calif. Motor fuels. 180,406–8; July 17.

Adams, Alfred B., New York, N. Y. Biotherapeutic and opotherapeutic products. 176,008; July 17.

Aeroil Burner Company, Inc., Union Hill, N. J. Oil-burning appliances. 169,840; July 17.

African & Eastern Trading Co., Inc., New York, N. Y. Cotton piece goods. 175,230; July 17.

PUBLISHED FOR OPPOSITION.

[Act of Feb. 20, 1905, Sec. 6, as amended Mar. 2, 1907.]

Aktiengesellschaft für Chemische Produkte, vormals H. Scheidemandel, Berlin, Germany. Pharmaceutical preparations for promoting the growth of human hair. 171,566; July 17.

Alderman, Fairchild Co., Rochester, N. Y. Game. 178,423; July 17.

Alderman, Fairchild Company, Rochester, N. Y. Game. 181,050; July 17.

Allandale Knitting Mills, Inc., New York, N. Y. Knitted outer garments. 176,244; July 17.

Altoona Packing Company, Astoria, Oreg. Canned fish. 178,542; July 17.

American Arch Company, New York, N. Y. Fire and other brick. 158,967; July 17.

American Asphalt Paint Co., Chicago, Ill. Ready-mixed paint. 178,017; July 17.

American Lady Corset Company, Detroit, Mich. Corsets, corset waists, brassières, hose supporters, etc. 179,916; July 17.

Amory, Browne & Co., Boston, Mass. Textile cotton fabrics. 181,103; July 17.

Armour and Company, Chicago, Ill. Medicinal preparation used in the treatment of diabetes. 178,702; July 17.

Atlantic Mills, Stottville, N. Y. Woolen piece goods. 177,946; July 17.

Atlantic Mills, Stottville, N. Y. Cotton and woolen piece goods and piece goods of mixed cotton and wool. 177,947; July 17.

Atlas Specialty Manufacturing Company, Chicago, Ill. Fabric covers for automobile accessories. 174,057; July 17.

Banner Silk Knitting Mills, Inc., The, New York, N. Y. Knitted silk fabrics. 180,781; July 17.

Banner Silk Knitting Mills, Inc., The, New York, N. Y. Knitted silk fabrics. 180,783–4; July 17.

Barrett Company, The, New York, N. Y. Ready felt roofing. 168,508; July 17.

Barron-Gray Packing Co., San Jose, Calif. Canned fruit and vegetables and dried fruit. 177,818; July 17.

Beardsley, Robert, doing business as Beardsley Studios, Chicago, Ill. Lamp shades of fibrous material. 174,997; July 17.

Becker Paper Corporation, New York, N. Y. Writing and bond paper. 178,208; July 17.

Beerli, Joseph F., Cleveland, Ohio. Physiological nutritive salts. 177,894; July 17.

Bethlehem Fabricators, Inc., Bethlehem, Pa. Structural members. 167,795; July 17.

Beverage Extract Company, Chicago, Ill. Beverage sold as soft drink and a compound for making same. 179,513; July 17.

Bevis Rock Salt Co., Kansas City, Mo., and Lyons, Kans. Salt. 176,109–11; July 17.

Blue Bird Remedy Co., The, Minneapolis, Minn. Medicinal preparation used in the treatment of asthma, hay fever, and eczema. 178,022; July 17.

Bornn, Frank, doing business as Bornn Distilling Company, New York, N. Y. Preparation for bathing and massaging. 174,425; July 17.

Botany Worsted Mills, Passaic, N. J. Worsted yarn fabric known as "reps." 179,987–8; July 17.

Brine, James W., Company, Boston, Mass. Hip and kidney pads, elastic bandages, etc. 172,578; July 17.

Brown & Bigelow, St. Paul, Minn. Signs made of metal and celluloid. 160,745; July 17.

Brown, C. D., & Co., Inc., Rochester, N. Y. Finished upper leather calfskins. 178,160–1; July 17.

Brown, George G., New York, N. Y. Carburetors. 179,774; July 17.

Brown, Geo. K., Co., Inc., Chattanooga, Tenn. Ice cream. 164,576; July 17.

Brown, Jervis D., Los Angeles, Calif. Ointment for treatment of nervous itching and as a general healing ointment. 174,765; July 17.

Brunswick-Balke-Collender Company, The, Wilmington, Del., and Chicago, Ill. Rubber and fabric tires. 177,951; July 17.

Buell, George C., & Co., Inc., Rochester, N. Y. Coffee. 178,819; July 17.

Burns, Jabez, & Sons, New York, N. Y. Roasters and parts and supplies for same. 180,325; July 17.

Butler, J. W., Paper Co., The, Chicago, Ill. Papers, bristol board, cardboard. 179,926. July 17.

Butts, J. F., Co., San Francisco, Calif. Canned fruits and vegetables. 178,551. July 17.

C. G. Spring Company, The, Kalamazoo, Mich. Bumpers. 179,705–7; July 17.

C. W. P. Company. (See Price, Charles W.)

Cabot, Godfrey L., Inc., Boston, Mass. Carbon black. 176,065; July 17.

Canvas Products Company, St. Louis, Mo. Tents, tarpaulins, wagon covers, etc. 174,065; July 17.

Canvas Products Company, St. Louis, Mo. Tents, tarpaulins, wagon covers, etc. 174,068; July 17.

Cheney Brothers, South Manchester, Conn. Woven, knitted, netted, textile, and pile fabrics of silk. 181,061; July 17.

Chesapeake Weaving Mills, Inc., Havre de Grace, Md., and Philadelphia, Pa. Bathing capes. 177,121; July 17.

Cluett, Peabody & Company, Inc., Troy, N. Y. Collars. 176,451; July 17.

Cohn Hall Marx Co., New York, N. Y. Cotton piece goods. 180,963; July 17.

Continental Fibre Company, The, Newark, Del. Composite material. 174,236; July 17.

Corticelli Silk Company, Florence, Northampton, Mass. Silk fabrics. 180,590; July 17.

Crystal Petroleum Products Corporation. (See Abbott, Frederick J.)

Delta Export Lumber Corporation, Memphis, Tenn. Logs. 178,497; July 17.

Deutsche Gold und Silber Scheideanstalt, vormals Roessler, Frankfort-on-the-Main, Germany. Chemical preparations used against plant pests and seed afflictions. 167,842; July 17.

Dillon, Charles G., New York, N. Y. Beverage sold as a soft drink and sirups for making the same. 179,590; July 17.

Dougherty, W. F., & Sons, Incorporated, Philadelphia, Pa. Coal and gas combination ranges and broilers and warming closets. 177,774; July 17.

Drabek, Charles, doing business as Painters Supply Co., Cleveland, Ohio. Paints, varnishes, paint enamels. 165,858; July 17.

Duplan Silk Corporation, New York, N. Y. Silk piece goods. 181,255–60; July 17.

Dyestuffs & Chemicals, Incorporated, St. Louis, Mo. Coloring matter for butter. 176,790; July 17.

Edral Company, Cincinnati, Ohio. Chemicals consisting of a tooth paste, mouth wash, etc. 178,238; July 17.

Edwards, Frank M., Milwaukee, Wis. Trees, plants, shrubs, and bushes. 178,831; July 17.

Einstein, J., Inc., New York, N. Y. Cotton, duck, and canvas piece goods. 180,793; July 17.

Ellis Resilient Wheel Corporation, Seattle, Wash. Wheels of automobiles and industrial cars. 178,239; July 17.

Empire Silk Company, Wilmington, Del., and New York, N. Y. Silk piece goods. 181,178; July 17.

Everett Knitting Works, Lebanon, N. H. Infants' knitted underwear, wrappers, and bands. 177,903; July 17.

Everett Knitting Works, Lebanon, N. H. Misses' and children's knitted underwear and sleeping suits. 177,904; July 17.

Excelsior Motor Mfg. and Supply Co., Chicago, Ill. Motorcycles and bicycles. 167,718; July 17.

Fantea Company, The, Brooklyn, N. Y. Tea. 178,335; July 17.

Farnsworth Mills Inc., The, Central Village, Conn. Woolen piece goods. 180,969; July 17.

Feinberg, David, Company, doing business as Snappee Co., Chelsea, Mass. Spring covers and grease boots. 177,286; July 17.

Fessenden Shirt Co., Inc., The, Kingston, N. Y. Men's dress and negligee shirts. 171,491; July 17.

Flanders, A. H., Company, Chicago, Ill. Women's wearing apparel. 172,269; July 17.

Florabelle Dressmakers, Inc., New York, N. Y. Outer skirts. 171,310; July 17.

Flynn, Anna D., Beach Bluff, Mass. Candy. 178,601–2; July 17.

Ford Motor Company, Highland Park, Mich. Motor cars. 170,014; July 17.

Forquer, Bernard B., doing business as Movie Stars Laboratories, Joliet, Ill. Facial cream and rouge, toilet water, shampoo preparation, etc. 159,862; July 17.

Fort Howard Paper Company, Green Bay, Wis. Toilet paper, paper napkins, towels, and tablecloths. 180,971–2; July 17.

Fox River Paper Company, Appleton, Wis. Writing paper. 180,975; July 17.

Frolaset Corset Co., Detroit, Mich. Brassières, bandeaux, girdles, etc. 173,823; July 17.

Gazzoni, A., & C., 11 Gerente, Bologna, Italy. Radioactive reconstituent. 173,385; July 17.

Gloria Light Co., Chicago, Ill. Kerosene-gas-making appliances. 171,123; July 17.

Goerz Flour Mills Co., Newton, Kans. Wheat flour. 152,796; July 17.

Goethel, Alfred C., The, Milwaukee, Wis. Sheet-metal sectional rowboats. 176,617; July 17.

Gol-Mar. (See Gold, Jacob N.)

Gold, Jacob N., doing business as Gol-Mar, Philadelphia, Pa. Automobile accessories. 164,431; July 17.

Golding Fabrics Corporation, New York, N. Y. Fabrics made of silk. 180,859; July 17.

Golding Fabrics Corporation, New York, N. Y. Fabrics made of silk. 181,181; July 17.

Golding Fabrics Corporation, New York, N. Y. Fabrics made of silk. 181,193; July 17.

Graham, Robt. J., Cashmere, Wash. Fresh boxed apples. 171,636; July 17.

Gray, Arbaces B., doing business as A. B. Gray Company, Sullivan, Ind. Prepared mustard, vinegar, tomato catchup, coffee, etc. 177,485; July 17.

Griffin, William R., West Norwood, N. J. Moth-preventive compound. 167,720; July 17.

H. & H. Products Company. (See Horner, Mary B.)

Haines Manufacturing Corporation, Rochester, N. Y. Automobile accessories. 178,841; July 17.

PUBLISHED FOR OPPOSITION.

[Act of Feb. 20, 1905, Sec. 6, as amended Mar. 2, 1907.]

Harrisburg Coal Mining Company, Chicago, Ill. Coal. 176,624; July 17.
Heathcote, Edward, New York, N. Y. Hosiery, underwear, sweaters, gloves, and mittens. 176,465; July 17.
Heidelberg, Wolff & Co., New York, N. Y. Overcoats, raincoats, smoking jackets, house coats, etc. 179,722; July 17.
Heller, B., & Company, Chicago, Ill. Insecticide for killing moths and carpet beetles. 174,301; July 17.
Heller, B., & Company, Chicago, Ill. Combined coloring and flavoring. 174,304; July 17.
Herman, John C., & Company, Harrisburg, Pa. Cigars. 179,599; July 17.
Hickey-Freeman Co., Rochester, N. Y. Overcoats and topcoats. 177,377; July 17.
Highland Lake Paper Company, Walpole, Mass. Sheathing, waterproof building, and roofing paper, tar felt, and asphalt shingles. 178,611; July 17.
Hillerich & Bradsby Co., Inc., Louisville, Ky. Baseball bats. 180,430; July 17.
Hillig, Frederick W., doing business as F. W. Hillig Co., New York, N. Y. Tablecloths, napkins, scarfs, etc. 161,549; July 17.
Hillig, Frederick W., doing business as F. W. Hillig Co., New York, N. Y. Bed coverings, sheetings, pillowcases, bedspreads, ticklings. 161,550; July 17.
Hirshfeld, Jacob B., doing business as J. B. Hirshfeld & Co., Inc., New York, N. Y. Knitted and nainsook underwear, hosiery, and sweaters. 176,184; July 17.
Hoffman Candy Co., Cleveland, Ohio. Candy bar. 178,343; July 17.
Hollander, Isadore, doing business as Hollander Chemical Works, Bayonne, N. J. Insecticides. 178,388; July 17.
Horner, Mary B., doing business as H. & H. Products Company, Atlanta, Ga. Shampoo cream. 178,613; July 17.
Hornung, Ernest W., doing business as The Hubbell Manufacturing Co., Cleveland, Ohio. Glass curtain lights and frames for automobiles. 169,904; July 17.
Horst, Amos L., New York, N. Y. Hosiery. 176,547; July 17.
Hrejsa, Joseph F., Chicago, Ill. Laxative preparations. 177,972; July 17.
Hubbell Manufacturing Co., The. (See Hornung, Ernest W.)
Hudson, J. L., Co., The, Detroit, Mich. Men's and young men's outer clothing—viz, suits. 171,846; July 17.
Human Hand Cake Beater Co. (See Swope, John A., jr.)
Hunter Dry Kiln Company, The, Indianapolis, Ind. Dry kilns. 175,354; July 17.
Huyler's, New York, N. Y. Candy. 171,172; July 17.
I. C. Refrigeration Co., New York, N. Y. Refrigeration cabinets. 180,477; July 17.
Independent Drug Company, Jacksonville, Fla. Water bottles, fountain syringes, etc. 181,279; July 17.
Irving Engineering Sales Co., Chicago, Ill. Radiator shutters for internal-combustion engines. 167,722; July 17.
Jennison-Wright Co., The, Toledo, Ohio. Pavements and floors and materials therefor. 131,735; July 17.
Jennison-Wright Co., The, Toledo, Ohio. Floors and pavements, coatings, mastics, etc., for floors and pavements. 131,736; July 17.
Johns-Manville, Inc., New York, N. Y. Packing rings. 171,540; July 17.
Johnson, Young & Hamilton, Parma, Idaho. Potatoes and head lettuce. 171,849; July 17.
Joliet Manufacturing Company, Joliet, Ill. Corn shellers. 180,223; July 17.
Kaletzky, Louis, Syracuse, N. Y. Medicine for rheumatism and backache. 178,344; July 17.
Kent, Michael W., doing business as Kent Company, Kansas City, Mo. Dentifrice. 178,724; July 17.
Keynote Manufacturing Co., Inc., Indianapolis, Ind. Septic tanks. 176,486; July 17.
Keystone Fruit Products Company, Cincinnati, Ohio. Preserved fruit. 177,607; July 17.
Klein, L., Inc., Chicago, Ill. Men's and boys' suits, overcoats, and hats. 174,209; July 17.
Larson-Sorahan Co., Inc., Salem, Oreg. Furniture and automobile polish. 177,563; July 17.
Lazier, J. F., Mfg. Co., St. Louis, Mo. Nonalcoholic maltless soft drinks. 178,745; July 17.
Lebwohl & Mindlich, New York, N. Y. Tobacco, cigar, and cigarette boxes. 166,950; July 17.
Leff, Edward, doing business as Leff Company, New York, N. Y. Hosiery, gloves, underwear. 160,016; July 17.
Lewis-Wise Co., Inc., New York, N. Y. Men's robes. 179,873; July 17.
Lilly, Eli, & Company, The, Indianapolis, Ind. Medical preparation. 159,212; July 17.
Lord & Taylor, New York, N. Y. Shoes. 176,486; July 17.
Lovejoy Manufacturing Company, Boston, Mass. Hydraulic shock absorber for automobiles. 177,090–1; July 17.
McKee, William, Minneapolis, Minn. Beverage sold as a soft drink. 179,876; July 17.
McKesson & Robbins Inc., New York, N. Y. Brushes. 177,502; July 17.
McKoin, Ida, Guthrie, Okla. Hair grower. 177,858; July 17.
Macy, R. H., & Co., Inc., New York, N. Y. Aprons. 174,524; July 17.
Mahr Manufacturing Company, Minneapolis, Minn. Oil-burning equipment, furnaces, torches, etc. 172,683; July 17.
Majestic Clothing Company, The, New York, N. Y. Men's, young men's, and boys' outer suits, top coats, pants, etc. 181,431; July 17.
Majestic Shoe Company, New York, N. Y. Shoes. 176,412; July 17.
Maline Mills, The, Winston-Salem, N. C. Knit underwear and undershirts, princess slips for women. 168,478; July 17.
Marguerite Laboratories. (See Murphy, Margaret C.)
Marshall Field & Company, Chicago, Ill. Nail files, toilet tweezers, nail and cuticle nippers. 181,270; July 17.
Martha Maid Manufacturing Company, Inc., Chicago, Ill. Cotton, silk, wool, and linen underwear of knitted and textile fabric for females. 178,084; July 17.
Medoc Distributing Company, New York, N. Y. Pharmaceutical preparations. 143,773; July 17.
Mifflinburg Body Company, The, Mifflinburg, Pa. Commercial automobile bodies. 177,448; July 17.
Mihalovitch Co., The, Cincinnati, Ohio. Rubbing and massage alcohol, skin cleanser, hair tonic, and after-shaving lotion. 178,267; July 17.
Millidale Textile Corporation, New York, N. Y. Cotton piece goods. 181,032; July 17.
Miller, George M., Brooklyn, N. Y. Liquid cream and pomade hair dressings. 176,905; July 17.
Miller, Jerome L., doing business as J. L. Miller Knitting Mill, Hazleton, Pa. Ladies' cotton knit underwear. 179,946; July 17.
Miller's, Jacob, Sons Co., Philadelphia, Pa. Cotton, silk, linen, etc., goods in the piece. 181,033–4; July 17.
Miller's, Jacob, Sons Co., Philadelphia, Pa. Cotton, silk, linen, etc., goods in the piece. 181,036–7; July 17.
Miltex Cloak & Suit Co., New York, N. Y. Women's cloaks, suits, and coats. 176,030; July 17.
Movie Stars Laboratories. (See Forquer, Bernard B.)
Murphy, Margaret C., doing business as Marguerite Laboratories, Evanston, Ill. Cold and dry creams, face powder, rouges, etc. 168,426; July 17.
National Candy Company, doing business as Peckham Candy Factory, St. Louis, Mo., assignor to National Confectioners Association of the United States, Chicago, Ill. Candy. 172,549; July 17.
National Confectioners Association of the United States. (See National Candy Company, assignor.)
Neuss, Hesslein & Co., Inc., New York, N. Y. Printed, bleached, gray, etc., cotton piece goods. 180,882; July 17.
Newell, Carroll D., New York, N. Y. Yarn. 177,420; July 17.
Nicholson's Raincoat Co., Limited, St. Albans, England. Waterproofed fabrics in the piece. 176,497; July 17.
Northwestern Yeast Company, Chicago, Ill. Yeast vitamine product used as a tonic. 177,318; July 17.
Nu-Ka-Na Remedy Co. (See Rett, William F.)
Odex Products Company, Chicago, Ill. Foot powder. 178,767; July 17.
Oertel Roofing Manufacturing Company, now by change of name Stormcote Roofing Corporation, East St. Louis, Ill. Roofing materials. 162,442; July 17.
Painters Supply Co. (See Drabek, Charles.)
Parrish, S. H., Company, Chicago, Ill. Drying liquid composition of matter for rendering paper transparent. 176,646; July 17.
Peckham Candy Factory. (See National Candy Company.)
Peterkin Company, The, Baltimore, Md. Candies. 174,485; July 17.
Price, Charles W., doing business as C. W. P. Company, New York, N. Y. Hair tonics, shampoo, jelly, massage oil, etc. 177,020; July 17.
Procter and Gamble Company, The, Cincinnati, Ohio. Glycerin. 177,998; July 17.
Prym, William Company, Limited, The, Stolberg, Germany. Bone stilettos, hooks and eyes, corset eyes, snap fasteners, etc. 148,615; July 17.
Pung-Chow Company, Inc., New York, N. Y. Games and parts thereof. 179,955–6; July 17.
Pure Oil Company, Columbus, Ohio. Cylinder oil. 178,121; July 17.
Pure Oil Company, Columbus, Ohio. Lubricating oil for hand separators. 178,123; July 17.
Pure Oil Company, Columbus, Ohio. Graphite farm-machinery oil. 178,124; July 17.
Pure Oil Company, Columbus, Ohio. Farm-machinery lubricating oil. 178,125; July 17.
Pure Oil Company, Columbus, Ohio. Axle grease. 178,133; July 17.
Pure Oil Company, Columbus, Ohio. Hard oil. 178,134; July 17.
R. & R. Underwear, New York, N. Y. Brassières. 172,013; July 17.

PUBLISHED FOR OPPOSITION.

[Act of Feb. 20, 1905, Sec. 6, as amended Mar. 2, 1907.]

Randles, Charles D., doing business as Randles Mfg. Company, Ogdensburg, N. Y. Uniforms—namely, dresses, aprons, caps, bibs, etc. 158,895; July 17.
Red Head Manufacturing Company, New York, N. Y. Hand drills. 179,820; July 17.
Reese Chemical Company, The, Cleveland, Ohio. Remedy for the treatment of goiter. 178,359; July 17.
Reeves Coal and Dock Co., Minneapolis, Minn. Coal. 164,194; July 17.
Republic Rubber Company, The, Youngstown, Ohio. Solid, semisolid, and pneumatic elastic tires and inner tubes. 181,867; July 17.
Rett, William F., doing business as Nu-Ka-Na Remedy Co., Roselle, N. J. Medicine known as a blood purifier and body builder. 178,284; July 17.
Richardson-Marsh Corporation, The, Orlando, Fla. Fresh citrous fruits. 178,867; July 17.
Ridge, William F., doing business as Ridged Grip Company, Akron, Ohio. Grips for steering wheels of automobiles, etc. 174,261; July 17.
Roanoke Mills Company, Roanoke Rapids, N. C. Woven cotton fabrics including cotton flannels. 175,439; July 17.
Röhn & Haas Aktiengesellschaft, Darmstadt, Germany. Glue and gelatins used in the manufacture of glue. 164,196; July 17.
Rouse, Hempstone & Co., Inc., Baltimore, Md. Men's and boys' work shirts, flannel shirts, and pants. 158,451; July 17.
Rubber & Celluloid Products Company, doing business as Rubberset Company, Newark, N. J. Shaving brushes. 179,962; July 17.
Rubberset Company. (See Rubber & Celluloid Products Company.)
Sadler, Robt. J., Shoe Co. Incorporated, New York, N. Y. Shoes. 174,978; July 17.
Salmon Falls Manufacturing Company, Boston, Mass. Tire fabrics in the piece. 179,823; July 17.
Salz Brothers Inc., New York, N. Y. Fountain pens. 162,073; July 17.
Schoedinger, F. O., Columbus, Ohio. Stove dampers, soldering furnaces, pipes, elbows, etc. 172,183; July 17.
Schoedinger, F. O., Columbus, Ohio. Roofing paint and paint enamel for furniture. 172,185; July 17.
Selle, H. W., & Co., Chicago, Ill. Packing pads made of excelsior, etc., used in packing objects for shipments. 178,474; July 17.
Simon, N., & Co., Chicago, Ill. Apron dresses. 179,748; July 17.
Sloman, Ernest G., San Francisco, Calif. Card game. 177,143; July 17.
Slomon, Ira I., New York, N. Y. Glue products. 171,555; July 17.
Snappee Co. (See Feinberg David, Company.)
Snowolene Holding Company, Los Angeles, Calif. Gasoline, kerosene, lubricating oils, petroleum distillate. 180,248; July 17.
Societe Anonyme Parfumerie Violet, Paris, France. Perfumes, toilet waters, face, talcum, and sachet powders, etc. 178,144; July 17.
Sonnenschein, J., Hop Company, Inc., New York, N. Y. Hops. 173,148; July 17.
St. Firo Remedy Co., Newark, N. J. Healing creams for eczema. 143,464; July 17.
Stafford, George A., doing business as G. A. Stafford & Co., New York, N. Y. Woven cotton fabrics in the piece. 135,737; July 17.
Standard Oil Company of New York, New York, N. Y. Petroleum oil. 172,242; July 17.
Star Can Opener Company, San Francisco, Calif. Can openers. 180,307; July 17.
Steinfeld Inc., New York, N. Y. Ice-cream freezers. 178,574; July 17.
Sterrett & Fleming Incorporated, Washington, D. C. Used and secondhand motor vehicles. 176,369; July 17.
Stevens, J., Arms Company, New York, N. Y. Shotguns. 159,189; July 17.
Stormcote Roofing Corporation. (See Oertel Roofing Manufacturing Company.)
Stroock, S., & Company, Inc., New York, N. Y. Fabric in the piece composed of wool or other animal fibers. 181,225; July 17.
Superior Distributing Co., New York, N. Y. Metal cash boxes. 173,340; July 17.
Swope, John A., jr., doing business as Human Hand Cake Beater Co., Union Deposit, Pa. Cake beaters and mixers. 177,333; July 17.
Tanner & Poindexter, Atlanta, Ga. Medicinal tablets. 175,276; July 17.
Tarara, Paul L., St. Paul, Minn. Antiseptic foot powder. 178,072; July 17.
Taylor, Clapp & Beall, New York, N. Y. Cotton piece goods. 181,048; July 17.
Thurston, W. Harris, & Co. Inc., New York, N. Y. Shirtings. 160,100; July 17.
Union Steel Products Company, Ltd., The, Albion, Mich. Pie, cooky, and bread rack trucks, proof-box, dough-trough, etc., trucks. 178,008; July 17.
Uswald, Harry, Brooklyn, N. Y. Fur coats, wraps, capes, and neck-pieces. 155,576; July 17.
Vacuum Water Company, Inc., New York, N. Y. Soda water and beverages sold as soft drinks. 165,646; July 17.
Viquesney, Ernest M., Spencer, Ind. Images, bric-a-brac, statuary, etc. 170,228; July 17.
Vitrefrax Company, Inc., The, Los Angeles, Calif. Refractory linings for forges, smelters, etc., refractory cements, etc. 170,416; July 17.
Voss & Stern, New York, N. Y. Sateen piece goods. 179,693; July 17.
Wardwell, Edward H., New York, N. Y. Shell. 176,331; July 17.
Warren & Bailey Co., Los Angeles, Calif. Belting, hose, packing. 172,246; July 17.
Webster, William A., Company, The, Memphis, Tenn. Aspirin. 152,294; July 17.
Wedrick, William R., Silver Lake, Ind. Onions. 177,941; July 17.
Westcott, Slade and Balcom Company, Providence, R. I. Boat paint. 178,647; July 17.
White, Robert E., Absecon, N. J. Cement and concrete blocks, bricks, and building units. 178,200; July 17.
Whitman, Ward & Lee Co., Boston, Mass. Fresh fish which have been subjected to a pickling. 176,147; July 17.
Williams, Arthur A., doing business as Arthur Williams Shoe Company, Holliston, Mass. Leather used in manufacturing and repairing shoes. 178,421; July 17.
Williams, Thomas S., Republic, Wash. Preparation for the removal of dandruff and the treatment of scalp and skin diseases. 179,636; July 17.
Willow Weaving Co. Inc., New York, N. Y. Cravats. 179,576; July 17.
Wilson Goggles, Inc., Reading, Pa. Ophthalmic mountings and parts thereof. 180,403; July 17.
Wilson Brothers, Chicago, Ill. Hosiery. 135,121; July 17.
Wire Wheel Corporation of America, Buffalo, N. Y. Metal disk for motor vehicles and parts thereof. 178,793; July 17.

CLASSIFIED LIST OF TRADE-MARKS REGISTERED.

CLASS 1.

Blueberry plants. Joseph J. White, Inc. 170,674; July 17; Serial No. 172,458; published Apr. 24, 1923.
Caoutchouc, Milk. F. R. Henderson & Co. 170,673; July 17; Serial No. 172,533; published Apr. 24, 1923.
Coal, Steam and domestic. Virginia Blue Gem Coal Corporation. 170,637; July 17; Serial No. 175,691; published Apr. 24, 1923.
Compound having the appearance of putty. Products Mfg. & Sales Co. 170,672; July 17; Serial No. 167,686; published Apr. 24, 1923.
Core facings, blackings, and binders, etc. Bird-Archer Company. 170,583; July 17; Serial No. 158,596; published Apr. 17, 1923.
Fur skins. Cassileth & Schwartz. 170,678; July 17; Serial No. 169,754; published Apr. 24, 1923.
Hair, Human and animal. L. Levussove. 170,670; July 17; Serial No. 162,751; published Oct. 10, 1922.
Hops. J. Sonnenschein Hop Company. 170,545; July 17; Serial No. 173,149; published Apr. 24, 1923.
Leather. W. Graham. 170,436; July 17; Serial No. 171,693; published Apr. 10, 1923.
Nursery products. Pfund Nursery Co. 170,528; July 17; Serial No. 174,028; published Apr. 24, 1923.
Rubber, Guayule. Continental Rubber Company of New York. 170,538; July 17; Serial No. 174,427; published Apr. 24, 1923.
Seed, Grass and field. Egyptian Seed Growers' Exchange. 170,388; July 17; Serial No. 170,759; published Apr. 10, 1923.
Seeds, Vegetables. W. Atlee Burpee Co. 170,627; July 17; Serial No. 175,065; published Apr. 24, 1923.

CLASS 2.

Cans and cans used for packing and shipping ice cream, Milk-shipping. Des Lauriers Metal Products Co. Inc. 170,641; July 17; Serial No. 176,166; published Apr. 24, 1923.

Cardboard to be placed in fruit boxes to prevent the crushing of the fruit. S. Satake. 170,659; July 17; Serial No. 169,328; published Apr. 17, 1923.

Paper receptacles. Raymond Bag Company. 170,482; July 17; Serial No. 172,687; published Apr. 17, 1923.

Shipping cases, Fiber. St. Regis Paper Co. 170,640; July 17; Serial No. 175,445; published Apr. 17, 1923.

Vaults, Burial. Con-O-Lite Corporation. 170,642; July 17; Serial No. 176,072; published Apr. 17, 1923.

CLASS 3.

Ring books, and leather coin pouches, key cases, and letter covers. Leather Products & Finishing Co. 170,560; July 17; Serial No. 173,902; published Apr. 17, 1923.

CLASS 4.

Automobile top dressing. J. H. Morrill. 170,550; July 17; Serial No. 173,360; published Apr. 24, 1923.

Buffing rouge used in the buffing and polishing trade. A. P. Munning & Co. 170,533–6; July 17; Serial Nos. 174,321–4; published Apr. 24, 1923.

Buffing rouge used in the buffing and polishing trade. A. P. Munning & Co. 170,604–5; July 17; Serial Nos. 174,792–3; published Apr. 24, 1923.

Cleaning fluid. Glo-Tex Company. 170,556; July 17; Serial No. 173,763; published Apr. 24, 1923.

Cleanser for rugs, carpets, etc. J. M. Hibler. 170,677; July 17; Serial No. 171,019; published Apr. 24, 1923.

Oilstones, scythestones, whetstones, hones, strops, etc. Pike Manufacturing Company. 170,680; July 17; Serial No. 173,783; published Apr. 24, 1923.

Polish, Shoe. Akin Manufacturing Company. 170,603; July 17; Serial No. 174,869; published Apr. 24, 1923.

Polishing compositions. E. Reed Burns Manufacturing Corp. 170,499; July 17; Serial No. 171,009; published Apr. 24, 1923.

Powder for bathing, washing, and cleaning purposes. W. E. Brackett. 170,564; July 17; Serial No. 173,994; published Apr. 24, 1923.

Soap and soap powder. Lever Brothers Company. 170,676; July 17; Serial No. 171,130; published Apr. 24, 1923.

Soap compounds. E. A. Sprague. 170,524; July 17; Serial No. 174,641; published Apr. 24, 1923.

Soaps. Kendall Mfg. Co. 170,496; July 17; Serial No. 170,487; published Apr. 24, 1923.

Soaps. Lawrence Soap Co. 170,652; July 17; Serial No. 169,366; published Apr. 24, 1923.

Soaps. Wolf Creek Soap Works Company. 170,666; July 17; Serial No. 157,744; published Apr. 24, 1923.

Soaps, body wash, floor cleanser, glass polish, metal polish, etc. Kermul Products, Inc. 170,563; July 17; Serial No. 173,968; published Apr. 24, 1923.

Washing fluid. F. Cicetti. 170,630; July 17; Serial No. 174,725; published Apr. 24, 1923.

CLASS 5.

Casting of metals, Pressed cereal binder and a paste for forming core compounds used in the. D. F. McGrory. 170,420; July 17; Serial No. 172,952; published Apr. 10, 1923.

CLASS 6.

Batteries, Electrolyte compound for storage. C. E. Luburg. 170,429; July 17; Serial No. 171,933; published Apr. 10, 1923.

Blood maker and general tonic. Modern Pharmacal Co. 170,453; July 17; Serial No. 172,283; published Apr. 10, 1923.

Blue, Ultramarine. Standard Ultramarine Co. 170,390; July 17; Serial No. 170,905; published Apr. 10, 1923.

Bluing compound and a liquid bluing. K. H. Wall. 170,422; July 17; Serial No. 172,697; published Apr. 10, 1923.

Clay for facial treatment. Aladdin Mystic Beauty Company. 170,459; July 17; Serial No. 172,572; published Apr. 10, 1923.

Compound for opening clogged pipes, traps, drains, etc. White House Products Co. 170,454; July 17; Serial No. 172,305; published Apr. 10, 1923.

Compound for treating influenza, grippe, etc. J. T. Mason. 170,607; July 17; Serial No. 174,317; published Apr. 24, 1923.

Cough lozenges. E. Kehr. 170,393; July 17; Serial No. 171,326; published Apr. 10, 1923.

Cough mixture. Squire and Co. Birmingham Limited. 170,513; July 17; Serial No. 172,776; published Apr. 17, 1923.

Dyes and dyestuffs. H. A. Metz & Co. 170,413; July 17; Serial No. 173,238; published Apr. 10, 1923.

Electric bulbs, Compound for coloring. McKay Company. 170,372; July 17; Serial No. 174,090; published Apr. 10, 1923.

Gum, Laxative chewing. Health Products Corporation. 170,434; July 17; Serial No. 171,732; published Apr. 10, 1923.

Hair growers, tetter salve, face cream, etc. Mme. Bertha M. Hicks Manufacturing Co. 170,394; July 17; Serial No. 171,365; published Apr. 3, 1923.

Hair tonic. A. E. Glickman. 170,500; July 17; Serial No. 171,017; published Apr. 17, 1923.

Hair tonics. Hygienic Laboratories. 170,363; July 17; Serial No. 173,932; published Apr. 10, 1923.

Insecticide and mothproofing composition. Process Chemicals Incorporated. 170,656; July 17; Serial No. 168,489; publishd Apr. 17, 1923.

Massage for the face and body. L. Philippe. 170,385; July 17; Serial No. 170,542; published Apr. 10, 1923.

Medicinal compound for promoting calcification. J. H. Holm. 170,402; July 17; Serial No. 171,539; published Apr. 10, 1923.

Medicinal preparation for an aid to nature in lung affections, coughs, etc. American Chemical & Drug Co. 170,431; July 17; Serial No. 171,889; published Apr. 10, 1923.

Medicinal preparations for the treatment of glandular deficiency. G. W. Carnrick Co. 170,415; July 17; Serial No. 173,127; published Apr. 10, 1923.

Medicine for sore throat, influenza, etc. W. V. Pateychuk. 170,414; July 17; Serial No. 173,206; published Apr. 10, 1923.

Metals, Compound for the desulphurization and deoxidation of molten. W. A. Rosenberger. 170,424; July 17; Serial No. 172,050; published Apr. 10, 1923.

Nasal solution, douche therefor, and a package containing both. Rosebrand Co. 170,418; July 17; Serial No. 173,008; published Apr. 10, 1923.

Ointment for treatment of rheumatism, sprains, etc. H. C. Frouk. 170,543; July 17; Serial No. 173,281; published May 1, 1923.

Perfume or toilet water, etc., Bottles, vials, packages, or cases containing. Harlequin Parfumerie Compagnie. 170,490; July 17; Serial No. 171,167; published Apr. 17, 1923.

Perfumes, Oils and materials for the production of. Polak's Frutal Works. 170,450; July 17; Serial No. 172,240; published Apr. 10, 1923.

Petroleum combined with hypophosphites, Emulsion of. R. E. O'Rear. 170,426; July 17; Serial No. 172,051; published Apr. 10, 1923.

Powder, Toilet. M. Sullivan. 170,570; July 17; Serial No. 164,677; published Oct. 10, 1922.

Powder used as water softener. Dakota Compound Company. 170,440; July 17; Serial No. 172,084; published Apr. 10, 1923.

Preparation for influenza. Mrs. L. A. Blackburn. 170,364; July 17; Serial No. 173,952; published Apr. 10, 1923.

Preparation for the treatment of pneumonia. E. A. Morgan. 170,398; July 17; Serial No. 171,507; published Apr. 10, 1923.

Prophylactics for the prevention of sexual diseases. Retailers' Manufacturing Corporation. 170,427; July 17; Serial No. 172,014; published Apr. 10, 1923.

Salve for burns, wounds, etc. A. J. Krank Mfg. Co. 170,417; July 17; Serial No. 173,050; published Apr. 10, 1923.

Shampoo. Concentrated Products Corporation. 170,412; July 17; Serial No. 173,323; published Apr. 10, 1923.

Shampoo. Hygienic Laboratories. 170,362; July 17; Serial No. 173,931; published Apr. 10, 1923.

Suppositories. Drug Products Co. 170,368; July 17; Serial No. 173,999; published Apr. 10, 1923.

Toilet preparation. Lowell Company. 170,462–3; July 17; Serial Nos. 157,375–6; published Apr. 10, 1923.

Tonic in the treatment of the weaknesses and disorders of the female generative organs. Modern Pharmacal Co. 170,452; July 17; Serial No. 172,282; published Apr. 10, 1923.

Vermifuge to be used in the treatment of live stock. Welch & Marker. 170,425; July 17; Serial No. 172,022; published Apr. 10, 1923.

CLASS 7.

Rope. Tubbs Cordage Company. 170,595; July 17; Serial No. 143,108; published June 21, 1921.

Rope. Tubbs Cordage Company. 170,596; July 17; Serial No. 143,106; published June 21, 1921.

Rope. Whitlock Cordage Co. 170,548; July 17; Serial No. 173,265; published Mar. 20, 1923.

Rope, Istle. Hooven & Allison Company. 170,599; July 17; Serial No. 117,597; published Dec. 30, 1919.

Rope, Manila. Tubbs Cordage Company. 170,686; July 17.

Rope, twine, cables, commercial twines, clotheslines. Johnson Pickett Rope Co. 170,571–2; July 17; Serial Nos. 164,920–1; published Apr. 17, 1923.

CLASS 8.

Pipes, Tobacco. Delacour Bros. Ltd. 170,612–15; July 17; Serial Nos. 176,723–6; published Apr. 24, 1923.

Pipes, Tobacco. Delacour Bros. Ltd. 170,623–4; July 17; Serial Nos. 176,727–8; published Apr. 24, 1923.

CLASS 9.

Matches. Diamond Match Company. 170,565–6; July 17; Serial Nos. 158,822–3; published Apr. 17, 1923.

Matches. Diamond Match Company. 170,617–20; July 17; Serial Nos. 177,075–8; published Apr. 17, 1923.

CLASS 10.

Fertilizer. American Agricultural Chemical Company. 170,622; July 17; Serial No. 176,868; published Apr. 17, 1923.

Gas-generating means. S. P. Wetherill, jr. 170,498; July 17; Serial No. 170,848; published Apr. 17, 1923.

CLASS 12.

Lime. Kimbalton Lime Company. 170,497; July 17; Serial No. 170,822; published Apr. 17, 1923.

Partitions in buildings, for doors, wardrobes, and the like, Wood rolling. J. W. Monroe. 170,574; July 17; Serial No. 166,705; published Apr. 17, 1923.

Wall or plaster board. S. A. Blair. 170,522; July 17; Serial No. 174,723; published Apr. 17, 1923.

CLASS 13.

Belt fasteners. Fexible Steel Lacing Company. 170,470; July 17; Serial No. 167,870; published Apr. 17, 1923.

Container holders, Beverage-. R. G. Mitchell. 170,464; July 17; Serial No. 161,733; published Apr. 17, 1923.

Ovens, Dutch. Griswold Manufacturing Company. 170,475; July 17; Serial No. 172,156; published Apr. 17, 1923.

Tank floats, Vacuum. J. H. Cohen. 170,469; July 17; Serial No. 167,840; published Apr. 17, 1923.

CLASS 14.

Alloy, Nickel and manganese. Henry Wiggin & Company Limited. 170,517; July 17; Serial No. 172,707; published Apr. 17, 1923.

Alloy, Nickel-chrome. Henry Wiggin & Company Limited. 170,480–1; July 17; Serial Nos. 172,704–5; published Apr. 17, 1923.

Alloys, Metallic soldering. S. Pfyffer. 170,416; July 17; Serial No. 173,053; published Apr. 17, 1923.

Metals used for electrical purposes. Henry Wiggin & Company Limited. 170,478; July 17; Serial No. 172,702; published Apr. 17, 1923.

Nickel and alloys of nickel. Henry Wiggins & Company Limited. 170,477; July 17; Serial No. 172,701; published Apr. 17, 1923.

Nickel steel. Henry Wiggin & Company Limited. 170,479; July 17; Serial No. 172,703; published Apr. 17, 1923.

Wire, Base-metal. Page Steel & Wire Company. 170,465; July 17; Serial No. 162,646; published Apr. 17, 1923.

CLASS 15.

Gasoline. Standard Oil Company. 170,461; July 17; Serial No. 172,691; published Apr. 3, 1923.

Gasoline and lubricating oils. H. Bunge. 170,643; July 17; Serial No. 176,064; published Apr. 17, 1923.

Oils and greases, gasoline, motor spirit, etc., Lubricating. Petroleum Products Co. 170,561; July 17; Serial No. 173,904; published Apr. 17, 1923.

Oils, greases, compounds, etc., Lubricating. Indian Refining Company. 170,460; July 17; Serial No. 172,596; published Apr. 10, 1923.

Oils, Lubricating. American Oil Corporation. 170,531; July 17; Serial No. 174,277; published Mar. 27, 1923.

Oils, Lubricating. Wadhams Oil Company. 170,684; July 17.

CLASS 16.

Enamels, Paint. Frank Bownes Company. 170,609; July 17; Serial No. 176,396; published Apr. 17, 1923.

Finishing and polishing materials in the nature of a varnish. Sheratone Products Corporation. 170,555; July 17; Serial No. 173,678; published Apr. 17, 1923.

Hydrocarbon black. United Oil & Natural Gas Products Corporation. 170,445; July 17; Serial No. 172,133; published Apr. 10, 1923.

Oil used in making high-gloss varnish. F. E. Booth Co. 170,578; July 17; Serial No. 167,553; published Apr. 17, 1923.

Paints and varnishes. Oliver Reeder & Son, Inc. 170,510; July 17; Serial No. 173,006; published Apr. 17, 1923.

Paints and varnishes. St. Louis Surfacer & Paint Company. 170,514; July 17; Serial No. 172,777; published Apr. 17, 1923.

Paints, enamels, etc., Preparations used in the manufacture of floor. Keystone Varnish Company. 170,610; July 17; Serial No. 176,351; published Apr. 17, 1923.

Paints, house paints, paint enamels, etc., Ready-mixed. Kolbe Paint Company. 170,632; July 17; Serial No. 175,358; published Apr. 17, 1923.

Paints, paint enamels, japans, etc. Sherwin-Williams Company. 170,537; July 17; Serial No. 174,413; published Apr. 17, 1923.

Whiting. Taintor Company. 170,626; July 17; Serial No. 175,171; published Apr. 17, 1923.

CLASS 17.

Cigars. Swint, Davis & Davis. 170,457; July 17; Serial No. 172,362; published Apr. 10, 1923.

Cigars, cigarettes, smoking tobacco. Lilly, Dungan & Company. 170,693; July 17.

Tobacco, Smoking. Charles B. Perkins Co. 170,367; July 17; Serial No. 173,980; published Apr. 10, 1923.

CLASS 19.

Bicycles, tricycles, motor trucks, etc. Humber Limited. 170,590; July 17; Serial No. 154,513; published Apr. 24, 1923.

Carriages and gocarts, Baby. Heywood-Wakefield Company. 170,397; July 17; Serial No. 171,458; published Apr. 10, 1923.

Carriages, Baby. Westfield Manufacturing Company. 170,501; July 17; Serial No. 171,051; published Apr. 17, 1923.

Cars, Motor. Lincoln Motor Company. 170,692; July 17.

Fender braces. Wichita Fender Brace Company. 170,694; July 17.

Trucks and automobiles, Motor. Graham Brothers. 170,489; July 17; Serial No. 172,272; published May 1, 1923.

Trucks, Floor. W. M. Nutting. 170,547; July 17; Serial No. 173,240; published Apr. 17, 1923.

Vehicle rear-view mirrors, windshield wings, etc. Kokomo Automotive Mfg. Co. 170,689; July 17.

Wind screens for use with vehicles. Easting Windscreens Limited. 170,493; July 17; Serial No. 171,987; published Apr. 24, 1923.

CLASS 21.

Batteries, Storage. G. M. Biehl. 170,575; July 17; Serial No. 167,347; published Apr. 3, 1923.

Electrical wires, Protective covering for. Tubular Woven Fabric Company. 170,391; July 17; Serial No. 170,913; published Apr. 3, 1923.

Radio equipment. R. E. Goll. 170,380; July 17; Serial No. 174,388; published Apr. 3, 1923.

Vacuum tubes. Electrad Corporation of America. 170,366; July 17; Serial No. 173,960; published Apr. 3, 1923.

CLASS 22.

Balls, Golf. Manhattan Photo Supply Co. 170,685; July 17.

Cards, Playing. Aiken & Aiken. 170,371; July 17; Serial No. 174,056; published Apr. 10, 1923.

Game, Board. Parker Brothers. 170,419; July 17; Serial No. 172,955; published Apr. 10, 1923.

Game played with cards, Parlor. Parker Brothers. 170,375; July 17; Serial No. 174,330; published Apr. 10, 1923.

Toy dolls. C. Ewald. 170,377; July 17; Serial No. 174,386; published Apr. 10, 1923.

Toy rubber balls, Inflated. Radio Ball Company. 170,492; July 17; Serial No. 171,815; published Feb. 6, 1923.

Toy wagons. A. O. Cannon. 170,370; July 17; Serial No. 174,053; published Apr. 10, 1923.

CLASS 23.

Hammers, hatchets, shovels, screw drivers, and chisels. B. Lurye. 170,474; July 17; Serial No. 171,226; published Apr. 17, 1923.

Pump outfits, parts, and fittings thereof. Cleveland Steel Barrel Company. 170,472; July 17; Serial No. 171,063; published Apr. 17, 1923.

Tillers. Scientific Farming Machinery Company. 170,437; July 17; Serial No. 171,660; published Mar. 13, 1923.

Tools, agricultural implements, Carpenters'. Markt & Hammacher Company. 170,476; July 17; Serial No. 172,233; published Apr. 17, 1923.

Tractors and attachments and parts thereof. International Harvester Company. 170,553; July 17; Serial No. 173,649; published Apr. 17, 1923.

Valves, Poppet. Toledo Steel Products Co. 170,471; July 17; Serial No. 168,991; published Apr. 17, 1923.

CLASS 28.

Pins, buckles, clasps, buttons, watch chains, neck chains, etc. William C. Greene Company. 170,455; July 17; Serial No. 172,331; published Apr. 3, 1923.

Thimbles, Sewing. Goldsmith, Stern & Co. 170,379; July 17; Serial No. 174,387; published Mar. 13, 1923.

CLASS 29.

Mops and mop handles. W. H. Fisher. 170,644; July 17; Serial No. 175,855; published Apr. 17, 1923.

CLASS 31.

Chest, Cooling. Keynote Manufacturing Co. 170,473; July 17; Serial No. 171,086; published Apr. 10, 1923.

Fluids, Material for arresting and separating impurities or other matter from. Celite Products Company. 170,594; July 17; Serial No. 146,755; published Apr. 17, 1923.

CLASS 32.

Mattresses, pillows, bolsters, cushions. Robinson-Roders Co. 170,597; July 17; Serial No. 136,604; published Apr. 24, 1923.

Spring beds, mattresses, cots, and metal bedsteads. Southern Spring Bed Company. 170,559; July 17; Serial No. 173,859; published Apr. 24, 1923.

CLASS 33.

Glass plates, bowls, nappies, jars, jugs, pitchers etc. Jeannette Glass Company. 170,451; July 17; Serial No. 172,277; published Apr. 3, 1923.

Glass teapots. Corning Glass Works. 170,395; July 17; Serial No. 171,413; published Apr. 10, 1923.

Glass, Window. Mountain State Glass Co. 170,616; July 17; Serial No. 177,139; published Apr. 17, 1923.

CLASS 35.

Automobile fan belts. Teuscher & Son Machinery Supply Co. 170,688; July 17.

Automobile transmissions, Lining for. Standard Motor Parts Company. 170,631; July 17; Serial No. 175,413; published Apr. 24, 1923.

Inner-tube repair patches. J. J. Fuchs. 170,601; July 17; Serial No. 132,801; published Apr. 17, 1923.

Tire casings, Automobile. Cord Tire Corporation. 170,660; July 17; Serial No. 167,712; published Apr. 17, 1923.

Tires and inner tubes. L. L. Chadwin. 170,487; July 17; Serial No. 172,512; published Apr. 24, 1923.

Tires and inner tubes. George Spencer, Moulton & Co. Ltd. 170,593; July 17; Serial No. 151,299; published Apr. 24, 1923.

Tires and inner tubes, Rubber. Mid-Continent Tire Manufacturing Company. 170,600; July 17; Serial No. 118,089; published Apr. 24, 1923.

Tires, inner tubes, etc., Vehicle. Ideal Tire and Rubber Company. 170,588; July 17; Serial No. 155,968; published Apr. 1, 1923.

Tires, Rubber. Fisk Rubber Company. 170,546; July 17; Serial No. 173,186; published Apr. 24, 1923.

Tires, Solid and pneumatic rubber and fabric. Miller Rubber Company. 170,629; July 17; Serial No. 174,791; published Apr. 24, 1923.

Tires, tubes, patches, hose, etc. Stanley Glidden Co. 170,687; July 17.

CLASS 36.

Phonograph needles or styli. S. Wilensky. 170,530; July 17; Serial No. 174,225; published Feb. 20, 1923.

Violins and similar musical instruments, Strings for. Simson & Frey, Inc. 170,458; July 17; Serial No. 172,561; published Apr. 3, 1923.

CLASS 37.

Bread wrappers. Potter-Wrightington, Inc. 170,466; July 17; Serial No. 164,187; published Apr. 10, 1923.

Paper, Blotting. Standard Paper Manufacturing Co. 170,523; July 17; Serial No. 174,704; published Apr. 17, 1923.

Paper, Blotting. Standard Paper Manufacturing Co. 170,525; July 17; Serial No. 174,703; published Apr. 17, 1923.

Paper tablets, composition and blank books, pads, papeteries, etc. Aller Brothers. 170,638; July 17; Serial No. 175,539; published Apr. 17, 1923.

Paper, Writing. Hawthorne Paper Company. 170,586; July 17; Serial No. 156,447; published Apr. 17, 1923.

Papeteries, writing and typewriting tablets, etc. White & Wyckoff Manufacturing Company. 170,503; July 17; Serial No. 173,122; published Apr. 17, 1923.

Papeteries, writing and typewriting tablets, etc. White & Wyckoff Manufacturing Company. 170,504; July 17; Serial No. 173,116; published Apr. 17, 1923

Papeteries, writing and typewriting tablets, etc. White & Wyckoff Manufacturing Company. 170,505–6; July 17; Serial Nos. 173,120–1; published Apr. 17, 1923.

Papeteries, writing and typewriting tablets, etc. White & Wyckoff Manufacturing Company. 170,512; July 17; Serial No. 173,114; published Apr. 17, 1923.

Papeteries, writing and typewriting tablets, etc. White & Wyckoff Manufacturing Company. 170,635; July 17; Serial No. 173,827; published Apr. 17, 1923.

Pencils, Lead and paper crayon. United States Pencil Co. 170,467; July 17; Serial No. 166,334; published Apr. 10, 1923.

Photographic mountings. California Card Manufacturing Co. 170,633; July 17; Serial No. 175,340; published Apr. 17, 1923.

Wrapping, packing, and lining merchandise, etc., Material for use in. Safepack Mills. 170,598; July 17; Serial No. 115,189; published Sept. 16, 1919.

CLASS 38.

Cards and educational posters, Advertising. American Banking Machine Corporation. 170,608; July 17; Serial No. 173,948; published Apr. 24, 1923.

Cartoon title. Public Ledger Company. 170,682; July 17; Serial No. 172,000; published Apr. 24, 1923.

Cartoons, advertising cartoons, and illustrations. International Association of Machinists. 170,544; July 17; Serial No. 158,121; published Apr. 24, 1923.

Cartoons and illustrations used for advertising purposes. B. Reese. 170,681; July 17; Serial No. 173,209; published Apr. 24, 1923.

Catalogue section. T. W. Wood & Sons. 170,606; July 17; Serial No. 174,682; published Apr. 24, 1923.

Index and sales-data book, Combination. A. G. McMillan. 170,532; July 17; Serial No. 174,318; published Apr. 24, 1923.

Magazine, Monthly. Lurie Company. 170,671; July 17; Serial No. 167,471; published Apr. 24, 1923.

Magazine, Monthly. Northman Publishing Company. 170,675; July 17; Serial No. 171,380; published Apr. 24, 1923.

Magazine, Monthly. Radio Publishing Corporation. 170,679; July 17; Serial No. 168,729; published Apr. 24, 1923.

Periodical, Section of a monthly. B. C. Boat. 170,562; July 17; Serial No. 173,910; published Apr. 17, 1923.

Publication, Monthly. Fletcher American Company. 170,668; July 17; Serial No. 158,676; published Apr. 24, 1923.

Publication page. Toledo Scale Company. 170,373; July 17; Serial No. 174,115; published Apr. 17, 1923.

CLASS 39.

Baby pants or diaper covers. S. H. Shoninger. 170,568; July 17; Serial No. 163,709; published Oct. 24, 1922.

Belts, Apparel. Harris Suspender Company. 170,421; July 17; Serial No. 172,944; published Apr. 3, 1923.

Boots and shoes, Leather. S. Alexander. 170,486; July 17; Serial No. 172,410; published Apr. 17, 1923

Caps, Boys' and men's. S. M. Blumenfield. 170,365; July 17; Serial No. 173,953; published Apr. 3, 1923.

Corsets and brassières. Camlin Corset Co. 170,386; July 17; Serial No. 170,620; published Apr. 10, 1923.

Gloves, gauntlets, and mittens, Leather. Joseph N. Eisendrath Company. 170,403; July 17; Serial No. 173,475; published Apr. 10, 1923.

Gloves, gauntlets, and mittens, Leather. Joseph N. Eisendrath Company. 170,404–5; July 17; Serial Nos. 173,472–3; published Apr. 10, 1923.

Gloves, gauntlets, and mittens, Leather. Joseph N. Eisendrath Company. 170,406; July 17; Serial No. 173,470; published Apr. 10, 1923.

Gloves, gauntlets, and mittens, Leather. Joseph N. Eisendrath Company. 170,407–9; July 17; Serial Nos. 173,466–8; published Apr. 10, 1923.

Gloves, Men's leather. John Wanamaker, New York. 170,438–9; July 17; Serial Nos. 171,601–2; published Apr. 10, 1923.

Hat frames. Capital Hat Frame Works. 170,389; July 17; Serial No. 170,807; published Apr. 3, 1923.

Hats and caps. Disney Hats. 170,392; July 17; Serial No. 171,209; published Apr. 3, 1923.

Hats and caps, Men's felt, straw, cloth, and silk. Hanover-Hall Company. 170,381; July 17; Serial No. 174,389; published Apr. 3, 1923.

Hats, Misses' and ladies'. C-R Millinery Co. 170,432; July 17; Serial No. 171,905; published Apr. 10, 1923.

Rubber boots and shoes and arctic overshoes. Goodyear Rubber Company. 170,611; July 17; Serial No. 176,338; published Apr. 17, 1923.

Shoes. Curtis & Jones Company. 170,396; July 17; Serial No. 171,414; published Apr. 10, 1923.

Shoes. Melville Shoe Corporation. 170,435; July 17; Serial No. 171,704; published Apr. 10, 1923.

Shoes, Dress and sport. Whitehouse & Hardy, Inc. 170,428; July 17; Serial No. 171,972; published Apr. 10, 1923.

Shoes, insoles, and outer soles. Allen-Spiegel Shoe Mfg. Co. 170,399; July 17; Serial No. 171,519; published Apr. 10, 1923.

Shoes, Leather. T. D. Barry Company. 170,410; July 17; Serial No. 173,460; published Apr. 3, 1923.

Shoes, Leather. Edmonds Shoe Company. 170,540; July 17; Serial No. 174,514; published Apr. 17, 1923.

Shoes, Leather. Melanson Shoe Company. 170,625; July 17; Serial No. 175,259; published Apr. 17, 1923.

Shoes, Leather and fabric. L. L. Kann. 170,411; July 17; Serial No. 173,426; published Apr. 3, 1923.

Shoes made of leather. Lederer & Latz. 170,387; July 17; Serial No. 170,655; published Apr. 3, 1923.

CLASS 40.

Laces, Shoe and corset. Hutmacher Braiding Company. 170,585; July 17; Serial No. 156,789; published Apr. 24, 1923.

Lacings, galloons, braids, etc., Shoe and other. Walker Webbing Co. 170,587; July 17; Serial No. 156,125; published Apr. 24, 1923.

Needlwork, Art. T. Buettner & Co. 170,645; July 17; Serial No. 170,270; published Apr. 24, 1923.

Ribbon novelties or trims. R. C. Taft. 170,646; July 17; Serial No. 170,164; published Apr. 24, 1923.

Tape, pins, hair curlers, etc., Lingerie. Samstag & Hilder Bros. 170,494; July 17; Serial No. 172,060; published Apr. 24, 1923.

CLASS 42.

Blankets, Woolen football. James W. Brine Company. 170,519; July 17; Serial No. 172,728; published Apr. 17, 1923.

Carpets, Textile. Aetna Carpet Co. 170,539; July 17; Serial No. 174,504; published Apr. 17, 1923.

Cotton piece goods. Weiner Brothers, Inc. 170,541; July 17; Serial No. 174,550; published Apr. 17, 1923.

Cotton, silk and cotton, linen, etc., piece goods. Richardson Dry Goods Co. 170,456; July 17; Serial No. 172,351; published Apr. 10, 1923.

Fabrics in the piece, Pile. Sidney Blumenthal & Co. Inc. 170,636; July 17; Serial No. 175,767; published Apr. 17, 1923.

Lace edgings in the piece. Marvello Lace Company. 170,661; July 17; Serial No. 168,220; published Apr. 24, 1923.

Sheetings and cloths in bolts, Cotton. George W. Kavanaugh, Inc. 170,602; July 17; Serial No. 134,825; published Feb. 14, 1923.

Silk piece goods. H. R. Mallinson & Co. 170,502; July 17; Serial No. 173,139; published Apr. 24, 1923.

Silk piece goods. H. R. Mallinson & Co. 170,527; July 17; Serial No. 174,020; published Apr. 17, 1923.

Upholstery and drapery fabrics. Henry Goldthorp Company. 170,650; July 17; Serial No. 170,063; published Apr. 17, 1923.

Woolen fabrics in the piece. American Uniform Company. 170,651; July 17; Serial No. 170,115; published Apr. 24, 1923.

Woolen piece goods. Forstmann & Huffmann Company. 170,653; July 17; Serial No. 169,441; published Apr. 24, 1923.

CLASS 43.

Knitting wool. James Templeton & Son, Ltd. 170,628; July 17; Serial No. 174,870; published Apr. 17, 1923.

Yarn. Wm. H. Horstmann Company. 170,621; July 17; Serial No. 176,999; published Apr. 17, 1923.

CLASS 44.

Antiseptic dressings and absorbent and medicated cottons and gauzes, and bandages. Deane Plaster Co. 170,634; July 17; Serial No. 175,307; published Apr. 17, 1923.

Applicators for the lips. A. and G. Co. 170,485; July 17; Serial No. 172,409; published Apr. 17, 1923.

Dental crowns. Central Dental Laboratory Co. 170,378; July 17; Serial No. 174,356; published Apr. 10, 1923.

Sanitary-napkin holders. S. A. Harrison. 170,639; July 17; Serial No. 175,491; published Apr. 17, 1923.

Sanitary napkins. R. W. Naylor. 170,526; July 17; Serial No. 174,629; published Apr. 24, 1923.

Shields, Hand. W. C. Seitz. 170,683; July 7.

Sprayers for medicinal use. Ostra Corporation. 170,509; July 17; Serial No. 172,954; published Apr. 17, 1923.

CLASS 45.

Beverage sold as a soft drink and sirups for making the same. Hurty-Peck & Co. 170,369; July 17; Serial No. 174,011; published Apr. 10, 1923.

Beverages sold as soft drinks. Combier & Cie. 170,374; July 17; Serial No. 174,166; published Apr. 10, 1923.

Beverages sold as soft drinks and sirups for making the same. Sand Springs Bottling Co. 170,376; July 10; Serial No. 174,339; published Apr. 10, 1923.

CLASS 46.

Apples, dehydrated. Washington Dehydrated Food Co. 170,508; July 17; Serial No. 172,919; published Apr. 17, 1923.

Biscuits. Bishop & Company. 170,663; July 17; Serial No. 134,455; published Aug. 24, 1922.

Bread. Zinsmaster Baking Company. 170,542; July 17; Serial No. 136,822; published May 24, 1921.

Candies. King Candy Co. 170,382; July 17; Serial No. 172,113; published Apr. 10, 1923.

Candies. Pacific Coast Biscuit Company. 170,443; July 17; Serial No. 172,119; published Apr. 10, 1923.

Candy. Ambrosia Chocolate Co. 170,430; July 17; Serial No. 171,887; published Apr. 10, 1923.

Candy. F. L. Berg. 170,549; July 17; Serial No. 173,289; published Apr. 24, 1923.

Candy. Brecht Candy Company. 170,448; July 10; Serial No. 172,199; published Apr. 10, 1923.

Candy. George Close Co. 170,483; July 17; Serial No. 172,517; published Apr. 17, 1923.

Candy. George Close Co. 170,488; July 17; Serial No. 172,516; published Apr. 17, 1923.

Candy. Halligan Candy Company. 170,511; July 17; Serial No. 173,043; published Apr. 17, 1923.

Candy. A. G. Morse Company. 170,551; July 17; Serial No. 173,438; published Apr. 24, 1923.

Candy. New England Confectionery Company. 170,589; July 17; Serial No. 154,839; published Apr. 17, 1923.

Candy. New England Confectionery Company. 170,591; July 17; Serial No. 154,820; published Apr. 17, 1923.

Candy and peppermit lozenges. Sally Mint Company. 170,658; July 17; Serial No. 169,185; published Apr. 24, 1923.

Canned baked beans with pork. Ehmann Olive Company. 170,662; July 17; Serial No. 168,359; published Apr. 24, 1923.

Canned cherries. Hood River Canning Co. 170,442; July 17; Serial No. 172,093; published Apr. 10, 1923.

Canned fruits. Thomas-Body Co. 170,558; July 17; Serial No. 173,792; published Apr. 24, 1923.

Canned fruits. Virden Packing Company. 170,423; July 17; Serial No. 172,068; published Apr. 10, 1923.

Canned fruits and berries. Producers Canning & Packing Co. 170,384; July 17; Serial No. 171,550; published Apr. 10, 1923.

Canned fruits and vegetables. Filice & Perrelli Canning Co. 170,401; July 17; Serial No. 171,534; published Apr. 10, 1923.

Canned fruits and vegetables. John W. McCarthy, Jr., Inc. 170,567; July 17; Serial No. 163,341; published Apr. 17, 1923.

Canned fruits and vegetables. F. B. Neuhoff. 170,433; July 17; Serial No. 171,860; published Apr. 10, 1923.

Canned fruits and vegetables. F. B. Neuhoff. 170,554; July 17; Serial No. 173,657; published Apr. 24, 1923.

Canned fruits, vegetables, and fish. Mailliard & Schmiedell. 170,447; July 17; Serial No. 172,232; published Apr. 10, 1923.

Canned fruits, vegetables, and fish. United States Products Corporation. 170,655; July 17; Serial No. 168,391; published Apr. 17, 1923.

Canned lobster and tropical fruits. H. S. Carmichael. 170,592; July 17; Serial No. 148,126; published Oct. 31.

Canned preserved fruits, jams, jellies, and fruit sirups. San Francisco Breweries, Ltd. 170,576; July 17; Serial No. 167,368; published Apr. 24, 1923.

Canned salmon. A. A. Anderson. 170,515; July 17; Serial No. 172,821; published Apr. 17, 1923.

Canned vegetables. Ephraim Sanitary Canning Company. 170,654; July 17; Serial No. 169,477; published Apr. 17, 1923.

Cantaloupes. J. T. John Company. 170,579; July 17; Serial No. 167,569; published Apr. 24, 1923.

Cheese. W. Fachndrich. 170,665; July 17; Serial No. 147,720; published Jan. 10, 1922.

Chocolate. G. M. Cabrera. 170,657; July 17; Serial No. 168,511; published Apr. 17, 1923.

Chocolates and candies. E. Greenfield Sons. 170,495; July 17; Serial No. 170,381; published Apr. 24, 1923.

Codfish, Boneless salt. Deep Sea Fisheries, Inc. 170,441; July 17; Serial No. 172,085; published Apr. 10, 1923.

Coffee. G. Gund. 170,484; July 17; Serial No. 172,529; published Apr. 17, 1923.

Coffee. Rockford Wholesale Grocery Co. 170,647; July 17; Serial No. 169,563; published Apr. 17, 1923.

Coffee. Sehon, Stevenson & Company. 170,383; July 17; Serial No. 171,595; published Apr. 10, 1923.

Coffee, rice, and evaporated milk. H. P. Lau Co. 170,667; July 17; Serial No. 158,320; published Oct. 3, 1922.

Drink, Malted chocolate milk. Weber Milk Company. 170,573; July 17; Serial No. 165,320; published Apr. 17, 1923.

Flour, Wheat. Mauser Mill Company. 170,664; July 17; Serial No. 143,771; published Feb. 13, 1923.

Fruits and vegetables, Fresh. Illinois Fruit Exchange. 170,581; July 17; Serial No. 167,641; published Apr. 24, 1923.

Fruits and vegetables, Fresh deciduous. T. S. Smith. 170,529; July 17; Serial No. 174,038; published Apr. 24, 1923.

Fruits, Fresh citrous. Arizona Citrus Growers' Co. 170,516; July 17; Serial No. 172,857; published Apr. 17, 1923.

Ice cream. Goodman American Ice Cream Company. 170,648; July 17; Serial No. 169,710; published Apr. 17, 1923.

Ice-cream cones made of milk chocolate. H. L. Scott. 170,649; July 17; Serial No. 170,043; published Apr. 24, 1923.

Jellies, caramel toffees, and other boiler-sugar goods. Walter Robertson & Son, Ltd. 170,582; July 17; Serial No. 167,690; published Apr. 24, 1923.

Macaroni and olive oil. Kurtz Brothers. 170,468; July 17; Serial No. 167,002; published Apr. 17, 1923.

Macaroni products, canned fruits, vegetables, and fish, evaporated milk, etc. Fontana Food Products Company. 170,507; July 17; Serial No. 172,872; published Apr. 17, 1923.

Mayonnaise. Atmore and Son, Inc. 170,449; July 17; Serial No. 172,196; published Apr. 10, 1923.

Mincemeat. T. F. B. Sotham. 170,444; July 17; Serial No. 172,126; published Apr. 10, 1923.

Oil for salads and cooking. American Cotton Oil Company. 170,400; July 17; Serial No. 171,520; published Apr. 10, 1923.

Oil, Salad and cooking. H. E. Havens. 170,520; July 17; Serial No. 172,738; published Apr. 17, 1923.

Oil, Salad vegetable. Reliable Importing Company. 170,446; July 17; Serial No. 172,174; published Apr. 10, 1923.

Oleomargarine. Glidden Nut Butter Company. 170,669; July 17; Serial No. 159,506; published Feb. 13, 1923.

Peanut butter, olives, mustard, chow relish. Walter J. Hirsch Co. 170,584; July 17; Serial No. 157,523; published Apr. 24, 1923.

Peanut jam. Honey Products Co. 170,557; July 17; Serial No. 173,769; published Apr. 24, 1923.

Pickles. American Pickle & Canning Company. 170,518; July 17; Serial No. 172,716; published Apr. 17, 1923.
Shortening. Brown Orcola Company. 170,580; July 17; Serial No. 167,598; published Apr. 17, 1923.
Sirup, Malt. Primalt Products Co. 170,577; July 17; Serial No. 167,420; published Apr. 24, 1923.
Tapioca. Hans Baruch & Co. 170,491; July 17; Serial No. 171,317; published Apr. 24, 1923.
Tea. Joannes Bros. Co. 170,521; July 17; Serial No. 172,743; published Apr. 17, 1923.
Tonics, Medicinal. H. C. Brown. 170,552; July 17; Serial No. 173,589; published Apr. 17, 1923.
Tunny fish, tomatoes, tomato sauce, and paste, string beans, etc. Savoy Importing Co., Inc. 170,569; July 17; Serial No. 163,711; published Apr. 24, 1923.

CLASS 50.

Tags, Identification. D. Hirsch. 170,695; July 17.
Tents, tarpaulins, wagon covers, etc. Canvas Products Company. 170,690–1; July 17.

ALPHABETICAL LIST OF LABELS.

Aeroplane. For Sweeping Compound. A. W. Mendenhall & Company. 26,240; July 17.
Asma Relef. For Asthma, Hay Fever, Bronchial and Catarrhal Medicine. W. H. Goodridge. 26,226; July 17.
Chilipitine Syrup. For a Compound for Coughs and Colds. B. & B. Chemical Company. 26,220; July 17.
Dr. Lawton's Automatic Waistline Reducer. For Surgical Appliances. T. Lawton. 26,236; July 17.
Eveready Radio "B" Battery. For Electric Batteries. National Carbon Company. 26,241; July 17.
Heller's Fancy-Pastry Dessert Powder. For Preparation for Use in Making Dessert. B. Heller & Company. 26,229; July 17.
Hemoglotone. For a Tonic. Bio-Medical Laboratories. 26,221; July 17.
Imperial Bay Rum. For Bay Rum. Imperial Perfumery and Barber's Supplies, Inc. 26,231; July 17.
Kiddies Filling. For Dental Filling Material. J. A. Williams, D. D. S. 26,248; July 17.
Kirk's Original Olive Cocoa Castile. For Soap. James S. Kirk & Company. 26,235; July 17.
Lucido's Quality. For Peas. Lucido Brothers Grocery Company. 26,238; July 17.
Meloine. For Preparation for Use in Improving Ice Cream and in Conditioning the Ice-Cream Mix. B. Heller & Company. 26,230; July 17.
Name. For Handkerchiefs. S. W. Magnus & Co. 26,239; July 17.
Narcissus Paper White. For a Box of Narcissus Bulbs. New Amsterdam Bulb Co. 26,242; July 17.
Neptune. For Table Salt. Haas, Baruch & Co. 26,227; July 17.
Parfait. For Powder Puffs. Hardy, Newman & Co. 26,228; July 17.
Peter-Pan. For Corn. Inderrieden Canning Co. 26,233; July 17.
Peter-Pan. For Peas. Inderrieden Canning Co. 26,232; July 17.
Play Balls. For Sponge-Rubber Balls. Faultless Rubber Company. 26,224; July 17.
Royal Muslin. For Muslin. Isser Reznik's Sons. 26,234; July 17.
Salem. For Pears. Northwest Fruit Products Company. 26,243; July 17.
Scout Notes. For Blank Notebooks and Memorandum Pads. H. J. Lichtenberger. July 17.
Seaside. For Gasoline. Seaside Oil Company. 26,245; July 17.
Southern Style Moist Sweetened Coconut. For Prepared Coconut. Franklin Baker Co. 26,225; July 17.
State Line. For Early June Peas. South Chicago Wholesale Grocery and Produce Company. 26,247; July 17.
Stormshield Liquid, The Roof that's Waterproof. For Protective Coatings for Roofs and the Like. F. I. Siegel & Son. 26,246; July 17.
"Toot Sweet" Marshmallow Fluff. For Marshmallow Fluff. Durkee-Mower & Co. 26,223; July 17.
Tropical Fruit. For Gum. Oakland Gum Company. 26,244; July 17.
White Circle, The Soap That Cleans So Clean. For Soap. J. Dietrich & Company. 26,222; July 17.

ALPHABETICAL LIST OF PRINTS.

Beauty That Lures. For Palmolive Soap. Palmolive Company. 6,827; July 17.
Could This Be You In These Hopelessly Old Style Clothes? For Papeteries. Eaton, Crane & Pike Company. 6,821; July 17.
Double-in Twist Cloth. For Clothing. Bonded Tailoring Co. 6,819; July 17.
Fit-Rite. For Shoe and Slipper Trees. James N. Mayhew Co. 6,823; July 17.
Flexible Bend Like Birch Boughs. For Shoes. Trail Moc Shoe Company. 6,828; July 17.
Lowney's Chocolates. For Chocolate Products, Including Particularly Lowney's Chocolates. Walter M. Lowney Company. 6,822; July 17.
N. For Batteries and Electrical Apparatus. D. Neal. 6,824; July 17.
Sunburn Hurts! Unguentine Heals! For Unguentine. Norwich Pharmacal Company. 6,825; July 17.
The Aristocrats of Credit Jewelers. For Jewelry and Silverware. Olsen & Ebann. 6,826; July 17.
Take One Home—Slice it! For Baffle Bar Candy. Cardinet Candy Company. 6,820; July 17.

CLASSIFIED LIST OF TRADE-MARK TITLES.

PUBLISHED FOR OPPOSITION.

[Act of Feb. 20, 1905, Sec. 6, as amended Mar. 2, 1907.]

CLASS 1.

Calfskins. Finished upper-leather. C. D. Brown & Co. 178,160–1; July 17.
Coal. Harrisburg Coal Mining Company. 176,624; July 17.
Coal. Reeves Coal and Dock Co. 164,194; July 17.
Hops. J. Sonnenschein Hop Company. 173,148; July 17.
Lamp shades of fibrous material. R. Beardsley. 174,997; July 17.
Leather. A. A. Williams. 178,421; July 17.
Logs. Delta Export Lumber Corporation. 178,497; July 17.
Packing pads. H. W. Selle & Co. 178,474; July 17.
Shell. E. H. Wardwell. 175,331; July 17.
Trees, plants, shrubs, and bushes. F. M. Edwards. 178,831; July 17.

CLASS 2.

Boxes. Superior Distributing Co. 173,340; July 17.
Boxes, Tobacco, cigar, and cigarette. Lebwohl & Mindich. 166,950; July 17.
Tanks, Septic. Keynote Manufacturing Co. 176,480; July 17.

CLASS 5.

Glue and gelatins. Röhm & Haas Aktiengesellschaft. 164,196; July 17.
Glue products. I. I. Slomon. 171,555; July 17.

CLASS 6.

Alcohol, skin cleanser, hair tonic, etc., Rubbing and massage. Mihalovitch Co. 178,267; July 17.
Aspirin. William A. Webster Company. 152,294; July 17.
Biotherapeutic and opotherapeutic products. A. B. Adams. 176,008; July 17.
Butter coloring. Dyestuffs & Chemicals. 176,700; July 17.
Chemical preparations. Deutsche Gold and Silber Scheideanstalt, formals Roessler. 167,842; July 17.
Coloring and flavoring for food products, etc., Combined. B. Heller & Company. 174,304; July 17.
Cream and rouge, toilet water, etc., Facial. B. B. Forquer. 159,862; July 17.
Creams, face powder, rouges, etc., Cold and dry. M. C. Murphy. 168,426; July 17.
Creams for eczema, Healing. St. Firo Remedy Co. 143,464; July 17.
Dentifrice. M. W. Kent. 178,724; July 17.

PUBLISHED FOR OPPOSITION.

[Act of Feb. 20, 1905, Sec. 6, as amended Mar. 2, 1907.]

Drying liquid composition of matter for rendering paper transparent. S. H. Parrish Company. 176,646; July 17.
Glycerin. Proctor and Gamble Company. 177,908; July 17.
Hair dressings, Liquid, cream, and pomade. G. M. Miller. 176,905; July 17.
Hair grower. L. McKoin. 177,858; July 17.
Hair tonics, shampoo jelly, face creams, etc. C. W. Price. 177,020; July 17.
Insecticide for killing moths and carpet beetles. B. Heller & Company. 174,301; July 17.
Insecticides. I. Hollander. 178,388; July 17.
Laxative preparations. J. F. Hrejsa. 177,972; July 17.
Medical preparation. Eli Lilly & Company. 159,212; July 17.
Medicinal and laxative tablets. Tanner & Poindexter. 175,276; July 17.
Medicinal preparation. Armour and Company. 178,702; July 17.
Medicinal preparation. Blue Bird Remedy Co. 178,022; July 17.
Medicine for rheumatism and backache. L. Kaletzky. 178,344; July 17.
Medicine known as a blood purifier and body builder. W. F. Rett. 178,284; July 17.
Moth-preventive compound. W. R. Griffin. 167,720; July 17.
Ointment for nervous itching and a general healing ointment. J. D. Brown. 174,765; July 17.
Perfumes, toilet waters, face powders, etc. Societe Anonyme Parfumerie Violet. 178,144; July 17.
Pharmaceutical preparations. Medoc Distributing Company. 143,773; July 17.
Physiological nutritive salts. J. F. Beerli. 177,894; July 17.
Powder, Antiseptic foot. P. L. Tarara. 178,072; July 17.
Powder, Foot. Odex Products Company. 178,767; July 17.
Preparation for bathing and massaging. F. Bornn. 174,425; July 17.
Preparation for the hair. Aktiengesellschaft für chemische Produkte, vormals H. Scheidemandel. 171,566; July 17.
Preparation for the removal of dandruff and treatment of scalp and skin diseases. T. S. Williams. 179,636; July 17.
Radioactive reconstituent. A. Gazzoni & C. 11 Gerente. 173,385; July 17.
Remedy for the treatment of goiter. Reese Chemical Company. 178,359; July 17.
Salt. Bevis Rock Salt Co. 176,109–11; July 17.
Shampoo cream. M. B. Horner. 178,613; July 17.
Tooth paste, mouth wash, gum massage, etc. Edral Company. 178,238; July 17.
Yeast vitamine products. Northwestern Yeast Company. 177,318; July 17.

CLASS 9.

Shotguns. J. Stevens Arms Company. 159,189; July 17.

CLASS 12.

Brick, Fire and other. American Arch Company. 158,967; July 17.
Cement and concrete blocks, bricks, and building units. R. E. White. 178,200; July 17.
Floors and pavements, coating, mastics, etc., for same. Jennison-Wright Co. 131,736; July 17.
Material, Composite. Continental Fibre Company. 174,236; July 17.
Paper, tar felt, and asphalt shingles, Sheathing, etc. Highland Lake Paper Company. 178,611; July 17.
Pavements and floors and materials therefor. Jennison-Wright Co. 131,735; July 17.
Refractory linings for forges, smelters, etc., Refractory bricks, cements, etc. Vitrefrax Company. 170,416; July 17.
Roofing materials. Oertel Roofing Manufacturing Company. 162,442; July 17.
Roofing, Ready felt. Barrett Company. 168,508; July 17.
Structural members. Bethlehem Fabricators, Inc. 167,795; July 17.

CLASS 15.

Fuels, Motor. F. J. Abbott. 180,406-8; July 17.
Gasoline, kerosene, lubricating oils, petroleum distillate. Snowolene Holding Company. 180,248; July 17.
Grease, Axle. Pure Oil Company. 178,133; July 17.
Oil, Cylinder. Pure Oil Company. 178,121; July 17.
Oil, Farm-machinery-lubricating. Pure Oil Company. 178,125; July 17.
Oil for hand separators, Lubricating. Pure Oil Company. 178,123; July 17.
Oil, Graphite farm-machinery. Pure Oil Company. 178,124; July 17.
Oil, Hard. Pure Oil Company. 178,134; July 17.
Oil, Petroleum. Standard Oil Company of New York. 172,242; July 17.

CLASS 16.

Carbon black. Godfrey L. Cabot, Inc. 176,065; July 17.
Paint and paint enamel for furniture, Roofing. F. O. Schoedinger. 172,185; July 17.
Paint, Boat. Westcott, Slade and Balcom Company. 178,647; July 17.
Paint, Ready-mixed. American Asphalt Paint Co. 178,017; July 17.
Paints, varnishes, paint enamels. C. Drabek. 165,858; July 17.
Polish, Furniture and automobile. Larson-Sorahan Co. 177,563; July 17.

CLASS 17.

Cigars. John C. Herman & Company. 179,599; July 17.

CLASS 19.

Automobile accessories. Haines Manufacturing Corporation. 178,841; July 17.
Automobile accessories, Fabric covers for. Atlas Specialty Manufacturing Company. 174,057; July 17.
Automobile bodies, Commercial. Mifflinburg Body Company. 177,448; July 17.
Automobiles and other vehicles, Grips for steering wheels of. W. F. Ridge. 174,261; July 17.
Automobiles, Glass curtain lights and frames for. E. W. Hornung. 169,904; July 17.
Automobiles, Hydraulic shock absorbers for. Lovejoy Manufacturing Company. 177,090–1; July 17.
Bumpers. C. G. Spring Company. 179,705–7; July 17.
Cars, Motor. Ford Motor Company. 179,014; July 17.
Engines, Radiator shutters for internal-combustion. Irving Engineering-Sales Co. 167,722; July 17.
Motor cycles and bicycles. Excelsior Motor Mfg. and Supply Co. 167,718; July 17.
Rowboats, Sheet-metal sectional. Alfred C. Goethel Co. 176,617; July 17.
Spring covers and grease boots. David Feinberg Company. 177,286; July 17.
Trucks, Pie, cooky, and bread rack, proof-box, etc. Union Steel Products Company. 178,008; July 17.
Vehicles and parts thereof, Metal disk for motor. Wire Wheel Corporation of America. 178,793; July 17.
Vehicles, Used and secondhand motor. Sterrett & Fleming, Incorporated. 176,369; July 17.
Wheels of automobiles and industrial-cars. Ellis Resilient Wheel Corporation. 178,239; July 17.

CLASS 22.

Bats, Baseball. Hillerich & Bradsby Co. 180,430; July 17.
Game. Alderman, Fairchild Co. 178,423; July 17.
Game. Alderman, Fairchild Company. 181,050; July 17.
Game, Card. E. G. Sloman. 177,143; July 17.
Games and parts thereof. Pung-Chow Company. 179,955–6; July 17.

CLASS 23.

Beaters and mixers, Cake. J. A. Swope, jr. 177,333; July 17.
Can openers. Star Can Opener Company. 180,307; July 17.
Carburetors. G. G. Brown. 179,774; July 17.
Corn shellers. Joliet Manufacturing Company. 180,223; July 17.
Drills, Hand. Red Head Manufacturing Company. 179,820; July 17.
Roasters and parts and supplies for same. Jabez Burns & Sons. 180,325; July 17.

CLASS 26.

Ophthalmic mountings and parts thereof. Willson Goggles, Inc. 180,403; July 17.

CLASS 29.

Brushes. McKesson & Robbins Inc. 177,502; July 17.
Brushes, Shaving. Rubber & Celluloid Products Company. 179,962; July 17.

CLASS 31.

Ice-cream freezers. Steinfeld Inc. 178,574; July 17.
Refrigeration cabinets. I. C. Refrigeration Co. 180,477; July 17.

CLASS 34.

Dampers, soldering furnaces, etc., Stove. F. O. Schoedinger. 172,183; July 17.
Furnaces, etc., Oil-burning equipment. Mahr Manufacturing Company. 172,683; July 17.
Kerosene-gas-making appliances. Gloria Light Co. 171,123; July 17.
Kilns, Dry. Hunter Dry Kiln Company. 175,354; July 17.
Oil-burning appliances. Aeroil Burner Company. 169,840; July 17.
Ranges and broilers, etc., Coal and gas combination. W. F. Dougherty & Sons, Incorporated. 177,774; July 17.

PUBLISHED FOR OPPOSITION.

[Act of Feb. 20, 1905, Sec. 6, as amended Mar. 2, 1907.]

CLASS 35.

Automobile accessories. J. N. Gold. 164,431; July 17.
Belting, hose, packing. Warren & Bailey Co. 172,246; July 17.
Packing rings. Johns-Manville, Inc. 171,540; July 17.
Tires and inner tubes. Republic Rubber Company. 181,867; July 17.
Tires, Rubber and fabric. Brunswick-Balke-Collender Company. 177,951; July 17.

CLASS 37.

Paper, paper napkins, towels, and tablecloths, Toilet. Fort Howard Paper Company. 180,971–2; July 17.
Paper, Writing. Fox River Paper Company. 180,975; July 17.
Paper, Writing and bond. Becker Paper Corporation. 178,208; July 17.
Papers, bristol board, cardboard. J. W. Butler Paper Co. 179,926; July 17.
Pens, Fountain. Salz Brothers Inc. 162,073; July 17.

CLASS 39.

Apparel, Women's wearing. A. H. Flanders Company. 172,269; July 17.
Aprons. R. H. Macy & Co. 174,524; July 17.
Bathing capes. Chesapeake Weaving Mills, Inc. 177,121; July 17.
Brassières. R. & R. Underwear. 172,013; July 17.
Brassières, bandeaux, girdles, corsets, etc. Frolaset Corset Co. 173,823; July 17.
Cloaks, suits, and coats, Women's. Miltex Cloak & Suit Co. 176,030; July 17.
Collars. Cluett, Peabody & Company. 176,451; July 17.
Corsets, corset waists, brassières, etc. American Lady Corset Company. 179,916; July 17.
Cravats. Willow Weaving Co. 179,576; July 17.
Dresses, Apron. N. Simon & Co. 179,748; July 17.
Fur coats, wraps, capes, and neck pieces. H. Uswald. 155,576; July 17.
Garments, Knitted outer. Allandale Knitting Mills, Inc. 176,244; July 17.
Hosiery. A. L. Horst. 176,547; July 17.
Hosiery. Wilson Brothers. 135,121; July 17.
Hosiery, gloves, underwear. E. Leñ. 160,016; July 17.
Hosiery, underwear, sweaters, gloves, and mittens. E. Heathcote. 176,465; July 17.
Overcoats and topcoats. Hickey-Freeman Co. 177,377; July 17.
Overcoats, raincoats, house coats, etc. Heidelberg, Wolff & Co. 179,722; July 17.
Robes, Men's. Lewis-Wise Co. 179,873; July 17.
Shirts and pants, Men's and boys' work and flannel. Rouse, Hempstone & Co. 158,451; July 17.
Shirts, Men's. Fessenden Shirt Co. 171,491; July 17.
Shoes. Lord & Taylor. 176,486; July 17.
Shoes. Majestic Shoe Company. 176,412; July 17.
Shoes. Robt. J. Sadler Shoe Co. 174,978; July 17.
Skirts, Outer. Florabelle Dressmakers, Inc. 171,310; July 17.
Suits, Men's and young men's. J. L. Hudson Co. 171,846; July 17.
Suits, overcoats, and hats, Men's and boys'. L. Klein, Inc. 174,309; July 17.
Suits, topcoats, pants, etc., Men's, young men's, and boys' outer. Majestic Clothing Company. 181,431; July 17.
Underwear and sleeping suits, Misses' and children's knitted. Everett Knitting Works. 177,904; July 17.
Underwear and undershirts, princess slips for women, Knit. Maline Mills. 168,478; July 17.
Underwear, hosiery, and sweaters. J. B. Hirshfeld. 176,184; July 17.
Underwear, Ladies' cotton knit. J. L. Miller. 179,946; July 17.
Underwear of knitted and textile fabric for females. Martha Maid Manufacturing Company. 178,084; July 17.
Underwear, wrappers, and bands, Infants' knitted. Everett Knitting Works. 177,903; July 17.
Uniforms. C. D. Randles. 158,895; July 17.

CLASS 40.

Stilettos, hooks and eyes, corset eyes, snap fasteners, etc., Bone. William Prym Company. 148,615; July 17.

CLASS 42.

Bed coverings, sheetings, pillowcases, etc. F. W. Hillig. 161,550; July 17.
Cotton and woolen piece goods and mixtures of the same in the piece. Atlantic Mills. 177,947; July 17.
Cotton, duck, and canvas piece goods. J. Elnstein, Inc. 180,793; July 17.
Cotton fabrics in the piece, Woven. G. A. Stafford. 135,737; July 17.
Cotton fabrics, Textile. Amory, Browne & Co. 181,103; July 17.
Cotton fabrics, Woven. Roanoke Mills Company. 175,439; July 17.
Cotton piece goods. African & Eastern Trading Co. 175,230; July 17.
Cotton piece goods. Cohn Hall Marx Co. 180,963; July 17.
Cotton piece goods. Millidale Textiles Corporation. 181,032; July 17.
Cotton piece goods. Taylor, Clapp & Beall. 181,048; July 17.
Cotton piece goods, Printed, bleached, gray, etc. Neuss, Hesslein & Co. 180,882; July 17.
Cotton, silk, linen, etc., goods in the piece. Jacob Miller's Sons Co. 181,033–4; July 17.
Cotton, silk, linen, etc., goods in the piece. Jacob Miller's Sons Co. 181,036–7; July 17.
Fabric composed entirely of wool or other animal fibers. S. Stroock & Company. 181,225; July 17.
Knitted silk fabrics. Banner Silk Knitting Mills, Inc. 180,781; July 17.
Knitted silk fabrics. Banner Silk Knitting Mills, Inc. 180,783–4; July 17.
Sateen piece goods. Voss & Stern. 179,693; July 17.
Shirtings. W. Harris Thurston & Co. 160,100; July 17.
Silk fabrics. Corticelli Silk Company. 180,590; July 17.
Silk fabrics. Golding Fabrics Corporation. 180,859; July 17.
Silk fabrics. Golding Fabrics Corporation. 181,181; July 17.
Silk fabrics. Golding Fabrics Corporation. 181,183; July 17.
Silk fabrics in the piece. Cheney Brothers. 181,061; July 17.
Silk piece goods. Duplan Silk Corporation. 181,255–60; July 17.
Silk piece goods. Empire Silk Company. 181,178; July 17.
Tablecloths, napkins, scarfs, etc. F. W. Hillig. 161,549; July 17.
Tire fabrics in the piece. Salmon Falls Manufacturing Company. 179,323; July 17.
Woolen piece goods. Atlantic Mills. 177,946; July 17.
Woolen piece goods. Farnsworth Mills Inc. 180,969; July 17.
Worsted yarn fabric known as reps. Botany Worsted Mills. 179,987–8; July 17.

CLASS 43.

Yarn. C. D. Newell. 177,420; July 17.

CLASS 44.

Bottles, fountain syringes, etc., Water. Independent Drug Company. 181,279; July 17.
Nail files, toilet tweezers, nail and cuticle nippers. Marshall Field & Company. 181,270; July 17.
Pads, elastic bandages, etc., Hip and kidney. James W. Brine Company. 172,578; July 17.

CLASS 45.

Beverage sold as a soft drink. W. McKee. 179,876; July 17.
Beverage sold as a soft drink and a compound for making same. Beverage Extract Company. 179,513; July 17.
Beverage sold as a soft drink and sirups for making the same. C. G. Dillon. 179,590; July 17.
Drinks, Nonalcoholic maltless soft. J. F. Lazier Mfg. Co. 178,745; July 17.
Soda water and beverages sold as soft drinks. Vacuum Water Company. 165,646; July 17.

CLASS 46.

Apples, Fresh-boxed. R. J. Graham. 171,536; July 17.
Candies. Peterkin Company. 174,485; July 17.
Candy. A. D. Flynn. 178,601–2; July 17.
Candy. Huyler's. 171,172; July 17.
Candy. National Candy Company. 172,549; July 17.
Candy bar. Hoffman Candy Co. 178,343; July 17.
Canned fish. Altoona Packing Company. 178,542; July 17.
Canned fruit and vegetables and dried fruit. Barron-Gray Packing Co. 177,818; July 17.
Canned fruits and vegetables. J. F. Butts Co. 178,551; July 17.
Coffee. George C. Buell & Co. 178,819; July 17.
Fish which have been subjected to a pickling solution, Fresh. Whitman, Ward & Lee Co. 176,147; July 17.
Flour, Wheat. Goerz Flour Mills Co. 152,796; July 17.
Fruit, Preserved. Keystone Fruit Products Company. 177,607; July 17.

PUBLISHED FOR OPPOSITION.

[Act of Feb. 20, 1905, Sec. 6, as amended Mar. 2, 1907.]

Fruits, Fresh citrous. Richardson-Marsh Corporation. 178,867; July 17.
Ice cream. George K. Brown Co. 164,576; July 17.
Mustard vinegar, tomato catchup, coffee, etc., Prepared. A. B. Gray. 177,485; July 17.
Onions. W. R. Wedrick. 177,941; July 17.
Potatoes and head lettuce. Johnson, Young & Hamilton. 171,849; July 17.
Tea. Fantea Company. 178,335; July 17.

CLASS 50.

Images, bric-a-brac, statuary, etc. E. M. Viquesney. 170,228; July 17.
Signs. Brown & Bigelow. 160,745; July 17.
Tents, tent flies, tarpaulins, etc. Canvas Products Company. 174,065; July 17.
Tents, tent flies, tarpaulins, etc. Canvas Products Company. 174,068; July 17.
Waterproofed fabrics in the piece. Nicholson's Raincoat Co. 176,497; July 17.

ALPHABETICAL LIST OF PATENTEES

TO WHOM

PATENTS WERE ISSUED ON THE 17TH DAY OF JULY, 1923.

NOTE.—Arranged in accordance with the first significant character or word of the name (in accordance with city and telephone directory practice). **Includes patents, reissues, and designs.**

Aarons, Abraham, New York, N. Y. Canopy for lighting fixtures. Des. 62,661; July 17.

Aarons, Abraham, New York, N. Y. Lighting fixture. Des. 62,660; July 17.

Accola, Lorenz C., Canton, Mo. Trap. 1,461,743; July 17.

Acheson, Thomas F. (See Parker, Fred J., assignor.)

Adam, Harry C., St. Louis, Mo. Holder for illuminating glassware. Des. 62,662; July 17.

Adam, Harry C., St. Louis, Mo. Lighting fixture. Des. 62,666; July 17.

Adams, William R., Plainfield, and H. L. Pound, North Plainfield, N. J., assignors to International Motor Company, New York, N. Y. Fixture for turning machines. 1,461,884; July 17.

Aikman, Burton S., assignor to National Brake & Electric Company, Milwaukee, Wis. Pumping system. 1,462,159; July 17.

Aisenstein, William, assignor to Wilmort Manufacturing Company, Chicago, Ill. Crumb sweeper. 1,461,814; July 17.

Akey, Meader R., Sacramento, and H. Katz, Oakland, Calif. Bending machine. 1,462,315; July 17.

Aktiengesellschaft Brown Boveri & Cie. (See Jonas, J., and Seitz, assignors.)

Albright, Warren W., et al. (See Riddel, Sherrod, assignor.)

Alexander, Harry H., Westfield, N. J., assignor to American Smelting and Refining Company, New York, N. Y. Recovering tin from impure ores. 1,461,957; July 17.

Allcutt, Chester T., Wilkinsburg, Pa., assignor to Westinghouse Electric and Manufacturing Company. Lightning arrester. Re15,653; July 17.

Allen & Co. (See Rappleye, Frank A., assignor.)

Allison Bishopric. (See Cooper, Simon, assignor.)

Alquist, Karl, New York, N. Y. Gearing for marine propulsion and the like. 1,462,316; July 17.

American Automatic Train Control Corporation. (See Rudolph, Harold V., assignor.)

American Creosoting Company. (See Austin, H. E., and Cook, assignors.)

American Engineering Company. (See James, George H., assignor.)

American Smelting and Refining Company. (See Alexander, Harry H., assignor.)

American Telephone and Telegraph Company. (See Parker, R. D., and Hamilton, assignors.)

American Telephone and Telegraph Company. (See Sultzer, Morton, assignor.)

Amor, Reginald P. R., Leytonstone, London, England. Portable casing for talking machines. 1,461,859; July 17.

Anaconda Copper Mining Company. (See Laist, Frederick, assignor.)

Anchelevich, Max, Evansville, Ind. Automobile radiator-repair device. 1,462,360; July 17.

Andersen, Christopher C., Salt Lake City, Utah. Electric starter. 1,461,996; July 17.

Anderson, George H., Kalamazoo, Mich. Automatic valve means. 1,461,885; July 17.

Anthony, Marcus O., Cleveland, Ohio, assignor to Continental Engineering Corporation, Omaha, Nebr. Rotary valve. 1,462,160; July 17.

Apgar, Stanley, assignor to Taylor-Wharton Iron and Steel Company, High Bridge, N. J. Heat treatment of light castings. 1,462,460; July 17.

Apple, Grover C., Greensboro, N. C. Cap. 1,462,438; July 17.

Applegate, H. W. (See Shaw, John T., assignor.)

Armstrong Farm Tractor Company. (See Armstrong, William A., assignor.)

Armstrong, Frank H., Auburn, assignor to Corona Typewriter Company, Inc., Groton, N. Y. Segment carrier for typewriting machines. 1,461,717; July 17.

Armstrong, Frank H., Auburn, assignor to Corona Typewriter Company, Inc., Groton, N. Y. Typewriting machine. 1,461,718; July 17.

Armstrong, Frank H., Auburn, assignor to Corona Typewriter Company, Inc., Groton, N. Y. Typewriting machine. 1,461,719; July 17.

Armstrong, Frank H., Auburn, assignor to Corona Typewriter Company, Inc., Groton, N. Y. Typewriting machine. 1,461,720; July 17.

Armstrong, William A., Waco, Tex., assignor to Armstrong Farm Tractor Company, Dallas, Tex. Tractor. 1,461,997; July 17.

Arnold, Frank O., Duluth, Minn. Coupling. 1,461,958; July 17.

Aronson, Louis V., Newark, N. J. Whirligig. 1,462,317; July 17.

Aronson, Saul. (See Wilkinson, E. E., and Aronson.)

Arrowsmith, Robert, Homestead, Mont. Shock absorber. 1,461,959; July 17.

Artman, Joseph H., Laurel, Nebr. Automatic stock fountain. 1,461,744; July 17.

Ashbrooke, John T., New York, N. Y., assignor to The Bonnie-B Company, Inc. Display cabinet. Des. 62,663; July 17.

Atack, Frederick W., Charleston, W. Va. Purifying anthraquinone and its derivatives. 1,461,745; July 17.

Augustine, Addison E., Hackensack, N. J., assignor to Chester Machine Co. Inc., New York, N. Y. Removable drying-chain mechanism for envelope-making machines. 1,461,746; July 17.

Austin, Harold E., Louisville, Ky., and J. C. Cook, Jeffersonville, Ind., assignors to American Creosoting Company, Louisville, Ky. Running gear for wheeled vehicles. 1,462,255; July 17.

Auto Specialties Manufacturing Company. (See Duffy, Thomas I., assignor.)

Automatic Electric Company. (See Nelson, Martin L., assignor.)

Automatic Electric Company. (See Setter, Micheal, assignor.)

B. and B. Manufacturing Company. (See Balthasar, Harry G., assignor.)

Babbitt, Isaac N. (See Smith, Frederick G., assignor.)

Bacon, Frederick J. (See Winship, E. O., and Bacon.)

Baitz, George F., Philadelphia, Pa. Combination display and vending device. 1,462,024; July 17.

Baldwin, John L., Washington, D. C. Scaffold. 1,462,439; July 17.

Balthasar, Harry G., assignor to B. and B. Manufacturing Company, St. Louis, Mo. Whistle. 1,462,161; July 17.

Banks, Joseph L., Baltimore, Md. Heat transmission. 1,462,079; July 17.

Barks, Frank S., assignor to Lincoln Steel and Forge Company, St. Louis, Mo. Mine-car coupler. 1,462,188; July 17.

Barnes, Wallace Company, The. (See Cook, Raymond W., assignor.)

Barney, Louis D., Chicago, Ill. Lawn sprinkler. 1,462,256; July 17.

Baroody, Assad M., Danville, Va. Milk-bottle closure. 1,462,462; July 17.

Basel, Frank, assignor of one-half to P. Halloran, Minneapolis, Minn. Convertible valley and hip composition shingle. 1,461,886; July 17.

Bastian-Blessing Company, The. (See Bastian, Charles L., assignor.)

Bastian, Charles L., assignor to The Bastian-Blessing Company, Chicago, Ill. Sirup jar. 1,461,960; July 17.

Bates, James N. (See Knowles, M. M., and Bates.)

Baudot, Joseph, Paris, France. Pump, compressor, and motor. 1,461,998; July 17.

Bauman, Arthur E., Akron, Ohio. Spring tire. 1,462,440; July 17.

Bausert, Harold C., Brooklyn, N. Y. Electric cooker and melting pot. 1,462,224; July 17.

Beard, Lawrence O., Lancaster, Pa. Micrometer caliper. 1,462,130; July 17.

Bechtold, William S., Newark, N. J. Mirror, brush, or similar article. Des. 62,664; July 17.

Beck, Fritz, Nuremberg, Germany. Cerium pocket lighter. 1,462,191; July 17.

Beck, William M., Elwood, Ind. Track device for automatic train control. 1,461,792; July 17.

Beeby, John H., Ottawa, Ontario, Canada. Oven. 1,461,999; July 17.

Beisel, William J., Port Richmond, N. Y. Spring wheel. 1,462,441; July 17.

Bennett, Alexander M., Bellaire, assignor to F. Bennett, Pontiac, Mich. Splint. 1,462,000; July 17.

Bennett, Frank. (See Bennett, Alexander M., assignor.)

Benson, Carl, Youman, Colo. Sickle hanger. 1,462,001; July 17.

Bentz, Harry, Montclair, N. J. Drying apparatus. 1,462,025; July 17.

Bergstein, Samuel, assignor to Interstate Folding Box Company, Middletown, Ohio. Paper folding box. 1,461,961; July 17.
Berkeley, Laurence J., Milwaukee, Wis., assignor to The P & M Company, Chicago, Ill. Rail anchor. 1,462,162; July 17.
Bevan, Alexander, Providence, R. I. Egg beater. 1,461,962; July 17.
Beyl, Emil A., Minneapolis, Minn. Backstop for elevators and the like. 1,462,318; July 17.
Bice, Ivor C., Clandeboye, Ontario, Canada. Safety crank. 1,462,002; July 17.
Bieneck, Joseph, San Antonio, Tex. Trench defense. 1,461,963; July 17.
Bioscope Improvements Limited. (See Way, Edward J., assignor.)
Bird, Ralph B., Oakland, Calif. Hand roller. 1,461,815; July 17.
Birhanzl, Otto W., assignor to The Warner and Swasey Company, Cleveland, Ohio. Flexible guard for machine tools. 1,461,887; July 17.
Black, Wesley A., Spartanburg, S. C. Slasher. 1,462,442; July 17.
Blackwood, Harry L., Salem, Oreg. Vaporizer for liquid fuel. 1,462,361; July 17.
Bland, Silas Z., Neoga, Ill. Timing device for cream testers. 1,461,964; July 17.
Bleecker, Warren F., Boulder, Colo. Impervious material and its production. 1,462,003; July 17.
Bohlin, Arvid, Trenton, N. J. Knife sharpener. 1,462,080; July 17.
Bohner, Clyde C., Chicago, Ill., assignor to General Electric Company. Glassworking mold. 1,462,362; July 17.
Bohr, Henry B., assignor to The Julian & Kokenge Company, Cincinnati, Ohio. Shoe. 1,461,793; July 17.
Bolte, Joseph G., Davenport, Iowa. Tractor steering mechanism. 1,461,965; July 17.
Bonnet, François, Villefranche-sur-Saone, France. Molding apparatus for compressed blocks. 1,461,860; July 17.
Bonney, George C. (See MacBride, G. W., and Bonney.)
Bonnie-B Company, The. (See Ashbrooke, John T., assignor.)
Bonsall, Charles D., Pittsburgh, assignor to P. H. Murphy Company, New Kensington, Pa. Car roof. 1,461,721; July 17.
Boone, Clarence E., Long Beach, Calif. Wave motor. 1,461,747; July 17.
Booth, William T., East Orange, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y. Protective device. 1,462,026; July 17.
Boyce, Harrison H., Forest Hills, N. Y. Water-level indicator for automobile radiators. 1,461,722; July 17.
Boyer, Oliver, Spenderville, Ohio. Corn husker. 1,461,748; July 17.
Bradley, C. E., Corporation. (See La Sares, George C., assignor.)
Brady, Frank, Denver, Colo. Hydrocycle. 1,462,027; July 17.
Braff, Joseph. (See Braff, Theodor, assignor.)
Braff, Theodor, Vienna, Austria, assignor of one-half to J. Braff, Cleveland, Ohio. Food product and making same. 1,462,163; July 17.
Brazee, Raymond L., assignor to The Hampden Toy Company, Westfield, Mass. Folding lunch box. 1,462,225; July 17.
Breeden, Howard H., Millville, N. J. Safety device for inflating pneumatic tires. 1,462,081; July 17.
Brewster, Harry C., Shreveport, La. Drilling machine. 1,462,098; July 17.
Bridgeport Brass Company. (See Clark, Walter R., assignor.)
Brill, J. G., Company, The. (See Dennis, Charles F., assignor.)
Britten, Edwin F., jr., Maplewood, N. J., assignor to Monroe Calculating Machine Company, New York, N. Y. Carry mechanism for registers. 1,462,058; July 17.
Britten, Edwin F., jr., Maplewood, N. J., assignor to Monroe Calculating Machine Company, New York, N. Y. Automatic carriage-raising means for calculating machines. 1,462,059; July 17.
Britten, Edwin F., jr., Maplewood, N. J., assignor to Monroe Calculating Machine Company, New York, N. Y. Carry-set mechanism for calculating machines. 1,462,060; July 17.
Britten, Edwin F., jr., Maplewood, N. J., assignor to Monroe Calculating Machine Company, New York, N. Y. Overthrow check for calculating machines. 1,462,061; July 17.
Britton, George W. (See Sweet, M. A., and Britton.)
Brock, Max, assignor to I. B. Kleinert Rubber Company, New York, N. Y. Powder puff. 1,462,258; July 17.
Brock, Max, assignor to I. B. Kleinert Rubber Company, New York, N. Y. Powder puff. 1,462,259; July 17.
Brock, Max, assignor to I. B. Kleinert Rubber Company, New York, N. Y. Powder puff and cover therefor. 1,462,257; July 17.
Brock, Max, assignor to I. B. Kleinert Rubber Company, New York, N. Y. Powder puff. 1,462,260; July 17.
Brooke, George A., jr., Germantown, Pa. Automatic pressure control. 1,462,164; July 17.
Brooker, Henry T., Southend-on-Sea, England. Apparatus for playing race games. 1,462,189; July 17.
Brookman, John H., et al. (See Slauson, Stephen A., assignor.)
Brooks, James G., Omaha, Nebr. Floor waxer and polisher. 1,461,723; July 17.
Brooks, Lewis C., assignor, by mesne assignments, to The National Paper Can Company, Milwaukee, Wis. Paper can or carton. 1,462,443; July 17.
Brophy, John P., Cleveland, Ohio. Signal device for vehicles. 1,462,319; July 17.
Brown, Charles H., Breckenridge, Tex., Fishing tool. 1,462,099; July 17.
Brown, Harry M., New Kensington, Pa. Car coupler. 1,462,190; July 17.
Browning, George M., New York, N. Y. Toothpick and making same. 1,462,062; July 17.
Brunswick-Kroeschell Company. (See Whitaker, Richard, assignor.)
Bryan, George A., Peru, Ind., assignor to Bryan Harvester Company. Liquid-fuel burner. 1,462,261; July 17.
Bryan Harvester Company. (See Bryan, George A., assignor.)
Bryant, John P., Chicago, Ill. Eyelet tack. 1,462,262; July 17.
Buckingham & Hecht. (See Wiel, Eli H., assignor.)
Burbridge, Frank, Marston, near Northwich, England. Glare-preventing device for lamps. 1,461,749; July 17.
Burch, Julius G. (See Leidecker, J. M., and Burch.)
Burkley, Clem J. (See Carlton, B. B., and Burkley.)
Burnham, Locke H., Pittsfield, Mass., assignor to General Electric Company. Method and means for cooling electrical apparatus. 1,462,321; July 17.
Burrows, Robert J., assignor to Clark Equipment Company, Buchanan, Mich. Wheel. 1,461,888. July 17.
Burrows, Robert J., assignor to Clark Equipment Company, Buchanan, Mich. Vehicle wheel. 1,461,889; July 17.
Busch, Conrad J., Wyomissing, assignor to The Narrow Fabric Co., West Reading, Pa. Trimming for garments and similar articles. Des. 62,665; July 17.
Bush, William P. (See Crooms, Louise J. P., assignor.)
Butterfield, Charles, assignor to The Interstate Folding Box Company, Middletown, Ohio. Machine for making paper folding boxes and the like. 1,461,966; July 17.
Butterfield, Charles, assignor to The Interstate Folding Box Company, Middletown, Ohio. Making paper folding boxes or the like. 1,461,967; July 17.
Buttner, William C., Chicago, Ill. Bottle cap. 1,462,165; July 17.
Caldwell, Frank B., Oak Park, assignor to H. W. Caldwell & Son Company, Chicago, Ill. Conveyer-coupling means. 1,462,461; July 17.
Caldwell, H. W., & Son Company. (See Caldwell, Frank B., assignor.)
Caloroil Burner Corporation. (See Grant, Albert E., assignor.)
Caproni, Gianni, Milan, Italy. Device for determining the course on flying machines. 1,462,100; July 17.
Carlson, Jalmar A., Stambaugh, Mich. Emergency fuel tanks for automobiles. 1,461,890; July 17.
Carlton, Basil B., and C. J. Burkley, assignors to The Goodyear Tire & Rubber Company, Akron, Ohio. Screening device. 1,462,469; July 17.
Caron, Napoleon, assignor to Nashua Manufacturing Company, Nashua, N. H. Weft-replenishing loom. 1,461,861; July 17.
Casciotta, Giuseppe, New York, N. Y. Plectrum piano action. 1,462,444; July 17.
Casoletti, Vittorio, Turin, Italy. Coffee making or brewing machine. 1,462,322; July 17.
Carey, Frank B., Fresno, Calif. Flytrap. 1,462,004; July 17.
Carr, David M., Brooklyn, N. Y. Siphon apparatus. 1,462,082; July 17.
Cavanagh, Edward M., and R. E. McFarlane, Ottawa, Ontario, Canada. Air brake for trains. 1,461,968; July 17.
Cederquist, Nils H., Los Angeles, Calif. Adjustable propeller ferrule and wood-holding device. 1,462,083; July 17.
Chaney, Lee F., assignor to The Chaney Manufacturing Company, Springfield, Ohio. Air-control valve. 1,462,263; July 17.
Chaney Manufacturing Company, The. (See Chaney, Lee F., assignor.)
Chandler, Homer P., assignor to The Ohio Brass Company, Mansfield, Ohio. Conductor support. 1,461,750; July 17.
Chandler, Homer P., assignor to The Ohio Brass Company, Mansfield, Ohio. Conductor support. 1,461,751; July 17.
Chandler, Homer P., assignor to The Ohio Brass Company, Mansfield, Ohio. Conductor support. 1,461,752; July 17.
Chandler, Homer P., assignor to The Ohio Brass Company, Mansfield, Ohio. Conductor holder. 1,461,753; July 17.
Chapman, Leo L., Fond du Lac, Wis. Film reel. 1,462,166; July 17.
Charlet, Hans, Krefeld, Germany. Inherently-regulated direct current dynamos. 1,462,226; July 17.
Cheremisinoff, Gabriel A., Highland Park, Mich. Shock-absorbing disk wheel. 1,461,969; July 17.

Chester Machine Co. (See Augustine, Addison E., assignor.)
Christenson, Niels C., Salt Lake City, Utah. Method of and apparatus for making spray from liquids and commingling the same with gases. 1,462,363; July 17.
Clark, Arthur B., assignor to Fer-Mil-Lac Process Company, St. Louis, Mo. Fermentation of milk. 1,462,029; July 17.
Clark, Emma E., Hammond, Ind., assignor to The Wilson Fastener Company, Cleveland, Ohio. Lingerie clip. Re15,654; July 17.
Clark Equipment Company. (See Burrows, Robert J., assignor.)
Clark, George H., Brooklyn, N. Y., assignor to Radio Corporation of America. Transmitting and receiving apparatus for wireless telegraphy. 1,461,754; July 17.
Clark, Walter R., assignor to Bridgeport Brass Company, Bridgeport, Conn. Manufacture of electric-furnace linings. 1,461,862; July 17.
Clark, Walter R., assignor to Bridgeport Brass Company, Bridgeport, Conn. Manufacture of electric-furnace linings. 1,461,863; July 17.
Clarke, Clem S., Shreveport, La. Casing head. 1,462,131; July 17.
Clayton and Lambert Manufacturing Company. (See Groehn, Otto J., assignor.)
Cleveland, F. Mortimer. (See Graham, Thomas de L., assignor.)
Clinton, Harry D., Johnson City, N. Y. Tuft-yarn spool for looms. 1,462,192; July 17.
Coffin, Frank M., Pelham, N. Y. Safety elevator interlock. 1,462,264; July 17.
Cole, Don, and C. J. Gustafson, assignors to Stromberg Motor Devices Company, Chicago, Ill. Carburetor. 1,461,970; July 17.
Cole, George H., Wenona, Ill. Hand stamp-assembling machine. 1,461,971; July 17.
Colson, Erick G., Glen Morris, N. Y. Tool. 1,462,101; July 17.
Compton, Charles W., Wooster, Ohio. Star namer. 1,462,323; July 17.
Comstock, Jackson D., Chester, W. Va. Automobile tire. Des. 62,667; July 17.
Coney, Franklin H., Chicago, Ill. Concrete buildings. 1,461,891; July 17.
Coney, Franklin H., Chicago, Ill. Column cap for concrete buildings. 1,461,892; July 17.
Conner, Charles E., Auburn, Me., assignor to United Shoe Machinery Corporation, Paterson, N. J. Attaching machine. 1,461,893; July 17.
Connor, Martha H., assignor to The Tin Decorating Company of Baltimore, Baltimore, Md. Wastebasket. Des. 62,668; July 17.
Continental Can Company. (See Walsh, Harry C. H., assignor.)
Continental Engineering Corporation. (See Anthony, Marcus O., assignor.)
Cook, Jesse C. (See Austin, H. E., and Cook.)
Cook, Raymond W., assignor to The Wallace Barnes Company, Bristol, Conn. Clip. 1,462,193; July 17.
Cook, William E., St. George, assignor, by mesne assignments, to The Peerless Insulated Wire and Cable Company, New York, N. Y. Wire-covering machine. 1,461,816; July 17.
Cook, William E., St. George, assignor to Peerless Insulated Wire and Cable Company, New York, N. Y. Wire-covering machine. 1,461,817; July 17.
Cooley, Fred W., Minneapolis, Minn. Tone modifier for sound-reproducing machines. 1,462,320; July 17.
Cooper, Simon, Brooklyn, N. Y., assignor to Allison Bishopric, Cincinnati, Ohio. Machine for the manufacture of wall board. 1,461,724; July 17.
Cooper, Thomas C., Chicago, Ill. Lock. 1,461,725; July 17.
Cope, Joseph H., Denver, assignor to The Windsor Manufacturing Company, Windsor, Colo. Haystacker. Re15,658; July 17.
Copithorn, Walter E., Natick, Mass. Tire valve. 1,462,227; July 17.
Corcoran, Thos. J., Lamp Co., The. (See Kuen, Eugene A., assignor.)
Cordingley, Daisy. (See Cordingly, Harry W., assignor.)
Cordingly, Harry W., Fredericksburg, assignor to Daisy Cordingley, East Liverpool, Ohio. Electric-lighting fixture. 1,462,132; July 17.
Corey, Matt M. (See Gudgel, E. D., and Corey.)
Corona Typewriter Company. (See Armstrong, Frank H., assignor.)
Corona Typewriter Company. (See Harmon, Edwin L., assignor.)
Corona Typewriter Company. (See Petermann, Otto, assignor.)
Corser, John W., Los Angeles, Calif. Piston. 1,462,084; July 17.
Cosulich, Matteo, assignor to Thomas & Buckley Hoisting Co., New York, N. Y. Brake for electric-motor-operated hoists. 1,462,265; July 17.
Cox, Charles E., Freeport, Ill. Automatic drill press. 1,461,755; July 17.
Cracker Jack Co., The. (See Morinsky, Louis, assignor.)
Crafts, Harold L., Rochester, N. Y. Automobile radiator condenser. 1,461,726; July 17.
Craig, Eustace N. (See Pearson, R. E., and Craig.)
Croce, Thomas, and D. Morabito, East Boston, Mass. Spring-actuated closure. 1,462,228; July 17.
Croning, Johannes, Hamburg, Germany. Mortise lock. 1,461,756; July 17.
Crooms, Louise J. P., Orlando, assignor of one-half to W. P. Bush, Jacksonville, Fla. Hairdresser's comb. 1,462,167; July 17.
Cross, William R. (See Panario, E. F., and Cross.)
Crowder, Riley M., assignor of one-half to C. L. Wood, Holland, Ky. Harrow. 1,462,324; July 17.
Cutler, Clifford A., Buffalo, N. Y. Drying kiln. 1,462,194; July 17.
Daines, Thomas, Penticton, British Columbia, Canada. Invisible baggage guard for motor cars. 1,461,972; July 17.
Dallenbach, Michael, Ridgway, Pa. Saw-tooth dresser, jointer, and gauge. 1,462,325; July 17.
Davis, Howard B., Millville, N. J. Glass-cutting machine. 1,462,030; July 17.
Day, Emory C., Laguna Beach, Calif. Surgical snare. 1,461,864; July 17.
Day, Emory C., Laguna Beach, Calif. Surgical snare and universal handle. 1,461,865; July 17.
Day, Wallace E., assignor to F. M. Spencer, doing business under the name of Spencer Elevator Co., San Francisco, Calif. Neutral-position safety control. 1,462,031; July 17.
De Escobales, Hilarion, Brooklyn, assignor to H. Escobales Co. Inc., New York, N. Y. Cigarette-pouch-packaging mechanism. 1,462,326; July 17.
De Escobales, Hilarion, Brooklyn, assignor to H. Escobales Co. Inc., New York, N. Y. Cigarette-pouch-packaging mechanism. 1,462,327; July 17.
Degen, Lewis, Berkeley, Calif. Noninterfering signal device. 1,462,085; July 17.
Degner, George C., Long Beach, Calif. Traffic regulator. 1,462,266; July 17.
De Jong, Conrad C., Wessington Springs, S. Dak. Scoop. 1,462,328; July 17.
De La Mare, Thomas, Tooele, Utah. Culvert mold. 1,461,973; July 17.
Delaney, Thomas W., St. Paul, Minn. Pump piston. 1,462,445; July 17.
De Laval Separator Company, The. (See Leitch, Meredith, assignor.)
De Moos, Charles, Fort Lee, N. J., assignor to Eastman Kodak Company, Rochester, N. Y. Fluid-treating apparatus for films. 1,461,794; July 17.
Denemark, Jacob, Trenton, N. J. Stitching mechanism for hat brims. 1,462,168; July 17.
Dennis, Charles F., Cleveland, Ohio, assignor to The J. G. Brill Company, Philadelphia, Pa. Construction of vehicle roofs. 1,462,329; July 17.
De Soto, Emilio D. (See Jandos, Charles B., assignor.)
Detroit Trailer Company. (See Hartwick, Ernest F., assignor.)
Deubener, Walter H., St. Paul, Minn. Envelope. 1,461,727; July 17.
Deucher, Eugene G., assignor to The Universal Crane Company, Cleveland, Ohio. Support for spring vehicles. 1,461,894; July 17.
De Wolf, Roger D., Rochester, N. Y. Furnace arch. 1,462,267; July 17.
Dhé, Paul, Paris, France. Tipping crucible for basalt furnaces. 1,462,446; July 17.
Dietrich, Paul, Cleveland, Ohio, assignor to Yawman & Erbe Mfg. Co., Rochester, N. Y. Filing index. 1,462,268; July 17.
Di Falco, Giovanni, New York, N. Y. Sound-reproducing machine. 1,462,269; July 17.
Dixon, H. L., Company. (See Sterrett, Walter R., assignor.)
Djurson, Axel R. K., Malmo, Sweden, assignor to Svenska Aktiebolaget Bromsregulator, Stockholm, Sweden. Automatic slack adjuster for brakes. 1,462,270; July 17.
Dodson, Arvy B., Longton, Kans. Trap for capturing animals. 1,462,102; July 17.
Doherty Research Company. (See Greenfield, Benjamin, assignor.)
Dornier, Claude, Friedrichshafen, assignor, by mesne assignments, to Dornier-Metallbauten Gesellschaft mit beschränkter Haftung and C. Dornier, Friedrichshafen, A. B., Germany. Air propeller. 1,461,866; July 17.
Dornier, Claudius, et al. (See Dornier, Claude, assignor.)
Dornier-Metallbauten Gesellschaft mit beschränkter Haftung, et al. (See Dornier, Claude, assignor.)
Doyle, Nicholas J., Buffalo, N. Y. Multiple fuse. 1,462,195; July 17.
Drake, Robert Z., Omaha, Nebr. Bridge-reenforcing means. 1,461,795; July 17.
Draper Corporation. (See Gilman, Edward T., assignor.)
Driver, Clara, Thessalon, Ontario, Canada. Bread pan. 1,461,974; July 17.
Drolshammer, Ivar, Hamar, Norway. Pneumatic brake. 1,462,229; July 17.
Dros, Cornelis P., Amsterdam, Netherlands. Fishing apparatus. 1,462,196; July 17.
Drummond, Robert S., New York, N. Y. Window construction. 1,461,818; July 17.
Drying Systems, Inc. (See Harrison, Burt S., assignor.)

Duncan, William M., Alton, Ill. Furnace and controlling the draft therein. 1,461,819; July 17.
Duff Manufacturing Company, The. (See Eck, Karl, assignor.)
Duffy, Thomas I., Chicago, Ill., assignor, by mesne assignments, to Auto Specialties Manufacturing Company, St. Joseph, Mich. Spring suspension. Re15,659; July 17.
Dunn, Ray, Tipton, Iowa. Milk bottle. 1,462,330; July 17.
Dutro, Claude O., R. W. Kent, and G. S. Kent, Burkburnett, Tex. Tool for removing shackle bolts of automobile springs and the like. 1,462,447; July 17.
Eastman Kodak Company. (See de Moos, Charles, assignor.)
Eaton, Wilfred B., and T. D. La May, Seattle, Wash. Slide rule. 1,461,975; July 17.
Eberhardt, Nicholas S., and A. E. Hackett, Milwaukee, Wis. Frog bank. 1,461,821; July 17.
Echlin, Philander M., Toronto, Ontario, Canada. Ladder attachment. 1,462,086; July 17.
Eck Karl, Bellevue Borough, assignor to The Duff Manufacturing Company, Pittsburgh, Pa. Wheeling attachment for lifting jacks. 1,461,820; July 17.
Edwards, Alonzo L. (See Paull, A. W., and Edwards.)
Egerton, Henry C., Passaic, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y. Machine and winding electrical coils. 1,462,032; July 17.
Eggers, John H., jr., Huntingburg, Ind. Car coupling. 1,461,769; July 17.
Elliott, Harriet A., executrix. (See Elliott, Sterling.)
Elliott, Sterling, deceased, Cambridge, Mass.; H. A. Elliott, executrix. Stencil making. 1,461,867; July 17.
Ellis, Thomas C., A. Jeffery, and H. Maddocks, Peterborough, England. Seed-sowing machine. 1,461,770; July 17.
Engle, Edgar S., Greensburg, Pa. Clutch-pedal attachment. 1,461,771; July 17.
Ennis, Maddalena H., Ansonia, Conn. Sewing-machine cabinet and seat. 1,462,271; July 17.
Epstein, Herman, New York, N. Y. Clamp for producing mottled skein dyeing. 1,461,822; July 17.
Erickson, Louis, La Crosse, Wis. Vehicle trailing device. 1,462,103; July 17.
Escobales, H., Co. (See de Escobales, Hilarion, assignor.)
Evans, James G., Tunbridge Wells, England. Child's mail cart and like vehicle. 1,461,976; July 17.
Ewing, Sydney E. T., and J. L. Willey, Johannesburg, Transvaal, South Africa. Ore reduction. 1,461,977; July 17.
Fabeck, Nicolaus W., Freeport, Minn. Loading device. 1,462,272; July 17.
Farnham, Reginald V., Skelmorlie, Scotland. Disinfector attachment for the flushing arrangements of water-closets and the like. 1,462,033; July 17.
Feddern, Carl, assignor to Globe Ticket Company, Philadelphia, Pa. Check holder. 1,462,448; July 17.
Feige, Adolph E., assignor to Universal Industrial Corporation, Hackensack, N. J. Display stand for hose clamps. Des. 62,669; July 17.
Fell, John G., Blackstone, Va. Vehicle wheel. 1,461,978; July 17.
Fellroth, Erick O., assignor of one-third to F. N. Hegg and one-third to C. I. Lindskoog, Minneapolis, Minn. Machine for cutting tires into transverse sections. 1,462,197; July 17.
Fellroth, Erick O., assignor of one-third to F. N. Hegg and one-third to C. I. Lindskoog, Minneapolis, Minn. Tire gauge cutter. 1,462,198; July 17.
Felton, Augustus C., jr., Macon, Ga. Crematory. 1,462,239; July 17.
Fer-Mil-Lac Process Company. (See Clark, Arthur B., assignor.)
Festa, John, Brooklyn, N. Y. Gas burner. 1,462,331; July 17.
Finlayson, Estelle H., Ossining, N. Y. Container. 1,462,034; July 17.
Finn, Abraham, Elizabeth, N. J. Paper-hanger's table. 1,462,449; July 17.
Fischer, Charles, Coldwater, Ohio. Chair tightener. 1,461,868; July 17.
Fischer, Frederick P., Chicago, Ill. Smoke consumer. 1,462,273; July 17.
Fishel, Milton A., New York, N. Y. Forming hairpins. 1,461,728; July 17.
Fisher Body Corporation. (See Rissmann, Paul, assignor.)
Fitts, Charles F., et al. (See Hilgerink, Frank M., assignor.)
Fitz Simons, Samuel G., Charleston, S. C. Automobile fender. 1,462,104; July 17.
Fondiller, William, assignor to Western Electric Company, Incorporated, New York, N. Y. Treatment of magnetic material. 1,462,035; July 17.
Foss, Laurence M., assignor to G. W. J. Murphy Company, Amesbury, Mass. Securing means for fastener elements. 1,462,463; July 17.
Foster Brothers Manufacturing Company. (See Foster, William B., assignor.)
Foster, Charles B., Buffalo, N. Y. Convertible sink and washing device. 1,461,979; July 17.
Foster, Henry J., and O. Thomas, assignors to The Hydraulic Pressed Steel Company, Cleveland, Ohio. Forming sheet-metal barrel chimes. 1,461,729; July 17.
Foster, Harry S., et al. (See Youlten, William, assignor.)
Foster Machine Company. (See McKean, John O., assignor.)
Foster, William B., assignor to Foster Brothers Manufacturing Company, Utica, N. Y. Detachable knot or fastener for coiled springs. 1,461,895; July 17.
Fouse, Frederick W., Muskogee, Okla. Spirit level. 1,462,231; July 17.
Frahm, Carl A., assignor, by mesne assignments, to United Alloy Steel Corporation, Canton, Ohio. Sheet-trimming machine. 1,461,796; July 17.
Franzenburg, Claus, Nuremberg, assignor to the Firm Marswerke A.-G., Nuremberg-Doos, Germany. Novel device for securing engines on motor cycles. 1,461,869; July 17.
Frascadore, Michael, and R. Vallone, Philadelphia, Pa. Rear lamp for automobile. 1,462,274; July 17.
Frassier, Leon, Paris, France. Cinematographic projection apparatus. 1,461,870; July 17.
French Battery & Carbon Co. (See McEachron, Edgar J., assignor.)
Fried, Ignatius, Mobile, Ala. Separable button. 1,462,332; July 17.
Fritz, E. F. Lewis, Chicago, Ill. Rifle. 1,462,169; July 17.
Frizell, Herbert L., Dorchester, Mass. Valved collapsible tube. 1,462,232; July 17.
Fry, Charles E., Bloomfield, Iowa. Safety signal for railway crossings. 1,461,896; July 17.
Fuller, Wellington G., assignor of one-half to S. C. Searle, Aberdeen, S. Dak. Seat back. 1,461,772; July 17.
Funk, Frank M., and M. C. Jenners, Detroit, Mich. Reversing chuck. 1,461,871; July 17.
Gair, Robert, Company. (See Seifert, August, assignor.)
Gammel, Karl, Cleveland, Ohio. Cooking utensil. 1,462,275; July 17.
Gartner, Victor, Brooklyn, N. Y. Fountain pen. 1,461,823; July 17.
Geib, William, assignor to International Silver Company, Meriden, Conn. Metal basket or similar article. Des. 62,670; July 17.
General Electric Company. (See Bohner, Clyde C., assignor.)
General Electric Company. (See Burnham, Locke H., assignor.)
General Electric Company. (See Hall, Chester I., assignor.)
General Electric Company. (See Huber, Herman J. H., assignor.)
General Electric Company. (See Kline, Charles H., assignor.)
General Electric Company. (See Lyons, Joseph, assignor.)
General Electric Company. (See Merrill, W. L., and Winne, assignors.)
General Electric Company. (See Pero, Bertram S., assignor.)
General Electric Company. (See Treischel, Chester C., assignor.)
General Electric Company. (See Wagner, Edward A., assignor.)
General Electric Company. (See Warren, Henry E., assignor.)
General Motors Corporation. (See White, John W., assignor.)
Gletzelt, Arthur A. (See Hoopes, S. L., and Gletzelt.)
Giles, Harvey, Brooklyn, assignor to A. Ward, New York, N. Y. Coin-controlled vending machine. 1,462,199; July 17.
Gillies, Neil M. (See Strond, Chester H., assignor.)
Gilman, Edward T., Lowell, assignor to Draper Corporation, Hopedale, Mass. Feeler mechanism for looms. 1,461,872; July 17.
Girard, John, Thomaston, Conn. Roll-fabric holder. 1,462,333; July 17.
Glacifer Company. (See Graham, James E., assignor.)
Glent & Hassenkamm Ltd. (See Petersen, Hans P., assignor.)
Glidden, Alfred A., assignor to Hood Rubber Company, Watertown, Mass. Rubber boot. Des. 62,671; July 17.
Globe Ticket Company. (See Feddern, Carl, assignor.)
Glock, Theodore, Webster, Wis. Portable clothes basket. 1,462,133; July 17.
Goffe, Theodore N., Springfield, Mo. Stovepipe lock. 1,461,773; July 17.
Goodyear Tire & Rubber Company, The. (See Carlton, B. B., and Burkley, assignors.)
Goodyear Tire & Rubber Company, The. (See Kilborn, K. B., and Wolfe, assignors.)
Goodyear Tire & Rubber Company, The. (See Trogner, Roland S., assignor.)
Gruesser, Carl H., Bridgeport, Conn., assignor to Manning, Maxwell & Moore, Inc., New York, N. Y. Pressure-gauge mechanism. 1,461,730; July 17.
Graham, James E., Newtonville, Mass., assignor to Glacifer Company, Boston, Mass. Cooling container or so-called "dry container" for ice cream and similar products to be maintained cold for many hours. 1,462,450; July 17.
Graham, James J., et al. (See Riddel, Sherrod, assignor.)

Graham, Thomas de L., assignor of one-third to F. M. Cleveland, Philadelphia, Pa. Automobile headlight and reflector. 1,462,036; July 17.
Grant, Albert E., New York, N. Y., assignor to Caloroil Burner Corporation. Process and apparatus for mixing and burning oil. 1,462,464; July 17.
Grant, Harry C., Bayonne, N. J. Universal joint for shafts. 1,462,276; July 17.
Graveure, Louis, New York, N. Y. Casing for smoking pipes. No. 1,462,277; July 17.
Gray, Wallace M., Cincinnati, Ohio. Locomotive water column. 1,462,134; July 17.
Gressley, Harry M., Corry, Pa. Attachment for tractors. 1,462,451; July 17.
Greene, Frederick J., assignor to Greene Mfg. Co., Racine, Wis. Locking bar. 1,462,278; July 17.
Greene Mfg. Co. (See Greene, Frederick J., assignor.)
Greenfield, Benjamin, Bartlesville, Ohio, assignor, by mesne assignments, to Doherty Research Company, New York, N. Y. Fluid meter. 1,462,170; July 17.
Greninger, Wilhelm F. D., Bridgeport, Conn. Metal tubular shade roller. 1,462,171; July 17.
Groby, Frederick W., River Edge, N. J. Accounting sheet. 1,461,757; July 17.
Groeha, Otto J., assignor to Clayton and Lambert Manufacturing Company, Detroit, Mich. Torch burner. 1,461,897; July 17.
Gross, Gilbert M., Eldorado Springs, Mo. Sterilizing container. 1,462,334; July 17.
Gross, Seymour R. (See Wilson, Robert E. and R. F., assignors.)
Gross, Thomas A., Frederick, Okla. Apparatus for treating gasoline. 1,462,335; July 17.
Grote, Ludwig, Tottenham, London, England. Burner of the injector type. 1,461,873; July 17.
Grundy, Alfred A., assignor of one-third to himself, one-third to G. Grushlaw, and one-third to J. Sichel, Philadelphia, Pa. Means for finishing fabrics. 1,462,172; July 17.
Grushlaw, George, et al. (See Grundy, Alfred A., assignor.)
Gudgel, Everett D., and M. M. Corey, assignors to R. D. Swisher Mfg. Co., Chicago, Ill. Stamp mount and index. 1,462,200; July 17.
Guerrieri, Joseph, San Francisco, Calif. Artichoke trimmer and cutter. 1,461,874; July 17.
Gulnzburg, Victor, assignor to I. B. Kleinert Rubber Company, New York, N. Y. Elastic fabric. 1,462,279; July 17.
Gurney, Dayton A., Caro, Mich. Trail stop. 1,462,280; July 17.
Gustafson, Charles J. (See Cole, D., and Gustafson.)
Haanel, Walter L., Chicago, Ill. Electric fountain. 1,462,281; July 17.
Haas, Rudolf, Baden, Germany, assignor to Techno Service Corporation, New York, N. Y. Percussion fuse. 1,462,173; July 17.
Hacheney, Frank C., John Day, Oreg. Adjustable wrench. 1,461,875; July 17.
Hackett, Arthur E. (See Eberhardt, N. S., and Hackett.)
Hagelstein, Christian H. T., assignor to The Reece Button Hole Machine Company, Boston, Mass. Stop motion. 1,461,876; July 17.
Hale, John, Reedsville, Wis. Brooder. 1,462,336; July 17.
Hale, Lee M., Chicago, Ill. Lubricating device. 1,462,174; July 17.
Hall, Chester I., Fort Wayne, Ind., assignor to General Electric Company. Electrical instrument. 1,462,337; July 17.
Hall, Frank P., Mont Alto, Pa. Adjustable reclining chair. 1,462,005; July 17.
Hall, George W., Topeka, Kans. Mechanical orchestra. 1,462,006; July 17.
Hall Manufacturing Company, The. (See Wernimont, Frank T., assignor.)
Hallden, Karl W., Waterbury, Conn. Sheet-metal cutting-off machine. 1,461,898; July 17.
Hallden, Karl W., Waterbury, Conn. Sheet-metal cutting-off machine. 1,461,899; July 17.
Halloran, Patrick. (See Basel, Frank, assignor.)
Hamer, Leland S., Fullerton, assignor of one-half to W. W. Wilson, Los Angeles, Calif. Pipe-hook tongs. 1,462,037; July 17.
Hamilton, Baxter F. (See Parker, R. D., and Hamilton.)
Hammond, Clint, and W. Inman, assignors of one-third to said Inman and two-thirds to H. J. Heaton and S. Hooper, Boyne City, Mich. Accelerator. 1,461,774; July 17.
Hampden Toy Company, The. (See Brazee, Raymond L., assignor.)
Hanft, George A., assignor to Newark Mask Co. Inc., Irvington, N. J. Cord terminal for mask fasteners. 1,461,900; July 17.
Hans, Edmund E., Kalamazoo, Mich. Filtering means for lubricating systems. 1,462,175; July 17.
Hansen, Maurice H., Seattle, Wash. Cylinder-reboring machine. 1,461,877; July 17.
Hansmann, Paul, and H. Strack, Long Prairie, Minn. Antiside-draft plow. 1,462,135; July 17.
Hardesty, Leslie F., Terra Alta, W. Va. Trap. 1,462,007; July 17.
Hardwood, George S., & Son. (See Howe, Joseph B., assignor.)
Harmata, Ilko, Boyle, Alberta, Canada. Automatic bridge gate. 1,461,901; July 17.
Harmon, Edwin L., assignor to Corona Typewriter Company, Inc., Groton, N. Y. Typewriting machine. 1,461,731; July 17.
Harms, Charles A., Indianapolis, Ind., assignor, by mesne assignments, to Ludlow Typograph Company, Chicago, Ill. Typograph mechanism. 1,462,338; July 17.
Harper, A., Sons, and Bean Limited. (See Richards, John W., assignor.)
Harris, Edward R. (See Jones, E. W., and Harris.)
Harris, Holmes, Washington, D. C. Combined envelope and letter sheet. 1,461,879; July 17.
Harrison, Burt S., Brooklyn, N. Y., assignor to Drying Systems, Inc., Chicago, Ill. Air heater. 1,462,339; July 17.
Hart, H. Stillson, et al. (See Hilgerink, Frank M., assignor.)
Hart, Harry S., Chicago, Ill. Dump car. 1,461,732; July 17.
Hart, John J., Omaha, Nebr. Device for cooking utensils. 1,462,105; July 17.
Hartley, Ralph V. L., South Orange, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y. Modulating system. 1,462,038; July 17.
Hartmeyer, August W., Los Angeles, Calif. Toilet-paper holder. 1,462,176; July 17.
Hartwick, Ernest F., Greenfield Township, Wayne County, assignor to Detroit Trailer Company, Detroit, Mich. Trailer connection. 1,461,880; July 17.
Harvey, John E., Milton, Mass. Thermostatic control. 1,461,878; July 17.
Harvey, Louis B., Stockton, Calif., assignor to Harvey Rim & Wheel Company, Inc., Buffalo, N. Y. Fixed-rim construction for disk wheels. 1,462,282; July 17.
Harvey Rim & Wheel Company. (See Harvey, Louis B., assignor.)
Hateh, L. O., et al. (See Slauson, Stephen A., assignor.)
Hatfield, Robert L. (See Snyder, Walter, assignor.)
Hauenstein, Oscar, Uniontown, Pa. Dispensing and measuring device. 1,462,407; July 17.
Haughton Elevator & Machine Co., The. (See Thurston, Ernest B., assignor.)
Hawes, Herbert E., Milwaukee, Wis. Propelling device for aircraft. 1,461,733; July 17.
Heaton, Hylon J., et al. (See Hammond, C., and Inman, assignors.)
Hedges, Edward G., Newark, and W. W. Heroy, Bloomfield, N. J. Means for controlling flush-tank valves. 1,462,106; July 17.
Hegg, Frederick N., et al. (See Fellroth, Erick O., assignor.
Hegnes, Peter J., Canton, S. Dak. Vending machine. 1,462,283; July 17.
Heide, William A., Detroit, Mich. Spark plug. 1,461,797; July 17.
Heisey, A. H., & Co. (See Sanford, Andrew J., assignor.)
Henderson, Carl, Oak Park, assignor to The Miehle Printing Press and Manufacturing Company, Chicago, Ill. Water distributor for lithographing presses. 1,462,136; July 17.
Hendrickson, Charles J., assignor to Western Electric Company, Incorporated, New York, N. Y. Centrifugal governor. 1,462,087; July 17.
Henniger, Theodore F., Memphis, Tenn. Fruit picker. 1,462,008; July 17.
Herman, Max, New York, N. Y. Making hydrated lime. 1,462,284; July 17.
Heroy, Walter W. (See Hedges, E. G., and Heroy.)
Hersh, Edward H., Altoona, Pa. Coal-tipple attachment. 1,461,844; July 17.
Hickok Manufacturing Company. (See Mix, Edwin S., assignor.)
Higginson, Edward G., Providence, R. I. Corner stay for boxes. 1,462,009; July 17.
Hildebrand, Wilhelm, assignor to Knorr-Bremae Aktiengesellschaft, Lichtenberg, Berlin, Germany. Brake accelerator. 1,461,846; July 17.
Hildebrand, Wilhelm, assignor to Knorr-Bremse Aktiengesellschaft, Lichtenberg, Berlin, Germany. Control valve for air brakes. 1,461,845; July 17.
Hildreth, Andrew G., Worcester, Mass. Combination overalls. 1,461,798; July 17.
Hilger, George, Chicago, Ill. Refrigerated display apparatus. 1,462,285; July 17.
Hilgerink, Frank M., assignor to H. S. Hart and C. F. Fitts, trustees, Chicago, Ill. Cleaning-process gun. 1,461,824; July 17.
Hill, Albert C., Chicago, Ill. Automobile lock. 1,462,137; July 17.
Hill, Mathew B. (See Muller, G., and Hill.)
Hirst, Arnold. (See Hirst, Rowland R. and A.)
Hirst, Rowland R. and A., Halifax, England. Tennis post. 1,462,201; July 17.
Holman, Harry T., Summerside, Prince Edward Island, Canada. Fox pen. 1,462,107; July 17.
Holmes, Bradford B., New York, N. Y., assignor to J. W. Weeks, Secretary of War of the United States of America, trustee. Leather gasket. 1,461,902; July 17.
Holywell, Harold S., Brooklyn, N. Y. Telephone pencil holder. 1,462,108; July 17.

Hood Rubber Company. (See Glidden, Alfred A., assignor.)
Hooks, Bentley R., Amarillo, Tex. Safety appliance for railway switches. 1,462,010; July 17.
Hooper, Sabin, et al. (See Hammond, C., and Inman, assignors.)
Hoopes, Samuel L., and A. A. Gietzelt, Fresno, Calif. Running-board apron guard. 1,461,903; July 17.
Hopkins, Michael S., Columbus, Ohio. Pressure indicator. 1,462,109; July 17.
Hopper, Earle B., Ridgewood, N. J. Surgical instrument. 1,462,202; July 17.
Hosford, William F., Oak Park, Ill., assignor to Western Electric Company, Incorporated, New York, N. Y. Cable-measuring device. 1,461,758; July 17.
Hostetter, Jacob T., and F. J. Keiser, Sharon, Pa. Valve. 1,462,110; July 17.
Houk, James P., Mountain Grove, Mo. Railway crossing. 1,462,408; July 17.
Howard, De Witt E., Ridgewood, N. J. Lathe center. 1,462,409; July 17.
Howe, Ernest G. (See Rockwell, R. L., and Howe.)
Howe, Ernest G., trustee. (See Rockwell, R. L., and Howe, assignors.)
Howe, Joseph B., Worcester, assignor to George S. Harwood & Son, Boston, Mass. Adjustable feed-roll journal for card feeders. 1,462,203; July 17.
Hoyem, George A., Lennep, Mont. Cleaning implement. 1,461,904; July 17.
Hrobsky, Hobert, assignor of one-half to W. G. Miller, Watertown, Wis. Merry-go-round. 1,461,881; July 17.
Huber, Herman J. H., Schenectady, N. Y., assignor to General Electric Company. Electric switch. 1,462,340; July 17.
Hughes, Arthur S., Mansfield, Ohio. Truck body. 1,461,905; July 17.
Hughes, Arthur S., Mansfield, Ohio. Sheet-metal construction for truck bodies, racks, etc. 1,461,906; July 17.
Hughes, Arthur S., Mansfield, Ohio. Sheet-metal construction for truck bodies, etc. 1,461,907; July 17.
Hulburd Engineering Company. (See Tutt, Montague W., assignor.)
Hutcherson, Ira, Keokuk, Iowa. Combination woven-wire stretcher and hoist. 1,462,011; July 17.
Hutchins Car Roofing Company. (See Thompson, W. D., and Wilson, assignors.)
Hutton, William F. (See Ivarson, Victor, assignor.)
Hydraulic Pressed Steel Company, The. (See Foster, H. J., and Thomas, assignors.)
Hyne, Charles J. C. W., Bradford, England. Apparatus for aerating liquids. 1,462,063; July 17.
Ibach, Benjamin F. (See Wright, A. W., and Ibach.)
India Tire & Rubber Company, The. (See Lerch, William G., assignor.)
Ingersoll-Rand Company. (See Parsons, Frederick W., assignor.)
Inman, William. (See Hammond, C., and Inman.)
International Motor Company. (See Adams, W. R., and Pound, assignors.)
International Silver Company. (See Geib, William, assignor.)
Interstate Folding Box Company. (See Bergstein, Samuel, assignor.)
Interstate Folding Box Company. (See Butterfield, Charles, assignor.)
Ivarson, Victor, Cleghorn, assignor to W. F. Hutton, Cherokee, Iowa. Tractor attachment. 1,462,341; July 17.
Izard, Henry, Portland, Oreg. Oil burner. 1,461,908; July 17.
Jackson, Harry R., assignor of one-half to H. A. May, Chicago, Ill. Governing valve for internal-combustion motors. 1,461,847; July 17.
Jacoby, Lyle, Paris, Ky. Aeorplane. 1,462,410; July 17.
James, George H., assignor to American Engineering Company, Philadelphia, Pa. Anchor. 1,462,342; July 17.
Jandos, Charles B., Windsor, assignor of two-fifths to E. D. De Soto, Denver, Colo. Centrifugal separator. 1,461,909; July 17.
Jaquiery, William, Waterbury, Conn. Tube-forming machine. 1,461,848; July 17.
Jarzyna, Frank. (See Tobis, F., and Jarzyna.)
Jeannotte, Leon, Gravelbourg, Saskatchewan, Canada. Singletree construction. 1,461,910; July 17.
Jeffery, Alfred. (See Ellis, T. C., Jeffery, and Maddocks.)
Jenkins, Thomas A., Jersey City, N. J. Ventilator. 1,462,343; July 17.
Jenners, Martin C. (See Funk, F. M., and Jenners.)
Jepson, William, London, England. Wash machine. 1,462,286; July 17.
Jerry, Centennial W., Cumberland, Wis. Attachment for wheeled scoops or scrapers. 1,461,775; July 17.
Jobke, August F., Pittsburgh, Pa. Magnetic separator. 1,462,111; July 17.
Johnson, August, Toivola, Minn. Guard rail. 1,462,344; July 17.
Johnson, Lane, Ingram, assignor to United Engineering and Foundry Company, Pittsburgh, Pa. Reel. 1,462,411; July 17.
Johnson, Uno, Brooklyn, N. Y. Compasses. 1,462,412; July 17.
Johnston, John O., Newark, N. J. Side car for motor cycles. 1,461,759; July 17.
Jonas, Julius, Meierhof, Baden, and O. Seitz, Oberer Kappelerhof, Baden, assignors to Aktiengesellschaft Brown Boveri & Cie., Baden, Switzerland. Mercury-vapor pump for high vacuums. 1,462,112; July 17.
Jones, Earle W., New York, N. Y., and E. R. Harris, Arlington, N. J. Making phonographic records. 1,461,849; July 17.
Jones, Thomas E., Peru, assignor of one-half to L. M. Stump, Plymouth, Ind. Battery-strap mold. 1,462,364; July 17.
Jordahn, Gus, Palm Beach, Fla. Pneumatic support. 1,461,911; July 17.
Joyce, James T., trustee. (See Laursen, Laurits A., assignor.)
Julian & Kokenge Company, The. (See Bohr, Henry B., assignor.)
Kacker, Henry J. F. T., Birmingham, Ala. Bag-cleaning machine. 1,461,850; July 17.
Kagermeier, Frank, New Ulm, Minn. Concrete building block. 1,461,851; July 17.
Kaim, Henry J., St. Paul, Minn. Reversing mechanism for lathes. 1,461,776; July 17.
Kalamazoo Loose Leaf Binder Co. (See Wigginton, George P., assignor.)
Kaltenbach, John, Waterloo, Iowa. Sash fastener. 1,462,345; July 17.
Kanak, Joseph C., Chicago, Ill. Hot-air furnace. 1,462,287; July 17.
Kant-Break Ladders, Inc. (See Walchli, George H., assignor.)
Kaplon, Abraham I., Brunswick, Md. Radiator thermostat. 1,462,012; July 17.
Kasley, Alexander T., Essington, Pa., assignor to Westinghouse Electric and Manufacturing Company. Driving arrangement for ships. 1,461,852; July 17.
Katz, Herman. (See Akey, M. R., and Katz.)
Keiser, Frederick J. (See Hostetter, J. T., and Keiser.)
Kellerman, Charles F., Battle Creek, Mich. Traffic signal. 1,462,365; July 17.
Kellogg, Henry E., Mountain View, Calif. Submerged bearing. 1,462,366; July 17.
Kelly, Adelbert F., Spokane, Wash. Vehicle wheel; 1,461,912; July 17.
Kelly, Albert A., London, England. Production of sodium decaborate from boron ores. 1,462,064; July 17.
Kelly, William H., Cheyenne, Wyo. Propeller for flying machines. 1,461,913; July 17.
Kennedy, Homer R., assignor to J. J. Mathe, Los Angeles, Calif. Sheet-metal-rolling machine for fenders and the like. 1,461,853; July 17.
Kent, George S. (See Dutro, C. O., and Kent.)
Kent, Reginald W. (See Dutro, C. O., and Kent.)
Kerr, Samuel, Caruthers, Calif. Kick-off for hand trucks. 1,462,233; July 17.
Kersten, Samuel, Chicago, Ill. Combination faucet and mixing nozzle. 1,462,413 July 17.
Kiesel, William F., jr., Altoona, Pa. Valve for power reverse gears. 1,461,854; July 17.
Kilborn, Karl B., and W. S. Wolfe, assignors to The Goodyear Tire & Rubber Company, Akron, Ohio. Manufacturing pneumatic tires and the like. 1,462,452; July 17.
Kincaid, Robert L., Syracuse, N. Y. Washing machines. 1,461,914; July 17.
Kirkpatrick, William L. (See O'Flaherty, L. F., and Kirkpatrick.)
Kleinert, I. B., Rubber Company. (See Brock, Max, assignor.)
Kleinert, I. B. Rubber Company. (See Guinzburg, Victor, assignor.)
Kline, Charles H., Pittsfield, Mass., assignor to General Electric Company. Protective device for electrical apparatus. 1,462,346; July 17.
Knorr-Bremse Aktiengesellschaft. (See Hildebrand, Wilhelm, assignor.)
Knowles, Madison M., and J. N. Bates, Fort Branch, Ind. Tractor hitch. 1,462,414; July 17.
Knox, William J., New York, assignor, by mesne assignments, to said Knox and A. R. Speer, Bronxville, N. Y. Process and apparatus for extracting hydrocarbons from oil wells and oil-bearing strata. 1,462,288; July 17.
Knudsen, Svend J., Copenhagen, Denmark. Electric safety fuse. 1,462,013; July 17.
Kober, Fritz, Suhl, Germany. Apparatus for cleaning the outside of boiler tubes. 1,462,415; July 17.
Koch, Fritz, St. Paul, Minn. Centrifugal separating machine. 1,461,777; July 17.
Korns, Lewis F., Minneapolis, Minn. Key ring and the like. 1,462,205; July 17.
Kosán, Julius, Cleveland, Ohio. Stacker for thrashing machines. 1,462,289; July 17.
Kramer, Andrew A., Kansas City, Mo. Partition support and surge plate. 1,462,347; July 17.
Kreft, Victor, Two Rivers, Wis. Shock absorber. 1,461,915; July 17.
Krehlik, Albert, Cleveland, Ohio. Adjusting mechanism for transmission bands. 1,461,916; July 17.
Kroesser, Ludwig J., Stoneham, Mass. Curtain-rod support. 1,461,855; July 17.
Kuen, Eugene A., assignor to The Thos. J. Corcoran Lamp Co., Cincinnati, Ohio. Closure construction for auto lamps. 1,461,799; July 17.

Kuhner, Oscar, Columbus, Ohio. Temporary end closure for locomotive valve chambers. 1,462,113; July 17.
Kysela, Rudolph, assignor of one-half to L. V. Starr, Los Angeles, Calif. Motor-control means and system and method. 1,461,917; July 17.
Lafferty, Herbert D. (See Von Hambach, Ernest, assignor.)
Lahners, William, et al. (See Riddel, Sherrod, assignor.)
Laist, Frederick, Anaconda, Mont., assignor to Anaconda Copper Mining Company. Hydrometallurgical precipitation of copper. 1,461,918; July 17.
La Londe, William S., Evanston, Ill. Electric switch for automobile gasoline tanks. 1,461,825; July 17.
La Malta, Thomas L., Memphis, Tenn. Cut-off saw. 1,461,919; July 17.
La May, Thomas D. (See Eaton, W. B., and La May.)
La Montagne, Patrick P., Bourbonnais, assignor, by mesne assignments, to Pope Machine Company, Kankakee, Ill. Machine for uniting looped fabrics. 1,462,367; July 17.
Landers, Frary & Clark. (See Warner, Alonzo A., assignor.)
Lane, Bert E., Camden, N. J. Talking machine. 1,462,114; July 17.
Langston, Samuel M., Wenonah, N. J. Machine for making fiber shingles. 1,462,138; July 17.
Larson, Christian H., Guffey, Tex. Tire-rim rack. 1,462,455; July 17.
Larson, Robert E., San Diego, Calif. Musical-instrument rack. 1,461,920; July 17.
La Sares, George C., Springfield, Mass., assignor to C. E. Bradley Corporation, Brattleboro, Vt. Jump rope. 1,462,088; July 17.
Latour, Marius, Paris, France. Telephone repeating system. 1,462,368; July 17.
Lauby, Aloysius L., Antigo, Wis. Track-rail joint and safety device. 1,462,290; July 17.
Laughlin, Edward A., Port Arthur, Tex. Routing mechanism. 1,462,234; July 17.
Laursen, Laurits A., Eau Claire, Wis., assignor to J. T. Joyce, trustee for United States Auto Gear Shift Company. Gear-shifting device. 1,462,139; July 17.
Launter, Wilbert E., Yatesboro, Pa. Valve-testing device. 1,462,115; July 17.
La Wall, Harold J., and C. E. Wetzel, Philadelphia, Pa. System of bookkeeping. 1,462,140; July 17.
Lawrence, Oscar A., assignor to U. H. Roberts, San Francisco, Calif. Window spring. 1,462,235; July 17.
Lederer, Anton, Vienna, Austria, assignor to Westinghouse Lamp Company. Electric gas lamp. 1,461,921; July 17.
Lee, Bernard J., Los Angeles, Calif. Attachment for headlights. 1,462,065; July 17.
Leidecker, Joseph M., and J. G. Burch, Bartlesville, Okla. Apparatus for spooling wire. 1,462,014; July 17.
Leitch, Lucy B., administratrix. (See Leitch, Meredith.)
Leitch, Meredith, deceased, Poughkeepsie, N. Y., by L. B. Leitch, administratrix, Gordonville, Va., assignor to The De Laval Separator Company, New York, N. Y. Braking device for centrifugal machines. 1,462,141; July 17.
Leitch, Roy C., Kansas City, Mo. Car-check holder. 1,462,015; July 17.
Lerch, William G., Akron, assignor to The India Tire & Rubber Company, Mogadore, Ohio. Tire construction. 1,462,453; July 17.
Les Successeurs d'Albert Godde, Bedin & Co. (See Vignon, Louis E., assignor.)
Letsch, Frederick W., Baltimore, Md. Assembling and transfer mechanism. 1,462,116; July 17.
Lewis, Eddie A., Belleville, Kans. Universal joint and power transmission. 1,462,016; July 17.
Lewis, George T., Middleville, N. Y. Split piston for internal-combustion engines and analogous uses. 1,462,089; July 17.
Lewis, Robert S., assignor of one-half to Ransomes & Rapier Limited, Ipswich, England. Hoisting and luffing mechanism for cranes. 1,461,800; July 17.
Lincoln Steel and Forge Company. (See Barke, Frank S., assignor.)
Lindskoog, Carl L., et al. (See Fellroth, Erick O., assignor.)
Lindstrom, Frank L., Bridgeport, Conn. Toy. 1,462,090; July 17.
Lindstrom, Frank L., Bridgeport, Conn. Spinning top. 1,462,091; July 17.
Little, William E., Chicago, Ill. Combined toothbrush and dentifrice container. 1,461,922; July 17.
Lloyd, Rannie S., Maysville, N. C. Composition for varnish. 1,462,236; July 17.
Lo Cascio, Pasquale, Brooklyn, assignor to Toy Business Corporation, New York, N. Y. Indicator. 1,462,028; July 17.
Locke, Alfred M., Milwaukee, Wis. Compact attachment. 1,461,923; July 17.
Lockhart, Howard, Falls City, Nebr., assignor to E. L. Vernon, Akron, Colo. Tank heater. 1,462,237; July 17.
Lowe, James H., Baseed, Boro' Green, England. Dandy roll. 1,462,369; July 17.
Ludlow Typograph Company. (See Harms, Charles A., assignor.)
Lum, George R., assignor to Western Electric Company, assignor to Western Electric Company, Incorporated, New York, N. Y. Loud-speaking telephone receiver. Des. 62,672; July 17.
Lux Clock Manufacturing Company. (See Lux, Paul, assignor.)
Lux, Paul, assignor to Lux Clock Manufacturing Company, Waterbury, Conn. Alarm clock. 1,462,142; July 17.
Luyties, Otto G., Mount Vernon, N. Y. Vehicle headlight. 1,461,924; July 17.
Lykins, William H., Sioux City, Iowa. Milk-bottle holder. 1,462,370; July 17.
Lynch, Francis T., Baltimore, Md. Refrigerator. 1,462,206; July 17.
Lyons, Joseph, Schenectady, N. Y., assignor to General Electric Company. Method and apparatus for producing cool light. 1,462,348; July 17.
McAlonie, Howard. (See Slattery, M. F., and McAlonie.)
McCarthy, Charles M., Minneapolis, Minn. Wire-cloth-display roll rack. 1,462,349; July 17.
McClintock, Charles N., Elwood, Ind. Tire and rim construction. 1,462,117; July 17.
McConahy, Newell C., Tyrone, Pa. Indicator. 1,462,371; July 17.
McCrink, Joseph, Newark, N. J. Bottle protector. 1,462,291; July 17.
McCullough, Harvey G. (See Painter, J. A., and McCullough.)
McDaniel, James M., Amarillo, Tex. Gate. 1,462,066; July 17.
McDermott, Lyle C., Pocatello, Idaho. Flycatcher. 1,462,416; July 17.
McEachron, Edgar J., assignor to French Battery & Carbon Co., Madison, Wis. Battery lamp. 1,462,207; July 17.
McFadden, Glenn E., Lakewood, Ohio. Plate for lighting fixtures. Des. 62,673; July 17.
McFarlane, Robert E. (See Cavanagh, E. M., and McFarlane.)
McGregor, Alexander G., Warren, Ariz. Apparatus for charging reverberatory furnaces. 1,461,801; July 17.
McKean, John O., assignor to Foster Machine Company, Westfield, Mass. Device for guiding, clearing, and tensioning yarn. 1,462,292; July 17.
McKenna, John T., New York, N. Y. Garment hanger. 1,462,067; July 17.
McKone, Leo J., Chicago, Ill., assignor to Mid-West Manufacturing Company, Minneapolis, Minn. Dolly jack. 1,462,039; July 17.
McKone, Leo J., Chicago, Ill., assignor to Mid-West Mfg. Co., Minneapolis, Minn. Tire-changing jack. 1,462,040; July 17.
McKoy, Edwin A., and G. D. Moore, New Orleans, La. Stump harvester. Re15,655; July 17.
McMillen, George A., Alton, Ill. Hernial truss. Re-15,657; July 17.
McMullen, John, Butte, Mont. Theft-preventing device for automobiles. 1,462,118; July 17.
McRoberts, David O., Stewardson, Ill. Bag holder. 1,461,802; July 17.
MacBride Co. (See MacBride, G. W., and Bonney, assignors.)
MacBride, George W., and G. C. Bonney, Boston, Mass., assignors to MacBride Co., Southport, Me. Band brake. 1,461,803; July 17.
Mack, Joseph A., Minturn, Colo. Flytrap. 1,461,925; July 17.
Mackintosh-Hemphill Company. (See Nisbet, David F., assignor.)
Maddocks, Harry. (See Ellis, T. C., Jeffery, and Maddocks.)
Madison, Minnie B., executrix. (See Madison, Oliver C.)
Madison, Oliver C., deceased, Omaha, Nebr., M. B. Madison, executrix. Toy pistol. 1,461,778; July 17.
Majestic Electric Development Company. (See Richardson, Earl H., assignor.)
Malécot, Lucien, Grand Croix, France. Washer for classifying coal, minerals, or the like. 1,462,418; July 17.
Malloy, Patrick F., Milwaukee, Wis. Railway ticket. 1,461,926; July 17.
Mandel, Carl, San Francisco, Calif. Picture-retaining device for picture frames. 1,462,419; July 17.
Manhattan-Rome Company. (See Sisbower, G. F., and Pittoni, assignor.)
Manley, Frederick T., Houston, Tex., assignor to The Texas Company, New York, N. Y. Cracking hydrocarbon oils. 1,462,143; July 17.
Manning, Levi H., Tucson, Ariz. Treating hydrocarbon oils. 1,462,068; July 17.
Manning, Levi H., Tucson, Ariz. Apparatus for treating hydracarbon oils. 1,462,069; July 17.
Manning, Maxwell & Moore, Inc. (See Graesser, Carl H., assignor.)
Marswerke A.-G. (See Franzenburg, Claus, assignor.)
Martin, William A., Wellington, Colo. Dividing-board regulator. 1,462,017; July 17.
Mason, Henry W., New Bedford, Mass. Heating furnace. 1,462,018; July 17.
Mason, John, Philadelphia, Pa. Tool for pneumatic riveters. 1,462,293; July 17.
Mathe, Joseph J. (See Kennedy, Homer R., assignor.)

Matthes, Samuel S., assignor to The Ohio Brass Company, Mansfield, Ohio. Current collector and sleet remover. 1,461,781; July 17.

Matthes, Samuel S., assignor to The Ohio Brass Company, Mansfield, Ohio. Holding device. 1,461,779; July 17.

Matthes, Samuel S., assignor to The Ohio Brass Company, Mansfield, Ohio. Support for electric conductors. 1,461,780; July 17.

May, Henry A. (See Jackson, Harry R., assignor.)

Mayo, Ernest A., Evanston, Ill. Building construction. 1,462,208; July 17.

Mayo, Robert D., Cleveland, Ohio. Combined tooth-brush and water-glass holder. 1,461,804; July 17.

Megley, Harley J., Chicago, Ill. Typographical mold. 1,461,927; July 17.

Meng, Arthur, Cleveland, Ohio. Spectacles-display holder. Des. 62,674; July 17.

Mennillo, Ciro R., New City, N. Y. Spare-tire lock. 1,462,238; July 17.

Merrill Company, The. (See Silver, Albert, assignor.)

Merrill, Wilbur L., and H. A. Winne, Schenectady, N. Y., assignors to General Electric Company. Electric steam boiler. 1,462,350; July 17.

Merrow, Joseph M., assignor to The Merrow Machine Company, Hartford, Conn. Edging or border finish. 1,462,372; July 17.

Merrow, Joseph M., assignor to The Merrow Machine Company, Hartford, Conn. Edging or border finish. 1,462,373; July 17.

Merrow Machine Company, The. (See Merrow, Joseph M., assignor.)

Messer, Adolf, Frankfort-on-the-Main, Germany. Cooling air. 1,462,177; July 17.

Metals Patents Limited. (See Pearson, R. E., and Craig, assignors.)

Metz, Leo V., Erie, Pa. Concrete block. 1,462,374; July 17.

Meyer, Franz, assignor to the Firm of Carl Zeiss, Jena, Germany. Apparatus for testing bolt threads. 1,461,782; July 17.

Meyer, Gottfried, Verndale, Minn. Preparing cheese. 1,462,375; July 17.

Meyer, Mabelle A., New York, N. Y. Atomizer. 1,462,041; July 17.

Michelsen, William J., Chicago, Ill. Illuminated display sign. 1,462,351; July 17.

Mid-West Manufacturing Company. (See McKone, Leo J., assignor.)

Miehle Printing Press and Manufacturing Company, The. (See Henderson, Carl, assignor.)

Mikaelson, Erik W., and A. A. Neave, Easton, Pa., assignors to Treadwell Engineering Company. Grinding machine. 1,462,420; July 17.

Miller, Frederick C., Chicago, Ill. Wheel tire. 1,461,928; July 17.

Miller, William G. (See Hrobsky, Hobert, assignor.)

Millot, Marius F., Paris, France. Safety dispensing device. 1,462,352; July 17.

Mills, Thomas. (See Pfeifer, F. A., and Naab, assignors.)

Miner, Frank J., Detroit, Mich. Universal conduit box. 1,462,209; July 17.

Mitchell, Charles, Woodstock, Ontario, Canada. Railway-car-wheel clamp. 1,462,294; July 17.

Mix, Edwin S., assignor to Hickok Manufacturing Company, Rochester, N. Y. Belt buckle. 1,461,826; July 17.

Moettell, Arnold, Oberwinterthur, Switzerland. Arrangement in coke containers or the like. 1,462,119; July 17.

Mollenkopf, Artur, Lubeck, Germany. Window, especially for railway, tramway, and other vehicles. 1,462,239; July 17.

Monarch Governor Company. (See Pierce, E. Ralph, assignor.)

Monroe Calculating Machine Company. (See Britten, Edwin F., jr., assignor.)

Monroe, Gilbert K., Sidney, Ohio. Mold. 1,461,929; July 17.

Monroe, William H., San Jose, Calif. Land leveler. 1,462,120; July 17.

Moore, Edward J. and R. H., assignor to The W. W. Sly Manufacturing Company, Cleveland, Ohio. Sand-blast apparatus. 1,462,295; July 17.

Moore, Edward J. and R. H., assignors to The W. W. Sly Manufacturing Company, Cleveland, Ohio. Sand-blast apparatus. 1,462,296; July 17.

Moore, George D. (See McKoy, E. A., and Moore.)

Moore, Raymond H. (See Moore, Edward J., and R. H.)

Morabito, Dominick. (See Croce, T., and Morabito.)

Morant, Henry C. F., Hawthorn, Victoria, Australia. Film developing apparatus. 1,462,019; July 17.

Morehead, John, Detroit, Mich. Steam trap. 1,462,144; July 17.

Morinsky, Louis, New York, N. Y., assignor, by mesne assignments, to The Cracker Jack Co. Apparatus for moistureproofing packages. 1,461,760; July 17.

Moss, John J., Chicago, Ill. Telephone support. 1,462,240; July 17.

Motala Verkstads Nya Aktiebolag. (See Von Porat, Karl H. V., assignor.)

Moylan, Edward M., Boston, Mass. Razor-blade holder. 1,462,210; July 17.

Muir, William F., Fresno, Calif. Drain board for sinks. 1,462,178; July 17.

Muller, Gottlieb, and M. B. Hill; said Hill assignor, by mesne assignments, of his entire right to J. B. Taylor, Philadelphia, Pa. Water circulator for auto engines. 1,462,042; July 17.

Munford, John P., Brooklyn, N. Y. Safety clothesline bracket. 1,462,241; July 17.

Murnane, Daniel J., assignor to Zouri Drawn Metals Company, Chicago Heights, Ill. Store-front construction. 1,462,211; July 17.

Murphy, G. W. J., Company. (See Foss, Laurence M., assignor.)

Murphy, P. H., Company. (See Bonsall, Charles D., assignor.)

Murray, John D., San Francisco, Calif. Spray nozzle. 1,462,020; July 17.

Murray, Michael K., Bloomfield, N. J. Tennis-court marker. 1,462,145; July 17.

Musted, George G., Partick, Glasgow, Scotland. Manhole door. 1,462,353; July 17.

Myers, Eugene V., East Orange, N. J., assignor to A. Schrader's Son, Incorporated, Brooklyn, N. Y. Dust cap or the like. 1,462,021; July 17.

Myers, Joseph E., Tacoma, Wash. Blade holder. 1,462,146; July 17.

Myers, Joseph R., Chicago, Ill. Folding box. 1,462,297; July 17.

Naab, Charles. (See Pfeifer, F. A., and Naab.)

Naegele, Arthur V. (See Piper, W. A., and Naegele.)

Narrow Fabric Co., The. (See Busch, Conrad J., assignor.)

Nashua Manufacturing Company. (See Caron, Napoleon, assignor.)

National Brake & Electric Company. (See Aikman, Burton S., assignor.)

National Paper Can Company, The. (See Brooks, Lewis C., assignor.)

Neave, Andrew A. (See Mikaelson, E. W., and Neave.)

Neher, Samuel I., Keyatone, Ind. Cultivator attachment for tractors. 1,462,022; July 17.

Nelson, Martin L., assignor to Automatic Electric Company, Chicago, Ill. Automatic telephone system. 1,461,980; July 17.

Neumayer, Frederick W., Baltimore, Md. Type-line-casting machine. 1,462,298; July 17.

Newark Mask Co. (See Hanft, George A., assignor.)

Newman, William S., Alexandra, Victoria, Australia. Means of single-article delivery from containers. 1,461,981; July 17.

Newton, Merle M., Colorado Springs, Colo. Separator. 1,462,121; July 17.

Nisbet, David F., Crafton, assignor to Mackintosh-Hemphill Company, Pittsburgh, Pa. Manipulator for rolling mills. 1,462,454; July 17.

Nissen, Eugene F., Alameda, Calif. Envelope machine. 1,461,827; July 17.

Nitrum Aktiengesellschaft. (See Siebert, Werner, assignor.)

Nobiensky, Walter W., Janesville, Wis. Steam board. 1,461,930; July 17.

Nordmeyer, Louis C., St. Louis, Mo. Process and apparatus for making ice. 1,461,828; July 17.

Norwood, John E., Baltimore, Md. Piston ring. 1,462,043; July 17.

Oberst, Frank, Glendale, N. Y., assignor to Sonora Phonograph Corporation. Tone arm. 1,461,829; July 17.

O'Connor, Martin J., Ogden, Utah. Cylinder lock. 1,462,299; July 17.

O'Flaherty, Leo F., and W. L. Kirkpatrick, Elgin, Ill. Valve. 1,462,147; July 17.

Ogden, J. Edward. (See Tomkinson, Charles C., assignor.)

Ogden, Jacob W. (See Pitney, A. H., and Ogden.)

Ogden, John E., Mountainville, N. Y. Sectional door. 1,462,044; July 17.

Ohio Brass Company, The. (See Chandler, Homer P., assignor.)

Ohio Brass Company, The. (See Matthes, Samuel S., assignor.)

Ohio Brass Company, The. (See Wood, Arthur C., assignor.)

Olsen, Hans A. (See Raasch, August J. and E. H., and Olsen.)

O'Neil, Rodolph S., London, England. Electrical indicating device. 1,461,830; July 17.

Osborn-Crew Manufacturing Company, The. (See Rose, Jacob B., assignor.)

Osmondson, Osmond A., Chicago, Ill. Hand feed for drill presses. 1,461,931; July 17.

Ostrowski, Bennie F., San Jose, Calif. Vanity case. 1,462,376; July 17.

Oswald, Louis N., Orleans, Nebr. Clothespin. 1,461,982; July 17.

Owens Bottle Company, The. (See Williams, P. Q., and Sourbier, assignors.)

P & M Company, The. (See Berkeley, Laurence J., assignor.)

P & M Company, The. (See Warr, Harold G., assignor.)

Packard Motor Car Company. (See Vincent, Jesse G., assignor.)

Painter, John A., Hominy, Okla., and H. G. McCullough, Angola, N. Y. Pipe clamp and wrench. 1,462,377; July 17.

Panario, Eugene F., and W. B. Cross, Sacramento, Calif. Racing device. 1,462,242; July 17.

Parker, Fred J., Moose Jaw, assignor of two-fifths to T. F. Acheson, Yorkton, Saskatchewan, Canada. Cover remover. 1,461,983; July 17.

Parker, Ralzemond D., and B. P. Hamilton, Brooklyn, N. Y., assignors to American Telephone and Telegraph Company. Secret-communication system. 1,461,785; July 17.

Parmentier, Frank, Philadelphia, Pa. Water-turbine construction. 1,462,070; July 17.

Parrott, Willard H., Los Angeles, Calif. Clip guide. 1,462,300; July 17.

Parsons, Frederick W., Elmira, N. Y., assignor to Ingersoll-Rand Company, Jersey City, N. J. Plate-valve unloader. 1,462,301; July 17.

Parsons, John H., Ferndale, Mich. Gasoline-reserve-supply apparatus. 1,461,805; July 17.

Paull, Archibald W., and A. L. Edwards, assignors to Wheeling Stamping Company, Wheeling, W. Va. Collapsible-tube-coating mechanism for tube-printing machines. 1,461,761; July 17.

Pearson, Richard E., London, and E. N. Craig, Ham Common, assignors to Metal Patents Limited, London, England. Electrolytic treatment of metalliferous materials containing metals of the chromium group. 1,462,421; July 17.

Pech, Paul L. E., Narbonne, France. Soap. 1,462,243; July 17.

Peerless Insulated Wire and Cable Company, The. (See Cook, William E., assignor.)

Pendergast, Frederick W., Cambridge, Mass. Mop. 1,461,762; July 17.

Penkse, Stanley, Long Island City, N. Y. Toy. 1,461,932; July 17.

Percsényi, Paul, East Pittsburgh, Pa. Enamel-shingle construction. 1,462,212; July 17.

Perhats, Paul, Chicago, Ill. Vegetable slicer, cutter, and nutcracker. 1,462,148; July 17.

Pero, Bertram S., Schenectady, N. Y., assignor to General Electric Company. Speed control for machine tools and the like. 1,462,354; July 17.

Petermann, Otto, assignor to Corona Typewriter Company, Inc., Groton, N. Y. Typewriting machine. 1,461,734; July 17.

Peters, Karl R., Philadelphia, Pa. Motor vehicle. 1,461,735; July 17.

Petersen, Anker, Winthrop, Mass. Carrier-controlling device for braiding machines. 1,462,213; July 17.

Petersen, Hans P., assignor to Glent & Hassenkamm Ltd., Copenhagen, Denmark. Valve device for duplex pumps. 1,462,122; July 17.

Peth, Herman W., Baltimore, Md. Pressing iron. 1,462,355; July 17.

Petty, Thomas E., Washington, D. C. Bottle receptacle. 1,462,356; July 17.

Pfeifer, Frank A., and C. Naab, Newark; said Naab assignor to T. Mills, Maplewood, N. J. Game apparatus or amusement devices. 1,462,179; July 17.

Pfeiffer, Fred B., Akron, Ohio. Tire construction. 1,461,984; July 17.

Pflanze, Charles F., St. Louis, Mo. Machine for making window envelopes. 1,462,149; July 17.

Phelps, Theophilus J., Woodville, N. C. Peanut picker. 1,462,123; July 17.

Phillips, Ellis J. G., assignor to Richards-Wilcox Manufacturing Company, Aurora, Ill. Sliding door and track therefor. 1,462,302; July 17.

Plaser, Abraham, Elmhurst, assignor to Rosenwasser Bros., Inc., Astoria, N. Y. Nail-extracting apparatus. 1,462,045; July 17.

Pierce, Alfred L., Wallingford, Conn. Cut-out box. 1,462,124; July 17.

Pierce, E. Ralph, Rochester, assignor to Monarch Governor Company, Detroit, Mich. Speed governor for internal-combustion engines. 1,461,933; July 17.

Piper, Walter A., and A. V. Naegele, Chicago, Ill. Toy aeroplane. 1,462,244; July 17.

Pitney, Arthur H., and J. W. Ogden, assignors to Universal Postal Machines Corporation, Stamford, Conn. Register for postage-marking machine. 1,461,934; July 17.

Pittoni, Louis E. (See Sigbower, G. F., and Pittoni.)

Pittsburgh Plate Glass Company. (See Rehm, Benjamin, assignor.)

Poirette Corsets, Inc. (See Robbins, Philip H., assignor.)

Pope, Joseph H., Hamilton, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J. Jack. 1,461,786; July 17.

Pope, Joseph H., Hamilton, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J. Nail-transferring mechanism. 1,461,784; July 17.

Pope, Joseph H., Hamilton, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J. Work support. 1,461,785; July 17.

Pope Machine Company. (See La Montagne, Patrick P., assignor.)

Pope Machine Company. (See Randall, Edison E., assignor.)

Pound, Harry L. (See Adams, W. R., and Pound.)

Prentiss, William A., Holyoke, Mass. (Collapsible spool. 1,461,736; July 17.

Quade, Fritz, Berlin, Germany. Manufacturing compounds soluble in water of diethylbarbituric acid and its homologues. 1,461,831; July 17.

Raasch, August J. and E. H., and H. A. Olsen, Milwaukee, Wis. Potato digger. 1,461,935; July 17.

Raasch, Edward H. (See Raasch, August J. and E. H., and Olsen.)

Radio Corporation of America. (See Clark, George H., assignor.)

Ramsden, Henry, Bradford, England. Cover or gaiter for laminated vehicle spring. 1,461,832; July 17.

Randall, Edison E., assignor, by mesne assignments, to Pope Machine Company, Kankakee, Ill. Machine for uniting looped fabrics. 1,462,378; July 17.

Ransomes & Rapier Limited. (See Lewis, Robert S., assignor.)

Rappleye, Frank A., Silver Creek, N. Y., assignor to Allen & Co. Inc., New Haven, Conn. Saw jointer. 1,461,763; July 17.

Reddig, Charles E., Richmond Hill, assignor to Western Electric Company, Incorporated, New York, N. Y. Clutch mechanism. 1,462,046; July 17.

Reece Button Hole Machine Company, The. (See Hagelstein, Christian H. T., assignor.)

Regan Safety Devices Company, The. (See Shaver, Archibald G., assignor.)

Regiein, Carl W., Houston, Tex. Tool or implement case. 1,462,245; July 17.

Rehm, Benjamin, Crystal City, Mo., assignor to Pittsburgh Plate Glass Company. Beveled-glass-polishing machines. 1,462,303; July 17.

Renick, Thomas M., Morgantown, W. Va. Wrench. 1,462,246; July 17.

Rennerfelt, Ture G., Stockholm, Sweden. Roller bearing. 1,462,379; July 17.

Reynolds, John N., Greenwich, Conn., assignor to Western Electric Company, Incorporated, New York, N. Y. Crossbar line switch. 1,462,047; July 17.

Rhodes, James H., & Company. (See Roth, Arthur J., assignor.

Richards, John W., Coseley, near Bilston, assignor to A. Harper Sons and Bean Limited, Dudley, Worcestershire, England. Sand or like mixing machine. 1,461,936; July 17.

Richards, Tregarthen D., Marrickville, near Sydney, New South Wales, Australia. Apparatus for cleaning and clarifying used lubricating oil. 1,462,048; July 17.

Richards-Wilcox Manufacturing Company. (See Phillips, Ellis J. G., assignor.)

Richardson, Earl H., Ontario, Calif., assignor, by mesne assignments, to Majestic Electric Development Company. Electric heater. 1,462,380; July 17.

Richter, Georg W., Crimmitschau, Germany. Machine for working skins, hides, and leather. 1,462,180; July 17.

Riddel, Sherrod, Springfield, assignor of one-fourth to W. W. Albright, one-fourth to W. Lahners, Decatur, and one-fourth to J. J. Graham, Springfield, Ill. Automatic switch stand. 1,461,937; July 17.

Rieman, Paul, Rochester, N. Y. Vacuum cleaner. 1,462,071; July 17.

Rinesi, Giovanni, Genoa, Italy. Hoisting and lowering collapsible lifeboats. 1,462,422; July 17.

Rissmann, Paul, assignor to Fisher Body Corporation, Detroit, Mich. Cord anchor. 1,462,125; July 17.

Rittman, Walter F., Pittsburgh, Pa. Treatment of hydrocarbons. 1,462,247; July 17.

Rivolis, Samuel, Philadelphia, Pa. Fastening device for wearing apparel. 1,462,049; July 17.

Roach-Cuming, Arthur J., London, England. Vacuum vessel, slab, partition, and other double-walled vacuum structure. 1,462,092; July 17.

Robbins, Philip H., assignor to Poirette Corsets, Inc., New York, N. Y. Corset. 1,462,423; July 17.

Roberts, Urban H. (See Lawrence, Oscar A., assignor.)

Robertson, Florence L., Fergus Falls, Minn. Stove cover. 1,461,856; July 17.

Roché, Jean A., Dayton, Ohio. Landing gear for airplanes. Re15,656; July 17.

Rockwell, Robert L., and E. G. Howe, assignors, by mesne assignments, to E. G. Howe, trustee, Seattle, Wash. Automatic semaphore signal system. 1,462,248; July 17.

Rockwell, Robert L. (See Treiman, I. A., and Rockwell.)

Rose, Jacob B., assignor to The Osborn-Crew Manufacturing Company, Cleveland, Ohio. Supporting device. 1,461,938; July 17.

Rosenwasser Bros. Inc. (See Plaser, Abraham, assignor.)

Ross, John, Philadelphia, Pa. Discharging conveyer. 1,462,126; July 17.

Roth, Arthur J., assignor to James H. Rhodes & Company, Chicago, Ill. Steel-wool-making machine. 1,462,181; July 17.

Rudnick, Jacob, New York, N. Y. Means for feeding adhesive material to box-making machines. 1,461,737; July 17.

Rudolph, Harold V., Charlottesville, Va., assignor to American Automatic Train Control Corporation, Baltimore, Md. Speed-control mechanism for vehicles. 1,462,357; July 17.

Rudolph, Harold V., assignor to American Automatic Train Control Corporation, Baltimore, Md. Speed-control mechanism for vehicles. 1,462,358; July 17.

Rumpf, John, Jersey City, N. J., assignor to The Safety Car Heating & Lighting Company. Reducing valve. 1,461,738; July 17.

Rushing, Clyde M., Bozeman, Mont. Liquid-fuel burner. 1,462,072; July 17.

S. D. S. Experimental Laboratories Company. (See Spikes, Richard B., assignor.)

Safety Car Heating & Lighting Company, The. (See Rumpf, John, assignor.)

Saffold, Ray P., Bisbee, Ariz. Tractor. 1,462,304; July 17.

Sager, Edgar R., U. S. Army. Wire cart. 1,461,939; July 17.

Sametz, James, New York, N. Y. Propeller screw. 1,462,424; July 17.

Sanders, Albert C., Helena, Ark. Shield. 1,462,127; July 17.

Sanford, Andrew J., assignor to A. H. Heisey & Co., Newark, Ohio. Pitcher. Des. 62,675; July 17.

Schaller, Alice E., et al. (See Schaller, William F., assignor.)

Schaller, Elizabeth, et al. (See Schaller, William F., assignor.)

Schaller, William F., assignor of five-tenths to E. Schaller, three-tenths to A. E. Schaller, and two-tenths to C. A. Shoeneman, San Francisco, Calif. Tray-turing machine. 1,462,468; July 17.

Schenk, Ernest E., Webster City, Iowa. Translational sectional-mold assemblage. 1,461,940; July 17.

Schley, George L., Chicago, Ill. Lamp shade. Des. 62,676; July 17.

Schmidt, Albert, Paris, France. Waterproofing composition. 1,462,381; July 17.

Schmitt, Michael P., North Chicago, Ill. Guide for grinding devices. 1,461,885; July 17.

Schneider & Cie. (See Schneider, Jean J. M. A. E., assignor.)

Schneider, Charles, Hackett, Ark. Resilient tire. 1,461,986; July 17.

Schneider, Jean J. M. A. E., assignor to Schneider & Cie., Paris, France. Arming of aeroplanes. 1,461,833; July 17.

Schoenfeld, Louis N., et al. (See Youlten, William, assignor.)

Scholz, Edward. (See Stalder, E. J., and Scholz.)

Schönfeld, Paul, Bochum-Weitmar, Germany. Gripping device for lifts and the like. 1,462,382; July 17.

Schrader's, A., Son, Incorporated. (See Myers, Eugene V., assignor.)

Scriven, Edward O., assignor to Western Electric Company, Incorporated, New York, N. Y. Switching device. 1,462,050; July 17.

Schulze, William H., assignor to Stewart-Warner Speedometer Corporation, Chicago, Ill. Drive connection for travel-indicating instruments. 1,461,806; July 17.

Schulze, William H., assignor to Stewart-Warner Speedometer Corporation, Chicago, Ill. Transmission drive. 1,461,941; July 17.

Scott, William M., Tredyffrin Township, Chester County, Pa. Switching apparatus. 1,461,942; July 17.

Seager, Elmer F., Detroit, Mich., assignor of one-half to R. C. Sturgeon, Windsor, Canada. Condenser. 1,462,214; July 17.

Searle, Stuart C. (See Fuller, Wellington G., assignor.)

Seemann, Jacob J., assignor to Utica Heater Company, Utica, N. Y. Heater-casing construction. 1,461,943; July 17.

Segal, Samuel, New York, N. Y. Key-duplicating machine. 1,462,150; July 17.

Seifert, August, assignor to Robert Gair Company, Brooklyn, N. Y. Counter carton. 1,462,051; July 17.

Seitz, Oskar. (See Jonas, J., and Seitz.)

Setter, Micheal, assignor to Automatic Electric Company, Chicago, Ill. Impulse sender. 1,461,944; July 17.

Seymour, Benjamin F., Washington, D. C. Resilient transmission. 1,462,383; July 17.

Seymour, Benjamin F., Washington, D. C. Combined resilient bearing and transmission. 1,462,384; July 17.

Seymour, Benjamin F., Washington, D. C. Combined resilient bearing and transmission. 1,462,385; July 17.

Seymour, Benjamin F., Washington, D. C. Combined resilient bearing and transmission. 1,462,386; July 17.

Seymour, James M., Newark, N. J. Multiple propeller fan. 1,462,151; July 17.

Shanley, William C., Des Moines, Iowa. Device for connecting suction pipes to tanks and other receptacles. 1,461,945; July 17.

Shaver, Archibald G., Chicago, Ill., assignor to The Regan Safety Devices Company, Inc., New York, N. Y. Train-control shoe mechanism. 1,462,073; July 17.

Shaw, John T., assignor of one-half to H. W. Applegate, Jonesboro, Ark. Smoking-pipe attachment. 1,462,425; July 17.

Shoeneman, Chas. A., et al. (See Schaller, William F., assignor.)

Sichel, John, et al. (See Grundy, Alfred A., assignor.)

Siebert, Werner, Laufenburg, assignor to Nitrum Aktiengesellschaft, Zurich, Switzerland. Obtaining nitric acid by means of the electric arc in a closed cycle. 1,462,062; July 17.

Sievert, Paul E., Watertown, Wis. Rack for drying seed corn. 1,461,946; July 17.

Silbermann, Kellmann, La Chaux-de-Fonds, Switzerland. Driving mechanism for clocks and the like. 1,461,739; July 17.

Silent Motor Corporation, The. (See Wilkinson, E. E., and Aronson, assignors.)

Silver, Albert, Tonopah, Nev., assignor to The Merrill Company. Treating ores. 1,461,807; July 17.

Silver, Emmor W., assignor to The Silver Manufacturing Company, Salem, Ohio. Ensilage cutter. 1,461,764; July 17.

Silver Manufacturing Company, The. (See Silver, Emmor W., assignor.)

Sisbower, George F., Bayside, and L. E. Pittoni, New York, assignors to Manhattan-Rome Company, Branch of Rome Metallic Bedstead Co., Long Island City, N. Y. Couch hammock. 1,461,740; July 17.

Slade, Budd E., Cozad, Nebr. Straw spreader for harvesting and thrashing machine. 1,462,387; July 17.

Slama, Lewis, Humboldt, Nebr. Tire-chain tightener and lock. 1,462,249; July 17.

Slattery, Martin F., and H. McAlonie, Cohoes, N. Y. Flat-bed printing press. 1,462,250; July 17.

Slauson, Stephen A., assignor of twenty-five one-hundredths to J. H. Brookman and twenty-five one-hundredths to L. O. Hatch, Cedar Rapids, Iowa. Automatic clamp bolt. 1,461,882; July 17.

Slough, Frank M., assignor to The Stromberg-Carlson Telephone Manufacturing Company, Rochester, N. Y. Sequence switch. 1,462,251; July 17.

Sly, W. W., Manufacturing Company, The. (See Moore, Edward J. and R. H., assignors.)

Smiley, Albert J., Philadelphia, Pa. Device for inserting laces under shoe uppers. 1,461,834; July 17.

Smith, Ellsworth F., Denver, Colo. Iron spool for wire cables of oil wells. 1,462,388; July 17.

Smith, Floyd Aerial Equipment Company. (See Smith, Floyd, assignor.)

Smith, Floyd, Dayton, Ohio, assignor to Floyd Smith Aerial Equipment Company. Parachute pack and harness, etc. 1,462,456; July 17.

Smith, Frederick G., New Bedford, assignor of one-half to I. N. Babbitt, Fairhaven, Mass. Centering means for spindles. 1,462,215; July 17.

Smith, Lemon M., Clairton, Pa. Automobile fender. 1,462,152; July 17.

Smith, Norman H., Ottawa, Ontario, Canada. Stump sock. 1,461,987; July 17.

Smith's Dock Company Limited. (See Thompson, Herbert A., assignor.)

Snelling, Walter O., Allentown, Pa. Beverage. 1,461,808; July 17.

Snelling, Walter O., Allentown, Pa., assignor to Trojan Powder Company, New York, N. Y. Detonator. 1,462,074; July 17.

Snelling, Walter O., Allentown, Pa., assignor to Trojan Powder Company, New York, N. Y. Detonator composition. 1,462,075; July 17.

Snyder, Walter, assignor of one-half to R. L. Hatfield, Newark, N. J. Apparatus for applying heads to music-roll tubes. 1,462,305; July 17.

Sonnenfeld, Max, New York, N. Y. Garment support. 1,462,389; July 17.

Sonora Phonograph Corporation. (See Oberst, Frank, assignor.)

Soubier, Leonard D. (See Williams, P. Q., and Soubier.)

Spencer Elevator Co. (See Day, Wallace E., assignor.)

Spencer, Frank M. (See Day, Wallace E., assignor.)

Speer, Arthur R. (See Knox, William J., assignor.)

Spikes, Richard B., assignor to S. D. S. Experimental Laboratories Company, San Francisco, Calif. Pantograph. 1,461,988; July 17.

Spiro, Max, New York, N. Y. Watchcase. 1,462,076; July 17.

Sporer, Paul, Chicago, Ill. Window-cleaning device. 1,461,947; July 17.

St. John, Archibald D., Maplewood, N. J. Plasticiser for cellulose plastics. 1,462,306; July 17.

St. Onge, Amasa, Providence, R. I. Damper-controlling means for cotton-picking machine. 1,462,307; July 17.

Stalder, Edward J., and E. Scholz, Chicago, Ill. Gasoline reserve valve. 1,462,216; July 17.

Stalder, Edward J., and E. Scholz, Chicago, Ill. Gasoline reserve valve. 1,462,217; July 17.

Star Contrapropeller Ltd. A./S. (See Wagner, Rudolf, assignor.)

Starr, Leo V. (See Kysela, Rudolph, assignor.)

Stavig, Olaf, Seattle, Wash. Self-service store directory. 1,462,390; July 17.

Stebber, Emil O., Flagstone, British Columbia, Canada. Rim. 1,462,426; July 17.

Stebbins, Frank E., Washington, D. C. Kinetic-energy-transforming means for cars. 1,461,787; July 17.

Stebbins, Frank E., Washington, D. C. Kinetic-energy-transforming means for cars, bumpers, etc. 1,461,788; July 17.

Sterrett, Walter R., assignor to H. L. Dixon Company, Carnegie, Pa. Leer conveyer. 1,462,427; July 17.

Stewart-Warner Speedometer Corporation. (See Schulze, William H., assignor.)

Stewart-Warner Speedometer Corporation. (See Wood, Andrew C., assignor.)

Stewart, William C., Swampscott, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J. Blank-sorting machine. 1,461,789; July 17.

Stockham, Charles E., Oskaloosa, Iowa. Poultry coop. 1,461,989; July 17.

Stokes, Robert J., Trenton, assignor to Thermoid Rubber Company, Hamilton Township, N. J. Brake block. 1,462,391; July 17.

Stoller, Hugh M., assignor to Western Electric Company, Incorporated, New York, N. Y. Electrical testing system. 1,462,053; July 17.

Stoltz, John L., Sumner, Ill. Vehicle wheel. 1,462,128; July 17.

Stosik, Boleslaw, Denver, Colo. Internal-combustion engine. 1,461,948; July 17.

Strack, Herman. (See Hansmann, P., and Strack.)

Strickland, Erve C., San Jose, Calif. Electric heater. 1,462,392; July 17.

Stromberg-Carlson Telephone Manufacturing Company. (See Slough, Frank M., assignor.)

Stromberg-Carlson Telephone Manufacturing Company, The. (See Taggart, John A., assignor.)

Stromberg Motor Devices Company. (See Cole, D., and Gustafson, assignors.)

Strong, William M., San Francisco, Calif. Oil-shale retort. 1,462,023; July 17.

Stroud, Chester H., deceased, Hubbell, assignor of one-half to N. M. Gillies, Lake Linden, Mich.; M. Yauch, administrator. Self-contained blow-off valve. 1,461,835; July 17.

Stull, David L., Birmingham, Ala. Cone-baking machine. 1,461,836; July 17.

Stump, Lloyd M. (See Jones, Thomas E., assignor.)

Sturgeon, Robert C. (See Seager, Elmer F., assignor.)

Sturman, Robert E., Delano, Minn. Furnace grate. 1,462,393; July 17.

Sultzer, Morton, Brooklyn, N. Y., assignor to American Telephone and Telegraph Company. Maximum-voltage indicator. 1,461,790; July 17.

Sundin, Oscar T., Providence, R. I., assignor to David H. Zell, Incorporated. Article holder. 1,461,837; July 17.

Svenska Aktiebolaget Bromsregulator. (See Djurson, Axel R. K., assignor.)

Sweet, Melvin A., and G. W. Britton, Hamilton, Ontario, Canada. Dial-scale printing device. 1,461,949; July 17.

Swift, George W., jr., Bordentown, N. J. Cover-fastening device for paper pails. 1,462,153; July 17.

Swisher, R. D., Mfg. Co. (See Gudgel, E. D., and Corey, assignors.)

Sydeman, Abraham. (See Thoma, Andrew, assignor.)

Taddeo, Luigi, Cleveland, Ohio. Fountain pen. 1,461,838; July 17.

Taggart, John A., assignor to The Stromberg-Carlson Telephone Manufacturing Company, Rochester, N. Y. Telephone-signal-allotting system. 1,462,252; July 17.

Tangee, Hedvig, New York, N. Y. Level. 1,462,054; July 17.

Taylor, John B. (See Muller, G., and Hill, assignors.)

Taylor-Wharton Iron and Steel Company. (See Apgar, Stanley, assignor.)

Techno Service Corporation. (See Haas, Rudolf, assignor.)

Temple, Frank J., assignor to Union Iron Works, Decatur, Ill. Snapped-corn separator. 1,462,428; July 17.

Tenneson, Henry M., Galesburg, N. Dak. Grain-car door. 1,461,839; July 17.

Terry, George W., Nashville, Tenn. Dust cap. 1,462,394; July 17.

Texas Company, The. (See Manley, Frederick T., assignor.)

Thermoid Rubber Company. (See Stokes, Robert J., assignor.)

Thoma, Andrew, Cambridge, assignor to A. Sydeman, Boston, Mass. Doubling spreader. 1,462,154; July 17.

Thomas & Buckley Hoisting Co. (See Cosulich, Matteo, assignor.)

Thomas, Owen. (See Foster, H. J., and Thomas.)

Thompson, Herbert A., North Shields, assignor of one-half to Smith's Dock Company Limited, South Shields, England. Construction of spraying nozzles or atomizers. 1,462,395; July 17.

Thompson, William D., and A. R. Wilson, assignors to Hutchins Car Roofing Company, Detroit, Mich. Car-end construction. 1,451,883; July 17.

Thurston, Ernest B., assignor to The Haughton Elevator & Machine Co., Toledo, Ohio. Electromagnet. 1,462,129; July 17.

Tiebler, Elizabeth A., Paterson, N. J. Toy animal. Des. 62,677; July 17.

Tilstra, Albert R., South Holland, Ill. Tractor attachment. 1,462,155; July 17.

Timson, William, assignor to W. & T. Avery, Limited, Birmingham, England. Pendulous automatic weighing scale. 1,461,741; July 17.

Tin Decorating Company of Baltimore, The. (See Connor, Martha H., assignor.)

Tobiasson, Nells, Orton, Alberta, Canada. Automatic funnel. 1,462,253; July 17.

Tobis, Frank, and F. Jarzyna, Chicago, Ill. Auto rear-axle differential mechanism. 1,462,204; July 17.

Tomkinson, Charles C., Plainfield, N. J., assignor to J. E. Ogden, Mountainville, N. Y. Concrete insert. 1,461,742; July 17.

Tonso, Domenick, New York, N. Y. Vacuum-cleaner attachment. 1,462,218; July 17.

Toth, John, Bartonville, Ill. Beehive. 1,461,950; July 17.

Toy Business Corporation. (See Lo Cascio, Pasquale, assignor.)

Trask, Albert S., Concord, N. H. Combined lamp and bookrack. Des. 62,678; July 17.

Treadwell Engineering Company. (See Mikaelson, E. W., and Neave, assignors.)

Treiman, Isak A., and R. L. Rockwell, Seattle, Wash.; said Rockwell assignor of one-fourth to said Treiman. Lock. 1,461,857; July 17.

Treischel, Chester C., Schenectady, N. Y., assignor to General Electric Company. Porcelain. 1,462,396; July 17.

Trinks, Franz, Brunswick, Germany. Calculating machine. 1,462,397; July 17.

Trogner, Roland S., assignor to The Goodyear Tire & Rubber Company, Akron, Ohio. Tire machine. 1,462,465; July 17.

Trojan Powder Company. (See Snelling, Walter O., assignor.)

Trojan Powder Company. (See Waller, Charles E., assignor.)

Trucksess, Andrew P., Camden, N. J. Sign. 1,462,156; July 17.

Tutt, Montague W., assignor of one-half to Hulburd Engineering Company, Limited, London, England. Force pump. 1,462,308; July 17.

Tuttle, Wallace W., Detroit, Mich. Tractor wheel. 1,461,951; July 17.

Union Iron Works. (See Temple, Frank J., assignor.)

United Alloy Steel Corporation. (See Frahm, Carl A., assignor.)

United Engineering and Foundry Company. (See Johnson, Lane, assignor.)

United Shoe Machinery Corporation. (See Conner, Charles E., assignor.)

United Shoe Machinery Corporation. (See Pope, Joseph H., assignor.)

United Shoe Machinery Corporation. (See Stewart, William C., assignor.)

Universal Crane Company, The. (See Deucher, Eugene G., assignor.)

Universal Industrial Corporation. (See Feige, Adolph E., assignor.)

Universal Postal Machines Corporation. (See Pitney, A. H., and Ogden, assignors.)

Utica Heater Company. (See Seemann, Jacob J., assignor.)

Vallone, Romeo. (See Frascadore, M., and Vallone.)

Van Nostrand, Paul E., Lyons, Nebr. Auto appliance. 1,462,398; July 17.

Verlinden, Edmond, Milwaukee, Wis. Adjustable combination stop action for organs. 1,462,429; July 17.

Vernon, Emma L. (See Lockhart, Howard, assignor.)

Vester, Alfred, Sons, Inc. (See Warman, Percy S., assignor.)

Viehmann, Albert. (See Wiegandt, Carl, assignor.)

Vignon, Louis E., Tarare, assignor to Les Successeurs d'Albert Godde, Bedin & Co., Lyon, France. Apparatus for humidifying air. 1,461,840; July 17.

Vincent, Jesse G., assignor to Packard Motor Car Company, Detroit, Mich. Hydrocarbon motor. 1,461,990; July 17.

Vincent, Sidney C., et al. (See Wisch, Edward W. and W. J., assignors.)

Vogel, Paul H., New Britain, Conn. Spirit level. 1,462,430; July 17.

Volkman, Frederick C., et al. (See Wisch, Edward W. and W. J., assignors.)

Von Hambach, Ernest, Chicago, Ill., assignor to H. D. Lafferty, Oakland, Calif. Timer. 1,462,309; July 17.

Von Porat, Karl H. Y., Stockholm, assignor to Motala Verkstads Nya Aktiebolag, Motala Verkstad, Sweden. Furnace for pulverous fuel. 1,462,310; July 17.

Votaw, Homer S., Chopaka, Wash. Safety apparatus for railway rolling stock. 1,462,254; July 17.

W. & T. Avery, Limited. (See Timson, William, assignor.)

Wagner, Albert, assignor, by mesne assignments, to The Wemb Company, Cincinnati, Ohio. Carburetor. 1,462,219; July 17.

Wagner, Edward A., Fort Wayne, Ind., assignor to General Electric Company. Electrically-heated tool. 1,462,431; July 17.

Wagner, Rudolf, Hamburg, Germany, assignor to Star Contrapropeller Ltd. A./S., Christiania, Norway. Screw propeller. 1,461,841; July 17.

Wajdic, Petar, Pleasant Unity, Pa. Tire pump. 1,462,432; July 17.

Walchli, George H., assignor to Kant-Break Ladders, Inc., St. Louis, Mo. Extension ladder. 1,461,952; July 17.

Walker, Fred, Neepawa, Manitoba, Canada. Siding tightener. 1,461,991; July 17.

Waller, Charles E., Allentown, Pa., assignor to Trojan Powder Company, New York, N. Y. Detonator composition. 1,462,093; July 17.

Wallis, Norman V., San Antonio, Tex. Trap. 1,462,399; July 17.

Walsh, Harry C. H., Chicago, Ill., assignor to Continental Can Company, Inc., Syracuse, N. Y. Gang die press. 1,462,094; July 17.
Wanerman, Hyman, New York, N. Y. Bowl or similar article. Des. 62,679; July 17.
Wanerman, Hyman, New York, N. Y. Bowl or similar article. Des. 62,680; July 17.
Ward, Artemas. (See Giles, Harvey, assignor.)
Warman, Percy S., Roselle, N. J., assignor to Alfred Vester Sons, Inc., Providence, R. I. Plate for lighting fixtures. Des. 62,681; July 17.
Warner, Alonzo A., assignor to Landers, Frary & Clark, New Britain, Conn. Vacuum cleaner. 1,461,809; July 17.
Warner and Swasey Company, The. (See Birhanzl, Otto W., assignor.)
Warr, Harold G., Park Ridge, assignor to The P & M Company, Chicago, Ill. Rail anchor. 1,462,157; July 17.
Warren, Alice N., Reno, Nev. Comb and brush. 1,462,400; July 17.
Warren, Henry E., Ashland, Mass., assignor to General Electric Company. Magnetic suspension. 1,462,433; July 17.
Way, Edward J., assignor to Bioscope Improvements Limited, Johannesburg, Transvaal, South Africa. Reel for cinematograph film and the like. 1,462,401; July 17.
Weber, Edwin P., Chicago, Ill. Tire tread. Des. 62,682; July 17.
Weber, Henry E., Canton, Ohio. Dental tray. 1,461,765; July 17.
Weber, Henry L., Louisville, Ky. Dispensing apparatus. 1,461,992; July 17.
Webster, Charles E., Winthrop, Minn. Railway-freight-car door. 1,462,402; July 17.
Weeks, Carl, Des Moines, Iowa. Talcum-powder box. Des. 62,683; July 17.
Weeks, Carl, Des Moines, Iowa. Perfume bottle. Des. 62,684; July 17.
Weeks, John W., Secretary of War of the United States of America. (See Holmes, Bradford B., assignor.)
Wehner, Georg M., Dresden, Germany. Disk spooling machine. 1,461,953; July 17.
Weigel, Daniel M., Chicago, Ill. Internal-combustion engine. 1,462,182; July 17.
Wemb Company, The. (See Wagner, Albert, assignor.)
Wendel, Ada B., Smithland, Iowa. Magazine rack. 1,462,434; July 17.
Wendt, Charles A., Milwaukee, Wis. Billiard table. Des. 62,685; July 17.
Wernimont, Frank T., assignor to The Hall Manufacturing Company, Cedar Rapids, Iowa. Metal-basket-corrugating machine. 1,462,457; July 17.
Wescoat, Lewis C., Elmhurst, assignor to Western Electric Company, Incorporated, New York, N. Y. Interlocking knife switches. 1,462,055; July 17.
West, Charles L., Franklin, N. C. Pile lifter. 1,462,435; July 17.
West, Clifton, London, England. Packing and delivering gramophone and like needle. 1,462,056; July 17.
Western Electric Company. (See Booth, William T., assignor.)
Western Electric Company. (See Egerton, Henry C., assignor.)
Western Electric Company. (See Fondiller, William, assignor.)
Western Electric Company. (See Hartley, Ralph V. L., assignor.)
Western Electric Company. (See Hendrickson, Charles J., assignor.)
Western Electric Company. (See Hosford, William F., assignor.)
Western Electric Company. (See Lum, George R., assignor.)
Western Electric Company. (See Reddig, Charles E., assignor.)
Western Electric Company. (See Reynolds, John N., assignor.)
Western Electric Company. (See Scriven, Edward O., assignor.)
Western Electric Company. (See Stoller, Hugh M., assignor.)
Western Electric Company. (See Wescoat, Lewis C., assignor.)
Western Electric Company. (See Wold, Peter L., assignor.)
Westinghouse Electric and Manufacturing Company. (See Allcutt, Chester T., assignor.)
Westinghouse Electric and Manufacturing Company. (See Kasley, Alexander T., assignor.)
Westinghouse Lamp Company. (See Lederer, Anton, assignor.)
Westman, Adolf J., Montreal, Quebec, Canada. Map-display device. 1,461,842; July 17.
Weston, Leroy A., Adams, Mass. Apparatus for forming pipe joints. 1,462,077; July 17.
Wetzel, Charles E. (See La Wall, H. J., and Wetzel.)
Weyrauch, Ewald W., Rochester, N. Y. Expansible coupling member. 1,461,767; July 17.
Wheeler, Arthur S., New York, N. Y. Variable carriage-feed mechanism for typewriters. 1,462,183; July 17.
Wheeling Stamping Company. (See Paull, A. W., and Edwards, assignors.)
Whitaker, Richard, Bradley Beach, assignor, by mesne assignments, to Brunswick-Kroeschell Company, New Brunswick, N. J. Expansion valve. 1,462,468; July 17.
White, John F., assignor to White Products Company, Chicago, Ill. Automobile radiator attachment. 1,462,403; July 17.
White, John F., assignor to White Products Company, Chicago, Ill. Theft-preventing device. 1,462,404; July 17.
White, John F., assignor to White Products Company, Chicago, Ill. Theft-preventing device. 1,462,405; July 17.
White, John W., assignor to General Motors Corporation, Detroit, Mich. Drag link and making same. 1,462,467; July 17.
White Products Company. (See White, John F., assignor.)
Wiegand, Andrew J., Baltimore, Md. Tire. 1,461,766; July 17.
Wiegandt, Carl, assignor of one-half to A. Viehmann, Barmen, Germany. Label. 1,462,220; July 17.
Wiel, Ell H., assignor to Buckingham & Hecht, San Francisco, Calif. Shoe or boot. 1,462,095; July 17.
Wiemer, Charles D., Los Angeles, Calif. Direction signal. Des. 62,686; July 17.
Wiertz, Peter H., New York, N. Y. Machine for removing and crushing rock. 1,462,096; July 17.
Wiggiaton, George P., assignor to Kalamazoo Loose Leaf Binder Co., Kalamazoo, Mich. Temporary binder or loose-sheet holder. 1,461,954; July 17.
Wildmer, Franz, Buschullersdorf, near Reichenberg, in Bohemia, Czechoslovakia. Silencer for firearms. 1,462,158; July 17.
Wilkinson, Elmer E., and S. Aronson, assignors, by mesne assignments, to The Silent Motor Corporation, Brooklyn, N. Y. Adjustable bearing for spring motors. 1,461,858; July 17.
Wilkinson, Herbert, Empress, Alberta, Canada. Whip holder. 1,461,993; July 17.
Willey, Joseph L. (See Ewing, S. E. T., and Willey.)
Williams, Bert C., Ocean Park, Calif. Savings bank. 1,462,184; July 17.
Williams, David L., Bessemer, Ala. Pipe-forming plant. 1,462,311; July 17.
Williams Manufacturing Company. (See Williams, Ralph E., assignor.)
Williams, Percy Q., Cincinnati, and L. D. Soubier, assignors to The Owens Bottle Company, Toledo, Ohio. Ware-distributing mechanism. 1,462,078; July 17.
Williams, Ralph E., Santa Ana, Calif., assignor to Williams Manufacturing Company. Spotlight bracket. 1,461,955; July 17.
Wilmort Manufacturing Company. (See Aisenstein, William, assignor.)
Wilson, Alfred R. (See Thompson, W. D., and Wilson.)
Wilson, Fastener Company, The. (See Clark, Emma E., assignor.)
Wilson, Robert E. and R. E., Belleville, assignors to S. R. Gross, Newark, N. J. Dropping machine. 1,462,185; July 17.
Wilson, Robert E. (See Wilson, Robert E. and R. E.)
Wilson, William W. (See Hamer, Leland S., assignor.)
Windsor Manufacturing Company, The. (See Cope, Joseph H., assignor.)
Winne, Harry A. (See Merrill, W. L., and Winne.)
Winship, Ernest O., and F. J. Bacon, New London, Conn. Banjo tailpiece. 1,462,359; July 17.
Wisch, Edward W. and W. J., assignors to themselves, S. C. Vincent, and F. C. Volkman, Baltimore, Md. Hand-operated toilet fan. 1,461,768; July 17.
Wisch, Walter J. (See Wisch, Edward W. and W. J.)
Witzel, Charles J., Brooklyn, N. Y. Wrench. 1,461,810; July 17.
Woerth, Emil, Hamilton Beach, N. Y. Ice box for refrigerators. 1,462,436; July 17.
Wold, Peter L., East Orange, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y. Switching mechanism for vacuum tubes and the like. 1,462,057; July 17.
Wolfe, Lester, New York, N. Y. Flying top. 1,462,221; July 17.
Wolfe, William S. (See Kilborn, K. B., and Wolfe.)
Wood, Andrew C., assignor to Stewart-Warner Speedometer Corporation, Chicago, Ill. Odometer-train-resetting device. 1,461,956; July 17.
Wood, Arthur C., assignor to The Ohio Brass Company, Mansfield, Ohio. Conductor support. 1,461,811; July 17.
Wood, Arthur C., assignor to The Ohio Brass Company, Mansfield, Ohio. Conductor support. 1,461,812; July 17.
Wood, Arthur C., assignor to The Ohio Brass Company, Mansfield, Ohio. Safety support for current collectors. 1,461,813; July 17.
Wood, Charles L. (See Crowder, Riley M., assignor.)
Wood, William T., Nashville, Tenn. Coasting vehicle. 1,462,312; July 17.
Woodberry, John H., U. S. Army. Detonating fuse. 1,462,313; July 17.
Woodberry, John H., U. S. Army. Fuse. 1,462,314; July 17.
Wray, James L., Rock Island, Ill. Pneumatic pump. 1,462,222; July 17.

Wright, Arthur W., and B. F. Ibach, Pottsville, Pa. Metal pole construction. 1,461,994; July 17.
Wright, M. S., Company. (See Wright, Morris S., assignor.)
Wright, Morris S., assignor to M. S. Wright Company, Worcester, Mass. Vacuum cleaning device. 1,462,223; July 17.
Yamada, Shigetaro, Honolulu, Hawaii. Twine-cutting device. 1,462,097; July 17.
Yauch, Martin, administrator. (See Stroud, Chester H.)
Yawman & Erbe Mfg. Co. (See Dietrich, Paul, assignor.)
Youlten, William, Hove, assignor to H. S. Foster, Westminster, and L. N. Schoenfeld, Hove, England. Machine for opening and cleaning cotton, wool, and other fibers. 1,462,458; July 17.
Youlten, William, Hove, assignor to H. S. Foster, Westminster, and L. N. Schoenfeld, Hove, England. Machine for opening and cleaning fibrous material. 1,462,459; July 17.
Young, Adam F., San Jose, Calif. Gear puller. 1,462,437; July 17.
Young, Walter W., Parker, S. Dak. Battery carrier. 1,461,995; July 17.
Zajic, Joseph, Jersey City, N. J. Coupling. 1,462,406; July 17.
Zander, Alex L., St. Paul, Minn. Top. 1,461,843; July 17.
Zeiss, Firm of Carl. (See Meyer, Franz, assignor.)
Zell, David H., Incorporated. (See Sundin, Oscar T., assignor.)
Zenke, Henry C., Richmond Hill, N. Y. Metal-molding apparatus. 1,462,186; July 17.
Zifferer, Lothar B., Lancaster, Pa. Adjustable flange. 1,462,187; July 17.
Zimmerman, Frank W., Amarillo, Tex. Drill. 1,461,791; July 17.
Zouri Drawn Metals Company. (See Murnane, Daniel J., assignor.)

ALPHABETICAL LIST OF INVENTIONS

FOR WHICH

PATENTS WERE ISSUED ON THE 17TH DAY OF JULY, 1923.

NOTE.—Arranged in accordance with the first significant character or word of the name (in accordance with city and telephone directory practice). **Includes patents, reissues, and designs.**

Accelerator. C. Hammond and W. Inman. 1,461,774; July 17.
Accelerator, Brake. W. Hildebrand. 1,461,846; July 17.
Accounting sheet. F. W. Groby. 1,461,757; July 17.
Acid by means of the electric arc in a closed cycle, Obtaining nitric. W. Siebert. 1,462,052; July 17.
Adjustable wrench. F. C. Hachenev. 1,461,875; July 17.
Aeroplane. L. Jacoby. 1,462,410; July 17.
Aeroplanes, Arming of. J. J. M. A. E. Schneider. 1,461,833; July 17.
Air, Apparatus for humidifying. L. E. Vignon. 1,461,840; July 17.
Air, Cooling. A. Messer. 1,462,177; July 17.
Air heater. B. S. Harrison. 1,462,339; July 17.
Air propeller. C. Dornier. 1,461,866; July 17.
Aircraft, Propelling device for. H. E. Hawes. 1,461,733; July 17.
Airplanes, Landing gear for. J. A. Roché. Re15,656; July 17.
Anchor. G. H. James. 1,462,342; July 17.
Apparel, Fastening device for wearing. S. Rivella. 1,462,049; July 17.
Artichoke trimmer and cutter. J. Guerrieri. 1,461,874; July 17.
Article holder. O. T. Sundin. 1,461,837; July 17.
Assembling and transfer mechanism. F. W. Letsch. 1,462,116; July 17.
Assembling machine, Hand-stamp-. G. H. Cole. 1,461,971; July 17.
Atomizer. M. A. Meyer. 1,462,041; July 17.
Attaching machine. C. E. Conner. 1,461,893; July 17.
Anthraquinone and its derivatives, Purifying. F. W. Atack. 1,451,745; July 17.
Auto appliance. P. E. Van Nostrand. 1,462,398; July 17.
Auto rear-axle differential mechanism. F. Tobis and F. Jarzyna. 1,462,204; July 17.
Automobile emergency fuel tank. J. A. Carlson. 1,461,890; July 17.
Automobile fender. S. G. Fitzsimons. 1,462,104; July 17.
Automobile fender. L. M. Smith. 1,462,152; July 17.
Automobile gasoline tanks, Electric switch for. W. S. La Londe. 1,461,825; July 17.
Automobile lock. A. C. Hill. 1,462,137; July 17.
Automobile radiator attachment. J. F. White. 1,462,403; July 17.
Automobile radiator condenser. H. L. Crafts. 1,461,726; July 17.
Automobile radiator-repair device. M. Anchelevich. 1,462,360; July 17.
Automobile radiators, Water-level indicator for. H. H. Boyce. 1,461,722; July 17.
Automobile springs and the like, Tool for removing shackle bolts of. C. O. Dutro and R. W. and G. S. Kent. 1,462,447; July 17.
Automobiles, Theft-preventing device for. J. McMullen. 1,462,118; July 17.
Bag-cleaning machine. H. J. F. T. Kacker. 1,461,850; July 17.
Bag holder. D. O. McRoberts. 1,461,802; July 17.
Band brake. G. W. MacBride and G. C. Bonney. 1,461,803; July 17.
Banjo tailpiece. E. O. Winship and F. J. Bacon. 1,462,359; July 17.
Bank, Frog. N. S. Eberhardt and A. E. Hackett. 1,461,821; July 17.
Bank, Savings. B. C. Williams. 1,462,184; July 17.
Bar: *See*—
Locking bar.
Barrel chimes, Forming sheet-metal. H. J. Foster and O. Thomas. 1,461,729; July 17.
Basket-corrugating machine, Metal-. F. T. Wernimont. 1,462,457; July 17.
Basket or similar article, Metal. W. Gelb. Des. 62,670; July 17.
Battery carrier. W. W. Young. 1,461,995; July 17.
Battery-strap mold. T. E. Jones. 1,462,364; July 17.
Bearing and transmission, Combined resilient. B. F. Seymour. 1,462,384–6; July 17.
Bearing, Roller. T. G. Rennerfelt. 1,462,379; July 17.
Bearing, Submerged. H. E. Kellogg. 1,462,366; July 17.
Beehive. J. Toth. 1,461,950; July 17.
Bending machine. M. R. Akey and H. Katz. 1,462,315; July 17.
Beverage. W. O. Snelling. 1,461,808; July 17.
Billiard table. C. A. Wendt. Des. 62,685; July 17.

Binder or loose-sheet holder, Temporary. G. P. Wigginton. 1,461,954; July 17.
Blade holder. J. E. Myers. 1,462,146; July 17.
Blank-sorting machine. W. C. Stewart. 1,461,789; July 17.
Block: *See*—
Brake block. Concrete block.
Concrete building block.
Blocks, Molding apparatus for compreased. F. Bonnet. 1,461,860; July 17.
Board: *See*—
Steam board.
Boats, Hoisting and lowering collapsible life. G. Rinesi. 1,462,422; July 17.
Boiler: *See*—
Steam boiler.
Boiler tubes, Apparatus for cleaning the outside of. F. Kober. 1,462,415; July 17.
Bolt: *See*—
Clamp bolt.
Bookkeeping system. H. J. La Wall and C. E. Wetzel. 1,462,140; July 17.
Bottle cap. W. C. Buttner. 1,462,165; July 17.
Bottle closure, Milk-. A. M. Baroody. 1,462,462; July 17.
Bottle holder, Milk-. W. H. Lykins. 1,462,370; July 17.
Bottle, Milk. E. Dunn. 1,462,330; July 17.
Bottle, Perfume. C. Weeks. Des. 62,684; July 17.
Bottle protector. J. McCrink. 1,462,291; July 17.
Bottle receptacle. T. E. Petty. 1,462,356; July 17.
Bowl or similar article. H. Wanerman. Des. 62,679–80; July 17.
Box: *See*—
Cut-out box. Lunch box.
Folding box. Paper folding box.
Box-making machines, Means for feeding adhesive material to. J. Rudnick. 1,461,737; July 17.
Boxes and the like, Machine for making paper folding. C. Butterfield. 1,461,966; July 17.
Boxes, Corner stay for. E. G. Higginson. 1,462,009; July 17.
Boxes or the like, Making paper folding. C. Butterfield. 1,461,967; July 17.
Bracket: *See*—
Clothesline bracket. Spotlight bracket.
Braiding machines, Carrier-controlling device for. A. Petersen. 1,462,213; July 17.
Brake: *See*—
Band brake. Pneumatic brake.
Brake block. R. J. Stokes. 1,462,391; July 17.
Brakes, Automatic slack adjuster for. A. R. K. Djurson. 1,462,270; July 17.
Bread pan. C. Driver. 1,461,974; July 17.
Bridge gate, Automatic. I. Harmata. 1,461,901; July 17.
Bridge-reenforcing means. R. Z. Drake. 1,461,795; July 17.
Brooder. J. Hale. 1,462,336; July 17.
Buckle, Belt. E. S. Mix. 1,461,826; July 17.
Building construction. E. A. Mayo. 1,462,208; July 17.
Burner: *See*—
Gas burner. Oil burner.
Liquid-fuel burner. Torch burner.
Burner of the injector type. L. Grote. 1,461,873; July 17.
Button, Separable. I. Fried. 1,462,332; July 17.
Cabinet, Display. J. T. Ashbrooke. Des. 62,663; July 17.
Calculating machine. F. Trinks. 1,462,397; July 17.
Calculating machines, Automatic carriage-raising means for. E. F. Britten, jr. 1,462,059; July 17.
Calculating machines, Carry-set mechanism for. E. F. Britten, jr. 1,462,060; July 17.
Calculating machines, Overthrow check for. E. F. Britten, jr. 1,462,061; July 17.
Cap. G. C. Apple. 1,462,438; July 17.
Cap, Dust. G. W. Terry. 1,462,394; July 17.
Cap or the like, Dust. E. V. Myers. 1,462,021; July 17.
Car-check holder. R. C. Leitch. 1,462,015; July 17.
Car coupler. H. M. Brown. 1,462,190; July 17.
Car coupling. J. H. Eggers, jr. 1,461,769; July 17.
Car door, Grain-. H. M. Tenneson. 1,461,839; July 17.
Car door, Railway-freight-. C. E. Webster. 1,462,402; July 17.
Car, Dump. H. S. Hart. 1,461,732; July 17.
Car-end construction. W. D. Thompson and A. R. Wilson. 1,461,883; July 17.

Car roof. C. D. Bonsall. 1,461,721; July 17.
Car-wheel clamp, Railway-. C. Mitchell. 1,462,294; July 17.
Cars, Invisible baggage guard for motor. T. Daines. 1,461,972; July 17.
Cars, bumpers, etc., Kinetic-energy-transforming means for. F. E. Stebbins. 1,461,788; July 17.
Cars, Kinetic-energy-transforming means for. F. E. Stebbins. 1,461,787; July 17.
Carburetor. D. Cole and C. J. Gustafson. 1,461,970; July 17.
Carburetor. A. Wagner. 1,462,219; July 17.
Card feeders, Adjustable feed-roll journal for. J. B. Howe. 1,462,203; July 17.
Carrier: *See*—
Battery carrier.
Cart and like vehicle, Child's mail. J. G. Evans. 1,461,976; July 17.
Cart, Wire. E. R. Sager. 1,461,939; July 17.
Carton, Counter. A. Seifert. 1,462,051; July 17.
Case: *See*—
Vanity case.
Casing head. C. S. Clarke. 1,462,131; July 17.
Casting machine, Type-line-. F. W. Neumayer. 1,462,298; July 17.
Castings, Heat treatment of light. S. Apgar. 1,462,460; July 17.
Cellulose plastics, Plasticiser for. A. D. St. John. 1,462,306; July 17.
Centrifugal machines, Braking device for. M. Leitch. 1,462,141; July 17.
Centrifugal separator. C. B. Jandos. 1,461,909; July 17.
Centrifugal separating machine. F. Koch. 1,461,777; July 17.
Chair: *See*—
Reclining chair.
Chair tightener. C. Fischer. 1,461,868; July 17.
Check holder. C. Feddern. 1,462,448; July 17.
Cheese, Preparing. G. Meyer. 1,462,375; July 17.
Chuck, Reversing. F. M. Funk and M. C. Jenners. 1,461,871; July 17.
Cigarette-pouch-packaging mechanism. H. de Escobales. 1,462,326–7; July 17.
Cinematographic projection apparatus. L. Frassier. 1,461,870; July 17.
Clamp: *See*—
Car-wheel clamp.
Clamp bolt, Automatic. S. A. Slawson. 1,461,882; July 17.
Cleaner: *See*—
Vacuum cleaner.
Cleaning implement. G. A. Hoyem. 1,461,904; July 17.
Clip: *See*—
Lingerie clip.
Clip. R. W. Cook. 1,462,193; July 17.
Clip guide. W. H. Parrott. 1,462,300; July 17.
Clock, Alarm. P. Lux. 1,462,142; July 17.
Clocks and the like, Driving mechanism for. K. Silbermann. 1,461,739; July 17.
Clothes basket, Portable. T. Glock. 1,462,133; July 17.
Clothesline bracket, Safety. J. P. Munford. 1,462,241; July 17.
Clothespin. L. N. Oswald. 1,461,982; July 17.
Clutch mechanism. C. E. Reddig. 1,462,046; July 17.
Clutch-pedal attachment. E. S. Engle. 1,461,771; July 17.
Coal, minerals, or the like, Washer for classifying. L. Malécot. 1,462,418; July 17.
Coal-tipple attachment. E. H. Hersh. 1,461,844; July 17.
Coffee making or brewing machine. V. Casoletti. 1,462,322; July 17.
Coke containers or the like, Arrangement in. A. Moettell. 1,462,119; July 17.
Collapsible tube, Valved. H. L. Frizell. 1,462,232; July 17.
Collectors, Safety support for current. A. C. Wood. 1,461,813; July 17.
Comb and brush. A. N. Warren. 1,462,400; July 17.
Communication system, Secret-. R. D. Parker and B. P. Hamilton. 1,461,783; July 17.
Compact attachment. A. M. Locke. 1,461,923; July 17.
Compasses. U. Johnson. 1,462,412; July 17.
Concrete block. L. V. Metz. 1,462,374; July 17.
Concrete building. F. H. Coney. 1,461,891; July 17.
Concrete building block. F. Kagermeier. 1,461,851; July 17.
Concrete buildings, Column cap for. F. H. Coney. 1,461,892; July 17.
Concrete insert. C. C. Tomkinson. 1,461,742; July 17.
Condenser. E. F. Seager. 1,462,214; July 17.
Conductor holder. H. P. Chandler. 1,461,753; July 17.
Conductor support. H. P. Chandler. 1,461,750–2; July 17.
Conductor support. A. C. Wood. 1,461,811–2; July 17.
Conduit box, Universal. F. J. Miner. 1,462,209; July 17.
Cone-baking machine. D. L. Stull. 1,461,886; July 17.
Container. E. B. Finlayson. 1,462,034; July 17.
Control, Neutral-position safety. W. E. Day. 1,462,031; July 17.
Conveyer, Discharging. J. Ross. 1,462,126; July 17.
Conveyer-coupling means. F. B. Caldwell. 1,462,461; July 17.
Conveyer, Leer. W. R. Sterrett. 1,462,427; July 17.
Cooker and melting pot, Electric. H. C. Bausert. 1,462,224; July 17.
Cooking utensil. K. Gammel. 1,462,275; July 17.
Cooking utensils, Device for. J. J. Hart. 1,462,105; July 17.
Coop, Poultry. C. E. Stockham. 1,461,989; July 17.
Copper Hydrometallurgical precipitation of. F. Laist. 1,461,918; July 17.
Cord ancher. P. Rissmann. 1,462,125; July 17.
Corn husker. O. Boyer. 1,461,748; July 17.
Corn, Rack for drying seed. L. E. Sievert. 1,461,946; July 17.
Corn separator, Snapped-. F. J. Temple. 1,462,428; July 17.
Corset. P. H. Robbins. 1,462,423; July 17.
Cotton-picking machine, Damper-controlling means for. A. St. Onge. 1,462,307; July 17.
Cotton, wool, and other fibers, Machine for opening and cleaning. W. Youlton. 1,462,458; July 17.
Coupling: *See*—
Car coupling.
Coupling. F. O. Arnold. 1,461,958; July 17.
Coupling. J. Zajic. 1,462,406; July 17.
Cover remover. F. J. Parker. 1,461,983; July 17.
Cranes, Hoisting and luffing mechanism for. R. S. Lewis. 1,461,800; July 17.
Crank, Safety. I. C. Bice. 1,462,002; July 17.
Cream testers, Timing device for. S. Z. Bland. 1,461,964; July 17.
Crematory. A. C. Felton, jr. 1,462,230; July 17.
Crumb sweeper. W. Aisenstein. 1,461,814; July 17.
Culvert mold. T. De La Mare. 1,461,973; July 17.
Current collector and sleet remover. S. S. Matthes. 1,461,781; July 17.
Curtain-rod support. L. J. Kroesser. 1,461,855; July 17.
Cut-out box. A. L. Pierce. 1,462,124; July 17.
Cutter: *See*—
Ensilage cutter. Tire gauge cutter.
Cylinder lock. M. J. O'Connor. 1,462,299; July 17.
Cylinder-reboring machine. M. H. Hansen. 1,461,877; July 17.
Dandy roll. J. H. Lowe. 1,462,369; July 17.
Delivery from containers, Means of single-article. W. S. Newman. 1,461,981; July 17.
Dental tray. H. E. Weber. 1,461,765; July 17.
Detonator. W. O. Snelling. 1,462,074; July 17.
Detonator composition. W. O. Snelling. 1,462,075; July 17.
Detonator composition. C. E. Waller. 1,462,093; July 17.
Die press, Gang. H. C. H. Walsh. 1,462,094; July 17.
Diethylbarbiture acid and its homologues, Manufacturing compounds soluble in water of. F. Quade. 1,461,831; July 17.
Digger: *See*—
Potato digger.
Direction signal. C. D. Wiemer. Des. 62,686; July 17.
Disk wheel, Shock-absorbing. G. A. Cheremisinoff. 1,461,969; July 17.
Dispensing and measuring device. O. Hauenstein. 1,462,407; July 17.
Dispensing apparatus. H. L. Weber. 1,461,992; July 17.
Dispensing device, Safety. M. F. Millot. 1,462,352; July 17.
Display and vending device, Combination. G. F. Baitz. 1,462,024; July 17.
Distributing mechanism, Ware-. P. Q. Williams and L. D. Soubier. 1,462,078; July 17.
Dividing-board regulator. W. A. Martin. 1,462,017; July 17.
Dolly jack. L. J. McKone. 1,462,039; July 17.
Door and tracks therefor, Sliding. E. J. G. Phillips. 1,462,302; July 17.
Door, Sectional. J. E. Ogden. 1,462,044; July 17.
Drag link and making the same. J. W. White. 1,462,467; July 17.
Drill. F. W. Zimmerman. 1,461,791; July 17.
Drill press, Automatic. C. E. Cox. 1,461,755; July 17.
Drill presses, Hand feed for. O. A. Osmondson. 1,461,931; July 17.
Drilling machine. H. C. Brewster. 1,462,098; July 17.
Dropping machine. R. E. and R. E. Wilson. 1,462,185; July 17.
Drying apparatus. H. Bentz. 1,462,025; July 17.
Dumping body. W. H. Mahlow. 1,462,417; July 17.
Dyeing, Clamp for producing mottled skein. H. Epstein. 1,461,822; July 17.
Dynamo, Inherently-regulated direct-current. H. Charlet. 1,462,226; July 17.
Edging or border finish. J. M. Merrow. 1,462,372–3; July 17.
Egg beater. A. Bevan. 1,461,962; July 17.
Elastic fabric. V. Guinzburg. 1,462,279; July 17.
Electric conductors, Support for. S. S. Matthes. 1,461,780; July 17.
Electric fountain. W. L. Haanel. 1,462,281; July 17.
Electric-furnace linings, Manufacture of. W. R. Clark. 1,461,862–3; July 17.
Electric heater. E. H. Richardson. 1,462,380; July 17.
Electric heater. E. C. Strickland. 1,462,392; July 17.
Electric-lighting fixture. H. W. Cordingly. 1,462,132; July 17.
Electric starter. C. C. Andersen. 1,461,996; July 17.

Electric switch. H. J. H. Huber. 1,462,340; July 17.
Electrical apparatus, Method and means for cooling. L. H. Burnham. 1,462,321; July 17.
Electrical apparatus, Protective device for. C. H. Kline. 1,462,346; July 17.
Electrical coils, Machine and method for winding. H. C. Egerton. 1,462,032; July 17.
Electrical indicating device. R. S. O'Neil. 1,461,830; July 17.
Electrical instrument. C. L. Hall. 1,462,337; July 17.
Electrical testing system. H. M. Stoller. 1,462,053; July 17.
Electromagnet. E. B. Thurston. 1,462,129; July 17.
Elevator interlock, Safety. F. M. Coffin. 1,462,264; July 17.
Elevators and the like, Backstop for. E. A. Beyl. 1,462,318; July 17.
Engine: *See*—
Internal-combustion engine.
Engines and analogous uses, Split piston for internal-combustion. G. T. Lewis. 1,462,089; July 17.
Engines on motor cycles, Novel device for securing. C. Frangenburg. 1,461,869; July 17.
Engines, Speed governor for internal-combustion. E. R. Pierce. 1,461,933; July 17.
Engines, Water circulator for auto. G. Muller and M. B. Hill. 1,462,042; July 17.
Ensilage cutter. E. W. Silver. 1,461,764; July 17.
Envelope. W. H. Deubener. 1,461,727; July 17.
Envelope and letter sheet, Combined. H. Harris. 1,461,879; July 17.
Envelope machine. E. F. Nisson. 1,461,827; July 17.
Envelope-making machines, Removable drying-chain mechanism for. A. E. Augustine. 1,461,746; July 17.
Envelopes, Machine for making window. C. F. Pfanse. 1,462,149; July 17.
Expansible coupling member. E. W. Weyrauch. 1,461,767; July 17.
Fabric: *See*—
Elastic fabric.
Fabric holder, Roll-. J. Girard. 1,462,333; July 17.
Fabrics, Machine for uniting looped. P. P. La Montagne. 1,462,367; July 17.
Fabrics, Machine for uniting looped. E. E. Randall. 1,462,378; July 17.
Fabrics, Means for finishing. A. A. Grundy. 1,462,172; July 17.
Fan, Hand operated toilet. E. W. and W. J. Wisch. 1,461,768; July 17.
Fan, Multiple propeller. J. M. Seymour. 1,462,151; July 17.
Fastener elements, Securing means for. L. M. Foss. 1,462,463; July 17.
Fasteners, Cord terminal for mask. G. A. Hanft. 1,461,900; July 17.
Faucet and mixing nozzle, Combination. S. Kersten. 1,462,413; July 17.
Fender: *See*—
Automobile fender.
Fenders and the like, Sheet-metal-rolling machine for. H. R. Kennedy. 1,461,853; July 17.
Ferrule and wood-holding device, Adjustable propeller. N. H. Cederquist. 1,462,083; July 17.
Fibrous materials, Machine for opening and cleaning. W. Youlten. 1,462,459; July 17.
Film and the like, Reel for cinematograph. E. J. Way. 1,462,401; July 17.
Film-developing apparatus. H. C. F. Morant. 1,462,019; July 17.
Film reel. L. L. Chapman. 1,462,166; July 17.
Films, Fluid-treating apparatus for. C. de Moos. 1,461,794; July 17.
Filtering means for lubricating systems. E. E. Hans. 1,462,175; July 17.
Firearms, Silencer for. F. Wildner. 1,462,158; July 17.
Fishing apparatus. C. P. Dross. 1,462,196; July 17.
Fishing tool. C. H. Brown. 1,462,099; July 17.
Flange, Adjustable. L. E. Zifférer. 1,462,187; July 17.
Fluid meter. B. Greenfield. 1,462,170; July 17.
Flycatcher. L. C. McDermott. 1,462,416; July 17.
Flying-machine propeller. W. H. Kelly. 1,461,913; July 17.
Flying machines, Device for determining the course on. G. Caproni. 1,462,100; July 17.
Flytrap. F. B. Carey. 1,462,004; July 17.
Flytrap. J. A. Mack. 1,461,925; July 17.
Folding box. J. R. Myers. 1,462,297; July 17.
Food product and making same. T. Braff. 1,462,163; July 17.
Fountain: *See*—
Electric fountain.
Stock fountain.
Fruit picker. T. F. Henninger. 1,462,008; July 17.
Funnel, Automatic. N. Tobiasson. 1,462,253; July 17.
Furnace: *See*—
Heating furnace.
Hot-air furnace.
Furnace and controlling the draft therein. W. M. Duncan. 1,461,819; July 17.
Furnace arch. R. D. De Wolf. 1,462,267; July 17.
Furnace for pulverous fuel. K. H. V. von Porat. 1,462,310; July 17.
Furnaces, Apparatus for charging reverberatory. A. G. McGregor. 1,461,801; July 17.
Furnaces, Tipping crucible for basalt. P. Dhé. 1,462,446; July 17.
Fuse. J. H. Woodberry. 1,462,314; July 17.
Fuse, Detonating. J. H. Woodberry. 1,462,313; July 17.
Fuse, Electric safety. S. J. Knudsen. 1,462,013; July 17.
Fuse, Multiple. N. J. Doyle. 1,462,195; July 17.
Fuse, Percussion. R. Haas. 1,462,173; July 17.
Game apparatus or amusement device. F. A. Pfeifer and C. Naab. 1,462,179; July 17.
Games, Apparatus for playing race. H. T. Brooker. 1,462,189; July 17.
Garment hanger. J. T. McKenna. 1,462,067; July 17.
Garment support. M. Sonnenfeld. 1,462,389; July 17.
Garments and similar articles, Trimming for. C. J. Busch. Des. 62,665; July 17.
Gas burner. J. Festa. 1,462,331; July 17.
Gasket, Leather. B. B. Holmes. 1,461,902; July 17.
Gasoline, Apparatus for treating. T. A. Gross. 1,462,335; July 17.
Gasoline-reserve-supply apparatus. J. H. Parsons. 1,461,805; July 17.
Gate: *See*—
Bridge gate.
Gate. J. M. McDaniel. 1,462,066; July 17.
Gauge mechanism, Pressure-. C. H. Graesser. 1,461,730; July 17.
Gear puller. A. F. Young. 1,462,437; July 17.
Gear-shifting device. L. A. Laursen. 1,462,139; July 17.
Gearing for marine propulsion and the like. K. Alquist. 1,462,316; July 17.
Glass-cutting machine. H. B. Davis. 1,462,030; July 17.
Glass-polishing machine, Beveled-. B. Rehm. 1,462,303; July 17.
Glassware, Holder for illuminating. H. C. Adam. Des. 62,662; July 17.
Glassworking mold. C. C. Bohner. 1,462,362; July 17.
Governor, Centrifugal. C. J. Hendrickson. 1,462,087; July 17.
Gramophone and like needles, Packing and delivering. C. West. 1,462,056; July 17.
Grate, Furnace. R. E. Sturman. 1,462,393; July 17.
Grinding devices, Guide for. M. P. Schmitt. 1,461,985; July 17.
Grinding machine. E. W. Mikaelson and A. A. Neave. 1,462,420; July 17.
Gun, Cleaning-process. F. M. Hilgerink. 1,461,824; July 17.
Hairdresser's comb. L. J. P. Crooms. 1,462,167; July 17.
Hairpins, Forming. M. A. Fishel. 1,461,728. July 17.
Hammock, Couch. G. F. Sisbower and L. E. Pittoni. 1,461,740; July 17.
Hand roller. R. B. Bird. 1,461,815; July 17.
Hanger: *See*—
Garment hanger.
Sickle hanger.
Harrow. R. M. Crowder. 1,462,324; July 17.
Harvester, Stump. E. A. McKoy and G. D. Moore. Re15,655; July 17.
Harvesting and thrashing machine, Straw spreader for. B. E. Slade. 1,462,387; July 17.
Hat brims, Stitching mechanism for. J. Denemark. 1,462,168; July 17.
Haystacker. J. H. Cope. Re15,658; July 17.
Headlight and reflector, Automobile. T. De L. Graham. 1,462,036; July 17.
Headlight attachment. B. J. Lee. 1,462,065; July 17.
Headlight, Vehicle. O. G. Luyties. 1,461,924; July 17.
Heat transmission. J. L. Banks. 1,462,079; July 17.
Heater: *See*—
Air heater.
Tank heater.
Electric heater.
Heater-casing construction. J. J. Seemann. 1,461,943; July 17.
Heating furnace. H. W. Mason. 1,462,018; July 17.
Hoists, Brake for electric-motor-operated. M. Cosulich. 1,462,265; July 17.
Holding device. S. S. Matthes. 1,461,779; July 17.
Hose-clamp-display stand. A. E. Feige. Des. 62,669; July 17.
Hot-air furnace. J. C. Kanak. 1,462,287; July 17.
Hydrocarbon motor. J. G. Vincent. 1,461,990; July 17.
Hydrocarbons, Treatment of. W. F. Rittman. 1,462,247; July 17.
Hydrocycle. F. Brady. 1,462,027; July 17.
Ice cream and similar products to be maintained cold for many hours, Cooling container or so-called "dry containers" for. J. E. Graham. 1,462,450; July 17.
Ice, Process and apparatus for making. L. G. Nordmeyer. 1,461,828; July 17.
Impervious material and its production. W. F. Bleecker. 1,462,003; July 17.
Impulse sender. M. Setter. 1,461,944; July 17.
Index, Filing. P. Dietrich. 1,462,268; July 17.
Indicator: *See*—
Pressure indicator.
Voltage indicator.
Indicator. P. Lo Cascio. 1,462,028; July 17.
Indicator. N. C. McConahy. 1,462,371; July 17.
Internal-combustion engine. B. Stosik. 1,461,948; July 17.
Internal-combustion engine. D. M. Weigel. 1,462,182; July 17.
Iron: *See*—
Pressing iron.
Jack: *See*—
Dolly jack.
Tire-changing jack.
Jack. J. H. Pope. 1,461,786; July 17.

Jar: *See*—
Sirup jar.
Joint and power transmission, Universal. E. A. Lewis. 1,462,016; July 17.
Key-duplicating machine. S. Segal. 1,462,150; July 17.
Key ring and the like. L. F. Korns. 1,462,205; July 17.
Kiln, Drying. C. A. Cutler. 1,462,194; July 17.
Knife switches, Interlocking. L. C. Wescoat. 1,462,055; July 17.
Label. C. Wiegandt. 1,462,220; July 17.
Ladder attachment. P. M. Echlin. 1,462,086; July 17.
Ladder, Extension. G. H. Walchli. 1,461,952; July 17.
Lamp and bookrack, Combined. A. S. Trask. Des. 62,678; July 17.
Lamp, Battery. E. J. McEachron. 1,462,207; July 17.
Lamp, Electric gas. A. Lederer. 1,461,921; July 17.
Lamp for automobiles, Rear. M. Frascadore and B. Vallone. 1,462,274; July 17.
Lamp shade. G. I. Schley. Des. 62,676; July 17.
Lamps, Closure construction for auto. E. E. Kuen. 1,461,799; July 17.
Lamps, Glare-preventing device for. F. Burbidge. 1,461,749; July 17.
Land leveler. W. H. Monroe. 1,462,120; July 17.
Lathe center. D. E. Howard. 1,462,409; July 17.
Lathes, Reversing mechanism for. H. J. Klam. 1,461,776; July 17.
Lawn sprinkler. L. D. Barney. 1,462,256; July 17.
Level. H. Tangee. 1,462,054; July 17.
Level, Spirit. F. W. Feuse. 1,462,231; July 17.
Level, Spirit. P. H. Vorel. 1,462,430; July 17.
Lifter: *See*—
Pile lifter.
Lifting jacks, Wheeling attachment for. K. Eck. 1,461,820; July 17.
Lifts and the like, Gripping device for. P. Schönfeld. 1,462,382; July 17.
Light, Method and apparatus for producing cool. J. Lyons. 1,462,348; July 17.
Lightning arrester. C. T. Allcutt. Re15,653; July 17.
Lighting fixture. A. Aarons. Des. 62,660; July 17.
Lighting fixture. H. C. Adam. Des. 62,666; July 17.
Lighting-fixture canopy. A. Aarons. Des. 62,661; July 17.
Lighting-fixture plate. G. E. McFadden. Des. 62,673; July 17.
Lighting fixtures, Plate for. P. S. Warman. Des. 62,681; July 17.
Lime, Making hydrated. M. Hermann. 1,462,284; July 17.
Line switch, Crossbar. J. N. Reynolds. 1,462,047; July 17.
Lingerie clip. E. E. Clark. Re15,654; July 17.
Liquid-fuel burner. G. A. Bryan. 1,462,261; July 17.
Liquid-fuel burner. C. M. Rushing. 1,462,072; July 17.
Liquid fuel, Vaporizer for. H. L. Blackwood. 1,462,361; July 17.
Liquids, Apparatus for aerating. C. J. C. W. Hyne. 1,462,063; July 17.
Lithographing presses, Water distributor for. C. Henderson. 1,462,136; July 17.
Loading device. N. W. Fabeck. 1,462,272; July 17.
Lock: *See*—
Automobile lock.
Stovepipe lock.
Cylinder lock.
Tire lock.
Mortise lock.
Lock. T. C. Cooper. 1,461,725; July 17.
Lock. I. A. Treiman and R. L. Rockwell. 1,461,857; July 17.
Locking bar. F. J. Greene. 1,462,278; July 17.
Locomotive water column. W. M. Gray. 1,462,134; July 17.
Loom, Weft-replenishing. N. Caron. 1,461,861; July 17.
Looms, Feeler mechanism for. E. T. Gilman. 1,461,872; July 17.
Looms, Tuft-yarn spool for. H. D. Clinton. 1,462,192; July 17.
Lubricating device. L. M. Hale. 1,462,174; July 17.
Lunch box, Folding. R. L. Brazee. 1,462,225; July 17.
Machine tools and the like, Speed control for. B. S. Pero. 1,462,354; July 17.
Magazine rack. A. B. Wendel. 1,462,434; July 17.
Magnetic material, Treatment of. W. Fondilier. 1,462,035; July 17.
Magnetic separator. A. F. Jobke. 1,462,111; July 17.
Magnetic suspension. H. E. Warren. 1,462,433; July 17.
Manhole door. G. G. Musted. 1,462,353; July 17.
Map-display device. A. J. Westman. 1,461,842; July 17.
Measuring device, Cable. W. F. Hosford. 1,461,758; July 17.
Mercury-vapor pump for high vacuums. J. Jonas and O. Seits. 1,462,112; July 17.
Merry-go-round. H. Hrobsky. 1,461,881; July 17.
Metal-molding apparatus. H. C. Zenke. 1,462,186; July 17.
Metalliferous materials containing metals of the chromium group, Electrolytic treatment of. R. E. Pearson and E. N. Craig. 1,462,421; July 17.
Meter: *See*—
Fluid meter.
Micrometer caliper. L. O. Beard. 1,462,130; July 17.
Milk fermentation. A. B. Clark. 1,462,029; July 17.
Mine-car coupler. F. S. Barks. 1,462,188; July 17.
Mirror, brush, or similar article. W. S. Bechtold. Des. 62,664; July 17.
Mixing machine, Sand or like. J. W. Richards. 1,461,936; July 17.
Modulating system. R. V. L. Hartley. 1,462,038; July 17.
Mold: *See*—
Battery-strap mold.
Glassworking mold.
Culvert mold.
Typographical mold.
Mold. G. K. Monroe. 1,461,929; July 17.
Mold assemblage, Translational sectional-. E. E. Schenk. 1,461,940; July 17.
Mop. F. W. Pendergast. 1,461,762; July 17.
Mortise lock. J. Croning. 1,461,756; July 17.
Motor: *See*—
Hydrocarbon motor.
Wave motor.
Motor-control means and system and method. R. Kysela. 1,461,917; July 17.
Motor cycles, Side car for. J. O. Johnston. 1,461,759; July 17.
Motors, Adjustable bearing for spring. E. E. Wilkinson and S. Aronson. 1,461,858; July 17.
Motors, Governing valve for internal combustion. H. R. Jackson. 1,461,847; July 17.
Musical-instrument rack. R. E. Larson. 1,461,920; July 17.
Music-roll tubes, Apparatus for applying heads to. W. Snyder. 1,462,305; July 17.
Nail-extracting apparatus. A. Plaser. 1,462,045; July 17.
Nail-transferring mechanism, J. H. Pope. 1,461,784; July 17.
Nozzle, Spray. J. D. Murray. 1,462,020; July 17.
Nozzles or atomizers, Construction of spraying. H. A. Thompson. 1,462,395; July 17.
Odometer-train-resetting device. A. C. Wood. 1,461,956; July 17.
Oil, Apparatus for cleaning and clarifying used lubricating. T. D. Richards. 1,462,048; July 17.
Oil, Process and apparatus for mixing and burning. A. E. Grant. 1,462,464; July 17.
Oils, Apparatus for treating hydrocarbon. L. H. Manning. 1,462,069; July 17.
Oil burner. H. Isard. 1,461,908; July 17.
Oils, Cracking hydrocarbon. F. T. Manley. 1,462,143; July 17.
Oils, Treating hydrocarbon. L. H. Manning. 1,462,068; July 17.
Orchestra, Mechanical. G. W. Hall. 1,462,006; July 17.
Organs, Adjustable combination stop action for. E. Verlinden. 1,462,429; July 17.
Ore reduction. S. E. T. Ewing and J. L. Willey. 1,461,977; July 17.
Ores, Treating. A. Silver. 1,461,807; July 17.
Overalls, Combination. A. G. Hildreth. 1,461,798; July 17.
Oven. J. H. Beeby. 1,461,999; July 17.
Packages, Apparatus for moistureproofing. L. Morihsky. 1,461,760; July 17.
Pan: *See*—
Bread pan.
Pantograph. R. B. Spikes. 1,461,988; July 17.
Paper can or carbon. L. C. Brooks. 1,462,443; July 17.
Paper folding box. S. Bergstein. 1,461,961; July 17.
Paper-hanger's table. A. Finn. 1,462,449; July 17.
Paper holder, Toilet-. A. W. Hartmeyer. 1,462,176; July 17.
Paper pails, Cover-fastening device for. G. W. Swift, jr. 1,462,153; July 17.
Parachute pack and harness, etc. F. Smith. 1,462,456; July 17.
Partition support and surge place. A. A. Kramer. 1,462,347.
Peanut picker. T. I. Phelps. 1,462,123; July 17.
Pen, Fountain. V. Gartner. 1,461,823; July 17.
Pen, Fountain. L. Taddeo. 1,461,838; July 17.
Pen, Fox. H. T. Holman. 1,462,107; July 17.
Phonographic records, Making. E. W. Jones and E. R. Harris. 1,461,849; July 17.
Piano action, Plectrum. G. Casciotta. 1,462,444; July 17.
Picker: *See*—
Fruit picker.
Peanut picker.
Picture frames, Picture-retaining device for. C. Mandel. 1,462,419; July 17.
Pile lifter. C. L. West. 1,462,435; July 17.
Pipe attachment, Smoking-. J. T. Shaw. 1,462,425; July 17.
Pipe clamp and wrench. J. A. Painter and H. G. McCullough. 1,462,377; July 17.
Pipe-forming plant. D. L. Williams. 1,462,311; July 17.
Pipe points, Apparatus for forming. L. A. Weston. 1,462,077; July 17.
Pipes, Casing for smoking. L. Graveure. 1,462,277; July 17.
Pipes to tanks and other receptacles, Device for connecting suction. W. C. Shanley. 1,461,945; July 17.
Piston. J. W. Corser. 1,462,084; July 17.
Piston ring. J. E. Norwood. 1,462,043; July 17.
Pitcher. A. J. Sanford. Des. 62,675; July 17.
Plow, Antiside-draft. P. Hansmann and H. Strack. 1,462,135; July 17.
Pneumatic brake. I. Drolshammer. 1,462,229; July 17.
Pneumatic support. G. Jordahn. 1,461,911; July 17.
Pocket lighter, Cerium. F. Beck. 1,462,191; July 17.

Pole construction, Metal. A. W. Wright and B. F. Ibach. 1,461,994; July 17.
Porcelain. C. C. Treischel. 1,462,396; July 17.
Post: *See*—
Tennis post.
Postage-marking machine, Register for. A. H. Pitney and J. W. Ogden. 1,461,934; July 17.
Potato digger. A. J. and E. H. Raasch and H. A. Olsen. 1,461,935; July 17.
Powder box. Talcum-. C. Weeks. Des. 62,683; July 17.
Powder puff. M. Brock. 1,462,258–60; July 17.
Powder puff and cover therefor. M. Brock. 1,462,257; July 17.
Press: *See*—
Die press. Drill press.
Pressing iron. H. W. Peth. 1,462,355; July 17.
Pressure control, Automatic. G. A. Brooke, jr. 1,462,164; July 17.
Pressure indicator. M. S. Hopkins. 1,462,109; July 17.
Printing machines, Collapsible-tube-coating mechanism for tube-. A. W. Paull and A. L. Edwards. 1,461,761; July 17.
Printing press, Flat-bed. M. F. Slattery and H. McAlonie. 1,462,250; July 17.
Protective device. W. T. Booth. 1,462,026; July 17.
Puller: *See*—
Gear puller.
Pump, compressor, and motor. J. Baudot. 1,461,998; July 17.
Pump, Force. M. W. Tutt. 1,462,308; July 17.
Pump piston. T. W. Delaney. 1,462,445; July 17.
Pump, Pneumatic. J. L. Wray. 1,462,222; July 17.
Pumping system. B. S. Aikman. 1,462,159; July 17.
Racing device. E. F. Panarlo and W. B. Cross. 1,462,242; July 17.
Rack: *See*—
Magazine rack. Tire-rim rack.
Rail anchor. L. J. Berkeley. 1,462,162; July 17.
Rail anchor. H. G. Warr. 1,462,157; July 17.
Rail, Guard. A. Johnson. 1,462,344; July 17.
Rail joint and safety device, Track-. A. L. Lauby. 1,462,290; July 17.
Railway crossing. J. P. Houk. 1,462,408; July 17.
Railway crossings, Safety signal for. C. E. Fry. 1,461,896; July 17.
Railway rolling stock, Safety apparatus for. H. S. Votaw. 1,462,254; July 17.
Railway switches, Safety appliance for. B. R. Hooks. 1,462,010; July 17.
Razor-blade holder. E. M. Moylan. 1,462,210; July 17.
Reclining chair, Adjustable. F. P. Hall. 1,462,005; July 17.
Reel: *See*—
Film reel.
Reel. L. Johnson. 1,462,411; July 17.
Refrigerated display apparatus. G. Hilger. 1,462,285; July 17.
Refrigerator. F. T. Lynch. 1,462,206; July 17.
Refrigerators, Ice box for. E. Woerth. 1,462,436; July 17.
Registers, Carry mechanism for. E. F. Britten, jr. 1,462,058; July 17.
Regulator: *See*—
Dividing-board regulator. Traffic regulator.
Retort, Oil-shale. W. M. Strong. 1,462,023; July 17.
Rifle. E. F. L. Fritz. 1,462,169; July 17.
Rim. E. O. Stebber. 1,462,426; July 17.
Ring: *See*—
Piston ring.
Riveters, Tool for pneumatic. J. Mason. 1,462,293; July 17.
Rock, Machine for removing and crushing. P. H. Wiertz. 1,462,096; July 17.
Roller: *See*—
Hand roller. Shade roller.
Rolling mills, Manipulator for. D. F. Nisbet. 1,462,454; July 17.
Rope, Jump. G. C. La Sares. 1,462,088; July 17.
Routing mechanism. E. A. Laughlin. 1,462,234; July 17.
Rubber boot. A. A. Glidden. Des. 62,671; July 17.
Rule, Slide. W. B. Eaton and T. D. LaMay. 1,461,975; July 17.
Running-board apron guards. S. L. Hoopes and A. A. Gletzelt. 1,461,903; July 17.
Sand-blast apparatus. E. J. and R. H. Moore. 1,462,295–6; July 17.
Sash fastener. J. Kaltenbach. 1,462,345; July 17.
Saw, Cut-off. T. L. La Malta. 1,461,919; July 17.
Saw jointer. F. A. Rappleye. 1,461,763; July 17.
Saw-tooth dresser, jointer, and gauge. M. Dallenbach. 1,462,325; July 17.
Scaffold. J. L. Baldwin. 1,462,439; July 17.
Scale, Pendulous automatic weighing. W. Timson. 1,461,741; July 17.
Scale printing device, Dial-. M. A. Sweet and G. W. Britton. 1,461,949; July 17.
Scoop. C. C. De Jong. 1,462,328; July 17.
Scoops or scrapers, Attachment for wheeled. C. W. Jerry. 1,461,775; July 17.
Screening device. B. B. Carlton and C. J. Burkley. 1,462,469; July 17.
Screw, Propeller. J. Sametz. 1,462,424; July 17.
Screw propeller. R. Wagner. 1,461,841; July 17.
Seat back. W. G. Fuller. 1,461,772; July 17.
Semaphore signal system, Automatic. R. L. Rockwell and E. G. Howe. 1,462,248; July 17.
Separator: *See*—
Centrifugal separator. Magnetic separator.
Corn separator.
Separator. M. M. Newton. 1,462,121; July 17.
Sequence switch. F. M. Slough. 1,462,251; July 17.
Sewing-machine cabinet and seat. M. H. Ennis. 1,462,271; July 17.
Shade roller, Metal tubular. W. F. D. Greninger. 1,462,171; July 17.
Shafts, Universal joint for. H. C. Grant. 1,462,276; July 17.
Sharpener, Knife. A. Bohlin. 1,462,080; July 17.
Sheet-metal cutting off machine. K. W. Hallden. 1,461,898–9; July 17.
Sheet-trimming machine. C. A. Frahm. 1,461,796; July 17.
Shield. A. C. Sanders. 1,462,127; July 17.
Shingle construction, Enamel. P. Percsényi. 1,462,212; July 17.
Shingle, Convertible valley and hip composition. F. Basel. 1,461,886; July 17.
Shingles, Machine for making fiber. S. M. Langston. 1,462,138; July 17.
Ships, Driving arrangement for. A. T. Kasley. 1,461,852; July 17.
Shock absorber. R. Arrowsmith. 1,461,959; July 17.
Shock absorber. V. Kreft. 1,461,915; July 17.
Shoe. H. B. Bohr. 1,461,793; July 17.
Shoe mechanism, Train-control. A. G. Shaver. 1,462,073; July 17.
Shoe or boot. E. H. Wiel. 1,462,095; July 17.
Shoe uppers, Device for inserting laces under. A. J. Smiley. 1,461,834; July 17.
Sickle hanger. C. Benson. 1,462,001; July 17.
Sign. A. P. Trucksess. 1,462,156; July 17.
Sign, Illuminated display. W. J. Michelsen. 1,462,351; July 17.
Signal: *See*—
Traffic signal.
Signal device, Noninterfering. L. Degen. 1,462,085; July 17.
Singletree construction. L. Jeannotte. 1,461,910; July 17.
Sink and washing device, Convertible. C. B. Foster. 1,461,979; July 17.
Sinks, Drain board for. W. F. Muir. 1,462,178; July 17.
Siphon apparatus. D. M. Carr. 1,462,082; July 17.
Sirup jar. C. L. Bastian. 1,461,960; July 17.
Skins, hides, and leather, Machine for working. G. W. Richter. 1,462,180; July 17.
Slasher. W. A. Black. 1,462,442; July 17.
Slicer, cutter, and nutcracker, Vegetable. P. Perhäts. 1,462,148; July 17.
Smoke consumer. F. P. Fischer. 1,462,273; July 17.
Soap. P. L. E. Pech. 1,462,243; July 17.
Sodium decaborate from boron ores, Process for the production of. A. A. Kelly. 1,462,064; July 17.
Sound-reproducing machine. G. Di Falco. 1,462,269; July 17.
Sound-reproducing machines, Tone modifier for. F. W. Cooley. 1,462,320; July 17.
Sowing machine, Seed-. T. C. Ellis, A. Jeffery, and H. Maddocks. 1,461,770; July 17.
Spark plug. W. A. Heide. 1,461,797; July 17.
Spectacles-display holder. A. Meng. Des. 62,674; July 17.
Spindles, Centering means for. F. G. Smith. 1,462,215; July 17.
Spinning top. F. L. Lindstrom. 1,462,091; July 17.
Splint. A. M. Bennett. 1,462,000; July 17.
Spool, Collapsible. W. A. Prentiss. 1,461,736; July 17.
Spooling machine, Disk. G. M. Wehner. 1,461,953; July 17.
Spotlight bracket. R. E. Williams. 1,461,955; July 17.
Spray from liquids and commingling the same with gases, Method of and apparatus for making. N. C. Christensen. 1,462,363; July 17.
Spreader, Doubling. A. Thoma. 1,462,154; July 17.
Spring: *See*—
Window spring.
Spring-actuated closure. T. Croce and D. Morabito. 1,462,228; July 17.
Spring suspension. T. I. Duffy. Re15,659; July 17.
Spring wheel. W. J. Beisel. 1,462,441; July 17.
Springs, Cover or gaiter for laminated vehicle. H. Ramsden. 1,461,832; July 17.
Springs, Detachable knot or fastener for coiled. W. B. Foster. 1,461,895; July 17.
Stamp mount and index. E. D. Gudgel and M. M. Corey. 1,462,200; July 17.
Stand: *See*—
Switch stand.
Star namer. C. W. Compton. 1,462,323; July 17.
Steam board. W. W. Noblensky. 1,461,930; July 17.
Steam boiler, Electric. W. L. Merrill and H. A. Winne. 1,462,350; July 17.
Steam trap. J. Morehead. 1,462,144; July 17.
Steel-wool-making machine. A. J. Roth. 1,462,181; July 17.
Stencil making. S. Elliott. 1,461,867; July 17.

Sterilizing container. G. M. Gross. 1,462,334; July 17.
Stock fountain, Automatic. J. H. Artman. 1,461,744; July 17.
Stop motion. C. H. T. Hagelstein. 1,461,876; July 17.
Store directory, Self-service-. O. Stavig. 1,462,390; July 17.
Store-front construction. D. J. Murnane. 1,462,211; July 17.
Stove cover. F. L. Robertson. 1,461,856; July 17.
Stovepipe lock. T. N. Goffe. 1,461,773; July 17.
Stump sock. N. H. Smith. 1,461,987; July 17.
Supporting device. J. B. Rose. 1,461,938; July 17.
Surgical instrument. E. B. Hopper. 1,462,202; July 17.
Surgical snare. E. C. Day. 1,461,864; July 17.
Surgical snare and universal handle. E. C. Day. 1,461,865; July 17.
Switch: *See*—
Electric switch. Sequence switch.
Line switch.
Switch stand, Automatic. S. Riddel. 1,461,937; July 17.
Switching apparatus. W. M. Scott. 1,461,942; July 17.
Switching device. E. O. Scriven. 1,462,050; July 17.
Table: *See*—
Paper-hanger's table.
Tack, Eyelet. J. P. Bryant. 1,462,262; July 17.
Talking machine. B. E. Lane. 1,462,114; July 17.
Talking machines, Portable casing for. R. F. R. Amor. 1,461,859; July 17.
Tank: *See*—
Automobile emergency fuel tank.
Tank heater. H. Lockhart. 1,462,237; July 17.
Telephone pencil holder. H. S. Holywell. 1,462,108; July 17.
Telephone receiver, Loud-speaking. G. R. Lum. Des. 62,672; July 17.
Telephone repeating system. M. Latour. 1,462,368; July 17.
Telephone-signal-allotting system. J. A. Taggart. 1,462,252; July 17.
Telephone support. J. J. Moss. 1,462,240; July 17.
Telephone system, Automatic. M. L. Nelson. 1,461,980; July 17.
Tennis-court marker. M. K. Murray. 1,462,145; July 17.
Tennis post. R. R. and A. Hirst. 1,462,201; July 17.
Theft-preventing device. J. F. White. 1,462,404–5; July 17.
Thermostat, Radiator. A. I. Kaplon. 1,462,012; July 17.
Thermostatic control. J. E. Harvey. 1,461,878; July 17.
Thrashing machines, Stacker for. J. Kosán. 1,462,289; July 17.
Threads, Apparatus for testing bolt. F. Meyer. 1,461,782; July 17.
Ticket, Railway. P. F. Malloy. 1,461,926; July 17.
Tightener, Siding. F. Walker. 1,461,991; July 17.
Timer, E. Von Hambach. 1,462,309; July 17.
Tin from impure ores, Recovering. H. H. Alexander. 1,461,957; July 17.
Tire. A. J. Wiegand. 1,461,766; July 17.
Tire and rim construction. C. N. McClintock. 1,462,117; July 17.
Tire, Automobile. J. D. Comstock. Des. 62,667; July 17.
Tire-chain tightener and lock. L. Slama. 1,462,249; July 17.
Tire-changing jack. L. J. McKone. 1,462,040; July 17.
Tire construction. W. G. Lerch. 1,462,453; July 17.
Tire construction. F. B. Pfeiffer. 1,461,984; July 17.
Tire gauge cutter. E. O. Fellroth. 1,462,198; July 17.
Tire lock, Spare-. C. R. Mennillo. 1,462,238; July 17.
Tire machine. R. S. Trogner. 1,462,465; July 17.
Tire pump. P. Wajdic. 1,462,432; July 17.
Tire, Resilient. C. Schneider. 1,461,986; July 17.
Tire-rim rack. C. H. Larson. 1,462,455; July 17.
Tire, Spring. A. E. Bauman. 1,462,440; July 17.
Tire tread. E. P. Weber. Des. 62,682; July 17.
Tire valve. W. E. Copithorn. 1,462,227; July 17.
Tire, Wheel. F. C. Miller. 1,461,928; July 17.
Tires and the like, Manufacturing pneumatic. K. B. Kibborn and W. S. Wolfe. 1,462,452; July 17.
Tires, Safety device for inflating pneumatic. H. H. Breeden. 1,462,081; July 17.
Tires into transverse sections, Machine for cutting. E. O. Fellroth. 1,462,197; July 17.
Tone arm. F. Obergst. 1,461,829; July 17.
Tongs, Pipe-hook. L. S. Hamer. 1,462,037; July 17.
Tool. E. G. Colson. 1,462,101; July 17.
Tool, Electrically-heated. E. A. Wagner. 1,462,431; July 17.
Tool or implement case. C. W. Reglein. 1,462,245; July 17.
Tools, Flexible guard for machine. O. W. Birhanzl. 1,461,887; July 17.
Toothbrush and dentifrice container, Combined. W. E. Little. 1,461,922; July 17.
Toothbrush and water-glass holder, Combined. R. D. Mayo. 1,461,804; July 17.
Toothpick and making same. G. M. Browning. 1,462,062; July 17.
Top. A. L. Zander. 1,461,843; July 17.
Top, Flying. L. Wolfe. 1,462,221; July 17.
Torch burner. O. J. Groehn. 1,461,897; July 17.
Toy. F. L. Lindstrom. 1,462,090; July 17.
Toy. S. Penksa. 1,461,932; July 17.
Toy aeroplane. W. A. Piper and A. V. Naegele. 1,462,244; July 17.
Toy animal. E. A. Tichler. Des. 62,677; July 17.
Toy pistol. O. C. Madison. 1,461,778; July 17.
Tractor. W. A. Armstrong. 1,461,997; July 17.
Tractor. R. P. Saffold. 1,462,304; July 17.
Tractor attachment. H. M. Greasley. 1,462,451; July 17.
Tractor attachment. V. Ivarson. 1,462,341; July 17.
Tractor attachment. A. R. Tilstra. 1,462,155; July 17.
Tractor hitch. M. M. Knowles and J. N. Bates. 1,462,414; July 17.
Tractor steering mechanism. J. G. Bolte. 1,461,965; July 17.
Tractor wheel. W. W. Tuttle. 1,461,951; July 17.
Tractors, Cultivator attachment for. S. I. Neher. 1,462,022; July 17.
Trap. L. F. Hardesty. 1,462,007; July 17.
Traffic regulator. G. C. Degner. 1,462,266; July 17.
Traffic signal. C. F. Kellerman. 1,462,365; July 17.
Trail stop. D. A. Gurney. 1,462,280; July 17.
Trailer connection. E. F. Hartwick. 1,461,880; July 17.
Trains, Air brake for. E. M. Cavanagh and R. E. McFarlane. 1,461,968; July 17.
Train control, Track device for automatic. W. M. Beck. 1,461,792; July 17.
Transmission bands, Adjusting mechanism for. A. Krehlik. 1,461,916; July 17.
Transmission drive. W. H. Schulze. 1,461,941; July 17.
Transmission, Resilient. B. F. Seymour. 1,462,383; July 17.
Trap: *See*—
Steam trap.
Trap. L. C. Accola. 1,461,743; July 17.
Trap. N. V. Wallis. 1,462,399; July 17.
Trap for capturing animal. A. B. Dodson. 1,462,102; July 17.
Travel-indicating instruments, Drive connection for. W. H. Schulze. 1,461,806; July 17.
Tray-turning machine. W. F. Schaller. 1,462,468; July 17.
Trench defense. J. Bieneck. 1,461,963; July 17.
Truck bodies, etc., Sheet-metal construction for. A. S. Hughes. 1,461,907; July 17.
Truck bodies, racks, etc., Sheet-metal construction for. A. S. Hughes. 1,461,906; July 17.
Truck body. A. S. Hughes. 1,461,905; July 17.
Trucks, Kickoff for hand. S. Kerr. 1,462,233; July 17.
Truss, Hernial. G. A. McMillen. Re15,657; July 17.
Tube: *See*—
Collapsible tube.
Tube-forming machine. W. Jaquiery. 1,461,848; July 17.
Turbine construction, Water-. F. Parmentier. 1,462,070; July 17.
Turning machines, Fixture for. W. R. Adams and H. L. Pound. 1,461,884; July 17.
Twine-cutting device. S. Yamada. 1,462,097; July 17.
Typewriters, Variable carriage feed mechanism for. A. S. Wheeler. 1,462,183; July 17.
Typewriting machine. F. H. Armstrong. 1,461,718–20; July 17.
Typewriting machine. E. L. Harmon. 1,461,731; July 17.
Typewriting machine. O. Petermann. 1,461,734; July 17.
Typewriting machines, Segment carrier for. F. H. Armstrong. 1,461,717; July 17.
Typograph mechanism. C. A. Harms. 1,462,338; July 17.
Typographical mold. H. J. Megley. 1,461,927; July 17.
Vacuum cleaner. P. Rieman. 1,462,071; July 17.
Vacuum cleaner. A. A. Warner. 1,461,809; July 17.
Vacuum-cleaner attachment. D. Tonso. 1,462,218; July 17.
Vacuum cleaning device. M. S. Wright. 1,462,223; July 17.
Vacuum tubes, Switching mechanism for. P. I. Wold. 1,462,057; July 17.
Vacuum vessel, slab, partition, and other double-walled vacuum structure. A. J. Roach-Cuming. 1,462,092; July 17.
Valve. J. T. Hostetter and F. J. Kelser. 1,462,110; July 17.
Valve. L. F. O'Flaherty and W. L. Kirkpatrick. 1,462,147; July 17.
Valve, Air-control. L. F. Chaney. 1,462,263; July 17.
Valve chambers, Temporary end closure for locomotive. O. Kuhner. 1,462,113; July 17.
Valve device for duplex pumps. H. P. Petersen. 1,462,122; July 17.
Valve, Expansion. R. Whitaker. 1,462,466; July 17.
Valve for air brakes, Control. W. Hildebrand. 1,461,845; July 17.
Valve for power reverse gears. W. F. Kiesel, jr. 1,461,854; July 17.
Valve, Gasoline reserve. E. J. Stalder and E. Scholz. 1,462,216–17; July 17.
Valve means, Automatic. G. H. Anderson. 1,461,885; July 17.
Valve, Reducing. J. Rumpf. 1,461,738; July 17.
Valve, Rotary. M. O. Anthony. 1,462,160; July 17.
Valve-testing device. W. E. Lauster. 1,462,115; July 17.
Valve, Self-contained blow-off. C. H. Stroud. 1,461,835; July 17.
Valves, Means for controlling flush-tank. E. G. Hedges and W. W. Heroy. 1,462,106; July 17.

Valve unloader, Plate-. F. W. Parsons. 1,462,301; July 17.
Vanity case. B. F. Ostrowski. 1,462,376; July 17.
Varnish, Composition for. R. S. Lloyd. 1,462,236; July 17.
Vehicle, Coasting. W. T. Wood. 1,462,312; July 17.
Vehicle, Motor. K. R. Peters. 1,461,735; July 17.
Vehicle roofs, Construction of. C. F. Dennis. 1,462,329; July 17.
Vehicle trailing device. L. Erickson. 1,462,103; July 17.
Vehicle wheel. R. J. Burrows. 1,461,889; July 17.
Vehicle wheel. J. G. Feil. 1,461,978; July 17.
Vehicle wheel. A. F. Kelly. 1,461,912; July 17.
Vehicle wheel. J. L. Stultz. 1,462,128; July 17.
Vehicles, Running gear for wheeled. H. E. Austin and J. C. Cook. 1,462,255; July 17.
Vehicles, Signal device for. J. P. Brophy. 1,462,319; July 17.
Vehicles, Speed-control mechanism for. H. V. Rudolph. 1,462,357–8; July 17.
Vehicles, Support for spring. E. G. Deucher. 1,461,894; July 17.
Vending machine. P. J. Hegnes. 1,462,283; July 17.
Vending machine, Coin-controlled. H. Giles. 1,462,199; July 17.
Ventilator. T. A. Jenkins. 1,462,343; July 17.
Voltage indicator, Maximum. M. Sultzer. 1,461,790; July 17.
Wall board, Machine for the manufacture of. S. Cooper. 1,461,724; July 17.
Wash machine. W. Jepson. 1,462,286; July 17.
Washing machine. R. L. Kincaid. 1,461,914; July 17.
Waste basket. M. H. Connor. Des. 62,668; July 17.
Watch case. M. Spiro. 1,462,076; July 17.
Water-closets and the like, Disinfector attachment for the flushing arrangements of. R. V. Farnham. 1,462,033; July 17.
Waterproofing composition. A. Schmidt. 1,462,381; July 17.
Wave motor. C. E. Boone. 1,461,747; July 17.
Waxer and polisher, Floor. J. G. Brooks. 1,461,723; July 17.
Wells and oil-bearing strata, Process and apparatus for extracting hydrocarbons from oil. W. J. Knox. 1,462,288; July 17.
Wells, Iron spool for wire cables of oil. E. F. Smith. 1,462,388; July 17.
Wheel: *See*—
Disk wheel. Tractor wheel.
Spring wheel. Vehicle wheel.
Wheel. R. J. Burrows. 1,461,888; July 17.
Wheels, Fixed-rim construction for disk. L. B. Harvey. 1,462,282; July 17.
Whip holder. H. Wilkinson. 1,461,993; July 17.
Whirligig. L. V. Aronson. 1,462,317; July 17.
Whistle. H. G. Balthasar. 1,462,161; July 17.
Window-cleaning device. P. Sporer. 1,461,947; July 17.
Window construction. R. S. Drummond. 1,461,818; July 17.
Window, especially for railway, tramway, and other vehicles. A. Mollenkopf. 1,462,239; July 17.
Window spring. O. A. Lawrence. 1,462,235; July 17.
Wire, Apparatus for spooling. J. M. Leidecker and J. G. Burch. 1,462,014; July 17.
Wire-cloth-display roll rack. C. M. McCarthy. 1,462,349; July 17.
Wire-covering machine. W. E. Cook. 1,461,816–17; July 17.
Wire stretcher and hoist, Combination woven-. I. Hutcherson. 1,462,011; July 17.
Wireless telegraphy, Transmitting and receiving apparatus for. G. H. Clark. 1,461,754; July 17.
Work support. J. H. Pope. 1,461,785; July 17.
Wrench: *See*—
Adjustable wrench. Pipe clamp and wrench.
Wrench. T. M. Renick. 1,462,246; July 17.
Wrench. C. J. Witsel. 1,461,810; July 17.
Yarn, Device for guiding, clearing, and tensioning. J. O. McKean. 1,462,292; July 17.

CLASSIFICATION OF PATENTS

ISSUED JULY 17, 1923.

NOTE.—First number=class, second number=subclass, third number=patent number.

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242— 118: 1,462,192
244— 2: R. 15,656
1,462,221
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31: 1,462,187
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19: 1,462,038
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267— 17: R. 15,659
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ALPHABETICAL LIST OF REGISTRANTS OF TRADE-MARKS.

Abel-Jensen Laboratories, Chicago, Ill. Alkaline salts. 170,815; July 24; Serial No. 171,884; published Apr. 24, 1923.

Accas Brothers, New York, N. Y. Wheat flour. 170,936; July 24; Serial No. 169,470; published Feb. 27, 1923.

Accas Brothers, New York, N. Y. Wheat flour. 170,964; July 24.

Adams, Harry E., Haverhill, Mass. Women's sandals of leather and textile material. 170,762–5; July 24; Serial Nos. 176,705–8; published Apr. 24, 1923.

Adler, Elias J., Brooklyn, N. Y. Crackers. 170,906; July 24; Serial No. 156,345; published Mar. 27, 1923.

Agra Company, Detroit, Mich. Perfumes. 170,783; July 24; Serial No. 174,762; published Apr. 24, 1923.

Algin Company, Limited, The, Penzance, England. Foods for cattle, horses, sheep, pigs, and poultry. 170,854; July 24; Serial No. 163,661; published Mar. 20, 1923.

Alpina Cheese Co., Burgdorf, Switzerland. Swiss cheese. 170,822; July 24; Serial No. 170,113; published Mar. 20, 1923.

Alpina Cheese Co., Burgdorf, Switzerland. Swiss cheese. 170,834; July 24; Serial No. 170,110; published Mar. 20, 1923.

American Marine Paint Company, Inc., New York, N. Y. Paints. 170,784; July 24; Serial No. 174,987; published Apr. 24, 1923.

American Milling Company, Peoria, Ill. Dairy feed. 170,851; July 24; Serial No. 163,848; published Apr. 3, 1923.

American Radiator Company, East Orange, N. J., and Chicago, Ill. Combined boiler and heater. 170,704; July 24; Serial No. 154,073; published Apr. 24, 1923.

Associated Exhibitors Inc., Dover, Del., and New York, N. Y. Motion pictures. 170,776; July 24; Serial No. 175,759; published Apr. 24, 1923.

Auerbach, D., and Sons, New York, N. Y. Candies. 170,747; July 24; Serial No. 173,737; published Apr. 24, 1923.

Baalmann, John, San Francisco, Calif. Gas tablets for relieving gas from the stomach and bowels, etc. 170,830; July 24; Serial No. 169,996; published Apr. 24, 1923.

Ballard & Ballard Co., Louisville, Ky. Self-rising wheat flour. 170,705; July 24; Serial No. 154,075; published Mar. 20, 1923.

Ballard & Ballard Company, Louisville, Ky. Self-rising flour. 170,882; July 24; Serial No. 157,295; published Mar. 20, 1923.

Ballard & Ballard Company, Louisville, Ky. Self-rising wheat flour. 170,883; July 24; Serial No. 159,080; published Mar. 20, 1923.

Ballard & Ballard Company, Louisville, Ky. Prepared wheat flour. 170,884; July 24; Serial No. 159,079; published Mar. 20, 1923.

Balsamea Co., The, San Francisco, Calif. Medicinal preparation recommended for the treatment of affections of the throat, etc. 170,724; July 24; Serial No. 172,661; published Apr. 24, 1923.

Barnard, William E., doing business as Web Sterilizer Co., New York, N. Y. Toothbrush sterilizers. 170,887; July 24; Serial No. 160,747; published Apr. 24, 1923.

Battle Creek Food Company, The, Battle Creek, Mich. Prepared nut food. 170,860; July 24; Serial No. 168,509; published Mar. 27, 1923.

Baumert, F. X., & Co., Inc., New York, N. Y. Cheese. 170,827; July 24; Serial No. 169,746; published Feb. 27, 1923.

Beatrice Creamery Company, Chicago, Ill., and Topeka, Kans. Butter. 170,956; July 24.

Becker, August J., doing business as Becker's Bakery, Red Wing, Minn. Bread and doughnuts. 170,837; July 24; Serial No. 161,022; published Mar. 27, 1923.

Becker's Bakery. (See Becker, August J.)

Beech-Nut Packing Company, Canajoharie, N. Y. Bacon. 170,929; July 24; Serial No. 162,798; published Apr. 24, 1923.

Benjamin & Johnes, Newark, N. J. Brassières. 170,826; July 24; Serial No. 170,861; published Apr. 24, 1923.

Berry Brothers, Detroit, Mich. Varnishes. 170,770; July 24; Serial No. 177,647; published Apr. 24, 1923.

Bixler Baking Company, The, Youngstown, Ohio. Bread. 170,934; July 24; Serial No. 169,615; published Feb. 27, 1923.

Black, J. S., Kansas City, Mo. Wheat flour. 170,812; July 24; Serial No. 169,048; published Mar. 27, 1923.

Boonville Mills Company, Boonville, Mo. Wheat flour, corn meal, and Graham flour. 170,845; July 24; Serial No. 162,912; published Mar. 20, 1923.

Borden Company, The, New York, N. Y. Caramels. 170,987; July 24.

Bowman Bros. Seed Co., Concordia, Kans. Hen food, egg mash, chick food, and chick mash. 170,835; July 24; Serial No. 162,658; published Mar. 20, 1923.

Boyd, John S., Company Inc., Williamstown, Mass. Cotton pile cloth in the piece. 170,878; July 24; Serial No. 157,827; published May 1, 1923.

Bramberger Reinthal Company, The, Cleveland, Ohio. Caps. 170,722; July 24; Serial No. 173,459; published June 5, 1923.

Bromley, John, & Sons, Incorporated, Philadelphia, Pa. Lace curtains and nets or curtain lace in piece goods. 170,975; July 24.

Burpee, W. Atlee, Co., Philadelphia, Pa. Flower seeds. 170,785; July 24; Serial No. 175,060; published Apr. 24, 1923.

Burpee, W. Atlee Co., Philadelphia, Pa. Vegetable, flower, and lawn-grass seeds and bulbs. 170,786; July 24; Serial No. 175,067; published Apr. 24, 1923.

Bush, W. J., & Co., Inc., New York, N. Y. Toilet water. 170,718–9; July 24; Serial Nos. 173,170–1; published Apr. 24, 1923.

Butler, James, Grocery Company, New York, N. Y. Birds' food. 170,843; July 24; Serial No. 163,430; published Apr. 3, 1923.

Cable-Nelson Piano Company, Chicago, Ill. Pianos and player pianos. 170,960; July 24.

Cabot, Godfrey L., Inc., Boston, Mass. Carbon black. 170,757; July 24; Serial No. 176,071; published Apr. 24, 1923.

Cabot, Godfrey L., Inc., Boston, Mass. Carbon black. 170,771; July 24; Serial No. 176,070; published Apr. 24, 1923.

Cabot, Godfrey L., Inc., Boston, Mass. Carbon black. 170,778; July 24; Serial No. 176,067; published Apr. 24, 1923.

Cabot, Godfrey L., Inc., Boston, Mass. Carbon black. 170,779; July 24; Serial No. 176,069; published Apr. 24, 1923.

Caladero Products Company, Atascadero, Calif. Dehydrated apricot jam, peach jam, vegetable soups, etc. 170,818; July 24; Serial No. 164,695; published Mar. 27, 1923.

Calhoun, Robbins & Co., New York, N. Y. Hose supporters, garters, belts, etc. 170,729; July 24; Serial No. 172,201; published Apr. 24, 1923.

California Growers Association, Inc., Los Angeles, Calif. Canned fruits and vegetables, olives, olive oil. 170,910; July 24; Serial No. 148,579; published Nov. 29, 1921.

Cape Cod United Products Co., Inc., Hyannis, Mass. Artificial pearls. 170,961; July 24.

Carolina Creamery Co., Asheville, N. C. Ice cream and butter. 170,710; July 24; Serial No. 149,504; published Mar. 20, 1923.

Castle Company, Lyons, N. Y. Canned sauerkraut. 170,823; July 24; Serial No. 170,273; published May 8, 1923.

Century Biscuit Co., Indianapolis, Ind. Wafers and crackers. 170,918; July 24; Serial No. 166,350; published Mar. 20, 1923.

City Dairy and Ice Cream Co., St. Joseph, Mo. Ice cream. 170,846; July 24; Serial No. 165,229; published Mar. 20, 1923.

Cl-O-D Cereal Co. (See Gillitt, Fred. C.)

Cohn Hall Marx Co., New York, N. Y. Cotton piece goods. 170,788; July 24; Serial No. 175,302; published Apr. 24, 1923.

Colorado Milling & Elevator Co., The Denver, also doing business as The Ft. Collins Flour Mills, Fort Collins, Colo. Wheat flour. 170,844; July 24; Serial No. 163,258; published Mar. 27, 1923.

Condit Electrical Mfg. Co., Boston, Mass. Air circuit breakers, switches, coils, etc. 170,955; July 24.

Consolvo Manufacturing Company, Inc., South Norfolk, Va. Chemical used as a flux for the preparation of an antirusting soldering solution. 170,725; July 24; Serial No. 172,664; published Apr. 24, 1923.

Coulson, Chas. H., doing business as Coulson Heel Company, Hanover, Pa. Shoe heels. 170,731; July 24; Serial No. 172,262; published Apr. 24, 1923.

Craddock Terry Company, Lynchburg, Va. Women's shoes. 170,728; July 24; Serial No. 171,906; published Apr. 24, 1923.

Cushman's Sons, Inc., New York, N. Y. Cakes. 170,896; July 24; Serial No. 171,415; published Mar. 13, 1923.

Cyganiewicz, John, Chicago, Ill. Ladies' hand bags and pocketbooks. 170,787; July 24; Serial No. 175,071; published Apr. 24, 1923.

Davis, William A., doing business as Wm. A. Davis Co., Temple, Tex. Frozen fruits and ice cream. 170,861; July 24; Serial No. 167,767; published Apr. 24, 1923.

Dawson-Edwards Company, Rocky Ford, Colo. Cantaloupes. 170,893; July 24; Serial No. 160,876; published Apr. 24, 1923.

Deavy, Thomas R., doing business as Vesper Pharmacal Co., Tacony, Philadelphia, Pa. Liquid medicine for indigestion, vertigo, etc. 170,919; July 24; Serial No. 165,855; published Apr. 24, 1923.

De Brule, August G., doing business as Porcupine Medicine Co., Blewett and Spokane, Wash. Compound for treating rheumatism and diseases of the blood. 170,741; July 24; Serial No. 170,295; published Apr. 24, 1923.
Defiance Pressed Steel Company, The, Defiance, Ohio. Bottle containers or cases. 170,775; July 24; Serial No. 175,714; published Apr. 24, 1923.
Detroit Insulated Wire Company, Detroit, Mich. Insulated wire. 170,969; July 24.
Dwinell-Wright Company, Boston, Mass. Coffee. 170,707; July 24; Serial No. 154,793; published May 1, 1923.
Edith Frances. (See Gallagher, James T.)
Elite Confectionery Co., El Paso, Tex. Frozen confections. 170,868; July 24; Serial No. 166,864; published Jan. 16, 1923.
Elite Confectionery Co., El Paso, Tex. Frozen confections. 170,869; July 24; Serial No. 166,663; published Jan. 23, 1923.
Elk Mountain Orchard Co., Asheville, N. C. Fresh apples. 170,917; July 24; Serial No. 166,356; published Apr. 24, 1923.
Elliott, J. S., Coffee Company, Newville, Pa. Coffee. 170,886; July 24; Serial No. 159,746; published May 8, 1923.
Ely & Walker Dry Goods Company, St. Louis, Mo. Sheets and pillowcases. 170,702; July 24; Serial No. 150,141; published Nov. 8, 1921.
Empire Food Products Company, New York, N. Y. Powdered milk and a powder containing cocoa, sugar, and skimmed milk. 170,909; July 24; Serial No. 151,358; published Apr. 3, 1923.
Erlanger, N., Blumgart & Co., Inc., New York, N. Y. Cotton yarns. 170,970; July 24.
Evans, Emory J., Kenova, W. Va. Medicine and ingredients of medicine used for tuberculosis, bronchial trouble, etc. 170,732; July 24; Serial No. 172,324; published Apr. 24, 1923.
Everett, Heaney & Co. Inc., New York, N. Y. Printed shirtings and percales. 170,952; July 24; Serial No. 166,823; published Apr. 24, 1923.
Everett, Heaney & Co. Inc., New York, N. Y. Printed shirtings and percales. 170,953; July 24; Serial No. 166,820; published Apr. 24, 1923.
Fabrique-de Soie Artificielle de Tubize, Societe Anonyme, Brussels, Belgium. Artificial-silk threads and yarns. 170,908; July 24; Serial No. 154,406; published Feb. 20, 1923.
Fairchild Milling Company, The, Cleveland, Ohio. Flour and corn meal. 170,972; July 24.
Favorite Cereals Company, Minneapolis, Minn. Corn flakes. 170,832; July 24; Serial No. 170,058; published Feb. 27, 1923.
Fellner, Louis B., Belleville, Ill. Bread. 170,804; July 24; Serial No. 169,579; published Apr. 3, 1923.
Filice & Perrelli Canning Co., Gilroy, Calif. Canned fruits and vegetables. 170,963; July 24.
Fink, William B., Detroit, Mich. Breakfast cereal. 170,796; July 24; Serial No. 169,968; published Feb. 27, 1923.
Forstner Chain Corporation, Irvington, N. J. Chains for personal adornment made of or plated with precious metal. 170,715; July 24; Serial No. 139,118; published Apr. 24, 1923.
Foster, Clyde C., doing business as The Nuway Company, Decatur, Ill. Flavoring extracts for food of all kinds. 170,945; July 24; Serial No. 168,027; published Mar. 20, 1923.
Ft. Collins Flour Mills, The. (See Colorado Milling & Elevator Company.)
Gallagher, James T., doing business as Edith Frances, Miami, Fla. Deodorant. 170,740; July 24; Serial No. 174,239; published Apr. 24, 1923.
General Bakelite Company, Perth Amboy, N. J. Pipes and pipe parts. 170,772; July 24; Serial No. 175,601; published Apr. 24, 1923.
Gillitt, Fred C., doing business as C-O-D Cereal Co., St. Paul, Minn. Breakfast cereals. 170,876; July 24; Serial No. 158,369; published Mar. 20, 1923.
Glemby's, S., Sons Co., Inc., New York, N. Y. Powder puffs. 170,973; July 24.
Gilstridis, Frosso & Co., New York, N. Y. Candles. 170,766; July 24; Serial No. 177,183; published Apr. 24, 1923.
Gordon, Gordon, Chicago, Ill. Rouges and lip sticks. 170,991; July 24.
Gottschalk, Steinberg & Co. Inc., New York, N. Y. Veils. 170,890; July 24; Serial No. 160,286; published Sept. 5, 1922.
Grant, W. T., Company, Lynn, Mass., and New York, N. Y. Furniture polish. 170,760; July 24; Serial No. 176,405; published Apr. 24, 1923.
Great Atlantic and Pacific Tea Company, The, Jersey City, N. J. Chocolates. 170,754; July 24; Serial No. 173,417; published Apr. 24, 1923.
Greenfield's, E., Sons, New York and Brooklyn, N. Y. Chocolates and candies. 170,824; July 24; Serial No. 170,380; published Apr. 24, 1923.
Griffith-Durney Co., San Francisco, Calif. Canned fruits and vegetables. 170,931; July 24; Serial No. 170,016; published May 8, 1923.
Hale, Alfred, Rubber Company, Quincy, Mass. Boots, shoes, and slippers made wholly or in part of leather, canvas, rubber, etc. 170,716; July 24; Serial No. 173,314; published Apr. 24, 1923.
Hanson Milling Company, Ashland, Wis. Wheat flour. 170,839; July 24; Serial No. 161,881; published Apr. 3, 1923.
Harlfinger Baking Co., Albany, N. Y. Bread. 170,957; July 24.
Heinze, Augustus P., doing business as Motor Kool Co., Dertoit, Mich. Preparation to clean and remove scale and foreign accumulations from the interior of automobile radiators and cooling systems. 170,713; July 24; Serial No. 138,168; published Apr. 24, 1923.
Heller, B., & Company, Chicago, Ill. Body-vermin exterminator and insecticide. 170,986; July 24.
Heller, B., & Company, Chicago, Ill. Barrels, drums, boxes, cases, cartons, packages, and containers. 170,992; July 24.
Herrick, William W., Saratoga Springs, N. Y. Cathartic tablets, dyspepsia and indigestion tablets, antiseptic preparations. 170,739; July 24; Serial No. 174,206; published Apr. 24, 1923.
Higgins-Babcock-Hurd Company, The, Cleveland, Ohio. Salad dressing, vinegar, canned fruits and vegetables, etc. 170,847; July 24; Serial No. 165,134; published Mar. 27, 1923.
Hill-Hubbell and Company, San Francisco, Calif. Anticorrosive protective and waterproof paint coatings, bituminous paints, marine paint, etc. 170,881; July 24; Serial No. 157,426; published Mar. 20, 1923.
Hirsch Brothers Co., Chicago, Ill. Cake mix. 170,899; July 24; Serial No. 171,081; published Mar. 13, 1923.
Hirz Bros., Paterson, N. J. Cake. 170,966; July 24.
H-O Cereal Company, Inc., The, Buffalo, N. Y. Flour made from wheat, corn, rice, etc., and breakfast cereals. 170,697; July 24; Serial No. 155,560; published Mar. 20, 1923.
H-O Cereal Company, Inc., The, Buffalo, N. Y. Poultry feeds. 170,855; July 24; Serial No. 168,968; published Mar. 20, 1923.
Hodge, E. D., Tool and Manufacturing Company, Watertown, N. Y. Timers for Ford cars and tractors. 170,962; July 24.
Hoffman, F. A., Co., The, Cleveland, Ohio. Dairy products—namely, butter, evaporated milk, eggs, etc. 170,852; July 24; Serial No. 163,798; published Mar. 27, 1923.
Hoffmann, William, Chicago, Ill. Tonic and food for feathered pets. 170,898; July 24; Serial No. 171,217; published Mar. 13, 1923.
Hofstra Manufacturing Company, Tulsa, Okla. Insecticides. 170,980; July 24.
Holland Food Corporation, New York, N. Y. Cheese. 170,862; July 24; Serial No. 167,617; published Mar. 20, 1923.
Hom-Pyrrho Co., San Francisco, Calif. Mouth wash and a remedy for pyorrhea. 170,744; July 24; Serial No. 174,626; published Apr. 24, 1923.
Hood, H. P., & Sons, Inc., Boston, Mass. Butter, dried beans, bread, buttermilk, etc. 170,911; July 24; Serial No. 146,216; published Apr. 3, 1923.
Hood Rubber Company, Watertown, Mass. Rubber boots and shoes, rubber overshoes, and rubber-soled canvas shoes. 170,759; July 24; Serial No. 176,344; published Apr. 24, 1923.
Hughes, Henry L., Co., Inc., New York, N. Y. Nail polish. 170,755; July 24; Serial No. 173,497; published Apr. 24, 1923.
Hunter Manufacturing & Commission Co., New York, N. Y. Cotton piece goods. 170,789; July 24; Serial No. 175,314; published Apr. 24, 1923.
Hurley Shoe Co., Rockland, Mass. Shoes. 170,940; July 24; Serial No. 168,844; published Apr. 24, 1923.
Huss, Anna, Menlo Park, Calif. Cheese. 170,850; July 24; Serial No. 163,873; published Mar. 20, 1923.
Hutt & Wasserman, Inc., New York, N. Y. Men's hats. 170,726; July 24; Serial No. 172,837; published Apr. 24, 1923.
Hyde, Geo. E., & Co. Inc., Campbell, Calif. Canned fruits. 170,943; July 24; Serial No. 168,413; published Apr. 24, 1923.
International Dry Milk Co., Minneapolis, Minn. Powdered milk. 170,698–700; July 24; Serial Nos. 155,689–91; published Apr. 24, 1923.
Iola Creamery Company, Iola, Kans. Butter. 170,809; July 24; Serial No. 171,759; published Mar. 13, 1923.
Iowa Fiber Box Company, Keokuk, Iowa. Fiber boxes. 170,761; July 24; Serial No. 176,475; published Apr. 10, 1923.
Iowa Soap Company, Burlington, Iowa. Toilet soap. 170,994–5; July 24.
Irvins', J. S., Son, Inc., Philadelphia, Pa. Biscuits. 170,976; July 24.
J. J. Company, The. (See Jenen, Joseph.)
Jenen, Joseph, doing business as The J. J. Company, Chicago, Ill. Polish for varnished, enameled, and lacquered surfaces. 170,738; July 24; Serial No. 174,142; published Apr. 24, 1923.
Jones, V. K. & A. H., & Thomas Co. Lynn, Mass. Boots and shoes. 170,737; July 24; Serial No. 173,357; published Apr. 24, 1923.
K L. M. Company, New York, N. Y. Diluted Epsom salts for use in the bath. 170,984; July 24.
Kalt, Joseph, jr., Milwaukee, Wis. Pies. 170,947; July 24; Serial No. 167,918; published Mar. 20, 1923.

Kellogg Toasted Corn Flake Co., Battle Creek, Mich. Cereal breakfast food. 170,696 July 24; Serial No. 156,905; published Mar. 20, 1923.
Kent-Costikyan Trading Company Inc., New York, N. Y. Textile rugs. 170,774; July 24; Serial No. 175,661; published Apr. 24, 1923.
Kevil Cereal Company, Princeton, Ky. Cereals made from wheat bran, honey, and salt. 170,803; July 24; Serial 169,550; published Feb. 27, 1923.
Kilzol Products Company, The, New York, N. Y. Insecticides, disinfectants, and deodorizers. 170,818; July 24; Serial No. 171,274; published Apr. 24, 1923.
Kin, Yamei, New York, N. Y. Curd meat from the soyer. 170,712; July 24; Serial No. 131,177; published Apr 24, 1923.
King Player Action Company, Inc., New York, N. Y. Piano-player actions. 170,734; July 24; Serial No. 172,420; published Apr. 24, 1923.
Knox Hat Company, Inc., New York, N. Y. Hats for men, women, and children. 170,820; July 24; Serial No. 171,806; published Apr. 24, 1923.
Kops Bros., New York, N. Y. Corsets, brassières, corset covers, waists, and underwear for women. 170,946; July 24; Serial No. 167,987; published Apr. 24, 1923.
Kozol Laboratories. (See McCollam, Francis L.)
Krank, A. J., Mfg. Co., St. Paul, Minn. Vanishing and massage cream. 170,745; July 24; Serial No. 173,500; published Apr. 24, 1923.
Krank, Alfred J., St. Paul, Minn. Hair tonic and fixative. 170,720; July 24; Serial No. 173,193; published Apr. 24, 1923.
Laboratoire Nativelle, Paris, France. Medicines for the treatment of affections of the heart. 170,954; July 24.
Laidlaw, James H., doing business as Marvel-o Manufacturing Co., San Diego, Calif. Polishing compound for automobile bodies. 170,711; July 24; Serial No. 149,592; published Apr. 24, 1923.
Lance Packing Co., Charlotte, N. C. Candy, peanut butter, peanut-butter sandwich, shelled and salted peanuts, marshmallows, etc. 170,701; July 24; Serial No. 156,644; published Mar. 20, 1923.
Larabee Flour Mills Corporation, The, Hutchinson, Kans., and Kansas City, Mo. Wheat flour. 170,807; July 24; Serial No. 171,502; published Mar. 13, 1923.
Larabee Flour Mills Corporation, The, Hutchinson, Kans., and Kansas City, Mo. Wheat flour. 170,841; July 24; Serial No. 162,426; published Mar. 20, 1923.
Larabee Flour Mills Corporation, Hutchinson, Kans., and Kansas City, Mo. Wheat flour. 170,931–2; July 24; Serial Nos. 162,427–8; published Mar. 20, 1923.
Lawrenceburg Roller Mills Co., Lawrenceburg, Ind. Wheat flour. 170,791; July 24; Serial No. 170,774; published Mar. 13, 1923.
London Shoe Co., Inc., New York, N. Y. Fabric and leather shoes. 170,717; July 24; Serial No. 172,948; published Apr. 24, 1923.
Louisville Milling Company, Louisville, Ky. Wheat flour. 170,916; July 24; Serial No. 166,695; published Mar. 20, 1923.
Ludlow Manufacturing Associates, Boston, Mass. Jute bagging. 170,981; July 24.
Lyndon Chemical Company, The, Dayton, Ohio. Ointment for aches, pains, burns, etc. 170,749–50; July 24; Serial Nos. 174,088–9; published Apr. 24, 1923.
McCollam, Francis L., doing business as Kozol Laboratories, New York, N. Y. Medical compounds for the relief of pain and the reduction of temperature. 170,735; July 24; Serial No. 172,426; published Apr. 24, 1923.
McKay Company, New York, N. Y. Chemical compound for etching glass. 170,751; July 24; Serial No. 174,091; published Apr. 24, 1923.
McKay-Manning, Incorporated, New York, N. Y. Cooked, uncooked, fresh, canned, compressed, dried, evaporated, frozen, preserved, sweetened, and unsweetened foods and food products. 170,914; July 24; Serial No. 166,783; published Mar. 20, 1923.
Macleay Estate Co., The, Portland, Oreg. Cheese. 170,856; July 24; Serial No. 168,772; published Mar. 20, 1923.
Mailliard & Schmiedell, San Francisco, Calif. Olive oil. 170,872; July 24; Serial No. 165,801; published Apr. 24, 1923.
Mailliard & Schmiedell, San Francisco, Calif. Olive oil. 170,922; July 24; Serial No. 165,802; published Apr. 24, 1923.
Maple Grove Candies, Inc., St. Johnsbury, Vt. Maple cream, sirup, sugar, and honey, sauce for ice cream. 170,706; July 24; Serial No. 154,522; published Apr. 17, 1923.
Markman, Simon, New York, N. Y. Clay and paste for the complexion. 170,927; July 24; Serial No. 162,941; published Apr. 24, 1923.
Martorelli, Raffaele, New York, N. Y. Olive oil. 170,703; July 24; Serial No. 152,269; published May 9, 1922.
Marvel-o Manufacturing Company. (See Laidlaw, James H.)
Meerse, Jacob, doing business as Union Brush Co., Cincinnati, Ohio. Brushes, mops, dusters. 170,983; July 24.
Meier, John, Shoe Company, St. Louis, Mo. Leather shoes. 170,875; July 24; Serial No. 158,722; published Apr. 24, 1923.
Menihan Company, The, Rochester, N. Y. Leather shoes. 170,874; July 24; Serial No. 158,787; published Apr. 24, 1923.
Menihan Company, The, Rochester, N. Y. Leather shoes. 170,885; July 24; Serial Nos. 158,788; published Apr. 24, 1923.
Merton, Charles S., & Co., East Rutherford, N. J. Men's and boys' hats and caps. 170,748; July 24; Serial No. 173,778; published Apr. 24, 1923.
Meyer Bros., Dalcour, La. Fresh vegetables. 170,924; July 24; Serial No. 164,334; published Apr. 24, 1923.
Midland Flour Milling Co., The, Kansas City, Mo. Mixed grade of mill feed. 170,814; July 24; Serial No. 169,369; published Feb. 27, 1923.
Miller-McConnel Grain Co., Kansas City, Kans. Stock and poultry feed. 170,870; July 24; Serial No. 166,465; published Mar. 20, 1923.
Milwaukee Paint & Varnish Works, Milwaukee, Wis. Varnish. 170,944; July 24; Serial No. 168,328; published Apr. 24, 1923.
Mitchell, Fredrick G., doing business as L. Mitchell & Company, Chicago, Ill. Bluing paddles. 170,756; July 24; Serial No. 173,334; published Apr. 24, 1923.
Modern Flour Mills, Macon, Ga. Wheat flour. 170,935; July 24; Serial No. 169,601; published Feb. 27, 1923.
Montague, W. R., Company, The, La Crosse, Wis. Cracker products, crackers, cakes, and Dutch-style cookies. 170,797; July 24; Serial No. 170,076; published Apr. 3, 1923.
Mooresville Co-Operative Creamery Co., Inc., The, Mooresville, N. C. Butter. 170,897; July 24; Serial No. 171,280; published Mar. 13, 1923.
Morris & Company, Chicago, Ill. Oleomargarine. 170,798; July 24; Serial No. 170,443; published Mar. 13, 1923.
Morrow Milling Company, Carthage, Mo. Wheat flour. 170,905; July 24; Serial No. 156,914; published Mar. 27, 1923.
Morse, C. C., and Co., San Francisco, Calif. Bird food. 170,810; July 24; Serial No. 171,943; published Mar. 20, 1923.
Motor Kool Co. (See Heinze, Augustus P.)
Mutual Products Company. (See Winslow, Carmi.)
Myers, Thomas A., doing business as Ye Olde Tyme Hard and Soft Pretzel Shop. Pretzels. 170,873; July 24; Serial No. 165,502; published Apr. 3, 1923.
N. V. Vernis- en Verffabriek v. h. J. Wagemakers & Zonen, Breda, Netherlands. Paints, varnishes, oils. 170,733; July 24; Serial No. 172,391; published Apr. 24, 1923.
National Marking Machine Company, Cincinnati, Ohio. Detergent. 170,977; July 24.
National Paper Can Company, The, Milwaukee, Wis. Paper cans. 170,767; July 24; Serial No. 177,317; published Apr. 24, 1923.
Natoma Farm, York and Illinsdale, Ill. Milk. 170,978; July 24.
New England Brewing Company, Jersey City, N. J., and Boston, Mass. Cane and maple-sugar sirup. 170,907; July 24; Serial No. 155,768; published June 6, 1922.
New Process Company, Warren, Pa. Wardrobe trunks. 170,773; July 24; Serial No. 175,620; published Apr. 24, 1923.
Niagara Alkali Company, Niagara Falls, N. Y. Flake lye. 170,829; July 24; Serial No. 169,918; published Apr. 24, 1923.
Noblesville Milling Co., Noblesville, Ind. Wheat flour. 170,863; July 24; Serial No. 167,531; published Mar. 20, 1923.
Noggle, S. W., doing business as The S. W. Noggle Company, Kansas City, Mo. Cake and pastry mixture. 170,805; July 24; Serial No. 169,773; published Feb. 27, 1923.
Noggle, S. W., Company, The. (See Noggle, S. W.)
Nowak Milling Corporation, Hammond, Ind., and Buffalo, N. Y. Horse and mule feed. 170,904; July 24; Serial No. 170,780; published Mar. 13, 1923.
Nuway Company, The. (See Foster, Clyde C.)
Oil and Chemical Corporation, The, Chicago, Ill. Lubricating oils and greases, automobile fuel oils, cutting oils for treating metals. 170,714; July 24; Serial No. 138,722; published Apr. 24, 1923.
Old Dutch Mills, Inc., New York, N. Y. Cocoa, tea, and rice. 170,792; July 24; Serial No. 170,594; published Mar. 13, 1923.
Old Homestead Bread Company, The, Denver, Colo. Bread. 170,838; July 24; Serial No. 159,978; published Apr. 3, 1923.
Olivette Laboratories, Inc., Providence, R. I. Toilet powder. 170,781; July 24; Serial No. 174,700; published Apr. 24, 1923.
Olson Brothers Company, Minneapolis, Minn. Polishes for furniture, automobiles, etc. 170,721; July 24; Serial No. 173,203; published Apr. 24, 1923.
Olson Coffee Co., Omaha, Nebr. Coffee, tea, spices, flavoring extracts. 170,859; July 24; Serial No. 168,546; published Apr. 17, 1923.
Omaha Alfalfa Milling Company, Omaha, Nebr. Stock and poultry feed. 170,942; July 24; Serial No. 168,429; published Mar. 20, 1923.
Orchard Drug Co., Lynchburg, Va. Emulsion petroleum used in throat, lung trouble, bronchitis, bronchial catarrh, etc. 170,926–1; July 24; Serial Nos. 165,807–8; published Apr. 24, 1923.

Owego Corset Company, Inc., Owego, N. Y. Corsets, girdles, bandeaux, and brassieres. 170,727; July 24; Serial No. 172,889; published Apr. 24, 1923.
P. R. K. Chemical Co. Inc., Frankfort, Ind. Composition for the removal of paint, varnish, and the like. 170,930; July 24; Serial No. 162,765; published Oct. 3, 1922.
Paetsch, Henry F., Pasadena, Calif. Breakfast cereal. 170,864; July 24; Serial No. 167,486; published Mar. 20, 1923.
Parched Wheat Co., The, Fostoria, Ohio. Breakfast cereal. 170,967; July 24.
Parker-Bridget Company, Washington, D. C. Men's winter hats. 170,730; July 24; Serial No. 172,238; published Apr. 24, 1923.
Perceval, C., New York, N. Y. Cheeses. 170,795; July 24; Serial No. 169,823; published Feb. 27, 1923.
Perceval, C., New York, N. Y. Cheese and mincemeat. 170,828; July 24; Serial No. 169,820; published Feb. 27, 1923.
Pfeffer Milling Company, Lebanon, Ill. Wheat flour. 170,833; July 24; Serial No. 170,080; published Feb. 27, 1923.
Philips, I. & M. (See Phillips, Manning.)
Phillips, Manning, doing business as I. & M. Phillips, New York, N. Y. Women's shirts, trousers, and jackets. 170,880; July 24; Serial No. 157,581; published Apr. 24, 1923.
Pittsburgh Plate Glass Company, Pittsburgh, Pa. Liquid and paste paints. 170,768; July 24; Serial No. 177,451; published Apr. 24, 1923.
Porcupine Medicine Co. (See De Brule, August G.)
Postum Cereal Company Incorporated, Battle Creek, Mich. Corn flakes. 170,853; July 24; Serial No. 163,763; published Feb. 13, 1923.
Price, Arthur, New York, N. Y. Advertising motion-picture-projection apparatus, motion-picture-display cabinets, etc. 170,941; July 24; Serial No. 168,691; published Apr. 24, 1923.
Py-Et Company, Seattle, Wash. Pastries. 170,802; July 24; Serial No. 169,456; published Feb. 27, 1923.
Reese, Edward, doing business as Standard Crystal Company, Newark, N. J. Radio detector crystals used in wireless receiving sets. 170,958; July 24.
Reubenstone, Louis, New York, N. Y. Jewelry. 170,937; July 24; Serial No. 169,423; published Apr. 24, 1923.
Reynolds, Charles A., doing business as C. A. Reynolds Leather Company, Camden, N. J. Goatskins, colt and horse hides, kips and cow sides. 170,743; July 24; Serial No. 174,592; published Apr. 24, 1923.
Ridley, Lotta B., Louisville, Ky. Face powder in paste form. 170,948; July 24; Serial No. 167,327; published Apr. 24, 1923.
Rike Folding Box Company, The, Dayton, Ohio. Paper garment bags. 170,892; July 24; Serial No. 159,882; published Apr. 24, 1923.
Ritter Brothers, New York, N. Y. Vanity cases and ladies' hand bags. 170,769; July 24; Serial No. 177,517; published Apr. 24, 1923.
Rock Island Register Company, Rock Island, Ill. Registers for heating purposes. 170,923; July 24; Serial No. 165,157; published Apr. 24, 1923.
Rogers, Francis, & Sons, New York, N. Y. Arch supports. 170,723; July 24; Serial No. 172,557; published Apr. 24, 1923.
Roller, George W., Spokane, Wash. Insecticide for use in exterminating rodents and insects. 170,752; July 24; Serial No. 173,364; published Apr. 24, 1923.
Romeo F., & Co., Inc., New York, N. Y. Olive oil. 170,979; July 24.
Rugby Milling Company, The, Rugby, N. Dak. Wheat flour. 170,842; July 24; Serial No. 162,055; published Mar. 20, 1923.
Russell, John W., Bryan, Ohio. Wheat flour made from cereals. 170,849; July 24; Serial No. 164,116; published Mar. 20, 1923.
S & G Manufacturing Company, Stockton, Calif. Combined pump and fan attachment for automobiles. 170,825; July 24; Serial No. 170,508; published Apr. 24, 1923.
Sands, Taylor & Wood Co., Boston, Mass. Wheat flour. 170,857; July 24; Serial No. 168,556; published Mar. 20, 1923.
Sands, Taylor & Wood Co., Boston, Mass. Wheat flour. 170,858; July 24; Serial No. 168,555; published Mar. 20, 1923.
San Xavier Fish Packing Company, Monterey, Calif. Sardines, anchovies, canned goods, etc. 170,971; July 24.
Sauers Milling Company, The, Evansville, Ill. Self-rising flour. 170,891; July 24; Serial No. 160,210; published Mar. 20, 1923.
Sawkins, Huntington D., Baltimore, Md. Salted peanuts and salted almonds. 170,746; July 24; Serial No. 173,589; published Apr. 24, 1923.
Scheel, William H., New York, N. Y. Lacquer compositions. 170,790; July 24; Serial No. 175,326; published Apr. 24, 1923.
Schulze Baking Company, Chicago, Ill. Bread. 170,974; July 24, 1923.
Sea Coast Packing Co., Seattle, Wash. Canned salmon. 170,965; July 24, 1923.
Sears, Roebuck and Company, New York, N. Y., and Chicago, Ill. Phonograph records. 170,708; July 24; Serial No. 140,072; published Apr. 24, 1923.
Seattle Macaroni Mfg. Co. Inc., Seattle, Wash. Alimentary pastes. 170,988; July 24.
Seidage, Joseph J., Spokane, Wash. Insecticide for use in exterminating rodents, etc. 170,753; July 24; Serial No. 173,366; published Apr. 24, 1923.
Six In One Cereal Co., Hinckley, Ill. Cereal breakfast foods. 170,877; July 24; Serial No. 157,903; published Mar. 20, 1923.
Societe Anonyme Parfumerie Violet, Paris, France. Perfumes, toilet waters, face powders, etc. 170,985; July 24.
Southern Oil & Feed Mills Inc., Petersburg, Va. Poultry feed. 170,996; July 24.
Spongette Pure Food Company, Wilmington, Del., and Pittsburgh, Pa. Bran biscuits. 170,867; July 24; Serial No. 166,909; published Mar. 27, 1923.
Staley, A. E., Manufacturing Company, Decatur, Ill. Sugar. 170,901-3; July 24; Serial Nos. 170,796-8; published Mar. 13, 1923.
Standard Crystal Company. (See Reese, Edward.)
Standard Oil Company of New York, New York, N. Y. Petroleum products—namely, gasoline and naphtha. 170,736; July 24; Serial No. 169,934; published May 15, 1923.
Sun Drug Co., The, Los Angeles, Calif. Olive oil, caraway and celery seeds, cocoa butter, etc. 170,912; July 24; Serial No. 139,632; published Apr. 3, 1923.
Swift and Company, Chicago, Ill. Butter, cheese, eggs, and sausage. 170,926; July 24; Serial No. 163,186; published Mar. 20, 1923.
Texas Farm Bureau Melon Growers' Exchange, Dallas, Tex. Watermelons. 170,950; July 24; Serial No. 167,152; published Apr. 24, 1923.
Thermalene Gas Corporation, Kankakee, Ill. Generators for producing gas, gas cartridges, and parts thereof, etc. 170,821; July 24; Serial No. 171,823; published Apr. 24, 1923.
Thompson Milling Co., Lockport, N. Y. Wheat flour. 170,888; July 24; Serial No. 160,727; published Mar. 20, 1923.
Tip Top Baking Co., Louisville, Ky. Bread. 170,808; July 24; Serial No. 171,558; published Mar. 13, 1923.
Travis, Romaine & Jellé, Inc., New York, N. Y. Silk, artificial-silk, cotton, and wool piece goods, and combinations thereof. 170,742; July 24; Serial No. 174,545; published Apr. 24, 1923.
Tribune Company, The, Chicago, Ill. Sheet paper for printing and writing. 170,879; July 24; Serial No. 157,592; published July 18, 1922.
Twombly, Edna G., Stoughton, Mass., administratix of the estate of Dr. James Twombly. Tonic for the nervous system. 170,819; July 24; Serial No. 171,341; published Apr. 21, 1923.
U. R. S. Candy Stores, Inc., also doing business as United Happiness Candy Stores, Long Island City, N. Y. Candy. 170,840; July 24; Serial No. 161,072; published Dec. 26, 1922.
Umpqua Valley Canning Company, Rosenburg, Oreg. Canned and dried fruits and canned vegetables. 170,989; July 24.
Union Brush Co. (See Meerse, Jacob.)
United Happiness Candy Stores. (See U. R. S. Candy Stores, Inc.)
United States Bung Mfg. Co., The, New York and Brooklyn, N. Y., and Cincinnati, Ohio. Bungs. 170,928; July 24; Serial No. 162,909; published Apr. 24, 1923.
United States Flour Mills Company, New Orleans, La. Hard-wheat flour, soft-wheat flour and self-rising flour. 170,865; July 24; Serial No. 167,437; published Mar. 20, 1923.
United States Flour Mills Company, New Orleans, La. Hard-wheat flour, soft-wheat flour, and self rising flour. 170,866; July 24; Serial No. 167,436; published Mar. 20, 1923.
Vaughan-Towle Co., Lynn, Mass. Shoes made wholly or in part of leather. 170,758; July 24; Serial No. 176,300; published Apr. 24, 1923.
Velones, Elnis, Indianapolis, Ind. Hair tonic. 170,968; July 24.
Vermont Creamery Incorporated, Pawtucket, R. I. Butter, eggs, cheese, lard, maple sugar, maple sirup, peanut butter. 170,871; July 24; Serial No. 165,903; published Mar. 27, 1923.
Vesper Pharmacal Co. (See Deavy, Thomas R.)
Victoria Pastry Co., San Francisco, Calif. French pastry and cakes covered with icing, cakes, macaroon tarts. 170,836; July 24; Serial No. 157,457; published Mar. 27, 1923.
Virden Packing Company, San Francisco, Calif. Smoked meats. 170,709; July 24; Serial No. 142,184; published May 8, 1923.
Wabasha Roller Mill Company, Wabasha, Minn. Wheat flour. 170,806; July 24; Serial No. 169,793; published Feb. 27, 1923.
Ward Baking Company, New York, N. Y. Bread. 170,794; July 24; Serial No. 169,794; published Feb. 27, 1923.
Ward Baking Company, New York, N. Y. Bread. 170,799; July 24; Serial No. 169,382; published Feb. 27, 1923.
Ward Baking Company, New York, N. Y. Bread, cakes, and cereal brakfast foods. 170,800; July 24; Serial No. 169,383; published Mar. 27, 1923.
Ward Baking Company, New York, N. Y. Bread. 170,801; July 24; Serial No. 169,384; published Mar. 27, 1923.

Ward Baking Company, New York, N. Y. Sugar product used as an ingredient in the manufacture of bread, cakes, etc. 170,816; July 24; Serial No. 170,960; published Mar. 13, 1923.
Ward Baking Company, New York, N. Y. Cakes. 170,894; July 24; Serial No. 171,437; published Mar. 13, 1923.
Ward Baking Company, New York, N. Y. Bread. 170,895; July 24; Serial No. 171,435; published Mar. 13, 1923.
Ward Baking Company, New York, N. Y. Sugar product. 170,900; July 24; Serial No. 170,961; published Mar. 13, 1923.
Ward Baking Company, New York, N. Y. Bread. 170,938; July 24; Serial No. 169,385; published Feb. 27, 1923.
Warners Whole Wheat Bread, Inc., New York, N. Y. Bread. 170,951; July 24; Serial No. 166,863; published Feb. 20, 1923.
Washburn-Crosby Company, Minneapolis, Minn. Wheat flour. 170,793; July 24; Serial No. 170,513; published Mar. 13, 1923.
Web Sterilizer Co. (See Barnard, William E.)
Weeks, D., & Company, Des Moines, Iowa. Laxative cold tablets. 170,990; July 24.
Wells, Edgar R., Prosser, Wash. Eggs and live poultry. 170,925; July 24; Serial No. 163,607; published Mar. 20, 1923.
Wellsmore & Co., Inc., New York, N. Y. Pianos, player pianos, electrically-operated pianos, and phonographs. 170,959; July 14, 1923.
Wertheimer Brothers, New York, N. Y. Ribbons. 170,777; July 24; Serial No. 176,052; published Apr. 24, 1922.
White Arrow Farms, Cheraw, S. C. Eggs. 170,933; July 24; Serial No. 161,398; published Mar. 27, 1923.
White Commission Company, Pine Bluff, Ark. Stock, dairy, poultry, etc., feed and wheat flour. 170,813; July 24; Serial No. 169,107; published Mar. 27, 1923.
Whyte Commission Company, Pine Bluff, Ark. Stock, dairy, and poultry feed. 170,939; July 24; Serial No. 169,110; published Mar. 20, 1923.
Wilkens, C., Company, New York, N. Y. Mayonnaise dressing. 170,913; July 24; Serial No. 138,247; published Dec. 12, 1922.
Willard Storage Battery Company, Cleveland, Ohio. Storage batteries and parts thereof. 170,915; July 24; Serial No. 166,757; published Apr. 24, 1923.
Williams, Frank C., Inc., doing busines as Frank C. Williams, Easton, Pa. Wheat flour. 170,949; July 24; Serial No. 167,277; published Apr. 3, 1923.
Winchester Repeating Arms Co., New Haven, Conn. Pocketknives. 170,780; July 24; Serial No. 175,693; published May 29, 1923.
Winslow Carmi, doing business as Mutual Products Company, Minneapolis, Minn. Stock food. 170,889; July 24; Serial No. 160,376; published Mar. 20, 1923.
Witman, Frank R., doing business as Frank R. Witman Phonograph Supply Company, Putnam, Conn. Phonograph accessories. 170,817; July 24; Serial No. 170,964; published Apr. 24, 1923.
Wolf, Sayer & Heller, Inc., Chicago, Ill. Seasonings for meat products. 170,993; July 24.
Womble Chemical Company, Womble, Ark. Hair tonic. 170,782; July 24; Serial No. 174,714; published Apr. 24, 1923.
Woolsey, Ella G., Kansas City, Kans. Ice cream. 170,982; July 24.
Yantis, S. R., Milling Co., Fulton, Mo. Self-rising wheat flour. 170,811; July 24; Serial No. 169,042; Mar. 20, 1923.
Ye Olde Tyme Hard and Soft Pretzel Shop. (See Meyers, Thomas A.)

ALPHABETICAL LIST OF REGISTRANTS OF LABELS.

Holland Knitting Co., Brooklyn, N. Y. Société. For Knitted Cravats. 26,249; July 24.
Jordan Marsh Company, Boston, Mass. Copley, The Store For Men A Separate Store In A Separate Building. For Men's Overcoats. 26,250; July 24.
Jordan Marsh Company, Boston, Mass. Copley, The Store For Men A Separate Store In A Separate Building. For Men's Coats. 26,251; July 24.
King, H. H., Flour Mills Company, Minneapolis, Minn. King's Castle. For Wheat Flour. 26,252; July 24.
Krank, Alfred J., St. Paul, Minn. Krank's Lemon Facial Tack. For a Skin Treatment and Beautifier. 26,253; July 24.
Levkowicz, Marcus W., doing business as Perspero Company, San Francisco, Calif. Perspero. For a Composition of Matter Used for the Toilet. 26,254; July 24.
McRoberts, R. W., Atlanta, Ga. Calcum Makes Puppies Grow Strong and Healthy. For a Medicinal Preparation for Dogs. 26,255; July 24.
Murdock, Ebenezer, doing business as E. Murdock & Co., New York, N. Y. Pepper Sauce. For West Indian Pepper Sauce. 26,256; July 24.
Murray, John F., doing business as Whitehall Pharmacal Co., New York, N. Y. Rowles Red Pepper Rub. For Cartons or Boxes Inclosing or Containing the Compound Described Therein. 26,257; July 24.
Perspero Company. (See Levkowicz, Marcus W.)
Real Silk Hosiery Mills, Indianapolis, Ind. Real Silk Guaranteed Hosiery. For Hosiery. 26,258-9; July 24.
Robb, Charles W., Salt Lake City, Utah. Use C. W. Robb's Very Best Paints. For Packages and Barrels of Paint. 26,260; July 24.
Sandhill Fruit Growers' Association, Aberdeen, N. C. Sandhill. For Peaches. 26,261; July 24.
Sauiwax Paper Co., Kalamazoo, Mich. Robin Hood. For Bread. 26,262; July 24.
Whitehall Pharmacal Co. (See Murray, John F.)
Wertendyke Mfg. Co., Richmond, Va. Kewpie. For Toilet Paper. 26,263; July 24.

ALPHABETICAL LIST OF REGISTRANTS OF PRINTS.

American Lead Pencil Co., New York, N. Y. Venus Thin Leads. For Pencils. 6,829; July 24.
Aracoma Textile Company, Incorporated, New York, N. Y. Aracoma. For Draperies and Other Silk Fabrics. 6,830; July 24.
Automotive Battery Service Co. (See Watson, Harry E.)
Cream of Wheat Co., Minneapolis, Minn. Peace And Plenty. For Wheat Breakfast Food. 6,831; July 24.
Georgia, William B., Waco, Tex. Aristokrat Kut. For Fancy Cut Spectacle and Eyeglass Lenses. 6,832; July 24.
Postum Cereal Company, Inc., New York, N. Y. Grape Nuts Window Trim. For Grape Nuts. 6,833; July 24.
Watson, Harry E., doing business as Automotive Battery Service Co., Richmond, Ind. Battery Service By The Year. For Electric Storage Batteries. 6,834; July 24.
Wilder & Company, Chicago, Ill. Wilder's Lion. For Half Soles and Strips. 6,835; July 24.

ALPHABETICAL LIST OF TRADE-MARK APPLICANTS.

PUBLISHED FOR OPPOSITION.

[Act of Feb. 20, 1905, Sec. 6, as amended Mar. 2, 1907.]

Abbott, Frederick J., doing business as Crystal Petroleum Products Corporation, Los Angeles, Calif. Motor fuels. 180,404; July 24.
Abbott Laboratories, Chicago, Ill. Preparation for the prevention and treatment of sunburn. 179,914; July 24.
Acheson Manufacturing Company, Rankin, Pa. Pipe and vent fittings, traps, etc. 163,211; July 24.
Adamson, Charles E., Wabash, Ind. Stoves, baking and annealing ovens, heaters, etc. 179,125; July 24.
American Range & Foundry Company, also doing business as Minnesota Stove Company, Minneapolis, Minn. Electric stoves and ranges. 173,551; July 24.
Arena, A., & Co., Los Angeles, Calif. Fresh cantaloupes. 174,763; July 24.
Asia Company, The, Los Angeles, Calif. Bottled and barreled sauce, soy, packed miso, etc. 174,163; July 24.
Atlanta Barbers Supply Company, Atlanta, Ga. Combination cold cream and face powder, deodorant, etc. 176,592; July 24.

PUBLISHED FOR OPPOSITION.

[Act of Feb. 20, 1905, Sec. 6, as amended Mar. 2, 1907.]

Atlas Shear Co., The, Bridgeport, Conn. Shears and scissors. 174,281; July 24.
Axxo Chemical Co., New York, N. Y. Detergent in the nature of a water softener and soap. 180,957; July 24.
B & L Metal Stamping Co., Inc., New York, N. Y. Metal parts and fixtures for electric-lighting fixtures. 164,489; July 24.
Baird-North Company, Providence, R. I. Watches. 181,715; July 24.
Baldacci, Valentino, doing business as Laboratorio Chimico Farmaceutico V. Baldacci, Pisa, Italy. Hæmostatic preparations. 170,888; July 24.
Banos, V., & Co. Inc., Brooklyn, N. Y. Food product. 177,948; July 24.
Barash Bros., Inc., New York, N. Y. Rickrack braid. 170,269; July 24.
Begley Mechanical Corporation, New York, N. Y. Automobile stop and direction indicators. 144,309; July 24.
Bessell, Louis, New York, N. Y. Earrings, finger rings, pendants, scarf pins, etc. 177,266; July 24.
Big State Co. (See Hollis, Paul S.)
Block Gas Mantle Company, The, Youngstown, Ohio. Gas and gasoline mantles. 180,651; July 24.
Block, Leopold, doing business as Buffalo Jewelry Manufacturing Company, Buffalo, N. Y. Finger rings and neck chains. 171,893; July 24.
Bonded Products Corporation, New York, N. Y. Soap and scouring compounds. 180,206; July 24.
Botany Worsted Mills, Passaic, N. J. Worsted yarn fabric known as "reps." 179,989; July 24.
Botany Worsted Mills, Passaic, N. J. Wool pile fabric. 180,358; July 24.
Botany Worsted Mills, Passaic, N. J. Brocaded wool pile fabric. 180,359; July 24.
Boyriven, A., New York, N. Y. Automobile upholstery fabrics. 165,120; July 24.
Brach, L. S., Manufacturing Co., Newark, N. J. Radio head sets, radiodetectors, radiocrystals, etc. 178,892; July 24.
Brine, James W., Company, Boston, Mass. Flags, banners, pennants, etc. 172,281; July 24.
Brine, James W., Company, Boston, Mass. Surveying linemen's measuring outfits. 172,580; July 24.
Brine, James W., Company, Boston, Mass. Score books. 172,730; July 24.
Brooks, George W., Topeka, Kans. Blackboards. 149,884; July 24.
Brunswick-Balke-Collender Company, The, Wilmington, Del., and Chicago, Ill. Rubber and fabric tires. 177,952; July 24.
Buffalo Jewelry Manufacturing Company. (See Block, Leopold.)
Burroughs, Herbert D., Atlanta, Ga. Gasoline. 170,751; July 24.
C. V. & R. Batigne, New York, N. Y. Positive projection slides, and motion-picture films. 176,664; July 24.
Cadet Knitting Company, Philadelphia, Pa. Sweater coats. 180,417; July 24.
Camel Chemical Co. Inc., Portland, Oreg. Battery solution. 178,821-2; July 24.
Camilla Preparations, Inc., New York, N. Y. Reducing cream. 178,893; July 24.
Campania Importing Company, Inc., New York, N. Y. Olive oil. 155,665; July 24.
Carleton Dry Goods Company, St. Louis, Mo. Shirts, nightgowns, and pyjamas. 180,585; July 24.
Carson Pirie Scott & Company, Chicago, Ill. Petticoats and bloomers. 180,587. July 24.
Central Radio Laboratories, Milwaukee, Wis. Radio signaling apparatus and parts thereof. 178,164; July 24.
Chore-Utensils Corporation of America, The, Orange, N. J. Dish, bottle, and pot mops. 181,380; July 24.
Cincinnati Wholesale Grocery Company, The, Cincinnati, Ohio. Canned peas and tomatoes. 177,360; July 24.
Cleveland Radio Manufacturing Company, The, Cleveland, Ohio. Radio sets and coupling coils, condensers, detectors, etc. 162,667; July 24.
Cohen Company, Inc., The, Richmond, Va. Women's silk hosiery. 180,271; July 24.
Colsman, Carl, doing business as Colsman & Co., Werdohl, Germany. Household and kitchen utensils made of aluminum. 165,528; July 24.
Columbus McKinnon Chain Company, The, Columbus, Ohio. Tire chains. 179,031; July 24.
Commonwealth Color & Chemical Co., Brooklyn, N. Y. Printing inks. 179,357; July 24.
Commonwealth Color and Chemical Co., Brooklyn, N. Y. Soaps, cleaning and scouring powder. 179,358; July 24.
Consolidated Textile Corporation, New York, N. Y. Unbleached sheeting. 172,031; July 24.
Continental Watch and Jewelry Co. (See Goldin, Meyer.)
Cooke, Harry S., doing business as Presto Fire Extinguisher Company, Beacon, N. Y. Dry-powder tube fire extinguisher. 179,295; July 24.
Cotton Belt Manufacturing Company, Rocky Mount, N. C. Mattresses. 172,829; July 24.
Crystal Petroleum Products Corporation. (See Abbott, Frederick J.)
David, John, New York, N. Y. Men's suits, jackets, coats, trousers, vests, and knickerbockers. 180,591; July 24.
Davies, Rose & Co., Ltd., Boston, Mass. Extracts and flavorings for food purposes. 168,517; July 24.
Deagan, J. C., Inc. Xylophones. 180,529; July 24.
Detroit Lubricator Company, Detroit, Mich. Metal valves for pipe lines and the like. 179,929; July 24.
Diamond Mills Paper Company, New York, N. Y. Toilet paper. 181,387; July 24.
Didriehsen, Johan, Christiania, Norway. Cod-liver oil. 175,715; July 24.
Dudley Lumber Company Inc., Memphis, Tenn. Logs and rough lumber. 178,598; July 24.
Dunlevy Packing Company, assignor to Dunlevy-Franklin Company, Pittsburgh, Pa. Butter, margarines, eggs, lard, etc. 155,668; July 24.
Eisendrath, Joseph N., Company, The, Chicago, Ill. Leather gloves, gauntlets, and mittens. 173,469; July 24.
Eisendrath, Joseph N., Company, The, Chicago, Ill. Leather gloves, gauntlets, and mittens. 173,474; July 24.
Eisendrath, Joseph N., Company, The, Chicago, Ill. Leather gloves, gauntlets, and mittens. 173,477; July 24.
Emeterio, Flores, New York, N. Y. Spanish paprika and spices. 174,567; July 24.
Etched Products Corporation, Long Island City, N. Y. Metallic hot-dish plaques. 176,075; July 24.
Farber Silver Corporation, New York, N. Y. Hollow ware. 180,059; July 24.
Finery Hosiery Corporation, New York, N. Y. Hosiery. 177,434; July 24.
Firelte Extinguisher Co., Masontown, Pa. Hand fire extinguishers. 181,686; July 24.
Fitzpatrick, Thomas J., Gloversville, N. Y. Bread. 153,036; July 24.
Fleming, Harold C., also doing business as Comprynn Laboratories, Cedar Rapids, Iowa. Medicinal compound containing acetylsalicylic acid. 178,834; July 24.
Fletcher, Robert, & Son, Limited, Stonecliough, near Manchester, England. Uncut cigarette paper. 180,000-1; July 24.
Flexlume Corporation, Buffalo, N. Y. Electrically-illuminated signs. 169,630; July 24.
Frostilla Company, The. (See Shoemaker, Flora H.)
Garneau, Jos., Co., Inc., The, New York, N. Y. Canned fish. 175,080; July 24.
General Lead Batteries Company, Newark, N. J. Lead storage batteries and parts. 161,992; July 24.
Germany, Mary, doing business as Mrs. Mary Germany, Dallas, Tex. Salad dressing. 176,119; July 24.
Gerson & Breyer, San Francisco, Calif. Men's, women's, and children's hosiery. 177,374; July 24.
Goertz, August, & Co., Newark, N. J. Knife or cutting-blade handles. 176,461; July 24.
Goldin, Meyer, doing business as Continental Watch and Jewelry Co., Chicago, Ill. Watch movements and watchcases. 173,887; July 24.
Goodman, A., & Sons, Inc., New York, N. Y. Alimentary paste products. 169,543; July 24.
Gorton-Pew Fisheries Company, Gloucester, Mass. Potatoes and salt fish combined for fish cakes. 177,909; July 24.
Gorton-Pew Fisheries Company, Gloucester, Mass. Salt codfish. 177,910; July 24.
Goshen Churn & Ladder Company, The, Goshen, Ind. Ladders. 171,315; July 24.
Gottlieb, Joseph, New York, N. Y. Watches, watch movements, and parts thereof. 179,665; July 24.
Graphoto Company, Boston, Mass. Coated glass plates for etching, drawing, and hand negatives. 163,387; July 24.
Great Atlantic and Pacific Tea Company, The, Jersey City, N. J. Cottonseed oil for frying, cooking, etc. 176,106; July 24.
Hart & Hegeman Manufacturing Company, The, Hartford, Conn. Electrical switches. 161,728; July 24.
Hayhurst, William P., Santa Rosa, Calif. Lotion for the skin. 175,311; July 24.
Heller, B., & Company, Chicago, Ill. Garlic flavoring compound. 172,990; July 24.
Hoffman, Elic A., doing business as E. A. Hoffman Candy Co., Los Angeles, Calif. Candy. 174,393; July 24.
Hohner, M., New York, N. Y. Mouth harmonicas. 180,180; July 24.
Holland Specialty Company, Peoria, Ill. Preparation for cleaning artificial dentures. 174,647; July 24.
Hollis, Paul S., doing business as Big State Co., Fort Worth, Tex. Nonalcoholic maltless beverage powder used for making soft drinks. 172,380; July 24.
Houze, L. J., Convex Glass Company, Point Marion, Pa. Sheet glass. 181,397; July 24.
Howard Stove & Furnace Co., Ralston, Nebr. Heating furnaces. 180,603; July 24.
Hub Hosiery Mills, Boston, Mass. Infants' hose. 179,730; July 24.
Hydrox Corporation, Wilmington, Del. Ice cream. 177,783; July 24.

PUBLISHED FOR OPPOSITION.

[Act of Feb. 20, 1905, Sec. 6, as amended Mar. 2, 1907.]

Index Visible, Inc., New Haven, Conn. Card indexes, index cards, cases, cabinets, etc. 148,279; July 24.
Indian Star Chemical Co., Jericho, Ark. Face powder, hair straightener, liniment, etc. 175,356; July 24.
Italian Book Co. Inc., New York, N. Y. Phonograph records. 171,803; July 24.
Johnson, William H., Arlington, N. J. Garters. 174,841; July 24.
Johnson, William H., New York, N. Y., assignor to The Tin Decorating Company of Baltimore, Baltimore, Md. Paper, pencils, pens, etc. 163,987; July 24.
Justa Mfg. Co., Hugo, Okla. Washing compound. 181,125; July 24.
Katagi, Tamekichi, Seattle, Wash. Electrical stop and direction signal light systems for vehicles. 145,110; July 24.
Knufman, Fred, New York, N. Y. Watches and parts thereof. 179,796; July 24.
Keith, Geo. E., Company, Brockton, Mass. Boot and shoe tips and counters. 177,675; July 24.
Kellogg Company, Battle Creek, Mich. Coffeelike beverage. 177,914; July 24.
Kellogg Toasted Corn Flake Co., Battle Creek, Mich. Cereal breakfast foods. 172,884; July 24.
Kenny, C. D., Company, Baltimore, Md. Coffee. 178,257; July 24.
Kerite Insulated Wire & Cable Company, Inc., The, Seymour, Conn., and New York, N. Y. Insulated wire and cables. 178,106; July 24.
King, George W., Boston, Mass. Edible vegetable fats and oils. 164,111; July 24.
Kings County Packing Co., Armona, Calif. Canned fruits. 168,042; July 24.
Klosner, Morris, doing business as Klosner Improved Apparatus Company, New York, N. Y. Electric switches, telephone-control switches, amplifier-control switches, etc. 174,579; July 24.
Koblenzer, Sidney J., doing business as M. Koblenzer & Son, New York, N. Y. Shirts, pyjamas, underwear, hats, hose, etc. 179,153; July 24.
Kohnstamm, H., & Co., Inc., New York, N. Y. Washing powder. 180,375; July 24.
Kottler, Aaron P., doing business as Dr. Kottler Laboratories, Chicago, Ill. Chemical preparation to remove skin blemishes. 178,928; July 24.
Laboratorio Chimico Farmaceutico V. Baldacci. (See Baldacci, Valentino.)
Land, Julius, doing business as Vanitie Hat Co., New York, N. Y. Ladies', misses', and children's hats. 152,428; July 24.
Lazell Perfumer, Newburgh, N. Y. Rouge and powder compact package. 170,300; July 24.
Le Roye, Ltd., Chicago, Ill. Liquid preparation for keeping curl in hair. 179,541; July 24.
Lever Brothers Company, Cambridge, Mass. Soap. 180,610; July 24.
Levring & Company Inc., St. Louis, Mo. Rennet extract, rennet tablets, and lactic-acid ferment. 178,450; July 24.
Libbey Glass Manufacturing Co., The, Toledo, Ohio. Glassware. 171,807; July 24.
Lightfoot Schultz Company, Hoboken, N. J. Soaps. 179,108; July 24.
Lincoln Record Corporation, New York, N. Y. Phonograph records. 180,133; July 24.
Lustroil Co. (See Nicomede, Joe.)
McEvoy, Joseph H., Houston, Tex. Well screens and well strainers. 175,564-5; July 24.
Manning, Maxwell & Moore, Inc., New York, N. Y. Copper-nickel-alloy castings. 177,565; July 24.
Marquette Manufacturing Company, St. Paul, Minn. Luggage carriers, shock absorbers, combined fender braces and bumpers. 176,561; July 24.
Marshall-Wells Company, Duluth, Minn. Coal and gas ranges, coal, gas, wood, and oil heaters, gasoline cookstoves, and hot-air furnaces. 178,855; July 24.
Marshall-Wells Company, Duluth, Minn. Paint and shaving brushes. 181,135; July 24.
Marvin, E. W., Company, Troy, N. Y. Nurses' collars, cuffs, aprons, caps, bibs, uniforms, etc. 174,845; July 24.
Maxwell, R. G., & Co., London, England, and Hawick, Scotland. Piece goods of wool, worsted, or hair. 181,605; July 24.
Meinhardt, Jacob A., doing business as J. A. Meinhardt Company, Chicago, Ill. Mops, mopsticks, and bathtub cleaners. 180,876; July 24.
Meyer, Bacharach & Friedheim, New York, N. Y. Neckties. 174,183; July 24.
Military Order of The Cootie, New York and Brooklyn, N. Y. Hats, caps, tassels, and aprons. 166,315; July 24.
Minnesota Stove Company. (See American Range & Foundry Company.)
Monarch Corporation, The, Pittsburgh, Pa. Dehydrators and parts of dehydrators. 178,268; July 24.
Montgomery, Wm., & Co., Philadelphia, Pa. Sarsaparilla, ginger ale, cream soda, etc. 179,811; July 24.
Moomaw, Paul M., Okemah, Okla. Liver pills. 177,097; July 24.
Murning, A. P., & Co., Matawan, N. J. Lime polishing compositions. 179,214; July 24.
Munzer, Ida, Inc., New York, N. Y. Women's and children's textile underwear. 174,586; July 24.
Muscente, Fausto A., doing business as Snow Cake Mfg. Co., Providence, R. I. Edible ice-cream containers. 172,758; July 24.
Myers, Roy, Los Angeles, Calif. Laxatives. 175,675; July 24.
My Own Company, Indianapolis, Ind. Catchup, chili sauce, canned goods, etc. 168,935; July 24.
National Screw and Manufacturing Company, The, Cleveland, Ohio. Electric-lamp fixtures, electric motors and fans. 179,418; July 24.
Nature's Rival Company, Chicago, Ill. Brassières. 165,406; July 24.
New Hampshire Co-Operative Marketing Association, Inc., Manchester, N. H. Fresh eggs. 153,101; July 24.
New Method Die & Cut-Out Co., Inc., Boston, Mass. Cardboard easels for supporting advertising cards. 181,304; July 24.
New Standard Corporation, Mount Joy, Pa. Food receptacles, insulated. 179,162; July 24.
Nicomede, Joe, doing business as Lustroil Co., Altoona, Pa. Polish for restoring the polish of musical instruments. 169,317; July 24.
Northern Equipment Company, Erie Pa. Feed-water regulators and pump governors. 178,625; July 24.
Northern Paper Mills. Green Bay, Wis. Toilet paper. 180,717; July 24.
O. & T. Electric Corporation, New York, N. Y. Radio detector and amplifier tubes. 180,293; July 24.
Oil Country Specialties Manufacturing Co., The, Coffeyville, Kans. Oil-well swabs, stuffing boxes, jereckl jets, wire-line sockets, and tongs. 174,850; July 24.
Owen, C. M., Los Angeles, Calif. Tablets, lotions, silver nitrate sticks, capsicum plasters, powders, etc. 178,277; July 24.
Palmer, Walter C., doing business as W. R. Palmer & Co., Cincinnati, Ohio. Mops. 164,069; July 24.
Peerless Confection Company, Chicago, Ill. Candies. 169,605; July 24.
Perceval, C., New York, N. Y. Candy. 177,048; July 24.
Phenix Cheese Co., New York, N. Y. Cheese. 172,392; July 24.
Pneulec Machine Company Limited, The, Birmingham England. Molding machines, core-making machines, sand mixing and conveying machines, etc. 178,356; July 24.
Presto Fire Extinguisher Company. (See Cooke, Harry S.)
Prouty-Bowler Soap Co., Des Moines, Iowa. Soap and soap flakes. 178,771; July 24.
Quaker Oats Company, The, Chicago, Ill. Stock feeds. 173,982; July 24.
Ray-Mailing Co. Inc., Portland, Oreg. Canned fruits, berries, and vegetables. 175,811; July 24.
Rayward Engineering and Manufacturing Co., Philadelphia, Pa. Mechanical motive pedal control devices. 179,012; July 24.
Rey-Del-Rey Candy Co. Philadelphia, Pa. Candy. 172,044; July 24.
Reynolds, R. J., Tobacco Company. Winston-Salem, N. C. Cigarette paper. 181,349; July 24.
Richardson & Boynton Co., New York, N. Y. Warm-air furnaces. 179,222; July 24.
Richmond Pistou Ring Co. Richmond, Ind. Piston rings 134,088; July 24.
Roberts, Lewis, Inc., Newark, N. J. Printing inks. 178,629; July 24.
Rosen & Listengart, Brooklyn, N. Y. Phonographs and parts thereof. 179,558; July 24.
Rostine, Carl R., Ontario, Calif. Medical preparation for coughs, colds, croup, etc. 175,569; July 24.
Rubsam, J., Co., Inc., New York, N. Y. Pills and tablets for regulating menstrual functions. 169,138; July 24.
Ryde & Company, Chicago, Ill. Chicken feed. 174,489; July 24.
Ryde & Company, Chicago, Ill. Stock feed. 174,490; July 24.
Sanderson, Arthur N., West Springfield, Mass. Gold and silver polish. 180,083; July 24.
Sandvikens Jernverks Aktiebolag, Sandviken, Sweden. Springs and coil springs, hot-rolled and cold-drawn seamless steel tubing. 178,572; July 24.
Sanford Riley Stoker Company, Worcester, Mass. Underfeed stokers. 181,314; July 24.
San-O-Dent Company, The, Spokane, Wash. Cleanser for false teeth. 174,865; July 24.
Savoy Watch Company, Inc., New York, N. Y. Watch and clock movements and watchcases. 179,382; July 24.
Schaefer, Max O., doing business as Velveeta Cheese Company, Monroe, N. Y. Cheese. 174,866; July 24.
Schoedinger, F. O., Columbus, Ohio. Steel rules, zigzag rules, dividers, measuring tapes, etc. 172,180; July 24.
Schoedinger, F. O., Columbus, Ohio. Soldering coppers, punches, chisels, rivet sets, etc. 172,182; July 24.
Schoedinger, F. O., Columbus, Ohio. Eaves-trough nails, rivets, brackets, bolts, and chains. 172,184; July 24.

PUBLISHED FOR OPPOSITION.

[Act of Feb. 20, 1905, Sec. 6, as amended Mar. 2, 1907.]

Scott and Turner, Limited, Newcastle-on-Tyne, England. Medicated preparation for human use for liver ailments. 178,874; July 24.
Shoemaker, Flora H., doing business as The Frostilla Company, Elmira, N. Y. Lotion for the skin. 173,445; July 24.
Sigler Bros. Co., The, Cleveland, Ohio. Jewelry. 167,853; July 24.
Siren Milk Corporation, Chicago, Ill. Powder used in making chocolate sauces or sirups for food purposes. 176,102; July 24.
Snow Cake Mfg. Co. (See Muscente, Fausto A.)
Snow, Livingston, doing business as Livingston Snow Company, Quitman, Ga. Peanut butter. 177,877; July 24.
Sprague Roller Mills, Sprague, Wash. Self-rising flour. 170,734; July 24.
Stack Heater Company, Boston, Mass. Direct and indirect water heaters, instantaneous water heaters, etc. 155,277; July 24.
Star Electric Motor Co., Newark, N. J. Electric motors, generators, and fans. 152,036-7; July 24.
Summerfield Company, Boston, Mass. Stoves. 178,883; July 24.
Sunman & Hewson, Luton, England. Hats for women and children. 177,146; July 24.
Supreme Orient O. O. H. & P., Schenectady, N. Y. Lapel buttons. 145,596; July 24.
Susanna Cocroft Laboratories Inc., New York, N. Y. Soap. 180,751; July 24.
Sutermeister, Lowell A., Dayton, Ohio. Ice-cream portion. 172,912; July 24.
Taiyo Trading Co., Inc., New York, N. Y. Canned crab meat. 176,580; July 24.
Tasty Baking Company, Philadelphia, Pa. Cake. 157,084; July 24.
Tetralin-Gesellschaft mit beschränkter Haftung, Berlin, Germany. Soaps, liquids, powders, and pastes, for cleaning, and a metal-polishing preparation. 142,046; July 24.
The-B-X-Saw Co., Boston, Mass. Hack saws. 179,843; July 24.
Tin Decorating Company of Baltimore, The. (See Johnson, William H.)
Tramsak, John, Cleveland, Ohio. Preparation for the treatment of tuberculosis. 177,026; July 24.
Turner & Seymour Manufacturing Company, The, Torrington, Conn. Metal curtain rods. 180,456; July 24.
Ullman, Sigmund Company, New York, N. Y. Inks, blacks, etc. 156,473; July 24.
Union Sugar Company, San Francisco, Calif. Beet, cane, and maple sugar. 178,310; July 24.
United Autographic Register Co., Chicago, Ill. Loose-leaf binders and leaves thereof. 169,993; July 24.
United States Bronze Powder Works, Inc., New York, N. Y. Bronze powders and bronzing liquids. 176,230-1; July 24.
Universe Corporation, Chicago, Ill. Refrigerators. 181,156; July 24.
Vanilie Hat Co. (See Laud, Julius.)
Velvetta Cheese Company. (See Schaefer, Max O.)
Vos, Arthur, New York, N. Y. Paper weights and desk ornaments. 177,530; July 24.
Warner Brothers Company, The, Bridgeport, Conn. Underwaists. 174,045; July 24.
Warren Products Company Inc., The, New York, N. Y. Textile-material silk, linen, wool, cotton, or a mixture of same. 178,685; July 24.
Wasserman, A. F., Memphis, Tenn. Soap. 179,574; July 24.
Weideman Company, The, Cleveland, Ohio. Coffee. 173,309; July 24.
Wells-Abbott-Nieman Co., Inc., Schuyler, Nebr. Hard-wheat flour. 173,946; July 24.
West Electric Hair Curler Company, Philadelphia, Pa. Hair nets. 179,838; July 24.
White Products Company, Chicago, Ill. Automobile windshield wipers. 144,757; July 24.
White, S. S., Dental Manufacturing Company, The, Philadelphia, Pa. Dental spotlights and lamps for the same. 180,158; July 24.
William, J. H., & Co., Brooklyn, N. Y. Wrenches, vises, etc. 149,873; July 24.
Wilson Tea Co., Inc., Seattle, Wash. Coffee. 177,885; July 24.
Wilton Manufacturing Co, Inc., The, New York, N. Y. Cotton piece goods. 177,536; July 24.
Wish, Fred A., Incorporated, New York, N. Y. Bath soap. 180,639; July 24.
Wish, Fred A., Incorporated, New York, N. Y. Hosiery, sleeping garments, bibs, and aprons. 180,642; July 24.
Wittnauer, A., Co., New York, N. Y. Watches. 181,327; July 24.
Wolverine Lubricants Co, of New York, New York, N. Y. Lubricating oils. 179,504; July 24.
Zieser & Kling, St. Louis, Mo. Ladies' and misses' coats and suits. 180,643; July 24.

CLASSIFIED LIST OF TRADE-MARKS REGISTERED.

CLASS 1.

Goatskins, colt and horse hides, kips, and cow sides. C. A. Reynolds. 170,743; July 24; Serial No. 174,592; published Apr. 24, 1923.
Seeds and bulbs, Vegetable, flower, and lawn-grass. W. Atlee Burpee Co. 170,785; July 24; Serial No. 175,067; published Apr. 24, 1923.
Seeds, Flower. W. Atlee Burpee Co. 170,785; July 24; Serial No. 175,066; published Apr. 24, 1923.

CLASS 2.

Barrels, pasteboard and wooden boxes, etc. B. Heller & Company. 170,992; July 24.
Bottle containers or cases. Defiance Pressed Steel Company. 170,775; July 24; Serial No. 175,714; published Apr. 24, 1923.
Boxes, Fiber. Iowa Fiber Box Company. 170,761; July 24; Serial No. 170,475; published Apr. 10, 1923.
Garment bags, Paper. Rike Folding Box Company. 170,892; July 24; Serial No. 159,882; published Apr. 24, 1923.
Paper cans. National Paper Can Company. 170,767; July 24; Serial No. 177,317; published Apr. 24, 1923.

CLASS 3.

Hand bags and pocketbooks, Ladies'. J. Cyganiewicz. 170,787; July 24; Serial No. 175,071; published Apr. 24, 1923.
Trunks, Wardrobe. New Process Company. 170,773; July 24; Serial No. 175,620; published Apr. 24, 1923.
Vanity cases and ladies' hand bags. Ritter Brothers. 170,769; July 24; Serial No. 177,517; published Apr. 24, 1923.

CLASS 4.

Soap, Toilet. Iowa Soap Company. 170,994-5; July 24.

CLASS 6.

Automobile radiators and cooling systems, Preparation to clean, etc. A. P. Heinze. 170,713; July 24; Serial No. 138,168; published Apr. 24, 1923.
Bluing paddles. F. G. Mitchell. 170,756; July 24; Serial No. 173,324; published Apr. 24, 1923.
Chemical used as a flux. Consolvo Manufacturing Company. 170,725; July 24; Serial No. 172,664; published Apr. 24, 1923.
Clay and paste for the complexion. S. Markman. 170,927; July 24; Serial No. 162,941; published Apr. 24, 1923.
Compound for treating rheumatism and diseases of the blood. A. G. De Brule. 170,741; July 24; Serial No. 174,295; published Apr. 24, 1923.
Cream, Vanishing and massage. A. J. Krank Mfg. Co. 170,745; July 24; Serial No. 173,500; published Apr. 24, 1923.
Deodorant. J. T. Gallagher. 170,740; July 24; Serial No. 174,239; published Apr. 24, 1923.
Detergent. National Marking Machine Company. 170,977; July 24.
Emulsion petroleum. Orchard Drug Co. 170,920-1; July 24; Serial No. 165,807-8; published Apr. 24, 1923.
Glass, Chemical compound for etching. McKay Company. 170,751; July 24; Serial No. 174,091; published Apr. 24, 1923.
Hair tonic. D. Velones. 170,968; July 24.
Hair tonic. Womble Chemical Company. 170,782; July 24; Serial No. 174,714; published Apr. 24, 1923.
Hair tonic and fixative. A. J. Krank. 170,720; July 24; Serial No. 173,193; published Apr. 24, 1923.
Insecticide for use in exterminating rodents, etc. J. J. Seldage. 170,753; July 24; Serial No. 173,366; published Apr. 24, 1923.
Insecticide for use in exterminating rodents and insects. G. W. Roller. 170,752; July 24; Serial No. 173,364; published Apr. 24, 1923.
Insecticides. Hofstra Manufacturing Company. 170,980; July 24.
Insecticides, disinfectants, and deodorizers. Klizol Products Company. 170,818; July 24; Serial No. 171,274; published Apr. 24, 1923.
Lye, Flake. Niagara Alkali Company. 170,829; July 24; Serial No. 169,918; published Apr. 24, 1923.
Medical compounds. F. L. McCollam. 170,735; July 24; Serial No. 172,426; published Apr. 24, 1923.

Medicinal preparation. Balsamea Co. 170,724; July 24; Serial No. 172,661; published Apr. 24, 1923.
Medicine and ingredients of medicine for tuberculosis, etc. E. J. Evans. 170,732; July 24; Serial No. 172,324; published Apr. 24, 1923.
Medicine for indigestion, vertigo, etc. T. R. Deavy. 170,919; July 24; Serial No. 165,855; published Apr. 24, 1923.
Medicines for the treatment of affections of the heart. Laboratoire Nativelle. 170,954; July 24.
Mouth wash and a remedy for pyorrhea. Hom-Pyrrho Co. 170,744; July 24; Serial No. 174,626; published Apr. 24, 1923.
Nail polish. Henry L. Hughes Co. Inc. 170,755; July 24; Serial No. 173,497; published Apr. 24, 1923.
Ointment. Lyndon Chemical Company. 170,749-50; July 24; Serial Nos. 174,088-9; published Apr. 24, 1923.
Perfumes. Agra Company. 170,783; July 24; Serial No. 174,762; published Apr. 24, 1923.
Perfumes, toilet waters, face powders, etc. Societe Anonyme Parfumerie Violet. 170,985; July 24.
Powder, Face. L. B. Ridley. 170,948; July 24; Serial No. 167,327; published Apr. 24, 1923.
Powder, Toilet. Olivette Laboratories, Inc. 170,781; July 24; Serial No. 174,700; published Apr. 24, 1923.
Rouges and lip sticks. Gordon Gordon. 170,991; July 24.
Salts, Alkaline. Abel-Jensen Laboratories. 170,815; July 24; Serial No. 171,884; published Apr. 24, 1923.
Salts, Diluted Epsom. K. L. M. Company. 170,984; July 24.
Tablets and antiseptic preparations for the treatment of scalds, burns, etc. W. W. Herrick. 170,739; July 24; Serial No. 174,206; published Apr. 24, 1923.
Tablets, Gas. J. Baalmann. 170,830; July 24; Serial No. 169,996; published Apr. 24, 1923.
Tablets, Laxative cold. D. Weeks & Company. 170,990; July 24.
Toilet water. W. J. Bush & Co. 170,718-9; July 24; Serial Nos. 173,170-1; published Apr. 24, 1923.
Tonic. E. G. Twombly, administratrix of the estate of Dr. James Twombly. 170,819; July 24; Serial No. 171,341; published Apr. 24, 1923.
Vermin exterminator and insecticide, Body-. B. Heller & Company. 170,986; July 24.

CLASS 8.

Pipes and pipe parts. General Bakelite Company. 170,772; July 24; Serial No. 175,601; published Apr. 24, 1923.

CLASS 15.

Candles. Gilstridis, Frosso & Co. 170,766; July 24; Serial No. 177,183; published Apr. 24, 1923.
Gasoline and naphtha. Standard Oil Company of New York. 170,736; July 24; Serial No. 169,934; published May 15, 1923.
Oils and greases, automobile fuel oils, cutting oils for treating metals, Lubricating. Oil and Chemical Corporation. 170,714; July 24; Serial No. 138,722; published Apr. 24, 1923.

CLASS 16.

Automobile bodies, Polishing compound for. J. H. Laidlaw. 170,711; July 24; Serial No. 149,592; published Apr. 24, 1923.
Carbon black. G. L. Cabot. 170,771; July 24; Serial No. 176,070; published Apr. 24, 1923.
Carbon black. Godfrey L. Cabot, Inc. 170,757; July 24; Serial No. 176,071; published Apr. 24, 1923.
Carbon black. Godfrey L. Cabot, Inc. 170,778; July 24; Serial No. 176,067; published Apr. 24, 1923.
Carbon black. Godfrey L. Cabot, Inc. 170,779; July 24; Serial No. 176,069; published Apr. 24, 1923.
Lacquer compositions. W. H. Scheel. 170,790; July 24; Serial No. 175,326; published Apr. 24, 1923.
Paint coatings, bituminous paints, etc., Anticorrosive protective and waterproof. Hill-Hubbell and Company. 170,881; July 24; Serial No. 157,426; published Mar. 20, 1923.
Paint, varnish, and the like, Composition for the removal of. P. R. K. Chemical Co. 170,930; July 24; Serial No. 162,765; published Oct. 31, 1922.
Paints. American Marine Paint Company. 170,784; July 24; Serial No. 174,987; published Apr. 24, 1923.
Paints, Liquid and paste. Pittsburgh Plate Glass Company. 170,768; July 24; Serial No. 177,451; published Apr. 24, 1923.
Paints, varnishes, and oils. N. V. Vernis en Verffabriek v. h. J. Wagemakers & Zonen. 170,733; July 24; Serial No. 172,391; published Apr. 24, 1923.
Polish. J. Jenen. 170,738; July 24; Serial No. 174,142; published Apr. 24, 1923.
Polish, Furniture. W. T. Grant Company. 170,760; July 24; Serial No. 176,405; published Apr. 24, 1923.
Polishes for furniture, automobiles, etc. Olson Brothers Company. 170,721; July 24; Serial No. 173,203; published Apr. 24, 1923.
Varnish. Milwaukee Paint & Varnish Works. 170,944; July 24; Serial No. 168,328; published Apr. 24, 1923.
Varnishes. Berry Brothers. 170,770; July 24; Serial No. 177,647; published Apr. 24, 1923.

CLASS 21.

Air circuit breakers, switches, coils, etc. Condit Electrical Manufacturing Company. 170,955; July 24.
Batteries and parts thereof, Storage. Willard Storage Battery Company. 170,915; July 24; Serial No. 166,757; published Apr. 24, 1923.
Cars and tractors, Timers for Ford. E. D. Hodge Tool and Manufacturing Company. 170,962; July 24.
Wire, Insulated. Detroit Insulated Wire Company. 170,969; July 24.
Wireless receiving sets, Radio detector crystals used in. E. Reese. 170,958; July 24.

CLASS 23.

Automobiles, Combined pump and fan attachment for S & G Manufacturing Company. 170,825; July 24; Serial No. 170,508; published Apr. 24, 1923.
Pocketknives. Winchester Repeating Arms Co. 170,780; July 24; Serial No. 175,693; published May 29, 1923.

CLASS 26.

Picture-projection apparatus, motion-picture-projecting machines, etc., Advertising motion-. A. Price. 170,941; July 24; Serial No. 168,691; published Apr. 24, 1923.
Pictures, Motion. Associated Exhibitors Inc. 170,776; July 24; Serial No. 175,759; published Apr. 24, 1923.

CLASS 28.

Chains for personal adornment. Forstner Chain Corporation. 170,715; July 24; Serial No. 139,118; published Apr. 24, 1923.
Jewelry. L. Reubenstone. 170,937; July 24; Serial No. 169,423; published Apr. 24, 1923.
Pearls, Artificial. Cape Cod United Products Co. 170,961; July 24.

CLASS 29.

Brushes, mops, dusters. J. Meerse. 170,983; July 24.
Powder puffs. S. Glemby's Sons Co. 170,973; July 24.

CLASS 34.

Boiler and heater, Combined. American Radiator Company. 170,704; July 24; Serial No. 154,073; published Apr. 24, 1923.
Generators for producing gas, gas cartridges, and parts thereof, etc. Thermalene Gas Corporation. 170,821; July 24; Serial No. 171,823; published Apr. 24, 1923.
Registers for heating purposes. Rock Island Register Company. 170,923; July 24; Serial No. 165,157; published Apr. 24, 1923.

CLASS 36.

Phonograph accessories. F. R. Witman. 170,817; July 24; Serial No. 170,964; published Apr. 24, 1923.
Phonograph records. Sears, Roebuck and Company. 170,708; July 24; Serial No. 140,072; published Apr. 24, 1923.
Piano-player actions. King Player Action Company. 170,734; July 24; Serial No. 172,420; published Apr. 24, 1923.
Pianos and player pianos. Cable-Nelson Piano Company. 170,960; July 24.
Pianos, player pianos, etc. Wellsmore & Co. 170,959; July 24.

CLASS 37.

Paper for printing and writing, Sheet. Tribune Company. 170,879; July 24; Serial No. 157,592; published July 18, 1922.

CLASS 39.

Boots and shoes. V. K. & A. H. Jones & Thomas Co. 170,737; July 24; Serial No. 173,357; published Apr. 24, 1923.
Boots, shoes and slippers. Alfred Hale Rubber Company. 170,716; July 24; Serial No. 173,314; published Apr. 24, 1923.
Brassières. Benjamin & Johnes. 170,826; July 24; Serial No. 170,861; published Apr. 24, 1923.
Caps. Bamberger Reinthal Company. 170,722; July 24; Serial No. 173,459; published June 5, 1923.
Corsets, brassières, corset covers, waists, and underwear. Kops Bros. 170,946; July 24; Serial No. 167,987; published Apr. 24, 1923.
Corsets, girdles, bandeaux, and brassières. Owego Corset Company. 170,727; July 24; Serial No. 172,899; published Apr. 24, 1923.
Hats. Knox Hat Company. 170,820; July 24; Serial No. 171,806; published Apr. 24, 1923.
Hats and caps, Men's and boys'. Charles S. Merton & Co. 170,748; July 24; Serial No. 173,778; published Apr. 24, 1923.
Hats, Men's. Hutt & Wasserman, Inc. 170,726; July 24; Serial No. 172,837; published Apr. 24, 1923.
Hats, Men's winter. Parker-Bridget Company. 170,730; July 24; Serial No. 172,238; published Apr. 24, 1923.
Heels, Shoe. C. H. Coulson. 170,731; July 24; Serial No. 172,262; published Apr. 24, 1923.
Hose supporters, garters, belts, etc. Calhoun, Robbins & Co. 170,729; July 24; Serial No. 172,201; published Apr. 24, 1923.
Rubber boots and shoes, rubber overshoes, etc. Hood Rubber Company. 170,759; July 24; Serial No. 176,344; published Apr. 24, 1923.
Sandals of leather and textile material, Women's. H. E. Adams. 170,762-5; July 24; Serial Nos. 176,705-8; published Apr. 24, 1923.
Shirts, trousers, and jackets, Women's. M. Phillips. 170,880; July 24; Serial No. 157,581; published Apr. 24, 1923.

Shoes. Hurley Shoe Co. 170,940; July 24; Serial No. 168,844; published Apr. 24, 1923.
Shoes. London Shoe Co. 170,717; July 24; Serial No. 172,948; published Apr. 24, 1923.
Shoes. Vaughan-Towle Co. 170,758; July 24; Serial No. 176,300; published Apr. 24, 1923.
Shoes, Leather. John Meier Shoe Company. 170,875; July 24; Serial No. 158,722; published Apr. 24, 1923.
Shoes, Leather. Menihan Company. 170,874; July 24; Serial No. 158,787; published Apr. 24, 1923.
Shoes, Leather. Menihan Company, The. 170,885; July 24; Serial No. 158,788; published Apr. 24, 1923.
Shoes, Women's. Craddock Terry Company. 170,728; July 24; Serial No. 171,906; published Apr. 24, 1923.

CLASS 42.

Cotton piece goods. Cohn Hall Marx Co. 170,788; July 24; Serial No. 175,302; published Apr. 24, 1923.
Cotton piece goods. Hunter Manufacturing & Commission Co. 170,789; July 24; Serial No. 175,314; published Apr. 24, 1923.
Cotton pile cloth in the piece. John S. Boyd Company. 170,878; July 24; Serial No. 157,827; published May 1, 1923.
Curtains and nets or curtain lace in piece goods, Lace. John Bromley & Sons, Incorporated. 170,975; July 24.
Hair nets, nettings, veilings, and veils. Gottschalk, Steinberg & Co. 170,890; July 24; Serial No. 160,286; published Sept. 5, 1922.
Jute bagging. Ludlow Manufacturing Associates. 170,981; July 24.
Ribbons. Wertheimer Brothers. 170,777; July 24; Serial No. 176,052; published Apr. 24, 1923.
Rugs, Textile. Kent-Costikyan Trading Company Inc. 170,774; July 24; Serial No. 175,661; published Apr. 24, 1923.
Sheets and pillow cases. Ely & Walker Dry Goods Company. 170,702; July 24; Serial No. 150,141; published Nov. 8, 1921.
Shirtings and percales, Printed. Everett, Heaney & Co Inc. 170,952; July 24; Serial No. 166,823; published Apr. 24, 1923.
Shirtings and percales, Printed. Everett, Heaney & Co. Inc. 170,953; July 24; Serial No. 166,820; published Apr. 24, 1923.
Silk, cotton, etc., piece goods. Travis, Romaine & Jellé, Inc. 170,742; July 24; Serial No. 174,545; published Apr. 24, 1923.

CLASS 43.

Threads and yarns, Artificial-silk. Fabrique de Soie Artificielle de Tubize, Societe Anonyme. 170,908; July 24; Serial No. 154,403; published Feb. 20, 1923.
Yarns, Cotton. N. Erlanger, Blumgart & Co. 170,970; July 24.

CLASS 44.

Arch supports. Francis Rogers & Sons. 170,723; July 24; Serial No. 172,557; published Apr. 24, 1923.
Toothbrush sterilizers. W. E. Barnard. 170,887; July 24; Serial No. 160,747; published Apr. 24, 1923.

CLASS 46.

Apples, Fresh. Elk Mountain Orchard Co. 170,917; July 24; Serial No. 166,356; published Apr. 24, 1923.
Bacon. Beech-Nut Packing Company. 170,929; July 24; Serial No. 162,798; published Apr. 24, 1923.
Biscuits. J. S. Ivins' Son, Inc. 170,976; July 24.
Biscuits, Bran. Spongette Pure Food Company. 170,867; July 24; Serial No. 166,909; published Mar. 27, 1923.
Bread. Bixler Baking Company. 170,934; July 24; Serial No. 169,615; published Feb. 19, 1923.
Bread. L. B. Fellner. 170,804; July 24; Serial No. 169,579; published Apr. 3, 1923.
Bread. Harlfinger Baking Co. 170,957; July 24.
Bread. Old Homestead Bread Company. 170,838; July 24; Serial No. 159,978; published Apr. 3, 1923.
Bread. Schulze Baking Company. 170,974; July 24.
Bread. Tip Top Baking Co. 170,808; July 24; Serial No. 171,558; published Mar. 13, 1923.
Bread. Ward Baking Company. 170,794; July 24; Serial No. 169,794; published Feb. 27, 1923.
Bread. Ward Baking Company. 170,799; July 24; Serial No. 169,382; published Feb. 27, 1923.
Bread. Ward Baking Company. 170,801; July 24; Serial No. 169,384; published Mar. 27, 1923.
Bread. Ward Baking Company. 170,805; July 24; Serial No. 171,435; published Mar. 13, 1923.
Bread. Ward Baking Company. 170,938; July 24; Serial No. 169,385; published Feb. 27, 1923.
Bread. Warners Whole Wheat Bread Inc. 170,951; July 24; Serial No. 166,863; published Feb. 20, 1923.
Bread and doughnuts. A. J. Decker. 170,837; July 24; Serial No. 161,022; published Mar. 27, 1923.
Bread, cakes, and cereal breakfast foods. Ward Baking Company. 170,800; July 24; Serial No. 169,383; published Mar. 27, 1923.
Butter. Beatrice Creamery Company. 170,956; July 24
Butter. Iola Creamery Company. 170,809; July 24; Serial No. 171,759; published Mar. 13, 1923.
Butter. Mooresville Co-Operative Creamery Co. 170,897; July 24; Serial No. 171,280; published Mar. 13, 1923.
Butter, cheese, eggs, and sausage. Swift and Company. 170,926; July 24; Serial No. 163,186; published Mar. 20, 1923.
Butter, dried beans, bread, etc. H. P. Hood & Sons, Inc. 170,911; July 24; Serial No. 146,216; published Apr. 3, 1923.
Butter, eggs, cheese, lard, etc. Vermont Creamery Incorporated. 170,871; July 24; Serial No. 165,903; published Mar. 27, 1923.
Cake. Hirz Bros. 170,966; July 24.
Cake and pastry mixture. S. W. Noggle. 170,805; July 24; Serial No. 169,773; published Feb. 27, 1923.
Cake mix. Hirsch Brothers Co. 170,899; July 24; Serial No. 171,081; published Mar. 13, 1923.
Cakes. Cushman's Sons, Inc. 170,896; July 24; Serial No. 171,415; published Mar. 13, 1923.
Cakes. Ward Baking Company. 170,894; July 24; Serial No. 171,437; published Mar. 13, 1923.
Candies. D. Auerbach and Sons. 170,747; July 24; Serial No. 173,737; published Apr. 24, 1923.
Candy. U. R. S. Candy Stores, Inc. 170,840; July 24; Serial No. 161,072; published Dec. 26, 1922.
Candy, peanut butter, peanut-butter sandwich, shelled and salted peanuts, etc. Lance Packing Co. 170,701; July 24; Serial No. 156,644; published Mar. 20, 1923.
Canned and dried fruits and canned vegetables. Umpqua Valley Canning Company. 170,989; July 24.
Canned fruits. Geo. E. Hyde & Co. Inc. 170,943; July 24; Serial No. 168,413; published Apr. 24, 1923.
Canned fruits and vegetables. Filice & Perrelli Canning Co. 170,963; July 24.
Canned fruits and vegetables. Griffith-Durney Co. 170,831; July 24; Serial No. 170,016; published May 8, 1923.
Canned fruits and vegetables, olives, olive oil. California Growers Association, Inc. 170,910; July 24; Serial No. 148,579; published Nov. 29, 1921.
Canned salmon. Sea Coast Packing Co. 170,965; July 24.
Canned sauerkraut. Castle Company. 170,823; July 24; Serial No. 170,273; published May 8, 1923.
Cantaloupes. Dawson-Edwards Company. 170,893; July 24; Serial No. 160,876; published Apr. 24, 1923.
Caramels. Borden Company. 170,987; July 24.
Cereal, Breakfast. W. B. Fink. 170,796; July 24; Serial No. 169,968; published Feb. 27, 1923.
Cereal, Breakfast. H. F. Paetsch. 170,864; July 24; Serial No. 167,486; published Mar. 20, 1923.
Cereal, Breakfast. Parched Wheat Co. 170,967; July 24.
Cereals. Kevil Cereal Company. 170,803; July 24; Serial No. 169,550; published Feb. 27, 1923.
Cereals, Breakfast. F. C. Gillitt. 170,876; July 24; Serial No. 158,309; published Mar. 20, 1923.
Cheese. F. X. Baumert & Co. 170,827; July 24; Serial No. 169,746; published Feb. 27, 1923.
Cheese. Holland Food Corporation. 170,862; July 24; Serial No. 167,617; published Mar. 20, 1923.
Cheese. A. Huss. 170,850; July 24; Serial No. 163,873; published Mar. 20, 1923.
Cheese. Macleay Estate Co. 170,856; July 24; Serial No. 168,772; published Mar. 20, 1923.
Cheese and mincemeat. C. Perceval. 170,828; July 24; Serial No. 169,820; published Feb. 27, 1923.
Cheese, Swiss. Alpina Cheese Co. 170,822; July 24; Serial No. 170,113; published Mar. 20, 1923.
Cheese, Swiss. Alpina Cheese Co. 170,834; July 24; Serial No. 170,110; published Mar. 20, 1923.
Cheeses. C. Perceval. 170,795; July 24; Serial No. 169,821; published Feb. 27, 1923.
Chocolates. Great Atlantic and Pacific Tea Company. 170,754; July 24; Serial No. 173,417; published Apr. 24, 1923.
Chocolates and candies. E. Greenfield's Sons. 170,824; July 24; Serial No. 170,380; published Apr. 24, 1923.
Cracker products, crackers, cakes, and Dutch-style cookies. W. R. Montague Company. 170,797; July 24; Serial No. 170,076; published Apr. 3, 1923.
Crackers. E. J. Adler. 170,906; July 24; Serial No. 156,345; published Mar. 27, 1923.
Cocoa, tea, and rice. Old Dutch Mills, Inc. 170,792; July 24; Serial No. 170,594; published Mar. 13, 1923.
Coffee. Dwinell-Wright Company. 170,707; July 24; Serial No. 154,793; published May 1, 1923.
Coffee. J. S. Elliott Coffee Company. 170,886; July 24; Serial No. 159,746; published May 8, 1923.
Coffee, tea, spices, flavoring extracts. Olson Coffee Co. 170,859; July 24; Serial No. 168,546; published Apr. 17, 1923.
Confections, Frozen. Elite Confectionery Co. 170,868; July 24; Serial No. 166,664; published Jan. 16, 1923.
Confections, Frozen. Elite Confectionery Co. 170,869; July 24; Serial No. 166,663; published Jan. 23, 1923.
Corn flakes. Favorite Cereals Company. 170,832; July 24; Serial No. 170,058; published Feb. 27, 1923.
Corn flakes. Postum Cereal Company. 170,853; July 24; Serial No. 163,763; published Feb. 13, 1923.
Dairy products. F. A. Hoffman Co. 170,852; July 24; Serial No. 163,798; published Mar. 27, 1923.
Eggs. White Arrow Farms. 170,933; July 24; Serial No. 161,398; published Mar. 27, 1923.
Eggs and live poultry. E. R. Wells. 170,925; July 24; Serial No. 163,607; published Mar. 20, 1923.
Extracts, Flavoring. C. C. Foster. 170,945; July 24; Serial No. 168,027; published Mar. 20, 1923.
Feed and wheat flour, Stock, dairy, poultry, etc. Whyte Commission Company. 170,813; July 24; Serial No. 169,107; published Mar. 27, 1923.

Feed, Dairy. American Milling Company. 170,851; July 24; Serial No. 163,848; published Apr. 3, 1923.
Feed, Horse and mule. Nowak Milling Corporation. 170,904; July 24; Serial No. 170,780; published Mar. 13, 1923.
Feed, Mixed grade of mill. Midland Flour Milling Co. 170,814; July 24; Serial No. 169,369; published Feb. 27, 1923.
Feed, Poultry. Southern Oil & Feel Mills, Inc. 170,996; July 24.
Feed, Stock and poultry. Miller-McConnel Grain Co. 170,870; July 24; Serial No. 166,465; published Mar. 20, 1923.
Feed, Stock and poultry. Omaha Alfalfa Milling Company. 170,942; July 24; Serial No. 168,429; published Mar. 20, 1923.
Feed, Stock, dairy, and poultry. Whyte Commission Company. 170,939; July 24; Serial No. 169,110; published Mar. 20, 1923.
Feeds, Poultry. H-O Cereal Company. 170,855; July 24; Serial No. 168,968; published Mar. 20, 1923.
Flour. United States Flour Mills Company. 170,866; July 24; Serial No. 167,436; published Mar. 20, 1923.
Flour and breakfast cereal. H-O Cereal Company, 170,697; July 24; Serial No. 155,560; published Mar. 20, 1923.
Flour and corn meal. Fairchild Milling Company. 170,972; July 24.
Flour and corn meal, wheat and Graham. Boonville Mills Company. 170,845; July 24; Serial No. 162,912; published Mar. 20, 1923.
Flour, Hard-wheat, soft-wheat, and self-rising. United States Flour Mills Company. 170,865; July 24; Serial No. 167,437; published Mar. 20, 1923.
Flour made from cereals, Wheat. J. W. Russell. 170,849; July 24; Serial No. 164,116; published Mar. 20, 1923.
Flour, Prepared wheat. Ballard & Ballard Company. 170,884; July 24; Serial No. 159,079; published Mar. 20, 1923.
Flour, Self-rising. Ballard & Ballard Company. 170,882; July 24; Serial No. 157,295; published Mar. 20, 1923.
Flour, Self-rising. Sauers Milling Company. 170,891; July 24; Serial No. 160,210; published Mar. 20, 1923.
Flour, Self-rising wheat. Ballard & Ballard Co. 170,705; July 24; Serial No. 154,075; published Mar. 20, 1923.
Flour, Self-rising wheat. Ballard & Ballard Company. 170,883; July 24; Serial No. 159,080; published Mar. 20, 1923.
Flour, Self-rising wheat. S. R. Yantis Milling Co. 170,811; July 24; Serial No. 169,042; published Mar. 20, 1923.
Flour, Wheat. Accas Brothers. 170,936; July 24; Serial No. 169,470; published Feb. 27, 1923.
Flour, Wheat. Accas Brothers. 170,964; July 24.
Flour, Wheat. J. S. Black. 170,812; July 24; Serial No. 169,048; published Mar. 27, 1923.
Flour, Wheat. Colorado Milling & Elevator Co. 170,844; July 24; Serial No. 163,258; published Mar. 27, 1923.
Flour, Wheat. Hanson Milling Company. 170,839; July 24; Serial No. 161,881; published Apr. 3, 1923.
Flour, Wheat. Larabee Flour Mills Corporation. 170,807; July 24; Serial No. 171,502; published Mar. 13, 1923.
Flour, Wheat. Larabee Flour Mills Corporation. The. 170,841; July 24; Serial No. 162,426; published Mar. 20, 1923.
Flour, Wheat. Larabee Flour Mills Corporation. 170,931-2; July 24; Serial Nos. 162,427-8; published Mar. 20, 1923.
Flour, Wheat. Lawrenceburg Roller Mills Co. 170,791; July 24; Serial No. 170,774; published Mar. 13, 1923.
Flour, Wheat. Louisville Milling Company. 170,916; July 24; Serial No. 166,695; published Mar. 20, 1923.
Flour, Wheat. Modern Flour Mills. 170,935; July 24; Serial No. 169,601; published Feb. 27, 1923.
Flour, Wheat. Morrow Milling Company. 170,905; July 24; Serial No. 156,914; published Mar. 27, 1923.
Flour, Wheat. Noblesville Milling Co. 170,863; July 24; Serial No. 167,531; published Mar. 20, 1923.
Flour, Wheat. Pfeffer Milling Company. 170,833; July 24; Serial No. 170,080; published Feb. 27, 1923.
Flour, Wheat. Rugby Milling Company. 170,842; July 24; Serial No. 162,055; published Mar. 20, 1923.
Flour, Wheat. Sands, Taylor & Wood Co. 170,857; July 24; Serial No. 168,556; published Mar. 20, 1923.
Flour, Wheat. Sands, Taylor & Wood Co. 170,858; July 24; Serial No. 168,555; published Mar. 20, 1923.
Flour, Wheat. Thompson Milling Co. 170,888; July 24; Serial No. 160,727; published Mar. 20, 1923.
Flour, Wheat. Wabasha Roller Mill Company. 170,806; July 24; Serial No. 169,793; published Feb. 27, 1923.
Flour, Wheat. Washburn-Crosby Company. 170,793; July 24; Serial No. 170,513; published Mar. 13, 1923.
Flour, Wheat. Frank C. Williams, Inc. 170,949; July 24; Serial No. 167,277; published Apr. 3, 1923.
Food, Bird. C. C. Morse and Co. 170,810; July 24; Serial No. 171,943; published Mar. 20, 1923.
Food, Birds'. James Butler Grocery Company. 170,843; July 24; Serial No. 163,430; published Apr. 3, 1923.
Food, Cereal breakfast. Kellogg Toasted Corn Flake Co. 170,696; July 24; Serial No. 156,905; published Mar. 20, 1923.
Food, egg mash, and chick mash. Hen and chick. Bowman Bros. Seed Co. 170,835; July 24; Serial No. 162,658; published Mar. 20, 1923.
Food for cattle, horses, sheep, pigs, and poultry. Algin Company. 170,854; July 24; Serial No. 163,661; published Mar. 20, 1923.
Food, Stock. C. Winslow. 170,889; July 24; Serial No. 160,376; published Mar. 20, 1923.
Foods and food products, Cooked, uncooked, fresh, canned, compressed, etc. McKay-Manning, Incorporated. 170,914; July 24; Serial No. 166,783; published Mar. 20, 1923.
Foods, Cereal breakfast. Six In One Cereal Co. 170,877; July 24; Serial No. 157,903; published Mar. 20, 1923.
Fruits and ice cream, Frozen. W. A. Davis. 170,861; July 24; Serial No. 167,767; published Apr. 24, 1923.
Ice cream. City Dairy and Ice Cream Co. 170,846; July 24; Serial No. 165,229; published Mar. 20, 1923.
Ice cream. E. G. Woolsey. 170,982; July 24.
Ice cream and butter. Carolina Creamery Co. 170,710; July 24; Serial No. 149,504; published Mar. 20, 1923.
Jams, vegetable soup, etc., Dehydrated apricot and peach. Caladero Products Company. 170,848; July 24; Serial No. 164,695; published Mar. 27, 1923.
Maple cream, sirup, sugar, and honey, sauce for ice cream. Maple Grove Candies, Inc. 170,706; July 24; Serial No. 154,522; published Apr. 17, 1923.
Mayonnaise dressing. C. Wilkens Company. 170,913; July 24; Serial No. 138,247; published Dec. 12, 1922.
Meat seasonings. Wolf, Sayer & Heller, Inc. 170,993; July 24.
Meats, Smoked. Virden Packing Company. 170,709; July 24; Serial No. 142,184; published May 8, 1923.
Milk. Natoma Farm. 170,978; July 24.
Milk and a powder containing cocoa, sugar and skimmed milk, Powdered. Empire Food Products Company. 170,909; July 24; Serial No. 151,358; published Apr. 3, 1923.
Milk, Powdered. International Dry Milk Co. 170,698–700; July 24; Serial Nos. 155,689–91; published Apr. 24, 1923.
Nut food, Prepared. Battle Creek Food Company. 170,860; July 24; Serial No. 168,509; published Mar. 27, 1923.
Oil, caraway and celery seeds, cocoa butter, etc., Olive. Sun Drug Company. 170,912; July 24; Serial No. 139,632; published Apr. 3, 1923.
Oil, Olive. Maillard & Schmiedell. 170,872; July 24; Serial No. 165,801; published Apr. 24, 1923.
Oil, Olive. Maillard & Schmiedell. 170,922; July 24; Serial No. 165,802; published Apr. 24, 1923.
Oil, Olive. R. Martorelli. 170,703; July 24; Serial No. 152,269; published May 9, 1922.
Oil, Olive. F. Romeo & Co. 170,979; July 24.
Oleomargarine. Morris & Company. 170,798; July 24; Serial No. 170,443; published Mar. 13, 1923.
Pastes, Alimentary. Seattle Macaroni Mfg. Co. 170,988; July 24.
Pastries. Py-Et Company. 170,802; July 24; Serial No. 169,456; published Feb. 27, 1923.
Pastry and cakes and macaroon tarts. Victoria Pastry Co. 170,836; July 24; Serial No. 157,457; published Mar. 27, 1923.
Peanuts and salted almonds, Salted. H. D. Sawkins. 170,746; July 24; Serial No. 173,580; published Apr. 24, 1923.
Pies. J. Kalt, jr. 170,947; July 24; Serial No. 167,918; published Mar. 20, 1923.
Pretzels. T. A. Myers. 170,873; July 24; Serial No. 165,502; published Apr. 3, 1923.
Salad dressing, vinegar, canned fruits, vegetables, etc. Higgins-Babcock-Hurd Company. 170,847; July 24; Serial No. 165,134; published Mar. 27, 1923.
Sardines, Canned and salted anchovies, etc., Dry pressed and salted. San Xavier Fish Packing Company. 170,971; July 24.
Sirup, Cane and maple-sugar. New England Brewing Company. 170,907; July 24; Serial No. 155,768; published June 6, 1922.
Soyer, Curd meat from the. Y. Kin. 170,712; July 24; Serial No. 131,177; published Apr. 24, 1923.
Sugar. A. E. Staley Manufacturing Company. 170,901–3; July 24; Serial No. 170,796–8; published Mar. 13, 1923.
Sugar product. Ward Baking Company. 170,900; July 24; Serial No. 170,961; published Mar. 13, 1923.
Sugar product used as an ingredient in the manufacture of bread, cake, etc. Ward Baking Company. 170,816; July 24; Serial No. 170,960; published Mar. 13, 1923.
Tonic and food for feathered pets. W. Hoffmann. 170,898; July 24; Serial No. 171,217; published Mar. 13, 1923.
Vegetables, Fresh. Meyer Bros. 170,924; July 24; Serial No. 164,334; published Apr. 24, 1923.
Wafers and crackers. Century Biscuit Co. 170,918; July 24; Serial No. 166,350; published Mar. 20, 1923.
Watermelons. Texas Farm Bureau Melon Growers' Exchange. 170,950; July 24; Serial No. 167,152; published Apr. 24, 1923.

CLASS 50.

Bungs. United States Bung Mfg. Co. 170,928; July 24; Serial No. 162,909; published Apr. 24, 1923.

ALPHABETICAL LIST OF LABELS.

Calcum Makes Puppies Grow Strong And Healthy. For a Medicinal Preparation for Dogs. R. W. McRoberts. 26,255; July 24.

Copley, The Store For Men A Separate Store In A Separate Building. For Men's Overcoats. Jordan Marsh Company. 26,250; July 24.

Copley, The Store For Men A Separate Store In A Separate Building. For Men's Coats. Jordan Marsh Company. 26,251; July 24.

Kewpie. For Toilet Paper. Wortendyke Mfg. Co. 26,263; July 24.

King's Castle. For Wheat Flour. H. H. King Flour Mills Company. 26,252; July 24.

Krank's Lemon Facial Pack. For a Skin Treatment and Beautifier. A. J. Krank. 26,253; July 24.

Pepper Sauce. For West Indian Pepper Sauce. E. Murdock. 26,256; July 24.

Perspero. For a Composition of Matter Used for the Toilet. M. W. Levkowicz. 26,254; July 24.

Real Silk Guaranteed Hosiery. For Hosiery. Real Silk Hosiery Mills. 26,258–9; July 24.

Robin Hood. For Bread. Sanitwax Paper Co. 26,262; July 24.

Rowles Red Pepper Rub. For Cartons or Boxes Inclosing or Containing the Compound Described Therein. J. F. Murray. 26,257; July 24.

Sandhill. For Peaches. Sandhill Fruit Growers Association. 26,261; July 24.

Société. For Knitted Cravats. Holland Knitting Co. 26,249; July 24.

Use C. W. Robb's Very Best Paints. For Packages and Barrels of Paint. C. W. Robb. 26,260; July 24.

ALPHABETICAL LIST OF PRINTS.

Aracoma. For Draperies and Other Silk Fabrics. Aracoma Textile Company. 6,830; July 24.

Aristokrat Kut. For Fancy Cut Spectacle and Eyeglass Lenses. W. B. Georgia. 6,832; July 24.

Battery Service By The Year. For Electric Storage Batteries. H. E. Watson. 6,834; July 24.

Grape Nuts Window Trim. For Grape Nuts. Postnm Cereal Company. 6,833; July 24.

Peace And Plenty. For Wheat Breakfast Food. Cream of Wheat Co. 6,831; July 24.

Venus Thin Leads. For Pencils. American Lead Pencil Co. 6,829; July 24.

Wilder's Lion. For Half Soles and Strips. Wilder & Company. 6,835; July 24.

CLASSIFIED LIST OF TRADE-MARK TITLES.

PUBLISHED FOR OPPOSITION.

[Act of Feb. 20, 1905, Sec. 6, as amended Mar. 2, 1907.]

CLASS 1.

Logs and rough lumber. Dudley Lumber Company. 178,598; July 24.

CLASS 2.

Receptacles insulated, Food. New Standard Corporation. 179,162; July 24.

Rouge and powder compact package. Lazell Perfumer. 170,300; July 24.

CLASS 4.

Cleanser for false teeth. San-O-Dent Company. 174,865; July 24.

Detergent in the nature of a water softener and soap. Axxo Chemical Co. 180,957; July 24.

Lime polishing compositions. A. P. Munning & Co. 179,214; July 24.

Polish, Gold and silver. A. N. Sanderson. 180,083; July 24.

Preparation for cleaning artificial dentures. Holland Specialty Company. 174,647; July 24.

Soap. Lever Brothers Company. 180,610; July 24.

Soap. Susanna Cocroft Laboratories Inc. 180,751; July 24.

Soap. A. F. Wasserman. 179,574; July 24.

Soap and scouring compounds. Bonded Products Corporation. 180,266; July 24.

Soap and soap flakes. Prouty-Bowler Soap Co. 178,771; July 24.

Soap, Bath. Fred A. Wish, Incorporated. 180,639; July 24.

Soaps. Lightfoot Schultz Company. 179,108; July 24.

Soaps, cleaning and scouring powder. Commonwealth Color and Chemical Co. 179,358; July 24.

Soaps, liquids, powders, pastes, for cleaning, and a metal-polishing preparation. Tetralin-Gesellschaft mit beschränker Haftung. 142,046; July 24.

Washing compound. Justa Mfg. Co. 181,125; July 24.

Washing powder. H. Kohnstamm & Co. 180,375; July 24.

CLASS 6.

Battery solution. Camel Chemical Co. 178,821–2; July 24.

Chemical preparation. A. P. Kottler. 178,928; July 24.

Cod-liver oil. J. Didriksen. 175,715; July 24.

Cream and face powder, deodorant, etc, Combination cold. Atlanta Barbers Supply Company. 176,592; July 24.

Cream, Reducing. Camilla Preparations, Inc. 178,893; Hæmostatic preparations. V. Baldacci. 170,888; July 24.

Laxatives. R. Myers. 175,675; July 24.

Lotion for the skin. W. P. Hayhurst. 175,311; July 24.

Lotion for the skin. F. H. Shoemaker. 173,445; July 24.

Medical preparation for coughs, colds, etc. C. R. Rostine. 175,569; July 24.

Medicated preparation for liver ailments. Scott and Turner, Limited. 178,874; July 24.

Medicinal compound containing acetylsalicylic acid. H. C. Fleming. 178,834; July 24.

Pills and tablets for regulating menstrual functions. J. Rubsam Co. 169,138; July 24.

Pills, Liver. P. M. Moomaw. 177,097; July 24.

Powder, hair straightener, liniment, etc., Face. Indian Star Chemical Co. 175,356; July 24.

Preparation for keeping curl in hair, Liquid. Le Roye, Ltd. 179,541; July 24.

Preparation for the prevention and treatment of sunburn. Abbott Laboratories. 179,914; July 24.

Preparation for the treatment of tuberculosis. J. Tramsak. 177,026; July 24.

Tablets, lotions, silver-nitrate sticks, capsicum plasters, powders, etc. C. M. Owen. 178,277; July 24.

CLASS 8.

Cigarette paper. R. J. Reynolds Tobacco Company. 181,349; July 24.

CLASS 11.

Inks, blacks, etc. Sigmund Ullman Company. 156,473; July 24.

Inks, Printing. Commonwealth Color & Chemical Co. 179,357; July 24.

Inks, Printing. Lewis Roberts, Inc. 180,629; July 24.

CLASS 13.

Curtain rods, Metal. Turner & Seymour Manufacturing Company. 180,456; July 24.

Household and kitchen utensils made of aluminum. C. Colsman. 165,528; July 24.

Nails, rivets, brackets, etc., Eaves-trough. F. O. Schoedinger. 172,184; July 24.

Pipe and vent fittings, traps, etc. Acheson Manufacturing Company. 163,211; July 24.

Screens and strainers, Well. J. H. McEvoy. 175,564–5; July 24.

Springs and coil springs, seamless steel tubing. Sandvikens Jernverks Aktiebolag. 178,572; July 24.

Tire chains. Columbus McKinnon Chain Company. 179,031; July 24.

Valves for pipe lines and the like, Metal. Detroit Lubricator Company. 179,929; July 24.

Water regulators and pump governors, Feed-. Northern Equipment Company. 178,625; July 24.

PUBLISHED FOR OPPOSITION.

[Act of Feb. 20, 1905, Sec. 6, as amended Mar. 2, 1907.]

CLASS 14.

Castings, Copper-nickel-alloy. Manning, Maxwell & Moore, Inc. 177,565; July 24.

CLASS 15.

Fuels, Motor. F. J. Abbott. 180,404; July 24.

Gasoline. H. D. Burroughs. 170,751; July 24.

Oils, Lubricating. Wolverine Lubricants Co. of New York. 179,504; July 24.

CLASS 16.

Bronze powders and bronzing liquids. United States Bronze Powder Works, Inc. 176,230–1; July 24.

Polish for restoring the polish of musical instruments. J. Nicomede. 169,317; July 24.

CLASS 19.

Luggage carriers, shock absorbers, combined fender braces and bumpers. Marquette Manufacturing Company. 176,561; July 24.

CLASS 21.

Batteries and parts, Lead storage. General Lead Batteries Company. 161,992; July 24.

Electric-lighting fixtures, also complete electric-lighting fixtures, Metal parts and fixtures for. B & L Metal Stamping Co. 164,489; July 24.

Electrical switches. Hart & Hegeman Manufacturing Company. 161,728; July 24.

Lamp fixtures, motors, and fans, Electric-. National Screw and Manufacturing Company. 179,418; July 24.

Motors, generators, and fans, Electric. Star Electric Motor Co. 152,036–7; July 24.

Radio detector and amplifier tubes. O. & T. Electric Corporation. 180,293; July 24.

Radio head sets, radiodetectors, radiocrystals, etc. L. S. Brach Manufacturing Co. 178,892; July 24.

Radio sets and coupling coils, condensers, detectors, etc. Cleveland Radio Manufacturing Company. 162,667; July 24.

Radio signaling apparatus and parts thereof. Central Radio Laboratories. 178,164; July 24.

Signs, Flexlume Corporation. 169,630; July 24.

Stoves and ranges, Electric. American Range & Foundry Company. 173,551; July 24.

Switches and resistance control parts, Electric, telephone, and amplifier control, etc. M. Klosner. 174,579; July 24.

Vehicles, Electrical stop and direction signal light systems for. T. Katagi. 145,110; July 24.

Wire and cables, Insulated. Kerite Insulated Wire & Cable Company. 178,106; July 24.

CLASS 23.

Automobile stop and direction indicators. Begley Mechanical Corporation. 144,209; July 24.

Fire extinguisher, Dry-powder tube. H. S. Cooke. 179,295; July 24.

Fire extinguishers, Hand. Fireite Extinguisher Co. 181,686; July 24.

Knife or cutting-blade handles. August Goertz & Co. 176,461; July 24.

Molding and core making machines, vibrators, etc. Pneulec Machine Company. 178,356; July 24.

Oil-well swabs, stuffing boxes, jereckl jets, wire-line sockets, and tongs. Oil Country Specialties Manufacturing Co. 174,850; July 24.

Pedal control devices, Mechanical motive. Rayward Engineering and Manufacturing Co. 179,012; July 24.

Saws, Hack. The-B-K-Saw Co. 179,843; July 24.

Shears and scissors. Atlas Shear Co. 174,281; July 24.

Soldering coppers, punches, chisels, etc. F. O. Schoedinger. 172,182; July 24.

Wrenches, vises, etc. J. H. Williams & Co. 149,873; July 24.

CLASS 26.

Glass plates for etching, etc., Coated. Graphoto Company. 163,387; July 24.

Glassware, particularly gauge glass. Libbey Glass Manufacturing Co. 171,807; July 24.

Measuring outfits, Surveying linemen's. James W. Brine Company. 172,580; July 24.

Rules, dividers, etc., Steel and zigzag. F. O. Schoedinger. 172,180; July 24.

Slides and motion-picture films, Positive projection. C. V. & R. Batigne. 176,664; July 24.

CLASS 27.

Watch and clock movements and watchcases. Savoy Watch Company. 179,382; July 24.

Watch movements and watchcases. M. Goldin. 173,887; July 24.

Watches. Baird-North Company. 181,715; July 24.

Watches. A. Wittnauer Co. 181,327; July 24.

Watches and parts. F. Kaufman. 179,796; July 24.

Watches, watch movements, and parts thereof. J. Gottlieb. 179,665; July 24.

CLASS 28.

Earrings, finger rings, pendants, scarf pins, etc. L. Bossell. 177,266; July 24.

Jewelry. Sigler Bros. Co. 167,853; July 24.

Hollow ware. Farber Silver Corporation. 180,059; July 24.

Rings and neck chains, Finger. L. Block. 171,893; July 24.

CLASS 29.

Automobile windshield wipers. White Products Company. 144,757; July 24.

Brushes, Paint, and shaving. Marshall-Wells Company. 181,135; July 24.

Mops, W. C. Palmer. 164,060; July 24.

Mops, Dish, bottle, and pot. Chore-Utensils Corporation of America. 181,380; July 24.

Mops, mopsticks, and bathtub cleaners. J. A. Meinhardt. 180,876; July 24.

CLASS 31.

Refrigerators. Universe Corporation. 181,156; July 24.

CLASS 32.

Mattresses. Cotton Belt Manufacturing Company. 172,829; July 24.

CLASS 33.

Glass, Sheet. L. J. Houze Convex Glass Company. 181,397; July 24.

CLASS 34.

Dehydrators and parts of dehydrators. Monarch Corporation. 178,268; July 24.

Furnaces, Heating. Howard Stove & Furnace Co. 180,603; July 24.

Furnaces, Warm-air. Richardson & Boynton Co. 179,222; July 24.

Mantles, Gas and gasoline. Block Gas Mantle Company. 180,651; July 24.

Ranges, heaters, stoves, and furnaces. Marshall-Wells Company. 178,855; July 24.

Stokers, Underfeed. Sanford Riley Stoker Company. 181,314; July 24.

Stoves. Summerfield Company. 178,883; July 24.

Stoves, ovens, heaters, etc. C. E. Adamson. 179,125; July 24.

Water heaters. Stack Heater Company. 155,277; July 24.

CLASS 35.

Piston rings. Richmond Piston Ring Co. 134,088; July 24.

Tires, Rubber and fabric. Brunswick-Balke-Collender Company. 177,952; July 24.

CLASS 36.

Harmonicas, Mouth. M. Hohner. 180,180; July 24.

Phonograph records. Italian Book Co. 171,803; July 24.

Phonograph records. Lincoln Record Corporation. 180,133; July 24.

Phonographs and parts thereof. Rosen & Listengart. 179,558; July 24.

Xylophones. J. C. Deegan, Inc. 180,529; July 24.

CLASS 37.

Binders and leaves therefor, Loose-leaf. United Autographic Register Co. 169,993; July 24.

Books, Score. James W. Brine Company. 172,730; July 24.

Card indexes, index cards, cases, cabinets, etc. Index Visible, Inc. 148,279; July 24.

Easels for supporting advertising cards, Cardboard. New Method Die & Cut-Out Co. 181,304; July 24.

Paper, pencils, pens, etc. W. H. Johnson. 163,987; July 24.

Paper, Toilet. Diamond Mills Paper Company. 181,387; July 24.

Paper, Toilet. Northern Paper Mills. 180,717; July 24.

Paper, Uncut cigarette. Robert Fletcher & Son Limited. 180,000–1; July 24.

Paper weights and desk ornaments. A. Vos. 177,530; July 24.

CLASS 39.

Boot and shoe tips and counters. Geo. E. Keith Company. 177,675; July 24.

Brassières. Nature's Rival Company. 165,406; July 24.

Coats and suits, Ladies' and misses'. Zieser & Kling. 180,643; July 24.

Collars, cuffs, aprons, caps, bibs, uniforms, etc., Nurses'. E. W. Marvin Company. 174,845; July 24.

Garters. W. H. Johnson. 174,841; July 24.

Gloves, gauntlets, and mittens, Leather. Joseph N. Eisendrath Company. 173,469; July 24.

Gloves, gauntlets, and mittens, Leather. Joseph N. Eisendrath Company. 173,474; July 24.

Gloves, gauntlets, and mittens, Leather. Joseph N. Eisendrath Company. 173,477; July 24.

Hats. J. Land. 152,428; July 24.

Hats, caps, tassels, and aprons. Military Order of The Cootie. 166,315; July 24.

Hats, for women and children. Sunman & Hewson. 177,146; July 24.

Hose, Infants'. Hub Hosiery Mills. 179,730; July 24.

Hosiery. Finery Hosiery Corporation. 177,434; July 24.

Hosiery. Gerson & Breyer. 177,374; July 24.

PUBLISHED FOR OPPOSITION.

[Act of Feb. 20, 1905, Sec. 6, as amended Mar. 2, 1907.]

Hosiery, sleeping garments, bibs, and aprons. Fred A. Wish, Incorporated. 180,642; July 24.
Hosiery, Women's silk. Cohen Company. 180,271; July 24.
Necktles. Meyer, Bacharach & Friedhelm. 174,183; July 24.
Petticoats and bloomers. Carson Pirie Scott & Company. 180,587; July 24.
Shirts, nightgowns, and pyjamas. Carleton Dry Goods Company. 180,585; July 24.
Shirts, pyjamas, underwear, etc. S. J. Koblenzer. 179,153; July 24.
Suits, jackets, coats, trousers, vests, and knickerbockers, Men's. J. David. 180,591; July 24.
Sweater coats. Cadet Knitting Company. 180,417; July 24.
Underwaists. Warner Brothers Company. 174,045; July 24.
Underwear, Women's and children's textile. Ida Munzer, Inc. 174,586; July 24.

CLASS 40.

Braid, Rickrack. Barash Bros., Inc. 170,269; July 24.

CLASS 42.

Cotton piece goods. Wilton Manufacturing Co. 177,536; July 24.
Hair nets. West Electric Hair Curler Company. 179,838; July 24.
Piece goods of wool, worsted, or hair. R. G. Maxwell & Co. 181,605; July 24.
Sheeting, Unbleached. Consolidated Textile Corporation. 172,031; July 24.
Textile material. Warren Products Company. 178,685; July 24.
Upholstery, Automobile. A. Boyriven. 165,120; July 24.
Wool pile fabric. Botany Worsted Mills. 180,358–9; July 24.
Worsted yarn fabric. Botany Worsted Mills. 178,989; July 24.

CLASS 44.

Dental spotlights and lamps for the same. S. S. White Dental Manufacturing Company. 180,158; July 24.

CLASS 45.

Beverage powder used for making soft drinks. P. S. Hollis. 172,380; July 24.
Sarsaparilla, ginger ale, cream soda, etc. Wm. Montgomery & Co. 179,811; July 24.

CLASS 46.

Alimentary paste products. A. Goodman & Sons, Inc. 169,543; July 24.
Beverage, Coffeelike. Kellogg Company. 177,914; July 24.
Bread. T. J. Fitzpatrick. 153,036; July 24.
Butter, eggs, lard, etc. Dunlevy Packing Company. 155,668; July 24.
Cake. Tasty Baking Company. 157,084; July 24.
Candies. Peerless Confection Company. 169,605; July 24.
Candy. E. A. Hoffman. 174,393; July 24.
Candy. C. Perceval. 177,048; July 24.
Candy. Rey-Del-Rey Candy Co. 172,044; July 24.
Canned crab meat. Taiyo Trading Co. 176,580; July 24.
Canned fish. Jos. Garneau Co. 175,080; July 24.
Canned fruits. Kings County Packing Co. 168,042; July 24.
Canned fruits, berries, and vegetables. Ray-Maling Co. 175,811; July 24.
Canned peas and tomatoes. Cincinnati Wholesale Grocery Company. 177,360; July 24.
Cantaloupes, Fresh. A. Arena & Co. 174,763; July 24.
Catchup, chili sauce, canned goods, etc. My Own Company. 168,935; July 24.
Cheese. Phenix Cheese Co. 172,392; July 24.
Cheese. M. O. Schaefer. 174,866; July 24.
Codfish, Salt. Gorton-Pew Fisheries Company. 177,910; July 24.
Coffee. C. D. Kenny Company. 178,257; July 24.
Coffee. Weideman Company. 173,309; July 24.
Coffee. Wilson Tea Co. 177,885; July 24.
Eggs, Fresh. New Hampshire Co-Operative Marketing Association, Inc. 153,101; July 24.
Extracts and flavorings for food purposes. Davies, Rose & Co. 168,517; July 24.
Feed, Chicken. Ryde & Company. 174,489; July 24.
Feed, Stock. Ryde & Company. 174,490; July 24.
Feeds, Stock. Quaker Oats Company. 173,982; July 24.
Fish Cakes. Gorton-Pew Fisheries Company. 177,909; July 24.
Flour, Hard-wheat. Wells-Abbott-Nieman Co. 173,946; July 24.
Flour, Self-rising. Sprague Roller Mills. 170,734; July 24.
Food product. V. Banos & Co. 177,948; July 24.
Foods, Cereal breakfast. Kellogg Toasted Corn Flake Co. 172,884; July 24.
Garlic flavoring compound. B. Heller & Company. 172,990; July 24.
Ice cream. Hydrox Corporation. 177,783; July 24.
Ice-cream containers, Edible. F. A. Muscente. 172,758; July 24.
Ice-cream portion. L. A. Sutermeister. 172,912; July 24.
Oil for frying, cooking, etc., Cottonseed. Great Atlantic and Pacific Tea Company. 176,106; July 24.
Oil, Olive. Campania Importing Company. 155,665; July 24.
Paprika and spices, Spanish. E. Flores. 174,567; July 24.
Peanut butter. L. Snow. 177,877; July 24.
Rennet extract and tablets and lactic-acid ferment. Levring & Company. 178,450; July 24.
Salad dressing. M. Germany. 176,119; July 24.
Sauce, soy, packed miso, etc., Bottled and barreled. Asia Company. 174,163; July 24.
Sauces or sirups. Powder used in making chocolate. Siren Mills Corporation. 176,102; July 24.
Sugar, Beet, cane, and maple. Union Sugar Company. 178,310; July 24.
Vegetables, fats, and oils, Edible. G. W. King. 164,111; July 24.

CLASS 50.

Blackboards. G. W. Brooks. 149,884; July 24.
Buttons, Lapel. Supreme Orient O. O. H. & P. 145,596; July 24.
Flags, banners, pennants, etc. James W. Brine Company. 172,581; July 24.
Ladders. Goshen Churn & Ladder Company. 171,315; July 24.
Plaques, Metallic hot-dish. Etched Products Corporation. 176,075; July 24.

ALPHABETICAL LIST OF PATENTEES

TO WHOM

PATENTS WERE ISSUED ON THE 24TH DAY OF JULY, 1923.

NOTE.—Arranged in accordance with the first significant character or word of the name (in accordance with city and telephone directory practice). **Includes patents, reissues, and designs.**

Abbay, Fred T. (See Hackett, W. J., and Abbay.)
Abbott, Maurice J., assignor to American Can Company, New York, N. Y. Machine for treating fish. 1,463,111; July 24.
Acme Products Company. (See Logan, William B., assignor.)
Adams, Henry J., Denver, Colo. Wheel. 1,462,754; July 24.
Adams, Joseph H., Flatbush, N. Y., assignor to The Texas Company, Houston, Tex. Oil-converting process for the conversion and transformation of oils. 1,462,677; July 24.
Adams, Joseph H., Flatbush, N. Y., assignor to The Texas Company, Houston, Tex. Oil-converting apparatus. 1,462,678; July 24.
Adamson, Ernie, New York, N. Y. Power plant. 1,462,470; July 24.
Adenot, Marius, assignor to Société Lyonnaise d'Industrie Mécanique, Caluire, Rhone, France. Vehicle brake. 1,463,112; July 24.
Aderer, Alexander. (See Deserty, Alexander S., assignor.)
Agostini, Louis G., Paris, France. Hair curler. 1,463,028; July 24.
Aikman, Burton S., assignor to National Brake & Electric Company, Milwaukee, Wis. Pneumatic system. 1,462,842; July 24.
Ainsworth, Earnest D., Bonelta Springs, S. Dak. Wheel puller and emergency hub. 1,462,843; July 24.
Air Reduction Company. (See Plumley, Stuart, assignor.)
Allegretti, Giacomo, Stockton, Calif. Method of and apparatus for making phonograph records. 1,462,729; July 24.
Allen, George N., and E. H. Benway, assignors to Walter A. Wood Mowing & Reaping Machine Company, Hoosick Falls, N. Y. Manure-spreader body construction. 1,462,996; July 24.
Allred, Abraham L., Corydon, Iowa. Combination animal crate. 1,462,755; July 24.
Alpiner, Benjamin W., Kankakee, Ill. Collapsible lap-board for card players. 1,462,471; July 24.
Alspaugh, James S., Portsmouth, Ohio. Gear-shift mechanism. 1,462,530; July 24.
Altman, Helen S., Elcho, Wis. Handle for pie pans. 1,462,880; July 24.
Amador, Joseph E., New York, N. Y. Safety fender for automobiles. 1,462,928; July 24.
American Brake Shoe & Foundry Company, The. (See Jones, Harry, assignor.)
American Can Company. (See Abbott, Maurice J., assignor.)
American Carbonic Machinery Company. (See Labus, O. A., and Peth, assignors.)
American Telephone and Telegraph Company. (See Thompson, George K., assignor.)
American Telephone and Telegraph Company. (See Toomey, J. F., and Harrison, assignors.)
American Valve and Meter Company, The. (See Anderson, Frank C., assignor.)
Amundson, Carl, Spring Grove, Minn. Piston-ring-groove carbon scraper. 1,462,895; July 24.
Anatmos Metals and Furnace Corporation. (See Benjamin, George H., assignor.)
Andersen, Gammel, Austin, Tex. Clip. 1,462,591; July 24.
Anderson, Ernst G. K., assignor, by mesne assignments, to Appleton Electric Co., Chicago, Ill. Lens mounting for lamp casings. 1,462,472; July 24.
Anderson, Ernst G. K., assignor, by mesne assignments, to Appleton Electric Co., Chicago, Ill. Automatic switch control for spotlamps. 1,462,473; July 24.
Anderson, Frank C., assignor to The American Valve and Meter Company, Cincinnati, Ohio. Switch stand. 1,463,140; July 24.
Anderson, John O., and O. P. Peterson, Ely, Minn. Charge preheating and vaporizing device. 1,462,844; July 24.
Anderson, Louis W., Grand Rapids, Mich., assignor to The Tunnel & Sewer Machine Engineering Company, Buffalo, N. Y. Tunneling machine. 1,462,997; July 24.
Anderson Motor Company. (See Deas, Coon A., assignor.)
Andreau, Roland L., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Production of phosphorus oxychloride. 1,462,732; July 24.
Andrewa, Charlie M., assignor of one-half to G. E. Moore, Caryville, Tenn. Combined trolley frog and electric cut-out. 1,463,029; July 24.
Andrews, William G., Chicago, Ill. Machine and process for remilling finished flour to bleach same and open starch cells. 1,462,730; July 24.
Anthracite Separator Company. (See Pardee, Frank, assignor.)
Antonelli, Giuseppe, Turin, Italy. Shock absorber. 1,462,731; July 24.
Appleton Electric Co. (See Anderson, Ernest G. K., assignor.)
Armbruster, Ferdinand P., et al., trustees. (See Schmitz, Richard, assignor.)
Armstrong, John. (See Connell, J. W., and Armstrong.)
Arrow Electric Company, The. (See Harrington, William H., assignor.)
Atkinson, Charles E., Pine Lawn, assignor to E. E. Souther Iron Company, Wellston P. O., St. Louis County, Mo. Apparatus for crushing corrugated metal. 1,462,474; July 24.
Atkinson, Charles E., Pine Lawn, assignor to E. E. Souther Iron Company, Wellston P. O., St. Louis County, Mo. Crushing corrugated metal. 1,462,475; July 24.
Automatic Electric Company. (See Owen, William W., assignor.)
Automat Molding and Folding Company, The. (See Beam, Frank E., assignor.)
Avery Company. (See Bartholomew, John B., assignor.)
B-B Manufacturing and Drilling Company. (See Mathews, Samuel J., assignor.)
Babiarz, John, New Salem, Pa. Cashier protector. 1,462,781; July 24.
Baehr, Gustave, Paris, France. Collapsible hood or roof of vehicles. 1,463,030; July 24.
Bakels, William C., Midland Park, N. J. Tool for removing from or applying differential gears to their axles. 1,463,031; July 24.
Balzer, Charles A. (See Voss, H. W., and Balzer.)
Banks, Lee H., Lacamp, La. Door for freight cars. 1,462,565; July 24.
Bantle, Ralphael, St. Louis, Mo. Toy. 1,463,032; July 24.
Barbarou, Marius J. B., Paris, France. Carburetor. 1,462,782; July 24.
Barbarou, Marius J. B., Paris, France. Stopper for reservoirs, radiators, and the like. 1,462,783; July 24.
Barkschat, Henry. (See Gorrell, W. R., and Barkschat.)
Barksdale, George R., and P. B. Wilson, Greenwood, S. C.; said Wilson assignor to said Barksdale. Automatic roving check. 1,462,896; July 24.
Barnaby, Stanley. (See Hadley, F. V., Barnaby, and Clark.)
Barnes, Brown E., assignor to Williamette Iron & Steel Works, Portland, Oreg. Pulley block. 1,462,630; July 24.
Barnes, Brown E., assignor to Williamette Iron & Steel Works, Portland, Oreg. Pulley block. 1,462,631; July 24.
Barnum, Thomas E., assignor to The Cutler-Hammer Mfg. Co., Milwaukee, Wis. Motor controller. 1,462,476; July 24.
Barrett, Clarence E. (See Mooney, Frank H., assignor.)
Barrett Company, The. (See Snyder, E. R., and Mortimer, assignors.)
Bartholomew, John B., assignor to Avery Company, Peoria, Ill. Carbureting apparatus for internal-combustion engines. 1,462,845; July 24.
Barto, Alphonso V., Bronxville, N. Y. Carrier. 1,462,897; July 24.
Barton, Charles N., assignor of one-fourth to F. N. Reynolds, one-fourth to F. K. Murphy, one-twelfth to M. E. Davis and one-twelfth to M. E. Reynolds, Indianapolis, Ind., and one-twelfth to E. M. Dinnin, New York, N. Y. Sectional journal box and hub liner. 1,462,929; July 24.
Barwald, Mont W., Jacksonville, Fla. Piston. 1,462,501; July 24.
Bassick Company, The. (See Bassick, William R., assignor.)
Bassick Company, The. (See Moore, Raymond G., assignor.)
Bassick Manufacturing Company, The. (See Davis, Ernest W., assignor.)
Bassick, William R., assignor to The Bassick Company, Bridgeport, Conn. Automobile hood clamp. 1,462,477; July 24.

Batchelder, Asa F., Scotia, N. Y., assignor to General Electric Company. Mounting for electric motors. 1,462,998; July 24.

Baumann, Gottfried P., assignor to Ideal Stitcher & Manufacturing Company, Chicago, Ill. Stitching machine 1,462,898; July 24.

Baumann, Milton C., assignor to Dayton-Wright Company, Dayton, Ohio. Rudder control. 1,462,531; July 24.

Baxter, William L., Beverly, Mass. Shoe or similar article. Des. 62,687; July 24.

Bayless, William O., Knoxville, Tenn. Locking device for automobiles. 1,462,999; July 24.

Beam, Frank E., assignor to The Automat Molding and Folding Company, Toledo, Ohio. Package-forming machine. 1,462,566; July 24.

Becherer, George, jr., assignor to Empire Stamping Tool & Manufacturing Company, St. Louis, Mo. Compound progressive punch and dies. 1,462,733; July 24.

Beck, Albert, Chicago, Ill., assignor to McGill Metal Products Company. Selective change maker. 1,462,679; July 24.

Beckett, John R., Somerville, Mass. Truing device for grinding disks. 1,463,033; July 24.

Behrens, Heinrich, Brunswick, Germany. Device for distributing pulverulent or granular material continuously supplied in a controlled stream. 1,462,847; July 24.

Bell, Elwood G., Chicago, Ill. Waterproof cigarette case. 1,462,846; July 24.

Bellinger, Burt J., Dexter, N. Y. Making paper pulp. 1,463,090; July 24.

Benjamin, George H., assignor to Anatmos Metals and Furnace Corporation, New York, N. Y. Furnace for melting and casting. 1,462,899; July 24.

Bennett, Ashley C., assignor to I. E. Bennett, Minneapolis, Minn. Carburetor. 1,462,034; July 24.

Bennett, Ashley C., assignor to I. E. Bennett, Minneapolis, Minn. Intake manifold. 1,463,035; July 24.

Bennett, Irene E. (See Bennett, Ashley C., assignor.)

Benoit, Felix E. (See Thoresen, A. S., and Benoit.)

Benson, Aaron. (See Massey, A., and Benson.)

Bentley, Oliver D. H., Norfolk, assignor to B. F. Sturtevant Company, Hyde Park, Mass. Counter-rotation turboblower. 1,462,592; July 24.

Benway, Eugene H. (See Allen, G. N., and Benway.)

Berg, Maurice O., Chicago, Ill. Speed-change worm transmission. 1,463,001; July 24.

Berkes, Ernst P., Pfeddersheim, near Worms-on-the-Rhine, Germany. Hollow building tile. 1,462,593; July 24.

Bernard, James L., Beaver, Pa. Riveter. 1,463,146; July 24.

Bernstein, Barnet, Gloucester, Mass, Mothproof bag. 1,463,002; July 24.

Bergfeld, J. A. (See Cleveland, David P., assignor.)

Berry, Gaspard, Brussels, Belgium. Internal-combustion engine. 1,462,848; July 24.

Beynon, Ross, and J. G. Hintz, Chicago, Ill., assignors to Dryden Rubber Company. Adjusting mechanism for trimmers. 1,462,478; July 24.

Bibb, Otis, Louisville, Ky. Bag closure. 1,463,113; July 24.

Bienville Manufacturing Company. (See Madere, Ernest H., assignor.)

Binder, Carl A. (See Rolle, Karl F. A., assignor.)

Bingham, George W., assignor to Wildescope Camera Co., Newark, N. J. Motion-picture device. 1,462,784; July 24.

Bisch, Floyd, Philadelphia, Pa. Combined signal and license-display device. 1,462,953; July 24.

Blakeslee, George S., Chicago, Ill. Washing machine. 1,462,734; July 24.

Blakeslee, George S., Oak Park, Ill. Washing machine. 1,462,735; July 24.

Blanck & Co. (See Langenegger, John, assignor.)

Bliss, John, London, England. Burner for fluid fuel. 1,462,680; July 24.

Boa, Robert G. C., Herkimer, assignor to Remington Accounting Machine Corporation, New York, N. Y. Calculating machine. 1,462,567; July 24.

Boddy, Harry V., Marceline, Mo. Lubricating journal box for car axles. 1,462,736; July 24.

Bobock, Joseph J., assignor of thirty-five per cent to C. Kyff and thirty per cent to A. Purcell, Yonkers, N. Y. Color box. 1,462,479; July 24.

Bollman, Grover E., Sugarcreek, Ohio. Tractor hitch. 1,462,930; July 24.

Bonimsegni, Riccardo, Florence, Italy. Transmitting and reversing gear. 1,462,900; July 24.

Bonner, Fred W., Pottstown, Pa. Nonglare eyeshield. 1,462,532; July 24.

Bose, Frederick J., Norristown, Pa. Smoking mixture. 1,462,480; July 24.

Bostrom, Earnst A., assignor to Pomona Products Company, Griffin, Ga. Coring machine. 1,463,114; July 24.

Boswell, George G. F., Indianapolis, Ind. Combined shock absorber and rebound check for motor-propelled vehicles. 1,462,737; July 24.

Boswell, George G. F., Indianapolis, Ind. Rebound check shock absorber. 1,462,738; July 24.

Bottome, Edgar M., Moundsville, W. Va., assignor to The Palm Brothers Company, New York, N. Y. Plate or similar article. Des. 62,688; July 24.

Bottome, Edgar M., Moundsville, W. Va., assignor to The Palm Brothers Company, New York, N. Y. Plate or similar article. Des. 62,689; July 24.

Bottome, Edgar M., Moundsville, W. Va., assignor to The Palm Brothers Company, New York, N. Y. Plate or similar article. Des. 62,690; July 24.

Bowe, Edward V., San Diego, Calif. Combination clothes hanger and trousers creaser. 1,463,003; July 24.

Bowman, Francis H., Lynn, Mass., assignor to General Electric Company. Electrical recording instrument. 1,463,004; July 24.

Bowman, Newton K., Bowdil, Ohio. Mining-machine blt. 1,462,681; July 24.

Boyle, John T., Randolph, Mass. Ornamental transparency. 1,462,481; July 24.

Brandt, Carl A. (See Nyquist, A. R., and Brandt.)

Bridgeport Metal Goods Manufacturing Company, The. (See Loveman, William R., assignor.)

Briggs & Stratton Co. (See Soreng, Edgar M., assignor.)

Brown, Francis H., Philadelphia, assignor, by mesne assignments, to The Hagan Corporation, Pittsburgh, Pa. Controlling combustion. 1,463,141; July 24.

Brown, Francis H., Glen Olden, assignor, by mesne assignments, to The Hagan Corporation, Pittsburgh, Pa. Apparatus for controlling combustion. 1,463,142; July 24.

Brown, Francis H., Ridley Park, assignor, by mesne assignments, to The Hagan Corporation, Pittsburgh, Pa. Controlling combustion. 1,463,143; July 24.

Brown, Frank A. (See Koss, William E., assignor.)

Brown Process Company. (See Jones, Richard G., assignor.)

Bruckner, Charles C., Jersey City, N. J., assignor to Bruckner Mfg. Co., Inc. Engraving machine. 1,462,682; July 24.

Bruckner Mfg. Co. (See Bruckner, Charles C., assignor.)

Bryant, William A. (See Whaler, H. T., and Bryant.)

Bryden-Neversilp Company. (See Whitaker, R., jr., and Snyder, assignors.)

Brecht, George S., Baltic, assignor to A. L. Stewart, Canton, S. Dak. Snowplow. 1,462,901; July 24.

Bryen, George J., Duquesne, Pa. Rolling-mill ragging mechanism. 1,463,036; July 24.

Buckeye Traction Ditcher Company, The. (See George, Charles L., assignor.)

Buckham, George T. (See Dawson, A. T., Buckham, and Larsson.)

Budd Wheel Company. (See Fine, Lewis, assignor.)

Buller, Charles M., assignor to L. J. Mueller Furnace Company, Milwaukee, Wis. Adjustable boot for pipes. 1,462,482; July 24.

Burgess Battery Company. (See Schulte, Walter B., assignor.)

Burgess, Norman T., Santa Ana, Calif. Control mechanism for motion picture projecting machines. 1,462,931; July 24.

Burnett, Ira A., Chicago, Ill. Alloy and mercury dispenser. 1,462,954; July 24.

Burrowes, C. T., Company, The. (See Seavey, Harry R., assignor.)

Burton, James A., Brooklyn, N. Y. Lubricant. 1,462,799; July 24.

Bush, Henry L., Hopkinton, and A. M. Hamblet, Salem, Mass. Memorandum tablet and holder. 1,462,683; July 24.

Cabana, Oliver F. (See Dotterweich, Edward J., assignor.)

California Car Company. (See Maubert, Calvin R., assignor.)

Camp, David, Cumberland County, N. J. Device for straightening bent or irregular axle housings. 1,462,955; July 24.

Canien, John R., Austin, Tex. Loading and grading device. 1,462,785; July 24.

Carnahan, Harry L., Centralia, Mo. Accelerator foot throttle. 1,463,115; July 24.

Carpenter, John S., Irvington, N. J., assignor to Worthington Pump and Machinery Corporation, New York, N. Y. Hydraulic turbine. 1,462,483; July 24.

Carson, Gates R. (See Gilmore, A. R., and Carson.)

Carter, Daniel G., Moshelm, Tenn. Making seamless uppers. 1,463,066; July 24.

Carter, John J., Anderson, Ind., assignor to The Remy Electric Company. Manufacture of shafts. 1,463,144; July 24.

Cartier, Inc. (See Fuchs, Emil, assignor.)

Case, Francis M., Cleveland, assignor, by mesne assignments, to Hoover Company, North Canton, Ohio, Brush-adjusting device for suction cleaners. 1,462,568; July 24.

Castalia Gardens, Inc. (See Makepeace, Stanley, assignor.)

Central Wisconsin Trust Company, executor. (See Putnam, William H.)

Champlin, Charles A., assignor of 35 per cent to R. E. Rutledge, Hope, Ark. Animal trap. 1,462,739; July 24.

Chance, Thomas M., Philadelphia, Pa. Producing fluid-separating mediums and fluid-separating medium produced thereby. 1,462,881; July 24.

Chatterton, F. (See Watson, James H., assignor.)

Chicago Automatic Conveyor Co. (See Shaw, Arthur L., assignor.)

Chireix, Henri, Paris, France. Receiving system. 1,462,882; July 24.

Christenson, Arthur E. (See Christenson, Sam and A. E.)

Christenson, Sam and A. E., Fergus Falls, Minn. Illuminated sign. 7,462,849; July 24.

Clark, Edward D., Achille, Okla. Rat trap. 1,462,802; July 24.

Clark, Egbert N., Rochester N. Y. Profile-defining apparatus. 1,462,850; July 24.

Clark, Virginius E., assignor to Dayton-Wright Company, Dayton, Ohio. Fuselage construction for aircraft. 1,462,533; July 24.

Clarke, George J. (See Dow, G. B. N., and Ham, assignors.)

Clarke, Jessie C. (See Condylis, M. J., and Clarke.)

Clarke, John O. (See Hadley, F. V., Barnaby, and Clark.)

Clemmer, Julius N., Omaha, Nebr. Foldable boat. 1,462,800; July 24.

Cleveland, David P., asignor of one-half to J. A. Bergfeld, Dallas, Tex. Sand-blast machine. 1,462,786; July 24.

Cloud, William S., assignor to J. D. Roszell, Peoria, Ill. Process and apparatus for making confections. 1,462,883; July 24.

Clum, Harry A., Wauwatosa, assignor to Clum Mfg. Co., Milwaukee, Wis. Lock switch. 1,462,684; July 24.

Clum Mfg. Co. (See Clum, Harry A., assignor.)

Coleman, George B., assignor to Coleman X-Ray Company, San Francisco, Calif. Method and apparatus for rectifying polyphase currents. 1,462,632; July 24.

Coleman, George B., assignor to Coleman X-Ray Company, San Francisco, Calif. Producing direct current from an alternating circuit and means therefor. 1,462,633; July 24.

Coleman, George B., assignor to Coleman X-Ray Company, San Francisco, Calif. Means and method of conversion between alternating and direct currents. 1,462,634; July 24.

Coleman X-Ray Company. (See Coleman, George B., assignor.)

Condylis, Michael J., and J. C. Clarke, Louisville, Ky. Arch supporter. 1,462,534; July 24.

Connell, John W., and J. Armstrong, Centralia, Wash. Brake-rod attachment. 1,462,932; July 24.

Continental Car Company of America. (See McKinley, Andrew B., assignor.)

Cook, Ernest E. (See Gilmour, R., and Cook.)

Cooper, Augustus S., Santa Barbara, Calif. Utilizing residual heat. 1,462,851; July 24.

Corona Machine Company. (See De Luca, P. C., and Insogna, assignors.)

Cotal, Jean, Puteaux, France. Change-speed-gear mechanism. 1,462,740; July 24.

Cottam, John B., Montecito, Calif. Collapsible queen and drone trap. 1,462,933; July 24.

Coughlin, Joseph D., New York, N. Y., assignor, by mesne assignments, of one-half to D. A. McConnell. Hair curler. 1,462,484; July 24.

Counter, Howard E., Leipsic, Ohio. Draft appliance for tractors. 1,462,685; July 24.

Covell, Nathaniel, Tidioute, Pa. Saw-set tool. 1,462,686; July 24.

Cowden, Albert R., and E. J. B. Gorman, Dayton, Ohio. Laminated structure for wheels. 1,462,687; July 24.

Cox Brass Manufacturing Company. (See Cox, William G., assignor.)

Cox, Lucille, Chicago, Ill. Stamp container. 1,462,535; July 24.

Cox, William G., Cleveland, Ohio, assignor to Cox Brass Manufacturing Company, Albany, N. Y. Automobile shield. 1,462,956; July 24.

Crary, James H., Brooklyn, N. Y. Strainer. 1,463,067; July 24.

Crimmel, Alvie C., Hartford City, Ind. Liquid container for fountain syringes. Des. 62,691; July 24.

Crompton & Knowles Loom Works. (See Holmes, Elbridge R., assignor.)

Crompton & Knowles Loom Works. (See Knowlton, C. E., and Ryon, assignors.)

Crompton & Knowles Loom Works. (See Ryon, Eppa H., assignor.)

Crompton & Knowles Loom Works. (See Soderberg, John G., assignor.)

Crow, Shelton A., Glomawr, Ky. Safety brake for cars, etc. 1,462,741; July 24.

Crowell, Frank S., assignor to The Edward N. Riddle Co., Toledo, Ohio. Bracket for lighting fixtures. Des. 62,692; July 24.

Crowell, Frank S., assignor to The Edward N. Riddle Co., Toledo, Ohio. Bracket lantern for lighting fixtures. Des. 62,693; July 24.

Crowell, Frank S., assignor to The Edward N. Riddle Co., Toledo, Ohio. Ceiling lantern for lighting fixtures. Des. 62,694; July 24.

Crowell, Frank S., assignor to The Edward N. Riddle Co., Toledo, Ohio. Arm for lighting fixtures. Des. 62,695; July 24.

Crowell, Frank S., assignor to The Edward N. Riddle Co., Toledo, Ohio. Plate for lighting fixtures. Des. 62,696; July 24.

Crowell, Frank S., assignor to The Edward N. Riddle Co., Toledo, Ohio. Plate for lighting fixtures. Des. 62,697; July 24.

Crowell, Frank S., assignor to The Edward N. Riddle Co., Toledo, Ohio. Top for shade for lighting fixtures. Des. 62,698; July 24.

Crowell, Frank S., assignor to The Edward N. Riddle Co., Toledo, Ohio. Top for shade for lighting fixtures. Des. 62,699; July 24.

Crowell, Frank S., assignor to The Edward N. Riddle Co., Toledo, Ohio. Bracket plate for lighting fixtures. Des. 62,700; July 24.

Crowell, Frank S., assignor to The Edward N. Riddle Co., Toledo, Ohio. Chandelier for lighting fixtures. Des. 62,701; July 24.

Crowell, Frank S., assignor to The Edward N. Riddle Co., Toledo, Ohio. Chandelier for lighting fixtures. Des. 62,702; July 24.

Crowell, Frank S., assignor to The Edward N. Riddle Co., Toledo, Ohio. Plate for lighting fixtures. Des. 62,703; July 24.

Crowell, Frank S., assignor to The Edward N. Riddle Co., Toledo, Ohio. Husk for lighting fixtures. Des. 62,704; July 24.

Culotta, Edward, Richmond Hill, N. Y. Spot trimming for dresses. 1,462,594; July 24.

Culotta, Edward, Richmond Hill, N. Y. Spot trimming for dresses. 1,462,595; July 24.

Cummings Machine Works. (See English, Analdo M., assignor.)

Cutler-Hammer Mfg. Co. (See Barnum, Thomas E., assignor.)

Czeftczick, Max. (See Reed, C. E., and Czefteziek.)

Dahl, Thure E., New York, N. Y. Electric wall bracket. Des. 62,705; July 24.

Dahl, Thure E., New York, N. Y. Bracket back for lighting fixtures. Des. 62,706; July 24.

Dahl, Thure E., New York, N. Y. Body part for lighting fixtures. Des. 62,707; July 24.

Dahl, Thure E., New York, N. Y. Socket cover for lighting fixtures. Des. 62,708; July 24.

Dahl, Thure E., New York, N. Y. Band for lighting fixtures. Des. 62,709; July 24.

Dalton, William H., Salem, Mass. Heating unit. 1,463,005; July 24.

Dardani, Martin E. E., Fairfield, Conn. Gasoline filter. 1,463,006; July 24.

Davis, Charles E., assignor to Goodman Manufacturing Company, Chicago, Ill. Apparatus for handling ore. 1,462,688; July 24.

Davis, Ernest W., Oak Park, Ill., assignor, by mesne assignments, to The Bassick Manufacturing Company. Lubricating system. 1,462,689; July 24.

Davis, James G., Buffalo, N. Y. Mold for making building blocks. 1,463,007; July 24.

Davis, Lewis R., and R. M. Hughes, San Francisco, Calif. Positioning means for pistons. 1,462,742; July 24.

Davis, Martha E., et al. (See Barton, Charles N., assignor.)

Davis Sewing Machine Company, The. (See Pearson, J. W., and Power, assignors.)

Dawson, Arthur T., G. T. Buckham, and C. A. Larsson, Westminster, London, assignors to Vickers Limited, London, England. Automatic gun. 1,462,852; July 24.

Dayton Engineering Laboratories Company, The. (See Hunt, John H., assignor.)

Dayton-Wright Company. (See Baumann, Milton C., assignor.)

Dayton-Wright Company. (See Clark, Virginius E., assignor.)

Dazey Manufacturing Company, The. (See Stuck, William R., assignor.)

Deas, Coon A., assignor to Anderson Motor Company, Rock Hill, S. C. Electrical switch. 1,462,690; July 24.

De Cesare, Matteo, assignor to The Toy Devices, Inc., Newark, N. J. Sound-emission device. 1,463,008; July 24.

Degendorfer, John, San Francisco, Calif. Agricultural fork. 1,462,787; July 24.

Deguide, Camille, Enghien, France. Manufacture of alkali-metal silicates. 1,463,037; July 24.

Dehn, William H., Cleveland, Ohio. Waste control for basins. 1,462,853; July 24.

De Lipski, Nicolas V., assignor of one-half to E. H. Phillips, New York, N. Y. Colored article. 1,462,536; July 24.

De Lipski, Nicolas V., assignor of one-half to E. H. Phillips, New York, N. Y. Changeable scenic effect. 1,462,537; July 24.

De Luca, Peter C., and M. L. Insogna, Dorchester, assignors to Corona Machine Company, Malden, Mass. Fruit crusher. 1,462,801; July 24.

Denison, George W., Bay Village, Ohio. Method of and apparatus for mixing materials. 1,462,485; July 24.

Dent Auto Equipment Company. (See Dent, Herbert A., assignor.)

Dent, Herbert A., assignor to Dent Auto Equipment Company, Chicago, Ill. Automobile radiator cap. Des. 62,711; July 24.

Dery, Joseph E., Edgeley, N. Dak. Grain shocker for harvester binders. 1,462,538; July 24.

Deserty, Alexander S., assignor to A. Aderer, New York, N. Y. Combined shelf and hanger rack. 1,462,803; July 24.

Devey, John, Lehi, Utah. Beet-harvesting machine. 1,462,486; July 24.

De Vry Corporation, The. (See De Vry, Herman A., assignor.)

De Vry, Herman A., assignor to The De Vry Corporation, Chicago, Ill. Mechanism for rewinding films. 1,462,487; July 24.

Dinnin, Evelyn M. (See Barton, Charles N., assignor.)

Domestic Electric Company, The. (See Mace, Arthur T., assignor.)

Dorau, John P., North Fond du Lac, Wis. Ironing board. 1,463,068; July 24.

Dorau, John P., North Fond du Lac, Wis. Foldable ironing board. 1,463,069; July 24.

Dorau, John P., North Fond du Lac, Wis. Foldable ironing board. 1,463,070; July 24.

Dorsch, Frank J., Winona, Minn. Wrench. 1,462,788; July 24.

Dostal, Joseph L., assignor to E. Holley, Detroit, Mich. Lampblack burner. 1,462,691; July 24.

Dotterweich, Edward J., Syracuse, assignor to O. F. Cabana, Buffalo, N. Y. Wheel. 1,462,884; July 24.

Dow, George B. N., and F. P. Ham, Manchester, N. H., assignors to G. J. Clarke, West Hanover, Mass. Anti-skid-chain hook. 1,463,071; July 24.

Draper Corporation. (See Snow, Isaac, assignor.)

Dry-Zero Corporation, The. (See Lindsay, Harvey B., assignor.)

Dryden Rubber Company. (See Beynon, R., and Hintz, assignors.)

Dues, Fred B., Minster, Ohio. Husking rolls. 1,462,539; July 24.

Duffey, Charles E. (See Givens, George N., assignor.)

Du Pont, E. I., de Nemours & Company. (See Audreau, Roland L., assignor.)

Du Pont, E. I., de Nemours & Company. (See Jacobs, Charles B., assignor.)

Du Pont, E. I., de Nemours & Company. (See Ward, William H., assignor.)

Durand Steel Locker Company. (See Vance, Walter N., assignor.)

Durance, Marie R., Utica, N. Y. Cough tablet. Des. 62,712; July 24.

Dye, Glen M., assignor to Pako Corporation, Minneapolis, Minn. Presser-back mechanism for photoprinting machines. 1,463,009; July 24.

Eckhouse, Herbert S., Indianapolis, Ind. Protector for car grain doors and the like. 1,463,010; July 24.

Eclipse Machine Company. (See McGrath, William L., assignor.)

Edler, Eduard, Leipzig-Lindenau, assignor, by mesne assignments, to A. K. Iseler and A. G. W. Iseler, Leipzig-Plagwitz, Germany. Expanding gate valve. 1,462,635; July 24.

Edler, Eduard, Leipzig-Lindenau, assignor, by mesne assignments, to A. K. Iseler and A. G. W. Iseler, Leipzig-Plagwitz, Germany. High-pressure slide stop valve with parallel steam-tight surfaces. 1,462,636; July 24.

Egan, George F. (See Stern, C., and Egan.)

Eisenberg, Solomon, Syracuse, N. Y. Finger ring, bracelet, or article of similar nature. Des. 62,713; July 24.

Ellery, Robert L. (See Jobst, Conrad, assignor.)

Ellison, Edward H., assignor to Monarch Refillable Fuse Co., Jamestown, N. Y. Knife-blade fuse. 1,463,038; July 24.

Emerson, Truell F., Somerville, assignor, by mesne assignments, to Walter M. Lowney Company, Boston, Mass. Counter display container. 1,462,502; July 24.

Empire Stamping Tool & Manufacturing Company. (See Becherer, George, jr., assignor.)

Engelbrecht, Emil P., Chicago, Ill. Slate brick. 1,462,596; July 24.

England, Isaac W., assignor to Passaic Metal Ware Co., Passaic, N. J. Conveyer. 1,463,011; July 24.

English, Analdo M., Brookline, assignor to Cummings Machine Works, Boston, Mass. Sewing-machine attachment for spiral stitching. 1,463,116; July 24.

Engmark, Algott H., Crawfordsville, Ind. Foot rest. 1,462,597; July 24.

Enright, John W., New Orleans, La. Stationary chemical-mixing fire-extinguisher system. 1,463,072; July 24.

Enterprise Portable Oven Co. (See Pawlick, Ignatz H., assignor.)

Erd, Fredric G. (See Rush, Turner C., assignor.)

Erdi, Walter, and A. E. Lange, jr., Milwaukee, Wis. Combined lamp and sound-reproducing device. Des. 62,714; July 24.

Esberg, Clifford N. (See Willison, R. A., and Esberg.)

Evans, Edward J., Briercrest, Saskatchewan, Canada. Sieve. 1,462,804; July 24.

Eyre, John J., Somerville, Mass. Tire-chain carrier. 1,462,789; July 24.

Farberei Weidmann A.-G. (See Hanhart, Karl G., assignor.)

Farmer, Clyde C., Pittsburgh, assignor to The Westinghouse Air Brake Company, Wilmerding, Pa. Triple-valve device. 1,463,039; July 24.

Farrer, John H., Neutral Bay, near Sydney, New South Wales, Australia. Apparatus for the manufacture of horseshoes. 1,463,012; July 24.

Fassett, Francis K., Dayton, Ohio. Door hanger. 1,462,694; July 24.

Federicci, Albert, Paterson, N. J., assignor to H. C. Neuberger, New York, N. Y. Apparatus for molding cement blocks. 1,462,569; July 24.

Felten, Abram V., assignor to The New England Metal Barrel Corporation, Danbury, Conn. Machine for shaping cylinders. 1,463,073; July 24.

Fennell, Thomas. (See Shockey, H. C., and Fennell.)

Fenselau, Frederick, and G. W. Thompson, Detroit, Mich. Washing machine. 1,462,854; July 24.

Festa, Alfred, Paris, France. Furnace. 1,462,540; July 24.

Fetner, Stephen R., Albany, Ga. Sash fastener. 1,462,637; July 24.

Finckbein, Adolf. (See Rüdenberg, R., and Finckbein.)

Fine, Lewis, assignor, by mesne assignments, to Budd Wheel Company, Philadelphia, Pa. Metal wheel. 1,462,957; July 24.

Fink, William B., New York, N. Y. Sign holder. 1,462,790; July 24.

Finley, Sam E., Atlanta, Ga. Treating roadways. 1,462,902; July 24.

Finley, Sam E., Atlanta, Ga. Apparatus for applying binding media to road surfaces. 1,462,903; July 24.

Finley, Sam E., Atlanta, Ga. Preparing bituminous cement-aggregate composition. 1,462,904; July 24.

Firestone Tire and Rubber Company, The. (See Stevens, William C., assignor.)

Fischer, Joseph C., Milwaukee, Wis. Germicide receptacle and cover. 1,462,693; July 24.

Fisher Body Corporation. (See Schmidt, Albert, assignor.)

Fisk Rubber Company, The. (See Marquette, Melvon A., assignor.)

Fisk Rubber Company, The. (See Taylor, Edward C., assignor.)

Fitch, Ellery R., St. Louis, Mo., assignor to The Westinghouse Air Brake Company, Wilmerding, Pa. Door and brake control device. 1,463,040; July 24.

Flagg, Edwin H., Los Angeles, Calif. Curtain, drapery, and the like. 1,463,013; July 24.

Flagg, Edwin H., Los Angeles, Calif. Making curtains, draperies, and the like. 1,463,014; July 24.

Flagler, T. T. (See Lowndes, George S., jr., assignor.)

Fleischauer, Fred, New Milford, N. J., assignor to New York Lighting Fixture Manufacturing Co., New York, N. Y. Chandelier for lighting fixtures. Des. 62,715; July 24.

Fleron, Louis H., Trenton, N. J. Dial-revolving device. 1,462,571; July 24.

Fluor, John S., Santa Ana, Calif. Wall and making same. 1,462,934; July 24.

Foglia, Decimo. (See Sartore, Laurence, assignor.)

Fox, Charles A., New York, N. Y. Box. 1,463,074; July 24.

Freddy, August. (See Maimin, H., and Freddy.)

Freeman, Dudley, Roxbury, assignor to Panther Rubber Manufacturing Company, Stoughton, Mass. Sole or tap. Des. 62,716; July 24.

Freeman, Dudley, Roxbury, assignor to Panther Rubber Manufacturing Company, Stoughton, Mass. Shoe heel. Des. 62,717; July 24.

Friedman, Samuel, Brooklyn, N. Y. Fur softening and cleaning machine. 1,463,075; July 24.

Friedman, Samuel, Brooklyn, N. Y. Fleshing machine. 1,463,076; July 24.

Frost, John B., Buckley, Wash. Smoking pipe. 1,462,905; July 24.

Fuchs, Emil, assignor to Cartier, Inc., New York, N. Y. Spoon or similar article. Des. 62,718; July 24.

Fuller Brush Company, The. (See Hines, William J., assignor.)

Gabrielson, Carl, Syracuse, assignor to Newell Manufacturing Company, Ogdensburg, N. Y. Machine for bending pipe. 1,462,935; July 24.

Gallagher, Richard D., Bay St. Louis, Miss. Portable bridge. 1,462,541; July 24.

Gallaway, Perry C., De Queen, Ark. Yoke for cattle. 1,462,743; July 24.

Gandell, William R. K., London, England. Spanner. 1,463,077; July 24.

Garvey, James F., Lincoln, Nebr. Attachment for motor vehicles. 1,462,744; July 24.

Gaston, Alpheus D., Austin, Tex. Automobile light-dimmer switch. 1,462,791; July 24.

Gelatt, Philo M., La Crosse, Wis. Pressure gauge. 1,462,570; July 24.

General Automatic Scale Company. (See Schaper, Harry C., assignor.)

General Electric Company. (See Batchelder, Asa A., assignor.)

General Electric Company. (See Bowman, Francis H., assignor.)

General Electric Company. (See Guay, Emile J., assignor.)

General Electric Company. (See Hunt, Louis J., assignor.)

General Electric Company. (See Junggren, Oscar, assignor.)

George, Charles L., assignor to The Buckeye Traction Ditcher Company, Findlay, Ohio. Sloping-bank-cutting attachment. 1,462,488; July 24.

Gerleman, Oscar W., St. Louis, Mo. Treating pistons, piston rings, and cylinders, and specially-prepared piston rings. 1,462,855; July 24.

Gibson, Oliver E., assignor to Potts Manufacturing Company, Mechanicsburg, Pa. Lock. 1,462,805; July 24.

Gibson, Oliver E., assignor to Potts Manufacturing Company, Mechanicsburg, Pa. Door. 1,462,806; July 24.

Giebel, Henry, assignor to Thomas Wilson & Co. Inc., New York, N. Y. Lace. Des. 62,719; July 24.

Gill, Charles H., Chicago, Ill. Speed-controlling mechanism. 1,462,807; July 24.

Gill, Charles H., Chicago, Ill. Machine-control mechanism. 1,462,808; July 24.

Gill, Charles H., Chicago, Ill. Self-adjusting transmission mechanism. 1,462,809; July 24.

Gill, Charles H., Chicago, Ill. Automatic crank transmission mechanism. 1,462,810; July 24.

Gilmore, Alfred R., and G. R. Carson, Red Rock, Pa. Trap. 1,463,117; July 24.

Gilmore, Ronald F., and W. G. Johannsen, Algona, Iowa. Beet harvester. 1,463,078; July 24.

Gilmour, Robert, and E. E. Cook, Pawtucket, R. I. Gas-pressure regulator. 1,462,958; July 24.

Ginger, Henry, Hertfordshire, England. Gas burner. 1,462,756; July 24.

Givens, George N., assignor of two-fifths to C. E. Duffey, Colfax, La. Means for automatically opening doors or gates. 1,463,079; July 24.

Globe-Wernicke Company, The. (See Ringler, William A., assignor.)

Glover, William S. C., London, England. Advertising device. 1,462,745; July 24.

Gobay, Sidney H. (See Wile, R. S., and Gobay.)

Goebel, Boyd W., Jonesville, S. C., Convertible chair. 1,462,959; July 24.

Goldstein, Bernard, Toronto, Ontario, Canada. Pencil. Des. 62,720; July 24.

Goodell-Pratt Company. (See Hapgood, Oscar D., assignor.)

Goodman Manufacturing Company. (See Davis, Charles E., assignor.)

Goodwin, Yuba T., East Dedham, Mass. Statuette. Des. 62,721; July 24.

Gorman, Eugene J. B. (See Cowden, A. R., and Gorman.)

Gorrell, William R., and H. Barkschat, Los Angeles, Calif. Rail chair. 1,463,118; July 24.

Gougler, Clyde J., Tulsa, Okla. Reenforcing structure for derricks. 1,462,746; July 24.

Gould, Loran J., Acme, Wash. Means for utilizing power of automobiles. 1,462,936; July 24.

Graeff, Walter L., assignor to G. A. Reach, Philadelphia, Pa. Support for use in packing baseball gloves for shipment. 1,462,906; July 24.

Graf, Christopher, assignor to R. Graf, South Bend, Ind. Photographic objective. 1,463,132; July 24.

Graf, Richard. (See Graf, Christopher, assignor.)

Grant, Helen M. W., administratrix. (See Grant, William W.)

Grant, William W., deceased, Brooklyn, N. Y.; H. M. W. Grant, administratrix. Fuel-mixture heating and vaporizing device. 1,463,133; July 24.

Gravell, James H., Elkins Park, Pa., assignor to Thomson Electric Welding Company, Boston, Mass. Condensing welding circuit. 1,462,572; July 24.

Gray, Forest L., Kenmore, Ohio. Hair clipper. Re15,660; July 24.

Gray, Frances, Wilkinsburg, Pa. Typewriter attachment. 1,463,080; July 24.

Green, A. P., Fire Brick Company. (See Liptak, Michael, assignor.)

Green, John W., Columbus, Ohio. Fuel saver. 1,462,503; July 24.

Greening, Charles W. (See Greening, Clarence L. and C. W.)

Greening, Clarence L., and C. W., Breckenridge, Mich. Beet-topping mechanism. 1,462,907; July 24.

Greening, Clarence L. and C. W., Breckenridge, Mich. Beet harvester. 1,462,908; July 24.

Greenwood, Levi H., et al., trustees. (See Lloyd, Marshall B., assignor.)

Grenzke, Otto C., Detroit, Mich. Bottle-washing machine. 1,462,598; July 24.

Grigsby, Bertram J., Chicago, Ill. Electric fuse. 1,462,489; July 24.

Gruetter, John R. (See Loew, C. H., and Gruetter.)

Gschwind, Leon, Youngstown, Ohio. Ironing machine. 1,462,757; July 24.

Guay, Emile J., Lynn, Mass., assignor to General Electric Company. Actuating device and making the same. 1,463,015; July 24.

Guenther, Arthur G. G., assignor to Signode System Inc., Chicago, Ill. Machine for applying box straps. 1,462,960; July 24.

Guiba, Stanley F., Shamokin, Pa. Rotary nozzle brush. 1,462,909; July 24.

Hackett, William J., Reno, and F. T. Abbay, Hazen, Nev. Automobile spring equalizer and shock absorber. 1,462,638; July 24.

Hadley, Frederick V., Needham, S. Barnaby, Auburndale, and J. O. Clarke, Forest Hills, Mass. Vaporizer. 1,462,504; July 24.

Hagaman, Mamie, Perth Amboy, N. J. Washtub. 1,462,573; July 24.

Hagan Corporation, The. (See Brown, Francis H., assignor.)

Hagstrom, Joseph E., Chicago, Ill. Valveless air hammer. 1,462,961; July 24.

Haight, Harry V., Sherbrooke, Quebec, Canada, assignor to Ingersoll-Rand Company, Jersey City, N. J. Shank and bit punch. 1,463,134; July 24.

Haines, Jones & Cadbury Incorporated. (See Muend, Charles J., assignor.)

Hainlen, George, Philadelphia, Pa. Bumper for automobiles. 1,462,910; July 24.

Hall, Harry G., Cottonwood, Ariz. Cement. 1,462,747; July 24.

Hall, Robert K., Denver, Colo. Collapsible spout for cans. 1,462,749; July 24.

Ham, Frank P. (See Dow, G. R. N., and Ham.)

Hamblet, Abel M. (See Bush, H. L., and Hamblet.)

Hamel Shoe Machinery Company. (See Hart, Thomas F., assignor.)

Hamel Shoe Machinery Company. (See Reardon, Fred A., assignor.)

Hamel Shoe Machinery Company. (See Valois, Félix E., assignor.)

Hammond, William A., San Francisco, Calif. Rack. 1,462,542; July 24.

Hancock, Abram O., Richmond, Va. Headrest. 1,463,081; July 24.

Hanes, Jarnett E., Alma, Ill. Axle straightener. 1,463,082; July 24.

Hanhart, Karl G., Rüschlikon, assignor to Farberei Weidmann A.-G., Thalwil, Switzerland. Vessel. 1,462,543; July 24.

Hansen, Theodore C., Chicago, Ill. Routing machine. 1,462,962; July 24.

Hanson, Adolf K., Chicago, Ill. Washing machine. 1,462,911; July 24.

Harson, Charles C., and J. Twardowsky, assignors, by mesne assignments, to Universe Corporation, Chicago, Ill. Compressor. 1,462,695; July 24.

Hanson, Charles C., and J. Twardowsky, assignors, by mesne assignments, to Universe Corporation, Chicago, Ill. Expansion valve. 1,462,696; July 24.

Hapgood, Oscar D., Montague, assignor to Goodell-Pratt Company, Greenfield, Mass. Tool. 1,462,963; July 24.

Harrington, William H., assignor to The Arrow Electric Company, Hartford, Conn. Attachment plug. Des. 62,722; July 24.

Harrison, William H. (See Toomey, J. F., and Harrison.)

Hart, Frederick A., New Britain, Conn., assignor to Remington Typewriter Company, Ilion, N. Y. Typewriting machine. 1,462,697; July 24.

Hart, George M., Des Moines, Iowa. Fuel-mixing device. 1,462,750; July 24.

Hart, Thomas F., Lynn, Mass., assignor to Hamel Shoe Machinery Company, Lynn, Mass. Rib tighteners for Gem innersoles. 1,462,792; July 24.

Hartman, Arthur A., and W. C. Schwarzbach, Janesville, Wis. Portable table. 1,462,856; July 24.

Hartman, Milton, assignor to Localized Advertising Corporation, Detroit, Mich. Seal for folders. 1,463,083; July 24.

Hartson, Bert E. (See Kirby, J. M., and Hartson.)

Hauenstein, Julius, Jersey City, N. J. Door-closing device. 1,462,544; July 24.

Haughey, Rodger F., McKeesport, Pa. Pipe coupling. 1,462,698; July 24.

Hawes, William L., Burbank, Calif. Float-controlled valve. 1,462,599; July 24.

Hawkins, Archie W., assignor to Simmons Hardware Company, St. Louis County, Mo. Saddle. 1,462,885; July 24.

Hayes, Denis, Limerick, Ireland. Means for measuring or marking off the sizes of half soles of boots and shoes. 1,462,699; July 24.

Heard, John, Strathroy, Ontario, Canada. Screen-door clip. 1,463,119; July 24.

Heckman, John A. (See Heckman, William and J. A.)

Heckman Signal Company, The. (See Heckman, William, and J. A., assignors.)

Heckman, William and J. A., Denver, Colo., assignors to The Heckman Signal Company. Automobile signal. Des. 62,723; July 24.

Heenan & Froude, Limited. (See Walker, George H., assignor.)

Hess, Abraham L., Hesston, Kans. Separable fastener. 1,462,964; July 24.

Hess, Edward B., Manhattan Beach, assignor to Royal Typewriter Company, Inc., New York, N. Y. Typewriting machine. 1,462,912; July 24.

Hess, Edward B., Manhattan Beach, assignor to Royal Typewriter Company, Inc., New York, N. Y. Typewriting machine. 1,462,913; July 24.

Helbig, Walter, Queens, N. Y. Lace. Des. 62,724; July 24.

Hele-Shaw, Henry S., London, England. Hydraulic clutch or coupler. 1,462,600; July 24.

Hemelstrand, Walter R., Edison, Nebr. Hog trough. 1,462,793; July 24.

Henderson, Douglas, Dallas, Tex. Ice tongs. 1,462,758; July 24.

Henke, Frank, et al. (See McAllister, Frederick J., assignor.)

Higgin, Henry, assignor to The Higgin Manufacturing Company, Newport, Ky. Windshield attachment for automobiles. 1,462,545; July 24.

Higgin Manufacturing Company, The. (See Higgin, Henry, assignor.)

Hill, David, Leicester, England. Heel for boots and shoes. Des. 62,725; July 24.
Hiller, Nicolai H., Carbondale, Pa. Valve block for compressor pumps. 1,462,857; July 24.
Hillmann, Hans, assignor to Illinois Glass Company, Alton, Ill. Bottle-handling device. 1,462,546; July 24.
Hillmer, Max L., Detroit, Mich., assignor to The Remy Electric Company. Cover and cover-securing means. 1,463,147; July 24.
Hines, William J., assignor to The Fuller Brush Company, Hartford, Conn. Brush holder. Des. 62,726; July 24.
Hinkle, Charles W., Rushville, Ind. Gate hinge. 1,462,759; July 24.
Hintz, John C. (See Beynon, R., and Hintz.)
Hodnefield, Olaus T., Los Angeles, Calif. Ring. Des. 62,727; July 24.
Hoffman, Rudolph, Kankakee, assignor to Sears, Roebuck and Co., Chicago, Ill. Sheet-metal reservoir and making the same. 1,462,640; July 24.
Hogan, Michael J., Chicago, Ill. Interchangeable-character construction. 1,462,547; July 24.
Hohmann, Hugo, Kopenick, near Berlin, Germany. Sealing-wax candle. 1,462,601; July 24.
Hollberg, Leo C., et al. (See Smith, David K., assignor.)
Holley, Earl. (See Dostal, Joseph L., assignor.)
Holman, William E., et al., trustees. (See Lloyd, Marshall B., assignor.)
Holmes, Bradford B., U. S. Army. Spring wheel. 1,463,135; July 24.
Holmes, Elbridge R., assignor to Crompton & Knowles Loom Works, Worcester, Mass. Warp stop motion. 1,462,548; July 24.
Holmes, Elbridge R., assignor to Crompton & Knowles Loom Works, Worcester, Mass. Narrow-ware loom. 1,462,549; July 24.
Holton, Birchard E., Los Angeles, Calif. Pressure-regulating valve. 1,462,937; July 24.
Holway, Arthur W., Los Angeles, Calif. Timer. 1,462,700; July 24.
Home Comfort Heater Co., The. (See Kreutzer, Theodor E., assignor.)
Hoover Company. (See Case, Francis, M., assignor.)
Hoover Company, The. (See Hoover, Howard E., assignor.)
Hoover, Howard E., Chicago, Ill., assignor, by mesne assignments, to The Hoover Company, North Canton, Ohio. Suction sweeper. 1,462,574; July 24.
Hoover, Howard E., Chicago, Ill., assignor, by mesne assignments, to The Hoover Company, North Canton, Ohio. Suction-cleaner attachment. 1,462,575; July 24.
Hopkinson, Ernest, New York, N. Y., and A. E. Jury, Rutherford, N. J.; said Jury assignor to Morgan & Wright. Apparatus for the production of weftless rubberized cord fabric. 1,462,858; July 24.
Hoppe, Charles H., Devils Lake, N. Dak. Boiler-scale remover. 1,462,550; July 24.
Houseman, Wilbur L., assignor to Standard Machine Company, Philadelphia, Pa. Circular-knitting machine. 1,462,551; July 24.
Hudson, Donald M., Bend, Oreg. Repair device for fishing rods. 1,463,084; July 24.
Huestis, Thomas B., assignor to National India Rubber Company, Bristol, R. I. Stitching machine for joining rubber. 1,462,859; July 24.
Hughes, Robert M. (See Davis, L. R., and Hughes.)
Huise, William H., Brooklyn, assignor to Underwood Typewriter Company, New York, N. Y. Typewriting machine. 1,462,886; July 24.
Humberger, Alonzo, Chicago, Ill. Washing machine. 1,463,016; July 24.
Hundley, James, assignor to New Process Iron and Steel Company, Noblesville, Ind. Steel-heating furnace. 1,462,639; July 24.
Hungerbühler, Oscar J., Far Rockaway, and C. Schopper, New York, N. Y. Hair-waving device. 1,463,085; July 24.
Hunt, Homer, Hartford, Conn. Ladder attachment. 1,462,505; July 24.
Hunt, John H., Dayton, Ohio, assignor to The Dayton Engineering Laboratories Company. Ignition timer. 1,462,860; July 24.
Hunt, Louis J., London, England, assignor to General Electric Company, Schenectady, N. Y. Dynamo-electric machine adapted for synchronous working. 1,463,017; July 24.
Huntington, Frederick T., North Bennington, Vt. Poultry feed box. 1,462,751; July 24.
Huntoon, Charles F., Chicago, Ill. Machine for assembling trusses. 1,462,552; July 24.
Hurd, Benjamin W., assignor to Turbine Fuel Oil Burner Co., San Francisco, Calif. Ball bearing. 1,462,965; July 24.

Ideal Stitcher & Manufacturing Company. (See Baumann, Gottfried P., assignor.)
Illingworth Carbonization Company. (See Illingworth, Stewart R., assignor.)
Illingworth, Stewart R., Brynfedwen, England, assignor to Illingworth Carbonization Company, Limited, Manchester, England. Coking of coal. 1,462,576; July 24.
Illinois Glass Company. (See Hillmann, Hans, assignor.)
Ingersoll-Rand Company. (See Haight, Harry V., assignor.)
Ingersoll-Rand Company. (See Slater, Fred M., assignor.)
Insogna, Matthew L. (See De Luca, P. C., and Insogna.)
Interlocking Metal Forms. (See Neuberger, Henry C., assignor.)
International Signal Co. (See Webb, Jean F., jr., assignor.)
Iseler, Albert G. W., et al. (See Edler, Eduard, assignor.)
Iseler, Albert K., et al. (See Edler, Eduard, assignor.)

Jackson, Harry R., and H. A. May, Chicago, Ill. Gas distributing and governing valve. 1,462,641; July 24.
Jackson, Theodore K., Mobile, Ala. Vehicle handhold. 1,462,914; July 24.
Jacobs, Charles E., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Carbon catalyst. 1,462,752; July 24.
Jamieson, Samuel B., Marathon, N. Y. Portable reversible grade hone or road leveler. 1,462,577; July 24.
Jeffries, Dudly W., Springfield, Mo. Combined rail joint and nut lock. 1,462,506; July 24.
Jenner, Percy, assignor to The Palm Brothers Company, New York, N. Y. Plate or similar article. Des. 62,728; July 24.
Jenner, Percy, assignor to The Palm Brothers Company, New York, N. Y. Plate or similar article. Des. 62,729; July 24.
Jenner, Percy, assignor to The Palm Brothers Company, New York, N. Y. Plate or similar article. Des. 62,730; July 24.
Jennings, William H., assignor of one-half to L. Levy, St. Paul, Minn. Road plane. 1,463,120; July 24.
Jerome, Inez S., Chicago, Ill. Brassière. 1,462,966; July 24.
Jobst, Conrad, assignor to R. L. Ellery, Toledo, Ohio. Method and means for truing chaser bars. 1,462,701; July 24.
Johannsen, William G. (See Gilmore, R. F., and Johannsen.)
Johnson, Arthur J., St. Paul, Minn., assignor to Standard Conveyor Company. Emergency controller for elevators. 1,462,507; July 24.
Johnson, Charles J., Canton, Ohio. Emergency drum for automobiles. 1,462,811; July 24.
Johnson, Ewald E., St. Charles, Ill. Brace. 1,462,702; July 24.
Johnson, John F. (See Patterson, Warren C., assignor.)
Johnson, Oscar L., Proctor, Vt., assignor to Vermont Marble Company. Gang-saw frame. 1,462,553; July 24.
Johnston, George W., Washington, D. C. Window screen. 1,463,121; July 24.
Jones, Harry, Suffern, N. Y., assignor to The American Brake Shoe & Foundry Company, Wilmington, Del. Brake shoe. 1,462,967; July 24.
Jones, Richard G., assignor to Brown Process Company, Los Angeles, Calif. Preventing emulsification of oil discharging from oil wells. 1,462,748; July 24.
Jones, Walter S., Orwood, Calif. Electric water heater. 1,462,703; July 24.
Jordan, John M., deceased, Summit, Ga.; T. M. Jordan, administrator. Plant-vermin-exterminating structure. 1,462,861; July 24.
Jordan, T. M., administrator. (See Jordan, John M.)
Jordan, Will J. (See Petrea, F. K., and Jordan.)
Junggren, Oscar, Schenectady, N. Y., assignor to General Electric Company. Shaft bearing. 1,463,018; July 24.
Junkers, Hugo, Aachen-Frankenburg, Germany. Flying-machine supporting surface. 1,462,704; July 24.
Jury, Alfred E. (See Hopkinson, E., and Jury.)

K. F. & C. Tire & Rubber Corporation. (See Krusemark, Frederick A., assignor.)
Kälin, Josef, Oberwinterthur, Switzerland. Element for wainscoting. 1,463,041; July 24.
Karst, Joseph P. and O. J., St. Louis, Mo. Transportation package for graphophone records. 1,462,642; July 24.
Karst, Oliver J. (See Karst, Joseph P. and O. J.)
Kashinsky, John, assignor to New Jersey Can Company, Weehawken, N. J. Receptacles. 1,462,578; July 24.
Keczur, Jozefa, West Selkirk, Manitoba, Canada. Combination chipped-glass frame and mirror. Des. 62,731; July 24.
Keczur, Jozefa, West Selkirk, Manitoba, Canada. Combination colored chipped-glass frame and mirror. Des. 62,732; July 24.
Keller, George J., Newark, N. J. Watchcase. Des. 62,733; July 24.
Kelly, Jack D., Elmhurst, N. Y. Waterproof carrying case. 1,463,086; July 24.
Ketterer, Charles A., East St. Louis, Ill. Refrigerator. 1,462,968; July 24.
Keyworth, George A., et al., trustees. (See Lloyd, Marshall B., assignor.)
Kinnard, Frank M., assignor of one-half to C. L. Sebring, Sebring, Ohio. Batter. 1,462,812; July 24.
Kinsman, Charles F. (See Roth, Louis, assignor.)
Kirby, Joseph M., and B. E. Hartson, Boulder, Colo. Gas generator. 1,462,705; July 24.
Kirschner, John G., et al. (See Smith, David K., assignor.)
Klein, Benjamin F. (See Pfleager, Roscoe C., assignor.)
Kleinfield, Irving L., Brooklyn, N. Y. Electric-lamp stand. Des. 62,734; July 24.

Kleinschmidt, Edward E., Brooklyn, N. Y., assignor to The Kleinschmidt Electric Company. Method of and apparatus for operating printing telegraphs. 1,463,136; July 24.
Kleinschmidt Electric Company. (See Kleinschmidt, Edward E., assignor.)
Kline, Charles R., Reading, Pa. Combination boiler. 1,462,862; July 24.
Knapp, Floyd E., Allerton, Iowa. Combined gear and thrust bearing. 1,462,938; July 24.
Knowlton, Charles E., North Grafton, and E. H. Ryon, Waltham, assignors to Crompton & Knowles Loom Works, Worcester, Mass. Weft-detector mechanism. 1,462,554; July 24.
Koblinsky, Ignatius F., Saginaw, Mich. Modeling dress form. 1,462,555; July 24.
Kohlmeier, Gust, Manitowoc, Wis. Cheese press. 1,462,863; July 24.
Koss, William E., Evanston, assignor to F. A. Brown, Wilmette, Ill. Cap for receptacles. 1,463,145; July 24.
Kreutzer, Theodor E., assignor to The Home Comfort Heater Co., Philadelphia, Pa. Gas heater for furnaces, stoves, or apartments. 1,462,643; July 24.
Krick, Daniel A., Chicago, Ill. Combination tail light and signaling device. 1,462,969; July 24.
Kropp, Charles A., River Forest, assignor of one-third to A. Nordstrom, Berwyn, and one-third to R. A. Kropp, River Forest, Ill. Die mounting. 1,462,556; July 24.
Kropp, Roy A., et al. (See Kropp, Charles A., assignor.)
Krusemark, Frederick A., assignor to K. F. & C. Tire & Rubber Corporation, Roanoke, Va. Cushion tire. 1,462,760; July 24.
Krysiak, John, Four Corners, Wyo. Motor sleigh. 1,463,042; July 24.
Kuenzel, Charles A., jr., Bloomfield, Nebr. Blower or suction fan. 1,462,557; July 24.
Kugler, Benjamin, Chicago, Ill. Locked anchorage for window-cleaners' harness. 1,462,761; July 24.
Kumpunen, Helen, Rye, N. Y. Mop holder. 1,462,794; July 24.
Kurtz, Joseph J., Shamokin, Pa. Buffer check for loom pickers. 1,462,508; July 24.
Kyff, Cornelius, et al. (See Bohock, Joseph J., assignor.)

Labus, Otto A., Wisconsin Rapids, and C. H. Peth, Wausau; said Labus assignor to American Carbonic Machinery Company, Wisconsin Rapids, Wis. Chocolate mixing and melting machine. 1,462,602; July 24.
Ladd, Donald H., Torrance, Calif. Ignition wiring and conductor for internal-combustion engines. 1,462,706; July 24.
Lagasse, Joseph N., Hyner, Pa. Link. 1,463,043; July 24.
Lagerstrom, Anthony F., Chicago, Ill. Window fastener. 1,462,762; July 24.
Lancaster, George W., assignor to Perfected Window Company, Richmond, Va. Window sash, screen sash, and shutter and window frame therefor. 1,462,644; July 24.
Lancaster, George W., assignor to Perfected Window Company, Richmond, Va. Counterbalancing sashes for stationary window casements. 1,462,645; July 24.
Lancaster, George W., assignor to Perfected Window Company, Richmond, Va. Plurality of counterbalancing sashes for windows. 1,462,646; July 24.
Lancaster, George W., assignor to Perfected Window Company, Richmond, Va. Counterbalancing sashes for various metal and other casements. 1,462,647; July 24.
Lang, Martin M., Brooklyn, N. Y. Check-writing fountain pen. 1,462,864; July 24.
Lange, Arthur E., jr. (See Ernl, W., and Lange.)
Langenegger, John, West New York, N. J., assignor to Blanck & Co., Inc., New York, N. Y. Lace. Des. 62,735; July 24.
Langlumé, George, and E. J. Ybarzabal, New Orleans, La. Mechanical racing course. 1,462,560; July 24.
Larsson, Carl A. (See Dawson, A. T., Buckham, and Larsson.)
Latham Machinery Company. (See Leschhorn, Ernest, assignor.)
Lathrop, Harry D., Chicago, Ill. Sprayer. 1,462,970; July 24.
Lavalle, Charles F., Newmarket, N. H. Loom. 1,462,603; July 24.
Lavalle, Charles F., Newmarket, N. H. Tension regulator for selvage spools. 1,462,604; July 24.
Lawlor, James M., Topeka, Kans. Sawhorse. 1,462,707; July 24.
Layne, Mahlon E., Houston, Tex. Movable power unit. 1,462,708; July 24.
Leane, Sidney A., Farrell's Flat, South Australia, Australia. Container for matches. 1,462,971; July 24.
Le Cocq, Frank and I., Aberdeen, S. Dak. Cylindrical structure and block thereof. 1,462,605; July 24.
Le Cocq, Irwin. (See Le Cocq, Frank and I.)
L'Ecuyer, Romulus A., Chicago, and L. S. Marks, Oak Park, Ill. Holder for lighting fixtures. 1,462,692; July 24.
Lees-Bradner Company, The. (See Schurr, Charles H., assignor.)
Leffler, John F., Pittsburgh, Pa. Safety razor. 1,462,558; July 24.
Lemon, Alfred B., Providence, R. I. Charm. Des. 62,736; July 24.
Leon, Peter E., New York, N. Y. Medallion, emblem, button, or similar article. Des. 62,737; July 24.
Leschhorn, Ernest, Chicago, Ill., assignor to Latham Machinery Company. Paper-punching press. 1,462,559; July 24.
Levy, Charles M., New York, N. Y. Bracelet. Des. 62,738; July 24.
Levy, Leo. (See Jennings, William H., assignor.)
Lewandowski, Bruno, Los Angeles, Calif. Air-cushion bumper for motor vehicles. 1,462,561; July 24.
Lewis, Isaac N., Montclair, N. J. Cartridge magazine. 1,462,972; July 24.
Leydekkers, Wilhelmus H., and W. O. Ruddle, London, England. Roller-blind advertising device. 1,463,087; July 24.
Library Bureau. (See Ohnstrand, Enoch, assignor.)
Lieckfelt, Ernest F., Detroit, Mich. Resilient wheel. 1,462,865; July 24.
Lindsay, Harvey B., assignor to The Dry-Zero Corporation, Oakland, Calif. Insulating wall. 1,462,648; July 24.
Liptak, Michael, St. Paul, Minn., assignor to A. P. Green Fire Brick Company, Mexico, Mo. Furnace wall. 1,463,044; July 24.
Liptak, Michael, St. Paul, Minn., assignor to A. P. Green Fire Brick Company, Mexico, Mo. Furnace-wall structure. 1,463,045; July 24.
Liptak, Michael, St. Paul, Minn., assignor to A. P. Green Fire Brick Company, Mexico, Mo. Furnace wall. 1,463,046; July 24.
Liptak, Michael, St. Paul, Minn., assignor to A. P. Green Fire Brick Company, Mexico, Mo. Furnace wall. 1,463,047; July 24.
Liptak, Michael, St. Paul, Minn., assignor to A. P. Green Fire Brick Company, Mexico, Mo. Furnace wall. 1,463,048; July 24.
Liptak, Michael, St. Paul, Minn., assignor to A. P. Green Fire Brick Company, Mexico, Mo. Furnace wall. 1,463,049; July 24.
Liptak, Michael, St. Paul, Minn., assignor to A. P. Green Fire Brick Company, Mexico, Mo. Furnace wall. 1,463,050; July 24.
Liptak, Michael, St. Paul, Minn., assignor to A. P. Green Fire Brick Company, Mexico, Mo. Partition wall for furnaces. 1,463,051; July 24.
Liptak, Michael, St. Paul, Minn., assignor to A. P. Green Fire Brick Company, Mexico, Mo. Furnace wall. 1,463,052; July 24.
Liptak, Michael, St. Paul, Minn., assignor to A. P. Green Fire Brick Company, Mexico, Mo. Furnace wall. 1,463,053; July 24.
Liptak, Michael, St. Paul, Minn., assignor to A. P. Green Fire Brick Company, Mexico, Mo. Furnace wall. 1,463,054; July 24.
Liptak, Michael, St. Paul, Minn., assignor to A. P. Green Fire Brick Company, Mexico, Mo. Furnace wall. 1,463,055; July 24.
Liptak, Michael, St. Paul, Minn., assignor to A. P. Green Fire Brick Company, Mexico, Mo. Furnace wall. 1,463,056; July 24.
Liptak, Michael, St. Paul, Minn., assignor to A. P. Green Fire Brick Company, Mexico, Mo. Furnace wall. 1,463,057; July 24.
Liptak, Michael, St. Paul, Minn. Furnace wall. 1,463,058; July 24.
List, Frank X., New York, N. Y. Secure collar button. 1,462,509; July 24.
Lister, Charles H., North St. Paul, Minn., assignor to Standard Conveyor Company. Reciprocating conveyer. 1,462,510; July 24.
Lister, Charles H., North St. Paul, Minn. Reciprocating conveyer system. 1,462,511; July 24.
Little, Arthur D., Inc. (See Murray, Wallace J., assignor.)
Lloyd, Marshall B., Menominee, Mich., assignor, by mesne assignments, to L. H. Greenwood, G. A. Keyworth, Gardner, Mass., and W. E. Holman, Leominster, Mass., trustees. Producing reedlike articles. 1,462,709; July 24.
Lloyd, Marshall B., Menominee, Mich., assignor, by mesne assignments, to L. H. Greenwood, G. A. Keyworth, Gardner, Mass., and W. E. Holman, Leominster, Mass., trustees. Producing reed articles. 1,462,710; July 24.
Localized Advertising Corporation. (See Hartman, Milton, assignor.)
Loew, Charles H., and J. R. Gruetter, Lakewood, Ohio. Bottle-cleaning apparatus. 1,462,512; July 24.
Logan, William B., De Quincy, assignor to Acme Products Company, Inc., New Orleans, La. Making turpentine substitute and product therefrom. 1,463,122; July 24.
Lombard, Nathaniel, assignor to The Lombard-White Company, Worcester, Mass. Wringer and motor support for washing machines. 1,462,939; July 24.
Lombard-White Company, The. (See Lombard, Nathaniel, assignor.)
Loveman, William R., assignor to The Bridgeport Metal Goods Manufacturing Company, Bridgeport, Conn. Electric battery. 1,462,795; July 24.
Lover, William E., Findlay, Ohio. Novelty envelope. 1,462,513; July 24.
Lovett, Michael V., Castanea, Pa. Entrance for hives. 1,462,711; July 24.

Lowe, Edward L., Palo Alto, Calif. Burning fuel oil in internal-combustion engines. 1,462,514; July 24.
Lowndes, George S., jr., assignor of one-half to T. T. Flagler, Atlanta, Ga. Timepiece holder. 1,462,915; July 24.
Lowney, Walter M., Company. (See Emerson, Truell F., assignor.)
Ludeman, Oscar H., Glen Ridge, N. J. Temperature alarm. 1,462,887; July 24.
Lux, Edward, San Diego, Calif. Clamping bolt for tire molds. 1,462,712; July 24.
Lynch, Francis J., Bloomfield, N. J. Receptacle. 1,463,088; July 24.

McAdam, Dunlap J., jr., Annapolis, Md., assignor to Tinius Olsen Testing Machine Company, Philadelphia, Pa. Impact-testing machine. 1,462,813; July 24.
McAllister, Fredrick J., Elyria, Ohio, assignor of one-eighth to A. E. Simmons and one-eighth to F. Henke, Elyria, Ohio. Building-material composition. 1,463,123; July 24.
McConnell, Duncan A. (See Coughlin, Joseph D., assignor.)
McConnell, John J., Rockford, Ill. Baking frame. 1,463,124; July 24.
McCrone, Robert A., Denver, Colo. Egg separator. 1,462,606; July 24.
McElroy, Elizabeth, Jacksonville, Fla. Hospital gown. 1,462,515; July 24.
McGill Metal Products Company. (See Beck, Albert, assignor.)
McGrath, William L., assignor to Eclipse Machine Company, Elmira, N. Y. Engine starter. 1,462,973; July 24.
McKenzie, Charles L. (See Taylor, Robert L., assignor.)
McKinley, Andrew B., Louisville, Ky., assignor to Continental Car Company of America. Dump body. 1,462,814; July 24.

Macé, Arthur T., East Cleveland, assignor to The Domestic Electric Company, Cleveland, Ohio. Motor drive for sewing machines. 1,462,516; July 24.
MacLellan, Angus D., assignor to MacLellan Mixer Company, Owensboro, Ky. Percentage feeder and mixer. 1,462,649; July 24.
MacLellan Mixer Company. (See MacLellan, Angus D., assignor.)
Madere, Ernest H., Bienville, assignor to Bienville Manufacturing Company Inc., New Orleans, La. Baby guard. 1,463,125; July 24.
Madison Kipp Corporation. (See Putnam, William H., assignor.)
Maimin, H., Co. (See Maimin, H., and Freddy, assignors.)
Maimin, Hyman, and A. Freddy, New York, N. Y., assignors to H. Maimin Co., Inc., Presser-foot latch. 1,462,650; July 24.
Makepeace, John F., Sanford, N. C. Sash weight. 1,463,126; July 24.
Makepeace, Stanley, assignor to Castalia Gardens, Inc., Milwaukee, Wis. Roller coaster. 1,463,137; July 24.
Makowski, Peter, Chicago, Ill. Automatic clutch-shifting mechanism for washing machines. 1,462,974; July 24.
Manbert, Calvin R., assignor to California Car Company, Oakland, Calif. Center drive for gasoline-propelled cars. 1,462,713; July 24.
Manrow, Nathan W., Goshen, Ind. Register support and border. 1,462,607; July 24.
Manta, Joseph A., Provincetown, Mass. Crossing signal. 1,463,127; July 24.
Marchand, Thomas E., Sacramento, Calif. Pencil-holding clip. 1,462,714; July 24.
Marks, Le Roy S. (See L'Ecuyer, R. A., and Marks.)
Marquette, Melvon A., assignor to The Fisk Rubber Company, Chicopee Falls, Mass. Tire bend and making the same. 1,462,517; July 24.
Marshall, Norman, Waltham, Mass. Method of and apparatus for enameling tubes. 1,462,608; July 24.
Martin, John L., Buffalo, N. Y. Swing. 1,462,796; July 24.
Martin, Wilfred G., Peoria, Ill. Spring-oiling device. 1,462,562; July 24.
Martyn, David L., Vancouver, Wash. Reboring machine. 1,463,089; July 24.
Mash, Frank, Detroit, Mich. Music-leaf turner. 1,462,715; July 24.
Masin, Joseph, New York, N. Y. Bearing. 1,462,716; July 24.
Massey, Amedee, and A. Benson, Norwich, Conn. Pickerstick check. 1,463,128; July 24.
Mathews, Charles O., Devon, Conn. Curtain roller. 1,462,866; July 24.
Mathews, Fred, Chicago, Ill. Lock for freight-car-doors. 1,462,916; July 24.
Mathews, Samuel J., Sapulpa, Okla., assignor to B-B Manufacturing and Drilling Company. Well-drilling apparatus. 1,462,975; July 24.
Matthews, James F., North Augusta, S. C., assignor of fifty-one one-hundredths to W. H. White, Augusta, Ga. Box. 1,463,059; July 24.
Maul, Louis A., assignor to Milwaukee Auto Engine and Supply Company, Milwaukee, Wis. Contact and making same. 1,462,609; July 24.
Maus, Lorenzo F., Chicago, Ill. Slicer. 1,462,717; July 24.
May, Henry A. (See Jackson, H. R., and May.)
Memmott, Alfred B., Salt Lake City, Utah. Radiator cap. Des. 62,739; July 24.
Mesinger, Frederick, New York, N. Y. Saddle. 1,462,976; July 24.
Meyer, Albert W., Roselle, N. J. Coffee-making apparatus. 1,462,610; July 24.
Meyer, John W., Fort Atkinson, Wis. Water heater. 1,462,611; July 24.
Meyer, William V., Milwaukee, Wis. Phonograph. 1,462,867; July 24.
Milker, Herbert P., and A. Roesch, assignors to Charles J. Tagliabue Manufacturing Co., Brooklyn, N. Y. Thermometer. 1,462,797; July 24.
Miller, Charles W. H., Lostant, Ill. Ensilage harvester. 1,462,765; July 24.
Miller, John H., Chicago, Ill. Barrel-washing machine. 1,462,917; July 24.
Miller, Lena. (See Schneider, Herman L., assignor.)
Miller Rubber Company, The. (See Stratton, David, assignor.)
Miller, Volney T., assignor to R. S. Spahr, Kansas City, Mo. Razor-blade-sharpening machine. 1,462,490; July 24.
Miller, William J., Swissvale Borough, Pa. Process and apparatus for feeding glass. 1,462,491; July 24.
Milton, William H., and F. Scherner, Muscatine, Iowa. Automatic fluid control. 1,463,129; July 24.
Milwaukee Auto Engine and Supply Company. (See Mau, Louis A., assignor.)
Miner, William H. (See O'Connor, John F., assignor.)
Mitts & Merrill. (See Mitts, P. S., and Winston, assignors.)
Mitts, Philip S., and W. J. Winston, assignors to Mitts & Merrill, Saginaw, Mich. Chip pocket for cutting shredders and the like. 1,462,492; July 24.
Monarch Carriage Goods Company, The. (See Voss, H. W., and Balzer, assignors.)
Monarch Refillable Fuse Co. (See Ellison, Edward H., assignor.)
Mones, Arthur H., Kerrobert, Saskatchewan, Canada. Cover plate for storage batteries. 1,462,612; July 24.
Mooney, Frank H., Hinsdale, assignor to Clarence E. Barrett, Chicago, Ill. Thread-cutting machine. 1,463,019; July 24.
Moore, G. Edward. (See Andrews, Charlie M., assignor.)
Moore, Raymond G., assignor to The Bassick Company, Bridgeport, Conn. Automobile hood clamp. 1,462,493; July 24.
Morgan & Wright. (See Hopkinson, E., and Jury, assignors.)
Morris, James B., Nashville, Tenn. Tool for removing valves. 1,463,130; July 24.
Morse, Clyde S., De Kalb, Ill. Sash lock. 1,462,977; July 24.
Mortimer, Charles W. (See Snyder, E. R., and Mortimer.)
Moshier, William J., Rochester, N. Y. Match-igniting device. 1,462,978; July 24.
Mueller, Adolph, trustee. (See Mueller, Philip, assignor.)
Mueller, L. J., Furnace Company. (See Buller, Charles M., assignor.)
Mueller, Philip, assignor to A. Mueller, trustee, Decatur, Ill. Multiple-meter-tester apparatus. 1,462,718; July 24.
Muend, Charles J., Philadelphia, Pa., assignor to Haines, Jones & Cadbury Incorporated. Faucet. Des. 62,740; July 24.
Murphy, Fred K., et al. (See Barton, Charles N., assignor.)
Murray, Wallace J., Boston, assignor to Arthur D. Little, Inc., Cambridge, Mass. Producing azo colors in nonaqueous solvents. 1,462,613; July 24.
Myers, Hubert A., assignor of one-half to H. Wiener, Toledo, Ohio. Valve mechanism. 1,462,651; July 24.

Nafziger, Samuel O., Goshen, Ind. Clamshell-bucket-operating mechanism. 1,463,090; July 24.
Nakagawa, Waichi, Kitaku, Japan. Steam boiler. 1,462,763; July 24.
National Brake & Electric Company. (See Aikman, Burton S., assignor.)
National India Rubber Company. (See Huestis, Thomas B., assignor.)
Neuberger, Henry C. (See Federicci, Albert, assignor.)
Neuberger, Henry C., New York, assignor to Interlocking Metal Forms Corporation, Tuckahoe, N. Y. Machine for molding building blocks. 1,462,614; July 24.
New England Metal Barrel Corporation, The. (See Felten, Abram V., assignor.)
New Idea Spreader Co., The. (See Oppenheim, T. H., and Selhorst, assignors.)
New Jersey Can Company. (See Kashinsky, John, assignor.)
New Process Iron and Steel Company. (See Hundley, James, assignor.)
New York Lighting Fixture Manufacturing Co. (See Fleischauer, Fred, assignor.)
Newell Manufacturing Company. (See Gabrielson, Carl, assignor.)
Newman, Louis, Chicago, Ill. Passenger train and platform. 1,462,868; July 24.
Nichols, George J., Minneapolis, Minn. Combined spat and legging. Des. 62,741; July 24.
Nickerson, William H., Brookline, Mass. Shank stiffener. 1,462,798; July 24.

Nitrum Aktiengesellschaft. (See Siebert, Werner, assignor.)
Noble, Louis H., Philadelphia, Pa. Portable umbrella stand. 1,462,615; July 24.
Nordstrom, Alfred, et al. (See Kropp, Charles A., assignor.)
Norton, Charles E., assignor of one-half to H. P. Norton, Loveland, Colo. Automobile brake. 1,462,918; July 24.
Norton, Harry P. (See Norton, Charles E., assignor.)
Nyquist, August R., and C. A. Brandt, Roseau, Minn. Sawing machinery. 1,462,764; July 24.

O & J Machine Company, The. (See Oslund, Charles H., assignor.)
O'Connor, John F., Chicago, Ill., assignor to W. H. Miner, Chazy, N. Y. Friction shock-absorbing mechanism. 1,462,616; July 24.
Oczkowski, Constantine L., Bunell, Colo. Antiskidding device. 1,463,060; July 24.
Ohnstrand, Enoch, Mohawk, N. Y., assignor to Library Bureau, Cambridge, Mass. Interfitting corner construction. 1,462,617; July 24.
Olson, Olaf, St. Paul, Minn. Adjustable fishing-line bobber. 1,463,020; July 24.
O'Neill, Frank, Toledo, Ohio. Glass-handling apparatus. 1,462,652; July 24.
Oppenheim, Theodore H., and B. Selhorst, assignors to The New Idea Spreader Co., Coldwater, Ohio. Rolls for corn-husking machines. 1,462,815; July 24.
Oslund, Charles H., assignor to The O & J Machine Company, Worcester, Mass. Wiping-down device. 1,462,940; July 24.
Osterholm Automatic Machine Co. (See Osterholm, William C., assignor.)
Osterholm, William C., assignor to Osterholm Automatic Machine Co., Chicago, Ill. Grinding machine. 1,462,653; July 24.
Oswego Falls Corporation. (See Wright, Wilbur L., assignor.)
Otto, William, Edgeley, N. Dak. Excavator. 1,462,494; July 24.
Owen, William W., Oak Park, assignor to Automatic Electric Company, Chicago, Ill. Measured-service telephone system. 1,462,719; July 24.
Owens, Thomas S., Toledo, Ohio. Sheet-glass-drawing mechanism. 1,462,495; July 24.

Paine, Harry W. (See Smith, Arthur A., and Paine.)
Pako Corporation. (See Dye, Glen M., assignor.)
Palm Brothers Company, The. (See Bottome, Edgar M., assignor.)
Palm Brothers Company, The. (See Jenner, Percy, assignor.)
Palm Brothers Company. (See Stuart, Ralph, assignor.)
Palmer, Mabel H., Davenport, Iowa. Badge. Des. 62,742; July 24.
Panther Rubber Manufacturing Company. (See Freeman, Dudley, assignor.)
Pappadakis, Andru G., Detroit, Mich. Knob alarm. 1,462,496; July 24.
Pardee, Frank, Hazleton, Pa., assignor to Anthracite Separator Company. Spiral separator. 1,462,618; July 24.
Partlow, Howard W., Utica, N. Y. Gas governor for typesetting machines. 1,462,816; July 24.
Passaic Metal Ware Co. (See England, Isaac W., assignor.)
Patterson, John F., Merchantville, N. J. Shock compressing and binding device. 1,462,817; July 24.
Patterson, Warren C., Pottsville, assignor of one-half to J. F. Johnson, Lewisburg, Pa. Safety attachment for locomotives. 1,462,619; July 24.
Pawlick, Ignatz H., assignor to Enterprise Portable Oven Co., Chicago, Ill. Portable oven. 1,463,061; July 24.
Pearson, John W., and J. S. Power, assignors to The Davis Sewing Machine Company, Dayton, Ohio. Valve. 1,463,093; July 24.
Pearson, Kent, Marion, Iowa. Animal trap. 1,463,091; July 24.
Peeler, Cameron C., Charleston, Wash. Torch for use in electric welding and holder therefor. 1,462,620; July 24.
Peerless Wire Goods Company, The. (See Snyder, Frank M., assignor.)
Pelletier, Alphonse, Norwalk, Calif. Burglar alarm. 1,462,941; July 24.
Pelly, Russell G., assignor to Technical Research Works, Limited, London, England. Lubricant and preparing same. 1,463,092; July 24.
Perfected Window Company. (See Lancaster, George W., assignor.)
Petersen, Frank H., and A. S. Weston, Denver, Colo. Combined crank-shaft-turning tool and automatically-reciprocating mechanism for supporting and operating the same. 1,462,979; July 24.
Peterson, Oscar P. (See Anderson, J. O., and Peterson.)
Peth, Charles H. (See Labus, O. A., and Peth.)
Petrea, Frank K., and W. J. Jordan, Columbus, Ga. Bunch builder. 1,462,919; July 24.
Petry, Jacob, Pittsburgh, Pa. Dental suction plate. 1,462,888; July 24.
Pfeager, Roscoe C., assignor to B. F. Klein, Cleveland, Ohio. Lighting fixture. Des. 62,743; July 24.
Pfeiffer, Oswald, Leipzig, Germany. Apparatus for drying material. 1,462,621; July 24.
Phelan, Edward J., Los Angeles, Calif. Combination concrete wall board and studding. 1,462,622; July 24.
Philadelphia Quartz Company. (See Stericker, William, assignor.)
Phillip, Charles W., San Francisco, Calif. Internal-combustion engine and parts thereof. 1,462,654; July 24.
Phillip, Charles W., San Francisco, Calif. Piston and manufacturing the same. 1,462,655; July 24.
Phillips, Elaine H. (See de Lipski, Nicholas V., assignor.)
Pickard, Fred. (See Pickard, Oliver J. and F.)
Pickard, Oliver J. and F., assignors to Joseph Pickard's Sons, Philadelphia, Pa. Wire head for looms. 1,462,920; July 24.
Pickard's, Joseph, Sons. (See Pickard, Oliver J. and F., assignors.)
Pieper, Alphonse F. (See Pieper, Oscar H. and A. F.)
Pieper, Oscar H. and A. F., Rochester, N. Y. Dental appliance unit. 1,462,656; July 24.
Pierce, Joseph A., Dravosburg Borough, Pa. Cooking utensil. 1,462,818; July 24.
Pierson, Charles V., Duluth, Minn. Wall construction. 1,463,021; July 24.
Plumley, Stuart, Westfield, N. J., assignor, by mesne assignments, to Air Reduction Company, Incorporated, New York, N. Y. Portable acetylene generator. 1,462,623; July 24.
Pomona Products Company. (See Bostrom, Earnst A., assignor.)
Pool, Morris W., Brooklyn, assignor to Remington Typewriter Company, Ilion, N. Y. Typewriting machine. 1,462,980; July 24.
Post, John E., Durand, Mich. Gate. 1,462,766; July 24.
Potts Manufacturing Company. (See Gibson, Oliver E., assignor.)
Powell, Winfred T., assignor to The Stromberg-Carlson Telephone Manufacturing Company, Rochester, N. Y. Automatic telephone system. 1,462,819; July 24.
Power, Joseph S. (See Pearson, J. W., and Power.)
Primak, Adam, Kenosha, Wis. Lock. 1,462,869; July 24.
Prutzman, Jacob N. (See Stienhauer, W. R., and Prutzman.)
Pryor, Alfred T., Detroit, Mich. Resilient wheel. 1,462,624; July 24.
Purcell, Andrew, et al. (See Bohock, Joseph J., assignor.)
Putnam, William H., deceased, by Central Wisconsin Trust Company, executor, assignor to Madison Kipp Corporation, Madison, Wis. Internal-combustion engine. 1,462,767; July 24.

Raber, Clyde K., Newcastle, Ind. Can spout. 1,462,820; July 24.
Rader, Samuel J. W., Alfalfa County, Okla. Automatic air-hose coupler. 1,462,821; July 24.
Rainalter, Rudolph, Kansas City, Mo. Box fastener. 1,462,657; July 24.
Rand, James H., North Tonawanda, N. Y. Index. 1,462,497; July 24.
Rand, James H., North Tonawanda, N. Y. Index device. 1,462,822; July 24.
Reach, George A. (See Graeff, Walter L., assignor.)
Reardon, Fred A., Bradford, Mass., assignor to Hamel Shoe Machinery Company. Forepart-turning machine. 1,462,823; July 24.
Reed, Clarence E., and M. Czeftezick, Houston, Tex.; said Czeftezick assignor to said Reed. Coupling or tool joint. 1,462,824; July 24.
Rees, Claude, San Francisco, Calif. Waste-burning furnace. 1,462,720; July 24.
Reichmann, Frank J., Chicago, Ill. Coupler device. 1,462,921; July 24.
Remington Accounting Machine Corporation. (See Boa, Robert G. C., assignor.)
Remington Typewriter Company. (See Hart, Frederick A., assignor.)
Remington Typewriter Company. (See Pool, Morris W., assignor.)
Remy Electric Company, The. (See Carter, John J., assignor.)
Remy Electric Company, The. (See Hillmer, Max L., assignor.)
Reynolds, Arthur W., Newtown, Conn. Cultivator. 1,463,138; July 24.
Reynolds, Frank W., New Washington, Ohio. Cabinet. Des. 62,744; July 24.
Reynolds, Fred N., et al. (See Barton, Charles N., assignor.)
Reynolds, May E., et al. (See Barton, Charles N., assignor.)
Richardson, Henry A., Colorado Springs, Colo. Power-transmission appliance. 1,462,658; July 24.
Rick, August, St. Louis, Mo. Automobile traffic signal. 1,462,659; July 24.
Riddell, John T., Evanston, Ill. Athletic shoe. 1,462,625; July 24.
Riddle, Edward N., Co. (See Crowell, Frank S., assignor.)
Rigby, Clark F., Butler, Pa. Oil saver. 1,462,518; July 24.
Rigby, Thomas, Westminster, London, England. Manufacture of briquettes. 1,463,094; July 24.
Riker, Samuel M., Chester, N. J. Belt buckle. 1,462,981; July 24.

Ringler, William A., Philadelphia, Pa., assignor to The Globe-Wernicke Company. Index tab. 1,462,626; July 24.

Ringler, William A., Philadelphia, Pa., assignor of one-half to H. C. Yeiser, Cincinnati, Ohio. Adjustable price marker. 1,462,825; July 24.

Rixson, Oscar C., New Rochelle, N. Y., assignor to The Oscar C. Rixson Co. Lock. 1,462,826; July 24.

Rixson, Oscar C., New Rochelle, N. Y., assignor to The Oscar C. Rixson Co. Lock. 1,462,827; July 24.

Rixson, Oscar C., New Rochelle, N. Y., assignor to The Oscar C. Rixson Co. Lock. 1,462,828; July 24.

Rixson, Oscar C., Co., The. (See Rixson, Oscar C., assignor.)

Roberts, Effie M., St. Louis, Mo. Fishing tackle. 1,463,062; July 24.

Roberts, Merrill E., Pasadena, Calif. Lath. 1,462,579; July 24.

Roberts, William, Los Angeles, Calif. Scraper attachment for brooms. 1,462,829; July 24.

Robinson, Arthur W., Montreal, Quebec, Canada. Floating discharge pipe for hydraulic dredges. 1,462,830; July 24.

Robinson, Harriet M., Seattle, Wash. Doll. Des. 62,745; July 24.

Roesch, Alfred. (See Milker, H. P., and Roesch.)

Rogers, James B., Chicago, Ill. Mathematical top. 1,462,870; July 24.

Rogers, Joseph A., New York, N. Y. Pneumatic tire. 1,462,942; July 24.

Rolle, Karl F. A., Vauxhall, assignor to C. A. Binder, Newark, N. J. Machine for making link mesh and similar fabric. 1,462,982; July 24.

Rollefson, Jacob W., Seattle, Wash. Toy. 1,462,660; July 24.

Rosenberg, Irving, East Orange, N. J. Measuring and cutting device. 1,462,871; July 24.

Rosener, Leland S., San Francisco, Calif. Apparatus for unloading barges. 1,462,827; July 24.

Roszell, James D. (See Cloud, William S., assignor.)

Roth, Louis, assignor to C. F. Klusman, New York, N. Y. Lamp fixture for beds and the like. 1,462,498; July 24.

Rothe, Paul R., Chicago, Ill. Hollow-stem suction valve. 1,462,519; July 24.

Rottenburg, Henry, Cambridge, England. Blotting appliance. 1,462,943; July 24.

Royal Typewriter Company. (See Hess, Edward B., assignor.)

Ruddle, William O. (See Luydekkers, W. H., and Ruddle.)

Rüdenberg, Reinhold, Berlin-Grunewald, and A. Finckbein, Charlottenburg, assignors to Siemens-Schuckertwerke Gesellschaft mit beschränkter Haftung, Siemenstadt, near Berlin, Germany. Manufacturing electric conductors. 1,462,580; July 24.

Rudin, Karl V., Stockholm, Sweden. Calculating machine. 1,462,944; July 24.

Rudnay, Andrew, Buffalo, N. Y. Micrometer attachment. 1,463,095; July 24.

Rush, Turner C., assignor to F. G. Erd, Lexington, Ky. Bottle-cap remover. 1,463,139; July 24.

Russell, George H., Florence, Ala. Accelerator for hot-water heating systems. 1,462,768; July 24.

Rutledge, Richard E. (See Champlin, Charles A., assignor.)

Ryon, Eppa H. (See Knowlton, C. E., and Ryon.)

Ryon, Eppa H., Waltham, Mass., assignor to Crompton & Knowles Loom Works. Spool-bearing bracket for yarn-tube frames. 1,462,520; July 24.

Rysdon, Charles, Sioux Falls, S. Dak. Pan. 1,463,063; July 24.

Saal, Henry G. (See Stafford, Frederick S., assignor.)

Salazar, Emilio R., Habana, Cuba. Automatic train stop. 1,463,096; July 24.

Santarsiero, Antonio V., New York, N. Y. Collapsible boat. 1,462,769; July 24.

Sargent, Sumner B., Los Angeles, Calif. Pump-plunger rotor. 1,462,721; July 24.

Sartore, Laurence, assignor of one-half to D. Foglia, Pittsburgh, Pa. Stitching mechanism. 1,462,521; July 24.

Sattler, John H., assignor to The Steiger & Kerr Stove & Foundry Co., San Francisco, Calif. Gas stove. 1,462,661; July 24.

Schaefer, Frederic. (See Summerhays, Elmer M., assignor.)

Schaefer, John L., Flushing, N. Y. Sanitary toilet-seat cover. 1,462,662; July 24.

Schall, Clinton W., Columbus, Ohio. Slab for building constructions. 1,462,663; July 24.

Schaper, Harry C., assignor to The General Automatic Scale Company, St. Louis, Mo. Combination bag rack and auxiliary platform for scales. 1,462,983; July 24.

Schenuit, Frank G., Baltimore, Md. Tire casing. 1,462,984; July 24.

Schermer, Fred. (See Milton, W. H., and Schermer.)

Schmidt, Albert, assignor to Fisher Body Corporation, Detroit, Mich. Doorcheck. 1,462,872; July 24.

Schmidt, Albert R., Milwaukee, Wis. Valve-stem carbon remover. 1,462,581; July 24.

Schmidt'sche Heissdampf Gesellschaft m. b. H. (See Thomsen, Peter, assignor.)

Schmitz, Richard, assignor to F. P. Armbruster and R. Schmitz, trustees, Chicago, Ill. Brake. 1,462,722; July 24.

Schmitz, Richard, assignor to F. P. Armbruster and R. Schmitz, trustees, Chicago, Ill. Brake for automobiles. 1,462,723; July 24.

Schmitz, Richard, et al., trustees. (See Schmitz, Richard, assignor.)

Schneider, Herman L., Glen Ullin, N. Dak., assignor of one-half to L. Miller, Chicago, Ill. Power drive unit for agricultural implements. 1,463,097; July 24.

Schopper, Charles. (See Hungerbühler, O. J., and Schopper.)

Schulte, Walter B., Madison, Wis., assignor to Burgess Battery Company. Position indicator. 1,462,664; July 24.

Schultz, Paul, Des Moines, Iowa. Slide trolley. 1,462,770; July 24.

Schuman, Solomon, Denver, Colo. Carrier for suit boxes. 1,462,831; July 24.

Schurr, Charles H., assignor to The Lees-Bradner Company, Cleveland, Ohio. Gear-grinding apparatus. 1,462,985; July 24.

Schwarzbach, William C. (See Hartman, A. A., and Schwarzbach.)

Scott, Grover C., Watson, W. Va. Glass finishing and polishing machine. 1,462,522; July 24.

Scott-Ullman Company. (See Ullman, Albert, assignor.)

Sears, Roebuck and Co. (See Hoffman, Rudolph, assignor.)

Seavey, Harry R., assignor to The C. T. Burrowes Company, Portland, Me. Game board. 1,462,724; July 24.

Sebring, Charles L. (See Kinnard, Frank M., assignor.)

Sedlak, Vaclav F., Kansas City, Mo. Oil burner. 1,462,582; July 24.

Seitz, George F., Philadelphia, Pa. Furnace attachment. 1,462,922; July 24.

Selhorst, Bernard. (See Oppenheim, T. H., and Selhorst.)

Sepelyak, Mike, Verona, Pa. Draft appliance for automobiles. 1,463,022; July 24.

Sequeira, Abel, New Bedford, Mass. Resilient wheel. 1,463,064; July 24.

Sharp, John H., Chicago, Ill. Container. 1,462,665; July 24.

Shaw, Arthur L., assignor to Chicago Automatic Conveyor Co., Chicago, Ill. Conveyer carriage. 1,462,986; July 24.

Shaw, Howard A., Yonkers, N. Y. Humidor. 1,462,832; July 24.

Shockey, Henry C., and T. Fennell, Casa Grande, Ariz. Fly-catching apparatus. 1,462,873; July 24.

Siebert, Werner, Laufenburg, Aargau, assignor to Nitrum Aktiengesellschaft, Zurich, Switzerland. Producing nitric acid by means of the electric arc. 1,462,987; July 24.

Sieger, Henry N., Slatington, Pa. Snow guard and fender. 1,463,065; July 24.

Siemens-Schuckertwerke Gesellschaft mit beschränkter Haftung. (See Rüdenberg, R., and Finckbein, assignors.)

Signode System Inc. (See Guenther, Arthur G. G., assignor.)

Simmons, A. E., et al. (See McAllister, Frederick J., assignor.)

Simmons Hardware Company. (See Hawkins, Archie W., assignor.)

Simon, Selig, St. Louis, Mo. Chest splint. 1,462,583; July 24.

Simonich, Louis, L'Anse, Mich. Collapsible stepladder. 1,463,023; July 24.

Sirot, Harry. (See Sirot, Hyman and H.)

Sirot, Hyman and H., New York, N. Y. Instantaneous hot-water heater. 1,462,988; July 24.

Slater, Adelbert T., Bay City, Mich. Bicycle sled. 1,462,889; July 24.

Slater, Fred M., Easton, Pa., assignor to Ingersoll-Rand Company, Jersey City, N. J. Rotary-cylinder motor. 1,462,874; July 24.

Smith, Arthur A., and H. W. Paine, Eagle Grove, Iowa. Tire-chain lock and elastic take-up. 1,462,666; July 24.

Smith, David K., assignor of one-half to J. G. Kirschner, and one-eighth to L. C. Hollberg, Denver, Colo. Placer-mining machine. 1,462,584; July 24.

Snelling, Walter O., Allentown, Pa. Phenolic condensation product. 1,462,771; July 24.

Snow, Isaac, Lawrence, assignor to Draper Corporation, Hopedale, Mass. Feeler mechanism for looms. 1,463,131; July 24.

Snyder, Edward R., East Orange, N. J., and C. W. Mortimer, Brooklyn, N. Y., assignors to The Barrett Company. Roof covering. 1,462,772; July 24.

Snyder, Frank M., assignor to The Peerless Wire Goods Company, La Fayette, Ind. Detachable foot for wire trays. 1,463,098; July 24.

Snyder, William H. (See Whitaker, R., jr., and Snyder.)

Société Lyonnaise d'Industrie Mécanique. (See Adenot, Marius, assignor.)

Soderberg, John G., Worcester, Mass., assignor to Crompton & Knowles Loom Works. Yarn-tube frame. 1,462,523; July 24.

Soreng, Edgar M., assignor to Briggs & Stratton Company, Milwaukee, Wis. Armature construction. 1,462,585; July 24.

Soulis, Harold A., assignor to W. T. Soulis, New York, N. Y. Piston rod. 1,462,833; July 24.

Soulis, Wilbur T. (See Soulis, Harold A., assignor.)

Souther, E. E., Iron Company. (See Atkinson, Charles E., assignor.)

Spahr, Robert S. (See Miller, Volney T., assignor.)

Speck, Emil, Paterson, N. J., assignor to The Taylor-Friedsam Company, New York, N. Y. Ribbon, textile fabric, or article of similar nature. Des. 62,746; July 24.

Speishouse, Louis L., Baltimore, Md. Knockdown mold for cement garages. 1,462,989; July 24.

Spencer, Horace T., Knoxville, Tenn. Insect-powder blower of the bellows type. 1,462,773; July 24.

Spiro, Jacob H., San Francisco, Calif. Finger ring, bracelet, or similar article of manufacture. Des. 62,747; July 24.

Spiro, Walter J., White Plains, N. Y. Automatic carburetor control. 1,462,945; July 24.

Stadtler, Mathias, Chicago, Ill. Spring mounting. 1,462,990; July 24.

Stafford, Frederick S., assignor to H. G. Saal, Chicago, Ill. Casing for humidifiers. Des. 62,748; July 24.

Standard Conveyor Company. (See Johnson, Arthur J., assignor.)

Standard Conveyor Company. (See Lister, Charles H., assignor.)

Standard Machine Company. (See Houseman, Wilbur L., assignor.)

Steiger & Kerr Stove & Foundry Co., The. (See Sattler, John H., assignor.)

Steinhauer, William R., and J. N. Prutzman, Mt. Vernon, Wash. Automobile headlight. 1,463,024; July 24.

Steinke, Albert L., Pipestone, Minn. Stock-tank heater. 1,463,099; July 24.

Stenwall, Alfred, Kewanee, Ill., assignor to Walworth Manufacturing Company, Boston, Mass. Valve. 1,462,834; July 24.

Stephens, Clarence, Clay City, Ind. Antiglare device. 1,462,946; July 24.

Stericker, William, Pittsburgh, Pa., assignor to Philadelphia Quartz Company. Combined board and making the same. 1,462,835; July 24.

Stern, Charles, and G. F. Egan, Jersey City, N. J. Auto tail lamp and signal. Re15,661; July 24.

Stevens, Frank C., Cohasset, assignor to United Printing Machinery Company, Boston, Mass. Sheet gripper. 1,462,923; July 24.

Stevens, William C., assignor to The Firestone Tire and Rubber Company, Akron, Ohio. Tire-stripping apparatus. 1,462,524; July 24.

Stewart, A. L. (See Brecht, George S., assignor.)

Stewart, John H., Rutherford, N. J. Door hanging and securing means. 1,463,100; July 24.

Stewart-Warner Speedometer Corporation. (See Whittington, Frederik G., assignor.)

Stich, Johann, Augsburg, Germany. Blotter. 1,463,025; July 24.

Stockland, Arthur, assignor to C. K. Stockland, Minneapolis, Minn. Automobile bed. 1,462,667; July 24.

Stockland, Charles K. (See Stockland, Arthur, assignor.)

Stoddard, Ray F., Dayton, Ohio. Electrical display system. 1,462,875; July 24.

Stralton, David, assignor to The Miller Rubber Company, Akron, Ohio. Doll. Des. 62,749; July 24.

Straub, Oscar I., Buffalo, N. Y., and F. G. Wahl, Detroit, Mich.; said Wahl assignor to said Straub. Vapor burner. 1,463,101; July 24.

Stromberg-Carlson Telephone Manufacturing Company. (See Powell, Winfred T., assignor.)

Stryker, George B., jr., Memphis, Tenn. Aseptic tank. 1,463,102; July 24.

Stuart, Bert, Seattle, Wash. Mattress. 1,462,668; July 24.

Stuart, Ralph, Buffalo, assignor to The Palm Brothers Company, New York, N. Y. Plate or similar article. Des. 62,750; July 24.

Stuck, William R., assignor, by mesne assignments, to The Dazey Manufacturing Company, Los Angeles, Calif. Flower holder. 1,462,947; July 24.

Sturtevant, B. F., Company. (See Bentley, Oliver D. H., assignor.)

Summerhays, Elmer M., Hammond, Ind., assignor to F. Schaefer, Pittsburgh, Pa. Manufacturing connecting pins. 1,462,876; July 24.

Summers, Eulah M., Birmingham, Ala. Bifurcated nether garment for children. Des. 62,751; July 24.

Sutton, Mark, and T. Williams, Rio de Janeiro, Brazil. Top-roller clearer. 1,462,774; July 24.

Swan, John W., Stamford, Conn. Carburetor control. 1,462,725; July 24.

Tagliabue, Charles J., Manufacturing Co. (See Milker, H. P., and Roesch, assignors.)

Taylor, Edward C., Longmeadow, assignor to The Fisk Rubber Company, Chicopee Falls, Mass. Shuttle-balancing mechanism. 1,462,586; July 24.

Taylor-Friedsam Company. (See Speck, Emil, assignor.)

Taylor, Harvey B., Philadelphia, Pa. Spiral casing. 1,462,890; July 24.

Taylor, Robert L., Midway, assignor, by mesne assignments, of one-half to C. L. McKenzie, Pittsburgh, Pa. Building brick and making same. 1,462,991; July 24.

Technical Research Works, Limited. (See Pelly, Russell G., assignor.)

Texas Company, The. (See Adams, Joseph H., assignor.)

Thomas, Oscar A., Oxnard, Calif. Beet puller. 1,462,948; July 24.

Thomas, Richard K., Vicksburg, Miss. Rolls for tensioning, leveling, and straightening band saws. 1,462,836; July 24.

Thomas, Thomas H., Edgewood, assignor to Westinghouse Air Brake Compay, Wilmerding, Pa. Fluid-pressure brake. 1,463,026; July 24.

Thompson, George K., Maplewood, N. J., assignor to American Telephone and Telegraph Company. Arrangement for producing complementary visual and audible exhibitions. 1,462,525; July 24.

Thompson, George W. (See Fenselau, F., and Thompson.)

Thomsen, Peter, Cassel, assignor to Schmidt'sche Heissdampf Gesellschaft m. b. H., Cassel-Wilhelmshohe, Germany. Draft-regulating device. 1,462,499; July 24.

Thomson Electric Welding Company. (See Gravell, James M., assignor.)

Thoresen, Anton S., and F. E. Benoit, North Attleboro, Mass. Blow-out patch and tire reenforcer for automobile tires and tubes. 1,462,628; July 24.

Thorsten, Alfred F., Brooklyn, N. Y. Clapper valve. 1,463,103; July 24.

Tinius Olsen Testing Machine Company. (See McAdam, Dunlap J., jr., assignor.)

Tinker, Harris W., jr., Birmingham, Ala. Vehicle side-curtain construction. 1,462,992; July 24.

Toomey, John F., New York, and W. H. Harrison, Hollis, N. Y., assignors to American Telephone and Telegraph Company. Composite ringer set. 1,462,526; July 24.

Topham, Laurence E., Swampscott, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J. Lock-stitch sewing machine. 1,462,587; July 24.

Toy Devices, Inc., The. (See De Cesare, Matteo, assignor.)

Trefz, Carl G. (See Wright, Charles D., assignor.)

Trivelloni, Angelo, Milan, Italy. Manufacture of nails formed in two parts. 1,462,775; July 24.

Tully, Marks J., Brooklyn, N. Y. Snow remover. 1,462,527; July 24.

Tunnel & Sewer Machine Engineering Company. (See Anderson, Louis W., assignor.)

Turbine Fuel Oil Burner Co. (See Hurd, Benjamin W., assignor.)

Turnqren, Charles G., Harvey, Ill. Valve lathe. 1,462,669; July 24.

Twardowsky, John. (See Hanson, C. C., and Twardowsky.)

Twigg, Walter R., Luton, England. Gas-fired furnace. 1,463,104; July 24.

Tyden, Emil, Evanston, Ill. Seal locking device. 1,462,588; July 24.

Ubil, Zachary T., Philadelphia, Pa. Device for operating automobile signals. 1,462,776; July 24.

Ullman, Albert, assignor to The Scott-Ullman Company, Cleveland, Ohio. Lighting fixture. Des. 62,752; July 24.

Underwood Typewriter Company. (See Hulse, William H., assignor.)

United Printing Machinery Company. (See Stevens, Frank C., assignor.)

United Shoe Machinery Corporation. (See Topham, Laurence E., assignor.)

Universal Draft Gear Attachment Co. (See Wrigley, Henry L., assignor.)

Universe Corporation. (See Hanson, C. C., and Twardowsky, assignors.)

Valois, Félix E., Bridgeport, Conn., assignor to Hamel Shoe Machinery Company. Shoe-sewing machine. 1,462,777; July 24.

Van Delinder, Fay L., Chicago, Ill. Candy bouquet. Des. 62,710; July 24.

Vance, Walter N., Chicago Heights, assignor to Durand Steel Locker Company, Chicago, Ill. Shelf extension. 1,462,670; July 24.

Veeder, Curtis H., assignor to The Veeder Manufacturing Company, Hartford, Conn. Operating device for voting-machine registers, etc. Re15,662; July 24.

Veeder Manufacturing Company, The. (See Veeder, Curtis H., assignor.)

Vrba, John, Chicago, Ill. Pipe or cable clamp. 1,462,671; July 24.

Vermont Marble Company. (See Johnson, Oscar L., assignor.)

Vickers Limited. (See Dawson, A. T., Buckham, and Larsson, assignors.)

Villaret, Gustave E., New York, assignor to J. H. White Manufacturing Company, Brooklyn, N. Y. Bracket back. Des. 62,753; July 24.

Villaret, Gustave E., New York, assignor to J. H. White Manufacturing Company, Brooklyn, N. Y. Arm for lighting fixtures. Des. 62,754; July 24.

Villaret, Gustave E., New York, assignor to J. H. White Manufacturing Company, Brooklyn, N. Y. Bracket back. Des. 62,755; July 24.

Villaret, Gustave E., New York, assignor to J. H. White Manufacturing Company, Brooklyn, N. Y. Bracket back. Des. 62,756; July 24.

Villaret, Gustave E., New York, assignor to J. H. White Manufacturing Company, Brooklyn, N. Y. Bracket back. Des. 62,757; July 24.

Villaret, Gustave E., New York, assignor to J. H. White Manufacturing Company, Brooklyn, N. Y. Bracket back. Des. 62,758; July 24.
Villaret, Gustave E., New York, assignor to J. H. White Manufacturing Company, Brooklyn, N. Y. Arm for lighting fixtures. Des. 62,759; July 24.
Villaret, Gustave E., New York, assignor to J. H. White Manufacturing Company, Brooklyn, N. Y. Arm for lighting fixtures. Des. 62,760; July 24.
Villaret, Gustave E., New York, assignor to J. H. White Manufacturing Company, Brooklyn, N. Y. Arm for lighting fixtures. Des. 62,761; July 24.
Villaret, Gustave E., New York, assignor to J. H. White Manufacturing Company, Brooklyn, N. Y. Arm for lighting fixtures. Des. 62,762; July 24.
Villaret, Gustave E., New York, assignor to J. H. White Manufacturing Company, Brooklyn, N. Y. Body shell. Des. 62,763; July 24.
Vinnedge, George E., Portland, Oreg. Resilient wheel. 1,462,891; July 24.
Vitaliano, Salvatore, Hazleton, Pa. Tire filler. 1,462,837; July 24.
Voltz, Arthur G., Cleveland, Ohio. Lubricating rubber molds. 1,462,563; July 24.
Voss, Henry W., and C. A. Balzer, assignors to The Monarch Carriage Goods Company, Cincinnati, Ohio. Glare shield for automobiles. 1,462,726; July 24.

Wahl, Frederick G. (See Straub, O. I., and Wahl.)
Walker, George H., Worcester, assignor to Heenan & Froude, Limited, Manchester and Worcester, England. Dynamometer. 1,462,778; July 24.
Walker, Grover C., Chicago, Ill. Ventilator. 1,462,924; July 24.
Walls, Harold H., Jackson, Mich. Artificial bait. 1,462,949; July 24.
Walraven, Albert T., Dallas, Tex. Gumming machine. 1,462,838; July 24.
Walworth Manufacturing Company. (See Stenwall, Alfred, assignor.)
Ward, William H., Swarthmore, Pa., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Desensitized explosive. 1,462,753; July 24.
Washburn, Edwin C., Englewood, N. J. Friction draft gear. 1,462,892; July 24.
Watrous, Agnes B., executrix. (See Watrous, Edward L.)
Watrous, Edward L., deceased, El Paso, Tex., by A. B. Watrous, executrix, Evanston, Ill. Apparatus for metal-coating wire, chain, woven-wire fencing, and the like. 1,462,589; July 24.
Watson, James H., assignor of one-half to F. Chatterton, Riverton, Wyo. Variable-speed transmission gear. 1,462,528; July 24.
Weatherby, Calvin S., South Westville, N. J. Shipping box for carboys. 1,462,672; July 24.
Webb, Jean F., jr., New York, N. Y., assignor to The International Signal Co. Plunger shoe. 1,463,105; July 24.
Weber, Joseph F., Lansing, Mich. Sod-cutting plow. 1,463,106; July 24.
Weiner, William, Philadelphia, Pa. Drawers bloomers for women. 1,462,504; July 24.
Weitershausen, Robert H., Pittsburgh, Pa. Tone-arm stop. 1,463,107; July 24.
Welffens, Emile J., Withington, Manchester, England. Planetary gearing. 1,462,950; July 24.
Welffens, Emile J., Manchester, England. Planetary gearing. 1,462,951; July 24.
Wells, Paul L., Kouts, Ind. Vacuum release for shells. 1,462,500; July 24.
West, Harry H., Montreal, Quebec, Canada. Hosiery. Des. 62,764; July 24.
Westinghouse Air Brake Company, The. (See Farmer, Clyde C., assignor.)
Westinghouse Air Brake Company, The. (See Fitch, Ellery R., assignor.)
Westinghouse Air Brake Company. (See Thomas, Thomas H., assignor.)
Weston, Alfred S. (See Petersen, F. H., and Weston.)
Weston, Edward B., Dayton, Ohio. Display-rack attachment. 1,462,877; July 24.
Whaler, Herbert T., and W. A. Bryant, Miami, Fla. Laundry recorder. 1,462,952; July 24.
Wheeler, John S., Dunsmuir, Calif. Bending machine. 1,462,673; July 24.
Whitaker, Richard, jr., and W. H. Snyder, assignors to Bryden-Neverslip Company, New Brunswick, N. J. Feeding mechanism. 1,462,629; July 24.
White, Gerald E., Lansing, Mich. Flash-light case. 1,462,674; July 24.
White, J. H., Manufacturing Company. (See Villaret, Gustave E., assignor.)
White, Wade H. (See Matthews, James F., assignor.)
Whitefield, Charles, Victoria, British Columbia, Canada. Phonograph - reproducer diaphragm. 1,462,839; July 24.
Whittington, Frederik G., Evanston, assignor to Stewart-Warner Speedometer Corporation, Chicago, Ill. Speed-adapter joint for power-transmitting shafts. 1,462,675; July 24.
Wicksteed, Ralph, Kettering, England. Hack-saw machine. 1,462,779; July 24.
Widescope Camera Co. (See Bingham, George W., assignor.)
Widstrand, Carl H., Lakeside, Mich. Hook for tire chains. 1,462,590; July 24.
Wiener, Herman. (See Myers, Hubert A., assignor.)
Wilburger, William, Brooklyn, N. Y. Spring binder post. 1,462,925; July 24.
Wile, Raymond S., and S. H. Gobay, New York, N. Y. Vacuum-walled container. 1,463,027; July 24.
Wilkie, Julius C., Winona, Minn. Connecting-rod and piston aligning machine. 1,462,926; July 24.
Wilkinson, James F., Savannah, Ga. Determining free-phosphoric-acid content. 1,462,840; July 24.
Willamette Iron & Steel Works. (See Barnes, Brown E., assignor.)
Willetts Company, The. (See Willetts, Harry G., assignor.)
Willetts, Harry G., Grafton, assignor to The Willetts Company, Pittsburgh, Pa. Glass-melting tank. 1,462,993; July 24.
Williams, Harry S., Detroit, Mich. Fastener for automobile hoods. 1,462,727; July 24.
Williams, Thomas. (See Sutton, M., and Williams.)
Williamson, George W., Indianapolis, Ind. Jack. 1,462,878; July 24.
Williamson, James, assignor to R. Williamson & Company, Chicago, Ill. Lighting fixture. Des. 62,765; July 24.
Williamson, R., & Company. (See Williamson, James, assignor.)
Willison, Ralph A., and C. N. Esberg, Portland, Oreg. Change-sign device. 1,463,108; July 24.
Wilson, Paul B. (See Barksdale, G. R., and Wilson.)
Wilson, Thomas, & Co. (See Giebel, Henry, assignor.)
Wilton, Thomas O., London, England. Furnace grate. 1,462,994; July 24.
Wingrove, William, Edgewater, Colo. Vegetable feeder for poultry. 1,462,893; July 24.
Winston, William J. (See Mitts, P. S., and Winston.)
Winter, John R., Lansing, Mich. Means for securing removable rims. 1,462,529; July 24.
Witman, Ephraim, Sinking Spring, Pa. Air pump. 1,463,109; July 24.
Wood, Walter A., Mowing & Reaping Machine Company. (See Allen, G. N., and Benway, assignors.)
Woodward, Irving C., Syracuse, N. Y. Clutch for differential-gear-control mechanism. 1,462,879; July 24.
Worthen, Albert J., San Francisco, Calif. Rotary fluid-pressure-producing apparatus. 1,463,110; July 24.
Worthington Pump and Machinery Corporation. (See Carpenter, John S., assignor.)
Wright, Charles D., assignor of one-half to C. G. Trefz, San Francisco, Calif. Spark arrester. 1,462,728; July 24.
Wright, Wilbur L., assignor, by mesne assignments, to Oswego Falls Corporation, Fulton, N. Y. Closure disk. 1,462,995; July 24.
Wrigley, Henry L., Chicago, Ill., assignor to Universal Draft Gear Attachment Co. Draft gear for railway cars. 1,462,676; July 24.

Yanchik, John G., Wilkes-Barre, Pa. Lock. 1,462,780; July 24.
Yates, John, San Francisco, Calif. Draft motor. 1,462,927; July 24.
Ybarzabal, Edward J. (See Landlumé, G., and Ybarzabal.)
Yeiser, Henry C. (See Ringler, William A., assignor.)
Yokel, Frank, Pittsburgh, Pa. Building construction. 1,462,841; July 24.

Zimmerman, George R., Brooklyn, N. Y. Doll. Des. 62,766; July 24.
Zucker, Gottlieb F., Chicago, Ill. Combustion-engine-lubricating mechanism. 1,462,894; July 24.

ALPHABETICAL LIST OF INVENTIONS

FOR WHICH

PATENTS WERE ISSUED ON THE 24TH DAY OF JULY, 1923.

NOTE.—Arranged in accordance with the first significant character or word of the name (in accordance with city and telephone directory practice). **Includes patents, reissues, and designs.**

Accelerator foot throttle. H. L. Carnahan. 1,463,115; July 24.
Acetylene generator, Portable. S. Plumley. 1,462,623; July 24.
Acid by means of the electric arc, Producing nitric. W. Siebert. 1,462,987; July 24.
Actuating device and making same. E. J. Guay. 1,463,015; July 24.
Advertising device. W. S. C. Glover. 1,462,745; July 24.
Agricultural fork. J. Degendorfer. 1,462,787; July 24.
Agricultural implements, Power drive unit for. H. L. Schneider. 1,463,097; July 24.
Air hammer, Valveless. J. E. Hagstrom. 1,462,961; July 24.
Aircraft, Fuselage construction for. V. E. Clark. 1,462,533; July 24.
Alarm: *See*—
Burglar alarm. Temperature alarm.
Knob alarm.
Alkali-metal silicates, Manufacture of. C. Deguide. 1,463,037; July 24.
Alloy and mercury dispenser. I. A. Burnett. 1,462,954; July 24.
Animal trap. C. A. Champlin. 1,462,739; July 24.
Animal trap. K. Pearson. 1,463,091; July 24.
Antiglare device. C. Stephens. 1,462,946; July 24.
Antiskid-chain hook. G. B. N. Dow and F. P. Ham. 1,463,071; July 24.
Antiskidding device. C. L. Oczkowski. 1,463,060; July 24.
Arch supporter. M. J. Condylis and J. C. Clarke. 1,462,534; July 24.
Armature construction. E. M. Soreng. 1,462,585; July 24.
Artificial bait. H. H. Walls. 1,462,949; July 24.
Aseptic tank. G. B. Stryker, jr. 1,463,102; July 24.
Automatic gun. A. T. Dawson, G. T. Buckham, C. A. Larsson. 1,462,852; July 24.
Automobile bed. A. Stockland. 1,462,667; July 24.
Automobile brake. C. E. Norton. 1,462,918; July 24.
Automobile brake. R. Schmitz. 1,462,723; July 24.
Automobile glare shield. H. W. Voss and C. A. Balzer. 1,462,726; July 24.
Automobile hood clamp. W. R. Bassick. 1,462,477; July 24.
Automobile hood clamp. R. G. Moore. 1,462,493; July 24.
Automobile hood fastener. H. S. Williams. 1,462,727; July 24.
Automobile light-dimmer switch. A. D. Gaston. 1,462,791; July 24.
Automobile radiator cap. H. A. Dent. Des. 62,711; July 24.
Automobile shield. W. G. Cox. 1,462,956; July 24.
Automobile signal. W. and J. A. Heckman. Des. 62,723; July 24.
Automobile signals, Device for operating. Z. T. Ubil. 1,462,776; July 24.
Automobile spring equalizer and shock absorber. W. J. Hackett and F. T. Abbay. 1,462,638; July 24.
Automobile traffic signal. A. Rick. 1,462,659; July 24.
Automobiles, Bumper for. G. Hainlen. 1,462,910; July 24.
Automobiles, Draft appliance for. M. Sepelyak. 1,463,022; July 24.
Automobiles, Emergency drum for. C. J. Johnson. 1,462,811; July 24.
Automobiles, Locking device for. W. O. Bayless. 1,462,999; July 24.
Automobiles, Means for utilizing power of. L. J. Gould. 1,462,936; July 24.
Automobiles, Safety fender for. J. E. Amador. 1,462,928; July 24.
Automobiles, Windshield attachment for. H. Higgin. 1,462,545; July 24.
Axle housings, Device for straightening bent or irregular. D. Camp. 1,462,955; July 24.
Axle straightener. J. E. Hanes. 1,463,082; July 24.

Baby guard. E. H. Madere. 1,463,125; July 24.
Badge. M. H. Palmer. Des. 62,742; July 24.
Bag: *See*—
Mouthproof bag.
Bag closure. O. Bibb. 1,463,113; July 24.
Baking frame. J. J. McConnell. 1,463,124; July 24.
Ball bearing. B. W. Hurd. 1,462,965; July 24.
Bank-cutting attachment, Sloping-. C. L. George. 1,462,488; July 24.
Barges, Apparatus for unloading. L. S. Rosener. 1,462,627; July 24.
Barrel-washing machine. J. H. Miller. 1,462,917; July 24.
Baseball gloves for shipment, Support for use in packing. W. L. Graeff. 1,462,906; July 24.
Basins, Waste control for. W. H. Dehn. 1,462,853; July 24.
Batter. F. M. Kinnard. 1,462,812; July 24.
Battery: *See*—
Electric battery.
Batteries, Cover plate for storage. A. H. Mones. 1,462,612; July 24.
Bearing. J. Mashi. 1,462,716; July 24.
Bearing, Shaft. O. Junggren. 1,463,018; July 24.
Beds and the like, Lamp fixture for. L. Roth. 1,462,498; July 24.
Beet puller. O. A. Thomas. 1,462,948; July 24.
Beet-topping mechanism. C. L. and C. W. Greening. 1,462,907; July 24.
Belt buckle. S. M. Riker. 1,462,981; July 24.
Bending machine. J. S. Wheeler. 1,462,673; July 24.
Bending pipe, Machine for. C. Gabrielson. 1,462,935; July 24.
Bicycle sled. A. T. Slater. 1,462,889; July 24.
Binder post, Spring. W. Wilburger. 1,462,925; July 24.
Blind advertising device, Roller-. W. H. Leydekkers and W. O. Ruddle. 1,463,087; July 24.
Block: *See*—
Pulley block.
Blotter. J. Stich. 1,463,025; July 24.
Blotting appliance. H. Rottenburg. 1,462,943; July 24.
Blower or suction fan. C. A. Ruenzel, jr. 1,462,557; July 24.
Board: *See*—
Game board. Ironing board.
Board and making the same, Combined. W. Stericker. 1,462,835; July 24.
Boat, Collapsible. A. V. Santarsiero. 1,462,769; July 24.
Boat, Foldable. J. N. Clemmer. 1,462,800; July 24.
Body shell. G. E. Villaret. Des. 62,763; July 24.
Boiler: *See*—
Combination boiler. Steam boiler.
Bolt: *See*—
Tire-mold-clamping bolt.
Boots and shoes, Means for measuring or marking off the sizes of half soles of. 1,462,699; July 24.
Bottle-cap remover. F. C. Rush. 1,463,139; July 24.
Bottle-cleaning apparatus. C. H. Loew and J. R. Gruetter. 1,462,512; July 24.
Bottle-handling device. H. Hillmann. 1,462,546; July 24.
Bottle-washing machine. O. C. Grenzke. 1,462,598; July 24.
Box: *See*—
Color box. Feed box.
Box. C. A. Fox. 1,463,074; July 24.
Box. J. F. Matthews. 1,463,059; July 24.
Box fastener. R. Rainalter. 1,462,657; July 24.
Box for carboys, Shipping. C. S. Weatherby. 1,462,672; July 24.
Box straps, Machine for applying. A. G. G. Guenther. 1,462,960; July 24.
Brace. E. E. Johnson. 1,462,702; July 24.
Bracelet. C. M. Levy. Des. 62,738; July 24.
Bracket back. G. E. Villaret. Des. 62,753; July 24.
Bracket back. G. E. Villaret. Des. 62,755–8; July 24.
Brake: *See*—
Automobile brake. Vehicle brake.
Fluid-pressure brake.
Brake. R. Schmitz. 1,462,722; July 24.
Brake-rod attachment. J. W. Connell and J. Armstrong. 1,462,932; July 24.
Brassière. I. S. Jerome. 1,462,966; July 24.
Brick and making same, Building. R. L. Taylor. 1,462,991; July 24.
Brick, Slate. E. P. Engelbrecht. 1,462,596; July 24.
Bridge, Portable. R. D. Gallagher. 1,462,541; July 24.
Briquettes, Manufacture of. T. Rigby. 1,463,094; July 24.
Brooms, Scraper attachment for. W. Roberts. 1,462,829; July 24.
Brush holder. W. J. Hines. Des. 62,726; July 24.
Bucket-operating mechanism, Clamshell-. S. O. Nafziger. 1,463,090; July 24.

Building blocks, Machine for molding. H. C. Neuberger. 1,462,614; July 24.
Building blocks, Mold for making. J. G. Davis. 1,463,007; July 24.
Building construction. F. Yokel. 1,462,841; July 24.
Building constructions, Slab for. C. W. Schall. 1,462,663; July 24.
Building-material composition. F. J. McAllister. 1,463,123; July 24.
Bunch builder. F. K. Petrea and W. J. Jordan. 1,462,919; July 24.
Burglar alarm. A. Pelletier. 1,462,941; July 24.
Burner: *See*—
Fluid-fuel burner. Oil burner.
Gas burner. Vapor burner.
Lampblack burner.
Button, Secure collar. F. X. List. 1,462,509; July 24.

Cabinet. F. W. Reynolds. Des. 62,744; July 24.
Calculating machine. R. G. C. Boa. 1,462,567; July 24.
Calculating machine. K. V. Rudin. 1,462,944; July 24.
Can spout. C. K. Raber. 1,462,820; July 24.
Candle, Sealing-wax. H. Hohmann. 1,462,601; July 24.
Candy bouquet. F. L. Van Delinder. Des. 62,710; July 24.
Car axles, Lubricating journal box for. H. V. Boddy. 1,462,736; July 24.
Car doors, Lock for freight-. F. Mathews. 1,462,916; July 24.
Car grain doors, Protector for. H. S. Eckhouse. 1,463,010; July 24.
Cars, Center drive for gasoline-propelled. C. R. Manbert. 1,462,713; July 24.
Cars, Door for freight. L. H. Banks. 1,462,565; July 24.
Cars, Draft gear for railway. H. I. Wrigley. 1,462,676; July 24.
Cars, etc., Safety brake for. S. A. Crow. 1,462,741; July 24.
Carbon catalyst. C. B. Jacobs. 1,462,752; July 24.
Carburetor. M. J. B. Basbarou. 1,462,782; July 24.
Carburetor. A. C. Bennett. 1,463,034; July 24.
Carburetor control. J. W. Swan. 1,462,725; July 24.
Carburetor control, Automatic. W. J. Spiro. 1,462,945; July 24.
Carrier: *See*—
Tire-chain carrier.
Carrier. A. V. Barto. 1,462,897; July 24.
Cartridge magazine. I. N. Lewis. 1,462,972; July 24.
Case: *See*—
Cigarette case. Waterproof carrying case.
Flash-light case.
Cashier protector. J. Babiarz. 1,462,781; July 24.
Cement. H. G. Hall. 1,462,747; July 24.
Cement-aggregate composition, Preparing bituminous. S. E. Finley. 1,462,904; July 24.
Cement blocks, Apparatus for molding. A. Federicci. 1,462,569; July 24.
Chair: *See*—
Convertible chair. Rail chair.
Change maker, Selective. A. Beck. 1,462,679; July 24.
Change-speed-gear mechanism. J. Cotal. 1,462,740; July 24.
Character construction, Interchangeable-. M. J. Hogan. 1,462,547; July 24.
Charm. A. B. Lemon. Des. 62,736; July 24.
Chaser bars, Method and means for truing. C. Jobst. 1,462,701; July 24.
Check, Automatic roving. G. R. Barksdale and P. B. Wilson. 1,462,896; July 24.
Cheese press. G. Kohlmeier. 1,462,863; July 24.
Chest splint. S. Simon. 1,462,583; July 24.
Chocolate mixing and melting machine. O. A. Labus and C. H. Peth. 1,462,602; July 24.
Cigarette case, Waterproof. E. G. Bell. 1,462,846; July 24.
Clamp: *See*—
Automobile hood clamp.
Clip: *See*—
Door clip. Pencil-holding clip.
Clip. G. Andersen. 1,462,591; July 24.
Clothes hanger and trousers creaser, Combination. E. V. Bowe. 1,463,003; July 24.
Clutch or coupler, Hydraulic. H. S. Hele-Shaw. 1,462,600; July 24.
Coal coking. S. R. Illingworth. 1,462,576; July 24.
Coffee-making apparatus. A. W. Meyer. 1,462,610; July 24.
Color box. J. J. Bohock. 1,462,479; July 24.
Colors in nonaqueous solvents, Producing azo. W. J. Murray. 1,462,613; July 24.
Colored article. N. V. de Lipski. 1,462,536; July 24.
Combination boiler. C. H. Kline. 1,462,862; July 24.
Combustion, Apparatus for controlling. F. H. Brown. 1,463,142; July 24.
Combustion, Controlling. F. H. Brown. 1,463,141; July 24.
Combustion, Controlling. F. H. Brown. 1,463,143; July 24.
Combustion-engine-lubricating mechanism. G. F. Zucker. 1,462,894; July 24.
Compressor. C. C. Hanson and J. Twardowsky. 1,462,695; July 24.
Concrete wall board and studding, Combination. E. J. Phelan. 1,462,622; July 24.
Confections, Process and apparatus for making. W. S. Cloud. 1,462,883; July 24.
Connecting-rod and piston aligning machine. J. C. Wilkie. 1,462,926; July 24.
Contact and making same. L. A. Mau. 1,462,609; July 24.
Container. J. H. Sharp. 1,462,665; July 24.
Container, Vacuum-walled. R. S. Wile and S. H. Gobay. 1,463,027; July 24.
Convertible chair. B. W. Goebel. 1,462,959; July 24.
Conveyer. I. W. England. 1,463,011; July 24.
Conveyer carriage. A. L. Shaw. 1,462,986; July 24.
Conveyer, Reciprocating. C. H. Lister. 1,462,510; July 24.
Conveyer system, Reciprocating. C. H. Lister. 1,462,511; July 24.
Cooking utensil. J. A. Pierce. 1,462,818; July 24.
Coring machine. E. A. Bostrom. 1,463,114; July 24.
Corn-husking machines, Rolls for. T. H. Oppenheim and B. Selhorst. 1,462,815; July 24.
Corner construction, Interfitting. E. Ohnstrand. 1,462,617; July 24.
Cough tablet. M. R. Durante. Des. 62,712; July 24.
Coupler device. F. J. Reichmann. 1,462,921; July 24.
Coupling: *See*—
Pipe coupling.
Coupling or tool joint. C. E. Reed and M. Czeftczick. 1,462,824; July 24.
Cover and cover-securing means. M. L. Hillmer. 1,463,147; July 24.
Crank-shaft-turning tool and automatically-reciprocating mechanism for supporting and operating the same, Combined. F. H. Petersen and A. S. Weston. 1,462,979; July 24.
Crate, Combination animal. A. L. Allred. 1,462,755; July 24.
Crossing signal. J. A. Manta. 1,463,127; July 24.
Crusher: *See*—
Fruit crusher.
Cultivator. A. W. Reynolds. 1,463,138; July 24.
Current from an alternating circuit and means therefor, Producing direct. G. B. Coleman. 1,462,633; July 24.
Currents, Means and method of conversion between alternating and direct. G. B. Coleman. 1,462,634; July 24.
Currents, Method and apparatus for rectifying polyphase. G. B. Coleman. 1,462,632; July 24.
Curtain, drapery, and the like. E. H. Flagg. 1,463,013; July 24.
Curtain roller. C. O. Mathews. 1,462,866; July 24.
Curtains, draperies, and the like, Making. E. H. Flagg. 1,463,014; July 24.
Cylinder motor, Rotary-. F. M. Slater. 1,462,874; July 24.
Cylinder-shaping machine. A. V. Felten. 1,463,073; July 24.
Dental appliance unit. O. H. and A. F. Pieper. 1,462,656; July 24.
Dental suction plate. J. Petry. 1,462,888; July 24.
Derricks, Reenforcing structure for. C. J. Gougler. 1,462,746; July 24.
Dial-revolving device. L. H. Fleron. 1,462,571; July 24.
Die mounting. C. A. Kropp. 1,462,556; July 24.
Disk, Closure. W. L. Wright. 1,462,995; July 24.
Display container, Counter. T. F. Emerson. 1,462,502; July 24.
Display-rack attachment. E. B. Weston. 1,462,877; July 24.
Doll. H. M. Robinson. Des. 62,745; July 24.
Doll. D. Straiton. Des. 62,749; July 24.
Doll. G. R. Zimmerman. Des. 62,766; July 24.
Door. O. E. Gibson. 1,462,806; July 24.
Door and brake control device. E. R. Fitch. 1,463,040; July 24.
Door clip, Screen-. J. Heard. 1,463,119; July 24.
Door-closing device. J. Hauenstein. 1,462,544; July 24.
Door hanger. F. K. Fassett. 1,462,694; July 24.
Door hanging and securing means. J. H. Stewart. 1,463,100; July 24.
Doors or gates, Means for automatically opening. G. N. Givens. 1,463,079; July 24.
Doorcheck. A. Schmidt. 1,462,872; July 24.
Draft motor. J. Yates. 1,462,927; July 24.
Draft-regulating device. P. Thomsen. 1,462,499; July 24.
Drawers bloomers for women. W. Weiner. 1,462,564; July 24.
Dredges, Floating discharge pipe for hydraulic. A. W. Robinson. 1,462,830; July 24.
Dress form, Modeling. I. F. Koblinsky. 1,462,555; July 24.
Dresses, Spot trimming for. E. Culotta. 1,462,594–5; July 24.
Drying material, Apparatus for. O. Pfeiffer. 1,462,621; July 24.
Dump body. A. B. McKinley. 1,462,814; July 24.
Dynamometer. G. H. Walker. 1,462,778; July 24.
Egg separator. R. A. McCrone. 1,462,606; July 24.
Electric battery. W. R. Loveman. 1,462,795; July 24.
Electric conductors, Manufacturing. R. Rüdenberg and A. Finchbeln. 1,462,580; July 24.
Electric machine adapted for synchronous working, Dynamo. L. J. Hunt. 1,463,017; July 24.
Electric wall bracket. T. E. Dahl. Des. 62,705; July 24.

Electrical display system. R. F. Stoddard. 1,462,875; July 24.
Electrical recording instrument. F. H. Bowman. 1,463,004; July 24.
Electrical switch. C. A. Deas. 1,462,690; July 24.
Elevators, Emergency controller for. A. J. Johnson. 1,462,507; July 24.
Engine: *See*—
Internal-combustion engine.
Engine and parts thereof, Internal-combustion. C. W. Philip. 1,462,654; July 24.
Engine starter. W. L. McGrath. 1,462,973; July 24.
Engines, Burning fuel oil in internal-combustion. E. L. Lowe. 1,462,514; July 24.
Engines, Carbureting apparatus for internal-combustion. J. B. Bartholomew. 1,462,845; July 24.
Engines, Ignition-wiring and conductor for internal-combustion. D. H. Ladd. 1,462,706; July 24.
Engraving machine. C. C. Bruckner. 1,462,682; July 24.
Envelope, Novelty. W. E. Lover. 1,462,513; July 24.
Excavator. W. Otto. 1,462,494; July 24.
Exhibitions, Arrangement for producing complementary visual and audible. G. K. Thompson. 1,462,525; July 24.
Explosive, Desensitized. W. H. Ward. 1,462,753; July 24.
Eyeshield, Nonglare. F. W. Bonner. 1,462,532; July 24.
Faucet. C. J. Muend. Des. 62,740; July 24.
Feed box, Poultry. F. T. Huntington. 1,462,751; July 24.
Feeder and mixers, Percentage. A. D. MacLellan. 1,462,649; July 24.
Feeding mechanism. R. Whitaker, jr., and W. H. Snyder. 1,462,729; July 24.
Films, Mechanism for rewinding. H. A. de Vry. 1,462,487; July 24.
Finger ring, bracelet, or similar article. S. Eisenberg. Des. 62,713; July 24.
Finger ring, bracelet, or similar article of manufacture. J. H. Spiro. Des. 62,747; July 24.
Fire-extinguisher system, Stationary chemical mixing. J. W. Enright. 1,463,072; July 24.
Fish, Machine for cleaning. M. J. Abbott. 1,463,111; July 24.
Fishing-line bobber, Adjustable. O. Olson. 1,463,020; July 24.
Fishing-rod-repair device. D. M. Hudson. 1,463,084; July 24.
Fishing tackle. E. M. Roberts. 1,463,062; July 24.
Flash-light case. G. E. White. 1,462,674. July 24.
Fleshing machine. S. Friedman. 1,463,076; July 24.
Flour to bleach same and open starch cells, Machine and process for remilling finished. W. G. Andrews. 1,462,730; July 24.
Flower holder. W. R. Stuck. 1,462,947; July 24.
Fluid control, Automatic. W. H. Milton and F. Schermer. 1,463,129; July 24.
Fluid-fuel burner. J. Bliss. 1,462,680; July 24.
Fluid-pressure brake. T. H. Thomas. 1,463,026; July 24.
Fluid-pressure producing apparatus, Rotary. A. J. Worthen. 1,463,110; July 24.
Fluid-separating mediums and fluid-separating medium produced thereby, Producing. T. M. Chance. 1,462,881; July 24.
Fly-catching apparatus. H. C. Shockey and T. Fennell. 1,462,873; July 24.
Flying-machine supporting surface. H. Junkers. 1,462,704; July 24.
Foot rest. A. H. Engmark. 1,462,597; July 24.
Fork: *See*—
Agricultural fork.
Frame: *See*—
Baking frame. Yarn-tube frame.
Saw frame.
Fruit crusher. P. C. De Luca and M. L. Insogna. 1,462,801; July 24.
Fuel-mixing device. G. M. Hart. 1,462,750; July 24.
Fuel-mixture heating and vaporizing device. W. W. Grant. 1,463,133; July 24.
Fuel saver. J. W. Green. 1,462,503; July 24.
Fur softening and cleaning machine. S. Friedman. 1,463,075; July 24.
Furnace: *See*—
Gas-fired furnace. Waste-burning furnace.
Heating furnace.
Furnace. A. Festa. 1,462,540; July 24.
Furnace attachment. G. F. Seitz. 1,462,922; July 24.
Furnace for melting and casting. G. H. Benjamin. 1,462,899; July 24.
Furnace grate. T. O. Wilton. 1,462,994; July 24.
Furnace wall. M. Liptak. 1,463,044; July 24.
Furnace wall. M. Liptak. 1,463,046–50; July 24.
Furnace wall. M. Liptak. 1,463,052–8; July 24.
Furnace-wall structure. M. Liptak. 1,463,045; July 24.
Furnaces, Partition wall for. M. Liptak. 1,463,051; July 24.
Fuse, Electric. B. J. Grigsby. 1,462,489; July 24.
Fuse, Knife-blade. E. H. Ellison. 1,463,038; July 24.
Game board. H. R. Seavey. 1,462,724; July 24.
Garages, Knockdown mold for cement. L. L. Spelshouse. 1,462,989; July 24.
Garment for children, Bifurcated nether. E. M. Summers. Des. 62,751; July 24.
Gas burner. H. Ginger. 1,462,756; July 24.
Gas fired furnace. W. R. Twigg. 1,463,104; July 24.
Gas generator. J. M. Kirby and B. E. Hartson. 1,462,705; July 24.
Gas-pressure regulator. R. Gilmour and E. E. Cook. 1,462,958; July 24.
Gasoline filter. M. E. E. Dardani. 1,463,006; July 24.
Gate. J. E. Post. 1,462,766; July 24.
Gauge: *See*—
Pressure gauge.
Gear and thrust bearing, Combined. F. E. Knapp. 1,462,938; July 24.
Gear-control mechanism, Clutch for differential-. I. C. Woodward. 1,462,879; July 24.
Gear, Friction draft. E. C. Washburn. 1,462,892; July 24.
Gear-grinding apparatus. C. H. Schurr. 1,462,985; July 24.
Gear-shift mechanism. J. S. Alspaugh. 1,462,530; July 24.
Gear, Transmitting and reversing. R. Boninsegni. 1,462,900; July 24.
Gear, Variable-speed transmission. J. H. Watson. 1,462,528; July 24.
Gears to their axles, Tool for removing from or applying differential. W. C. Bakels. 1,463,031; July 24.
Gearing, Planetary. E. J. Welftens. 1,462,950; July 24.
Gearing, Planetary. E. J. Welftens. 1,462,951; July 24.
Generator: *See*—
Acetylene generator. Gas generator.
Glass-drawing mechanism, Sheet-. T. S. Owens. 1,462,495; July 24.
Glass finishing and polishing machine. G. C. Scott. 1,462,522; July 24.
Glass frame and mirror, Combination chipped-. J. Keczur. Des. 62,731; July 24.
Glass frame and mirror, Combination colored chipped-. J. Keczur. Des. 62,732; July 24.
Glass-handling apparatus. F. O'Neill. 1,462,652; July 24.
Glass-melting tank. H. G. Willetts. 1,462,993; July 24.
Glass, Process and apparatus for feeding. W. J. Miller. 1,462,491; July 24.
Gown, Hospital. E. McElroy. 1,462,515; July 24.
Graphophone records, Transportation package for. J. P. and O. J. Karst. 1,462,642; July 24.
Grinding disks, Truing device for. J. B. Beckett. 1,463,033; July 24.
Grinding machine. W. C. Osterholm. 1,462,653; July 24.
Gumming machine. A. T. Walraven. 1,462,838; July 24.
Hair clipper. F. L. Gray. Re15,660; July 24.
Hair curler. L. G. Agostini. 1,463,028; July 24.
Hair curler. J. D. Coughlin. 1,462,484; July 24.
Hair-waving device. O. J. Hungerbühler and C. Schopper. 1,463,085; July 24.
Hanger: *See*—
Door hanger.
Harvester, Beet. R. F. Gilmore and W. G. Johannsen. 1,463,078; July 24.
Harvester, Beet. C. L. and C. W. Greening. 1,462,908; July 24.
Harvester binders, Grain shocker for. J. E. Dery. 1,462,538; July 24.
Harvester, Ensilage. C. W. H. Miller. 1,462,765; July 24.
Harvesting machine, Beet-. J. Devey. 1,462,486; July 24.
Headlight, Automobile. W. R. Steinhauer and J. R. Prutzman. 1,463,024; July 24.
Headrest. A. O. Hancock. 1,463,081; July 24.
Heat, Utilizing residual. A. S. Cooper. 1,462,851; July 24.
Heater: *See*—
Stock-tank heater. Water heater.
Heater for furnaces, stoves, or apartments, Gas. T. E. Kreutzer. 1,462,643; July 24.
Heating furnace, Steel-. J. Hundley. 1,462,639; July 24.
Heating systems, Accelerator for hot-water. G. H. Russell. 1,462,768; July 24.
Heating unit. W. H. Dalton. 1,463,005; July 24.
Heel for boots and shoes. D. Hill. Des. 62,725; July 24.
Heel, Shoe. D. Freeman. Des. 62,717; July 24.
Hinge, Gate. C. W. Hinkle. 1,462,759; July 24.
Hive entrance. M. V. Lovett. 1,462,711; July 24.
Hog trough. W. R. Hemelstrand. 1,462,793; July 24.
Hone or road leveler, Portable reversible grade. S. B. Jamieson. 1,462,577; July 24.
Hook: *See*—
Antiskid-chain hook.
Horseshoes, Apparatus for the manufacture of. J. H. Farrer. 1,463,012; July 24.
Hose coupler, Automatic air-. S. J. W. Rader. 1,462,821; July 24.
Hosiery. H. H. West. Des. 62,764; July 24.
Humidifiers, Casing for. F. S. Stafford. Des. 62,748; July 24.
Humidor. H. A. Shaw. 1,462,832; July 24.
Husking rolls. F. B. Dues. 1,462,539; July 24.
Ignition timer. J. H. Hunt. 1,462,860; July 24.
Illuminated sign. S. and A. E. Christenson. 1,462,849; July 24.
Index. J. H. Rand. 1,462,497; July 24.
Index device. J. H. Rand. 1,462,822; July 24.
Index tab. W. A. Ringler. 1,462,626; July 24.

Indicator: *See*—
Position indicator.
Innersoles, Rib tightener for Gem. T. F. Hart. 1,462,792; July 24.
Insect-powder blower of the bellows type. H. T. Spencer. 1,462,773; July 24.
Insulating wall. H. B. Lindsay. 1,462,648; July 24.
Internal-combustion engine. G. Berry. 1,462,848; July 24.
Internal-combustion engine. W. H. Putnam. 1,462,767; July 24.
Ironing board. J. P. Dorau. 1,463,068; July 24.
Ironing boards, Foldable. J. P. Dorau. 1,463,069–70; July 24.
Ironing machine. L. Gschwind. 1,462,757; July 24.
Jack. G. W. Williamson. 1,462,878; July 24.
Journal box and hub liner, Sectional. C. N. Barton. 1,462,929; July 24.
Knitting machine, Circular-. W. L. Houseman. 1,462,551; July 24.
Knob alarm. A. G. Pappadakis. 1,462,496; July 24.
Lace. H. Giebel. Des. 62,719; July 24.
Lace. W. Helbig. Des. 62,724; July 24.
Lace. J. Langenegger. Des. 62,735; July 24.
Ladder attachment. H. Hunt. 1,462,505; July 24.
Lamp and signal, Auto tail. C. Stern and G. F. Egan. **Re15,661; July 24.**
Lamp and sound-reproducing device, Combined. W. Erni and A. E. Lange, jr. Des. 62,714; July 24.
Lamp casings, Lens mounting for. E. G. K. Anderson. 1,462,472; July 24.
Lamp stand, Electric-. I. L. Kleinfield. Des. 62,734; July 24.
Lampblack burner. J. L. Dostal. 1,462,691; July 24.
Lapboard for card players, Collapsible. B. W. Alpiner. 1,462,471; July 24.
Latch, Presser-foot. H. Maimin and A. Freddy. 1,462,850; July 24.
Lath. M. E. Roberts. 1,462,579; July 24.
Laundry recorder. H. T. Whaler and W. A. Bryant. 1,462,952; July 24.
Light and signaling device, Combination tail. D. A. Krick. 1,462,969; July 24.
Lighting fixture. R. C. Pfeager. Des. 62,743; July 24.
Lighting fixture. A. Ullman. Des. 62,752; July 24.
Lighting fixture. J. Williamson. Des. 62,765; July 24.
Lighting-fixture arm. F. S. Crowell. Des. 62,695; July 24.
Lighting-fixture arm. G. E. Villaret. Des. 62,754; July 24.
Lighting-fixture arm. G. E. Villaret. Des. 62,759–62; July 24.
Lighting-fixture band. T. E. Dahl. Des. 62,709; July 24.
Lighting-fixture bracket. F. S. Crowell. Des. 62,692; July 24.
Lighting-fixture holder. R. A. L'Ecuyer and L. S. Marks. 1,462,692; July 24.
Lighting-fixture husk. F. S. Crowell. Des. 62,704; July 24.
Lighting-fixture plate. F. S. Crowell. Des. 62,696-7; July 24.
Lighting-fixture plate. F. S. Crowell. Des. 62,703; July 24.
Lighting fixtures, Bracket back for. T. E. Dahl. Des. 62,706; July 24.
Lighting fixtures, Body part for. T. E. Dahl. Des. 62,707; July 24.
Lighting fixtures, Bracket lantern for. F. S. Crowell. Des. 62,693; July 24.
Lighting fixtures, Bracket plate for. F. S. Crowell. Des. 62,700; July 24.
Lighting fixtures, Ceiling lantern for. F. S. Crowell. Des. 62,694; July 24.
Lighting fixtures, Chandelier for. F. S. Crowell. Des. 62,701–2; July 24.
Lighting fixtures, Chandelier for. F. Fleischauer. Des. 62,715; July 24.
Lighting fixtures, Socket cover for. T. E. Dahl. Des. 62,708; July 24.
Lighting fixtures, Top for shade for. F. S. Crowell. Des. 62,698–9; July 24.
Link. J. N. Lagasse. 1,463,043; July 24.
Loading and grading device. J. R. Canion. 1,462,785; July 24.
Lock: *See*—
Sash lock.
Lock. O. E. Gibson. 1,462,805; July 24.
Lock. A. Primak. 1,462,869; July 24.
Lock. O. C. Rixson. 1,462,826–8; July 24.
Lock. J. G. Yanchik. 1,462,780; July 24.
Lock switch. H. A. Clum. 1,462,684; July 24.
Locking device, Seal. E. Tyden. 1,462,588; July 24.
Locomotives, Safety attachment for. W. C. Patterson. 1,462,619; July 24.
Loom. C. F. Lavalle. 1,462,603; July 24.
Loom, Narrow-ware. E. R. Holmes. 1,462,549; July 24.
Loom pickers, Buffer check for. J. J. Kurtz. 1,462,508; July 24.
Looms, Feeler mechanism for. I. Snow. 1,463,131; July 24.
Looms, Wire head for. D. J. and F. Pickard. 1,462,920; July 24.
Lubricant. J. A. Burton. 1,462,799; July 24.
Lubricant and preparing same. R. G. Pelly. 1,463,092; July 24.
Lubricating system. E. W. Davis. 1,462,689; July 24.
Machine-control mechanism. C. H. Gill. 1,462,808; July 24.
Manifold, Intake. A. C. Bennett. 1,463,035; July 24.
Manufacturing connecting pins. E. M. Summerhays. 1,462,876; July 24.
Manure-spreader body construction. G. N. Allen and E. H. Benway. 1,462,996; July 24.
Match container. S. A. Leane. 1,462,971; July 24.
Match-igniting device. W. J. Moshier. 1,462,978; July 24.
Mathematical top. J. B. Rogers. 1,462,870; July 24.
Mattress. B. Stuart. 1,462,668; July 24.
Measuring and cutting device. I. Rosenberg. 1,462,871; July 24.
Medallion, emblem, button, or similar article. P. F. Leon. Des. 62,737; July 24.
Memorandum tablet and holder. H. L. Bush and A. M. Hamblet. 1,462,683; July 24.
Mesh and similar fabric, Machine for making link. K. F. A. Rolle. 1,462,982; July 24.
Metal, Apparatus for crushing corrugated. C. E. Atkinson. 1,462,474; July 24.
Metal, Crushing corrugated. C. E. Atkinson. 1,462,475; July 24.
Metal wheel. L. Fine. 1,462,957; July 24.
Meter-tester apparatus, Multiple-. P. Mueller. 1,462,718; July 24.
Micrometer attachment. A. Rudnay. 1,463,095; July 24.
Mining machine, Placer-. D. K. Smith. 1,462,584; July 24.
Mining-machine bit. N. K. Bowman. 1,462,681; July 24.
Mixing materials, Method of and apparatus for. G. W. Denison. 1,462,485; July 24.
Mop holder. H. K. Kumpunen. 1,462,794; July 24.
Mothproof bag. B. Bernstein. 1,463,002; July 24.
Motor: *See*—
Cylinder motor. Draft motor.
Motor controller. T. E. Barnum. 1,462,476; July 24.
Motors, Mounting for electric. A. F. Batchelder. 1,462,998; July 24.
Music-leaf turner. F. Mash. 1,462,715; July 24.
Nails formed in two parts, Manufacture of. A. Trivelloni. 1,462,775; July 24.
Nozzle brush, Rotary. S. F. Gulba. 1,462,909; July 24.
Oil burner. V. F. Sedlak. 1,462,582; July 24.
Oil-converting apparatus. J. H. Adams. 1,462,678; July 24.
Oil-converting process for the conversion and transformation of oils. J. H. Adams. 1,462,677; July 24.
Oil discharging from oil wells, Preventing emulsification of. R. G. Jones. 1,462,748; July 24.
Oil saver. C. F. Rigby. 1,462,518; July 24.
Oiling device, Spring-. W. G. Martin. 1,462,562; July 24.
Ore-handling apparatus. C. E. Davis. 1,462,688; July 24.
Oven, Portable. I. H. Pawlick. 1,463,061; July 24.
Package-forming machine. F. E. Beam. 1,462,566; July 24.
Pan. C. Rysdon. 1,463,063; July 24.
Pans, Handle for pie. H. S. Altman. 1,462,880; July 24.
Paper pulp, Making. B. J. Bellinger. 1,463,000; July 24.
Paper-punching press. E. Leschhorn. 1,462,559; July 24.
Pen, Check-writing fountain. M. M. Lang. 1,462,864; July 24.
Pencil. B. Goldstein. Des. 62,720; July 24.
Pencil-holding clip. T. E. Marchand. 1,462,714; July 24.
Phenolic condensation product. W. O. Snelling. 1,462,771; July 24.
Phonograph. W. V. Meyer. 1,462,867; July 24.
Phonograph records, Method of and apparatus for making. G. Allegretti. 1,462,729; July 24.
Phonograph - reproducer diaphragm. C. Whitefield. 1,462,839; July 24.
Phosphoric-acid content, Determining free-. J. F. Wilkinson. 1,462,840; July 24.
Phosphorus oxychloride, Production of. R. L. Andreau. 1,462,732; July 24.
Photographic objective. C. Graf. 1,463,132; July 24.
Photoprinting machines, Presser-back mechanism for. G. M. Dye. 1,463,009; July 24.
Picker-stick check. A. Massey and A. Benson. 1,463,128; July 24.
Picture device, Motion. G. W. Bingham. 1,462,784; July 24.
Picture-projecting machines, Control mechanism for motion. N. T. Burgess. 1,462,931; July 24.
Pipe: *See*—
Smoking pipe.
Pipe coupling. R. F. Haughey. 1,462,698; July 24.
Pipe or cable clamp. J. Vrba. 1,462,671; July 24.
Pipes, Adjustable boot for. C. M. Buller. 1,462,482; July 24.
Piston. M. W. Barwald. 1,462,501; July 24.
Piston and manufacturing same. C. W. Philip. 1,462,655; July 24.
Piston-ring-groove carbon scraper. C. Amundson. 1,462,895; July 24.
Piston rod. H. A. Soulis. 1,462,833; July 24.
Pistons, piston rings, and cylinders, and specially-prepared piston rings, Treating. O. W. Gerleman. 1,462,855; July 24.
Pistons, Positioning means for. L. R. Davis and R. M. Hughes. 1,462,742; July 24.
Plate or similar article. E. M. Bottome. Des. 62,688–90; July 24.

Plate or similar article. P. Jenner. Des. 62,728–30; July 24.
Plate or similar article. R. Stuart. Des. 62,750; July 24.
Plow, Sod-cutting. J. F. Weber. 1,463,106; July 24.
Plug, Attachment. W. H. Harrington. Des. 62,722; July 24.
Plunger shoe. J. F. Webb, jr. 1,463,105; July 24.
Portable table. A. A. Hartman and W. C. Schwarzbach. 1,462,856; July 24.
Position indicator. W. B. Schulte. 1,462,664; July 24.
Post: *See*—
Binder post.
Poultry, Vegetable feeder for. W. Wingrove. 1,462,893; July 24.
Power plant. E. Adamson. 1,462,470; July 24.
Power-transmission appliance. H. A. Richardson. 1,462,658; July 24.
Power-transmitting shafts, Speed-adapter joint for. F. G. Whittington. 1,462,675; July 24.
Power unit, Movable. M. E. Layne. 1,462,708; July 24.
Pneumatic system. B. S. Aikman. 1,462,842; July 24.
Press: *See*—
Cheese press. Paper-punching press.
Pressure gauge. P. M. Gelatt. 1,462,570; July 24.
Preheating and vaporizing device, Charge. J. O. Anderson and O. P. Peterson. 1,462,844; July 24.
Price marker, Adjustable. W. A. Ringler. 1,462,825; July 24.
Profile-defining apparatus. E. N. Clark. 1,462,850; July 24.
Pulverulent or granular material continuously supplied in a controlled stream, Device for distributing. H. Behrens. 1,462,847; July 24.
Puller: *See*—
Beet puller.
Pulley block. B. E. Barnes. 1,462,630–1; July 24.
Pump, Air. E. Witman. 1,463,109; July 24.
Pump-plunger rotor. S. B. Sargent. 1,462,721; July 24.
Punch and dies, Compound progressive. G. Becherer, jr. 1,462,733; July 24.
Punch, Shank and bit. H. V. Haight. 1,463,134; July 24.
Queen and drone trap, Collapsible. J. B. Cottam. 1,462,933; July 24.
Racing course, Mechanical. G. Langlumé and E. J. Ybarzabal. 1,462,560; July 24.
Rack. W. A. Hammond. 1,462,542; July 24.
Radiator cap. A. B. Memmott. Des. 62,739; July 24.
Rail chair. W. R. Gorrell and H. Barkschat. 1,463,118; July 24.
Rail joint and nut lock, Combined. D. W. Jeffries. 1,462,506; July 24.
Rat trap. E. D. Clark. 1,462,802; July 24.
Razor, Safety. J. F. Leiller. 1,462,558; July 24.
Reboring machine. D. L. Martyn. 1,463,089; July 24.
Receiving system. H. Chireix. 1,462,882; July 24.
Receptacle. J. Kashinsky. 1,462,578; July 24.
Receptacle. F. J. Lynch. 1,463,088; July 24.
Receptacle and cover, Germicide. J. C. Fischer. 1,462,893; July 24.
Receptacle cap. W. E. Koss. 1,463,145; July 24.
Reed articles, Producing. M. B. Lloyd. 1,462,710; July 24.
Reedlike articles, Producing. M. B. Lloyd. 1,462,709; July 24.
Refrigerator. C. A. Ketterer. 1,462,968; July 24.
Register support and border. N. W. Munrow. 1,462,607; July 24.
Regulator: *See*—
Gas-pressure regulator.
Reservoir and making same, Sheet-metal. R. Hoffman. 1,462,640; July 24.
Reservoirs, radiators, and the like, Stopper for. M. J. B. Barbaron. 1,462,783; July 24.
Resilient wheel. E. F. Lieckfelt. 1,462,865; July 24.
Resilient wheel. A. T. Pryor. 1,462,624; July 24.
Resilient wheel. A. Sequeira. 1,463,064; July 24.
Resilient wheel. G. E. Vinnedge. 1,462,891; July 24.
Ribbon, textile fabric, or similar article. E. Speck. Des. 62,746; July 24.
Rims, Means for securing removable. J. R. Winter. 1,462,529; July 24.
Ring. O. T. Hodnefield. Des. 62,727; July 24.
Ringer set, Composite. J. F. Toomey and W. H. Harrison. 1,462,526; July 24.
Riveter. J. L. Bernard. 1,463,146; July 24.
Road plane. W. H. Jennings. 1,463,120; July 24.
Road surfaces, Apparatus for applying binding media to. S. E. Finley. 1,462,903; July 24.
Roadways, Treating. S. E. Finley. 1,462,902; July 24.
Rod: *See*—
Piston rod.
Roller: *See*—
Curtain roller.
Roller cleaner, Top-. M. Sutton and T. Williams. 1,462,774; July 24.
Roller coaster. S. Makepeace. 1,463,137; July 24.
Rolling-mill ragging mechanism. G. J. Bryen. 1,463,036; July 24.
Roof covering. E. R. Snyder and C. W. Mortimer. 1,462,772; July 24.
Routing machine. T. C. Hansen. 1,462,962; July 24.
Rubber molds, Lubricating. A. G. Voltz. 1,462,563; July 24.
Rubber, Stitching machine for joining. T. B. Huestis. 1,462,859; July 24.
Rubberized cord fabric, Apparatus for the production of weftless. E. Hopkinson and A. E. Jury. 1,462,858; July 24.
Rudder control. M. C. Baumann. 1,462,531; July 24.
Saddle. A. W. Hawkins. 1,462,885; July 24.
Saddle. F. Mesinger. 1,462,976; July 24.
Sand-blast machine. D. P. Cleveland. 1,462,786; July 24.
Sash fastener. S. R. Fetner. 1,462,637; July 24.
Sash lock. C. S. Morse. 1,462,977; July 24.
Sash, screen sash, and shutter, and window frame therefor, Window. G. W. Lancaster. 1,462,644; July 24.
Sash weight. J. F. Makepeace. 1,463,126; July 24.
Sashes for stationary window casements, Counterbalancing. G. W. Lancaster. 1,462,645; July 24.
Sashes for various metal and other casements, Counterbalancing. G. W. Lancaster. 1,462,647; July 24.
Sashes for windows, Plurality of counterbalancing. G. W. Lancaster. 1,462,646; July 24.
Saw frame, Gang-. O. L. Johnson. 1,462,553; July 24.
Saw machine, Hack-. R. Wicksteed. 1,462,779; July 24.
Saw-set tool. N. Covell. 1,462,686; July 24.
Saws, Rolls for tensioning, leveling, and straightening band. R. K. Thomas. 1,462,836; July 24.
Sawhorse. J. M. Lawlor. 1,462,707; July 24.
Sawing machinery. A. R. Nyquist and C. A. Brandt. 1,462,764; July 24.
Scale remover, Boiler-. C. H. Hoppe. 1,462,550; July 24.
Scales, Combination bag rack and auxiliary platform for. H. C. Schaper. 1,462,983; July 24.
Scenic effect, Changeable. N. V. de Lipski. 1,462,537; July 24.
Screen: *See*—
Window screen.
Seal for folders. M. Hartman. 1,463,083; July 24.
Separable fastener. A. L. Hess. 1,462,904; July 24.
Separator: *See*—
Egg separator. Spiral separator.
Sewing-machine attachment for spiral stitching. A. M. English. 1,463,116; July 24.
Sewing machine, Lock-stitch. L. E. Topham. 1,462,587; July 24.
Sewing machine, Shoe-. F. E. Valois. 1,462,777; July 24.
Sewing machines, Motor drive for. A. T. Mace. 1,462,516; July 24.
Shaft manufacture. J. J. Carter. 1,463,144; July 24.
Shank stiffener. W. H. Nickerson. 1,462,798; July 24.
Sharpening machine, Razor-blade-. V. T. Miller. 1,462,490; July 24.
Sheet gripper. F. C. Stevens. 1,462,923; July 24.
Shelf and hanger rack, Combined. A. S. Deserty. 1,462,803; July 24.
Shelf extension. W. N. Vance. 1,462,670; July 24.
Shells, Vacuum release for. P. I. Wells. 1,462,500; July 24.
Shock absorber. G. Antonelli. 1,462,731; July 24.
Shock absorber and rebound check for motor-propelled vehicles, Combined. G. G. F. Boswell. 1,462,737; July 24.
Shock absorber, Rebound-check. G. G. F. Boswell. 1,462,738; July 24.
Shock-absorbing mechanism, Friction. J. F. O'Connor. 1,462,616; July 24.
Shock compressing and binding device. J. F. Patterson. 1,462,817; July 24.
Shoe, Athletic. J. T. Riddell. 1,462,625; July 24.
Shoe, Brake. H. Jones. 1,462,967; July 24.
Shoe or similar article. W. L. Baxter. Des. 62,687; July 24.
Shredders and the like, Chip pocket for cutting. P. S. Mitts and W. J. Winston. 1,462,492; July 24.
Shuttle-balancing mechanism. E. C. Taylor. 1,462,586; July 24.
Sieve. E. J. Evans. 1,462,804; July 24.
Sign device, Change-. R. A. Willison and C. N. Esberg. 1,463,108; July 24.
Sign holder. W. B. Fink. 1,462,790; July 24.
Signal: *See*—
Automobile traffic signal. Crossing signal.
Signal and license-display device, Combined. F. Bisch. 1,462,953; July 24.
Sleigh, Motor. J. Krysiak. 1,463,042; July 24.
Slicer. L. F. Maus. 1,462,717; July 24.
Smoking mixture. F. J. Bosse. 1,462,480; July 24.
Smoking pipe. J. B. Frost. 1,462,905; July 24.
Snow guard and fender. H. N. Sieger. 1,463,065; July 24.
Snow remover. M. J. Tully. 1,462,527; July 24.
Snowplow. G. S. Brecht. 1,462,901; July 24.
Sole or tap. D. Freeman. Des. 62,716; July 24.
Sound-emission device. M. De Cesare. 1,463,008; July 24.
Spanner. W. R. K. Gandell. 1,463,077; July 24.
Spark arrester. C. D. Wright. 1,462,728; July 24.
Spat and legging, Combined. G. J. Nichols. Des. 62,741; July 24.
Speed-change worm transmission. M. O. Berg. 1,463,001; July 24.
Speed-controlling mechanism. C. H. Gill. 1,462,807; July 24.
Spiral casing. H. B. Taylor. 1,462,890; July 24.
Spiral separator. F. Pardee. 1,462,618; July 24.

Spools, Tension regulator for selvage. C. F. Lavalle. 1,462,604; July 24.
Spoon or similar article. E. Fuchs. Des. 62,718; July 24.
Spotlamps, Automatic switch control for. E. G. K. Anderson. 1,462,473; July 24.
Spout for cans, Collapsible. R. K. Hall. 1,462,749; July 24.
Sprayer. H. D. Lathrop. 1,462,970; July 24.
Spring mounting. M. Stadtler. 1,462,990; July 24.
Spring wheel. B. B. Holmes. 1,463,135; July 24.
Stamp container. L. Cox. 1,462,535; July 24.
Stand: *See*—
Switch stand. Umbrella stand.
Statuette. Y. T. Goodwin. Des. 62,721; July 24.
Steam boiler. W. Nakagawa. 1,462,763; July 24.
Stepladder, Collapsible. L. Simonich. 1,463,023; July 24.
Stitching machine. G. P. Baumann. 1,462,898; July 24.
Stitching mechanism. L. Sartore. 1,462,521; July 24.
Stock-tank heater. A. L. Steinke. 1,463,099; July 24.
Stove, Gas. J. H. Sattler. 1,462,661; July 24.
Strainer. J. H. Crary. 1,463,067; July 24.
Structure and block thereof, Cylindrical. F. and I. Le Cocq. 1,462,605; July 24.
Suction-cleaner attachment. H. E. Hoover. 1,462,575; July 24.
Suction cleaners, Brush-adjusting device for. F. M. Case. 1,462,568; July 24.
Suit boxes, Carrier for. S. Schuman. 1,462,831; July 24.
Sweeper, Suction. H. E. Hoover. 1,462,574; July 24.
Swing. J. L. Martin. 1,462,796; July 24.
Switch: *See*—
Automobile light-dimmer switch. Electrical switch.
Lock switch.
Switch stand. F. C. Anderson. 1,463,140; July 24.
Syringes, Liquid container for fountain. A. C. Crimmel. Des. 62,691; July 24.
Table: *See*—
Portable table.
Tank: *See*—
Aseptic tank. Glass-melting tank.
Telegraphs, Method of and apparatus for operating printing. E. E. Kleinschmidt. 1,463,136; July 24.
Telephone system, Automatic. W. T. Powell. 1,462,819; July 24.
Telephone system, Measured-service. W. W. Owen. 1,462,719; July 24.
Temperature alarm. O. H. Ludeman. 1,462,887; July 24.
Testing machine, Impact. D. J. McAdam, jr. 1,462,813; July 24.
Thermometer. H. P. Milker and A. Roesch. 1,462,797; July 24.
Thread-cutting machine. F. H. Mooney. 1,463,019; July 24.
Tile, Hollow building. R. P. Berkes. 1,462,593; July 24.
Timepiece holder. G. S. Lowndes, jr. 1,462,915; July 24.
Timer. A. W. Holway. 1,462,700; July 24.
Tire bead and making the same. M. A. Marquette. 1,462,517; July 24.
Tire casing. F. G. Schenuit. 1,462,984; July 24.
Tire-chain carrier. J. J. Eyre. 1,462,789; July 24.
Tire-chain lock and elastic take-up. A. A. Smith and H. W. Paine. 1,462,666; July 24.
Tire chains, Hook for. C. H. Widstrand. 1,462,590; July 24.
Tire, Cushion. F. A. Krusemark. 1,462,760; July 24.
Tire filler. S. Vitaliano. 1,462,837; July 24.
Tire-mold-clamping bolt. E. Lux. 1,462,712; July 24.
Tire, Pneumatic. J. A. Rogers. 1,462,942; July 24.
Tire-stripping apparatus. W. C. Stevens. 1,462,524; July 24.
Tires and tubes, Blow-out patch and tire reenforcer for automobile. A. S. Thoresen and F. E. Benoit. 1,462,628; July 24.
Toilet-seat cover, Sanitary. J. L. Schaefer. 1,462,662; July 24.
Tone-arm stop. R. H. Weltershausen. 1,463,107; July 24.
Tongs, Ice. D. Henderson. 1,462,758; July 24.
Tool. O. D. Hapgood. 1,462,963; July 24.
Torch for use in electric welding and holder therefor. C. C. Peeler. 1,462,720; July 24.
Toy. R. Bantle. 1,463,032; July 24.
Toy. J. W. Rollefson. 1,462,660; July 24.
Tractor draft appliance. H. E. Counter. 1,462,685; July 24.
Tractor hitch. G. E. Hollman. 1,462,930; July 24.
Train and platform, Passenger. L. Newman. 1,462,868; July 24.
Train stop, Automatic. E. R. Salazar. 1,463,096; July 24.
Transmission mechanism, Automatic crank. C. H. Gill. 1,462,810; July 24.
Transmission mechanism, Self-adjusting. C. H. Gill. 1,462,809; July 24.
Transparency, Ornamental. J. T. Boyle. 1,462,481; July 24.
Trap: *See*—
Animal trap. Rat trap.
Trap. A. R. Gilmore and G. R. Carson. 1,463,117; July 24.
Trays, Detachable foot for wire. F. M. Snyder. 1,463,098; July 24.
Trimmers, Adjusting mechanism for. R. Beynon and J. C. Hintz. 1,462,478; July 24.
Trolley frog and electric cut-out, Combined. C. M. Andrews. 1,463,029; July 24.
Trolley, Slide. P. Schultz. 1,462,770; July 24.
Trusses, Machine for assembling. C. F. Huntoon. 1,462,552; July 24.
Tubes, Method of and apparatus for enameling. N. Marshall. 1,462,608; July 24.
Tunneling machine. L. W. Anderson. 1,462,997; July 24.
Turbine, Hydraulic. J. S. Carpenter. 1,462,483; July 24.
Turboblower, Counter-rotation. O. D. H. Bentley. 1,462,592; July 24.
Turning machine, Forepart-. F. A. Reardon. 1,462,823; July 24.
Turpentine substitute and product therefrom, Making. W. B. Logan. 1,463,122; July 24.
Typesetting machines, Gas governor for. H. W. Partlow. 1,462,816; July 24.
Typewriter attachment. F. Gray. 1,463,080; July 24.
Typewriting machine. F. A. Hart. 1,462,697; July 24.
Typewriting machine. E. B. Hess. 1,462,912–13; July 24.
Typewriting machine. W. H. Hulse. 1,462,886; July 24.
Typewriting machine. M. W. Pool. 1,462,980; July 24.
Umbrella stand, Portable. L. H. Noble. 1,462,615; July 24.
Uppers, Making seamless. D. G. Carter. 1,463,066; July 24.
Valve. J. W. Pearson and J. S. Power. 1,463,093; July 24.
Valve. A. Stenwall. 1,462,834; July 24.
Valve block for compressors or pumps. N. H. Hiller. 1,462,857; July 24.
Valve, Clapper. A. F. Thorsten. 1,463,103; July 24.
Valve device, Triple-. C. C. Farmer. 1,463,039; July 24.
Valve, Expanding gate. E. Edler. 1,462,635; July 24.
Valve, Expansion. C. C Hanson and J. Twardowsky. 1,462,696; July 24.
Valve, Float-controlled. W. L. Hawes. 1,462,599; July 24.
Valve, Gas distributing and governing. H. R. Jackson and H. A. May. 1,462,641; July 24.
Valve, Hollow-stem suction. P. R Rothe. 1,462,519; July 24.
Valve lathe. C. G. Turngren. 1,462,669; July 24.
Valve mechanism. H. A. Myers. 1,462,651; July 24.
Valve, Pressure-regulating. B. E. Holton. 1,462,937; July 24.
Valve-stem carbon remover. A. R. Schmidt. 1,462,581; July 24.
Valve with parallel steam-tight surfaces, High-pressure slide stop. E. Edler. 1,462,636; July 24.
Valves, Tool for removing. J. B. Morris. 1,463,130; July 24.
Vapor burner. O. I. Straub and F. G. Wahl. 1,463,101; July 24.
Vaporizer. F. V Hadley, S. Barnaby, and J. O. Clarke. 1,462,504; July 24.
Vehicle attachment, Motor-. J. F. Garvey. 1,462,744; July 24.
Vehicle brake. M. Adenot. 1,463,112; July 24.
Vehicle handhold. T. K. Jackson. 1,462,914; July 24.
Vehicle side-curtain construction. H. W. Tinker, jr. 1,462,992; July 24.
Vehicles, Air-cushion bumper for motor. B. Lewandowski. 1,462,561; July 24.
Vehicles, Collapsible hood or roof of. G. Baehr. 1,463,030; July 24.
Ventilator. G. C. Walker. 1,462,924; July 24.
Vermin-exterminating structure, Plant-. J. M. Jordan. 1,462,861; July 24.
Vessel. K. G. Hanhart. 1,462,543; July 24.
Voting-machine registers, etc., Operating device for. C. H. Veeder. Re15,662; July 24.
Wainscoting element. J. Kälin. 1,463,041; July 24.
Wall and making same. J. S. Fluor. 1,462,934; July 24.
Wall construction. C. V. Pierson. 1,463,021; July 24.
Warp stop motion. E. R. Holmes. 1,462,548 July 24.
Washing machine. G. S. Blakeslee. 1,462,734; July 24.
Washing machine. G. S. Blakeslee. 1,462,735; July 24.
Washing machine. F. Fenselau and G. W. Thompson. 1,462,854; July 24.
Washing machine. A. K. Hanson. 1,462,911; July 24.
Washing machine. A. Humberger. 1,463,016; July 24.
Washing machines, Automatic clutch-shifting mechanism for. P. Makowski. 1,462,974; July 24.
Washing machines, Wringer and motor support for. N. Lombard. 1,462,939; July 24.
Washtub. M. Hagaman. 1,462,573; July 24.
Waste-burning furnace. C. Rees. 1,462,720; July 24.
Watchcase. G. J. Keller. Des. 62,733; July 24.
Water heater. J. W. Meyer. 1,462,611; July 24.
Water heater, Electric. W. S. Jones. 1,462,703; July 24.
Water heater, Instantaneous, hot-. H. and H. Sirot. 1,462,988; July 24.
Waterproof carrying case. J. D. Kelly. 1,463,086; July 24.
Weft-detector mechanism. C. E. Knowlton and E. H. Ryon. 1,462,554; July 24.

Welding circuit, Condensing. J. H. Gravell. 1,462,572; July 24.
Well-drilling apparatus. S. J. Mathews. 1,462,975; July 24.
Wheel: *See*—
Metal wheel. Spring wheel.
Resilient wheel.
Wheel. H. J. Adams. 1,462,754; July 24.
Wheel. E. J. Dotterweich. 1,462,884; July 24.
Wheel puller and emergency hub. E. D. Ainsworth. 1,462,843; July 24.
Wheels, Laminated structure for. A. R. Cowden and E. J. B. Gorman. 1,462,687; July 24.
Window-cleaners' harness, Locked anchorage for. B. Kugler. 1,462,761; July 24.
Window fastener. A. F. Lagerstrom. 1,462,762; July 24.
Window screen. G. W. Johnston. 1,463,121; July 24.
Wiping-down device. C. H. Oslund. 1,462,940; July 24.
Wire, chain, woven-wire fencing, and the like, Apparatus for metal-coating. E. L. Watrous. 1,462,589; July 24.
Wrench. F. J. Dorsch. 1,462,788; July 24.
Yarn-tube frame. J. G. Soderberg. 1,462,523; July 24.
Yarn-tube frames, Spool-bearing bracket for. E. H. Ryon. 1,462,520; July 24.
Yoke, Cattle. P. C. Gallaway. 1,462,743; July 24.

CLASSIFICATION OF PATENTS

ISSUED JULY 24, 1923.

NOTE.—First number=class, second number=subclass, third number=patent number.

1— 15: 1,462,898
2— 73: 1,462,966
122: 1,462,564
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149: 1,462,532
4— 18: 1,462,662
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5— 118: 1,462,667
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359: 1,462,668
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9: 1,462,933
8— 6: 1,462,613
9— 2: 1,462,769
1,462,800
10— 27: 1,462,775
154: 1,463,019
167: 1,462,629
12— 20: 1,462,792
57: 1,462,823
14— 1: 1,462,541
15— 23: 1,462,909
60: 1,462,512
69: 1,462,598
90: 1,463,075
104.01: 1,462,895
111: 1,462,829
158: 1,462,568
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228: 1,462,794
265: 1,462,597
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130: 1,462,759
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19— 139: 1,462,774
20— 1.01: 1,462,781
4: 1,462,648
15: 1,463,041
22: 1,462,565
23: 1,463,100
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28: 1,462,752
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194: 1,462,981
230.5: 1,462,590
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85: 1,462,843
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86.3: 1,463,130
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164: 1,462,876
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180: 1,462,926

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265— 13: 1,462,813
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51: 1,462,983
266— 10: 1,462,639
267— 17: 1,462,738
20: 1,462,731
29: 1,462,737
72: 1,462,666
268— 9: 1,463,079
271— 75: 1,462,923
274— 9: 1,462,867
1,463,107
271— 32: 1,462,729
280— 16: 1,462,889
33.10: 1,462,930
33.44: 1,462,685
1,462,921
104: 1,462,638
150: 1,462,914
281— 38: 1,462,683
285— 58: 1,462,821
94: 1,462,830
140: 1,462,698
175: 1,462,824
286— 16: 1,462,518
31: 1,462,834
287— 126: 1,463,084
290— 38: 1,462,973
292— 60: 1,462,727
74: 1,463,119
114: 1,462,477
1,462,493
140: 1,462,805
175: 1,462,657
194: 1,462,762
219: 1,462,916
227: 1,462,637
228: 1,462,977
275: 1,462,872
292— 328: 1,462,588
348: 1,462,827
293— 55: 1,462,561
1,462,910
1,462,956
294— 106: 1,462,758
107: 1,462,787
296— 28: 1,462,996
45: 1,462,992
1,463,030
51: 1,462,814
95: 1,462,545
1,462,726
299— 34: 1,462,902
87: 1,462,970
301— 22: 1,462,529
63: 1,462,687
64: 1,462,754
65: 1,462,884
66: 1,462,957
303— 6: 1,463,040
18: 1,463,026
35: 1,463,039
304— 5: 1,462,707
305— 6: 1,463,042
306— 4: 1,462,575

ALPHABETICAL LIST OF REGISTRANTS OF TRADE-MARKS.

Abbreviated Kansas City Macaroni Co., The. (See Kansas City Macaroni & Importing Co.)
Alaga & Forencich Co., Watsonville, Calif. Fresh apples. 171,104; July 31; Serial No. 174,422; published May 8, 1923.
Albers Bros. Milling Co., Seattle, Wash. Breakfast cereal food. 171,265; July 31; Serial No. 169,270; published Apr. 3, 1923.
Alling & Cory Co., The, Rochester, N. Y. Wrapping paper. 171,001; July 31; Serial No. 177,158; published Apr. 24, 1923.
American Burtonizing Company and Wallerstein Laboratories, New York, N. Y. Dextrinous sirup used in making beverages. 171,140; July 31; Serial No. 160,178; published May 1, 1923.
American Cone and Pretzel Company, doing business as Continental Packing Corporation, Philadelphia, Pa. Canned peaches, tomatoes, and sweet potatoes. 171,170; July 31; Serial No. 171,397; published May 1, 1923.
American Cone and Pretzel Company, doing business as Continental Packing Corporation, Philadelphia, Pa. Canned beans, tomatoes, sweet potatoes, peaches, chili sauce, and catchup put up in containers. 171,171; July 31; Serial No. 171,398; published May 1, 1923.
American Cone and Pretzel Company, doing business as Continental Packing Corporation, Philadelphia, Pa. Canned peaches, canned Lima beans, beans, tomatoes, and sweet potatoes. 171,172; July 31; Serial No. 171,400; published May 8, 1923.
American Copper Products Corporation, Elizabeth Port, N. J Bare and insulated wire, cable, and cordage for electrical purposes. 171,030; July 31; Serial No. 160,685; published Apr. 24, 1923.
American Crayon Company, The, Sandusky, Ohio. Crayons and pencils. 171,221; July 31; Serial No. 177,347; published May 8, 1923.
American Range & Foundry Company, Minneapolis, Minn. Clothes-washing machines. 171,081; July 31; Serial No. 173,552; published Apr. 24, 1923.
American Sport Shop, Inc., New York, N. Y. Sporting goods—namely, ice skates. 171,120; July 31; Serial No. 175,453; published Apr. 24, 1923.
American Tea & Coffee Co., Inc., Nashville, Tenn. Spices. 171,194; July 31; Serial No. 141,447; published May 15, 1923.
American Writing Paper Company, Holyoke, Mass. Writing and printing paper, and mailing envelopes. 171,051; July 31; Serial No. 175,540; published May 15, 1923.
Angeles Packing Company. (See Conniff, Harry.)
Arcady Farms Milling Company, Chicago, Ill. Prepared feed for animals, comprising feed for poultry and live stock. 171,029; July 31; Serial No. 160,847; published Mar. 27, 1923.
Asiatic Import Co., Inc., New York, N. Y. Toy animals. 171,228; July 31; Serial No. 177,030; published Apr. 24, 1923.
Auto Products Mfg. Co. Inc., Buffalo, N. Y. Auto products. 171,035; July 31; Serial No. 158,744; published May 8, 1923.
Automatic Refrigerating Company, The, Hartford, Conn. Refrigerating apparatus. 170,998; July 31; Serial No. 177,644; published May 15, 1923.
Babcock & Shannon Co., Albany, N. Y. Pants, jackets, and overalls, coats, etc. 171,268; July 31; Serial No. 168,870; published May 8, 1923.
Babcock & Shannon Co., Albany, N. Y. Collars, neckties, suspenders, etc. 171,269; July 31; Serial No. 168,869; published May 8, 1923.
Ball, F. M., & Company, San Francisco, Calif. Canned fruits and vegetables. 171,101; July 31; Serial No. 174,229; published May 15, 1923.
Ballard & Ballard Company, Louisville, Ky. Prepared flour containing wheat flour, bran, sugar, and salt. 171,034; July 31; Serial No. 159,081; published Mar. 27, 1923.
Bamberger Reinthal Co., The, Cleveland, Ohio. Knitted caps. 171,201; July 31; Serial No. 151,864; published May 8, 1923.
Barton, H. H., and Son Co. Inc., Philadelphia, Pa. Aluminum-oxide paper, carbon paper, electric abrasive cloth, etc. 171,082; July 31; Serial No. 173,461; published Apr. 24, 1923.
Baumann, Carl A., doing business as Lake Mills Milk Company, Jefferson, Wis. Canned evaporated milk. 171,206; July 31; Serial No. 155,662; published May 8, 1923.
Becker Paper Corporation, New York, N. Y. Writing and bond paper. 170,997; July 31; Serial No. 178,209; published May 15, 1923.
Beougher, Lawrence E., McFarland, Calif. Polishes for automobiles and furniture. 171,166; July 31; Serial No. 176,781; published Apr. 24, 1923.
Berkeley Light Corporation, San Francisco, Calif. Electric headlights and flood lights. 171,040; July 31; Serial No. 137,513; published Apr. 24, 1923.
Berlin & Jones Company, Inc., New York, N. Y. Writing paper and envelopes. 171,167; July 31; Serial No. 176,783; published May 8, 1923.
Bern, Philip S., doing business as Philsbern Products Co., New York, N. Y. Furniture and automobile polishes with incidental properties as metal polishes. 171,092; July 31; Serial No. 174,505; published May 15, 1923.
Bernstein, Louis, doing business as Princess Dress House, New York, N. Y. Ladies' dresses of silk, cotton, etc. 171,267; July 31; Serial No. 169,235; published May 8, 1923.
Bevin-Wilcox Line Company, East Hampton, Conn. Fishlines. 171,121; July 31; Serial No. 175,595; published Apr. 24, 1923.
Blackbird Factories, Inc., Los Angeles, Calif. Typewriter ribbons. 171,195; July 31; Serial No. 146,950; published Apr. 24, 1923.
Blaisdell Pencil Company, Philadelphia, Pa. Lead pencils. 171,004; July 31; Serial No. 176,943; published Apr. 24, 1923.
Bliss Company, Inc., New York, N. Y. Memorandum-paper holder. 171,159; July 31; Serial No. 176,321; published May 1, 1923.
Bolinger, W. A., doing business as Bolinger Orchards, Methow, Wash. Fresh apples. 171,071; July 31; Serial No. 171,896; published May 8, 1923.
Borden Company, The, New York, N. Y. Chocolate cubes. 171,273; July 31.
Borgfeldt, George, & Co., New York, N. Y. Dolls. 171,046; July 31; Serial No. 175,338; published May 15, 1923.
Bost, William D., Chicago, Ill. Beverages sold as soft drinks and sirups, etc., for making same. 171,058; July 31; Serial No. 176,444; published May 15, 1923.
Bowers, Claude E., doing business as Bowers Manufacturing Company, Los Angeles, Calif. Self-propelled toy vehicles. 171,227; July 31; Serial No. 177,067; published Apr. 24, 1923.
Bowers Manufacturing Company. (See Bowers, Claude E.)
Braw Laddie Golf Company, Oakland, Calif. Golf clubs. 171,153; July 31; Serial No. 176,062; published Apr. 24, 1923.
Britton, Albert, Myrtle Point, Oreg. Cream cheese. 171,025; July 31; Serial No. 168,097; published Apr. 3, 1923.
Brown Company, Portland, Me., and Berlin, N. H. Fiber conduits for electrical purposes. 171,053; July 31; Serial No. 175,709; published Apr. 24, 1923.
Buckeye Ribbon & Carbon Co., The, Cleveland, Ohio. Carbon paper and typewriter ribbons. 171,183; July 31; Serial No. 172,080; published Apr. 24, 1923.
Bunnie Hat Co., Inc., Reading, Pa. Hats for men and boys. 171,134; July 31; Serial No. 159,552; published May 8, 1923.
Butler, James, Inc., New York, N. Y. Bread. 171,067; July 31; Serial No. 162,240; published Mar. 27, 1923.
C & T Importing Company, San Francisco, Calif. Tea. 171,185; July 31; Serial No. 171,984; published May 15, 1923.
Cactus Crystal Company, Dover, Del., and Fort Worth, Tex. Candy. 171,173; July 31; Serial No. 171,449; published Mar. 27, 1923.
California Citrus Fruit Juice Company, Wilmington, Del., and San Francisco, Calif. Nonalcoholic, maltless, concentrated fruit juices. 171,155; July 31; Serial No. 176,163; published May 1, 1923.
California Growers Association, Inc., Los Angeles, Calif. Canned fruits and canned vegetables, jams, preserves, dried fruits, etc. 171,252; July 31; Serial No. 169,844; published May 15, 1923.
California Underwear and Hosiery Mills, doing business as California Underwear Mills, Los Angeles, Calif. Ladies' knit underwear. 171,255; July 31; Serial No. 169,619; published May 1, 1923.
Can-Ho-Lab. Chemical Co., New Orleans, La. Insecticide and germicide. 171,091; July 31; Serial No. 173,401; published Apr. 24, 1923.
Capital City Bottling Company. (See Eisenberg, M. L.)
Carroll, John A., doing business as Liquid Wrench Company, Schenectady, N. Y. Compound for loosening tight nuts on bolts and lubricating leaf springs. 171,216; July 31; Serial No. 177,726; published May 15, 1923.
Casey, John T., doing business as United States Juvenile Vehicle Co., Philadelphia, Pa. Wheeled toys, more particularly walking velocipedes. 171,232; July 31; Serial No. 170,968; published May 1, 1923.
Certified Foods, Westfield, Mass. Food preparation consisting of a vegetable seasoning. 171,065; July 31; Serial No. 163,918; published Apr. 3, 1923.
Charlotte Electric Repair Company, Inc., Charlotte, N. C. Electric motors, generators, and transformers. 171,119; July 31; Serial No. 175,300; published Apr. 24, 1923.
Chillicothe Paper Company, The, Chillicothe, Ohio. Book, bond, and writing paper; 171,109; July 31; Serial No. 174,610; published Apr. 24, 1923.

Chocolate Products Company, Baltimore, Md. Candy. 171,180; July 31; Serial No. 171,686; published May 1, 1923.

Cincinnati Cloak & Suit Company, The, Cincinnati, Ohio. Ladies' and misses' suits, coats, dresses, furs, etc. 171,246; July 31; Serial No. 169,948; published May 8, 1923.

Clark, L. H., Mfg. Co. Inc., Brooklyn, N. Y. Nightgowns. 171,251; July 31; Serial No. 169,891; published May 1, 1923.

Close, George, Co., The, Cambridge, Mass. Candy. 171,237; July 31; Serial No. 170,564; published May 8, 1923.

Coleman and Company, Limited, Norwich, England. Food preparations containing extract of meat and other ingredients. 171,193; July 31; Serial No. 140,919; published May 8, 1923.

Collins, J. N., Company, Minneapolis, Minn. Candies. 171,250; July 31; Serial No. 160,488; published Dec. 12, 1922.

Collins Mfg. Co., Holyoke, Mass. Bond writing and printing paper. 171,017; July 31; Serial No. 168,836; published May 15, 1923.

Comet's California Orange Drink Co., Los Angeles, Calif. Nonalcoholic, maltless orange drink. 171,059; July 31; Serial No. 176,452; published May 15, 1923.

Conniff, Harry, doing business as Angeles Packing Company, Seattle, Wash. Canned salmon. 171,236; July 31; Serial No. 170,566; published May 1, 1923.

Continental Packing Corporation. (See American Cone and Pretzel Company.)

Cooknut Corporation, The, Baltimore, Md. Cottonseed oil. 171,052; July 31; Serial No. 175,652; published May 15, 1923.

Cooknut Corporation, The, Baltimore, Md. Vegetable lard substitute. 171,127; July 31; Serial No. 175,651; published May 15, 1923.

Corn Products Refining Co., New York, N. Y. Edible corn oil. 171,176; July 31; Serial No. 171,487; published May 1, 1923.

Crawford Farms, Incorporated, Millbrook, N. Y. Cheese. 171,023; July 31; Serial No. 168,025; published Apr. 3, 1923.

Crawford Farms, Incorporated, Millbrook, N. Y. Cheese. 171,024; July 31; Serial No. 168,026; published Mar. 27, 1923.

Cross, Henry H., Company, Chicago, Ill. Motor oil. 171,117; July 31; Serial No. 175,189; published May 1, 1923.

Dalton, Whittier, True Company, Chicago, Ill. Electrical control apparatus. 171,084; July 31; Serial No. 174,201; published Apr. 24, 1923.

Daltroff, E., & Cie., doing business as Parfumerie Caron, Paris, France. Perfume, toilet water, rouges, etc. 171,100; July 31; Serial No. 174,169; published Apr. 24, 1923.

Davis Chemical Company, Toledo, Ohio. Dry cleaner. 171,203; July 31; Serial No. 152,834; published Apr. 24, 1923.

Dean, Edwin, Hoboken, N. J. Candy. 171,261; July 31; Serial No. 169,435; published May 15, 1923.

Dennison Manufacturing Co., Framingham, Mass. Tags. 171,160; July 30; Serial No. 176,330; published May 1, 1923.

Devoto y Cauchaner, Buenos Aires, Argentina. Soaps, pastes, powders, and liquids for cleaning metal, wood, leather, and clothing. 171,072; July 31; Serial No. 171,729; published Apr. 3, 1923.

Diamond Cake Company, Philadelphia, Pa. Cake. 170,141; July 31; Serial No. 160,239; published Mar. 27, 1923.

Diamond Manufacturing Company. (See Ewing, Joseph H.)

Eagle Tea & Coffee Company, Inc., The New York, N. Y. Coffee and tea. 171,164; July 31; Serial No. 176,672; published May 22, 1923.

Easton, Gilbert J., Newark, N. J. Vegetable relishes. 171,182; July 31; Serial No. 172,149; published May 8, 1923.

Ecometer Manufacturing Company, Inc., Orange, N. J. Ignition-timing devices for internal-combustion engines. 171,037; July 31; Serial No. 151,151; published Apr. 24, 1923.

Eisenberg, M. L., doing business as Capital City Bottling Company, Montgomery, Ala. Beverage sold as soft drink. 171,047; July 31; Serial No. 175,349; published May 15, 1923.

Eisenberg, M. L., doing business as Capital City Bottling Company, Montgomery, Ala. Ginger ale. 171,048; July 31; Serial No. 175,350; published May 15, 1923.

Eisenberg, M. L., doing business as Capital City Bottling Company, Montgomery, Ala. Maltless soft drinks. 171,049; July 31; Serial No. 175,357; published May 15, 1923.

Eisenlohr, Otto, & Bros., Incorporated, Philadelphia, Pa. Cigars. 171,220; July 31; Serial No. 177,477; published Apr. 24, 1923.

Ewing, Joseph H., doing business as Diamond Manufacturing Company, Malta, Ohio. Gaming devices. 171,103; July 31; Serial No. 174,360; published May 1, 1923.

Fair, The, Chicago, Ill. Men's and boys' suits and overcoats. 171,202; July 31; Serial No. 152,124; published May 1, 1923.

Feldbaum & Spiegel, Inc., New York, N. Y. Fur coats, capes, stoles, and fur garments. 171,260; July 31; Serial No. 169,439; published May 8, 1923.

Field, Guy M., High Point, N. C. Powder to be used in the preparation of salad dressing. 171,230; July 31; Serial No. 171,158; published May 8, 1923.

Flannery, John R., Pittsburgh, Pa. Gear shifts and parts thereof for motor vehicles. 171,108; July 31; Serial No. 174,566; published Apr. 24, 1923.

Flood & Conklin Company, Newark, N. J. Pyroxylin thinner. 171,213; July 31; Serial No. 178,174; published May 15, 1923.

Fuld, William, Baltimore, Md. Figure toys. 171,003; July 31; Serial No. 176,961; published May 15, 1923.

Fulghum & Company, Los Angeles, Calif. Hair nets. 171,162; July 31; Serial No. 176,613; published May 1, 1923.

Funke, Edward, doing business as Near East Trading Co., New York, N. Y., assignor to Valley of the Kings Corporation, New York, N. Y. Cigarettes. 170,999–171,000; July 31; Serial Nos. 177,553–4; published July 31, 1923.

Gaffey, John T., doing business as Mah Juck Mfg. Co., San Pedro, Calif. Racks used in connection with the game Mah Juck. 171,043; July 31; Serial No. 174,770; published May 15, 1923.

Gamble, Helen C., New Brunswick, N. J. Hat bags. 171,218; July 31; Serial No. 177,664; published May 15, 1923.

Garnet, George H., doing business as The George H. Garnet Company, Allentown, Pa. Ice cream inclosed in pastry. 171,144; July 31; Serial No. 161,251; published Apr. 17, 1923.

Garrett and Co., Inc., Brooklyn, N. Y. Beverages sold as soft drinks and syrups for preparing same. 171,098; July 31; Serial No. 174,077; published May 1, 1923.

Geltman, Israel, New York, N. Y. Cheese, mustard, farina, tea, coffee, chocolate, condensed milk, rice, etc. 171,078; July 31; Serial No. 169,751; published Apr. 3, 1923.

George Close Co., The, Cambridge, Mass. Candy. 171,238; July 31; Serial No. 170,562; published May 1, 1923.

Ghriskey's, Charles M., Sons, Philadelphia, Pa. Tennis-tape reels, baseballs, baseball gloves and mitts, baseball bats, etc. 171,174; July 31; Serial No. 171,456; published May 1, 1923.

Gillett Chemical Works. (See Gillett, Clyde R.)

Gillett, Clyde R., doing business as Gillett Chemical Works, Sacramento, Calif. Lubricating oils. 171,264; July 31; Serial No. 169,293; published May 15, 1923.

Goeller's, M. G., Sons, Circleville, Ohio. Brooms. 171,054; July 31; Serial No. 175,861; published May 15, 1923.

Goldberg, Samuel A., Chicago, Ill. Hosiery. 171,241; July 31; Serial No. 170,375; published May 8, 1923.

Goldsmith's, P. S., Sons, Cincinnati, Ohio. Bat bags, baseball caps, bathing caps, college caps, men's sport clothes, ladies' sport clothes, etc. 171,192; July 31; Serial No. 139,353; published May 8, 1923.

Golf Progress Company. (See Miller, Arnold W.)

Goodlatte, T. R., & Sons (Inc.), Clifton, N. J. Oilcloth. 171,118; July 31; Serial No. 175,193; published Apr. 24, 1923.

Graham Mill & Elevator Co., Graham, Tex. Wheat flour. 171,033; July 31; Serial No. 159,311; published Mar. 27, 1923.

Great Falls Manufacturing Company, Somersworth, N. H. Cotton piece goods. 171,189; July 31; Serial No. 157,367; published Apr. 3, 1923.

Greenebaum, Weil & Michels, San Francisco, Calif. Hosiery. 171,256; July 31; Serial No. 169,590; published May 8, 1923.

Greenfield's, E., Sons, New York and Brooklyn, N. Y. Chocolates and candies. 171,240; July 31; Serial No. 170,385; published May 15, 1923.

Griffin, Robert, Company, The, Jersey City, N. J. Wall paper. 171,143; July 31; Serial No. 161,250; published May 1, 1923.

Grimes, David, doing business as Grimes Radio Engr. Co., New York, N. Y. Radio receiving outfits. 171,042; July 31; Serial No. 174,657; published Apr. 24, 1923.

Gunckel, Will H., Toledo, Ohio. Beverage sold as a soft drink. 171,137; July 15; Serial No. 159,700; published May 1, 1923.

H. E. M. Mfg. Co., The, Hamilton, Ohio. Toy coasters. 171,151; July 31; Serial No. 176,023; published Apr. 24, 1923.

Haas Brothers, San Francisco, Calif. Canned fruits and vegetables. 171,110; July 31; Serial No. 174,694; published May 8, 1923.

Haiku Fruit & Packing Co., Haiku, Maui, Hawaii, and San Francisco, Calif. Canned pineapple. 171,266; July 31; Serial No. 169,243; published May 8, 1923.

Halpern, Irving J., doing business as Noise Making Devices Company, New York, N. Y. Hand rattles. 171,114; July 31; Serial No. 174,961; published May 1, 1923.

Halpern & Kalb, Inc., New York, N. Y. Knitted outer garments. 171,244; July 31; Serial No. 170,186; published May 1, 1923.

Hardy, Mary M., & Florence H. Baird, South Orange, N. J. Candles. 171,111; July 31; Serial No. 174,737; published May 8, 1923.

Hawaiian Pineapple Company, Limited, San Francisco, Calif., and Honolulu, Hawaii. Canned pineapple. 171,197; July 31; Serial No. 147,426; published May 8, 1923.

Hennessy, Francis W., Providence, R. I. Clothes-supporting racks. 171,069; July 31; Serial No. 172,836; published Apr. 24, 1923.

Hershey Chocolate Company, Hershey, Pa. Chocolate mixture used as a food and in the preparation of food. 171,063; July 31; Serial No. 166,453; published Feb. 20, 1923.

Hershey Chocolate Company of New York, Inc., New York, N. Y. Sugar coated raisins. 171,129; July 31; Serial No. 158,774; published Apr. 17, 1923.

Highland Cordage Company, Highland and Hickory, N. C. Cords, twines, ropes, and lines. 171,217; July 31; Serial No. 177,668; published May 15, 1923.

Hipp, Dildisheim Company, Inc., New York, N. Y. Watches, watch movements, and parts of same. 171,061; July 31; Serial No. 174,621; published Apr. 24, 1923.

Hirsch, Walter J., Company, Chicago, Ill. Candy. 171,147; July 31; Serial No. 162,547; published May 15, 1923.

Hollins, William, & Company, Inc., New York, N. Y. Wool, silk, cotton, and mixtures of same piece goods. 171,272; July 31.

Horn, A. C., Company, New York, N. Y. Ready-mixed paint for plastered walls, brick or concrete surface, wood and metal trim. 171,165; July 31; Serial No. 176,738; published May 1, 1923.

Horrocks-Ibbotson Co., Utica, N. Y. Fishing flies and artificial bait. 171,083; July 31; Serial No. 173,601; published May 15, 1923.

Hunt, C. Howard, Pen Company, Camden, N. J. Pens. 171,154; July 31; Serial No. 176,128; published May 1, 1923.

Hygienic Fibre Company, Versailles, Conn., and New York, N. Y. Absorbent cotton and gauze, absorbent waste, bandage rolls, etc. 171,215; July 31; Serial No. 177,784; published May 15, 1923.

International Supply Company, Boston, Mass. Sliding casters. 171,179; July 31; Serial No. 171,697; published Apr. 24, 1923.

Jamewny Co. (See Wayborn, James A.)

Jean, C. W., Company, Worthington, Ind. Eggs. 171,041; July 31; Serial No. 112,202; published May 8, 1923.

Jimmy Boy Doll Co. (See Kelley, Lucille B.)

John L. Whiting-J. J. Adams Company, Boston, Mass. Brushes for painting, varnishing, or applying various liquids. 171,060; July 31; Serial No. 175,585; published May 15, 1923.

Johnson, Walter J., Columbus, Ohio. Carbon paper, typewriter and multigraph ribbon. 171,074; July 31; Serial No. 171,221; published Apr. 24, 1923.

Johnston, Robert A., Company, Milwaukee, Wis. Candy. 171,128; July 31; Serial No. 175,659; published May 15, 1923.

Jones, Yess, doing business as Whistle Company, New York, N. Y. Concentrated sirups for manufacture of nonalcoholic, maltless beverages, etc. 171,018; July 31; Serial No. 167,247; published May 8, 1923.

Jones, Yess, doing business as Whistle Company, New York, N. Y. Cigarettes, cigars, smoking and chewing tobacco, etc. 171,062; July 31; Serial No. 167,245; published May 8, 1923.

Jordan Marsh Company, Boston, Mass. Electric sadirons. 171,085; July 31; Serial No. 173,890; published Apr. 24, 1923.

Julin, Albert A., Chicago, Ill. Hair nets. 171,132; July 31; Serial No. 159,509; published May 1, 1923.

Kansas City Macaroni & Importing Co., doing business as The Abbreviated Kansas City Macaroni Co., Kansas City, Mo. Macaroni, spaghetti, macaroni shells, vermicelli, egg noodles, etc. 171,169; July 31; Serial No. 171,325; published May 1, 1923.

Karlsruher Parfümerie- & Toiletteseifen-Fabrik, F. Wolff & Sohn, Gesellschaft mit beschränkter Haftung, Karlsruhe, Germany. Toilet soap and shaving powder to be used in place of shaving soap. 171,096; July 31; Serial No. 173,710; published Apr. 24, 1923.

Kaynee Company, The, Cleveland, Ohio. Children's rompers and play garments. 171,190; July 31; Serial No. 126,221; published May 1, 1923.

Kaynee Company, The, Cleveland, Ohio. Overalls. 171,191; July 31; Serial No. 126,222; published May 1, 1923.

Kelley, Lucille B., doing business as Jimmy Boy Doll Co., Sidney, Ohio. Dolls. 171,122; July 31; Serial No. 175,660; published Apr. 24, 1923.

Keystone Lubricating Company, Philadelphia, Pa. Lubricants comprising oils and greases. 171,209; July 31. Serial No. 178,511; published May 15, 1923.

Keystone Lubricating Company, Philadelphia, Pa. Lubricants comprising oils and greases. 171,210; July 31; Serial No. 178,509; published May 15, 1923.

King Candy Co., Fort Worth, Tex. Candies. 171,257; July 31; Serial No. 169,551; published May 1, 1923.

King, Frank O., Chicago, Ill. Dolls. 171,222; July 31; Serial No. 177,228; published Apr. 24, 1923.

Kingly Shirt Co., Chicago, Ill. Men's and boys' shirts. 171,262; July 31. Serial No. 169,363; published May 8, 1923.

Kirshbaum, R., & Son, Inc., Indianapolis, Ind. Ladies' dresses, coats, and blouses. 171,245; July 31; Serial No. 169,957; published May 8, 1923.

Knapstein, T. L., Appleton, Wis. Cheese. 171,076; July 31; Serial No. 170,071; published Mar. 27, 1923.

Knight, Joe M., Elfers, Fla. Oranges, grapefruit, and citrous fruit in their natural state. 171,270; July 31; Serial No. 168,848; published May 1, 1923.

Konroe Merchants. (See Robert, Samuel.)

Kortenbach & Rauh, Weyer, Germany. Umbrellas. 171,066; July 31; Serial No. 162,557; published May 8, 1923.

Kortenbach & Rauh, Weyer, Germany. Umbrellas. 171,148; July 31; Serial No. 162,556; published May 1, 1923.

Kovacs and Meszaros, Denbo, Pa. Envelopes. 171,146; July 31; Serial No. 162,179; published May 1, 1923.

Laird Manufacturing Co. Inc., The, Richmond, Va. Coffee. 171,177; July 31; Serial No. 171,581; published May 8, 1923.

Lake Mills Milk Company. (See Baumann, Carl A.)

Lanchester Shirt Co. Inc., New York, N. Y. Men's and boys' dress shirts. 171,254; July 31; Serial No. 169,717; published May 8, 1923.

Larrowe Milling Company, Detroit, Mich. Dairy and cattle feed. 171,032; July 31; Serial No. 159,587; published Apr. 3, 1923.

Larrowe Milling Company, The, Detroit, Mich. Dairy and cattle feed. 171,135–6; July 31; Serial Nos. 159,588–9; published Apr. 3, 1923.

Lazier, J. F., Mfg. Co., St. Louis, Mo. Nonalcoholic, maltless soft drinks. 171,050; July 31; Serial No. 175,430; published May 8, 1923.

Leggett, Francis H., & Company, New York, N. Y. Canned apricots, grapes, plums, peaches, pineapple, etc. 171,247; July 31; Serial No. 171,275; published May 8, 1923.

Lifschitz, Charles W., New York, N. Y. Neckbands for men's shirts. 171,131; July 31; Serial No. 159,400; published May 8, 1923.

Lindemann, A. J., & Hoverson Company, Milwaukee, Wis. Electric stoves, heaters, sadirons, etc. 171,019; July 31; Serial No. 167,575; published Apr. 24, 1923.

Linsk, Alexander, & Company, assignor to H. J. Maxmin, Philadelphia, Pa. Boys' sailor suits. 171,130; July 31; Serial No. 159,157; published May 8, 1923.

Liquid Carbonic Company, The, Chicago, Ill. Compound of vegetable gums and sugars for use as an ingredient of ice cream. 171,161; July 31; Serial No. 176,485; published May 22, 1923.

Liquid Wrench Company. (See Carroll, John A.)

McHenry Cannery, Modesto, Calif. Canned fruits and vegetables. 171,187; July 31; Serial No. 171,937; published May 1, 1923.

McKnight, Earl, Pittsburgh, Pa. Candy and confections in the form of a candy block. 171,188; July 31; Serial No. 171,761; published May 1, 1923.

Mah Juck Mfg. Co. (See Gaffey, John T.)

Mallory Hat Company, The, Danbury, Conn. Hats for men, women, and children. 171,207; July 31; Serial No. 156,653; published May 8, 1923.

Manassas Feed & Milling Co. (See Robertson, Bolling L.)

Marcus, Julius, Company, Chicago, Ill. Food-flavoring extracts. 171,263; July 31; Serial No. 169,313; published May 1, 1923.

Marinette Electric Corporation, Marinette, Wis. Radio receiving sets. 171,008; July 31; Serial No. 176,634; published Apr. 24, 1923.

Marshall-Wells Company, Duluth, Minn. Laundry washing machines and wringers. 171,087; July 31; Serial No. 174,211; published Apr. 24, 1923.

Martins Birmingham Limited, Birmingham, England. Golf balls and footballs. 171,097; July 31; Serial No. 173,972; published May 1, 1923.

Maxmin, H. J. (See Linsk, Alexander & Company, assignor.)

Mayer China Company, The, Beaver Falls, Pa. Chinaware. 171,115; July 31; Serial No. 175,017; published May 8, 1923.

Merrell-Soule Company, Syracuse, N. Y. Whole-milk powder. 171,105; July 31; Serial No. 174,474; published May 8, 1923.

Mica Insulator Company, New York, N. Y. Treated and untreated tapes for electrical insulation purposes. 171,086; July 31; Serial No. 173,844; published Apr. 24, 1923.

Midland Flour Milling Co., The, Kansas City, Mo. Gray shorts. 171,009; July 31; Serial No. 169,029; published Mar. 20, 1923.

Miller, Arnold W., doing business as Golf Progress Company, Columbus, Ohio. Golf-stroke practice and exercising device. 171,163; July 31; Serial No. 176,637; published Apr. 24, 1923.

Miller-McMillen Co., Watertown, S. Dak. Candy bar. 171,181; July 31; Serial No. 172,235; published May 8, 1923.

Mintz & Friedman, New York, N. Y. Men's and young men's suits and topcoats. 171,259; July 31; Serial No. 169,455; published May 1, 1923.

Morris, Jos. A., & Co., Inc., New York, N. Y. Ladies' and misses' dresses. 171,239; July 31; Serial No. 170,399; published May 8, 1923.

Morse, A. G., Co. Inc., Chicago, Ill. Candy. 171,123; July 31; Serial No. 175,674; published May 15, 1923.

Morton, Ted, & Co. Inc., New York, N. Y. Stuffed figure toys and ornamented surfaces to be formed into stuffed figure toys. 171,007; July 31; Serial No. 176,639; published May 15, 1923.
Mountain City Mill Company, Chattanooga, Tenn. Feed for horses, cattle, hogs, and chickens. 171,031; July 31; Serial No. 160,419; published Mar. 27, 1923.
National Cap Mfg. Company, Louisville, Ky. Caps for men, boys, and children. 171,133; July 31; Serial No. 159,522; published May 1, 1923.
National Electric Manufacturing Company, Pittsburgh, Pa. Electric hammers. 171,055; July 31; Serial No. 175,881; published Apr. 24, 1923.
Near East Trading Co. (See Funke, Edward.)
Never Enough Pie Company, The, Bridgeport, Conn. Articles of food. 171,077; July 31; Serial No. 169,769; published Apr. 3, 1923.
Newhall, H. M., & Co., San Francisco, Calif. Canned fruits and vegetables. 171,253; July 31; Serial No. 169,772; published May 1, 1923.
Newton Line Company Incorporated, Homer, N. Y. Fishing lines. 171,094; July 31; Serial No. 173,663; published May 1, 1923.
Newton Line Company Incorporated, Homer, N. Y. Fishing lines. 171,095; July 31; Serial No. 173,668; published May 1, 1923.
Newton Line Company Incorporated, Homer, N. Y. Fishing lines. 171,112; July 31; Serial No. 174,747; published May 1, 1923.
Noblesville Milling Co., Noblesville, Ind. Wheat flour. 171,021; July 31; Serial No. 167,885; published Mar. 20, 1923.
Noise Making Devices Company. (See Halpern, Irving J.)
North-Western Trust & Savings Bank, Chicago, Ill. Publications and negotiable papers. 171,036; July 31; Serial No. 151,922; published Apr. 10, 1923.
Nu Grape Company of America, The, Atlanta, Ga. Non-alcoholic, maltless grape beverage. 171,157; July 31; Serial No. 176,276; published May 1, 1923.
Ohio Confection Company, The, Cleveland, Ohio. Candy. 171,168; July 31; Serial No. 175,883; published May 15, 1923.
Pacent Electric Company, Incorporated, New York, N. Y. Jacks for radio telephone and telegraph and similar purposes. 171,274; July 31.
Pacent Electric Company, Incorporated, New York, N. Y. Connector plugs for radio telephone and telegraph and similar purposes. 171,275; July 31.
Parfumerie Caron. (See Daltroff, E., & Cie.)
Parker-Bridget Company, Washington, D. C. Ladies' sport suits and coats. 171,138; July 31; Serial No. 159,720; published May 1, 1923.
Parnibeck Chocolate Co., Inc., New York, N. Y. Chocolate candies. 171,125; July 31; Serial No. 175,515; published May 15, 1923.
Peerless Paper Company, The, Dayton, Ohio. Bond paper. 171,178; July 31; Serial No. 171,653; published May 8, 1923.
Philsbern Products Co. (See Bern, Philip S.)
Pinkus, Max, doing business as John Price & Co., Philadelphia, Pa. Canned salmon. 171,124; July 31; Serial No. 175,735; published May 15, 1923.
Plainville Electric Products Company, The, Plainville, Conn. Knife switches, panel boards, switchboards, and fuse reducers. 171,073; July 31; Serial No. 171,432; published Apr. 24, 1923.
Pleasant Grove Canning Co., Pleasant Grove, Utah. Fresh deciduous and citrous fruits, fresh vegetables, canned fruits, and vegetables, etc. 171,186; July 31; Serial No. 171,952; published May 1, 1923.
Polyphonwerke Aktiengesellschaft, Berlin, Germany. Phonographs, coin-operated talking and musical machines and phonograph needles. 171,039; July 31; Serial No. 145,583; published Apr. 24, 1923.
Potter-McCune Company, McKeesport, Pa. Coffee, canned fruits, vegetables, and fish, table molasses. 171,020; July 31; Serial No. 167,687; published Apr. 3, 1923.
Potter-Wrightington, Inc., Boston, Mass. Bread and crackers. 171,064; July 31; Serial No. 164,186; published Mar. 27, 1923.
Powell, Leopold, & Co., New York, N. Y. Cigars, cheroots, and little cigars. 171,038; July 31; Serial No. 149,480; published May 15, 1923.
Prescott & Company, Boston, Mass. Domestic refrigerators. 171,224; July 31; Serial No. 177,199; published May 8, 1923.
Price-Booker Manufacturing Company, Waco and Houston, Tex. Pickles and condiments. 171,099; July 31; Serial No. 174,100; published May 8, 1923.
Price, John, & Co. (See Pinkus, Max.)
Princess Dress House. (See Bernstein, Louis.)
Pyramid Process Co., Inc., East Rochester, N. Y. Dry paste. 171,223; July 31; Serial No. 177,200; published May 15, 1923.
Radio Corporation of America, New York, N. Y. Radio receiving sets. 171,044; July 31; Serial No. 174,859; published Apr. 24, 1923.
Radio-Lite, Inc., Boston, Mass. Electric lights for automobiles and other vehicles and parts thereof. 171,070; July 31; Serial No. 172,594; published Apr. 24, 1923.
Randolph Milling Company, Baldwin, Ill. Wheat flour. 171,026; July 31; Serial No. 168,170; published Apr. 3, 1923.
Realsilk Fabrics Corporation, Brooklyn, N. Y. Hosiery and knitted underwear. 171,243; July 31; Serial No. 170,308; published May 8, 1923.
Republic Varnish Company, Newark, N. J. Ready-mixed paint, varnish, and paint enamel. 171,226; July 31; Serial No. 177,107; published May 15, 1923.
Requa Bros., Cold Spring Harbor, N. Y. Coffee and tea. 171,233; July 31; Serial No. 170,834; published May 15, 1923.
Riker, Galindo & Company, Inc., New York, N. Y. Coffee, flavoring extracts, milk, tea, canned goods. 171,277; July 31.
Roach Tisdale & Co., Minneapolis, Minn. Confections comprising chocolates, bonbons, hard candies, etc. 171,089; July 31; Serial No. 173,534; published Apr. 24, 1923.
Robert, Samuel, doing business as Konroe Merchants, New York, N. Y. Dolls and toy favors. 171,080; July 31; Serial No. 173,247; published May 15, 1923.
Robertson, Bolling L., doing business as Manassas Feed & Milling Co., Manassas, Va. Wheat flour. 171,014; July 31; Serial No. 169,323; published Apr. 3, 1923.
Roseubloom, J. Philip, Co. Inc., New York, N. Y. Young ladies' dresses. 171,258; July 31; Serial No. 169,457; published May 1, 1923.
Royal Seal Food Products Co., Chicago, Ill. Dates, salted nuts, and preserved figs. 171,234; July 31; Serial No. 170,789; published May 8, 1923.
Russell Playing Card Co., Milltown, N. J. Playing cards. 171,225; July 31; Serial No. 177,109; published Apr. 24, 1923.
S & S Shirt Company, The, Philipsburg, Pa. Work, dress, negligee, and flannel shirts. 171,196; July 31; Serial No. 147,217; published May 1, 1923.
Safety Sled Company, Inc., Mount Jewett, Pa. Sleds. 171,150; July 31; Serial No. 175,949; published Apr. 24, 1923.
Santa Clara Company. (See Steohr, Richmond G.)
Seward Trunk and Bag Company, Petersburg, Va. Wardrobe trunks. 171,214; July 31; Serial No. 178,004; published May 15, 1923.
Seymour Packing Company, The, Topeka, Kans. Dressed poultry. 171,113; July 31; Serial No. 174,925; published May 8, 1923.
Silver, M. & H., Incorporated, Norfolk, Va. Fountain pens and pencils. 171,045; July 31; Serial No. 174,928; published May 15, 1923.
Silz, A., Inc., New York, N. Y. Canned plum pudding. 171,231; July 31; Serial No. 171,141; published May 22, 1923.
Sipp Novelty Co. Inc., New York, N. Y. Spinning tops. 171,116; July 31; Serial No. 175,029; published May 1, 1923.
Smith, Edward & Company, Long Island City, N. Y. Varnishes. 171,219; July 31; Serial No. 177,629; published May 1, 1923.
Smith & Egge Manf'g. Co., The, Bridgeport, Conn. Sheet-metal chains. 171,090; July 31; Serial No. 173,447; published Apr. 24, 1923.
Smith, J. Allen, & Company, Knoxville, Tenn. Stock feed. 171,011; July 31; Serial No. 169,089; published Mar. 27, 1923.
Sonora, Inc., New York, N. Y. Talking machines and phonographs. 171,276; July 31.
Sperlich and Uhlig Company, Detroit, Mich. Mangles. 171,075; July 31; Serial No. 170,222; published Apr. 24, 1923.
Square Dipper Specialty Company, Pittsburgh, Pa. Ice-cream confections. 171,175; July 31; Serial No. 171,474; published Mar. 27, 1923.
Stanley Works, The, New Britain, Conn. Hammers. 171,249; July 31; Serial No. 167,491; published Feb. 27, 1923.
Steele-Wedeles Company, Chicago, Ill. Canned and dried fruits and vegetables, canned fish, salted fish, canned meats, etc. 171,139; July 31; Serial No. 159,889; published Mar. 20, 1923.
Stern, Max, Charleroi, Pa. Cigars. 171,079; July 31; Serial No. 169,516; published May 8, 1923.
Stoehr, Richmand G., doing business as Santa Clara Company, Boston, Mass. Soft drink. 171,106; July 31; Serial No. 174,491; published May 1, 1923.
Strohmeyer & Arpe Company, New York, N. Y. Olive and salad oils. 171,200; July 31; Serial No. 151,237; published May 1, 1923.
Strype, Fred C., New York, N. Y. Apple wrappers. 171,005; July 31; Serial No. 176,924; published May 15, 1923.
Suffern, Robert A., New York, N. Y. Unbleached sheetings and drills. 171,208; July 31; Serial No. 157,109; published Apr. 17, 1923.
Sunshine Stores, Inc., San Francisco, Calif. Butter. 171,027; July 31; Serial No. 168,498; published Mar. 20, 1923.
Taintor Company, The, New York, N. Y. Paris white. 171,158; July 31; Serial No. 176,314; published May 1, 1923.
Taiyo Trading Co., Inc., New York, N. Y. Crab meat. 171,248; July 31; Serial No. 171,236; published May 15, 1923.
Tanner, William E., Brunswick, Me. Beverages sold as soft drinks and sirups for making same. 171,088; July 31; Serial No. 174,495; published May 15, 1923.

Tate & Lyle Limited, London, England. Sugar. 171,145; July 31; Serial No. 161,707; published May 15, 1923.
Tharinger Macaroni Company, Milwaukee, Wis. Alimentary paste products. 171,229; July 31; Serial No. 171,186; May 15, 1923.
Tissue Company, The, Saugerties, N. Y. Crêpe paper. 171,002; July 31; Serial No. 177,150; published May 15, 1923.
Toewear Hosiery Incorporated, Norristown, Pa. Hosiery. 171,199; July 31; Serial No. 148,774; published May 8, 1923.
Tristate Baking Co., Flint, Mich. Edible rolls. 171,010; July 31; Serial No. 169,103; published Apr. 3, 1923.
U. S. Hame Company, Buffalo, N. Y. Hames, hame trimmings, and saddlery hardware. 171,211-12; July 31; Serial Nos. 178,312-13; published May 15, 1923.
Union Radio Corporation, New York, N. Y. Radio telephone and telegraphic instruments and parts thereof. 171,068; July 31; Serial No. 162,091; published Apr. 24, 1923.
United States Juvenile Vehicle Co. (See Casey, John T.)
Valley of the Kings Corporation. (See Funke, Edward, assignor.)
Vanity Fair Silk Mills, Reading, Pa. Ladies' silk underwear. 171,198; July 31; Serial No. 147,649; published May 8, 1923.
Virden Packing Company, San Francisco, Calif. Canned and bottled fruits, jams, jellies, and olives. 171,126; July 31; Serial No. 175,581; published May 15, 1923.
W & L Baking Company, Jackson, Mich. Prepared doughnut mixture. 171,022; July 31; Serial No. 167,960; published Mar. 20, 1923.
Wall-Kane Needle Mfg. Co. Inc., Brooklyn, N. Y. Phonograph needles. 171,271; July 31.
Ward Baking Company, New York, N. Y. Bread. 171,015; July 31; Serial No. 169,386; published Apr. 3, 1923.
Ward Baking Company, New York, N. Y. Bread. 171,016; July 31; Serial No. 169,387; published Mar. 27, 1923.
Ward Baking Company, New York, N. Y. Bread. 171,028; July 31; Serial No. 168,699; published Apr. 3, 1923.
Wayborn, James A., doing business as Jameway Co., Brooklyn, N. Y. Prunes. 171,205; July 31; Serial No. 154,631; published May 15, 1923.
Way Works, Incorporated, Philadelphia, Pa. Hinges. 171,107; July 31; Serial No. 174,549; published Apr. 24, 1923.
Weisbecker, Charles, New York, N. Y. Salad dressing. 171,102; July 31; Serial No. 174,349; published May 8, 1923.
Western Bottle Manufacturing Company, Chicago, Ill. Powder puffs. 171,056; July 31; Serial No. 176,140; published May 15, 1923.
Western Bottle Manufacturing Company, Chicago, Ill. Powder puffs, tooth, hair, hand, and clothes brushes. 171,057; July 31; Serial No. 176,145; published May 15, 1923.
Western Tobacco Company, Inc., New York, N. Y. Cigarettes. 171,156; July 31; Serial No. 176,236; published Apr. 24, 1923.
Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Lightning arresters. 171,006; July 31; Serial No. 176,864; published Apr. 24, 1923.
Wetterau, G. H., & Sons Grocer Company, St. Louis, Mo. Fruit preserves, jams, jelly, apple butter, sweet and sour pickles, etc. 171,235; July 31; Serial No. 170,736; published May 8, 1923.
White & Wyckoff Manufacturing Company, Holyoke, Mass. Papeteries, writing and typewriting tablets, writing paper, and mailing envelopes. 171,149; July 31; Serial No. 175,750; published May 1, 1923.
Whyte Commission Company, Pine Bluff, Ark. Stock feed. 171,012; July 31; Serial No. 169,108; published Mar. 27, 1923.
Whyte Commission Company, Pine Bluff, Ark. Stock, dairy, and poultry feed. 171,013; July 31; Serial No. 169,109; published Mar. 20, 1923.
Wightman & Hough Company, Providence, R. I. Cigarette, cigar, match, spectacle, eyeglass, and vanity cases. 171,278; July 31.
Wilson Brothers, Chicago, Ill. Men's dress and negligee shirts, pyjamas, and underwear of textile fabric. 171,242; July 31; Serial No. 170,320; published May 8, 1923.
Wilton-Plantz Candy Company, The, Valdosta, Ga. Manufactured candy with nuts into a "nut bar." 171,204; July 31; Serial No. 154,540; published May 1, 1923.
Winchester Company, The, New Haven, Conn. Golf bags. 171,152; July 31; Serial No. 176,055; published Apr. 24, 1923.
Wodicska, Louise, doing business as Ex Pito Manufacturing Company, New York, N. Y. Preparation for the treatment of piles. 171,093; July 31; Serial No. 173,616; published May 8, 1923.
Wood, F. G., Packing Company, San Jose, Calif. Canned fruits, fruit salad, and vegetables, dried fruit. 171,184; July 31; Serial No. 172,071; published May 1, 1923.
Zolla, Max A., Chicago, Ill. Artificial pearls. 171,142; July 31; Serial No. 160,378; published Apr. 24, 1923.

ALPHABETICAL LIST OF REGISTRANTS OF LABELS.

American Fabrics Company, The, Bridgeport, Conn. A. F. C. Laces. For Lace Cards. 26,264; July 31.
Blatz, Val., Brewing Company, doing business as Blatz Products Co., Milwaukee, Wis. Blatz Bohemian Malt Syrup. For Malt Sirups. 26,282; July 31.
Bruett, T. A., Lumber, Inc., Milwaukee, Wis. The Shingle Beautiful. For Shingles. 26,265; July 31.
Chicago Metallic Packing Co., Chicago, Ill. "Rhopac" Flexible Metallic Packing. For Packing. 26,266; July 31.
Cooney, Frank B., Minneapolis, Minn. Cooney's Ink Paste. For Concentrated Ink. 26,267; July 31.
Dwight Edwards Company, Portland, Oreg. Dependable. For Coffee. 26,268; July 31.
Ennis-Hanly-Blackburn Coffee Co., The, Kansas City, Mo. Golden Horn. For Roasted Coffee. 26,269; July 31.
Hamersley Manufacturing Company, The, New York, N. Y. Whole Wheat Bread. For Bread. 26,270; July 31.
Hnmersley Manufacturing Company, The, New York, N. Y. Graham Bread. For Bread. 26,271; July 31.
Hirschler, Lee M., doing business as Hirschler & Co., Cincinnati, Ohio. Blue Dot. For Hops. 26,272; July 31.
Long Island Poultry Association, Huntington, N. Y. Eggs. For Poultry Products. 26,273; July 31.
Mailliard & Schmiedell, San Francisco, Calif. Golden Cal. For Canned Grapefruit. 26,274; July 31.
Mailliard & Schmiedell, San Francisco, Calif. Golden Cal. For Canned Asparagus. 26,275; July 31.
Merriman, J. W., Seattle, Wash. Seaware. For Paint. 26,276; July 31.
Miller Rubber Company, The, Akron, Ohio. Baby Comfort Kit. For a Container Holding Articles for the Care of Babies. 26,277; July 31.
Musical Toy Production Company, The, New York, N. Y. It's A Candy Dandy Bird. For a Toy with a Whistle. 26,278; July 31.
Parodi Cigar Co., Inc., Jersey City, N. J. Sigaro Vesuvio. For Boxes and Cans Containing Cigars. 26,279; July 31.
Remington Arms Company, Inc., New York, N. Y., Bridgeport, Conn., and Ilion, N. Y. Buck Shot Load. For Loaded Shot Shells. 26,280; July 31.
Seligman, Nathan, doing business as N. Seligman Co., New York, N. Y. Wanda Hair Net. For Hair Nets. 26,281; July 31.

ALPHABETICAL LIST OF REGISTRANTS OF PRINTS.

Apex Electrical Manufacturing Company, Cleveland, Ohio. Hour Saving Appliances. For Domestic-Labor-Saving Devices, and Particularly Vacuum Cleaners, Washers, Ironers, and Wringers. 6,836; July 31.
Columbia Graphophone Company, New York, N. Y. Columbia New Process Records. For Graphophone Records. 6,837; July 31.
Fairbank, N. K., Company, The, New York, N. Y. Kept Sweet and Clean with Gold Dust. For Gold Dust Washing Powder. 6,838; July 31.
Fairbank, N. K., Company, The, New York, N. Y. Your Men Folks Prefer Fairy Soap. For Fairy Soap. 6,839; July 31.
Georgia, Wm. B., Waco, Tex. Hitone Kut. For Fancy-Cut Spectacle and Eyeglass Lenses. 6,840; July 31.
Squibb, E. R., & Sons, New York, N. Y. That you may know. For Drugs. 6,841; July 31.
Squibb, E. R., & Sons, New York, N. Y. Most Serious Dental Troubles Start at The Danger Line. For Squibb's Magnesia Dental Cream. 6,842; July 31.
Steameter Co., The Chicago, Ill. Steameter The new heat Indicator. For Temperature-Indicating Devices. 6,843; July 31.
Sturdy's, J. F. Sons Company, Attleboro Falls, Mass. Above them all. For Cuff Buttons. 6,844; July 31.
Thommen's Inc., Philadelphia, Pa. Thommen's Inc. Originators of the Japanese Cake. For Cake. 6,845; July 31.
Williams, J. B., Company, The, Glastonbury, Conn. Williams' Doublecap Shaving Stick. For Shaving-Soap Sticks. 6,846; July 31.

ALPHABETICAL LIST OF TRADE-MARK APPLICANTS.

PUBLISHED FOR OPPOSITION.

[Act of Feb. 20, 1905, Sec. 6, as amended Mar. 2, 1907.]

A & P Products Corporation, The, Jersey City, N. J. Canned salmon. 179,006–7; July 31.
Aetna Life Insurance Company, Hartford, Conn. Monthly periodical. 180,318; July 31.
All Saints Cigar Co., Tampa, Fla. Cigars. 180,165; July 31.
American Lady Waist Co., The, New York, N. Y. Ladies' waists. 155,589; July 31.
American Mutual Liability Insurance Company of Boston, Boston, Mass. Monthly publication. 178,019; July 31.
Ames & Ames, Mecca, Calif. Fresh citrous fruits, fresh grapes, and vegetables. 179,510; July 31.
Anchorage Packing Co., Seattle, Wash. Canned salmon. 179,918; July 31.
Anderson, Cleon E., doing business as D. W. Anderson Drug Co., Moroni and Ephraim, Utah. Preparation for canker and sore throat. 175,292; July 31.
Anna Creamery Company, Anna, Ohio. Butter. 174,685; July 31.
Archer, Lenah B., Navarre, Ohio. Alloy made from nickel ore for forging steel. 168,288; July 31.
Attica Mills, The, Attica, Kans. Wheat flour. 156,133; July 31.
Austin, Nichols & Co., Inc., Brooklyn, N. Y. Apricots, cherries, peaches, pineapple, etc. 171,523; July 31.
Baker, Hamilton and Pacific Company. San Francisco, Calif. Garden hose. 170,359; July 31.
Barbour Flax Spinning Co., Paterson, N. J. Hand-sewing and machine-sewing linen threads. 179,985; July 31.
Barr Manufacturing Corporation, Tyrone, Pa. Complexion clay. 179,392; July 31.
Bayard Chemical Company, New York, N. Y. Hair pomade. 179,393; July 31.
Berger, Harry, doing business as Harry Berger Shirt Company, New York, N. Y. Men's and boys' shirts. 177,763; July 31.
Bishop & Company, Los Angeles, Calif. Cookies. 174,955–6; July 31.
Block-Walsh Corporation, New York, N. Y. Table board game. 181,010; July 31.
Blue Lion Patch Co., The. (See St. John, Thomas A.)
Bowman, John M., Lanark, Ill. Preparation for use in the treatment of hog cholera and a vermifuge preparation. 181,172; July 31.
Boyd Packing Company. (See Patrick-Young Company.)
Bruno Radio Corporation, New York, N. Y. Radio sending and receiving sets. 171,442; July 31.
Bursley, G. E., & Company, Fort Wayne, Ind. Rolled oats, coffee, spaghetti, etc. 175,183; July 31.
Busy Bee Candy Company, St. Louis, Mo. Candy and cakes. 171,829; July 31.
California Almond Packers, Sacramento and North Sacramento, Calif. Salted almonds. 179,585; July 31.
Campbell Manufacturing Co., The, Rochester, N. Y. Patching paste. 181,631; July 31.
Canton Forge & Axle Company, Canton, Ohio. Tools, and particularly rail-anchor wrenches. 181,059; July 31.
Carney, Linwood S., Boston, Mass. Nonalcoholic, maltless vegetable extract for soft-drink purposes. 180,467; July 31.
Case-Teel Company, Inc., Jackson, Miss., and New Orleans, La. Stock and poultry feed. 174,509; July 31.
Certain-Teed Products Corporation, Baltimore, Md., and St. Louis, Mo. Ready-mixed paints for interior surfaces. 181,174; July 31.
City of Paris Dry Goods Company, San Francisco, Calif. Bath salts. 175,917; July 31.
Colfax Fruit Growers Assn., Colfax, Calif. Fresh deciduous fruits. 179,459; July 31.
Colgate & Company, Jersey City, N. J. Perfumes and toilet waters. 179,776–9; July 31.
Concentrated Products Corporation, Carlstadt, N. J., and New York, N. Y. Laundry soap. 180,527; July 31.
Cowiche Creamery, Cowiche, Wash. Butter, cheese. 173,565; July 31.
Crofut & Knapp Co., The, South Norwalk, Conn. Caps and hats of felt, straw, silk, etc. 176,329; July 31.
Cummings & Johnson, Salt Lake City, Utah. Card game. 180,528; July 31.
Cutter Electrical and Manufacturing Company, The, Philadelphia, Pa. Electrical switches, circuit breakers, etc. 179,928; July 31.
Dalton Hosiery Mills, Dalton, Ga. Hosiery. 177,832; July 31.
Davidson Brothers Company, Sioux City, Iowa. Ladies' hats and bonnets. 178,895; July 31.
Davol, Chas. J., North Kingstown, R. I. Milk, butter. 167,714; July 31.
Dern Food Company, The, Colorado Springs, Colo. Coffee. 179,857; July 31.

Drs. Brown and Brown, Chicago, Ill. Medicated wax for treatment of pyorrhea. 177,269; July 31.
Empire Silk Company, Wilmington, Del., and New York, N. Y. Silk piece goods. 179,663; July 31.
Eyles, Laura J., Chicago, Ill. Dolls. 180,331; July 31.
Ferris Bros. Company, The, New York, N. Y. Corsets, corset waists, and brassières. 175,779; July 31.
Foley Food Product Company, Washington, D. C. Food product. 175,480; July 31.
Ford Flour Company, Inc., Wilmington, Del., and Nashville, Tenn. Self-rising flour. 172,327; July 31.
Frankenberg, Morgan & Singleton, New York, N. Y. Woolen cloth. 180,659; July 31.
Freund, Freund & Company, New York, N. Y. Nankins and tickings in the piece. 178,835; July 31.
Fulcra-Tan Company, assignor to Geltan Company, New York, N. Y. Tanning materials. 180,118; July 31.
Gabel Bros., Garnerville, N. Y. Stove polish. 150,895; July 31.
Garfield Worsted Mills, Garfield, N. J. Knitted woolen piece goods. 178,604; July 31.
Geltan Company. (See Fulcra-Tan Company.)
Georgene, Madame, Inc., New York, N. Y. Dolls. 180,003; July 31.
Globe Beverage Co. (See Grassini, Frank L.)
Goldblum, Theodore, doing business as Stanley Drug Company, Philadelphia, Pa. Medicine for general debility, nervous prostration, etc. 177,736; July 31.
Grassini, Frank L., doing business as Globe Beverage Co., Chicago, Ill. Nonalcoholic maltless beverage sold as a soft drink. 178,178; July 31.
Griffing Manufacturing Co., The, Norwalk, Conn. Braids, tinsel braids, cord edge, tubular, soutache, etc., braids. 177,776; July 31.
Guarantie Company, The. (See Kahil, Abraham A.)
Guidici, Luigi, Greensburg, Pa. Cigarette papers prepared ready for use. 180,474; July 31.
H. L. Distillator & Son, New York, N. Y. Ladies' hats. 177,727; July 31.
Hamilton Rubber Manufacturing Company, Trenton, N. J. Fruit-jar rubbers. 180,862; July 31.
Harlan, O. A., & Co., San Jose, Calif. Dried fruits and canned fruits and vegetables. 179,469; July 31.
Harrington & Hord, Fort Worth, Tex. Article of food. 169,129; July 31.
Harrison & Co., also doing business as Harrison Flour Mills Co., New York, N. Y. Wheat flour. 166,371; July 31.
Harrison & Co., also doing business as Harrison Flour Mills Co., New York, N. Y. Wheat flour. 166,672–3; July 31.
Hay, Carl A., doing business as Newton Ice Cream Company, Newton, Kans. Ginger ale and nonalcoholic, maltless beverages sold as soft drinks. 180,428; July 31.
Hecht & Mendes Incorporated, New York, N. Y. Cotton fabrics, cotton and silk mixed fabrics, cotton and wool mixed fabrics, etc. 178,560; July 31.
Hillbern Thrift Corporation, Chicago, Ill. Printed books. 176,626; July 31.
Home Foods Service Company Incorporated, Denver, Colo. Breakfast cereal foods. 167,084; July 31.
Houze, L. J., Convex Glass Company, Point Marion, Pa. Sheet glass. 181,398; July 31.
Humberstone, C. C., doing business as Monarch Packing & Supply Co., Chicago, Ill. Compressed asbestos-fiber sheet packing. 180,122; July 31.
Indianapolis Abattoir Company, Indianapolis, Ind. Hams, bacon, sausages, shoulders, etc. 176,629; July 31.
Industrial Oil Co. Inc., East Providence, R. I. Gasoline. 181,447; July 31.
Ingersoll-Rand Company, Jersey City, N. J., and New York, N. Y. Hose composed of rubber and fabric. 180,933–4; July 31.
Jones, John F., Pomona, Calif. Piston packing rings. 158,929; July 31.
Jouvence Company, Inc., The, New York, N. Y. Liquid for cleansing and beautifying the skin and improving the complexion. 179,045; July 31.
Kahil, Abraham A., doing business as The Guarantie Company, New York, N. Y. Neckties, scarfs, and sweaters. 177,492; July 31.
Kahles, Charles W., Queens, N. Y. Cartoon feature. 175,871; July 31.
Kaldasz, Satie, Philadelphia, Pa. Laxative. 180,224; July 31.
Ka-Nix Sales Co. (See Warnick, Edward A.)
Kehlor Flour Mills Company, St. Louis, Mo. Wheat flour. 169,908; July 31.

PUBLISHED FOR OPPOSITION.

[Act of Feb. 20, 1905, Sec. 6, as amended Mar. 2, 1907.]

Kleinert, I. B., Rubber Company, New York, N. Y. Dress shields. 179,105; July 31.
Knothe Brothers Co., Inc., New York, N. Y. Garters, waist belts, and suspenders. 177,915; July 31.
Koetter, William H., doing business as Koetter Manufacturing Co., Peoria, Ill. Carbon remover for gasoline engines. 180,126; July 31.
Larson, Clifford M., Chicago, Ill. Liquid gauges, gauges for measuring the relative change in gravities of liquids, etc. 178,049; July 31.
Legion Publishing Corporation, New York, N. Y. Magazine section. 176,196; July 31.
Leo, Ansel S., New York, N. Y. Wheat flour. 143,823; July 31.
Levite Manufacturing Company, Dothan, Ala. Tonic to be applied to the scalp and as a tonic and dressing for the hair. 177,679; July 31.
Libby, McNeill & Libby, Chicago, Ill. Pork and beans, meat extracts, bouillon cubes, etc. 159,711; July 31.
Lindsley, Benjamin F., doing business as The Perfection Bed Spring Company, Mansfield, Ohio. Bed springs. 175,801; July 31.
Longmont Farmers Milling & Elevator Co., The, Longmont, Colo. Wheat flour. 169,722; July 31.
Los Angeles Fertilizer Company, Oakland, Calif. Meat scraps for poultry food. 159,269; July 31.
Lund, George, doing business as George Lund Company, New York, N. Y. Dolls and animals cut-outs to be filled with sand. 181,134; July 31.
McCann, Eugene B., doing business as Mutual Benefit Association, New York, N. Y. Coupons for the purchase of merchandise. 173,776; July 31.
Marinello Company, La Crosse, Wis. Rouge and face powder. 177,187; July 31.
Marshall Field & Company, Chicago, Ill. Scissors, shears, and pocketknives. 177,371; July 31.
Marshall-Wells Company, Duluth, Minn. Hammers. 178,528; July 31.
Mellor, Walter, Philadelphia, Pa., and Cummington, Mass. Raw milk and cream, butter, cheese, eggs, etc. 166,082; July 31.
Metz, Gustav, doing business as Mercedes Büro Maschinen- und Waffen-Werke, Benshausen, Post Mehlis in Thuringia, Germany. Adding and calculating machines and parts thereof, etc. 162,938–9; July 31.
Miller, Alton L., doing business as Charles N. Miller Co., Boston, Mass. Candy. 179,479; July 31.
Miller, G. L., & Company, Inc., Wilmington, Del., and New York, N. Y. Bonds, certificates, booklets, stories. 175,367; July 31.
Miller, Theodore, New York, N. Y. Tooth paste. 177,861; July 31.
Miller & Van Winkle, Inc., Brooklyn, N. Y. Springs for general use. 165,501; July 31.
Minot, Hooper & Co., New York, N. Y. Cotton drilling in the piece. 180,714; July 31.
Mogul Electric Company, Seattle, Wash. Batteries. 171,135; July 31.
Monarch Packing & Supply Co. (See Humberstone, C. C.)
Montague, W. R., Company, The. La Crosse, Wis. Candy. 167,580; July 31.
Morgan Shoe Company, Boston, Mass. Nurses' shoes. 178,801; July 31.
Multibestos Company, Walpole, Mass. Brake lining. 180,341; July 31.
Munzer, Ida, Inc., New York, N. Y. Brassières. 176,804; July 31.
Murray Company, The, Boston, Mass. Nonalcoholic, maltless sirups and extracts for beverage purposes. 180,983; July 31.
Mutual Benefit Association. (See McCann, Eugene B.)
Nafziger Baking Company, Kansas City, Mo. Bread. 175,262; July 31.
National Nut Products Co., Inc., New York, N. Y. Salted nut meats. 179,109; July 31.
National Process Company, Inc., New York, N. Y. Photo prints. 158,487; July 31.
Newton Ice Cream Company. (See Hay, Carl A.)
Norwalk Tire & Rubber Company, The, Norwalk, Conn. Elastic vehicle tires. 179,315; July 31.
Pacific Radio Publishing Co., Inc., San Francisco, Calif. Monthly publication. 161,747; July 31.
Packard Motor Car Company of New York, New York, N. Y. Rubber tubes for pneumatic tires. 177,510; July 31.
Park & Tilford, New York, N. Y. Fruit (in jars), maraschino cherries, figs, dates, etc. 172,553; July 31.
Parke, Davis & Company, Detroit, Mich. Extract anterior lobe pituitary gland. 179,220; July 31.
Parker Brothers, Portland, Me., and Salem, Mass. Indoor table game played with cards and domino-shaped blocks 180,721; July 31.
Patrick-Young Company, also doing business as Boyd Packing Company, Richmond, Va. Smoked hams and bacon. 179,677; July 31.
Peanut Growers Association, Norfolk, Va. Peanuts, salted peanuts, peanut butter, oil, and meal. 173,004; July 31.
Pennsylvania Lubricating Company, Pittsburgh, Pa. Lubricating oils and greases. 178,566; July 31.

Perfection Bed Spring Company. (See Lindsley, Benjamin F., assignor.)
Peters, Albert T., doing business as Vitamineral Products Co., Peoria, Ill. Cattle, swine, dairy and poultry feed. 161,200; July 31.
Picard, Henri, New York, N. Y. Hats and caps. 160,428–9; July 31.
Plant, Thomas G., Company, Boston, Mass. Boots, shoes, and slippers. 167,422; July 31.
Quaker Oats Company, The, Chicago, Ill. Wheat flour and stock feeds. 174,102; July 31.
Rajah Radio Guild, University City, Mo. Radio receiving sets and parts thereto. 180,142; July 31.
Reiffman-Corn Inc., New York, N. Y. Vests for outer wear for men. 177,801; July 31, 1923.
Roper, Geo. D., Corporation, Rockford, Ill. Compilation and card index of recipes, and printed recipes. 176,654; July 31.
Russ, E. F., Company, Boston, Mass. Glue. 181,700; July 31.
Sawdey & Hunt, Los Angeles, Calif. Fresh lettuce and cantaloupes. 179,884; July 31.
Schicht, Georg, A. G., Aussig, Czechoslovakia. Toilet and medicinal soap. 171,139; July 31.
Schicht, Georg, A. G., Aussig, Czechoslovakia. Toilet and medicinal soap. 171,147; July 31.
Schooley, Eugene R., doing business as Henry N., Schooley and Son, Luzerne, Pa. Food for chickens. 166,573; July 31.
Schulze, Louis, doing business as Success Pharmacal Co., Baltimore, Md. Remedy for toothache and neuralgia, and medicinal preparation for removing corns. 180,392; July 31.
Sears, Roebuck and Co., Chicago, Ill. Corsets. 175,525; July 31.
Smith, Arthur G., doing business as The Spic Company, Chicago, Ill. Toilet powder. 180,304; July 31.
Snap-On Wrench Company, Milwaukee, Wis. Screw drivers. 180,776; July 31.
Snell & Atherton, Inc., Brockton, Mass. Nippers. 180,901; July 31.
Southwestern Milling Company, Inc., The, New York, N. Y. Wheat flour. 174,597; July 31.
Spangenberg & Co., Chicago, Ill. Eggs. 168,494; July 31.
Spic Company, The. (See Smith, Arthur G.)
Standard Oil Company, Whiting, Ind., and Chicago, Ill. Medicinal mineral oils. 180,033; July 31.
Stanley Drug Company. (See Goldblum, Theodore.)
St. John, Thomas A., doing business as The Blue Lion Patch Co., McDonough, Ga. Puncture patches for pneumatic tires. 181,092; July 31.
Stowe & Woodward Company, Newton, and Newton Upper Falls, Mass. Rubber-covered rolls for paper mills, tanneries, blencheries, etc. 178,198; July 31.
Strasenburgh, R. J., Company, Rochester, N. Y. Saline cathartic. 178,641; July 31.
Sucess Pharmacal Co. (See Schulze, Louis.)
Tillman, Octina A., Cape May, N. J. Shampoo preparation, massage cream, preparation for treatment of the hair. 160,643; July 31.
Times Printing Company of Seattle, Seattle, Wash. Column of news in its newspaper. 175,416; July 31.
Tin Decorating Company of Baltimore, The, Baltimore, Md. Mechanical and other toys. 179,068; July 31.
Torsion Test Piston Ring Corporation, Newark, N. J. Piston rings. 179,894; July 31.
Trenton Milling Co., Trenton, Ill. Wheat flour. 162,148; July 31.
Tribune Company, The, Chicago, Ill. Heading for a newspaper column. 166,413; July 31.
Tuxedo Shirt Co. Inc., New York, N. Y. Men's shirts. 174,679; July 31.
Tyeer, Warren I., Roseville, Ohio. Earthenware utensils. 180,088; July 31.
Union Oil Company of California, Los Angeles, Calif. Transmission oils and greases. 181,547–8; July 31.
United Alloy Steel Corporation, New York, N. Y., and Canton, Ohio. Black and galvanized steel, rust-resisting and anticorrosive iron, etc. 154,895; July 31.
United States Foil Company, Louisville, Ky. Ice cream. 164,204; July 31.
United States Rubber Company, New Brunswick, N. J., and New York, N. Y. Rubber heels. 171,880; July 31.
Universal Theatres Concession Co., Chicago, Ill. Candy. 179,070; July 31.
Universal Theatres Concession Co., Chicago, Ill. Candy. 179,072; July 31.
Upco Manufacturing and Sales Company, The, Cincinnati, Ohio. Spark timers for internal-combustion engines. 179,017; July 31.
Vilas, Royal C., Fowl River, Ala. Citrous fruits and nuts. 175,227; July 31.
Vita Food Company, The, Chicago, Ill. Maltless chocolate cereal beverages. 177,529; July 31.
Vitamineral Products Co. (See Peters, Albert T.)
Vitimin Milling Company, Los Angeles, Calif. Bread. 175,282; July 31.
Vitimin Milling Company, Los Angeles, Calif. Wheat flour. 175,283; July 31.
Voorhees Rubber Mfg. Co., Jersey City, N. J. Rubber hose. 160,731; July 31.

PUBLISHED FOR OPPOSITION.

[Act of Feb. 20, 1905, Sec. 6, as amended Mar. 2, 1907.]

Warnick, Edward A., doing business as Ka-Nix Sales Co., Birmingham, Ala. Tooth paste. 180,336; July 31.
Wearite Storage Battery Co., Philadelphia, Pa. Storage batteries. 179,976; July 31.
Wedge Heel & Rubber Co., Inc., Fort Wayne, Ind. Rubber heels. 170,916; July 31.
West, Mabel, doing business as Westnell Company, Houston, Tex. Liquid mouth wash for use in the treatment of pyorrhea, etc. 180,036; July 31.
Western Electric Company, Incorporated, New York, N. Y. Title to a monthly publication. 178,941; July 31.
Western Sausage & Provision Co., Inc., New York, N. Y. Tomato paste. 179,442; July 31.
Wheaco Cereal Corporation, Denver, Colo. Cereal breakfast foods and wheat, pancake, and buckwheat flour. 167,111; July 31.
White, Almon J., Carrollton, Mo. Tonic compound for treating worms, etc., in hogs and other live stock. 177,459; July 31.
White Tar Company, The, New York, N. Y. Liquid insecticide. 179,287; July 31.
Whitely Exerciser Company, New York, N. Y. Punching-bag platforms and apparatus. 179,121; July 31.
Whitt, Louella, Malvern, Iowa. Disinfectant. 177,059; July 31.
Zinsmeister, J., & Sons, Incorporated, Louisville, Ky. Coffee. 179,577; July 31.

CLASSIFIED LIST OF TRADE-MARKS REGISTERED.

CLASS 3.

Bags, Hat. H. C. Gamble. 171,218; July 31; Serial No. 177,664; published May 15, 1923.
Hames, hame trimmings, and saddlery hardware. U. S. Hame Company. 171,211–12; July 31; Serial Nos. 178,312–13; published May 15, 1923.
Trunks, Wardrobe. Seward Trunk and Bag Company. 171,214; July 31; Serial No. 178,004; published May 15, 1923.

CLASS 4.

Cleaner, Dry. Davis Chemical Company. 171,203; July 31; Serial No. 152,834; published Apr. 24, 1923.
Papers, electric abrasive cloth, etc., Aluminum-oxide, etc. H. H. Barton and Son Co. 171,082; July 31; Serial No. 173,461; published Apr. 24, 1923.
Soap and shaving powder, Toilet. Karlsruher Parfümerie- & Toilettenseifen-Fabrik, F. Wolff & Sohn, Gesellschaft mit beschränkter Haftung. 171,096; July 31; Serial No. 173,719; published Apr. 24, 1923.
Soaps, pastes, powders, etc. Devoto y Cauchaner. 171,072; July 31; Serial No. 171,729; published Apr. 3, 1923.

CLASS 5.

Paste, Dry. Pyramid Process Co. 171,223; July 31; Serial No. 177,200; published May 15, 1923.

CLASS 6.

Insecticide and germicide. Can-Ho-Lab. Chemical Co. 171,091; July 31; Serial No. 173,401; published Apr. 24, 1923.
Perfume, toilet water, rouges, etc. E. Daltroff & Cie. 171,100; July 31; Serial No. 174,169; published Apr. 24, 1923.
Preparation for the treatment of piles. L. Wodicska. 171,083; July 31; Serial No. 173,616; published May 8, 1923.

CLASS 7.

Cords, twines, ropes, and lines. Highland Cordage Company. 171,217; July 31; Serial No. 177,668; published May 15, 1923.

CLASS 11.

Paper and typewriter ribbons, Carbon. Buckeye Ribbon & Carbon Co. 171,183; July 31; Serial No. 172,080; published Apr. 24, 1923.
Paper, typewriter and multigraph ribbon, Carbon. W. J. Johnson. 171,074; July 31; Serial No. 171,221; published Apr. 24, 1923.
Typewriter ribbons. Blackbird Factories, Inc. 171,195; July 31; Serial No. 166,950; published Apr. 24, 1923.

CLASS 13.

Casters, Sliding. International Supply Company. 171,179; July 31; Serial No. 171,697; published Apr. 24, 1923.
Chains, Sheet-metal. Smith & Egge Manf'g. Co. 171,090; July 31; Serial No. 173,447; published Apr. 24, 1923.
Hinges. Way Works, Incorporated. 171,107; July 31; Serial No. 174,549; published Apr. 24, 1923.

CLASS 15.

Compound for loosening tight nuts on bolts and lubricating leaf springs. J. A. Carroll. 171,216; July 31; Serial No. 177,726; published May 15, 1923.
Oil, Motor. Henry H. Cross Company. 171,117; July 31; Serial No. 175,180; published May 1, 1923.
Oils and greases, Lubricants comprising. Keystone Lubricating Company. 171,209; July 31; Serial No. 178,511; published May 15, 1923.
Oils and greases, Lubricants comprising Keystone Lubricating Company. 171,210; July 31; Serial No. 178,509; published May 15, 1923.
Oils, Lubricating. C. R. Gillett. 171,264; July 31; Serial No. 169,293; published May 15, 1923.

CLASS 16.

Auto products. Auto Products Mfg. Co. Inc. 171,035; July 31; Serial No. 158,744; published May 8, 1923.
Paint, varnish, and paint enamel, Ready-mixed. Republic Varnish Company. 171,266; July 31; Serial No. 177,107; published May 15, 1923.
Paint. A. C. Horn Company. 171,165; July 31; Serial No. 176,738; published May 1, 1923.
Polishes for automobiles and furniture. L. E. Beougher. 171,166; July 31; Serial 176,781; published Apr. 24, 1923.
Polishes, Furniture and automobile. P. S. Bern. 171,092; July 31; Serial No. 174,505; published May 15, 1923.
Pyroxylin thinner. Flood & Conklin Company. 171,213; July 31; Serial No. 178,174; published May 15, 1923.
Varnishes. Edward Smith & Company. 171,219; July 31; Serial No. 177,629; published May 1, 1923.
White, Paris. Talutor Company. 171,158; July 31; Serial No. 176,314; published May 1, 1923.

CLASS 17.

Cigarettes. E. Funke. 170,999–1,000; July 31; Serial Nos. 177,553–4; published May 8, 1923.
Cigarettes. Western Tobacco Company. 171,156; July 31; Serial No. 176,236; published Apr. 24, 1923.
Cigarettes, cigars, smoking and chewing tobacco, etc. V. Jones. 171,062; July 31; Serial No. 167,245; published May 8, 1923.
Cigars. Otto Eisenlohr & Bros. Incorporated. 171,220; July 31; Serial No. 177,477; published Apr. 24, 1923.
Cigars. M. Stern. 171,079; July 31; Serial No. 169,516; published May 8, 1923.
Cigars, cheroots, and little cigars. Leopold Powell & Co. 171,038; July 31; Serial No. 149,480; published May 15, 1923.

CLASS 19.

Sleds. Safety Sled Company. 171,150; July 31; Serial No. 175,949; published Apr. 24, 1923.

CLASS 20.

Oilcloth. T. R. Goodlatte & Sons (Inc.). 171,118; July 31; Serial No. 175,193; published Apr. 24, 1923.

CLASS 21.

Bare and insulated wire, cable, and cordage for electrical purposes. American Copper Products Corporation. 171,030; July 31; Serial No. 160,685; published Apr. 24, 1923.
Conduits for electrical purposes, Fiber. Brown Company. 171,053; July 31; Serial No. 175,709; published Apr. 24, 1923.
Electric lights for automobiles, etc., and parts thereof. Radio-Lite, Inc. 171,070; July 31; Serial No. 172,394; published Apr. 24, 1923.
Electric stoves, heaters, sadirons, etc. A. J. Lindemann & Hoverson Company. 171,019; July 31; Serial No. 167,575; published Apr. 24, 1923.
Electrical control apparatus. Dalton, Whittier True Company. 171,084; July 31; Serial No. 174,201; published Apr. 24, 1923.
Engines, Ignition-timing devices for internal-combustion. Ecometer Manufacturing Company. 171,037; July 31; Serial No. 151,151; published Apr. 24, 1923.
Hammers, Electric. National Electric Manufacturing Company. 171,055; July 31; Serial No. 175,881; published Apr. 24, 1923.
Headlights and flood lights, Electric. Berkeley Light Corporation. 171,040; July 31; Serial No. 137,513; published Apr. 24, 1923.
Insulation purposes, Treated and untreated tapes for electrical. Mica Insulator Company. 171,086; July 31; Serial No. 173,844; published Apr. 24, 1923.
Jacks for radio telephone and telegraph and similar purposes. Pacent Electric Company. 171,274; July 31.

Knife switches, panel boards, switchboards, and fuse reducers. Plainville Electrical Products Company. 171,073; July 31; Serial No. 171,432; published Apr. 24, 1923.
Lightning arresters. Westinghouse Electric & Manufacturing Company. 171,006; July 31; Serial No. 176,864; published Apr. 24, 1923.
Motors, generators, and transformers, Electric. Charlotte Electric Repair Co. 171,119; July 31; Serial No. 175,300; published Apr. 24, 1923.
Radio receiving outfits. D. Grimes. 171,042; July 31; Serial No. 174,657; published Apr. 24, 1923.
Radio receiving sets. Marinette Electric Corporation. 171,008; July 31; Serial No. 176,634; published Apr. 24, 1923.
Radio receiving sets. Radio Corporation of America. 171,044; July 31; Serial No. 174,859; published Apr. 24, 1923.
Radio telephone and telegraph and similar purposes, Connector plugs for. Pacent Electric Company. 171,275; July 31.
Radio telephone and telegraphic instruments and parts thereof. Union Radio Corporation. 171,068; July 31; Serial No. 162,091; published Apr. 24, 1923.
Sadirons, Electric. Jordan Marsh Company. 171,085; July 31; Serial No. 173,890; published Apr. 24, 1923.

CLASS 22.

Balls and footballs, Golf. Martins Birmingham Limited. 171,097; July 31; Serial No. 173,972; published May 1, 1923.
Cards, Playing. Russell Playing Card Co. 171,225; July 31; Serial No. 177,109; published Apr. 24, 1923.
Dolls. George Borgfeldt & Co. 171,046; July 31; Serial No. 175,378; published May 15, 1923.
Dolls. L. B. Kelley. 171,122; July 31; Serial No. 175,660; published Apr. 24, 1923.
Dolls. F. O. King. 171,222; July 31; Serial No. 177,228; published Apr. 24, 1923.
Dolls and toy favors. S. Robert. 171,080; July 31; Serial No. 173,247; published May 15, 1923.
Fishing flies and artificial bait. Horrocks-Ibbotson Co. 171,083; July 31; Serial No. 173,601; published May 15, 1923.
Fishing lines. Newton Line Company. 171,094; July 31; Serial No. 173,663; published May 1, 1923.
Fishing lines. Newton Line Company. 171,095; July 31; Serial No. 173,668; published May 1, 1923.
Fishing lines. Newton Line Company Incorporated. 171,112; July 31; Serial No. 174,747; July 31; published May 1, 1923.
Fishlines. Bevin-Wilcox Line Company. 171,121; July 3; Serial No. 175,595; published Apr. 24, 1923.
Gaming devices. J. H. Ewing. 171,103; July 31; Serial No. 174,360; published May 1, 1923.
Golf bags. Winchester Company. 171,152; July 31; Serial No. 176,055; published Apr. 24, 1923.
Golf clubs. Braw Laddie Golf Company. 171,153; July 31; Serial No. 176,062; published Apr. 24, 1923.
Golf-stroke practice and exercising device. A. W. Miller. 171,163; July 31; Serial No. 176,637; published Apr. 24, 1923.
Racks used in connection with the game of Mah Jack. J. T. Gaffey. 171,043; July 31; Serial No. 174,770; published May 15, 1923.
Rattles, Hand. I. J. Halpern. 171,114; July 31; Serial No. 174,961; published May 1, 1923.
Skates, Ice. American Sport Shop, Inc. 171,120; July 31; Serial No. 175,453; published Apr. 24, 1923.
Tennis tape reels, baseballs, baseball gloves and mits, buts, etc. Charles M. Ghriskey's Sons. 171,174; July 31; Serial No. 171,456; published May 1, 1923.
Tops, Spinning. Sipp Novelty Co. Inc. 171,116; July 31; Serial No. 175,029; published May 1, 1923.
Toy animals. Asiatic Import Co. 171,228; July 31; Serial No. 177,030; published Apr. 24, 1923.
Toy coasters. H. E. M. Mfg. Co. 171,151; July 31; Serial No. 176,023; published Apr. 24, 1923.
Toy vehicles, Self-propelled. C. E. Bowers. 171,227; July 31; Serial No. 177,067; published Apr. 24, 1923.
Toys, etc., Stuffed figure. Ted Morton & Co. Inc. 171,007; July 31; Serial No. 176,639; published May 15, 1923.
Toys, Figure. W. Fuld. 171,003; July 31; Serial No. 176,961; published May 15, 1923.
Toys, Wheeled. J. T. Casey. 171,232; July 31; Serial No. 170,968; published May 1, 1923.

CLASS 23.

Hammers. Stanley Works, The. 171,249; July 31; Serial No. 167,491; published Feb. 27, 1923.
Vehicles, Gear shifts and parts thereof for motor. J. R. Flannery. 171,108; July 31; Serial No. 174,566; published Apr. 24, 1923.

CLASS 24.

Clothes-supporting racks. F. W. Hennessy. 171,069; July 31; Serial No. 172,836; published Apr. 24, 1923.
Mangles. Sperlich and Uhlig Company. 171,075; July 31; Serial No. 170,222; published Apr. 24, 1923.
Washing machines and wringers, Laundry. Marshall-Wells Company. 171,087; July 31; Serial No. 174,211; published Apr. 24, 1923.
Washing machines, Clothes. American Range & Foundry Company. 171,081; July 31; Serial No. 173,352; published Apr. 24, 1923.

CLASS 27.

Watches, watch movements, and parts thereof. Hipp. Didisheim Company. 171,061; July 31; Serial No. 174,621; published Apr. 24, 1923.

CLASS 28.

Cigarette, cigar, match, spectacle, eyeglass and vanity cases. Wightman & Hough Company. 171,278; July 31.
Pearls, Artificial. M. A. Zolla. 171,142; July 31; Serial No. 160,378; published Apr. 24, 1923.

CLASS 29.

Brooms. M. G. Goeller's Sons. 171,054; July 31; Serial No. 175,861; published May 15, 1923.
Brushes for painting, varnishing, etc. John L. Whiting-J. J. Adams Company. 171,060; July 31; Serial No. 175,585; published May 15, 1923.
Powder puffs. Western Bottle Manufacturing Company. 171,056; July 31; Serial No. 176,140; published May 15, 1923.
Powder puffs, toothbrushes, hairbrushes, hand and clothes brushes. Western Bottle Manufacturing Company. 171,057; July 31; Serial No. 176,145; published May 15, 1923.

CLASS 30.

Chinaware. Mayer China Company. 171,115; July 31; Serial No. 175,017; published May 8, 1923.

CLASS 31.

Refrigerating apparatus. Automatic Refrigerating Company. 170,998; July 31; Serial No. 177,644; published May 15, 1923.
Refrigerators, Domestic. Prescott & Company. 171,224; July 31; Serial No. 177,199; published May 8, 1923.

CLASS 36.

Phonograph needles. Wall-Kane Needle Mfg. Co. 171,271; July 31.
Phonographs, talking and musical machines, phonograph needles. Polyphonwerke Aktiengesellschaft. 171,039; July 31; Serial No. 145,583; published Apr. 24, 1923.
Talking machines and phonographs. Sonora, Inc. 171,276; July 31.

CLASS 37.

Apple wrappers. F. C. Strype. 171,005; July 31; Serial No. 176,924; published May 15, 1923.
Crayons and pencils. American Crayon Company. 171,221; July 31; Serial No. 177,347; published May 8, 1923.
Envelopes. Kovacs and Meszaros. 171,146; July 31; Serial No. 162,179; published May 1, 1923.
Paper and envelopes. Berlin & Jones Company. 171,167; July 31; Serial No. 176,783; published May 8, 1923.
Paper and mailing envelopes, Writing and printing. American Writing Paper Company. 171,051; July 31; Serial No. 175,540; published May 15, 1923.
Paper, Bond. Peerless Paper Company. 171,178; July 31; Serial No. 171,653; published May 8, 1923.
Paper, Bond writing and printing. Collins Mfg. Co. 171,017; July 31; Serial No. 168,836; published May 15, 1923.
Paper, Book, bond, and writing. Chillicothe Paper Company. 171,109; July 31; Serial No. 174,610; published Apr. 24, 1923.
Paper, Crêpe, Tissue Company. 171,002; July 31; Serial No. 177,150; published May 15, 1923.
Paper holder, Memorandum-. Bliss Company. 171,159; July 31; Serial No. 176,321; published May 1, 1923.
Paper, Wall. Robert Griffin Company, The. 171,143; July 31; Serial No. 161,250; published May 1, 1923.
Paper, Wrapping. Ailing & Cory Co. 171,001; July 31; Serial No. 177,158; published Apr. 24, 1923.
Paper, Writing and bond. Becker Paper Corporation. 170,997; July 31; Serial No. 178,209; published May 15, 1923.
Papeteries, writing and typewriting tablets, writing paper, and mailing envelopes. White & Wyckoff Manufacturing Company. 171,149; July 31; Serial No. 175,750; published May 1, 1923.
Pencils, Lead. Blaisdell Pencil Company. 171,004; July 31; Serial No. 176,943; published Apr. 24, 1923.
Pens. C. Howard Hunt Pen Company. 171,154; July 31; Serial No. 176,128; published May 1, 1923.
Pens and pencils, Fountain. M. & H. Silver, Incorporated. 171,045; July 31; Serial No. 174,928; published May 15, 1923.
Tags. Dennison Manufacturing Co. 171,160; July 31; Serial No. 176,330; published May 1, 1923.

CLASS 38.

Publications and negotiable papers. North-Western Trust & Savings Bank. 171,036; July 31; Serial No. 151,922; published Apr. 10, 1923.

CLASS 39.

Bags, baseball, bathing, and college caps, men's and ladies' sport clothes, Bat. P. Goldsmith's Sons. 171,192; July 31; Serial No. 139,353; published May 8, 1923.

Caps for men, boys, and children. National Cap Mfg. Company. 171,133; July 31; Serial No. 159,522; published May 1, 1923.
Collars, neckties, suspenders, etc. Babcock & Shannon Co. 171,269; July 31; Serial No. 168,869; published May 8, 1923.
Dresses, coats, and blouses, Ladies'. R. Kirshbaum & Son, Inc. 171,245; July 31; Serial No. 169,957; published May 8, 1923.
Dresses, Ladies'. L. Bernstein. 171,267; July 31; Serial No. 169,235; published May 8, 1923.
Dresses, Ladies' and misses'. Jos. A. Morris & Co. 171,239; July 31; Serial No. 170,399; published May 8, 1923.
Dresses, Young ladies'. J. Philip Rosenbloom Co. 171,258; July 31; Serial No. 169,457; published May 1, 1923.
Fur coats, capes, etc. Feldbaum & Spiegel, Inc. 171,260; July 31; Serial No. 169,439; published May 8, 1923.
Hats. Mallory Hat Company. 171,207; July 31; Serial No. 156,653; published May 8, 1923.
Hats for men and boys. Bunnie Hat Co. Inc. 171,134; July 31; Serial No. 159,532; published May 8, 1923.
Hosiery. S. A. Goldberg. 171,241; July 31; Serial No. 170,375; published May 8, 1923.
Hosiery. Greenebaum, Weil & Michels. 171,256; July 31; Serial No. 169,590; published May 8, 1923.
Hosiery. Toewear Hosiery Incorporated. 171,199; July 31; Serial No. 148,774; published May 8, 1923.
Hosiery and knitted underwear. Realsilk Fabrics Corporation. 171,243; July 31; Serial No. 170,308; published May 8, 1923.
Knit underwear, Ladies'. California Underwear and Hosiery Mills. 171,255; July 31; Serial No. 169,619; published May 1, 1923.
Knitted caps. Bamberger Reinthal Co. 171,201; July 31; Serial No. 151,864; published May 8, 1923.
Knitted outer garments. Halpern & Kalb, Inc. 171,244; July 31; Serial No. 170,186; published May 1, 1923.
Nightgowns. L. B. Clark Mfg. Co. 171,251; July 31; Serial No. 169,891; published May 1, 1923.
Overalls. Kaynee Company. 171,191; July 31; Serial No. 126,222; published May 1, 1923.
Pants, jackets, overalls, etc. Babcock & Shannon Co. 171,268; July 31; Serial No. 168,870; published May 8, 1923.
Rompers and play garments, Children's. Kaynee Company. 171,190; July 31; Serial No. 126,221; published May 1, 1923.
Shirts. Kingly Shirt Co. 171,262; July 31; Serial No. 169,363; published May 8, 1923.
Shirts. S & S Shirt Company. 171,196; July 31; Serial No. 147,217; published May 1, 1923.
Shirts, Men's and boys' dress. Lanchester Shirt Co. Inc. 171,254; July 31; Serial No. 169,717; published May 8, 1923.
Shirts, Neckbands for men's. C. W. Lifschitz. 171,131; July 31; Serial No. 159,400; published May 8, 1923.
Shirts, pyjamas, and underwear. Men's dress and negligee. Wilson Brothers. 171,282; July 31; Serial No. 170,320; published May 8, 1923.
Suits and coats, Ladies' sport. Parker-Bridget Company. 171,138; July 31; Serial No. 159,720; published May 1, 1923.
Suits and overcoats, Men's and boys'. The Fair. 171,202; July 31; Serial No. 152,124; published May 1, 1923.
Suits and topcoats, Men's and young men's. Mintz & Friedman. 171,259; July 31; Serial No. 169,455; published May 1, 1923.
Suits, Boys' sailor. Alexander Linsk & Company. 171,130; July 31; Serial No. 159,157; published May 8, 1923.
Suits, coats, dresses, furs, etc., Ladies' and misses'. Cincinnati Cloak & Suit Company. 171,246; July 31; Serial No. 169,948; published May 8, 1923.
Underwear, Ladies' silk. Vanity Fair Silk Mills. 171,198; July 31; Serial No. 147,649; published May 8, 1923.

CLASS 41.

Umbrellas. Kortenbach & Rauh. 171,066; July 31; Serial No. 162,557; published May 8, 1923.
Umbrellas. Kortenbach & Rauh. 171,148; July 31; Serial No. 162,556; published May 1, 1923.

CLASS 42.

Cotton piece goods. Great Falls Manufacturing Company. 171,189; July 31; Serial No. 157,367; published Apr. 3, 1923.
Hair nets. Fulghum & Company. 171,162; July 31; Serial No. 176,613; published May 1, 1923.
Hair nets. A. A. Juilfs. 171,132; July 31; Serial No. 159,509; published May 1, 1923.
Sheetings and drills, Unbleached. R. A. Suffern. 171,208; July 31; Serial No. 157,109; published Apr. 17, 1923.
Wool, silk, cotton, and mixtures of same piece goods. William Hollins & Company. 171,272; July 31.

CLASS 44.

Cotton, gauze, and waste, bandage rolls, etc., Absorbent. Hygienic Fibre Company. 171,215; July 31; Serial No. 177,784; published May 15, 1923.

CLASS 45.

Beverage, Grape. Nu Grape Company of America. 171,157; July 31; Serial No. 176,276; published May 1, 1923.
Beverage sold as a soft drink. M. L. Eisenberg. 171,047; July 31; Serial No. 175,349; published May 15, 1923.
Beverage sold as a soft drink. W. H. Gunckel. 171,137; July 15; Serial No. 159,760; published May 1, 1923.
Beverages sold as soft drinks and sirups, etc., for making same. W. D. Bost. 171,058; July 31; Serial No. 176,444; published May 15, 1923.
Beverages sold as soft drinks and sirups for making same. W. E. Tanner. 171,088; July 31; Serial No. 174,495; published May 15, 1923.
Beverages sold as soft drinks and sirups for preparing same. Garrett and Co. 171,098; July 31; Serial No. 174,077; published May 1, 1923.
Drink, Nonalcoholic, maltless orange. Comet's California Orange Drink Co. 171,059; July 31; Serial No. 176,452; published May 15, 1923.
Drink, Soft. R. G. Stoehr. 171,106; July 31; Serial No. 174,491; published May 1, 1923.
Drinks, Nonalcoholic, maltless soft. J. F. Lazier Mfg. Co. 171,050; July 31; Serial No. 175,430; published May 8, 1923.
Fruit juices, Nonalcoholic, maltless concentrated. California Citrus Fruit Juice Company. 171,155; July 31; Serial No. 176,163; published May 1, 1923.
Ginger ale. M. L. Eisenberg. 171,048; July 31; Serial No. 175,350; published May 15, 1923.
Sirups for manufacture of nonalcoholic maltless beverages, etc., Concentrated. V. Jones. 171,018; July 31; Serial No. 167,247; published May 8, 1923.
Soft drinks, Maltless. M. L. Eisenberg. 171,049; July 31; Serial No. 175,351; published May 15, 1923.

CLASS 46.

Alimentary paste products. Tharinger Macaroni Company. 171,229; July 31; Serial No. 171,186; published May 15, 1923.
Apples, Fresh. Alaga & Forencich Co. 171,104; July 31; Serial No. 174,422; published May 8, 1923.
Apples, Fresh. W. A. Bolinger. 171,071; July 31; Serial No. 171,896; published May 8, 1923.
Bread. James Butler Inc. 171,067; July 31; Serial No. 162,240; published Mar. 27, 1923.
Bread. Ward Baking Company. 171,015; July 31; Serial No. 169,386; published Apr. 3, 1923.
Bread. Ward Baking Company. 171,016; July 31; Serial No. 169,387; published Mar. 27, 1923.
Bread. Ward Baking Company. 171,028; July 31; Serial No. 168,699; published Apr. 3, 1923.
Bread and crackers. Potter-Wrightington, Inc. 171,064; July 31; Serial No. 164,186; published Mar. 27, 1923.
Butter. Sunshine Stores, Inc. 171,027; July 31; Serial No. 168,498; published Mar. 20, 1923.
Cake. Diamond Cake Company. 170,141; July 31; Serial No. 160,239; published Mar. 27, 1923.
Candies. J. N. Collins Company. 171,250; July 31; Serial No. 160,488; published Dec. 12, 1922.
Candies. Mary M. Hardy & Florence H. Baird. 171,111; July 31; Serial No. 174,737; published May 8, 1923.
Candies. King Candy Co. 171,257; July 31; Serial No. 169,551; published May 1, 1923.
Candies, Chocolate. Parnibeck Chocolate Co. 171,125; July 31; Serial No. 175,515; published May 15, 1923.
Candy. Cactus Crystal Company. 171,173; July 31; Serial Nos. 171,449–50; published Mar. 27, 1923.
Candy. Chocolate Products Company. 171,180; July 31; Serial No. 171,686; published May 1, 1923.
Candy. George Close Co. 171,237; July 31; Serial No. 170,564; published May 8, 1923.
Candy. George Close Co. 171,238; July 31; Serial No. 170,562; published May 1, 1923.
Candy. E. Dean. 171,261; July 31; Serial No. 169,435; published May 15, 1923.
Candy. Walter J. Hirsch Company. 171,147; July 31; Serial No. 162,547; published May 15, 1923.
Candy. Robert A. Johnston Company. 171,128; July 31; Serial No. 175,659; published May 15, 1923.
Candy. A. G. Morse Co. Inc. 171,123; July 31; Serial No. 175,674; published May 15, 1923.
Candy. Ohio Confection Company. 171,168; July 31; Serial No. 175,883; published May 15, 1923.
Candy. Wilton-Plantz Candy Company. 171,204; July 31; Serial No. 154,540; published May 1, 1923.
Candy and confections. E. McKnight. 171,188; July 31; Serial No. 171,761; published May 1, 1923.
Candy bar. Miller-McMillen Co. 171,181; July 31; Serial No. 172,235; published May 8, 1923.
Canned and bottled fruits, jams, jellies, and olives. Virden Packing Company. 171,126; July 31; Serial No. 175,581; published May 15, 1923.
Canned and dried fruits and vegetables, canned fish, salted fish, canned meats, etc. Steele-Wedeles Company. 171,139; July 31; Serial No. 159,889; published Mar. 20, 1923.
Canned apricots, grapes, plums, peaches, pineapple, cherries, pears, corn, peas, and asparagus. Francis H. Leggett & Company. 171,247; July 31; Serial No. 171,275; published May 8, 1923.

Canned beans and tomatoes, etc., chili sauce and catchup put up in containers. American Cone and Pretzel Company. 171,171; July 31; Serial No. 171,398; published May 1, 1923.
Canned evaporated milk. C. A. Baumann. 171,206; July 31; Serial No. 155,662; published May 8, 1923.
Canned fruits and vegetables. F. M. Ball & Company. 171,101; July 31; Serial No. 174,229; published May 15, 1923.
Canned fruits and vegetables. Haas Brothers. 171,110; July 31; Serial No. 174,694; published May 8, 1923.
Canned fruits and vegetables. McHenry Cannery. 171,187; July 31; Serial No. 171,937; published May 1, 1923.
Canned fruits and vegetables. H. M. Newhall & Co. 171,253; July 31; Serial No. 169,772; published May 1, 1923.
Canned fruits and vegetables, jams, preserves, dried fruits, etc. California Growers Association, Inc. 171,252; July 31; Serial No. 169,844; published May 15, 1923.
Canned fruits, fruit salad, and vegetables, and dried fruit. F. G. Wool Packing Company. 171,184; July 31; Serial No. 172,071; published May 1, 1923.
Canned peaches, canned Lima beans, beans, tomatoes, and sweet potatoes. American Cone and Pretzel Company. 171,172; July 31; Serial No. 171,400; published May 8, 1923.
Canned peaches, tomatoes, and sweet potatoes. American Cone and Pretzel Company. 171,170; July 31; Serial No. 171,397; published May 1, 1923.
Canned pineapple. Haiku Fruit & Packing Co. 171,266; July 31; Serial No. 169,243; published May 8, 1923.
Canned pineapple. Hawaiian Pineapple Company. 171,197; July 31; Serial No. 147,426; published May 8, 1923.
Canned plum pudding. A. Silz, Inc. 171,231; July 31; Serial No. 171,141; published May 22, 1923.
Canned salmon. H. Conniff. 171,236; July 31; Serial No. 170,566; published May 1, 1923.
Canned salmon. M. Pinkus. 171,124; July 31; Serial No. 175,735; published May 15, 1923.
Cheese. Crawford Farms, Incorporated. 171,023; July 31; Serial No. 168,025; published Apr. 3, 1923.
Cheese. Crawford Farms, Incorporated. 171,024; July 31; Serial No. 168,026; published Mar. 27, 1923.
Cheese. T. L. Knapstein. 171,076; July 31; Serial No. 170,071; published Mar. 27, 1923.
Cheese, Cream. A. Britton. 171,025; July 31; Serial No. 168,097; published Apr. 3, 1923.
Cheese, mustard, farina, tea, coffee, chocolate, etc. I. Geltman. 171,078; July 31; Serial No. 169,751; published Apr. 3, 1923.
Chocolate cubes. Borden Company. 171,273; July 31.
Chocolate mixture. Hershey Chocolate Company. 171,063; July 31; Serial No. 166,453; published Feb. 20, 1923.
Chocolates and candies. E. Greenfield's Sons. 171,240; July 31; Serial No. 170,385; published May 15, 1923.
Coffee. Laird Manufacturing Co., Inc. 171,177; July 31; Serial No. 171,581; published May 8, 1923.
Coffee and tea. Eagle Tea & Coffee Company. 171,164; July 31; Serial No. 176,672; published May 22, 1923.
Coffee and tea. Requa Bros. 171,233; July 31; Serial No. 170,834; published May 15, 1923.
Coffee, canned fruits, vegetables, and fish, table molasses. Potter-McCune Company. 171,020; July 31; Serial No. 167,687; published Apr. 3, 1923.
Coffee, flavoring extracts, milk, tea, canned goods. Riker, Galindo & Company. 171,277; July 31.
Confections comprising chocolates, bonbons, etc. Roach Tisdale & Co. 171,089; July 31; Serial No. 173,534; published Apr. 24, 1923.
Crab meat. Taiyo Trading Company. 171,248; July 31; Serial No. 171,236; published May 15, 1923.
Dates, salted nuts, and preserved figs. Royal Seal Food Products Co. 171,234; July 31; Serial No. 170,789; published May 8, 1923.
Doughnut mixture, Prepared. W & L Baking Company. 171,022; July 31; Serial No. 167,960; published Mar. 20, 1923.
Eggs. C. W. Jean Company. 171,041; July 31; Serial No. 112,202; published May 8, 1923.
Feed, Dairy and cattle. Larrowe Milling Company. 171,032; July 31; Serial No. 159,587; published Apr. 3, 1923.
Feed, Dairy and cattle. Larrowe Milling Company. 171,135–6; July 31; Serial Nos. 159,588–9; published Apr. 3, 1923.
Feed for animals, Prepared. Arcady Farms Milling Company. 171,029; July 31; Serial No. 160,847; published Mar. 27, 1923.
Feed for horses, cattle, hogs, and chickens. Mountain City Mill Company. 171,031; July 31; Serial No. 160,419; published Mar. 27, 1923.
Feed, Stock. J. Allen Smith & Company. 171,011; July 31; Serial No. 169,089; published Mar. 27, 1923.
Feed, Stock. Whyte Commission Company. 171,012; July 31; Serial No. 169,108; published Mar. 27, 1923.
Feed, Stock, dairy, and poultry. Whyte Commission Company. 171,013; July 31; Serial No. 169,109; published Mar. 20, 1923.
Flavoring extracts, Food-. Julius Marcus Company. 171,263; July 31; Serial No. 169,313; published May 1, 1923.
Flour, Prepared. Ballard & Ballard Company. 171,034; July 31; Serial No. 159,081; published Mar. 27, 1923.
Flour, Wheat. Graham Mill & Elevator Co. 171,033; July 31; Serial No. 159,311; published Mar. 27, 1923.
Flour, Wheat. Noblesville Milling Co. 171,021; July 31; Serial No. 167,885; published Mar. 20, 1923.
Flour, Wheat. Randolph Milling Company. 171,026; July 31; Serial No. 168,170; published Apr. 3, 1923.
Flour, Wheat. B. L. Robertson. 171,074; July 31; Serial No. 169,323; published Apr. 3, 1923.
Food articles. Never Enough Pie Company. 171,077; July 31; Serial No. 169,769; published Apr. 3, 1923.
Food, Breakfast cereal. Albers Bros. Milling Co. 171,265; July 31; Serial No. 169,270; published Apr. 3, 1923.
Food preparation. Certified Foods, Inc. 171,065; July 31; Serial No. 163,918; published Apr. 3, 1923.
Food preparation. Coleman and Company, Limited. 171,193; July 31; Serial No. 140,919; published May 8, 1923.
Fruit preserves, jams, jelly, apple butter, sweet and sour pickles, sour relish, etc. G. H. Wetterau & Sons Grocer Company. 171,235; July 31; Serial No. 170,736; published May 8, 1923.
Fruits, fresh vegetables, canned fruits and vegetables, and fruit jam, Fresh deciduous and citrous. Pleasant Grove Canning Co. 171,186; July 31; Serial No. 171,952; published May 1, 1923.
Ice cream, Compound of vegetable gums and sugars for use as an ingredient of. Liquid Carbonic Company. 171,161; July 31; Serial No. 176,485; published May 22, 1923.
Ice-cream confections, Square Dipper Specialty Company. 171,175; July 31; Serial No. 171,474; published Mar. 27, 1923.
Ice cream inclosed in pastry. G. H. Garnet. 171,144; July 31; Serial No. 161,251; published Apr. 17, 1923.
Lard substitute, Vegetable. Cooknut Corporation. 171,127; July 31; Serial No. 175,651; published May 15, 1923.
Macaroni, spaghetti, macaroni shells, vermicelli, etc. Kansas City Macaroni & Importing Co. 171,169; July 31; Serial No. 171,325; published May 1, 1923.
Milk powder, Whole-. Merrell-Soule Company. 171,105; July 31; Serial No. 174,474; published May 8, 1923.
Oil, Cottonseed. Cooknut Corporation. 171,052; July 31; Serial No. 175,652; published May 15, 1923.
Oil, Edible corn. Corn Products Refining Co. 171,176; July 31; Serial No. 171,487; published May 1, 1923.
Oils, Olive and salad. Strohmeyer & Arpe Company. 171,200; July 31; Serial No. 151,237; published May 1, 1923.
Oranges, grapefruit, and citrous fruit. J. M. Knight. 171,270; July 31; Serial No. 168,848; published May 1, 1923.
Pickles and condiments. Price-Booker Manufacturing Company. 171,099; July 31; Serial No. 174,100; published May 8, 1923.
Poultry, Dressed. Seymour Packing Company. 171,113; July 31; Serial No. 174,925; published May 8, 1923.
Powder to be used in the preparation of salad dressing. G. M. Field. 171,230; July 31; Serial No. 171,158; published May 8, 1923.
Prunes. J. A. Wayborn. 171,205; July 31; Serial No. 154,631; published May 15, 1923.
Raisins. Hershey Chocolate Company of New York. 171,129; July 31; Serial No. 158,774; published Apr. 17, 1923.
Relishes, Vegetable. G. J. Easton. 171,182; July 31; Serial No. 172,149; published May 8, 1923.
Rolls, Edible. Tristate Baking Co. 171,010; July 31; Serial No. 169,103; published Apr. 3, 1923.
Salad dressing. C. Weisbecker. 171,102; July 31; Serial No. 174,349; published May 8, 1923.
Shorts, Gray. Midland Flour Milling Co. 171,009; July 31; Serial No. 169,029; published Mar. 20, 1923
Spices. American Tea & Coffee Co. 171,194; July 31; Serial No. 141,447; published May 15, 1923.
Sugar. Tate & Lyle Limited. 171,145; July 31; Serial No. 161,707; published May 15, 1923.
Tea. C & T Importing Company. 171,185; July 31; Serial No. 171,984; published May 15, 1923.

CLASS 48.

Sirup used in making beverages, Dextrinous American Burtonizing Company and Wallerstein Laboratories. 171,140; July 31; Serial No. 160,178; published May 1, 1923.

ALPHABETICAL LIST OF LABELS.

A. F. C. Laces. For Lace Cards. American Fabrics Company. 26,264; July 31.
Baby Comfort Kit. For a Container Holding Articles for the Care of Babies. Miller Rubber Company. 26,277; July 31.
Blatz Bohemian Malt Syrup. For Malt Syrups. Val. Blatz Brewing Company. 26,282; July 31.
Blue Dot. For Hops. L. M. Hirschler. 26,272; July 31.
Buck Shot Load. For Loaded Shot Shells. Remington Arms Company. 26,280; July 31.
Cooney's Ink Paste. For Concentrated Ink. F. B. Cooney. 26,267; July 31.
Dependable. For Coffee. Dwight Edwards Company. 26,268; July 31.
Eggs. For Poultry Products. Long Island Poultry Association. 26,273; July 31.
Golden Cal. For Canned Asparagus. Mailliard & Schmiedell. 26,275; July 31.
Golden Cal. For Canned Grapefruit. Mailliard & Schmiedell. 26,274; July 31.
Golden Horn. For Roasted Coffee. Ennis-Hanly-Blackburn Coffee Co. 26,269; July 31.
Graham Bread. For Bread. Hamersley Manufacturing Company. 26,271; July 31.
It's A Candy Dandy Bird. For a Toy with a Whistle. Musical Toy Production Company. 26,278; July 31.
"Rhopac" Flexible Metallic Packing. For Packing. Chicago Metallic Packing Co. 26,266; July 31.
Seaware. For Paint. J. W. Merriman. 26,276; July 31.
Sigaro Vesuvio. For Boxes and Cans Containing Cigars. Parodi Cigar Co. 26,279; July 31.
The Shingle Beautiful. For Shingles. T. A. Bruett Lumber, Inc. 26,265; July 31.
Wanda Hair Net. For Hair Nets. N. Seligman. 26,281; July 31.
Whole Wheat Bread. For Bread. Hamersley Manufacturing Company. 26,270; July 31.

ALPHABETICAL LIST OF PRINTS.

Above them all! For Cuff Buttons. J. F. Sturdy's Sons Company. 6,844; July 31.
Columbia New Process Records. For Graphophone Records. Columbia Graphophone Company. 6,837; July 31.
Hitone Kut. For Fancy-Cut Spectacle and Eyeglass Lenses. W. B. Georgia. 6,840; July 31.
Hour Saving Appliances. For Domestic-Labor-Saving Devices, and Particularly Vacuum Cleaners, Washers, Ironers, and Wringers. Apex Electrical Manufacturing Company. 6,836; July 31.
Kept Sweet and Clean with Gold Dust. For Gold Dust Washing Powder. N. K. Fairbank Company. 6,838; July 31.
Most Serious Dental Troubles Start at The Danger Line. For Squibb's Magnesia Dental Cream. E. R. Squibb & Sons. 6,842; July 31.
Steameter The new heat Indicator. For Temperature-Indicating Devices. Steameter Co. 6,843; July 31.
That you may know. For Drugs. E. R. Squibb & Sons. 6,841; July 31.
Thommen's Inc. Originators of the Japanese Cake. For Cake. Thommen's Inc. 6,845; July 31.
Williams' Doublecap Shaving Stick. For Shaving-Soap Sticks. J. B. Williams Company. 6,846; July 31.
Your men folks prefer Fairy Soap. For Fairy Soap. N. K. Fairbank Company. 6,839; July 31.

CLASSIFIED LIST OF TRADE-MARK TITLES.

PUBLISHED FOR OPPOSITION.

[Act of Feb. 20, 1905, Sec. 6, as amended Mar. 2, 1907.]

CLASS 4.

Polish, Stove. Gabel Bros. 150,895; July 31.
Soap. Georg Schicht A. G. 171,139; July 31.
Soap. Georg Schicht A. G. 171,147; July 31.
Soap, Laundry. Concentrated Products Corporation. 180,527; July 31.

CLASS 5.

Glue. E. F. Russ Company. 181,700; July 31.
Paste, Patching. Campbell Manufacturing Co. 181,631; July 31.

CLASS 6.

Disinfectant. L. Whitt. 177,039; July 31.
Engines, Carbon remover for gasoline. W. H. Koetter. 180,126; July 31.
Extract anterior lobe pituitary gland. Parke, Davis & Company. 179,20; July 31.
Insecticide, Liquid. White Tar Company. 179,287; July 31.
Laxatives. S. Knidasz. 180,224; July 31.
Liquid for cleansing and beautifying the skin and improving the complexion. Jouvence Company. 179,045; July 31.
Medicated wax for treatment of pyorrhea. Drs. Brown and Brown. 177,269; July 31.
Medicine for general debility, nervous prostration, etc. T. Goldblum. 177,736; July 31.
Mouth wash, Liquid. M. West. 180,036; July 31.
Oils, Medicinal mineral. Standard Oil Company. 180,033; July 31.
Paste, Tooth. T. Miller. 177,861; July 31.
Perfumes and toilet waters. Colgate & Company. 179,776–9; July 31.
Pomade, Hair. Bayard Chemical Company. 179,393; July 31.
Powder, Toilet. A. G. Smith. 180,304; July 31.
Preparation for canker and sore throat. C. E. Anderson. 175,292; July 31.
Preparation for use in the treatment of hog cholera, etc. J. M. Bowman. 181,172; July 31.
Remedy for toothache and neuralgia, and remedy for corns. L. Schulze. 180,392; July 31.
Rouge and face powder. Marinello Company. 177,187; July 31.
Saline cathartic. R. J. Strasenburgh Company. 178,641; July 31.
Salts, Bath. City of Paris Dry Goods Company. 175,917; July 31.
Shampoo preparation, massage cream, preparation for treatment of the hair. O. A. Tillman. 160,643; July 31; Tanning materials. Fulcra-Tan Company. 180,118; July 31.
Toilet preparations. Barr Manufacturing Corporation. 179,392; July 31.
Tonic compound for treating worms, etc., in hogs and other live stock. A. J. White. 177,459; July 31.
Tonic to be applied to the scalp and as a hair dressing. Levite Manufacturing Company. 177,679; July 31.
Tooth paste. E. A. Warnick. 180,336; July 31.

CLASS 8.

Cigarette papers, Prepared. L. Guidici. 180,474; July 31.

CLASS 13.

Springs. Miller & Van Winkle, Inc. 165,501; July 31.

CLASS 14.

Alloy made from nickel ore for forging steel. L. B. Archer. 168,288; July 31.
Steel, iron, metal sheets. United Alloy Steel Corporation. 154,895; July 31.

CLASS 15.

Gasoline. Industrial Oil Co. 181,447; July 31.
Oils and greases, Lubricating. Pennsylvania Lubricating Company. 178,566; July 31.

PUBLISHED FOR OPPOSITION.

[Act of Feb. 20, 1905, Sec. 6, as amended Mar. 2, 1907.]

Oils and greases, Transmission. Union Oil Company of California. 181,547–8; July 31.

CLASS 16.

Paints, Ready-mixed. Certain-Teed Products Corporation. 181,174; July 31.

CLASS 17.

Cigars. All Saints Cigar Co. 180,165; July 31.

CLASS 21.

Batteries. Mogul Electric Company. 171,135; July 31.
Batteries, Storage. Wearite Storage Battery Co. 179,976; July 31.
Engines, Spark timers for internal-combustion. Upco Manufacturing and Sales Company. 179,017; July 31.
Radio receiving sets and parts thereto. Rajah Radio Guild. 180,142; July 31.
Radio sending and receiving sets. Bruno Radio Corporation. 171,442; July 31.
Switches, circuit breakers, etc., Electrical. Cutter Electrical and Manufacturing Company. 179,928; July 31.

CLASS 22.

Dolls. L. J. Eyles. 180,331; July 31.
Dolls. Madame Georgene, Inc. 180,003; July 31.
Dolls and animals cut-outs. G. Lund. 181,134; July 31.
Game, Card. Cummings & Johnson. 180,528; July 31.
Game, Indoor table. Parker Brothers. 180,721; July 31.
Game, Table board. Block-Walsh Corporation. 181,010; July 31.
Punching bag platform and apparatus. Whitely Exerciser Company. 179,121; July 31.
Toys. Tin Decorating Company of Baltimore. 179,068; July 31.

CLASS 23.

Hammers. Marshall-Wells Company. 178,528; July 31.
Nippers. Snell & Atherton, Inc. 180,901; July 31.
Rubber-covered rolls for paper mills, tanneries, bleacheries, etc. Stowe & Woodward Company. 178,198; July 31.
Scissors, shears, and pocketknives. Marshall Field & Company. 177,371; July 31.
Screw drivers. Snap-On Wrench Company. 180,776; July 31.
Tools. Canton Forge & Axle Company. 181,059; July 31.

CLASS 26.

Adding and calculating machines and parts thereof, etc. G. Mez. 162,938–9; July 31.
Gauges. C. M. Larson. 178,049; July 31.

CLASS 30.

Earthenware utensils. W. I. Tyeer. 180,088; July 31.

CLASS 32.

Bed springs. B. F. Lindsley. 175,801; July 31.

CLASS 33.

Glass, Sheet. L. J. Houze Convex Glass Company. 181,398; July 31.

CLASS 35.

Brake lining. Multibestos Company. 180,341; July 31.
Hose. Ingersoll-Rand Company. 180,933–4; July 31.
Hose. Voorhees Rubber Mfg. Co. 160,731; July 31.
Hose, Garden Baker, Hamilton and Pacific Company. 170,359; July 31.
Packing, Compressed asbestos-fiber sheet. C. C. Humberstone. 180,122; July 31.
Piston packing rings. J. F. Jones. 158,929; July 31.
Rings, Piston. Torsion Test Piston Ring Corporation. 179,894; July 31.
Rubbers, Fruit-jar. Hamilton Rubber Manufacturing Company. 180,862; July 31.
Tires, Elastic vehicle. Norwalk Tire & Rubber Company. 179,315; July 31.
Tires, Puncture patches for pneumatic. T. A. St. John. 181,092; July 31.
Tires, Rubber tubes for pneumatic. Packard Motor Car Company of New York. 177,510; July 31.

CLASS 38.

Bonds, certificates, booklets, stories. G. L. Miller & Company. 175,367; July 31.
Books, Printed. Hillbern Thrift Corporation. 176,626; July 31.
Coupons for the purchase of merchandise. E. B. McCann. 173,776; July 31.
Magazine section. Legion Publishing Corporation. 176,196; July 31.
Newspaper column. Heading for. Tribune Company. 166,413; July 31.
Newspaper, Column of news in its. Times Printing Company of Seattle. 175,416; July 31.
Newspapers, etc., Cartoon feature sold to various. C. W. Kahles. 175,871; July 31.
Periodical, Monthly. Aetna Life Insurance Company. 180,318; July 31.
Photo prints. National Process Company. 158,487; July 31.
Publication, Monthly. American Mutual Liability Insurance Company of Boston. 178,019; July 31.
Publication, Monthly. Pacific Radio Publishing Co. 161,747; July 31.
Publication title. Western Electric Company. 178,941; July 31.
Recipes and printed recipes, Compilation and card index of. Geo. D. Roper Corporation. 176,654; July 31.

CLASS 39.

Boots, shoes, and slippers. Thomas G. Plant Company. 167,422; July 31.
Brassières. Ida Munzer, Inc. 176,804; July 31.
Caps and hats for men and women. Crofut & Knapp Co. 176,329; July 31.
Corsets. Sears, Roebuck and Co. 175,525; July 31.
Corsets, corset waists, and brassières. Ferris Bros. Company. 175,779; July 31.
Garters, waist belts, and suspenders. Knothe Brothers Co. 177,915; July 31.
Hats and bonnets, Ladies'. Davidson Brothers Company. 178,895; July 31.
Hats and caps. H. Picard. 160,428–9; July 31.
Hats, Ladies'. H. L. Distillator & Son. 177,727; July 31.
Hosiery. Dalton Hosiery Mills. 177,832; July 31.
Neckties, scarfs, and sweaters. A. A. Kahil. 177,492; July 31.
Rubber heels. United States Rubber Company. 171,880; July 31.
Rubber heels. Wedge Heel & Rubber Co. 170,916; July 31.
Shirts, Men's. Tuxedo Shirt Co. 174,679; July 31.
Shirts, Men's and boys'. H. Berger. 177,763; July 31.
Shoes, Nurses'. Morgan Shoe Company. 176,801; July 31.
Vests for men. Reiffman-Corn Inc. 177,801; July 31.
Waists, Ladies'. American Lady Waist Co. 155,589; July 31.

CLASS 40.

Braids. Griffing Manufacturing Co. 177,776; July 31.
Dress shields, I. B. Kleinert Rubber Company. 179,105; July 31.

CLASS 42.

Cotton drilling in the piece. Minot, Hooper & Co. 180,714; July 31.
Cotton, silk, wool, etc., fabrics. Hecht & Mendes Incorporated. 178,560; July 31.
Knitted woolen piece goods. Garfield Worsted Mills. 178,604; July 31.
Nankins and ticklings in the piece. Freund, Freund & Company. 178,835; July 31.
Silk piece goods. Empire Silk Company. 179,663; July 31.
Woolen cloth. Frankenberg, Morgan & Singleton. 180,659; July 31.

CLASS 43.

Threads, Linen. Barbour Flax Spinning Co. 179,985; July 31.

CLASS 45.

Beverage sold as soft drink. F. L. Grassini. 178,178; July 31.
Beverages, Maltless chocolate cereal. Vita Food Company. 177,529; July 31.
Extract for soft drink purposes, Vegetable. L. S. Carney. 180,467; July 31.
Ginger ale and beverages sold as soft drinks. C. A. Hay. 180,428; July 31.
Syrups and extracts for beverage purposes. Murray Company. 180,983; July 31.

CLASS 46.

Almonds, Salted. California Almond Packers. 179,585; July 31.
Apricots, cherries, peaches, pineapples, etc. Austin, Nichols & Co. 171,523; July 31.
Bread. Nafziger Baking Company. 175,262; July 31.
Bread. Vitimin Milling Company. 175,282; July 31.
Butter. Anna Creamery Company. 174,685; July 31.
Candy. A. L. Miller. 179,479; July 31.
Candy. W. R. Montague Company. 167,580; July 31.
Candy. Universal Theatres Concession Co. 179,070; July 31.
Candy. Universal Theatres Concession Co. 179,072; July 31.
Candy and cakes. Busy Bee Candy Company. 171,829; July 31.
Canned salmon. Anchorage Packing Co. 179,918; July 31.
Canned salmon. A & P Products Corporation. 179,696–7; July 31.
Coffee. Dern Food Company. 179,857; July 31.
Coffee. J. Zinsmeister & Sons, Inc. 179,577; July 31.

PUBLISHED FOR OPPOSITION.

[Act of Feb. 20, 1905, Sec. 6, as amended Mar. 2, 1907.]

Cookies. Bishop & Company. 174,955–6; July 31.
Dairy products. Cowiche Creamery. 173,565; July 31.
Eggs. Spangenberg & Co. 168,494; July 31.
Feed, Cattle, etc. A. T. Peters. 161,200; July 31.
Feed, Stock and poultry. Case-Teel Company. 174,509; July 31.
Flour and stock feeds. Quaker Oats Company. 174,102; July 31.
Flour, Self-rising. Ford Flour Company. 172,327; July 31.
Flour, Wheat. Attica Mills. 156,133; July 31.
Flour, Wheat. Harrison & Co. 166,371; July 31.
Flour, Wheat. Harrison & Co. 166,672–3; July 31.
Flour, Wheat. Kehlor Flour Mills Company. 169,908; July 31.
Flour, Wheat. A. S. Leo. 143,823; July 31.
Flour, Wheat. Longmont Farmers Milling & Elevator Co. 169,722; July 31.
Flour, Wheat. Southwestern Milling Company. 174,597; July 31.
Flour, Wheat. Trenton Milling Co. 162,148; July 31.
Flour, Wheat. Vitimin Milling Company. 175,283; July 31.
Food, Article of. Harrington & Hord. 169,129; July 31.
Food for chickens. E. R. Schooley. 166,573; July 31.
Food product. Foley Food Product Company. 175,480; July 31.
Foods, Breakfast cereal. Home Food Service Company. 167,084; July 31.
Foods, wheat, etc., flour, Cereal breakfast. Wheaco Cereal Corporation. 167,111; July 31.
Fruit in jars, figs, dates, etc. Park & Tilford. 172,553; July 31.
Fruits and canned fruits and vegetables, Dried. O. A. Harlan & Co. 179,469; July 31.
Fruits, Fresh deciduous. Colfax Fruit Growers Assn. 179,459; July 31.
Fruits, fresh grapes, and vegetables, Fresh citrous. Ames & Ames. 179,510; July 31.
Fruits, nuts, etc., Citrous. R. C. Vilas. 175,227; July 31.
Hams and bacon, Smoked. Patrick-Young Company. 179,677; July 31.
Hams, bacons, sausage, etc. Indianapolis Abattoir Company. 176,629; July 31.
Ice cream. United States Foil Company. 164,204; July 31.
Lettuce and cantaloupes, Fresh. Sawdey & Hunt. 179,884; July 31.
Meat scraps for poultry food. Los Angeles Fertilizer Company. 159,269; July 31.
Milk and cream, butter, cheese, eggs, etc., Raw. W. Mellor. 166,082; July 31.
Milk, butter. C. J. Davol. 167,714; July 31.
Nutmeats, Salted. National Nut Products Co. 179,109; July 31.
Oats, coffee, salted peanuts, etc., Rolled. G. E. Bursley & Company. 175,183; July 31.
Peanuts, peanut butter, oil, and meal. Peanut Growers Association. 173,004; July 31.
Pork and beans, meat extracts, bouillon cubes, etc. Libby, McNeill & Libby. 159,711; July 31.
Tomato paste. Western Sausage & Provision Co. 179,442; July 31.

ALPHABETICAL LIST OF PATENTEES

TO WHOM

PATENTS WERE ISSUED ON THE 31ST DAY OF JULY, 1923.

NOTE.—Arranged in accordance with the first significant character or word of the name (in accordance with city and telephone directory practice). **Includes patents, reissues, and designs.**

Adair, Charles T., and C. G. Frederick, Kansas City, Mo. Surfacing machine. 1,463,303; July 31.
Adams, Frank H., Cleveland, Ohio, assignor, by mesne assignments, to Stromberg Motor Devices Company, Chicago, Ill. Air cleaning and heating attachment for internal-combustion engines. 1,463,416; July 31.
Advance-Rumely Company. (See Ballentine, William I., assignor.)
Advance-Rumely Company. (See Ross, James, assignor.)
Ainsworth, George, Great Neck, N. Y., assignor to Beverly Lights Corporation, Providence, R. I. Wall plate for lighting fixtures. Des. 62,767; July 31.
Ainsworth, George, Great Neck, N. Y., assignor to Beverly Lights Corporation, Providence, R. I. Body shell for lighting fixtures. Des. 62,768; July 31.
Aitken, Charles H. W. (See Stoner, F., and Aitken.)
Akins, Edwin J., Moundsville, W. Va. Underdrilling bit. 1,463,566; July 31.
Aktiebolaget Svenska Kullagerfabriken. (See Staake, Emil, assignor.)
Aktiebolaget Svenska Kullagerfabriken. (See Wingquist, Sven G., assignor.)
Aktieselskapet Turbo-Separator. (See Rasch, Ludvik, assignor.)
All-Steel-Equip Company. (See Carr, John E., assignor.)
Allan, John R., Boston, assignor to Hanlon Locomotive Sander Company, Winchester, Mass. Engineer's valve for pneumatic sanders. 1,463,188; July 31.
Alonzi, Loreto, Chicago, Ill. Tea table. 1,463,540; July 31.
Alston, Edward T. (See Turner, R. C., and Alston.)
Aluminum Manufactures, Incorporated. (See Brand, Harold H., assignor.)
American Arch Company. (See Denney, Guy C., assignor.)
American Arch Company. (See Willett, Alfred H., assignor.)
American Bosch Magneto Corporation. (See Mayer, Carl A., assignor.)
American Can Company. (See Thornburgh, Ivan D., assignor.)
American Candy Co. (See Kuhn, Louis, assignor.)
American Fabrics Company. (See Monk, Thomas, assignor.)
American Fabrics Company, The. (See Page, Samuel H., assignor.)
American Laundry Machinery Company, The. (See Waream, C. E., and Benjamin, assignors.)
American Telephone and Telegraph Company. (See Davidson, John, jr., assignor.)
Andrews, Charles, jr., Rockford, Ill., assignor, by mesne assignments, to The Washburn Company, Worcester, Mass. Handle for toasters and the like. 1,463,541; July 31.
Anderson, Augustus F., Bangor, Me. Egg beater. 1,463,493; July 31.
Anderson, E. D., Inc. (See Anderson, E. D., and Beckmann, assignors.)
Anderson, E. D., Inc. (See Beckmann, Carl, assignor.)
Anderson, Ernest D., and C. Beckmann, assignors to E. D. Anderson, Inc., New York, N. Y. Box-making machine. 1,463,454; July 31.
Angell, Arnold A., Chicago, Ill. Method and apparatus for finishing leather. 1,463,542; July 31.
Anthony, Riley E., Omaha, Nebr. Eccentric hook. 1,463,381; July 31.
Armorcord Rubber Company, The. (See McLane, Joseph A., assignor.)
Arnold, Albert A., Oak Park, Ill. Pasteboard-box-making machine. 1,463,567; July 31.
Arnold, Edwin H., Coventry, and W. T. Wakeford, assignors to The Nitrogen Corporation, Providence, R. I. Drying gases. 1,463,279; July 31.
Arnold, Edwin H., Coventry, and W. T. Wakeford, assignors to The Nitrogen Corporation, Providence, R. I. Ammonia synthesis autoclave. 1,463,280; July 31.
Atwood, Edwin W. (See Copeman, Lloyd G., assignor.)
Audiphone Company of America. (See Reynolds, Egbert A. and D. A., assignors.)
Automac Company, The. (See Mackey, Albert G., assignor.)
Automatic Electric Company. (See Martin, Talbot G., assignor.)
Babcock & Wilcox Company, The. (See Jacobus, Davis S., assignor.)
Baccellieri, Raffuele, Philadelphia, Pa. Fruit crusher. 1,463,238; July 31.
Bachler, Christian F., Philadelphia, Pa. Steam and water boiler. 1,463,455; July 31.
Bachofen, Theodor, West Hoboken, N. J. Pile-cutter knife. 1,463,239; July 31.
Badger Manufacturing Corporation. (See Hathaway, C. H., and Starck, assignors.)
Baeder, Gustav A., Chicago, Ill. Condiment holder. 1,463,543; July 31.
Baker, Carey W., assignor to Packard Electric Company, Limited, St. Catharines, Ontario, Canada. Temperature-indicating device. 1,463,189; July 31.
Baker, Charles E., assignor to The Universal Pattern & Model Company, Hartford, Conn. Child's vehicle. Des. 62,769; July 31.
Bales, Edward R., Centralia, Ill. Lubricating device. 1,463,661; July 31.
Ballentine, William I., Laporte, Ind., assignor to Advance-Rumely Company. Flexible motor support. 1,463,568; July 31.
Barre, Marius J. (See Ward, W. E., and Barre.)
Barstow, Edwin O., assignor to The Dow Chemical Company, Midland, Mich. Making benzoic acid and salts thereof. 1,463,190; July 31.
Barthelemy, dit Paul Caus, Antoine J. M., Paris, France. Fire escape. 1,463,149; July 31.
Bassick Company, The. (See Herold, Walter F., assignor.)
Bates, Adelmer M., Chicago, Ill. Recording scale. 1,463,770; July 31.
Bathrick, Charles E., assignor to South Bend Motors Company, South Bend, Ind. Unitary transmission and pump for motor-driven fire engines. 1,463,569; July 31.
Batten, Gideon C., Cincinnati, Ohio. Wheelbarrow-handle guard. 1,463,191; July 31.
Baumgart, August, Lind, Wash. Life-saving boat. 1,463,662; July 31.
Bear, Edward, New York, N. Y. Clothesline fastener. 1,463,456; July 31.
Beck, Adolf, K. Gersbach, Bitterfeld, and O. H. Weber, Griesheim-on-the-Main, assignors to the firm: Chemische Fabrik Griesheim-Elektron, Frankfort-on-the-Main, Germany. Casting oxidizable metals. 1,463,609; July 31.
Becker, William. (See Knudtson, Edward G., assignor.)
Beckmann, Carl, assignor to E. D. Anderson, Inc., New York, N. Y. Feed regulator. 1,463,457; July 31.
Beckmann, Carl. (See Anderson, E. D., and Beckmann.)
Beckwith, Carl F. (See Morrison, Vaughn E., assignor.)
Beckwith, Louis. (See Burroughs, Harry E., assignor.)
Beisel, William J., Port Richmond, N. Y. Spring wheel. 1,463,192; July 31.
Benjamin, Dana H. (See Waream, C. E., and Benjamin.)
Bethlehem Foundry & Machine Company. (See Lehman, John G., assignor.)
Beverly Lights Corporation. (See Ainsworth, George, assignor.)
Bidwell, George L., Riegelsville, Pa. Cylinder paper-making machine. 1,463,544; July 31.
Bigelow, Frank B., assignor to Murphy Iron Works, Detroit, Mich. Suspended arch construction for furnaces. 1,463,240; July 31.
Bigelow, Frank B., assignor to Murphy Iron Works, Detroit, Mich. Arch construction for furnaces. 1,463,241; July 31.
Biggs, Benjamin, Seattle, Wash. Ventilator attachment for ranges. 1,463,242; July 31.
Billings, Frank. (See Greenleaf, Robert P., assignor.)
Bingay, Robert V., Pittsburgh, Pa., assignor to Pittsburgh Transformer Company. Transformer-controlling means. 1,463,304; July 31.
Black, Samuel D., and A. G. Decker, Baltimore, Md., assignors, by mesne assignments, to The Maryland Trust Company, trustee. Pumping apparatus. 1,463,305; July 31.
Blankenberg, William J., assignor to The Perfect Projector Machine Company, Buffalo, N. Y. Motion-picture-projecting machine. 1,463,417; July 31.
Bley, Julius, Duval, Saskatchewan, Canada. Packer and hitch therefor. 1,463,243; July 31.
Bock, Everett M., Elkhart, Ill. Railway-crossing signal. 1,463,758; July 31.
Boehmer, Frank. (See Wieland, George E. M., assignor.)

Bogard, Frank T., assignor to R. H. Marchant, Oakland, Calif. Flexible attachment for trolley poles. 1,463,244; July 31.
Bolan, James, Boston, Mass. Two-part piston for internal-combustion engines. 1,463,245; July 31.
Bombardle, Charles H., Chicago, Ill., assignor to Wirebounds Patents Company, Kittery, Me. Machine for use in making boxes. 1,463,382; July 31.
Bore, Johan, and A. Skoglund, Gottenborg, assignors to C. A. A. Westerberg, Stockholm, Sweden. Steam cleansing device for locomotive boilers or the like. 1,463,494; July 31.
Borelli, Albert, San Francisco, Calif. Barrel for locks. 1,463,495; July 31.
Bosworth, Arthur H., Wichita, Kans. Container. 1,463,663; July 31.
Botella, Jacques, Paris, France. Collapsible automobile top. 1,463,193; July 31.
Bowden, J. D. (See Mountford, William J., assignor.)
Bowen, Frank, Monett, Mo. Figure toy. 1,463,194; July 31.
Bowen, George G. (See Duley, Charley A., assignor.)
Bowman, Lewis H., Fenn, Idaho. Flue top. 1,463,664; July 31.
Brady, James E., New York, N. Y. Partition. 1,463,246; July 31.
Bragdon, Herbert J., Alton, assignor to The Chicago Stopper Company, Chicago, Ill. Stopper for bottles and the like. 1,463,570; July 31.
Bragg, Caleb S. (See Killgrath, Victor W., assignor.)
Brame, George W., St. Louis, Mo. Folding swing. 1,463,571; July 31.
Brand, Harold H., assignor, by mesne assignments, to Aluminum Manufactures, Incorporated, Cleveland, Ohio. Metal mold. 1,463,247; July 31.
Breitling, Ernst, and E. Ostmeyer, Essen, assignors to Fried. Krupp Aktiengesellschaft, Essen-on-the-Ruhr, Germany. Cash register. 1,463,195; July 31.
Bridgers, John D., Florence, S. C. Reatomizer attachment for internal-combustion engines. 1,463,496; July 31.
Brighton Mills. (See Pearson, W. H., and Brighton, assignors.)
Brittain, John E., Guilford, Mo. Disk-sharpening machine. 1,463,665; July 31.
Broshar, Samuel H. (See Carr, V. B., and Broshar.)
Brown & Bigelow. (See Harris, Blaine H., assignor.)
Brown & Bigelow. See Krstofek, Frank J., assignor.)
Brown, Harry P., assignor of one-half to W. E. Powers, Boston, Mass. Gaiter. 1,463,357; July 31.
Brown Hoisting Machinery Company, The. (See Case, John P., assignor.)
Buck, Charles P., Topeka, Kans. Sheet-metal-bending machine. 1,463,382; July 31.
Buckeye Iron and Brass Works. (See Fulson, Charles H., assignor.)
Buckner, William A., Fresno, Calif. Sprinkler head. 1,463,666; July 31.
Buente, Charles F., Avalon, Pa. Service connection for concrete mains. 1,463,148; July 31.
Bugatti, Ettore, Molsheim, France. Apparatus for the insertion of screw studs. 1,463,497; July 31.
Burgess, Norman W., Lexington, Va. Armor for gasoline tanks of aeroplanes and for other purposes. 1,463,498; July 31.
Burleigh, Arthur C., Wollaston, and A. C. Gowing, Braintree, Mass. Means for emptying washing machines. 1,463,248; July 31.
Burroughs, Harry E., Boston, assignor to L. Beckwith, Everett, Mass. Hammock. 1,463,499; July 31.
Burroughs, Harry E., Boston, assignor to L. Beckwith, Everett, Mass. Hammock. 1,463,500; July 31.
Burrows, Ernest E., assignor to E. and T. Fairbanks and Company, St. Johnsbury, Vt. Scale beam. 1,463,249; July 31.
Burton, Leo R. H. (See Cook, V. E., and Burton.)
Bushnell, Charles L., Vacaville, Calif. Universal joint. 1,463,306; July 31.
Butler, Jay E., assignor to Victor Piston Ring Co., Baltimore, Md. Metallic piston and piston packing ring. 1,463,667; July 31.
Buttenfield, Charles C., Pittsburgh, Pa. Piston and cylinder fitting compound. 1,463,501; July 31.
Buttenfield, Charles C., Pittsburgh, Pa. Piston and cylinder fitting compound. 1,463,502; July 31.
Butterworth, Samuel D., Lansing, Mich. Striker plate. 1,463,384; July 31.
Butterworth, Samuel D., Lansing, Mich. Latch. 1,463,385; July 31.

Caffrey, Maurice J., New York, N. Y. Book holder. No. 1,463,668; July 31.
Cain, John J., Bayonne, N. J. Locomotive boiler. 1,463,250; July 31.
Callard, Robert P., Charleston, W. Va., assignor to The Libbey-Owens Sheet Glass Company, Toledo, Ohio. Changing bending rollers in sheet-glass-drawing machines. 1,463,251; July 31.
Cameron-Cowburn, Gertrude M., Gosport, Hants, England. Driving gear specially applicable to motor-propelled cycles. 1,463,610; July 31.
Cameron, John A. H., et al. (See Remillard, Joseph O., assignor.)
Camp, S. H., & Company. (See Camp, Samuel H., assignor.)
Camp, Samuel H., Jackson, Mich., assignor to said Samuel H. Camp and E. C. Reynolds. Corset and abdominal support. 1,463,252; July 31.
Campbell, George W., Fort Laramie, Wyo. Folding shoebrush. 1,463,669; July 31.
Campbell, Paul, San Antonio, Tex. Clothespin. 1,463,670; July 31.
Carlsen, John H., Chicago, Ill. Frame for framing prints and the like. 1,463,150; July 31.
Carlson, Wendell L., and E. C. Hanson, Washington, D. C. Radiotelegraph system. 1,463,386; July 31.
Carlson, Wendell L. (See Hanson, E. C., and Carlson.)
Carr, John E., assignor to All-Steel-Equip Company, Aurora, Ill. Inclosed switch. 1,463,151; July 31.
Carr, Vernon B., and S. H. Broshar, Lebanon, Ind. Automatic draft regulator. 1,463,671; July 31.
Carrington, Phyllis, New York, N. Y. Sandal. 1,463,672; July 31.
Carson, George C., E. Coll, San Francisco, and T. S. Christensen, Nashmead, Calif. Wall construction. 1,463,759; July 31.
Carson, Whitfield R. (See Drefahl, L. C., and Carson.)
Carter, George E., Circleville, Ohio. Bolt. 1,463,572; July 31.
Case, Francis M. (See Frank, W. D., and Case.)
Case, John P., Chicago, Ill., assignor to The Brown Hoisting Machinery Company, Cleveland, Ohio. Storage bin. 1,463,307; July 31.
Cateula, Jaime, Buenos Aires, Argentina. Cupping glass. 1,463,458; July 31.
Central Station Steam Company. (See Redfield, John V., assignor.)
Cermak, Jerome F., Brooklyn, N. Y. Time switch. 1,463,253; July 31.
Champlin, Tint, Little Valley, N. Y. Knife. 1,463,573; July 31.
Chapman, Earle E., Los Angeles, Calif., assignor to Miller-Chapman Company. Shackle for automobile wheels and spokes. 1,463,387; July 31.
Chapman, Howard D., Baltimore, Md. Ratchet screw driver. 1,463,418; July 31.
Chappell, Isaac A., et al. (See Lane, George A., assignor.)
Chase, Elle R. (See Peck, W. J., and Chase.)
Chemische Fabrik Griesheim-Elektron. (See Beck, A., Gersbach, and Weber, assignors.)
Cheshire, Edward, Berlin Township, Waukesha County, Wis. Cutting mechanism. 1,463,545; July 31.
Chicago Railway Signal and Supply Company. (See McCarthy, Daniel J., assignor.)
Chicago Stopper Company, The. (See Bragdon, Herbert J., assignor.)
Children's Bed Cover Fastener Company. (See Petzold, Julius A., assignor.)
Chilowsky, Constantin, Paris, France. Apparatus for performing cycles of compression, expansion, combustion, suction, exhaust, and the like. 1,463,646; July 31.
Christensen, Thomas S. (See Carson, G. C., Coll, and Christensen.)
Chubb, Lewis W., Pittsburgh, Pa., assignor to Westinghouse Electric & Manufacturing Company. Electrolytic condenser. 1,463,152; July 31.
Claassen, Alvin A., Chicago, Ill. Means to compress ingots. 1,463,771; July 31.
Clapp, Albert L., Marblehead, assignor to The Flintkote Company, Boston, Mass. Absorbent sheet material. 1,463,611; July 31.
Clark, James C. H. (See Olson, E. H., Clark, Mealey, and Pelter.)
Clark, Simon R., et al. (See Ulrich, Carl J., assignor.)
Clase, Charles A., Portland, Oreg. Micrometer gauge. 1,463,673; July 31.
Clay, Noble S., Wilkinsburg, Pa., assignor to Westinghouse Electric & Manufacturing Company. Fan structure. 1,463,153; July 31.
Clemons, Frederick E., Indianapolis, Ind. Vehicle suspension. 1,463,574; July 31.
Clerc, Camille. (See Niboul, A., and Clerc.)
Cleveland Electric Machine & Mfg. Co. (See Kidney, Willis E., assignor.)
Cochran, Fred J., Mount Vernon, Ill. Roller and ball bearing axle structure. 1,463,196; July 31.
Cochran, William H., Spartanburg, S. C. Flowerpot. Des. 62,770; July 31.
Coester, George, assignor to Georgia Vita Ligno Co., Brunswick, Ga. Composition for impregnating wood and preparing it. 1,463,674; July 31.
Cole, Clifford M., Los Angeles, Calif. Light reflector. 1,463,546; July 31.
Coleman, Hamilton D., near Biloxi, Miss. Crutch seat. 1,463,675; July 31.
Coll, Edward. (See Carson, G. C., Coll, and Christensen.)
Collins, Earl F., Charleston, W. Va. Identification sign for optometrists. Des. 62,771; July 31.
Collins, William B., Ben Avon Borough, Pa. Dispensing packet for waxed paper. 1,463,503; July 31.
Combs, Wilbur M., assignor to A. H. Sherman, Lyons, N. Y. Grain-car door. 1,463,772; July 31.
Combustion Engineering Corporation. (See Kreisinger, Henry, assignor.)
Comstock, Dorothy D., Dedham, Mass. Portable crib. 1,463,459; July 31.
Conard, Frederick U., Brooklyn, assignor to Underwood Computing Machine Company, New York, N. Y. Combined typewriting and computing machine. 1,463,254; July 31.

Conger, Charles A., Oakland, assignor to National Auto Devices Company, San Francisco, Calif. Vehicle lock. 1,463,760; July 31.
Conklin, Oliver F., Detroit, Mich., assignor to Remy Electric Company, Anderson, Ind. Ignition apparatus. 1,463,197; July 31.
Cook, Vernon E., Utica, and L. R. H. Burton, Rome, N. Y. Mass-card holder. Des. 62,772; July 31.
Cooley, Louis D. (See Davis, J. L., and Cooley.)
Cooper, Simon, Brooklyn, N. Y., assignor to Menasha Wooden Ware Co., Menasha, Wis. Sealing machine. 1,463,460; July 31.
Cooper, Simon, Brooklyn, assignor to Vacuum Pulp Products Corporation, New York, N. Y. Mold and process for forming articles from pulp or other plastic material. 1,463,575; July 31.
Copeman, Lloyd G., assignor to E. W. Atwood, Flint, Mich. Refrigerating apparatus. 1,463,419; July 31.
Cordes, August W., New York, N. Y. Bracket for supporting objects, and especially for securing number plates. 1,463,358; July 31.
Cornwall, May B. (See Greenstreet, M. L., and Day, assignors.)
Coss, Thomas F., Mendota, Ill. Door-opening appliance. 1,463,647; July 31.
Cotton, Alfred, assignor to Heine Boiler Company, St. Louis, Mo. Steam superheater. 1,463,547; July 31.
Cowell, Robert J. (See Jardee, M. F., and Cowell.)
Cox, William G., Cleveland, Ohio. Spring fender or bumper. 1,463,308; July 31.
Craig, Robert M., Wilkinsburg, Pa. Metallic denture backing. 1,463,548; July 31.
Crown Cork and Seal Company of Baltimore City, The. (See Derby, William V., assignor.)
Cullen, Catherine F., New York, N. Y. Game. 1,463,388; July 31.
Cummins, Earl H., Chicago, assignor to Dadant & Sons, Hamilton, Ill. Extraction apparatus. 1,463,154; July 31.
Curme, George O., jr., and H. B. Heyn, Pittsburgh, Pa., assignors, by mesne assignments, to Union Carbide Company, New York, N. Y. Preparation of benzoates and benzoic acid from dibenzyl. 1,463,255; July 31.
Curry, Jasper C., Pineville, La. Garbage and sewage incinerating apparatus. 1,463,761; July 31.
Custer, George E., assignor to Custer Manufacturing Company, Stoyestown, Pa. Pedal lock. 1,463,676; July 31.
Custer Manufacturing Company. (See Custer, George E., assignor.)

Dadant & Sons. (See Cummins, Earl H., assignor.)
Daimler-Motoren-Gesellschaft. (See Daimler, Paul, assignor.)
Daimler, Paul, Cannstatt, assignor to the Firm Daimler-Motoren-Gesellschaft, Unterturkheim, Germany. Compressor arrangement for the motors of automobile vehicles. 1,463,256; July 31.
Daly, Charles M., East Elmhurst, N. Y. Cooker attachment for automobile radiators. 1,463,576; July 31.
Dance, Victoria E., Hamilton, Ohio. Bottle stopper. 1,463,198; July 31.
Davidson, John, jr., Montclair, N. J., assignor to American Telephone and Telegraph Company. Ringing arrangement for multiplex circuits. 1,463,199; July 31.
Davidson, John, jr., Montclair, N. J., assignor to American Telephone and Telegraph Company. Ringing arrangement for multiplex circuits. 1,463,200; July 31.
Davis, Albert L., Kingsway, assignor to Vickers Limited, Westminster, London, England. Aircraft lamp. 1,463,677; July 31.
Davis, Albert L., Kingsway, assignor to Vickers Limited, Westminster, London, England. Aircraft lamp. 1,463,678; July 31.
Davis, Calvin R., assignor to Emerson-Brantingham Company, Rockford, Ill. Power lift for grain drills. 1,463,612; July 31.
Davis, Calvin R., assignor to Emerson-Brantingham Company, Rockford, Ill. Power lift for grain drills. 1,463,613; July 31.
Davis, Elmer M., Chicago, assignor to Swift & Company, Cook County, Ill. Deodorizing and improving the quality of cream and butter fat. 1,463,309; July 31.
Davis, Frank K., and C. C. Taylor, Washington, D. C., assignors to Underwood Computing Machine Company, New York, N. Y. Combined typewriting and computing machine. 1,463,155; July 31.
Davis, John B., Springfield, assignor to Gilbert & Barker Manufacturing Company, West Springfield, Mass. Dispensing pump. 1,463,310; July 31.
Davis, John L., and L. D. Cooley, Greenville, S. C. Loom attachment. 1,463,614; July 31.
Davis, William J., Chicago, Ill. Sanitary piping and fitting therefor. 1,463,461; July 31.
Day, Herbert W. (See Parker, L. H., and Day.)
Day, Wallace. (See Greenstreet, M. L., and Day.)
Dayton Steel Foundry Company. (See Walther, G., and Walkley, assignors.)
Debrie, André L. V. C., Paris, France. Positive-films-printing machine. 1,463,737; July 31.
De Camp, Ellis O., assignor to The Williamson Heater Company, Cincinnati, Ohio. Clothes drier. 1,463,615; July 31.
Decker, Alonzo G. (See Black, S. D., and Decker.)
Deere & Company. (See Paul, William L., assignor.)
Deere & Company. (See Silver, Walter H., assignor.)
Deere and Company. (See Strandlund, Carl G., assignor.)
Deere & Company. (See White, Charles H., assignor.)
De Leon, Emilio, Remedios, Cuba. Automatic train stop. 1,463,679; July 31.
Denney, Guy C., Hinsdale, Ill., assignor to American Arch Company. Arch brick. 1,463,156; July 31.
De Normanville, Samuel A. (See Kent, L. H., and de Normanville.)
Des Moines Incubator Company. (See Newport, Calvin C., assignor.)
Derby, William V., assignor to The Crown Cork and Seal Company of Baltimore City, Baltimore, Md. Capping apparatus. 1,463,257; July 31.
Dettelbach, Edward, Cleveland, Ohio. Wheel rim. 1,463,549; July 31.
Deuring, Fritz, Munich-Gladbach, Germany. Driving mechanism for transverse supports or slides in revolver lathes, semiautomatic lathes, and the like. 1,463,201; July 31.
Dickingson, Walter M., Middlesex, N. C. Level. 1,463,738; July 31.
Dietz, Benjamin H., and A. E. Hansen, Chicago, Ill. Phonograph. 1,463,311; July 31.
Dillinger, Thomas M., Portland, Oreg. Leather cutter. 1,463,312; July 31.
Dobin, Sam. (See Mitchell, Alexander, assignor.)
Dodge, Harry C. (See Lowman, Ray L., assignor.)
Dokter, Jozsef, St. Clairsville, Ohio. Rail scarf joint. 1,463,680; July 31.
Domizi, David F., Cleveland, Ohio. Japanning apparatus. 1,463,313; July 31.
Doran, William F., Philadelphia, Pa. Headlight. 1,463,524; July 31.
Doran, William F., Philadelphia, Pa. Headlight. 1,463,525; July 31.
Douglas, William J., Numa, Iowa. Extension filler pipe. 1,463,202; July 31.
Dow Chemical Company, The. (See Barstow, Edwin O., assignor.)
Drake, John J., assignor to The Singer Manufacturing Company, Elizabeth, N. J. Guide for sewing machines. 1,463,258; July 31.
Draper Corporation. (See Edmands, Frank, assignor.)
Draper, Clare H., Hopedale, assignor to Hopedale Manufacturing Company, Milford, Mass. Filling-end controller for looms. 1,463,203; July 31.
Draper, Harold W., East Orange, assignor to The Whitehead & Hoag Company, Newark, N. J. Badge and analogous device. 1,463,739; July 31.
Dredge, William, Manchester, England. Baker's oven. 1,463,616; July 31.
Drefahl, Louis C., Lakewood, and W. R. Carson, South Euclid, assignors to The Grasselli Chemical Company, Cleveland, Ohio. Water jacket. 1,463,204; July 31.
Dudley, Edward F. (See Stevens, E. D., and Dudley.)
Duehr, Bernard J., Big Island, Va. Anti-skid chain. 1,463,681; July 31.
Duffield, Frederick L. (See Longbottom, C. A., and Duffield.)
Duffy, Michael J., Brooklyn, N. Y. Resilient wheel. 1,463,682; July 31.
Duley, Charley A., assignor of one-half to G. G. Bowen, Breckenridge, Tex. Combination swivel wrench plate and hanger. 1,463,648; July 31.
Dunajeff, Leonid A., New York, N. Y. Liquid-feeding device. 1,463,683; July 31.
Dunham, Charles L. (See Giebell, Charles L., assignor.)
Dunhill, Alfred, London, England. Tobacco pipe. 1,463,684; July 31.
Du Pont, E. I., de Nemours & Company. (See Abraham, C. D., and Schwartz, assignors.)
Du Pont, E. I., de Nemours, & Company. (See Gibbs, Harry D., assignor.)
Dyer, Frank L., Montclair, N. J. Measuring device for collapsible tubes. 1,463,578; July 31.

Eanes, Hugh P., assignor, by mesne assignments, to W. W. Miller, Martinsville, Va. Doffing and donning mechanism. 1,463,462; July 31.
Edison Electric Appliance Co. (See Rankin, William A., assignor.)
Edmands, Frank, assignor to Draper Corporation, Hopedale, Mass. Bobbin. 1,463,205; July 31.
Edmunds & Jones Corporation. (See Godley, Charles E., assignor.)
Edwards, George W., Berlin, N. H. Stoker grate. 1,463,157; July 31.
Efficiency File Co. (See Turner, Roy J., assignor.)
Ehrhart, Raymond N., assignor to Elliott Company, Pittsburgh, Pa. System for removing air and gases from water. 1,463,158; July 31.
Elserman, Frederick, W., and H., Cleveland, Ohio. Timing mechanism for boiler skimmers. 1,463,577; July 31.
Elserman, Herman. (See Elserman, Frederick, W., and H.)
Elserman, William. (See Elserman, Frederick, W., and H.)
Elssolt, Ferdinand E. G., assignor to E. Richter, Chemnitz, Germany. Electric liquid heater. 1,463,617; July 31.
Electric Sealing Machine Corporation. (See Reusch, Walter, assignor.)
Electrical Engineers Equipment Company. (See Jacobs, Ernest H., assignor.)
Elliott Company. (See Ehrhart, Raymond N., assignor.)
Elliott, Frank B., Belle Plaine, Kans. Rail joint. 1,463,618; July 31.

Emerson-Brantingham Company. (See Davis, Calvin R., assignor.)

Erskine, James E., Jacksonville, Fla. Floor plate. 1,463,359; July 31.

Evans, Edwin R., Detroit, Mich. Brake. 1,463,159; July 31.

Evans, Lewis L., Bridgeport, Conn., and G. M. Hart, Wilkes-Barre, Pa. Switch mechanism. 1,463,463; July 31.

Everett, Ira, Sayre, Pa. Car-end construction. 1,463,773; July 31.

Fageol, William R., Oakland, Calif. Power-transmission-gear mechanism. 1,463,389; July 31.

Fairbanks, E. and T., and Company. (See Burrows, Ernest E., assignor.)

Fairbanks, Eugene A., Holland, Mich. Firearm. 1,463,160; July 31.

Faries Manufacturing Company. (See Grady, William J., assignor.)

Fernandes, Antonio, Kansas City, Mo. Breath mask. 1,463,390; July 31.

Ferodo Limited. (See Frood, Herbert, assignor.)

Field, Sjonne, Chicago, Ill. Stepladder. 1,463,649; July 31.

Fisher Body Corporation. (See Simpson, Emory G., assignor.)

Fisher, Charles H., Carrollton, Ohio. Headlight. 1,463,685; July 31.

Flagg, Andrew B., Attleboro, Mass. Vanity case. 1,463,259; July 31.

Flintkote Company, The. (See Clapp, Albert L., assignor.)

Foote, Leonard, Pedro Miguel, Canal Zone, Panama. Sealing ring. 1,463,360; July 31.

Ford, Silas M., St. Paul, Minn. Machine for making shingles and cleaning and lubricating dies. 1,463,314; July 31.

Foster, Theodore W., & Bro. Co. (See Wilson, Ralph W., assignor.)

Fouché, Alfred L., Atlanta, Ga. Demountable rim. 1,463,260; July 31.

Frakes, Merton L. (See Young, J., and Frakes.)

Frank, Walter D., and F. M. Case, Cleveland, Ohio, assignors to General Electric Company. Printing machine. 1,463,504; July 31.

Frederick, Carl G. (See Adair, C. T., and Frederick.)

Fretter, Nathan F., Cleveland, Ohio. Lathe. 1,463,505; July 31.

Frey, John H., and J. N. Kaiser, Erie, Pa. Boring head. 1,463,686; July 31.

Fried. Krupp Aktiengesellschaft. (See Breitling, E., and Ostmeyer, assignors.)

Friedley Voshardt Co. (See Mohrmann, Paul, assignor.)

Frood, Herbert, assignor to Ferodo Limited, Chapel-en-le-Frith, England. Composition for coating and bonding fabrics. 1,463,780; July 31.

Frood, Herbert, assignor to Ferodo Limited, Chapel-en-le-Frith, England. Material for frictional and wearing purposes. 1,463,506; July 31.

Fulson, Charles H., Trenton, Tenn., assignor to Buckeye Iron and Brass Works, Dayton, Ohio. Mechanical cooker. 1,463,526; July 31.

Funck, Louis, Bronxville, N. Y. Easy-lacing device. 1,463,579; July 31.

Funk, John H., Louisville, Ky., assignor to Universal Car and Hose Coupler Company, St. Louis, Mo. Compression coupling. 1,463,261; July 31.

Furman, Thomas H., Brooklyn, N. Y. Safety device for airplanes. 1,463,464; July 31.

Futral, Richard, assignor to St. Louis Stove Company, St. Louis, Mo. Stove. 1,463,315; July 31.

G. C. A. Manufacturing Company. (See Grinnell, Harold D., assignor.)

Gaddy, Vernie L. (See Krase, N. W., and Gaddy.)

Gale, Francis G., Waterville, Quebec, Canada. Mattress frame. 1,463,161; July 31.

Gallagher, John J. (See Martin, Frederick T., assignor.)

Gardiner, Lou M., deceased, by M. D. Gardiner, administratrix, Oakland, Calif. Vehicle driving mechanism. 1,463,687; July 31.

Gardiner, May D., administratrix. (See Gardiner, Lou M.)

Gardner, Prince A., St. Louis, Mo. Cardcase. 1,463,619; July 31.

Garr, Joseph M. (See Godman, J. E., and Garr.)

Gates, Ernest R. (See Selby-Fayers, W., and Gates.)

Gee, Frederick S. (See Gee, James E. and F. S.)

Gee, James E. and F. S., London, England. Display device. 1,463,740; July 31.

General American Tank Car Corporation. (See Parks, Ostrander J., assignor.)

General Electric Company. (See Frank, W. D., and Case, assignors.)

General Electric Company. (See Schwennker, Charles F., assignor.)

General Machine Works, The. (See Swartz, William H., assignor.)

General Motors Research Corporation. (See Lee, Charles L., assignor.)

General Specialty Company. (See Krause, Albert F., assignor.)

Genett, Louis J., assignor of one-half to J. M. Longyear, jr., Marquette, Mich. Demountable-rim stand. 1,463,465; July 31.

Georgi, Paul and R., Leipzig-Gohlis, Germany. Signal sound instrument. 1,463,361; July 31.

Georgi, Robert. (See Georgi, Paul and R.)

Georgia Vita Ligno Co. (See Coester, George, assignor.)

Gersbach, Karl. (See Beck, A., Gersbach, and Weber.)

Gibbs, Harry D., Pennsgrove, N. J., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Catalyst and making same. 1,463,206; July 31.

Glebell, Charles L., assignor of one-half to C. L. Dunham, Pennsboro, W. Va. Underreamer. 1,463,316; July 31.

Gilbert & Barker Manufacturing Company. (See Davis, John B., assignor.)

Gilfillan, Robert H., assignor to Storb, Snader & Company, New Holland, Pa. Let-off mechanism for looms. 1,463,207; July 31.

Gnau, Edgar C., East Aurora, N. Y. Connection protector. 1,463,208; July 31.

Godley, Charles E., assignor to Edmunds & Jones Corporation, Detroit, Mich. Sidelamp. 1,463,162; July 31.

Godman, John E., and J. M. Garr, La Fayette, Ind.; said Garr assignor to said Godman. Electric heating attachment for carburetors. 1,463,774; July 31.

Golco Sanitary System, Inc. (See Goldsmith, Harry N., assignor.)

Goldsmith, Harry N., assignor to Golco Sanitary System, Inc., Philadelphia, Pa. Combined tile structure and toilet-paper holder. 1,463,775; July 31.

Goodrich, B. F., Company, The. (See Schade, James W., assignor.)

Gordon, Hiram, assignor to Shelby Shoe Company, Portsmouth, Ohio. Presser pad. 1,463,688; July 31.

Gorman, Alphonsus, et al. (See Remillard, Joseph O., assignor.)

Gould, Augustus W., deceased, Mount Angel, Oreg.; H. Phelan, executrix. Filler and accelerator for rubber compounds. 1,463,781; July 31.

Gowing, Albert C. (See Burleigh, A. C., and Gowing.)

Grady, William J., assignor to Faries Manufacturing Company, Decatur, Ill. Arm for lighting fixtures. Des. 62,773; July 31.

Grasselli Chemical Company, The. (See Drefahl, L. C., and Carson, assignors.)

Grasselli Chemical Company, The. (See Haggenmacher, John E., assignor.)

Grasselli Chemical Company, The. (See Howard, Henry, assignor.)

Gray, Charles F., Sierra Madre, Calif., assignor to The Singer Manufacturing Company. Strap-forming device for sewing machines. 1,463,262; July 31.

Gray, Robert D., New York, N. Y. Photo-enlarging machine. 1,463,689; July 31.

Grayson, John H., Athens, Ohio. Burner tip. 1,463,263; July 31.

Grayson, John R., Kakabeka Falls, Ontario, Canada. Automatic wheeled scraper. 1,463,690; July 31.

Greenleaf, Robert P., Cleveland, Ohio, assignor to F. Billings. Loading machine. 1,463,550; July 31.

Greenstreet, Milfred L., and W. Day, Maplewood, assignors of one-third to M. B. Cornwall, St. Louis, Mo. Animal trap. 1,463,163; July 31.

Grinnell, Harold D., assignor to The G. C. A. Manufacturing Company, Pittsfield, Mass. Lamp-bulb installing and removing device. 1,463,466; July 31.

Gross, Kine, Wellman, Iowa. Refrigerator. 1,463,264; July 31.

Gruetter, John R. (See Loew, C. H., and Gruetter.)

Grunt, Joseph, Cleveland, Ohio. Sand-handling apparatus. 1,463,691; July 31.

Guenther, Henry L., Los Angeles, Calif. Can feeding and timing device. 1,463,527; July 31.

Haggenmacher, John E., assignor to The Grasselli Chemical Company, Cleveland, Ohio. Manufacture of acetic acid. 1,463,209; July 31.

Hahnemann, Walter, Kitzeberg, near Kiel, assignor to the Firm Signal Gesellschaft m. b. H., Kiel, Werk Ravensberg, Germany. Device for increasing the sound energy with submarine sound transmitters. 1,463,507; July 31.

Hall, Gustav, Portland, Oreg. Invisible pipe joint. 1,463,692; July 31.

Hale, Kenneth C., Detroit, Mich. Trolley-wire-holding rail. 1,463,420; July 31.

Hall, Samuel L., Cushing, Okla. Brake iron. 1,463,693; July 31.

Halvorsen, Birger F., Christiania, Norway. Recovering soluble compounds of potassium and aluminum from silicates. 1,463,508; July 31.

Halversen, Hans N., Vineland, N. J., assignor to Kimble Glass Company, Chicago, Ill. Graduating appliance. 1,463,317; July 31.

Hamel, Georges, Les Aydes, France. Aeroplane. 1,463,694; July 31.

Hanlon Locomotive Sander Company. (See Allan, John R., assignor.)

Hanman, John, London, England, and G. Hazelton, Portadown, Ireland. Detachable wheel and the like. 1,463,695; July 31.

Hanscom, Ralph B., Morristown, S. Dak. Lubricating device for automobiles, etc. 1,463,421; July 31.

Hansen, Albert E. (See Dietz, B. H., and Hansen.)

Hanson, Earl C., and W. L. Carlson, Washington, D. C. Radiotelegraph system. 1,463,391; July 31.

Hanson, Earl C., and W. L. Carlson, Washington, D. C. Therapeutic electrode. 1,463,392; July 31.

Hanson, Earl C. (See Carlson, W. L., and Hanson.)

Hanson, Henry J., Thor, Iowa. Wire reel. 1,463,696; July 31.

Hardey, Virgil S., Chicago, Ill. Switch. 1,463,551; July 31.

Hardoncourt, Arthur, New York, N. Y. Channel brick. 1,463,697; July 31.

Harmon, Willis E., Worcester, Mass. Shock absorber. 1,463,552; July 31.

Harris, Blaine H., assignor to Brown & Bigelow, St. Paul, Minn. Calendar-pad retainer. 1,463,210; July 31.

Hart, Gerald M. (See Evans, L. L., and Hart.)

Hart, William C., Montague Bay, Tasmania, Australia. Applying labels to canned goods. 1,463,265; July 31.

Harter, Clarence J., Syracuse, N. Y. Apparatus for testing the contours of gear teeth. 1,463,580; July 31.

Hartford Special Machinery Company, The. (See Schleidge, George K., assignor.)

Hathaway, Charles H., West Allis, and W. A. Starck, assignors to Badger Manufacturing Corporation, Milwaukee, Wis. Automobile bumper. 1,463,581; July 31.

Haviland, Theodore & Co. (See Haviland, William D., assignor.)

Haviland, William D., Limoges, France, assignor to Theodore Haviland & Co., New York, N. Y. Plate or similar article. Des. 62,774; July 31.

Haviland, William D., Limoges, France, assignor to Theodore Haviland & Co., New York, N. Y. Plate or similar article. Des. 62,775; July 31.

Haviland, William D., Limoges, France, assignor to Theodore Haviland & Co., New York, N. Y. Dish, bowl, or similar article. Des. 62,776; July 31.

Hayes, John C., et al. (See Lane, George A., assignor.)

Hayward, Ned E., Holyoke, Mass. Freight-car signal. 1,463,467; July 31.

Hazelton, George. (See Hanman, J., and Hazelton.)

Heagerty, Patrick G., Sandusky, Ohio. Waving signal. 1,463,650; July 31.

Heartick, Edward G., Louisville, Ky. Register wall guard. 1,463,318; July 31.

Heddon's, James, Sons. (See Welch, John T., assignor.)

Heesch, Otto K. (See Madsen, Mathias O. S., assignor.)

Heffler, Philip, Pittsburgh, assignor of one-half to H. C. Simmons, Crafton, Pa. Oil still. 1,463,698; July 31.

Heilman, Henry N., St. Louis, Mo. Coupon-cutting machine. 1,463,393; July 31.

Heine Boiler Company. (See Cotton, Alfred, assignor.)

Heintz, Ernest E., assignor to Ternstedt Manufacturing Company, Detroit, Mich. Window regulator. 1,463,422; July 31.

Heisner, Paul A. (See Heisner, Wesley P., and P. A.)

Heisner, Wesley P. and P. A., Rockville, Nebr. Adjustable strainer support. 1,463,394; July 31.

Hem, Halvor O., assignor to Toledo Scale Company, Toledo, Ohio. Pivot mounting. 1,463,423; July 31.

Henderson, Albert E., Toronto, Ontario, Canada. Device for and method of the manufacture of protected inner tubes for tires. 1,463,528; July 31.

Henderson, Albert E., Toronto, Ontario, Canada. Device for the manufacture of pneumatic tubes. 1,463,529; July 31.

Henderson, Carl. (See Stevens, B. D., Henderson, and Saxon.)

Hendricks, Joseph. (See Saunders, Samuel R., assignor.)

Henry, William D., Greenville, Ill. Towing tongue. 1,463,699; July 31.

Herold, Walter F., Newark, N. J., assignor to The Bassick Company, Bridgeport, Conn. Caster. 1,463,266; July 31.

Heyman, August, New York, N. Y. Window-operating device. 1,463,700; July 31.

Heyn, Herman B. (See Curme, G. O., jr., and Heyn.)

Hillmer, Max L., and L. O. Parker, assignors to Remy Electric Company, Anderson, Ind. Engine-starter gearing. 1,463,211; July 31.

Hineline, Edson S., Apponaug, assignor to Hineline Engineering Company, Providence, R. I. Stop motion for knitting machines. 1,463,741; July 31.

Hineline Engineering Company. (See Hineline, Edson S., assignor.)

Hirshfield, Morris, Brooklyn, N. Y. Slipper. Des. 62,777; July 31.

Hirshfield, Morris, Brooklyn, N. Y. Slipper. Des. 62,778; July 31.

Hirshfield, Morris, Brooklyn, N. Y. Slipper. Des. 62,779; July 31.

Hirshfield, Morris, Brooklyn, N. Y. Slipper. Des. 62,780; July 31.

Hitchcock Experiment Company. (See Hitchcock, Halbert K., assignor.)

Hitchcock, Halbert K., Pittsburgh, Pa., assignor of one-half to Hitchcock Experiment Company. Drawing glass sheets. 1,463,582; July 31.

Hohman, Charles J. sr., Elmhurst, Ill. Guide rail. 1,463,319; July 31.

Holleran, Charles P., Chicago, Ill. Combined blast and suction sweeper. 1,463,583; July 31.

Holmes, Oscar J. (See Larsen, L. B., and Holmes.)

Holt, Josephine L., Portland, Oreg. Bust confiner and reducer. 1,463,424; July 31.

Holton, Abner T., High Point, N. C. Kitchen table. 1,463,701; July 31.

Hooper, Charles L., R. F. Sutherland, and A. W. Parkhouse, Rochester, assignors to Vacuum Oil Company, New York, N. Y. Coating machine. 1,463,362; July 31.

Hopedale Manufacturing Company. (See Draper, Clare H., assignor.)

Hopedale Manufacturing Company. (See Ledoux, Victor, assignor.)

Hopedale Manufacturing Company. (See Northrop, James, assignor.)

Hopedale Manufacturing Company. (See Northrop, Jonas, assignor.)

Hosner, Ralph B., San Francisco, Calif. Folding and tent bed. 1,463,267; July 31.

Howard, Henry, assignor to The Grasselli Chemical Company, Cleveland, Ohio. Manufacture of concentrated acetic acid. 1,463,212; July 31.

Hueseman, William M., Dillsboro, Ind. Suspenders. 1,463,213; July 31.

Huff, Wilson S., Oklahoma, Okla. Fireproof tank. 1,463,268; July 31.

Huling, Louis G. (See Wetter, William M., assignor.)

Hulse, William H., Brooklyn, assignor to Underwood Typewriter Company, New York, N. Y. Typewriting machine. 1,463,778; July 31.

Hunt, George R. (See Vandivier, J. R., and Hunt.)

Hunter, Jay G., Sabula, Iowa. Condenser. 1,463,468; July 31.

Hutchison, Arthur A., Harrisburg, Pa. Spark intensifier. 1,463,530; July 31.

Ide, Harry H., La Grange, assignor to Kellogg Switchboard and Supply Company, Chicago, Ill. Telephone system. 1,463,164; July 31.

Independent Stove Co., The. (See Robinson, William V., assignor.)

Ingersoll, Frederick T., Omaha, Nebr. Foot-operated musical instrument. 1,463,509; July 31.

International Motor Company. (See Masury, A. F., and Leipert, assignors.)

International Precipitation Company. (See Weiskopf, Charles H., assignor.)

Interstate Iron and Steel Company. (See Smith, George M., assignor.)

Interstate Railway Supply Company, The. (See Stephens, Henry, assignor.)

Ivers-Lee Company. (See Macdonald, C. H., and Salfisberg, assignors.)

Jack, Alexander G. M., Sheffield, England. Flexible supporting means suitable for use in suspension transporter arrangements and for other purposes. 1,463,165; July 31.

Jackson, Marshall H., Chicago, Ill. Seal-press identification. 1,463,322; July 31.

Jackson, Wm. H., Company. (See Stout, Edward D., assignor.)

Jacobs, Ernest H., assignor to Electrical Engineers Equipment Company, Chicago, Ill. Switch. 1,463,320; July 31.

Jacobs, Merrill. (See Munn, William B., assignor.)

Jacobson, Peter G., Chicago, Ill. Indicating device. 1,463,321; July 31.

Jacobus, Davis S., Jersey City, assignor to The Babcock & Wilcox Company, Bayonne, N. J. Cement-kiln system. 1,463,363; July 31.

Jansson, August W., assignor to The Kent Machine Company, Kent, Ohio. Blank carrier for beading machines and the like. 1,463,323; July 31.

Jardee, Minniaffee J., and R. J. Cowell, St. Joseph, Mo. Oil burner. 1,463,651; July 31.

Jardee, Minniaffee J., and R. J. Cowell, St. Joseph, Mo. Oil burner. 1,463,652; July 31.

Jefferson, Benjamin H., and W. I. Kirk, assignors, by mesne assignments, to Lyon & Healy, Inc., Chicago, Ill. Pedal device for pianos and for other purposes. 1,463,166; July 31.

Jenson, Louis J., Fort Collins, Colo. Hay sweep. 1,463,584; July 31.

Johnson, Albert E., and M. E. Johnson, Beverly, Mass., assignors to United Shoe Machinery Corporation, Paterson, N. J. Wetting machine. 1,463,214; July 31.

Johnson, Clarence A., Luther, Okla. Gear-assembling device. 1,463,269; July 31.

Johnson, Merton E. (See Johnson, Albert E. and M. E.)

Johnson, Joseph, Lebanon, Pa. Chain-making apparatus. 1,463,469; July 31.

Johnson, Joseph W., and J. W. Nolde, Newburgh, N. Y. Combined curtain support and shade holder. 1,463,702; July 31.

Johnson, Ross H., St. Paul, Minn. Display device. 1,463,470; July 31.

Johnston, Andrew L., jr., Richmond, Va., assignor, by mesne assignments, to Off'n'On Chain Corporation, New York, N. Y. Wire chain link. 1,463,281; July 31.

Johnston, Andrew L., jr., assignor, by mesne assignments, to Off'n'On Chain Corporation, New York, N. Y. Wire chain link. 1,463,282; July 31.

Jones, Alva A. (See Tallman, G. L., and Jones.)

Jones, Louis W., Baltimore, Md. Temperature regulator for cooling systems of internal-combustion engines. 1,463,510; July 31.

Joslin, A. D., Manufacturing Co. (See Sheras, Morris, assignor.)

Kadel, Byers W., Baltimore, Md., assignor to The T. H. Symington Company, New York, N. Y. Composite car framing. 1,463,703; July 31.

Kadel, George W., Dallas, Tex. Landing carriage for aeroplanes. 1,463,471; July 31.
Kaiser, John N. (See Frey, J. H., and Kaiser.)
Kasdan, Nathan, New York, and D. Pollack, Brooklyn, N. Y., assignors to Majestic Machine & Tool Co., Inc., New York, N. Y. Vanity box. 1,463,472; July 31.
Keith, Henry M., West Frankfort, Ill. Brushing machine. 1,463,705; July 31.
Kellogg, Charles B., Chicago, Ill. Display card. 1,463,585; July 31.
Kellogg Switchboard and Supply Company. (See Ide, Harry H., assignor.)
Kellogg Switchboard and Supply Company. (See Sparks, Charles, assignor.)
Kelly, Timothy J. (See Pearson, W. H., and Kelly.)
Kennedy, George C., Waterloo, Iowa. Shoe ornament. 1,463,531; July 31.
Kent, Leslie H., Stanmore, and S. Augustine de Normanville, London, England. Windshield. 1,463,704; July 31.
Kent Machine Company, The. (See Janson, August W., assignor.)
Ketcham, W. Le Roy, Bridgeport, Conn. Swivel. 1,463,706; July 31.
Keyes, Henry E., Philadelphia, Pa. Hammer. 1,463,167; July 31.
Kidney, Willis E., assignor to The Cleveland Electric Machine & Mfg. Co., Cleveland, Ohio. Power-driven grinder. 1,463,324; July 31.
Kiewicz, John, assignor to The Reece Button Hole Machine Company, Boston, Mass. Sewing machine. 1,463,325; July 31.
Kimble Glass Company. (See Halversen, Hans N., assignor.)
King Electric Manufacturing Company. (See King, Vernon F., assignor.)
King, Vernon F., Tonawanda, assignor to King Electric Manufacturing Company, Inc., Buffalo, N. Y. Alternating-current rectifier. 1,463,779; July 31.
Kintzing, Reese T., Wilkinsburg, Pa., assignor to Westinghouse Electric & Manufacturing Company. System of control. 1,463,168; July 31.
Kirk, Walter I. (See Jefferson, B. H., and Kirk.)
Klages, George W. (See Stroh, W. Y., and Klages.)
Kliesrath, Victor W., East Orange, N. J., assignor of one-half to C. S. Bragg, Cincinnati, Ohio. Internal-combustion engine. 1,463,586; July 31.
Knapp, Frederick H., Baltimore, Md. Husking machine. 1,463,364; July 31.
Knowles, Abram A., Canyon Ferry, Mont. Motor sleigh. 1,463,395; July 31.
Knudtson, Edward G., Stanton, Nebr., assignor to W. Becker, Sidney, Nebr. Hog holder and pig puller. 1,463,776; July 31.
Koch, Lydia B. (See Oliver, Ruth M., assignor.)
Kofsky, Henry M., Philadelphia, Pa. Arm for lighting fixtures. Des. 62,781; July 31.
Koger, Wesley N., Philadelphia, Pa. Street-cleaning machine. 1,463,707; July 31.
Kositzky, Carl R., Bismarck, N. Dak. Automobile turning signal. 1,463,425; July 31.
Krase, Norman W., Clarendon, Va., and V. L. Gaddy, Dillon, S. C. Condenser. 1,463,216; July 31.
Kratz, Franz, assignor to Robert Bosch Aktiengesellschaft, Stuttgart, Germany. Elastic Oldham coupling. 1,463,396; July 31.
Krause, Albert F., assignor to General Specialty Company, Buffalo, N. Y. Boiler-tube cleaner. 1,463,587; July 31.
Kreisinger, Henry, Pittsburgh, Pa., assignor to Combustion Engineering Corporation. Burning pulverized fuel. 1,463,283; July 31.
Krichbaum, William F., Irvington, N. J. Automatic air valve for internal-combustion engines. 1,463,532; July 31.
Kristofek, Frank J., assignor to Brown & Bigelow, St. Paul, Minn. Display sign. 1,463,326; July 31.
Kristofek, Frank J., assignor to Brown & Bigelow, St. Paul, Minn. Miniature parking sign. 1,463,217; July 31.
Kuhn, Louis, assignor to American Candy Co., Milwaukee, Wis. Paper carton. Des. 62,782; July 31.
Kurz, Christian A., jr., Dayton, Ohio. Golf club. 1,463,533; July 31.

La Bour, Harry E., Chicago, Ill. Means for packing rotating shafts and the like. 1,463,365; July 31.
Lambert Tire & Rubber Co. (See Rett, Carl E., assignor.)
Landis, John O., Waynesboro, Pa. Manicure implement. Re15,663; July 31.
Lane, George A., assignor of one-half to I. A. Chappell and one-half to J. C. Hayes, Lorain, Ohio. Inner tube. 1,463,742; July 31.
Lane, John J., Baltimore, Md. Cabinet. 1,463,511; July 31.
Lanfair, Ernest L., Sawtelle, Calif. Closure plug. 1,463,426; July 31.
Lang, James S., Watertown, Mass. Shock absorber. 1,463,284; July 31.
Lankston, Walter D., Robinson, Ill. Dump-body vehicle. 1,463,743; July 31.
Lapidus, Leon, Brooklyn, N. Y. Auto rear signal lamp. Des. 62,783; July 31.
Lapointe, Francis J., Ann Arbor, Mich. Broaching tool. 1,463,473; July 31.
Larsen, Louis B., and O. J. Holmes, Chicago, Ill. Film winding and delivery means for motion-picture devices. 1,463,620; July 31.
Lasater, Lura A., Houston, Tex. Belt. 1,463,553; July 31.
Lathey, Sumner. (See Reed, William A., assignor.)
Lauritzen, Alfred and V., Laeken-Brussels, Belgium. Safety device against the theft of motor cars. 1,463,218; July 31.
Lauritzen, Victor. (See Lauritzen, Alfred and V.)
Lauterbur, Frank X., Sidney, Ohio. Mixing machine. 1,463,744; July 31.
Lavers, Charles W., Halifax, Nova Scotia, Canada. Detachable shoe heel of the plate type. 1,463,427; July 31.
Lavers, Charles W., Halifax, Nova Scotia, Canada. Detachable shoe heel of the embedded-washer type. 1,463,428; July 31.
Lavier, Charles, Syracuse, N. Y. Garment-pressing machine. 1,463,397; July 31.
Lawrenz, Emil, Detroit, Mich. Ruling pen. 1,463,285; July 31.
Layne, James W., Danville, Va. Scraper. 1,463,745; July 31.
Lazier, Arthur A., Buffalo, N. Y. Timing device for internal-combustion engines. 1,463,474; July 31.
Leach, William W., Mansfield, Ohio. Crate. 1,463,512; July 31.
Leake, Thomas S., San Francisco, Calif. Tractor. 1,463,366; July 31.
Ledoux, Victor, New Bedford, assignor to Hopedale Manufacturing Company, Milford, Mass. Shuttle. 1,463,286; July 31.
Lee, Charles L., assignor to General Motors Research Corporation, Dayton, Ohio. Electric furnace. 1,463,513; July 31.
Lehman, John G., assignor to Bethlehem Foundry & Machine Company, Bethlehem, Pa. Temperature control of kettles by zones. Re. 15,665; July 31.
Leipert, August H. (See Masury, A. F., and Leipert.)
Lenté, Jacques, assignor to Société Anonyme d'Escaut & Meuse, Paris, France. Manufacture of return connections. 1,463,762; July 31.
Lenz, Nicholas. (See Maier, J. Lenz, and Radmer.)
Lewis, George C., Philadelphia, Pa. Hair curler. 1,463,746; July 31.
Lewis, Otto L., Chicago, Ill. Power-transmission clutch. 1,463,327; July 31.
Lewis, Otto L., Chicago, Ill. Gear-shifting device for transmissions. 1,463,328; July 31.
Libbey, C. A., Co. (See Rasmussen, Robert F., assignor.)
Libbey-Owens Sheet Glass Company, The. (See Callard, Robert P., assignor.)
Libbey-Owens Sheet Glass Company, The. (See Soubier, Leonard D., assignor.)
Lichtenberg, Fred, and M. M. McCarthy, Yonkers, N. Y. Floor slab. 1,463,621; July 31.
Lidgerwood Manufacturing Company et al. (See Swan, E. D., and Manges, assignors.)
Lifton, Samuel H., Brooklyn, N. Y. Brief case. 1,463,270; July 31.
Lilienfeldt, Gustav, New York, N. Y. Detachable shoe sole and heel. 1,463,514; July 31.
Loew, Charles H., and J. R. Gruetter, Lakewood, Ohio. Bottle-cleaning apparatus. 1,463,763; July 31.
Loewe, Siegmund, Berlin, Germany, assignor to Western Electric Company, Incorporated, New York, N. Y. Thermionic translating device. 1,463,475; July 31.
Logan, Malcolm D., Los Angeles, Calif. Tire shoe. 1,463,429; July 31.
Lonz, John E., Edgerton, Ohio. Leveling device. 1,463,515; July 31.
Longacre, Harry, Brooklyn, N. Y. Tobacco pipe. 1,463,398; July 31.
Longbottom, Charles A., Worksop, and Frederick L. Duffield, Brassington, England. Manufacture of refractory products from dolomite. 1,463,399; July 31.
Longyear, John M., jr. (See Genett, Louis J., assignor.)
Loomis, Rockwell A., Guatemala, Guatemala. Sharpening implement. 1,463,653; July 31.
Löwinger, Karl, Moravska Ostrava, Czechoslovakia. Valve. 1,463,169; July 31.
Lowman, Roy L., Buckhannon, W. Va., assignor of one-half to H. C. Dodge. Detonating fuse. 1,463,747; July 31.
Lummer, Fred, Milwaukee, Wis. Clamp-bolt lock. 1,463,622; July 31.
Lutz, Herbert, assignor to G. Morris, Hamilton, Ontario, Canada. Shock absorber. 1,463,219; July 31.
Lyon & Healy, Inc. (See Jefferson, B. H., and Kirk, assignors.)

McCarthy, Daniel J., Elgin, assignor to Chicago Railway Signal and Supply Company, Chicago, Ill. Light-projecting apparatus. 1,463,623; July 31.
McCarthy, Michael M. (See Lichtenberg, F., and McCarthy.)
McColl, Irvine, Grand Rapids, Mich. Receptacle or package. 1,463,516; July 31.
McLane, Joseph A., assignor to The Armorcord Rubber Company, Morgantown, W. Va. Making reenforced inner tubes for tires. 1,463,708; July 31.
McMurtry, Ashley L., Dunnville, Ontario, Canada. Automobile signal. 1,463,430; July 31.

McNulty, Arthur E, Bangor, Me. Pneumatic jack. 1,463,654; July 31.
Mabee, Elliott B., Brooklyn, N. Y. Illuminating device for the examination of negatives. 1,463,624; July 31.
Macdonald, Charles H., Montclair, and L. L. Salisbsberg, assignors to Ivers-Lee Company, Newark, N. J. Coating device. 1,463,476; July 31.
MacGill, Charles F., Cambridge, Mass. Fluid-registering mechanism. 1,463,534; July 31.
Mackey, Albert G., Washington, D. C., assignor to The Automatic Company. Match-box attachment. 1,463,517; July 31.
MacLellan, Angus D., assignor to MacLellan Mixer Company, Owensboro, Ky. Percentage feeder. 1,463,777; July 31.
MacLellan Mixer Company. (See MacLellan, Angus D., assignor.)
Madsen, Martin, Casmalia, Calif. Window-polishing device. 1,463,477; July 31.
Madsen, Mathias O. S., assignor to O. K. Heesch, Aarhus, Denmark. Automatic electric meter. 1,463,170; July 31.
Maier, Jacob, N. Lenz, and C. E. Radmer, Milwaukee, Wis. Cream separator for milk containers. 1,463,625; July 31.
Majestic Machine & Tool Co. (See Kasden, N., and Pollack, assignors.
Manges, Duff G. (See Swan, E. D., and Manges.)
Marble, William B., Los Angeles, Calif., assignor to Southern Glass Company. Bottle. Des. 62,784; July 31.
Marble, William B., Los Angeles, Calif., assignor to Southern Glass Company. Bottle. Des. 62,785; July 31.
Marchant, Rodney H. (See Bogard, Frank T., assignor.)
Marrazzo, Antony, New York, N. Y. Agitating machine. 1,463,626; July 31.
Marsh, Willard E., Memphis, Tenn. Tent shelter. 1,463,220; July 31.
Martin, Charles H., Los Angeles, Calif. Individual sheet and envelope separators for pneumatic feeders. 1,463,329; July 31.
Martin, Frederick T., assignor of one-half to J. J. Gallagher, Merion, Pa. Valve-spring lifter. 1,463,709; July 31.
Martin, Talbot G., assignor to Automatic Electric Company, Chicago, Ill. Party-line telephone system. 1,463,271; July 31.
Maryland Trust Company, trustee. (See Black, S. D., and Decker, assignors.)
Massillon Foundry & Machine Company. (See Paul, Stephen, assignor.)
Mastin, Walter C., San Antonio, Tex. Bib overalls. 1,463,748; July 31.
Masury, Alfred F., and A. H. Leipert, assignors to International Motor Company, New York, N. Y. Cushion connection for vehicle springs. 1,463,655; July 31.
Matson, Ralph C., Portland, Oreg. Photographic film and plate holder. 1,463,710; July 31.
Mauvais, Ernest, assignor to Multi-Copy Writer Corporation, Ltd., Seattle, Wash. Multicopy writer. 1,463,478; July 31.
May, Harold N., New Orleans, La. Adjustable curtain carrier. 1,463,711; July 31.
Mayer, Carl A., assignor to American Bosch Magneto Corporation, Springfield, Mass. Timing mechanism. 1,463,367; July 31.
Mazzie, Charles A., Detroit, Mich. Bank-protecting device. 1,463,368; July 31.
Mead, Albert R., Newark, N. J. Priming device. 1,463,712; July 31.
Mead, George J., Glen Rock, N. J. Valve-operating mechanism. 1,463,171; July 31.
Mealey, Merl B. (See Olson, E. H., Clark, Mealey, and Pelter.)
Measuregraph Company, The. (See Pedersen, Johannes T., assignor.)
Menasha Wooden Ware Co. See Cooper, Simon, assignor.)
Mendenhall, Austin A., Duluth, Minn. Resilient wheel. 1,463,369; July 31.
Meng, Arthur, Cleveland, Ohio. Ring-display holder. Des. 62,786; July 31.
Meyer, Henry, Detroit, Mich. Water-treading apparatus. 1,463,330; July 31.
Michael, Thomas E. (See Schonsteiner, G., and Michael.)
Miehle Printing Press and Manufacturing Company. (See Stevens, B. D., and Dudley, assignors.)
Miehle Printing Press & Manufacturing Company. (See Stevens, B. D., Henderson, and Saxon, assignors.)
Miller, Abraham, New York, N. Y. Lighting-fixture suspension strap. Des. 62,787; July 31.
Miller, Abraham, New York, N. Y. Lighting-fixture arm. Des. 62,788; July 31.
Miller-Chapman Company. (See Chapman, Earle E., assignor.)
Miller, John A. and W. D., Brighouse, England. Variable-speed gear. 1,463,287; July 31.
Miller, William W. (See Eanes, Hugh P., assignor.)
Miller, William D. (See Miller, John A. and W. D.)
Miller, William W., Martinsville, Va. Doffing and donning mechanism. 1,463,479; July 31.
Miller, Wyman A., et al. (See Ulrich, Carl J., assignor.)
Milmoe, Michael J., assignor to F. B. Redington Company, Chicago, Ill. Carton-sealing mechanism. 1,463,627; July 31.
Miner, Harry, Minneapolis, Minn. Vehicle turning signal. 1,463,331; July 31.
Miner, James H., Meridian, Miss. Saw tooth. 1,463,480; July 31.
Mintz, Moses J., New York, N. Y. Music cue sheet for motion pictures. 1,463,288; July 31.
Mitchell, Alexander, Pueblo, Colo., assignor of one-half to S. Dobin. Convertible desk. 1,463,289; July 31.
Mitchell, Oliver, Brookline, Mass., assignor to The Murray Company, Dallas, Tex. Tramper. 1,463,221; July 31.
Mohrmann, Paul, assignor to Friedley Voshardt Co., Chicago, Ill. Lighting fixture. Des. 62,789; July 31.
Mologne, Lewis A., Smithton, Pa. Window lock. 1,463,222; July 31.
Monahan, Richard C., Watertown, assignor to National Machine & Tool Company, Boston, Mass. Machine tool. 1,463,764; July 31.
Monk, Thomas, Bridgeport, Conn., assignor to The American Fabrics Company. Lace. Des. 62,790; July 31.
Moore, George C. and T. F., Westerly, R. I. Elastic woven fabric. Des. 62,791; July 31.
Moore, Osborne L., Jefferson, Mo. Index for numbers. 1,463,656; July 31.
Moore, Thomas F. (See Moore, George C. and T. F.)
Moore, William G., Omaha, Nebr. Invertible desk cabinet. Des. 62,792; July 31.
Mordey, William M., Westminster, England. Electromagnetic separation or concentration of minerals. 1,463,713; July 31.
Morris, George. (See Lutz, Herbert, assignor.)
Morrison, Vaughn E., assignor of one-half to C. F. Beckwith, Detroit, Mich. Fuel economizer. 1,463,481; July 31.
Moulder, Harry G., Kansas City, Mo. Amusement device. 1,463,290; July 31.
Mountford, William J., Macon, assignor of one-half to J. D. Bowden, Atlanta, Ga. Securing shingles to roofs. 1,463,482; July 31.
Mt. Carmel Manufacturing Company, The. (See Somers, William A., assignor.)
Mueller, Adolph, trustee. (See Mueller, P., and Schuermann, assignors.)
Mueller, Jacob L., York, Pa. Chain-welding machine. 1,463,714; July 31.
Mueller, Philip, and A. C. Schuermann, assignors to A. Mueller, trustee, Decatur, Ill. Integral stop. 1,463,370; July 31.
Mühlow, Jöns, Malmo, Sweden. Base for posts, flagstaffs, and the like. 1,463,715; July 31.
Multi-Copy Writer Corporation, Ltd. (See Mauvais, Ernest, assignor.)
Mumford, Frank L., Toledo, Ohio. Check-valve control means for pistons. 1,463,628; July 31.
Mun-Kee Products Corporation. (See Munson, Whitney K., assignor.)
Mundy, James M., Brooklyn, N. Y. Means for securing tires to vehicle wheels. 1,463,291; July 31.
Munn, William B., assignor of one-half to M. Jacobs, Memphis, Tenn. Package-wrapping machine. 1,463,716; July 31.
Munn, William B., assignor of one-half to M. Jacobs, Memphis, Tenn. Convertible worktable. 1,463,717; July 31.
Munson, Whitney K., assignor to Mun-Kee Products Corporation, Los Angeles, Calif. Stamp pad. 1,463,718; July 31.
Murphy Iron Works. (See Bigelow, Frank B., assignor.)
Murray Company, The. (See Mitchell, Oliver, assignor.)
Murray Company, The. (See Woodford, Bronson C., assignor.)
Nass, Hugh P. (See Neft, I., and Nass.)
National Auto Devices Company. (See Conger, Charles A., assignor.)
National Machine & Tool Company. (See Monohan, Richard C., assignor.)
National Sales Machine Company. (See Reith, George C., assignor.)
Nebel, Ernst O., Philadelphia, Pa. Lace attachment for knitting machines. 1,463,719; July 31.
Neft, Isidore, and H. P. Nass, Seattle, Wash. Protective curtain. 1,463,431; July 31.
Negro, Luigi, Bucharest, Rumania. Universal cutting and kneading machine. 1,463,720; July 31.
Nelson, Nels T., Attleboro, assignor to J. F. Sturdy's Sons Co., Attleboro Falls, Mass. Buckle. 1,463,657; July 31.
Neumann, Carl, New York, N. Y. Collar-button hook. 1,463,400; July 31.
New Jersey Patent Company. (See Warner, Selden G., assignor.)
Newman, Samuel, Cincinnati, Ohio. Belt attachment. 1,463,172; July 31.
Newport, Calvin C., assignor to Des Moines Incubator Company, Des Moines, Iowa. Sectional grain sprouter. 1,463,223; July 31.
Newton, Richard T., New York, N. Y. Lubricating device. 1,463,765; July 31.
Newton, Richard T., New York, N. Y. Shock eliminator. 1,463,766; July 31.
Nichols, Harold W., Maplewood, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y. Vacuum-tube apparatus. 1,463,432; July 31.
Nichols, Harold W., Maplewood, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y. Signaling. 1,463,433; July 31.

Nihoul, Armand, Villeneuve-le-Roi and C. Clere, Paris, France. Manufacture of zinc white. 1,463,483; July 31.
Nitrogen Corporation, The. (See Arnold, E. H., and Wakeford, assignors.)
Nixon, Moses C., Chicago, Ill. Windmill. 1,463,434; July 31.
Nobis, Harry M., East Cleveland, Ohio. Method of and apparatus for smoke prevention. 1,463,629; July 31.
Nolde, John W. (See Johnson, J. W., and Nolde.)
Norrel, Anders, Zurich, Switzerland. Apparatus for truing up commutators, hip rings, drums, and the like. 1,463,224; July 31.
North, Ray A., assignor to E. P. Smith, Green Bay, Wis. Pulp dehydrator. 1,463,721; July 31.
Northrop, Jonas, Hopedale, assignor to Hopedale Manufacturing Company, Milford, Mass. Thread-parter mechanism. 1,463,225; July 31.
Northrop, Jonas, Hopedale, assignor to Hopedale Manufacturing Company, Milford, Mass. Take-up mechanism for looms. 1,463,226; July 31.
Northrop, Jonas, Hopedale, assignor to Hopedale Manufacturing Company, Milford, Mass. Feeler loom. 1,463,292; July 31.
Northrop, Jonas, Hopedale, assignor to Hopedale Manufacturing Company, Milford, Mass. Automatic loom. 1,463,435; July 31.
Nowosielski, Edward B., Bloomfield, N. J., assignor to Splitdorf Electrical Company, New York, N. Y. Electric-generator-operating means. 1,463,436; July 31.
Nutter, Karl L., Martinsville, Ind. Demountable wheel rim. 1,463,588; July 31.
O'Boyle, Hugh J., San Antonio, Tex. Panel for lamp shades. 1,463,722; July 31.
Oh'N'On Chain Corporation. (See Johnston, Andrew L., jr., assignor.)
Oliver, Ruth M., assignor to Mrs. L. B. Koch, New York, N. Y. Paper milk bottle. 1,463,437; July 31.
Olsen, Benjamin B., Marshalltown, Iowa. Air heater. 1,463,484; July 31.
Olsen, Nels, San Leandro, Calif. Carbonizing furnace. 1,463,438; July 31.
Olson, Edward H., J. C. H. Clark, and M. B. Mealey, Walla Walla, Wash., and C. Peltier, Oregon City, Oreg. Automatic train-controlling apparatus. Re15,664; July 31.
Osborn, Alden E., New York, N. Y. Motor vehicle. 1,463,371; July 31.
Ostmeyer, Edward. (See Breitling, E., and Ostmeyer.)
Otis Elevator Company. (See Snead, Herbert S., assignor.)
Otsuki, Kisaburo, Fulton, Calif. Storing and preserving cabinet. 1,463,723; July 31.
Ouzoun-Boghossian, Sissag K., Heliopolis, Egypt. Watch-movement case. Des. 62,793; July 31.
Packard Electric Company. (See Baker, Carey W., assignor.)
Paddock, Lawrence S., Philadelphia, Pa. Detachable armrest for automobiles or the like. 1,463,293; July 31.
Page, Samuel H., Stratford, Conn., assignor to The American Fabrics Company, Lace. Des. 62,794; July 31.
Page, Samuel H., Stratford, Conn., assignor to The American Fabrics Company, Lace. Des. 62,795; July 31.
Page, Samuel H., Stratford, Conn., assignor to The American Fabrics Company, Lace. Des. 62,796; July 31.
Page, Samuel H., Stratford, Conn., assignor to The American Fabrics Company, Lace. Des. 62,797; July 31.
Page, Samuel H., Stratford, Conn., assignor to The American Fabrics Company, Lace. Des. 62,798; July 31.
Page, Samuel H., Stratford, Conn., assignor to The American Fabrics Company, Lace. Des. 62,799; July 31.
Page, Samuel H., Stratford, Conn., assignor to The American Fabrics Company, Lace. Des. 62,800; July 31.
Page, Samuel H., Stratford, Conn., assignor to The American Fabrics Company, Lace. Des. 62,801; July 31.
Page, Samuel H., Stratford, Conn., assignor to The American Fabrics Company, Lace. Des. 62,802; July 31.
Palmer, E. G. (See Townsend, Floyd E., assignor.)
Paramount Rubber Consolidated. (See Zappia, Domenic, assignor.)
Parks, Ostrander J., River Forest, assignor to General American Tank Car Corporation, Chicago, Ill. Box car. 1,463,173; July 31.
Parker, John C., Philadelphia, Pa. Steam-generator fitting. 1,463,658; July 31.
Parker, Lee H., Boston, and H. W. Day, Wollaston, assignors to Spray Engineering Company, Boston, Mass. Apparatus for applying coating. 1,463,322; July 31.
Parker, Leslie O. (See Hillmer, M. L., and Parker.)
Parkhouse, Albert W. (See Hooper, C. L., Sutherland, and Parkhouse.)
Paterson, George, and C. Thew, assignors to R. & W. Hawthorn, Leslie & Company, Limited, Newcastle-upon-Tyne, England. Oil-flow indicator for gear-case sprayers. 1,463,174; July 31.
Patent Button Company, The. (See White, Franklin R., assignor.)
Paul, Joseph M., Rice Lake, Wis. Flytrap. 1,463,659; July 31.
Paul, Stephen, Lansing, Mich., assignor, by mesne assignments, to The Massillon Foundry & Machine Company, Massillon, Ohio. Adjustable guide for hammers. Re15,666; July 31.
Paul, William L., Berkeley, Calif., assignor to Deere & Company, Moline, Ill. Lever. 1,463,333; July 31.
Pearson, William H., and T. J. Kelly, Passaic, N. J., assignors to Brighton Mills. Machine for and method of uniting threads or cords. 1,463,401; July 31.
Peck, William J., White River Junction, Vt., and E. R. Chase, West Lebanon, N. H. Signal. 1,463,439; July 31.
Pedersen, Johannes T., Flushing, N. Y., assignor, by mesne assignments, to The Measuregraph Company. Adjusting measuring machines. 1,463,589; July 31.
Pedersen, Julius, Bridgeport, Conn. Windshield cleaner. 1,463,590; July 31.
Pelter, Charles. (See Olson, E. H., Clark, Mealey, and Pelter.)
Perfect Projector Machine Company, The. (See Blankenberg, William J., assignor.)
Peterson, Edwin A., Madison, Wis., assignor to Underwood Typewriter Company, New York, N. Y. Typewriting machine. 1,463,535; July 31.
Peterson, Henry, Hamilton, Mont. Agricultural implement. 1,463,485; July 31.
Petzold, Julius A., assignor to Children's Bed Cover Fastener Company, Kansas City, Mo. Adjustable bed-cover fastener. 1,463,402; July 31.
Peyron, Julius J. (See Ryan, Michael H., assignor.)
Pfaffenberger, Oliver P. M., Indianapolis, Ind. Liquid-measuring device. 1,463,591; July 31.
Phelan, Hazel, executrix. (See Gould, Augustus W.)
Piaszek, Ferdinand, Saginaw, Mich. Lens. Des. 62,803; July 31.
Pichler, Stephen, Detroit, Mich. Testing device. 1,463,440; July 31.
Pickard, Birtrun L., Los Angeles, Calif. Adhesive paste. 1,463,403; July 31.
Pidgeon, Andrew D., Chicago, Ill. Shock absorber for automobiles. 1,463,660; July 31.
Pierman, Alexander N., Newark, N. J. Mounting for stems of crystal detectors. 1,463,554; July 31.
Pike, Richard, St. Johns, Newfoundland. Propeller. 1,463,441; July 31.
Pittsburgh Transformer Company. (See Bingay, Robert V., assignor.)
Pokorny, Anton, Wyndmere, N. Dak. Grain-car door. 1,463,724; July 31.
Pollak, Charles, Hancock, Mich. Device for preventing leaks. 1,463,749; July 31.
Pollack, Daniel. (See Kasden, N., and Pollack.)
Popkin, David, Malden, Mass. Method and means for making upholstered furniture. 1,463,334; July 31.
Posson, Edward, Chicago, Ill. Yoke-key support. 1,463,555; July 31.
Poulsen, Edward P., Mendham, N. J. Mop wringer. 1,463,750; July 31.
Powell, A. L., Power Co., The. (See Powell, Alvah L., assignor.)
Powell, Alvah L., assignor to The A. L. Powell Power Co., Inc., Miles City, Mont. Mechanical igniter. 1,463,751; July 31.
Powers, William E. (See Brown, Harry P., assignor.)
Presbrey, Otis F., Brooklyn, N. Y. Grinding machine. 1,463,335; July 31.
Pryor, Joseph F., Houghton, Mich. Extensible, reversible, and self-sharpening dipper tooth. 1,463,725; July 31.
Quan, Harry K., New York, N. Y. Bottle. Des. 62,804; July 31.
Radmer, Clarence E. (See Maier, J., Lenz, and Radmer.)
Ragan, Frederick H., Detroit, Mich. Power press. 1,463,272; July 31.
R. & W. Hawthorn, Leslie & Company. (See Paterson, G., and Thew, assignors.)
Rankin, William A., Oak Park, Ill., assignor to Edison Electric Appliance Co., Inc. Electric heater. 1,463,630; July 31.
Rasch, Ludvik, Christiania, assignor to Aktieselskapet Turbo-Separator, Drammen, Norway. Separating disks in centrifugal separators. 1,463,752; July 31.
Rasmussen, Robert F., assignor to C. A. Libbey Co., Oshkosk, Wis. Leading staff. 1,463,175; July 31.
Redfield, John V., Grosse Pointe, assignor to Central Station Steam Company, Detroit, Mich. Condensation-meter counterhousing. 1,463,404; July 31.
Redington, F. B., Company. (See Milmoe, Michael J., assignor.)
Reece Button Hole Machine Company, The. (See Klewicz, John, assignor.)
Reed, Sylvanus A., New York, N. Y. Aeronautical propeller. 1,463,556; July 31.
Reed, William A., assignor of one-half to S. Lathey Springfield, Ohio. Shoe-last stand. 1,463,753; July 31.
Reith, George C., Philadelphia, Pa., assignor, by mesne assignments, to National Sales Machine Company, Worcester, Mass. Coin vending machine. 1,463,486; July 31.
Remillard, Joseph O., assignor of one-third to A. Gorman and one-third to J. A. H. Cameron, Montreal, Quebec, Canada. Nonsplash bottle opener. 1,463,536; July 31.
Remington Typewriter Company. (See Seib, George A., assignor.)
Remy Electric Company. (See Conklin, Oliver F., assignor.)
Remy Electric Company. (See Hillmer, Max L., assignor.)

Rett, Carl E., Akron, assignor to Lambert Tire & Rubber Co., Barberton, Ohio. Manufacturing tires. 1,463,754; July 31.
Reusch, Walter, assignor to Electric Sealing Machine Corporation, New York, N. Y. Electric sealing device. 1,463,336; July 31.
Reynolds, De Elbert A. (See Reynolds, Egbert A., and D. A.)
Reynolds, Egbert A., Yonkers, N. Y., and D. A. Reynolds, West Hoboken, N. J., assignors, by mesne assignments, to Audiphone Company of America, New York, N. Y. Sound-reproducing instrument. 1,463,572; July 31.
Richards, James N., W. H. Westman and A. D. Westman, Chatham, Ontario, Canada. Mounting steering wheel. 1,463,487; July 31.
Richter, Edmund. (See Eisselt, Ferdinand E. G., assignor.)
Riley, Robert S., assignor to Sanford Riley Stoker Co., Worcester, Mass. Underfeed stoker. 1,463,337; July 31.
Robert Bosch Aktiengesellschaft. (See Kratz, Franz, assignor.)
Robinson, Elizabeth A., Scranton, Pa. Ventilating apparatus for Pullman cars. 1,463,294; July 31.
Robinson, William V., assignor to The Independent Stove Co., Owosso, Mich. Gas burner. 1,463,592; July 31.
Roeser, Harry C., Chicago, Ill. Navigating instrument. 1,463,373; July 31.
Ronders, John J., Monongah, W. Va. Railway switch. 1,463,227; July 31.
Rosenbloom, Samuel, Lowell, Mass. Auxiliary spring attachment for spring bed bottoms. 1,463,295; July 31.
Ross, James, assignor to Advance-Rumely Company, Laporte, Ind. Tractor-frame construction. 1,463,593; July 31.
Rust, Robert R., New York, N. Y. Metal-twisting mechanism. 1,463,594; July 31.
Ruth, Joseph P., jr., Denver, Colo. Flotation apparatus. 1,463,405; July 31.
Ruttmann, Ernst, Stuttgart, Germany. Ricochet ball game. 1,463,726; July 31.
Ryan, Michael H., assignor of one-tenth to J. J. Peyron, San Bernardino, Calif. Air-brake emergency check valve. 1,463,767; July 31.
Salfisberg, Leroy L. (See Macdonald, C. H., and Salfisberg.)
Samuel, Albert, Paris, France. Envelope, postal wrapper, or the like. 1,463,442; July 31.
Sanford Riley Stoker Co. (See Riley, Robert S., assignor.)
Saunders, Samuel R., Green Bay, assignor of one-half to J. Hendricks, South Kaukauna, Wis. Air-cooled cylinder. 1,463,595; July 31.
Sauveur, Albert, Cambridge, Mass. Manufacturing wrought iron. 1,463,228; July 31.
Saxon, William. (See Stevens, B. D., Henderson, and Saxon.)
Schade, James W., Akron, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y. Transmission belt. 1,463,596; July 31.
Schleidge, George K., assignor to The Hartford Special Machinery Company, Hartford, Conn. Chuck. 1,463,176; July 31.
Schocket, Abraham, New York, N. Y. Vanity case. Des. 62,805; July 31.
Scholz, Katharina, Freiheit, Bohemia, Czechoslovakia. Obstetric apparatus. 1,463,177; July 31.
Schonsteiner, Gottlieb, and T. E. Michael, Pittsburgh, Pa. Suction support for bootblack stands and the like. 1,463,631; July 31.
Schroeder, Simon E., Oak Park, Ill. Screw-feeding device. 1,463,338; July 31.
Schuermann, Anton C. (See Mueller, P., and Schuermann.)
Schuetz, Henry, Pittsburgh, Pa. Combination tool. 1,463,374; July 31.
Schwenker, Charles F., Schenectady, N. Y., assignor to General Electric Company. Packing. 1,463,488; July 31.
Scott, Walter M., Lakewood, and R. E. Tresise, Cleveland, Ohio. Electric measuring instrument. 1,463,597; July 31.
Sealed Case Company. (See Shellenberger, John, assignor.)
Seaman, David J., Saginaw, Mich. Curtain suitable for use in store fixtures. 1,463,598; July 31.
Seib, George A., assignor to Remington Typewriter Company, Ilion, N. Y. Typewriting machine. 1,463,599; July 31.
Selby-Fayers, William, and E. R. Gates, Surrey, assignors to The West Surrey Central Dairy Company, Limited, Guildford, England. Opening device for closed or sealed tins and containers. 1,463,443; July 31.
Sellers, John M., Downers Grove, assignor to Sellers Manufacturing Company, Chicago, Ill. Balling scrap metal. 1,463,339; July 31.
Sellers Manufacturing Company. (See Sellers, John M., assignor.)
Serrell, William C., Syracuse, and C. E. Widmeyer, Beaver Falls, N. Y. Motor support. 1,463,406; July 31.
Severns, Richard S., Delanco, N. J. Composition shingle. 1,463,632; July 31.
Shackleford, Benjamin E., East Orange, N. J., assignor to Westinghouse Lamp Company. Electric incandescent lamp. 1,463,178; July 31.

Shannon, Leon W., Hiawatha, Kans. Developing apparatus. 1,463,489; July 31.
Sharp, Albert and G., Bayonne, N. J. Adjustable forming outlet nozzle. 1,463,407; July 31.
Sharp, George. (See Sharp, Albert and G.)
Shelby Shoe Company. (See Gordon, Hiram, assignor.)
Shellenberger, John, Rome, Ga., assignor to Sealed Case Company. Machine for making boxes and crates. 1,463,727; July 31.
Sheras, Morris, assignor to A. D. Joslin Manufacturing Co., Chicago, Ill. Band dating stamp. 1,463,340; July 31.
Sherman, Allton H. (See Combs, Wilbur M., assignor.)
Shields, Willie A., Birmingham, Ala. Combination tool. 1,463,375; July 31.
Shuster, Irving C., Newark, N. J. Fixture for brake rods. 1,463,557; July 31.
Sibley, Richard C., Boston, Mass. Freight-transferring system. 1,463,558; July 31.
Siemens-Schuckertwerke Gesellschaft mit beschrankter Haftung. (See Thallmayer, Ludwig, assignor.)
Signal Gesellschaft m. b. H. (See Hahnemann, Walter, assignor.)
Silver, Walter H., assignor to Deere & Company, Moline, Ill. Wheel plow. 1,463,376; July 31.
Simmons Company. (See Stuart, Charles A., assignor.)
Simmons, Harry, Spokane, Wash. Shield. Re15,667; July 31.
Simmons, Harry C. (See Heller, Philip, assignor.)
Simmons, Ralph C., Beverly, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J. Cutting machine. 1,463,229; July 31.
Simon, Harry, New York, N. Y., assignor to Sitroux Importing Company, Inc. Receptacle. 1,463,296; July 31.
Simpson, Emory G., assignor to Fisher Body Corporation, Detroit, Mich. Removable window guide. 1,463,444; July 31.
Sinclair, Peter D., Marion, N. C. Vehicle transmission gear. 1,463,728; July 31.
Singer Manufacturing Company, The. (See Drake, John J., assignor.)
Singer Manufacturing Company, The. (See Gray, Charles F, assignor.)
Sitroux Importing Company. (See Simon, Harry, assignor.)
Skoglund, Albert. (See Bore, J., and Skoglund.)
Slider, George, Baltimore, Md. Clutch mechanism. 1,463,490; July 31.
Smalley, Edwin L., East Orange, N. J. Sectional electric furnace. 1,463,559; July 31.
Smith, Benjamin C., Westfield, assignor to Standard Motor Construction Company, Jersey City, N. J. Power-transmission mechanism. 1,463,445; July 31.
Smith, Ellasson R., Dayton, Ohio. Restaurant room. 1,463,633; July 31.
Smith, E. Payson. (See North, Ray A., assignor.)
Smith, George M., assignor to Interstate Iron and Steel Company, Chicago, Ill. Cooling bed. 1,463,634; July 31.
Smith, Owen P., Chicago, Ill. Rail switch. 1,463,560; July 31.
Snead, Herbert S., Montclair, assignor to Otis Elevator Company, Jersey City, N. J. Safety device for elevator cars. 1,463,297; July 31.
Snowden, Scott, Modesto, Calif. Camera. 1,463,446; July 31.
Société Anonyme d'Escaut & Meuse. (See Lenté, Jacques, assignor.)
Somers, William A., Hamden, assignor to The Mt. Carmel Manufacturing Company, Mount Carmel, Conn. Handle. 1,463,341; July 31.
Sommer, John, Peoria, Ill. Tile-placing attachment for ditching machines. 1,463,561; July 31.
Soubier, Leonard D., assignor, by mesne assignments, to The Libbey-Owens Sheet Glass Company, Toledo, Ohio. Drawing continuous sheet glass. 1,463,273; July 31.
Southern Glass Company. (See Marble, William B., assignor.)
South Bend Motors Company. (See Batherick, Charles E., assignor.)
Sparks, Charles, Oak Park, assignor to Kellogg Switchboard and Supply Company, Chicago, Ill. Telephone system. 1,463,600; July 31.
Spicer, Edward, Vancouver, British Columbia, Canada. Covering for boilers, pipes, and the like. 1,463,298; July 31.
Splitdorf Electrical Company. (See Nowosielski, Edward B., assignor.)
Splitdorf Electrical Company. (See Werner, Leo J., assignor.)
Spray Engineering Company. (See Parker, L. H., and Day, assignors.)
Squires, Chester J., Galesburg, Ill. Push-key combination padlock. 1,463,230; July 31.
Staake, Emil, assignor to Aktiebolaget Svenska Kullagerfabriken, Gottenborg, Sweden. Ball cage for radial ball bearings. 1,463,299; July 31.
Stackhouse, Milroy G., Tulsa, Okla., assignor to The Staset Company. Nut lock. 1,463,377; July 31.
Stahl, Ambrose C., Detroit, Mich. Reduction-gear mechanism. 1,463,447; July 31.
Standard Motor Construction Company. (See Smith, Benjamin C., assignor.)

Stanford, Arthur L., Chicago, Ill. Lifting jack. 1,463,635; July 31.
Stanley, Albert, Indianapolis, Ind. Tank filler and contents indicator. 1,463,342; July 31.
Starck, William A. (See Hathaway, C. H., and Starck.)
Staset Company, The. (See Stackhouse, Milroy G., assignor.)
Stember, Bernard, New York, N. Y. Pocketbook. 1,463,729; July 31.
Stephens, Albert G., Indianapolis, Ind. Display-case warmer. 1,463,179; July 31.
Stephens, Henry, Cleveland, Ohio. Tie-plate rail anchor. 1,463,344; July 31.
Stephens, Henry, assignor to The Interstate Railway Supply Company, Cleveland, Ohio. Rail anchor. 1,463,343; July 31.
Stern, Edgar L., San Francisco, Calif. Folding box. 1,463,448; July 31.
Stevens, Burt D., Evanston, and E. F. Dudley, Oak Park, assignors to Miehle Printing Press and Manufacturing Company, Chicago, Ill. Mounting and operating mechanism for reciprocating beds of printing presses. 1,463,274; July 31.
Stevens, Burt D., Evanston, C. Henderson, and W. Saxon, Oak Park, assignors to Miehle Printing Press & Manufacturing Company, Chicago, Ill. Offset printing press. 1,463,562; July 31.
Stickney, Burnham C., Elizabeth, N. J., assignor to Underwood Typewriter Company, New York, N. Y. Typewriting machine. 1,463,537; July 31.
St. Louis Stove Company. (See Futral, Richard, assignor.)
Stocks, James C., Atlanta, Ga. Shirt band and cuff button. 1,463,345; July 31.
Stoner, Frank, Corregidor Island, and C. H. W. Aitken, assignors to W. M. Thebaut, Manila, P. I. Internal-combustion motor. 1,463,231; July 31.
Storb Snader & Company. (See Gilfillan, Robert H., assignor.)
Stout, Edward D., New Rochelle, assignor to Wm. H. Jackson Company, New York, N. Y. Heater. 1,463,730; July 31.
Stover, Clinton W., Canton, Ohio. Forging insulator caps. 1,463,601; July 31.
Stowe, Loyd R., Maplewood, Mo. Automatic stoker. 1,463,300; July 31.
Stowe, Loyd R., Maplewood, Mo. Stoker. 1,463,301; July 31.
Strandlund, Carl G., assignor to Deere and Company, Moline, Ill. Wheeled plow. 1,463,378; July 31.
Strandlund, Carl G., assignor to Deere & Company, Moline, Ill. Wheeled plow. 1,463,379; July 31.
Stricker, William, Kansas City, Mo. Automatic food molding and wrapping machine. 1,463,636; July 31.
Stroh, William Y., and G. W. Klages, Pittsburgh, Pa. Hammering apparatus. 1,463,180; July 31.
Stromberg Motor Devices Company. (See Adams, Frank H., assignor.)
Struchen, Henry C., St. Paul, Minn. Hoist for vehicle bodies. 1,463,637; July 31.
Stuart, Charles A., assignor to Simmons Company, Kenosha, Wis. Bedstead frame. Des. 62,806; July 31.
Stuart, Charles A., assignor to Simmons Company, Kenosha, Wis. Bedstead frame. Des. 62,807; July 31.
Stucki, Arnold, Pittsburgh, Pa. Roller side bearing. 1,463,602; July 31.
Sturdy's, J. F., Sons Co. (See Nelson, Nels T., assignor.)
Sutherland, Robert F. (See Hooper, C. L., Sutherland, and Parkhouse.)
Swan, Erwin D., East Orange, N. J., and D. G. Manges, Maryville, Tenn., assignors of one-half to Lidgerwood Manufacturing Company, New York, N. Y., and one-half to United Steel Block Corporation, Chester, Pa. Sheave block. 1,463,731; July 31.
Swartz, William H., York, Pa., assignor to The General Machine Works. Speed-changing mechanism. 1,463,408; July 31.
Swift & Company. (See Davis, Elmer E., assignor.)
Symington, T. H., Company, The. (See Kadel, Byers W., assignor.)
Talgman, Max, New York, N. Y. Electrically-controlled power transmission. 1,463,449; July 31.
Talcott, Phineas M., Branford, Conn. Cartridge-loading press. 1,463,603; July 31.
Tallman, Gentry L., and A. A. Jones, Shelbyville, Ill. Combined governor and commutator support for motor vehicles. 1,463,491; July 31.
Tangany, Joseph G., Holyoke, Mass. Lifting truck. 1,463,538; July 31.
Taylor, Charles C. (See Davis, F. K., and Taylor.)
Taylor, George A., Muncie, Ind. Fireless stove. 1,463,563; July 31.
Taylor, James L., Manufacturing Co. (See Taylor, James L., assignor.)
Taylor, James L., Poughkeepsie, assignor to James L. Taylor Manufacturing Co., New York, N. Y. Clamp. 1,463,564; July 31.
Ternstedt Manufacturing Company. (See Heintz, Ernest E., assignor.)
Thallmayer, Ludwig, Berlin-Charlottenburg, assignor to Siemens-Schuckertwerke Gesellschaft mit beschrankter Haftung, Siemensstadt, near Berlin, Germany. Reversing gear. 1,463,638; July 31.
Thebaut, William M. (See Stoner, F., and Aitken, assignors.)
Theiss, Mary E., Warrensburg, Mo. Emblem holder for automobile fenders. 1,463,409; July 31.
Thew, Charlton. (See Paterson, G., and Thew.)
Thomas, Edward G., assignor to Toledo Scale Company, Toledo, Ohio. Recording scale. 1,463,450; July 31.
Thomas, Emory M., Buckner, Mo. Gasoline gun. 1,463,518; July 31.
Thornburgh, Ivan D., Berkeley, assignor to American Can Company, San Francisco, Calif. Method of and apparatus for gasket lining can ends. 1,463,519; July 31.
Thust, George J., Milwaukee, Wis. Wrapping mechanism for pasteboard boxes. 1,463,639; July 31.
Toledo Scale Company. (See Hem, Halvor O., assignor.)
Toledo Scale Company. (See Thomas, Edward G., assignor.)
Townsend, Floyd E., Berkeley, assignor of one-half to E. G. Palmer, San Francisco, Calif. Car unloader. 1,463,302; July 31.
Treslse, Raleigh E. (See Scott, W. M., and Treslse.)
Trimmer, Moses L., Craig, Mo. Attachable hopper. 1,463,232; July 31.
Triumph Manufacturing Company, The. (See Ward, Paul S., assignor.)
Troseclair, Leo E., New Orleans, La. Gas-regulating valve. 1,463,451; July 31.
Turner, Ralph C., and E. T. Alston, Seattle, Wash.; said Turner assignor to said Alston. Device for riveting half soles on pneumatic rubber tires. 1,463,732; July 31.
Turner, Roy J., San Francisco, Calif., assignor to Efficiency File Co., Chicago, Ill. Desk organizer. 1,463,733; July 31.
Ulrich, Carl J., Mankato, assignor of one-fourth to W. A. Miller and one-fourth to S. R. Clark, Minneapolis, Minn. Grapefruit corer. 1,463,233; July 31.
Ulrich, John, Salt Lake City, Utah. Tree holder. 1,463,734; July 31.
Underwood Computing Machine Company. (See Conard, Frederick U., assignor.)
Underwood Computing Machine Company. (See Davis, F. K., and Taylor, assignors.)
Underwood Typewriter Company. (See Hulse, William H., assignor.)
Underwood Typewriter Company. (See Peterson, Edwin A., assignor.)
Underwood Typewriter Company. (See Stickney, Burnham C., assignor.)
Union Carbide Company. (See Curme, G. O., jr., and Heyn, assignors.)
United Shoe Machinery Corporation. (See Johnson, Albert E. and M. E., assignors.)
United Shoe Machinery Corporation. (See Simmons, Ralph C., assignor.)
United Steel Block Corporation, et al. (See Swan, E. D., and Manges, assignors.)
Universal Car and Hose Coupler Company. (See Funk, John H., assignor.)
Universal Pattern & Model Company. (See Baker, Charles E., assignor.)
Vacuum Oil Company. (See Hooper, C. L., Sutherland, and Parkhouse, assignors.)
Vacuum Pulp Products Corporation. (See Cooper, Simon, assignor.)
Vandivier, James R., Franklin, and G. R. Hunt, Terre Haute, Ind. Railway-crossing gate. 1,463,520; July 31.
Varland, Hiram H., Des Moines, Iowa. Combined manure loader and spreader. 1,463,492; July 31.
Varrieur, Henry O., Placerville, Calif. Combined closure and faucet for liquid containers. 1,463,735; July 31.
Vickers Limited. (See Davis, Albert L., assignor.)
Victor Piston Ring Co. (See Butler, Jay E., assignor.)
Vorderwinkler, William, Roselle, N. J. Winding and reeling device. 1,463,181; July 31.
Voss, Joseph, Manitowoc, Wis. Safety deposit box. 1,463,182; July 31.
Wagner, Ray C., Metamora, Ill. Lock for tire chains. 1,463,604; July 31.
Wahl, William H., Des Moines, Iowa. Radiator structure for furnaces. 1,463,410; July 31.
Wakeford, William T. (See Arnold, E. H., and Wakeford.)
Walker, Benjamin F., Bridgeport, Conn. Vehicle wheel. 1,463,640; July 31.
Walker, Frederick G., Chicago, Ill. Foldable closure. 1,463,346; July 31.
Walker, Frederick G., Chicago, Ill. Foldable closure. 1,463,347; July 31.
Walker, Harry M., Grayburg, Tex. Check-controlled mechanism. 1,463,521; July 31.
Walker, William L., New York, N. Y. Vault light. 1,463,452; July 31.
Walkley, Frank H. (See Walther, G., and Walkley.)
Wall, Ormond E., Honolulu, Hawaii. Expression device for player pianos. 1,463,234; July 31.
Wall, Ormond E., Honolulu, Hawaii. Pneumatic control device for player pianos. 1,463,275; July 31.
Wallingford, James S., Paris, Ky. Garment supporter. 1,463,380; July 31.
Walters, Charles A., Marion, Iowa. Carpenter's square. 1,463,605; July 31.
Walther, George, Dayton, Ohio. Pattern for casting steel wheels. 1,463,348; July 31.

Walther, George, and F. H. Walkley, assignors to The Dayton Steel Foundry Company, Dayton, Ohio. Wheel. 1,463,349; July 31.
Wamback, Frederic, Greenwich, Conn. Spark-plug cleaner. 1,463,350; July 31.
Ward, Paul S., assignor to The Triumph Manufacturing Company, Cincinnati, Ohio. Whip for mixing machines. 1,463,736; July 31.
Ward, William E., and M. J. Barre, Birmingham, England. Wood and other pulley. 1,463,641; July 31.
Waream, Charles E., Cincinnati, and D. H. Benjamin, Cleveland Heights, assignors to The American Laundry Machinery Company, Cincinnati, Ohio. Neckband former. 1,463,606; July 31.
Warner, Selden G., assignor to New Jersey Patent Company, West Orange, N. J. Lamp. 1,463,183; July 31.
Warren, Dale, Sweetwater, Tex. Road sign. 1,463,276; July 31.
Washburn Company, The. (See Andrews, Charles, jr., assignor.)
Weaser, William H., Pittsfield, Mass. Merry-go-round. 1,463,351; July 31.
Weber, Oskar H. (See Beck, A., Gersbach, and Weber.)
Wegman, Jules G., Rochester, N. Y. Pin-forming and button-pinning machine. 1,463,565; July 31.
Weiskopf, Charles H., Santa Monica, assignor to International Precipitation Company, Los Angeles, Calif. Apparatus for the electrical precipitation of suspended particles from gases. 1,463,352; July 31.
Weiss, Joseph, Chicago, Ill. Lunch heater and carrier. 1,463,411; July 31.
Welch, John T., assignor to James Heddon's Sons, Dowagiac, Mich. Fishing reel. 1,463,642; July 31.
Weller, Denver B., Washington, D. C. Safety appliance for drill chucks. 1,463,412; July 31.
Werner, Leo J., Arlington, assignor to Splitdorf Electrical Company, Newark, N. J. Distributor block and making the same. 1,463,453; July 31.
West, Victor E., McKeesport, Pa. Identification device. 1,463,755; July 31.
West Surrey Central Dairy Company, The. (See Selby-Fayers, W., and Gates, assignors.)
Westerberg, Carl A. A. (See Bore, J., and Skoglund, assignors.)
Western Electric Company Incorporated. (See Loewe, Siegmund, assignor.)
Western Electric Company Incorporated. (See Nichols, Harold W., assignor.)
Westinghouse Electric & Manufacturing Company. (See Chubb, Lewis W., assignor.)
Westinghouse Electric & Manufacturing Company. (See Clay, Noble S., assignor.)
Westinghouse Electric & Manufacturing Company. (See Kintzing, Reese T., assignor).
Westinghouse Lamp Company. (See Shackelford, Benjamin E., assignor.)
Westman, Alfred D. (See Richards, J. N., and Westman.)
Westman, William H. (See Richards, J. N., and Westman.)
Wetter, William M., assignor of one-half to L. G. Huling, Williamsport, Pa. Renewable fuse. 1,463,756; July 31.
Whalen, James W., Richmond, Ind. Automatic stop record. 1,463,235; July 31.
White, Charles C., Chicago, Ill. Built-in cabinet. 1,463,607; July 31.
White, Charles H., assignor to Deere & Company, Moline, Ill. Tool holder. 1,463,353; July 31.
White, Franklin R., assignor to The Patent Button Company, Waterbury, Conn. Button. 1,463,236; July 31.
Whitehead & Hoag Company, The. (See Draper, Harold W., assignor.)
Whitehead, Archibald C., Ipswich, England. Lamp for road vehicles and like purposes. 1,463,643; July 31.
Whitlatch, Jacob G., and O. R. Williamson, Iowa Falls, Iowa. Mud drum. 1,463,277; July 31.
Widmeyer, Charles E. (See Serrell, W. C., and Widmeyer.)
Wieland, George E. M., assignor of one-half to F. Boehmer, Baltimore, Md. Lock. 1,463,768; July 31.
Wilburger, William, Brooklyn, N. Y. Envelope for disk records. 1,463,413; July 31.
Willett, Alfred H., West New York, N. J., assignor to American Arch Company, New York, N. Y. Fire-brick arch. 1,463,184; July 31.
Williams, French B., Lufkin, Tex. Spider for cotton cleaners. 1,463,522; July 31.
Williamson Heater Company, The. (See De Camp, Ellis O., assignor.)
Williamson, Oscar G. (See Whitlatch, J. G., and Williamson.)
Wilson, Ralph W., New York, N. Y., assignor to Theodore W. Foster & Bro. Co., Providence, R. I. Container. 1,463,354; July 31.
Wilson, Ralph W., New York, N. Y., assignor to Theodore W. Foster & Bro. Co., Providence, R. I. Powder and rouge container. 1,463,355; July 31.
Winca, Emery, Cleveland, Ohio. Spark intensifier. 1,463,608; July 31.
Wingquist, Sven G., assignor to Aktiebolaget Svenska Kullagerfabriken, Gottenborg, Sweden. Machine for manufacturing toothed wheels, screw wheels, or the like. 1,463,414; July 31.
Winsor, James G., Detroit, Mich. Dump body. 1,463,185; July 31.
Winton, Alexander, Lakewood, Ohio. Piston for internal-combustion engines. 1,463,644; July 31.
Wirebounds Patents Company. (See Bombardie, Charles H., assignor.)
Wood, Callie, Reno, Nev. Flower doll. Des. 62,808; July 31.
Wood, Clarence P., Philadelphia, Pa. Fluid separator. 1,463,769; July 31.
Woodford, Bronson C., assignor to The Murray Company, Dallas, Tex. Tramper for cotton presses. 1,463,186; July 31.
Wolfe, Charles G., Mount Vernon, Ohio. Pharmaceutical preparation. 1,463,539; July 31.
Wright, James O., Atlantic City, N. J. Cotter-pin-extracting pliers. 1,463,645; July 31.
Wyatt, Alden H., Knoxville, Iowa. Photoprint drier. 1,463,757; July 31.
Wyatt, Kinchen A., Dallas, Tex. Lightning protection apparatus for oil tanks. 1,463,523; July 31.

Yeager, John D., Philadelphia, Pa. Shoe. 1,463,278; July 31.
Younger, Frank, Wallace, Calif. Sanitary dispensing apparatus. 1,463,415; July 31.
Young, Jacob, and M. L. Frakes, Hennessey, Okla. Transmission release. 1,463,237; July 31.

Zappia, Domenic, Cleveland, Ohio, assignor to Paramount Rubber Consolidated, Inc., Little Falls, N. J. Doll. Des. 62,809; July 31.
Ziegler, Everett J., Hartford City, Ind. Gearless differential transmission mechanism. 1,463,356; July 31.
Zunino, Lorenzo, Berkeley, Calif. Pedestal. Des. 62,810; July 31.

ALPHABETICAL LIST OF INVENTIONS

FOR WHICH

PATENTS WERE ISSUED ON THE 31st DAY OF JULY, 1923.

NOTE.—Arranged in accordance with the first significant character or word of the name (in accordance with city and telephone directory practice). **Includes patents, reissues, and designs.**

Acid and salts thereof, Making benzoic. E. O. Barstow. 1,463,190; July 31.
Acid, Manufacture of acetic. J. E. Haggenmacher. 1,463,209; July 31.
Acid, Manufacture of concentrated acetic. H. Howard. 1,463,212; July 31.
Aeronautical propeller. S. A. Reed. 1,463,556; July 31.
Aeroplane. G. Hamel. 1,463,694; July 31.
Aeroplanes and for other purposes, Armor for gasoline tanks of. N. W. Burgess. 1,463,498; July 31.
Aeroplanes, Landing carriage for. G. W. Kadel. 1,463,471; July 31.
Agitating machine. A. Marrazzo. 1,463,626; July 31.
Agricultural implement. H. Peterson. 1,463,485; July 31.
Air and gases from water, System for removing. R. N. Ehrhart. 1,463,158; July 31.
Air heater. B. B. Olsen. 1,463,484; July 31.
Airplanes, Safety device for. T. H. Furman. 1,463,464; July 31.
Ammonia synthesis autoclave. E. H. Arnold and W. T. Wakeford. 1,463,280; July 31.
Amusement device. B. G. Moulder. 1,463,290; July 31.
Animal trap. M. L. Greenstreet and W. Day. 1,463,163; July 31.
Antiskid chain. B. J. Duehr. 1,463,681; July 31.
Auto rear signal lamp. L. Lapidus. Des. 62,783; July 31.
Automobile bumper. C. H. Hathaway and W. A. Starck. 1,463,581; July 31.
Automobile, etc., lubricating device. R. B. Hanscom. 1,463,421; July 31.
Automobile fenders, Emblem holder for. M. E. Theiss. 1,463,409; July 31.
Automobile radiators, Cooker attachment for. C. M. Daly. 1,463,576; July 31.
Automobile shock absorber. A. D. Pidgeon. 1,463,660; July 31.
Automobile signal. A. L. McMurtry. 1,463,430; July 31.
Automobile top, Collapsible. J. Botella. 1,463,193; July 31.
Automobile turning signal. C. R. Kositzky. 1,463,425; July 31.
Automobile vehicles, Compressor arrangement for the motors of. P. Daimler. 1,463,256; July 31.
Automobile wheels and spokes, Shackle for. E. E. Chapman. 1,463,387; July 31.
Automobiles or the like, Detachable armrest for. L. S. Paddock. 1,463,293; July 31.
Axle structure, Roller and ball bearing. F. J. Cochran. 1,463,196; July 31.

Badge and analogous device. H. W. Draper. 1,463,739; July 31.
Bank-protecting device. C. A. Mazzie. 1,463,368; July 31.
Barrel for locks. A. Borelli. 1,463,495; July 31.
Bearing, Roller side. A. Stucki. 1,463,602; July 31.
Bearings, Ball cage for radial ball. E. Staake. 1,463,299; July 31.
Bed bottoms, Auxiliary spring attachment for spring. S. Rosenbloom. 1,463,295; July 31.
Bed, Cooling. G. M. Smith. 1,463,634; July 31.
Bedcover fastener, Adjustable. J. A. Petzold. 1,463,402; July 31.
Bed, Folding and tent. R. B. Hosner. 1,463,267; July 31.
Bedstead frame. C. A. Stuart. Des. 62,806–7; July 31.
Belt. L. A. Lasater. 1,463,553; July 31.
Belt attachment. S. Newman. 1,463,172; July 31.
Belt, Transmission. J. W. Schade. 1,463,596; July 31.
Benzoates and benzoic acid from dibenzyl, Preparation of. G. O. Curme, jr., and H. B. Heyn. 1,463,255; July 31.
Bin: *See*—
  Storage bin.
Bit: *See*—
  Underdrilling bit.
Block: *See*—
  Sheave block.
Boat, Life-saving. A. Baumgart. 1,463,662; July 31.
Bobbin. F. Edmands. 1,463,205; July 31.
Boiler-tube cleaner. A. F. Krause. 1,463,587; July 31.
Boiler: *See*—
  Locomotive boiler. Steam and water boiler.
Boilers, pipes, and the like, Covering for. E. Spicer. 1,463,298; July 31.
Bolt. G. E. Carter. 1,463,572; July 31.
Book holder. M. J. Caffrey. 1,463,668; July 31.
Bootblack stands and the like, Suction support for. G. Schonsteiner and T. E. Michael. 1,463,631; July 31.
Boring head. J. H. Frey and J. N. Kaiser. 1,463,686; July 31.
Bottle. W. B. Marble. Des. 62,784–5; July 31.
Bottle. H. K. Quan. Des. 62,804; July 31.
Bottle-cleaning apparatus. C. H. Lowe and J. R. Gruetter. 1,463,763; July 31.
Bottle opener, Nonsplash. J. O. Remillard. 1,463,536; July 31.
Bottle, Paper milk. R. M. Oliver. 1,463,437; July 31.
Bottle stopper. V. E. Dance. 1,463,198; July 31.
Bottles and the like, Stopper for. H. J. Bragdon. 1,463,570; July 31.
Box: *See*—
  Folding box. Vanity box.
  Safety deposit box.
Box-making machine. E. D. Anderson and C. Beckmann. 1,463,454; July 31.
Box-making machine, Pasteboard-. A. A. Arnold. 1,463,567; July 31.
Boxes and crates, Machine for making. J. Shellenberger. 1,463,727; July 31.
Boxes, Machine for use in making. C. H. Bombardie. 1,463,382; July 31.
Bracket for supporting objects, and especially for securing number plates. A. W. Cordes. 1,463,358; July 31.
Brake. E. R. Evans. 1,463,159; July 31.
Brake iron. S. L. Hall. 1,463,693; July 31.
Brake rods, Fixture for. I. C. Shuster. 1,463,557; July 31.
Brick, Arch. G. C. Denney. 1,463,156; July 31.
Brick arch, Fire-. A. H. Willet. 1,463,184; July 31.
Brief case. S. H. Lifton. 1,463,270; July 31.
Broaching tool. F. J. Lapointe. 1,463,473; July 31.
Brick, Channel. A. Hardoncourt. 1,463,697; July 31.
Brush, Folding shoe. G. W. Campbell. 1,463,669; July 31.
Brushing machine. H. M. Keith. 1,463,705; July 31.
Buckle. N. T. Nelson. 1,463,657; July 31.
Burner: *See*—
  Gas burner. Oil burner.
Burner tip. J. H. Grayson. 1,463,263; July 31.
Bust confiner and reducer. J. L. Holt. 1,463,424; July 31.
Button. F. R. White. 1,463,236; July 31.
Button hook, Collar-. C. Neumann. 1,463,400; July 31.

Cabinet. J. J. Lane. 1,463,511; July 31.
Cabinet, Built-in. C. C. White. 1,463,607; July 31.
Cabinet, Storing and preserving. K. Otsuki. 1,463,723; July 31.
Calendar-pad retainer. B. H. Harris. 1,463,210; July 31.
Camera. S. Snowden. 1,463,446; July 31.
Can ends, Method of and apparatus for gasket lining. I. D. Thornburgh. 1,463,519; July 31.
Can feeding and timing device. H. L. Guenther. 1,463,527; July 31.
Canned goods, Applying labels to. W. C. Hart. 1,463,265; July 31.
Caps, Forging insulator. C. W. Stover. 1,463,601; July 31.
Carbonizing furnace. N. Olsen. 1,463,438; July 31.
Car, Box. O. J. Parks. 1,463,173; July 31.
Carburetors, Electric heating attachment for. J. E. Godman and J. M. Garr. 1,463,774; July 31.
Car door, Grain-. W. M. Combs. 1,463,772; July 31.
Car door, Grain-. A. Pokorny. 1,463,724; July 31.
Car-end construction. I. Everett. 1,463,773; July 31.
Car framing, Composite. B. W. Kadel. 1,463,703; July 31.
Car signal, Freight-. N. E. Hayward. 1,463,467; July 31.
Car unloader. F. E. Townsend. 1,463,302; July 31.
Cars, Safety device against the theft of motor. A. and V. Lauritzen. 1,463,218; July 31.
Cars, Safety device for elevator. H. S. Snead. 1,463,297; July 31.
Cars, Ventilating apparatus for Pullman. E. A. Robinson. 1,463,294; July 31.
Card, Display. C. B. Kellogg. 1,463,585; July 31.
Card holder, Mass-. V. E. Cook and L. R. H. Burton. Des. 62,772; July 31.
Cardease. P. A. Gardner. 1,463,619; July 31.
Carrier: *See*—
  Curtain carrier. Lunch heater and carrier
Carton-sealing mechanism. M. J. Milmoe. 1,463,627; July 31.

Cartridge-loading press. P. M. Talcott. 1,463,603; July 31.
Case: *See*—
  Brief case. Vanity case.
Cash register. E. Breitling and E. Ostemeyer. 1,463,185; July 31.
Caster. W. F. Herold. 1,463,266; July 31.
Casting oxidizable metals. A. Beck, K. Gersbach, and O. H. Weber. 1,463,609; July 31.
Catalyst and making same. H. D. Gibbs. 1,463,206; July 31.
Chain-making apparatus. J. Johnson. 1,463,469; July 31.
Chain-welding machine. J. L. Mueller. 1,463,714; July 31.
Check-controlled mechanism. H. M. Walker. 1,463,521; July 31.
Chuck. G. K. Schieldge. 1,463,176; July 31.
Chucks, Safety appliance for drill. D. B. Weller. 1,463,412; July 31.
Circuits, Ringing arrangement for multiplex. J. Davidson, jr. 1,463,199–200; July 31.
Clamp. J. L. Taylor. 1,463,564; July 31.
Clamp-bolt lock. F. Lummer. 1,463,622; July 31.
Cleaner: *See*—
  Boiler-tube cleaner. Windshield cleaner.
  Spark-plug cleaner.
Clothes drier. E. O. De Camp. 1,463,615; July 31.
Clothesline fastener. E. Bear. 1,463,456; July 31.
Clothespin. P. Campbell. 1,463,670; July 31.
Closure, Foldable. F. G. Walker. 1,463,346–7; July 31.
Closure plug. E. L. Laufair. 1,463,426; July 31.
Clutch mechanism. G. Slider. 1,463,490; July 31.
Clutch, Power-transmission. O. L. Lewis. 1,463,327; July 31.
Coating and binding fabrics, Composition for. H. Frood. 1,463,780; July 31.
Coating, Apparatus for applying. L. H. Parker and H. W. Day. 1,463,332; July 31.
Coating device. C. H. Macdonald and L. L. Saifsberg. 1,463,476; July 31.
Coating machine. C. L. Hooper, R. F. Sutherland, and A. W. Parkhouse. 1,463,362; July 31.
Coin vending machine. G. C. Reith. 1,463,486; July 31.
Combination tool. H. Schuetz. 1,463,374; July 31.
Combination tool. W. A. Shields. 1,463,375; July 31.
Commutators, hip rings, drums, and the like, Apparatus for truing up. A. Norrel. 1,463,224; July 31.
Compression coupling. J. H. Funk. 1,463,261; July 31.
Concrete mains, Service connection for. C. F. Buente. 1,463,148; July 31.
Condenser. J. G. Hunter. 1,463,468; July 31.
Condenser. N. W. Kruse and V. L. Gaddy. 1,463,216; July 31.
Condenser, Electrolytic. L. W. Chubb. 1,463,152; July 31.
Condiment holder. G. A. Baeder. 1,463,543; July 31.
Connection protector. E. C. Gnau. 1,463,208; July 31.
Container. A. H. Bosworth. 1,463,663; July 31.
Container. R. W. Wilson. 1,463,354; July 31.
Control system. R. T. Kintzing. 1,463,168; July 31.
Cooker, Mechanical. C. H. Fulson. 1,463,526; July 31.
Capping apparatus. W. V. Derby. 1,463,257; July 31.
Corset and abdominal support. S. H. Camp. 1,463,252; July 31.
Cotton cleaners, Spider for. F. B. Williams. 1,463,522; July 31.
Coupling: *See*—
  Compression coupling. Elastic Oldham coupling.
Coupon-cutting machine. H. N. Hellman. 1,463,393; July 31.
Crate. W. W. Leach. 1,463,512; July 31.
Cream and butter fat, Deodorizing and improving the quality of. E. M. Davis. 1,463,309; July 31.
Crib, Portable. D. D. Comstock. 1,463,459; July 31.
Crusher, Fruit. R. Baccellieri. 1,463,238; July 31.
Crutch seat. H. D. Coleman. 1,463,675; July 31.
Crystal detectors, Mounting for stems of. A. N. Pierman. 1,463,554; July 31.
Current rectifier, Alternating-. V. F. King. 1,463,779; July 31.
Curtain carrier, Adjustable. H. N. May. 1,463,711; July 31.
Curtain, Protective. I. Neft and H. P. Nass. 1,463,431; July 31.
Curtain support and shade holder. J. W. Johnson and J. W. Nolde. 1,463,702; July 31.
Cutter: *See*—
  Leather cutter.
Cutting and kneading machine, Universal. L. Negro. 1,463,720; July 31.
Cutting machine. R. C. Simmons. 1,463,229; July 31.
Cutting mechanism. E. Cheshire. 1,463,545; July 31.
Cycles of compression, expansion, combustion, suction, exhaust, and the like, Apparatus for performing. C. Chilowsky. 1,463,646; July 31.
Cylinder, Air-cooled. S. R. Saunders. 1,463,595; July 31.

Desk cabinet, Invertible. W. G. Moore. Des. 62,792; July 31.
Desk, Convertible. A. Mitchell. 1,463,289; July 31.
Desk organizer. R. J. Turner. 1,463,733; July 31.
Developing apparatus. L. W. Shannon. 1,463,489; July 31.
Dipper tooth, Extensible, reversible, and self-sharpening. J. F. Pryor. 1,463,725; July 31.
Dish, bowl, or similar article. W. D. Havilland. Des. 62,776; July 31.
Disk records, Envelope for. W. Wilburger. 1,463,413; July 31.
Disks in centrifugal separators, Separating. L. Rasch. 1,463,752; July 31.
Display-case warmer. A. G. Stephens. 1,463,179; July 31.
Display device. J. E. and F. S. Gee. 1,463,740; July 31.
Display device. R. H. Johnson. 1,463,470; July 31.
Distributor block and making the same. L. J. Werner. 1,463,453; July 31.
Ditching machines, Tile-placing attachment for. J. Sommer. 1,463,561; July 31.
Doffing and donning mechanism. H. P. Eanes. 1,463,462; July 31.
Doffing and donning mechanism. W. W. Miller. 1,463,475; July 31.
Doll. D. Zappia. Des. 62,809; July 31.
Doll, Flower. C. Wood. Des. 62,808; July 31.
Door-opening appliance. T. F. Coss. 1,463,647; July 31.
Draft regulator. V. B. Carr and S. H. Broshar. 1,463,671; July 31.
Drier: *See*—
  Clothes drier. Photoprint drier.
Drills, Power lift for grain. C. R. Davis. 1,463,612–13; July 31.
Drum, Mud. J. G. Whitlatch and O. R. Williamson. 1,463,277; July 31.
Dump body. J. G. Winsor. 1,463,185; July 31.
Eccentric hook. R. E. Anthony. 1,463,381; July 31.
Egg beater. A. F. Anderson. 1,463,493; July 31.
Elastic Oldham coupling. F. Kratz. 1,463,396; July 31.
Elastic woven fabric. G. C. and T. F. Moore. Des. 62,791; July 31.
Electric furnace. C. L. Lee. 1,463,513; July 31.
Electric furnace, Sectional. E. L. Smalley. 1,463,559; July 31.
Electric-generator-operating means. E. B. Nowosielski. 1,463,436; July 31.
Electric heater. W. A. Rankin. 1,463,630; July 31.
Electric meter, Automatic. M. O. S. Madsen. 1,463,170; July 31.
Electrode, Therapeutic. E. C. Hanson and W. L. Carlson. 1,463,392; July 31.
Engine: *See*—
  Internal-combustion engine.
Engine-starter gearing. M. L. Hillmer and L. O. Parker. 1,463,211; July 31.
Engines, Air cleaning and heating attachment for internal-combustion. F. H. Adams. 1,463,416; July 31.
Engines, Piston for internal-combustion. A. Winton. 1,463,644; July 31.
Engines, Reatomizer attachment for internal-combustion. J. D. Bridgers. 1,463,496; July 31.
Engines, Temperature regulator for cooling systems of internal-combustion. L. W. Jones. 1,463,510; July 31.
Engines, Timing device for internal-combustion. A. A. Lazier. 1,463,474; July 31.
Engines, Unitary transmission and pump for motor-driven fire. C. E. Bathrick. 1,463,569; July 31.
Envelope, postal wrapper, or the like. A. Samuel. 1,463,442; July 31.
Extraction apparatus. E. H. Cummins. 1,463,154; July 31.
Fan structure. N. S. Clay. 1,463,153; July 31.
Fabric: *See*—
  Coated fabric.
Feed regulator. C. Beckmann. 1,463,457; July 31.
Feeder, Percentage. A. D. MacLellan. 1,463,777; July 31.
Feeders, Individual sheet and envelope separators for pneumatic. C. H. Martin. 1,463,329; July 31.
Fender or bumper, Spring. W. G. Cox. 1,463,308; July 31.
Firearm. E. A. Fairbanks. 1,463,160; July 31.
Fire escape. A. J. M. Barthelemy, dit Paul Cans. 1,463,149; July 31.
Fireproof tank. W. S. Huff. 1,463,268; July 31.
Fishing reel. J. T. Welch. 1,463,642; July 31.
Floor plate. J. E. Erskine. 1,463,359; July 31.
Floor slab. F. Lichtenberg and M. M. McCarthy. 1,463,621; July 31.
Flotation apparatus. J. P. Ruth, jr. 1,463,405; July 31.
Flower pot. W. H. Cochran. Des. 62,770; July 31.
Flue top. L. H. Bowman. 1,463,664; July 31.
Fluid-registering mechanism. C. F. MacGill. 1,463,534; July 31.
Fluid separator. C. P. Wood. 1,463,769; July 31.
Flytrap. J. M. Paul. 1,463,659; July 31.
Folding box. E. L. Stern. 1,463,448; July 31.
Food molding and wrapping machine, Automatic. W. Stricker. 1,463,636; July 31.
Frame: *See*—
  Mattress frame.
Freight-transferring system. R. C. Sibley. 1,463,558; July 31.
Frictional and wearing purposes, Material for. H. Frood. 1,463,506; July 31.
Fuel, Burning pulverized. H. Kreisinger. 1,463,283; July 31.
Fuel economizer. V. E. Morrison. 1,463,481; July 31.
Furnace: *See*—
  Carbonizing furnace. Electric furnace.
Furnaces, Radiator structure for. W. H. Wahl. 1,463,410; July 31.

Furnaces, Suspended arch construction for. F. B. Bigelow. 1,463,240–1; July 31.
Furniture, Method and means for making upholstered. D. Popkin. 1,463,334; July 31.
Fuse, Detonating. R. L. Lowman. 1,463,747; July 31.
Fuse, Renewable. W. M. Wetter. 1,463,756; July 31.
Gaiter. H. P. Brown. 1,463,357; July 31.
Game. C. F. Cullen. 1,463,388; July 31.
Game, Ricochet ball. E. Rottmann. 1,463,726; July 31.
Garment-pressing machine. C. Lavier. 1,463,397; July 31.
Garment supporter. J. S. Wallingford. 1,463,380; July 31.
Gas burner. W. V. Robinson. 1,463,592; July 31.
Gases, Apparatus for electrical precipitation of suspended particles from. C. H. Weiskopf. 1,463,352; July 31.
Gases, Drying. E. H. Arnold and W. T. Wakeford. 1,463,279; July 31.
Gate: *See*—
Railway-crossing gate.
Gauge: *See*—
Micrometer gauge.
Gear-assembling device. C. A. Johnson. 1,463,269; July 31.
Gear-case sprayers, Oil-flow indicator for. G. Paterson and C. Thew. 1,463,174; July 31.
Gear mechanism, Power-transmission-. W. B. Fageol. 1,463,389; July 31.
Gear mechanism, Reduction-. A. C. Stahl. 1,463,447; July 31.
Gear, Reversing. L. Thallmayer. 1,463,638; July 31.
Gear specially applicable to motor-propelled cycles, Driving. G. M. Cameron-Cowburn. 1,463,610; July 31.
Gear teeth, Apparatus for testing the contours of. C. J. Harter. 1,463,580; July 31.
Gear, Variable-speed. J. A. and W. D. Miller. 1,463,287; July 31.
Glass, Cupping. J. Catenia. 1,463,458; July 31.
Glass, Drawing continuous sheet. L. D. Soubier. 1,463,273; July 31.
Glass-drawing machines, Changing bending rollers in sheet-. R. P. Callard. 1,463,261; July 31.
Glass sheets, Drawing. H. K. Hitchcock. 1,463,582; July 31.
Golf club. C. A. Kurz, jr. 1,463,533; July 31.
Graduating appliance. H. N. Halversen. 1,463,317; July 31.
Grain sprouter, Sectional. C. C. Newport. 1,463,223; July 31.
Grapefruit corer. C. J. Ulrich. 1,463,233; July 31.
Grinding machine. O. F. Iresbrey. 1,463,335; July 31.
Grinder, Power-driven. W. E. Kidney. 1,463,324; July 31.
Gun, Gasoline. E. M. Thomas. 1,463,518; July 31.
Hair curler. G. C. Lewis. 1,463,746. July 31.
Hammer. H. E. Keyes. 1,463,167; July 31.
Hammers, Adjustable guide for. S. Paul. Re15,666; July 31.
Hammering apparatus. W. Y. Stroh and G. W. Klages. 1,463,180; July 31.
Hammock. H. E. Burroughs. 1,463,499–500; July 31.
Handle. W. A. Somers. 1,463,341; July 31.
Hay sweep. L. J. Jenson. 1,463,584; July 31.
Heading machines and the like, Blank carrier for. A. W. Jansson. 1,463,323; July 31.
Headlight. W. F. Doran. 1,463,524–5; July 31.
Headlight. C. H. Fisher. 1,463,685; July 31.
Heater: *See*—
Air heater. Liquid heater.
Electric heater. Steam superheater.
Heater. E. D. Stout. 1,463,730; July 31.
Heel of the embedded-washer type, Detachable shoe. C. W. Lavers. 1,463,428; July 31.
Heel of the plate type, Detachable shoe. C. W. Lavers. 1,463,427; July 31.
Hoist for vehicle bodies. H. C. Struchen. 1,463,637; July 31.
Hog holder and pig puller. E. G. Knudtston. 1,463,776; July 31.
Hook: *See*—
Buttonhook. Eccentric hook.
Hopper, Attachable. M. L. Trimmer. 1,463,232; July 31.
Husking machine. F. H. Knapp. 1,463,364; July 31.
Identification device. V. E. West. 1,463,755; July 31.
Igniter, Mechanical. A. L. Powell. 1,463,751; July 31.
Ignition apparatus. O. F. Conklin. 1,463,197; July 31.
Incinerating apparatus, Garbage and sewage. J. C. Curry. 1,463,761; July 31.
Inclosed switch. J. E. Carr. 1,463,151; July 31.
Indicating device. P. G. Jacobson. 1,463,321; July 31.
Ingots, Means to compress. A. A. Claassen. 1,463,771; July 31.
Inner tube. G. A. Lane. 1,463,742; July 31.
Integral stop. P. Mueller and A. C. Schuermann. 1,463,370; July 31.
Internal-combustion engine. V. W. Kliesrath. 1,463,586; July 31.
Internal-combustion motor. F. Stoner and C. H. W. Aitken. 1,463,231; July 31.
Iron: *See*—
Brake iron.
Iron, Manufacturing wrought. A. Sauvenr. 1,463,228; July 31.
Jack: *See*—
Lifting jack.
Jack, Pneumatic. A. E. McNulty. 1,463,654; July 31.
Japanning apparatus. D. F. Domizi. 1,463,313; July 31
Joint: *See*—
Pipe joint. Rail scarf joint.
Rail joint. Universal joint.
Kettles by zones, Temperature control of. J. G. Lehman. Re. 15,665; July 31.
Key support, Yoke-. E. Posson. 1,463,555; July 31.
Kiln system, Cement-. D. S. Jacobus. 1,463,363; July 31.
Kitchen table. A. T. Holton. 1,463,701; July 31.
Knife. T. Champlin. 1,463,573; July 31.
Knife, Pile-cutter. T. Bachofen. 1,463,239; July 31.
Knitting machines, Lace attachment for. E. O. Nebel. 1,463,719; July 31.
Knitting machines, Stop motion for. E. S. Hineline. 1,463,741; July 31.
Lace. T. Monk. Des. 62,790; July 31.
Lace. S. H. Page. Des. 62,794–802; July 31.
Lacing device, Easy-. L. Funck. 1,463,579; July 31.
Lamp. S. G. Warner. 1,463,183; July 31.
Lamp, Aircraft. A. L. Davis. 1,463,677–8; July 31.
Lamp-bulb installing and removing device. H. D. Grinnell. 1,463,466; July 31.
Lamp, Electric incandescent. B. E. Shackelford. 1,463,178; July 31.
Lamp for road vehicles and like purposes. A. C. Whitehead. 1,463,643; July 31.
Lamp-shade panel. H. J. O'Boyle. 1,463,722; July 31.
Latch. S. D. Butterworth. 1,463,385; July 31.
Lathe. N. F. Fretter. 1,463,505; July 31.
Lathes, semiautomatic lathes, and the like, Driving mechanism for transverse supports or slides in revolver. F. R. Deuring. 1,463,201; July 31.
Leaks, Device for preventing. C. Pollak. 1,463,749; July 31.
Leather cutter. T. M. Dillinger. 1,463,312; July 31.
Leather, Method of and apparatus for finishing. A. A. Angell. 1,463,542; July 31.
Lens. F. Plaszek. Des. 62,803; July 31.
Level. W. M. Dickinson. 1,463,738; July 31.
Leveling device. J. E. Long. 1,463,515; July 31.
Lever. W. L. Paul. 1,463,333; July 31.
Lifter: *See*—
Valve-spring lifter.
Lifting jack. A. L. Stanford. 1,463,635; July 31.
Light: *See*—
Vault light.
Light-projecting apparatus. D. J. McCarthy. 1,463,623; July 31.
Light reflector. C. M. Cole. 1,463,546; July 31.
Lighting fixture. P. Mohrmann. Des. 62,789; July 31.
Lighting-fixture arm. W. J. Grady. Des. 62,773; July 31.
Lighting-fixtures arm. H. M. Kofsky. Des. 62,781; July 31.
Lighting-fixture arm. A. Miller. Des. 62,788; July 31.
Lighting-fixture suspension strap. A. Miller. Des. 62,787; July 31.
Lighting-fixtures, Body shell for. G. Ainsworth. Des. 62,768; July 31.
Lighting fixtures, Wall plate for. G. Ainsworth. Des. 62,767; July 31.
Liquid containers, Combined closure and faucet for. H. O. Varrieur. 1,463,735; July 31.
Liquid-feeding device. L. A. Dunajeff. 1,463,683; July 31.
Liquid heater, Electric. F. E. G. Elsselt. 1,463,617; July 31.
Loading machine. R. P. Greenleaf. 1,463,550; July 31.
Lock: *See*—
Clamp-bolt lock. Vehicle lock.
Nut lock. Window lock.
Pedal lock.
Lock. G. E. M. Wieland. 1,463,768; July 31.
Locomotive boiler. J. J. Cain. 1,463,250; July 31.
Locomotive boilers or the like, Steam cleansing device for. J. Bore and A. Skoglund. 1,463,494; July 31.
Loom attachment. J. L. Davis and L. D. Cooley. 1,463,614; July 31.
Loom, Automatic. J. Northrop. 1,463,435; July 31.
Loom, Feeler. J. Northrop. 1,463,292; July 31.
Looms, Filling-end controller for. C. H. Draper. 1,463,203; July 31.
Looms, Let-off mechanism for. R. H. Gilfillan. 1,463,207; July 31.
Looms, Take-up mechanism for. J. Northrop. 1,463,226; July 31.
Lubricating device. E. R. Bales. 1,463,661; July 31.
Lubricating device. R. T. Newton. 1,463,765; July 31.
Lunch heater and carrier. J. Weiss. 1,463,411; July 31.
Machine tool. R. C. Monahan. 1,463,764; July 31.
Manicure implement. J. O. Landis. Re15,663; July 31.
Manure loader and spreader, Combined. H. H. Varland. 1,463,492; July 31.
Mask, Breath. A. Fernandes. 1,463,390; July 31.
Match-box attachment. A. G. Mackey. 1,463,517; July 31.
Mattress frame. F. G. Gale. 1,463,161; July 31.
Measuring device, Liquid-. O. P. M. Pfaffenberger. 1,463,591; July 31.
Measuring instrument, Electric. W. M. Scott and R. E. Treslse. 1,463,597; July 31.

Measuring machines, Adjusting. J. T. Pedersen. 1,463,589; July 31.
Merry-go-round. W. H. Weaser. 1,463,351; July 31.
Metal, Balling scrap. J. M. Sellers. 1,463,339; July 31.
Metal-bending machine, Sheet-. C. P. Buck. 1,463,383; July 31.
Metal mold. H. H. Brand. 1,463,247; July 31.
Metal-twisting mechanism. R. R. Rust. 1,463,594; July 31.
Metallic denture backing. R. M. Craig. 1,463,548; July 31.
Meter: *See*—
Electric meter.
Meter counterhousing, Condensation-. J. V. Redfield. 1,463,404; July 31.
Micrometer gauge. C. A. Clase. 1,463,673; July 31.
Milk containers, Cream separator for. J. Maier, N. Lenz, and C. E. Radmer. 1,463,625; July 31.
Minerals, Electromagnetic separation or concentration of. W. M. Mordey. 1,463,715; July 31.
Mixing machine. F. X. Lauterbur. 1,463,744; July 31.
Mixing machines, Whip for. P. S. Ward. 1,463,736; July 31.
Mold: *See*—
Metal mold.
Mop wringer. E. P. Poulsen. 1,463,750; July 31.
Motor: *See*—
Internal-combustion motor.
Motor support. W. C. Serrell and C. E. Widmeyer. 1,463,406; July 31.
Motor support, Flexible. W. I. Ballentine. 1,463,568; July 31.
Musical instrument, Foot-operated. F. T. Ingersoll. 1,463,509; July 31.
Navigating instrument. H. C. Roeser. 1,463,373; July 31.
Neckband former. C. E. Waream and D. H. Benjamin. 1,463,606; July 31.
Negatives, Illuminating device for the examination of. E. B. Mahee. 1,463,624; July 31.
Nozzle, Adjustable forming outlet. A. and G. Sharp. 1,463,407; July 31.
Numbers, Index for. O. L. Moore. 1,463,656; July 31.
Nut lock. M. G. Stackhouse. 1,463,377; July 31.
Obstetric apparatus. K. Scholz. 1,463,177; July 31.
Oil burner. M. J. Jardee and R. J. Cowell. 1,463,651–2; July 31.
Oil tanks, Lightning protection apparatus for. K. A. Wyatt. 1,463,523; July 31.
Optometrists, Identification sign for. E. F. Collins. Des. 62,771; July 31.
Oven, Baker's. W. Dredge. 1,463,616; July 31.
Overalls, Bib. W. C. Mastin. 1,463,748; July 31.
Package-wrapping machine. W. B. Munn. 1,463,716; July 31.
Packer and hitch therefor. J. Bley. 1,463,243; July 31.
Packing. C. F. Schwennker. 1,463,488; July 31.
Pad: *See*—
Presser pad. Stamp pad.
Padlock, Push-key combination. C. J. Squires. 1,463,230; July 31.
Paper carton. L. Kuhn. Des. 62,782; July 31.
Paper, Dispensing packet for waxed. W. B. Collins. 1,463,503; July 31.
Paper-making machine, Cylinder. G. L. Bidwell. 1,463,544; July 31.
Partition. J. E. Brady. 1,463,246; July 31.
Paste, Adhesive. B. L. Pickard. 1,463,403; July 31.
Pasteboard boxes, Wrapping mechanism for. G. J. Thust. 1,463,639; July 31.
Pedal lock. G. E. Custer. 1,463,676; July 31.
Pedestal. L. Zunino. Des. 62,810; July 31.
Pen, Ruling. E. Lawrenz. 1,463,285; July 31.
Pharmaceutical preparation. C. G. Wolfe. 1,463,539; July 31.
Phonograph. B. H. Dietz and A. E. Hansen. 1,463,311; July 31.
Photo-enlarging machine. R. D. Gray. 1,463,689; July 31.
Photographic film and plate holder. R. C. Matson. 1,463,710; July 31.
Photoprint drier. A. H. Wyatt. 1,463,757; July 31.
Pianos and for other purposes, Pedal device for. B. H. Jefferson and W. I. Kirk. 1,463,166; July 31.
Pianos, Expression device for player. O. E. Wall. 1,463,234; July 31.
Pianos, Pneumatic control device for player. O. E. Wall. 1,463,275; July 31.
Picture devices, Film winding and delivery means for motion-. L. B. Larsen and O. J. Holmes. 1,463,620; July 31.
Picture-projecting machine, Motion-. W. J. Blankenberg. 1,463,417; July 31.
Pictures, Music cue sheet for motion. M. J. Mintz. 1,463,288; July 31.
Pin-forming and button-pinning machine. J. G. Wegman. 1,463,565; July 31.
Pipe: *See*—
Tobacco pipe.
Pipe, Extension filler. W. J. Douglas. 1,463,202; July 31.
Pipe joint, Invisible. G. Hall. 1,463,692; July 31.
Piping and fitting therefor, Sanitary. W. J. Davis. 1,463,461; July 31.
Piston and cylinder fitting compound. C. G. Buttenfield. 1,463,501–2; July 31.
Piston and piston packing ring, Metallic. J. E. Butler. 1,463,667; July 31.
Piston for internal-combustion engines, Two-part. J. Bolan. 1,463,245; July 31.
Pistons, Check-valve-control means for. F. L. Mumford. 1,463,628; July 31.
Pivot mounting. H. O. Hem. 1,463,423; July 31.
Plate or similar article. W. D. Haviland. Des. 62,774–5; July 31.
Plate, Striker. S. D. Butterworth. 1,463,384; July 31.
Pliers, Cotter-pin-extracting. J. O. Wright. 1,463,645; July 31.
Plow, Wheel. W. H. Silver. 1,463,376; July 31.
Plow, Wheel. C. G. Strandlund. 1,463,378–9; July 31.
Pocketbook. B. Stember. 1,463,729; July 31.
Posts, flagstaffs, and the like, Base for. J. Mühlow. 1,463,715; July 31.
Potassium and aluminum from silicates, Recovering soluble compounds of. B. F. Halvorsen. 1,463,508; July 31.
Powder and rouge container. R. W. Wilson. 1,463,355; July 31.
Power press. F. H. Ragan. 1,463,272; July 31.
Power transmission, Electrically-controlled. M. Taigman. 1,463,449; July 31.
Power-transmission mechanism. B. C. Smith. 1,463,445; July 31.
Press: *See*—
Cartridge-loading press. Printing press.
Power press.
Presser pad. H. Gordon. 1,463,688; July 31.
Presses, Tramper for cotton. B. C. Woodford. 1,463,186; July 31.
Priming device. A. R. Mead. 1,463,712; July 31.
Prints and the like, Frame for framing. J. H. Carlsen. 1,463,150; July 31.
Printing machine. W. D. Frank and F. M. Case. 1,463,504; July 31.
Printing machine, Positive-films-. A. L. V. C. Debrie. 1,463,737; July 31.
Printing press, Offset. B. D. Stevens, C. Henderson, and W. Saxon. 1,463,562; July 31.
Printing presses, Mounting and operating mechanism for reciprocating beds of. B. D. Stevens and E. F. Dudley. 1,463,274; July 31.
Propeller. R. Pike. 1,463,441; July 31.
Pulley, Wood and other. W. E. Ward and M. J. Barre. 1,463,641; July 31.
Pulp dehydrator. R. A. North. 1,463,721; July 31.
Pulp or other plastic material, Mold and process for forming articles from. S. Cooper. 1,463,575; July 31.
Pump, Dispensing. J. B. Davis. 1,463,310; July 31.
Pumping apparatus. S. D. Black and A. G. Decker. 1,463,305; July 31.
Radiotelegraph system. W. L. Carlson and E. C. Hanson. 1,463,386; July 31.
Radiotelegraph system. E. C. Hanson and W. L. Carlson. 1,463,391; July 31.
Rail anchor. H. Stephens. 1,463,343; July 31.
Rail anchor, Tie-plate. H. Stephens. 1,463,344; July 31.
Rail, Guide. C. J. Hohman, sr. 1,463,319; July 31.
Rail joint. F. B. Elliott. 1,463,618; July 31.
Rail scarf joint. J. Doktor. 1,463,680; July 31.
Rail switch. O. P. Smith. 1,463,560; July 31.
Railway-crossing gate. J. R. Vandivier and G. R. Hunt. 1,463,520; July 31.
Railway-crossing signal. E. M. Bock. 1,463,758; July 31.
Railway switch. J. J. Ronders. 1,463,227; July 31.
Ranges, Ventilator attachment for. B. Biggs. 1,463,242; July 31.
Receptacle. H. Simon. 1,463,296; July 31.
Receptacle or package. I. McColl. 1,463,516; July 31.
Reel: *See*—
Fishing reel. Wire reel.
Refrigerating apparatus. L. G. Copeman. 1,463,419; July 31.
Refrigerator. K. Gross. 1,463,264; July 31.
Refractory products from dolomite, Manufacture of. C. A. Longbottom and F. L. Duffield. 1,463,399; July 31.
Register: *See*—
Cash register.
Register wall guard. E. G. Heartick. 1,463,318; July 31.
Regulator: *See*—
Feed regulator. Window regulator.
Draft regulator.
Resilient wheel. M. J. Duffy. 1,463,682; July 31.
Resilient wheel. A. A. Mendenhall. 1,463,369; July 31.
Return connections, Manufacture of. J. Lenté. 1,463,762; July 31.
Rim, Demountable. A. L. Fouché. 1,463,260; July 31.
Rim stand, Demountable-. L. J. Genett. 1,463,465; July 31.
Rim, Wheel. E. Dettelbach. 1,463,549; July 31.
Ring: *See*—
Sealing ring.
Ring-display holder. A. Meng. Des. 62,786; July 31.
Roofs, Securing shingles to. W. J. Mountford. 1,463,482; July 31.
Room, Restaurant. E. R. Smith. 1,463,633; July 31.
Rubber compounds, Filler and accelerator for. A. W. Gould. 1,463,781; July 31.
Safety deposit box. J. Voss. 1,463,182; July 31.
Sandal. P. Carrington. 1,463,672; July 31.
Sand-handling apparatus. J. Grunt. 1,463,691; July 31.

Sanitary dispensing apparatus. F. Younger. 1,463,415; July 31.
Saw tooth. J. H. Miner. 1,463,480; July 31.
Scale beam. E. E. Burrows. 1,463,249; July 31.
Scale, Recording. A. M. Bates. 1,463,770; July 31.
Scale, Recording. E. G. Thomas. 1,463,450; July 31.
Scraper. J. W. Layne. 1,463,745; July 31.
Scraper, Automatic wheeled. J. R. Grayson. 1,463,690; July 31.
Screw driver, Ratchet. H. D. Chapman. 1,463,418; July 31.
Screw-feeding device. S. E. Schroeder. 1,463,338; July 31.
Screw studs, Apparatus for the insertion of. E. Bugatti. 1,463,497; July 31.
Seal-press identification. M. H. Jackson. 1,463,322; July 31.
Sealing device, Electric. W. Reusch. 1,463,336; July 31.
Sealing machine. S. Cooper. 1,463,460; July 31.
Sealing ring. L. Foote. 1,463,360; July 31.
Separator: *See*—
Fluid separator.
Sewing machine. J. Kiewics. 1,463,325; July 31.
Sewing-machine guide. J. J. Drake. 1,463,258; July 31.
Sewing machines, Strap-forming device for. C. F. Gray. 1,463,262; July 31.
Shafts and the like, Means for packing rotating. H. E. La Bour. 1,463,365; July 31.
Sharpening implement. R. A. Loomis. 1,463,653; July 31.
Sharpening machine, Disk. J. E. Brittain. 1,463,665; July 31.
Sheave block. E. D. Swan and D. G. Manges. 1,463,731; July 31.
Sheet material, Absorbent. A. L. Clapp. 1,463,611; July 31.
Shield. H. Simmons. Re15,667; July 31.
Shingle, Composition. R. S. Severns. 1,463,632; July 31.
Shingles and cleaning and lubricating dies, Machine for making. S. M. Ford. 1,463,314; July 31.
Shirt band and cuff button. J. C. Stocks. 1,463,345; July 31.
Shock absorber. W. E. Harmon. 1,463,552; July 31.
Shock absorber. J. S. Lang. 1,463,284; July 31.
Shock absorber. H. Lutz. 1,463,219; July 31.
Shock eliminator. R. T. Newton. 1,463,766; July 31.
Shoe. J. D. Yeager. 1,463,278; July 31.
Shoe-last stand. W. A. Reed. 1,463,753; July 31.
Shoe ornament. G. C. Kennedy. 1,463,531; July 31.
Shuttle. V. Ledoux. 1,463,286; July 31.
Sidelamp. C. E. Godley. 1,463,162; July 31.
Sign, Display. F. J. Kristofek. 1,463,326; July 31.
Sign, Miniature parking. F. J. Kristofek. 1,463,217; July 31.
Sign, Road. D. Warren. 1,463,276; July 31.
Signal: *See*—
Automobile signal.
Car signal.
Railway-crossing signal.
Vehicle turning signal.
Waving signal.
Signal. W. J. Peck and E. R. Chase. 1,463,439; July 31.
Signaling. H. W. Nichols. 1,463,433; July 31.
Skimmers, Timing mechanism for boiler. F., W., and H. Eiserman. 1,463,577; July 31.
Sleigh, Motor. A. A. Knowles. 1,463,395; July 31.
Slipper. M. Hirshfield. 62,777–80; July 31.
Smoke prevention, Method of and apparatus for. H. M. Nobis. 1,463,629; July 31.
Sole and heel, Detachable shoe. G. Lilienfeldt. 1,463,514; July 31.
Sound energy with submarine sound transmitters, Device for increasing the. W. Hahnemann. 1,463,507; July 31.
Sound instrument, Signal. P. and R. Georgi. 1,463,361; July 31.
Sound-reproducing instrument. E. A. and D. A. Reynolds. 1,463,372; July 31.
Spark intensifier. A. A. Hutchison. 1,463,530; July 31.
Spark intensifier. E. Wnca. 1,463,608; July 31.
Spark-plug cleaner. F. Wamback. 1,463,350; July 31.
Speed-changing mechanism. W. H. Swartz. 1,463,408; July 31.
Spring wheel. W. J. Belsel. 1,463,192; July 31.
Sprinkler head. W. A. Backner. 1,463,666; July 31.
Square, Carpenter's. C. A. Walters. 1,463,605; July 31.
Staff, Leading. R. P. Rasmussen. 1,463,175; July 31.
Stamp, Band dating. M. Sheras. 1,463,340; July 31.
Stamp pad. W. K. Munson. 1,463,718; July 31.
Stand: *See*—
Rim stand.
Shoe-last stand.
Steam and water boiler. C. F. Bachler. 1,463,455; July 31.
Steam-generator fitting. J. C. Parker. 1,463,658; July 31.
Steam superheater. A. Cotton. 1,463,547; July 31.
Steering wheel, Mounting. J. N. Richards, W. H. Westman, and A. D. Westman. 1,463,487; July 31.
Stepladder. S. Field. 1,463,649; July 31.
Still, Oil. P. Heffler. 1,463,698; July 31.
Stoker, Automatic. L. R. Stowe. 1,463,300–1; July 31.
Stoker grate. G. W. Edwards. 1,463,157; July 31.
Stoker, Underfeed. R. S. Riley. 1,463,337; July 31.
Stop record, Automatic. J. W. Whalen. 1,463,235; July 31.
Stopper: *See*—
Bottle stopper.
Storage bin. J. P. Case. 1,463,307; July 31.
Store fixtures, Curtain suitable for use in. D. J. Seaman. 1,463,598; July 31.
Stove. R. Futral. 1,463,315; July 31.
Stove, Fireless. G. A. Taylor. 1,463,563; July 31.
Strainer support, Adjustable. W. P. and P. A. Heisner. 1,463,394; July 31.
Street-cleaning machine. W. N. Koger. 1,463,707; July 31.
Supporting means suitable for use in suspension transporter arrangements and for other purposes, Flexible. A. G. M. Jack. 1,463,165; July 31.
Surfacing machine. C. T. Adair and C. G. Frederick. 1,463,303; July 31.
Suspenders. W. M. Hueseman. 1,463,213; July 31.
Sweeper, Combined blast and suction. C. P. Holleran. 1,463,583; July 31.
Swing, Folding. G. W. Brame. 1,463,571; July 31.
Switch: *See*—
Inclosed switch.
Rail switch.
Railway switch.
Time switch.
Switch. V. S. Hardey. 1,463,551; July 31.
Switch. E. H. Jacobs. 1,463,320; July 31.
Switch mechanism. L. L. Evans and G. M. Hart. 1,463,463; July 31.
Swivel. W. L. Ketchum. 1,463,706; July 31.
Swivel wrench plate and hanger, Combination. C. A. Duley. 1,463,648; July 31.
Table: *See*—
Kitchen table.
Tea table.
Tank: *See*—
Fireproof tank.
Tank filler and contents indicator. A. Stanley. 1,463,342; July 31.
Tea table. L. Alonzi. 1,463,540; July 31.
Telephone system. H. H. Ide. 1,463,164; July 31.
Telephone system. C. Sparks. 1,463,600; July 31.
Telephone system, Party-line. T. G. Martin. 1,463,271; July 31.
Temperature-indicating device. C. W. Baker. 1,463,189; July 31.
Tent shelter. W. E. Marsh. 1,463,220; July 31.
Testing device. S. Pichler. 1,463,440; July 31.
Thermionic translating device. S. Loewe. 1,463,475; July 31.
Thread-parter mechanism. J. Northrop. 1,463,225; July 31.
Threads or cords, Machine for and method of uniting. W. H. Pearson and T. J. Kelly. 1,463,401; July 31.
Tile structure and toilet-paper holder, Combined. H. M. Goldsmith. 1,463,775; July 31.
Time switch. J. F. Cermak. 1,463,253; July 31.
Timing mechanism. C. A. Mayer. 1,463,367; July 31.
Tins and containers, Opening device for closed or sealed. W. Selby-Fayers and E. R. Gates. 1,463,443; July 31.
Tire chains, Lock for. R. C. Wagner. 1,463,604; July 31.
Tire shoe. M. D. Logan. 1,463,429; July 31.
Tires, Device for and method of the manufacture of protected inner tubes for. A. E. Henderson. 1,463,528; July 31.
Tires, Device for riveting half soles on pneumatic rubber. R. C. Turner and E. T. Alston. 1,463,732; July 31.
Tires, Making reenforced inner tubes for. J. A. McLane. 1,463,708; July 31.
Tires, Manufacturing. C. E. Rett. 1,463,754; July 31.
Tires to vehicle wheels, Means for securing. J. M. Mundy. 1,463,291; July 31.
Toasters, and the like, Handle for. C. Andrews, jr. 1,463,541; July 31.
Tobacco pipe. A. Dunhill. 1,463,684; July 31.
Tobacco pipe. H. Longacre. 1,463,398; July 31.
Tool holder. C. H. White. 1,463,353; July 31.
Towing tongue. W. D. Henry. 1,463,699; July 31.
Toy, Figure. F. Bowen. 1,463,194; July 31.
Tractor. T. C. Leake. 1,463,366; July 31.
Tractor frame construction. J. Ross. 1,463,593; July 31.
Train stop, Automatic. E. de Leon. 1,463,679; July 31.
Train-controlling apparatus, Automatic. E. H. Olson, J. C. H. Clark, M. B. Mealey, and C. Pelter. Re15,664; July 31.
Tramper. O. Mitchell. 1,463,221; July 31.
Transformer-controlling means. R. V. Bingay. 1,463,304; July 31.
Transmission mechanism, Gearless differential. E. J. Ziegler. 1,463,356; July 31.
Transmission release. J. Young and M. L. Frakes. 1,463,237; July 31.
Transmissions, Gear-shifting device for. O. L. Lewis. 1,463,328; July 31.
Trap: *See*—
Animal trap.
Tree holder. J. Ullrich. 1,463,734; July 31.
Trolley poles, Flexible attachment for. F. T. Bogard. 1,463,244; July 31.
Trolley-wire-holding rail. K. C. Hale. 1,463,420; July 31.
Truck, Lifting. J. G. Tangauy. 1,463,538; July 31.
Tube: *See*—
Inner tube.
Tubes, Device for the manufacture of pneumatic. A. E. Henderson. 1,463,529; July 31.

Tubes, Measuring device for collapsible. F. L. Dyer. 1,463,578; July 31.
Typewriting and computing machine, Combined. F. U. Conard. 1,463,254; July 31.
Typewriting and computing machine, Combined. F. K. Davis and C. C. Taylor. 1,463,155; July 31.
Typewriting machine. W. H. Hulse. 1,463,778; July 31.
Typewriting machine. E. A. Peterson. 1,463,535; July 31.
Typewriting machine. G. A. Seib. 1,463,599; July 31.
Typewriting machine. B. C. Stickney. 1,463,537; July 31.
Underdrilling bit. E. J. Akins. 1,463,566; July 31.
Underreamer. C. L. Giebell. 1,463,316; July 31.
Universal joint. C. L. Bushnell. 1,463,306; July 31.
Vacuum-tube apparatus. H. W. Nichols. 1,463,432; July 31.
Valve. K. Löwinger. 1,463,169; July 31.
Valve, Air-brake emergency check. M. H. Ryan. 1,463,767; July 31.
Valve for internal-combustion engines, Automatic air. W. F. Krichbaum. 1,463,532; July 31.
Valve for pneumatic sanders, Engineer's. J. R. Allan. 1,463,188; July 31.
Valve, Gas-regulating. L. E. Trosclair. 1,463,451; July 31.
Valve-operating mechanism. G. J. Mead. 1,463,171; July 31.
Valve-spring lifter. F. T. Martin. 1,463,709; July 31.
Vanity box. N. Kasdan and D. Pollack. 1,463,472; July 31.
Vanity case. A. B. Flagg. 1,463,259; July 31.
Vanity case. A. Schocket. Des. 62,805; July 31.
Vault light. W. L. Walker. 1,463,452; July 31.
Vehicle, Child's. C. E. Baker. Des. 62,769; July 31.
Vehicles, Combined governor and commutator support for motor. G. L. Tallman and A. A. Jones. 1,463,491; July 31.
Vehicle driving mechanism. L. M. Gardiner. 1,463,687; July 31.
Vehicle, Dump-body. W. D. Lankston. 1,463,743; July 31.
Vehicle lock. C. A. Conger. 1,463,760; July 31.
Vehicle, Motor. A. E. Osborn. 1,463,371; July 31.
Vehicle springs, Cushion connection for. A. F. Masury and A. H. Leipert. 1,463,655; July 31.
Vehicle suspension. F. E. Clemons. 1,463,574; July 31.
Vehicle transmission gear. P. D. Sinclair. 1,463,728; July 31.
Vehicle turning signal. H. Miner. 1,463,331; July 31.
Vehicle wheel. B. F. Walker. 1,463,640; July 31.
Wall construction. G. C. Carson, E. Coll, and T. S. Christensen. 1,463,759; July 31.
Washing machines, Means for emptying. A. C. Burleigh and A. C. Gowing. 1,463,248; July 31.
Watch-movement case. S. K. Ouzoun-Boghossian. Des. 62,793; July 31.
Water jacket. L. C. Drefahl and W. R. Carson. 1,463,204; July 31.
Water-treading apparatus. H. Meyer. 1,463,330; July 31.
Waving signal. P. G. Heagerty. 1,463,650; July 31.
Wetting machine. A. E. and M. E. Johnson. 1,463,214; July 31.
Wheel: *See*—
Resilient wheel.
Spring wheel.
Steering wheel.
Vehicle wheel.
Wheel. G. Walther and F. H. Walkley. 1,463,349; July 31.
Wheel and the like, Detachable. J. Hanman, and G. Hazleton. 1,463,695; July 31.
Wheel rim, Demountable. K. I. Nutter. 1,463,588; July 31.
Wheels, Pattern for casting steel. G. Walther. 1,463,348; July 31.
Wheels, screw wheels, or the like, Machine for manufacturing toothed. S. G. Wingquist. 1,463,414; July 31.
Wheelbarrow-handle guard. G. C. Batten. 1,463,191; July 31.
Winding and reeling device. W. Vorderwinkler. 1,463,181; July 31.
Window guide, Removable. E. G. Simpson. 1,463,444; July 31.
Window lock. L. A. Mologne. 1,463,222; July 31.
Window-operating device. A. Heyman. 1,463,700; July 31.
Window-polishing device. M. Madsen. 1,463,477; July 31.
Window regulator. E. E. Heintz. 1,463,422; July 31.
Windmill. M. C. Nixon. 1,463,434; July 31.
Windshield. L. H. Kent and S. A. de Normanville. 1,463,704; July 31.
Windshield cleaner. J. Pedersen. 1,463,590; July 31.
Wire-chain link. A. L. Johnson, jr. 1,463,281–2; July 31.
Wire reel. H. J. Hanson. 1,463,696; July 31.
Wood and preparing it, Composition for impregnating. G. Coester. 1,463,674; July 31.
Work table, Convertible. W. B. Munn. 1,463,717; July 31.
Wringer: *See*—
Mop wringer.
Writer, Multicopy. E. Mauvais. 1,463,478; July 31.
Zinc white, Manufacture of. A. Nihoul. 1,463,483; July 31.

CLASSIFICATION OF PATENTS

ISSUED JULY 31, 1923.

NOTE.—First number=class, second number=subclass, third number=patent number.

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OF THE

UNITED STATES PATENT OFFICE

VOLUME 313

AUGUST

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ERRATA.

23,857, page 71, Trade-Mark Registration renewal, second column, line 46, after "1923" insert *to Phillips Wire Company, Pawtucket, R. I., assignee.*

Patents Nos. 1,463,782 to 1,464,490.

THE OFFICIAL GAZETTE

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ADJUDICATED PATENTS.

(C. C. A. Va.) Kratz patent, 1,181,970, for church contribution envelopes, *Held* void for want of invention. *A. S. Kratz Co.* v. *Double Envelope Corp.*, 288 Fed. Rep., 971.

Interference Notices.

U. S. PATENT OFFICE, *Washington, July 24, 1923.*

Robert E. Leydendecker, his assigns or legal representatives, take notice:

An interference having been declared by this Office between Pilsner Products Co., Inc., 698 Washington Avenue, Brooklyn, N. Y., for registration of a trade-mark and trade-mark registered December 27, 1921, No. 149,986, to Robert E. Leydendecker, 103 Park Avenue, New York, N. Y., and the Office having been unable to secure service upon said Robert E. Leydendecker at the said address, notice is hereby given that unless said Robert E. Leydendecker, his assigns or legal representatives, shall enter an appearance therein within thirty days from the first publication of this order the interference will be proceeded with as in case of default.

This notice will be published in the OFFICIAL GAZETTE for three consecutive weeks.

KARL FENNING,
Assistant Commissioner.

5852

U. S. PATENT OFFICE, *Washington, July 12, 1923.*

Jesse Minor, his assigns or legal representatives, take notice:

An interference having been declared by this Office between the New England Confectionery Company, 253 Summer Street, Boston, Mass., for registration of a trade-mark and trade-mark registered June 2, 1903, No. 40,490, to Jesse Minor, 3822 Pier Street, Pittsburgh, Pa., and a notice of such declaration sent by registered mail to said Jesse Minor at the said address having been returned by the post office undelivered, notice is hereby given that unless said Jesse Minor, his assigns or legal representatives, shall enter an appearance therein within thirty days from the first publication of this order the interference will be proceeded with as in case of default.

This notice will be published in the OFFICIAL GAZETTE for three consecutive weeks.

KARL FENNING,
Acting Commissioner of Patents.

U. S. PATENT OFFICE, *Washington, July 12, 1923.*

Bucknam & Vanderpoel, their assigns or legal representatives, take notice:

An interference having been declared by this Office between D. B. Scully Syrup Company, 321 East Illinois Street, Chicago, Ill., for registration of a trade-mark and trade-mark registered May 29, 1906, No. 53,164, to Bucknam & Vanderpoel, 198 West Broadway, New York, N. Y., and a notice of such declaration sent by registered mail to said Bucknam & Vanderpoel at the said address having been returned by the post office undelivered, notice is hereby given that unless said Bucknam & Vanderpoel, their assigns or legal representatives, shall enter an appearance therein within thirty days from the first publication of this order the interference will be proceeded with as in case of default.

This notice will be published in the OFFICIAL GAZETTE for three consecutive weeks.

KARL FENNING,
Acting Commissioner of Patents.

Changes in Classification.

(ORDER No. 2,832.)

U. S. PATENT OFFICE, *Washington, July 26, 1923.*

The transfer of the following classes is hereby directed, to take effect immediately: Class 30, Cutlery, from Division XX to Division XXV, and class 167, Medicines, from Division VI to Division XLIII.

THOMAS E. ROBERTSON,
Commissioner.

Suggestion for Use of Coupons.

The execution of orders for printed copies of U. S. patents, etc., will be considerably expedited if coupons are used. Such coupons may be purchased at the Patent Office in lots of 20 at $2.00 and 100 at $10.00.

Coupon orders do not have to be accompanied by letters of transmittal. They require nothing but the filling in of the patent number, the name of the inventor, the date of issue, and the name and address of the party desiring the service.

Condition of Applications Under Examination at Close of Business July 27, 1923.

(Total number of applications awaiting action, excluding Trade-Mark division, 75,356; Trade-Mark division, 3,415. Oldest new case, Sept. 26, 1922; oldest amended, Sept. 28, 1922. The dates given are 1922 except where * indicates 1923.)

Room No.	Divisions, Examiners, and subjects of inventions.	Oldest new application and oldest action by applicant awaiting office action. New.	Amended.	No. of applications awaiting action.
314	1. LOEFFLER, F. A., Closure Operators; Fences; Gates; Harrows and Diggers; Plows; Planting; Scattering Unloaders; Trees, Plants, and Flowers.	Oct. 24	Oct. 3	1,286
128	2. HADEN, C. F., Bee Culture; Dairy; Preserving; Presses; Tents, Canopies, Umbrellas, and Canes; Tobacco.	Oct. 24	Oct. 24	1,477
175	3. RICH, WM. J., Electric Heating and Rheostats; Electrochemistry; Heating; Metal Founding; Metallurgical Apparatus; Metallurgy; Metal Treatment; Plastic Metal Working.	Nov. 16	Dec. 1	1,585
234	4. MERRITT, A. D., Conveyers, Chutes, Skids, Guides, and Ways; Conveyers, Fluid Current; Conveyers, Power Driven; Excavating; Handling—Hand and Hoist-Line Implements: Material or Article Handling; Pushing and Pulling Implements; Railway Mail Delivery; Traversing Hoists.	Oct. 23	*Feb. 24	1,560
167	5. MACNAB, J. F., Bookmaking; Books, Strips, and Leaves; Harvesters; Jewelry; Manifolding; Music; Printed Matter; Tying Cords or Strands.	Sept. 28	Oct. 13	1,463
318	6. LEWERS, A. M., Bleaching and Dyeing; Chemicals; Chemistry—Carbon Compounds; Explosive, Pyrotechnic, and Match Compositions; Fertilizers; Liquid Coating Compositions; Medicines; Plastic Compositions; Substance Preparation.	Sept. 27	*Mar. 22	1,965
312	7. JARBOE, C. G., Games and Toys; Optics; Photography	Oct. 16	Dec. 13	2,762
133	8. CLIFT, J. W., Beds; Chairs and Seats; Furniture; Kitchen and Table Articles; Store Furniture; Supports.	*Jan. 17	*Mar. 26	1,602
221	9. TRYON, F. M., Air and Gas Pumps; Hydraulic Motors; Injectors and Ejectors; Motors, Fluid; Motors, Fluid Current; Pumps.	Oct. 24	*June 9	916
235	10. HUNTER, O. F. (Acting), Motor Vehicles; Land Vehicles—Animal Draft Appliances, Bodies and Tops, Dumping, Wheel Substitutes.	Sept. 26	Oct. 28	1,536
154	11. ARMSTRONG, H. C., Boot and Shoe Making; Boots, Shoes, and Leggings; Button, Eyelet, and Rivet Setting; Harness; Hides, Skin, and Leather; Leather Manufactures; Nailing and Stapling; Whips and Whip Apparatus.	*Jan. 15	*Jan. 4	1,037
322	12. PIERCE, P. P., Machine Elements	Dec. 4	*Jan. 2	1,447
329	13. NIXON, G. A., Bolt, Nail, Nut, Rivet, and Screw Making; Chain, Staple, and Horseshoe Making; Driven, Headed, and Screw-Threaded Fastenings; Gear Cutting, Milling, and Planing; Metal Drawing; Metal Forging and Welding; Metal Rolling; Metal Working; Needle and Pin Making; Turning.	Oct. 9	*Mar. 24	1,219
323	14. BRUMBAUGH, N. J., Compound Tools; Cutting and Punching Sheets and Bars; Farriery; Metal Bending; Metal Tools and Implements, Making; Sheet-Metal Ware, Making; Tools; Wire Fabrics and Structure; Wire Working.	Sept. 26	*May 25	1,172
308	15. REDROW, W. L., Glass; Laminated Fabric and Analogous Manufactures; Paper Making and Fiber Liberation; Plastic Block and Earthenware Apparatus; Plastics.	Oct. 4	Dec. 9	2,081
112	16. BACKUS, C. D., Radiant Energy; Telegraphy; Telephony	Oct. 10	Oct. 10	2,512
307	17. RAFTER, G. S., Coating, Label Pasting, and Paper Hanging; Nut and Bolt Locks; Ornamentation; Paper Manufactures; Printing; Type Casting; Sheet-Material Association or Folding; Sheet or Web Feeding or Delivering; Type Setting.	Oct. 3	*Feb. 12	1,556
229	18. PORTER, M. E., Liquid Heaters and Vaporizers; Motors, Expansible-Chamber Type; Power Plants; Speed-Responsive Devices.	Oct. 2	Sept. 28	2,044
236	19. GLASCOCK, E. S., Automatic Temperature and Humidity Regulation; Furnaces; Heating Systems; Stoves and Furnaces; Thermostats and Humidostats.	*Feb. 19	*Apr. 10	726
179	20. WRIGHT, H., Artificial Body Members; Miscellaneous Hardware; Closure Fasteners; Cutlery; Dentistry; Locks and Latches; Safes; Undertaking.	Dec. 12	Dec. 13	2,163
212	21. THURBER, W. L., Winding and Reeling; Textiles—Braiding, Netting, or Lace Making, Cloth Finishing, Fiber Preparation, Knitting, Spinning, Twisting or Twining, Weaving.	Oct. 7	*Mar. 1	1,065
249	22. COLWELL, J. H., Aeronautics; Firearms; Ordnance; Ammunition and Explosive Devices; Ammunition and Explosive-Charge Making; Air Guns, Catapults, and Targets; Boats and Buoys; Ships; Marine Propulsion.	Oct. 30	*Jan. 13	616
217	23. GROESBECK, W. D., Acoustics; Coin Handling; Recorders; Registers; Sound Recording and Reproducing.	Sept. 29	Sept. 28	877
144	24. DURAS, C. O., Apparel; Apparel Apparatus; Garment Supporters; Sewing Machines	Oct. 6	*Jan. 8	1,441
315	25. LIGHTFOOT, J. H., Agitating; Butchering; Centrifugal-Bowl Separators; Mills; Threshing; Vegetable and Meat Cutters and Comminutors; Gas Separation.	*Jan. 26	*Feb. 10	557
105	26. HODGES, J. S., Electricity, Generation; Motive Power; Prime-Mover Dynamo Plants	Oct. 11	Nov. 2	1,001
214	27. ANDERSON, L. S., Brush, Broom, and Mop Making; Brushing, Scrubbing, and General Cleaning; Laundry; Washing Apparatus.	Oct. 9	Oct. 7	1,543
225	28. BENSON, A. R., Internal-Combustion Engines	Nov. 15	*Jan. 8	1,481
147	29. MORRIS, B. N., Abrading; Boring and Drilling; Button Making; Chucks or Sockets; Coopering; Tool-Handle Fastenings; Wheelwright Machines; Wood Sawing; Wood Turning; Woodworking; Woodworking Tools.	Oct. 2	Oct. 24	1,337
152	30. SULLIVAN, M. R., Illuminating Burners; Illumination; Liquid and Gaseous Fuel Burners; Typewriting Machines.	Oct. 30	*Apr. 13	1,894
172	31. HOLMES, W. N., Alcohol; Ammonia, Water, and Wood Distillation; Charcoal and Coke; Gas, Heating and Illuminating; Hydraulic Cement and Lime; Mineral Oils; Oils, Fats, and Glue; Sugar, Starch, and Carbohydrates; Concentrating Evaporators.	Oct. 14	Oct. 12	1,693
278	32. BANCROFT, J. F., Gas and Liquid Contact Apparatus; Heat Exchange	Oct. 7	Oct. 21	1,398
70	33. WYMAN, W. I., Bridges; Hydraulic and Earth Engineering; Masonry and Concrete Structures; Metallic Building Structures; Roads and Pavements; Roofs; Rod Joints or Couplings; Pipe Joints or Couplings; Valved Pipe Joints or Couplings.	Oct. 27	Oct. 30	1,773
304	34. SIMPSON, G. R., Electricity-Transmission to Vehicles; Pneumatic Dispatch; Railways; Railway Rolling Stock; Railway Switches and Signals; Railways, Surface Track; Railway Wheels and Axles; Store Service; Track Sanders; Vehicle Fenders.	Dec. 30	*Mar. 5	799
52	35. REYNOLDS, E. C., Buckles, Buttons, Clasps, Etc.; Card, Picture, and Sign Exhibiting; Signals and Indicators; Toilet.	*Feb. 6	*Apr. 2	1,092
265	36. MORTON, G. L., Automatic Weighers; Driers; Geometrical Instruments; Measuring Instruments; Force Measuring.	*Jan. 2	Dec. 9	2,072
107	37. TAYLOR, E. C., Electricity, Circuit Makers and Breakers	Oct. 9	Oct. 9	2,003
378	38. IDE, G. R., Animal Husbandry; Earth Boring; Fishing, Trapping, and Vermin Destroying; Mining, Quarrying, and Ice Harvesting; Stationery; Stoneworking, Wells.	Oct. 12	Oct. 6	1,966
220	39. COWLES, A. W., Fluid-Pressure Regulators; Multiple Valves; Valves; Water Distribution	Oct. 2	Oct. 2	1,408
269	40. OBERLIN, J. J., Baggage; Bottles and Jars; Cloth, Leather, and Rubber Receptacles; Deposit and Collection Receptacles; Metallic Receptacles; Package and Article Carriers; Paper Receptacles; Special Receptacles and Packages; Wooden Receptacles.	Oct. 2	*Mar. 29	2,285
125	41. BROWN, J. L., Land Vehicles, Wheels and Axles; Resilient Tires and Wheels	Dec. 14	*Jan. 22	946
114	42. CUTTING, H. O., Electrical Conduits and Housings; Electric Signaling; Electric Lamps	Oct. 19	Nov. 13	1,713
382	43. HOPKINS, F. M., Baths and Closets; Electricity, Medical and Surgical; Fire Extinguishers; Sewerage; Surgery; Liquid Separation or Purification.	Nov. 6	Nov. 4	1,331
253	44. SHAFFER, C. H., Bread, Pastry, and Confection Making; Dispensing; Dispensing Beverages; Filling and Closing Portable Receptacles; Railway Draft Appliances; Refrigeration.	Oct. 17	*Feb. 25	1,170
379	45. GILES, A. H., Journal Boxes, Pulleys, and Shafting; Lubrication; Motors; Spring Devices	Dec. 1	Oct. 11	1,588
332	46. WOLCOTT, C. L., Curtains, Shades, and Screens; Educational Appliances; Fire Escapes; Ladders; Fluid Sprinkling, Spraying, and Diffusing; Paper Files and Binders; Wooden Buildings; Scaffolds.	Nov. 24	Dec. 18	1,436
264	47. BARKER, H., Brakes; Clutches and Power Stop Control; Elevators; Fluid-Pressure Brake and Analogous Systems; Horology; Time-Controlling Mechanism.	Nov. 4	*Jan. 18	1,213
118	48. ROEPKE, O. B., Electricity Conductors; Electricity, General Applications	Oct. 5	Nov. 1	2,348
383	49. EDINBURG, F. P., Check-Controlled Apparatus; Domestic Cooking Vessels; Fuel and Igniting Devices; Joint Packings; Packed Shaft or Rod Joints; Pneumatics; Velocipedes.	Oct. 25	Nov. 3	645
102	DESIGNS: C. O. MARKHAM (Acting)	Dec. 1	*Feb. 15	2,556
163	TRADE-MARKS, LABELS AND PRINTS: T. L. MEAD, Jr.	*Apr. 2 (Trade-Marks)	*June 4	3,369
		*July 19 (Labels and Prints)	*July 23	46

DECISIONS IN PATENT AND TRADE-MARK CASES.

Commissioner's Decision.

DR. S. A. RICHMOND NERVINE CO. *v.* DR. MILES MEDICAL COMPANY.

Decided March 10, 1923.

TRADE-MARKS — "NERVINE" — CANCELLATION—PRIOR USE ON DECEPTIVELY-LABELED OR MISBRANDED GOODS.

A trade-mark use of a word is sufficient ground for canceling a registration thereof by another whose use of the word on goods of the same descriptive character commenced later, even where the earlier use was on deceptively-labeled or misbranded goods, since the registrant is not entitled to exclude the prior user from the use of the mark, and hence does not have the exclusive right thereto.

ON PETITION.

TRADE-MARK FOR REMEDY FOR THE TREATMENT OF THE BLOOD.

Mr. Titian W. Johnson for Dr. S. A. Richmond Nervine Co.

Mr. F. F. Reed, Mr. E. S. Rogers, Mr. F. L. Broiene, and *Mr. D. Broiene* for Dr. Miles Medical Company.

FENNING, *Assistant Commissioner:*

On June 19, 1920, Dr. Miles Medical Company filed an application for registration of its mark under the act of March 19, 1920. The mark was registered April 26, 1921, No. 141,782, and consists of the word "Nervine." On January 5, 1922, Dr. S. A. Richmond Nervine Co. filed an application for cancellation of the said trade-mark. The Richmond Co. alleges use of the word "Nervine" in connection with the word "Samaritan" by it and its predecessors since 1873. Its mark has been registered in the Patent Office under the act of 1870, under the act of 1881, and still again under the act of 1905 (No. 109,418). In December of 1884 the present name Dr. S. A. Richmond Nervine Co. was adopted.

The goods of the parties are of the same descriptive properties.

Registrant, through its answer and the answers to interrogatories propounded to the Richmond Co., alleges that it has established the following facts:

The Miles Company has used its mark continuously since about 1900, and its use has been nondeceptive. The Richmond Co. in 1915 pleaded guilty in the United States District Court of the Western District of Missouri, in a proceeding brought against it by the United States for violation of the Food and Drug Act of 1906, in that the goods on which it used the mark here in question were deceptively labeled or misbranded by the use of extravagant claims of therapeutic value and medicinal efficacy. Since at least as early as 1917, the Richmond Co. has purged itself of this misbranding and has employed the mark in an unobjectionable and lawful way.

Assuming, but not determining, these facts proved, we must here determine whether the petition for cancellation should be dismissed. Registrant brought a motion for that purpose, which was denied by the Examiner of Interferences.

Registrant's position is clearly set out by the following from its brief:

> Use of a mark in a trade mark sense means honest use, and one which the courts will protect. The use of this mark from 1873 to 1917 by the petitioner was a dishonest use and one upon which no trade mark right can be founded. The record shows that Dr. Miles Medical Company's use began in 1900 and was an honest and lawful one. Therefore, the lawful use of the Dr. Miles Medical Company antedates the lawful use of the Dr. S. A. Richmond Company by seventeen years. Since the Richmond Company can base no right upon its use prior to 1917, it cannot prevail and judgment should have been entered against it.

It is well established by the cases and not denied that one who has fraudulently used a trade-mark may not in an equity proceeding restrain an infringer of his mark. Even there, however, a fraudulent user may redeem his right to equity by abandoning the fraud and so cleaning his hands. (*Coca-Cola Company* v. *The Koke Company of America et al.*, 254 U. S., 143; *American Thermos Bottle Co.* v. *W. T. Grant Co.*, 279 Fed. Rep., 151.)

The present proceeding, however, is not an infringement proceeding, but is a cancellation proceeding, established by statute and controlled by statute. Section 2 of the act of 1920 says that—

> if it appear after a hearing before the Examiner that the registrant was not entitled to the exclusive use of the mark at or since the date of his application for registration thereof, * * * the Commissioner shall cancel the registration.

The question then is whether the Miles Company was entitled to the exclusive use of the mark on June 19, 1920, or since that time. The cases cited by the attorney for Dr. Miles seem conclusively to establish that he was not entitled to such exclusive use. Prior to 1917, when the Richmond Company's use is alleged to have been fraudulent, the Richmond Company could not have been excluded from the use of the mark. In *Parlett* v. *Guggenheimer* (67 Md., 542; 10 Atl., 81) the court said:

> * * * The conclusion is irresistible that he who seeks to mislead the public, and to palm off on it the spurious for the genuine article, under the guise of his trade mark, or coupled with it, forfeits for all time, not his right to use his trade mark, for with that the courts will not interfere, but his right to have that trade mark protected.

And, again:

> He can, of course, go on, and use it as long as he pleases, but the right of exclusive use is gone from him forever.

Clearly, then, in 1917, and a fortiori in 1920, the Miles Company had not the right to exclude the Richmond Co. from the use of the mark here in issue. Hence it had not the exclusive right to the use of that mark, and hence it should not be allowed to keep its mark on the register.

My attention is directed to one case in which the court of appeals has made a statement which on

its face seems to be contrary to the exclusion I have reached. In *Coffin Redington Co.* v. *Turner* (1917, C. D., 187; 242 O. G., 751; 46 App. D. C., 449) the court of appeals found that appellee's—

• • • mark or name itself was not deceptive, but the accompanying statements were, and their deceptive character is enough to disentitle the appellee to claim priority upon the ground of such use.

The appellant's registration should have been allowed to stand and the appellee's petition to be allowed registration on the ground of prior use should have been denied.

From this it might seem that a nonexclusive use would be sufficient to support a registration if the use which could not be exclusive was a deceptive use. That case, however, was not a cancellation proceeding, but was an interference proceeding between an applicant and registration No. 82,574. It is clear that what the court said there was proper and not in dissonance with my holding here. The court said that an applicant whose use was deceptive was not entitled to registration, that registrant was entitled to prevail in the interference, and his "registration should have been allowed to stand," as that was the only thing possible, since the proceeding was not a cancellation proceeding. It does not at all follow that the court would have refused to cancel the registration on petition of applicant in a proper proceeding.

In the present case it is obviously improper to leave on the register a mark which on its face will allow the Miles Company to exclude the Richmond Company from the use of its mark when it is clear that the Richmond Company has the right to use that mark. (*R. H. Macy & Co., Inc.*, v. *The Macey Company, Inc.*, 295 O. G., 463.)

The case has been treated as though "Nervine" were a technical trade-mark. Since the registration is under the 1920 act, it may be assumed that the word is descriptive of the goods. The impropriety of a registration which will prevent a legitimate use of such a word long in use by the Richmond Company is more clearly obvious than if the word were arbitrary.

The present petition to exercise supervisory authority to overrule the action of the Examiner of Interferences in denying the motion for judgment on the record is denied, and registration No. 141,782 should be canceled.

Court of Appeals of the District of Columbia.

IN RE BAXTER.

No. 1,505. Decided January 2, 1923

PATENTS—INVENTION.

It being old to treat perishable fruit in a freight car with carbon monoxide, and common knowledge that a charcoal stove will give off carbon monoxide under certain circumstances, and there being a prior patent which discloses the idea of heating such a car with a charcoal stove, it was not invention to equip a freight car with a charcoal stove which the applicant had already patented, which performs the double function of supplying heat and carbon monoxide.

Mr. S. W. Banning for Baxter.

Mr. T. A. Hostetler for the Commissioner of Patents.

Before SMYTH, Chief Justice, and ROBB and VAN ORSDEL, Associate Justices.

ROBB, *J.*:

Appeal from a decision of the Commissioner of Patents refusing eight claims, the first four being for means or apparatus and the remaining four covering the method of treating perishable fruits and vegetables during their transportation in railroad cars. We deem it unnecessary to reproduce those claims here.

This application discloses a freight car equipped with a charcoal heater designed to perform the double function of supplying heat and carbon monoxide, the heat preventing freezing and the carbon monoxide arresting the ripening processes of the fruit.

Each of the three tribunals of the Patent Office has carefully considered applicant's contentions and rejected them in view of the state of the art. The patent to Lawton, dated April 19, 1898, discloses the idea of treating fruit in a freight car with carbon monoxide, and the patent to Saunders, dated October 1, 1912, discloses the idea of heating such a car with a charcoal stove.

It being common knowledge that a charcoal stove will give off carbon monoxide under certain conditions, we agree with the Patent Office that it was not invention to generate the carbon monoxide in the car, instead of supplying it from an outside source. In other words, it does not follow that, because applicant has devised a heater capable of performing a double function and upon which he has received a patent, he also is entitled to a patent upon a process fully disclosed long prior to his entry into the field.

The decision is affirmed.

Affirmed.

Court of Appeals of the District of Columbia.

MOCK *v.* JOHNSON.

No. 1,532. Decided February 5, 1923.

1. INTERFERENCE—PRIORITY—DILIGENCE.

It is not important what J. was doing between his date of conception and his date of filing, because if he reaches the Office first his prima facie right to a patent is established, and this right can only be overcome by the action of an opponent who begins at an earlier period and continues with due diligence until he subsequently reaches the Office with his application.

2. SAME—SAME—SAME.

M. must, if he would prevail, show either that what he did before J. conceived his invention was a reduction to practice or that he was exercising due diligence from just prior to the day when J. conceived his invention to the time when M. filed his application, J. having reduced the invention to practice soon after he conceived it.

3. SAME—SAME—REDUCTION TO PRACTICE.

It was incumbent upon M., if he wished to prove a laboratory test sufficient to justify a holding of complete reduction to practice, to show that it was conducted under the necessary conditions of actual service in the particular environment for which it was intended.

4. SAME—SAME—SAME.

Where a standard carburetor, modified so as to employ thereon the inventor's economizer, necessarily modified the functioning of all the parts of the carburetor which were directly involved in the production of the proper mixture, the inventor's task was unfinished if the economizer worked satisfactorily but disturbed by its presence the operation of the other contributory parts, so that they ceased to function satisfactorily.

5. SAME—SAME—SAME.

Where five models embodying the invention were successively tested with unsatisfactory or doubtful results and each was in turn laid aside and succeeded by another of a different design, *Held* that they did not constitute a reduction to practice.

6. SAME—SAME—SAME.

It is not sufficient for M. to present models in evidence and offer J. the opportunity to test them. It is encumbent upon M. to show that he did test them at the time he says he did and that they operated in a successful manner and to explain in detail the successful operations.

Mr. C. A. Brown and *Mr. Chas. H. Boetcher* for Mock.

Mr. C. S. Grindle for Johnson.

Before SMYTH, Chief Justice, and ROBB and VAN ORSDEL, Associate Justices.

SMYTH, *C. J.*:

This is an interference proceeding relating to an improvement in a carburetor designed to effect economy in the consumption of fuel by the motor to which it is applied. The issue involves three counts. We give count 1.

1. In a carburetor, a carbureting chamber having a throttle controlled mixture outlet and air and fuel-inlets, a constant level chamber supplying said fuel inlet with liquid fuel, and means operating with the throttle to control the pressure in said constant level chamber for restricting the flow of fuel upon intermediate suctions and permitting full flow on high suctions.

Johnson was the last to conceive but the first to file. He is therefore the senior party, and the burden of proof is on Mock. The three tribunals of the Patent Office decided against the latter. They reviewed the evidence with much detail in their respective opinions and made it very clear that the several attempts of Mock to actually reduce to practice were unsuccessful, and that he was not diligent when Johnson came into the field.

It would serve no useful purpose for us to travel over the same ground as that traversed by the tribunals by analyzing the testimony here. The opinions referred to are accessible to the parties, and that is enough.

No error appearing in the conclusion of the Commissioner we affirm it.

Affirmed.

The decision of First Assistant Commissioner Kinnan, rendered in this case November 29, 1921, reads as follows:

This is an appeal from the decision of the Examiners in Chief affirming that of the Examiner of Interferences awarding priority of invention to the senior party, Johnson, for the invention embodied in the following three counts:

1. In a carburetor, a carbureting chamber having a throttle controlled mixture outlet and air and fuel-inlets, a constant level chamber supplying said fuel inlet with liquid fuel, and means operating with the throttle to control the pressure in said constant level chamber for restricting the flow of fuel upon intermediate suctions and permitting full flow on high suctions.

2. In a carburetor, a carbureting chamber having a throttle controlled mixture outlet and air and fuel-inlets, a constant level chamber supplying said fuel inlet with liquid fuel, and means operating with the throttle to control the pressure in said constant level chamber for restricting the flow of fuel upon intermediate suctions and permitting full flow on high suctions and low suctions.

5. In a carburetor, a carbureting chamber having air and fuel-inlets and a mixture-outlet, a throttle in said mixture-outlet, a reservoir for supplying said fuel-inlet with liquid fuel, a restricted air inlet for said reservoir, a passageway between said chamber and said reservoir over the fuel level therein, and means operating with the throttle for controlling a larger air inlet to said reservoir.

The invention relates to a carburetor for a gas engine of the internal combustion type, and specifically to a means operating simultaneously with the throttle to vary the richness of the explosive mixture by varying the air pressure above the liquid fuel in the float or constant-level chamber, whereby on the intermediate suction effect of the engine the flow of the fuel is reduced.

[1] The proofs submitted on behalf of Johnson show that he conceived the invention in issue in May, 1915, reduced to practice soon after, and filed his application on November 26, 1915. It is not important what Johnson was doing between May, 1915, and his date of filing because, however he may loiter along the way, if he reaches the Office first his prima facie right to a patent is established, and this right is in no way dependent upon his delay and can only be overcome by the action of his opponent, who begins the journey at an earlier period and continues it with due diligence until he subsequently reaches the Office with his application. (*Christie* v. *Seybold*, C. D., 1893, p. 515; 64 O. G., 1650; and *Paul* v. *Johnson*, 109 O. G., 807; 23 App. D. C., 187.)

There is submitted no evidence contradictory to the testimony presented on behalf of Johnson, although counsel for appellant argued that there is wanting proof that Johnson ever conceived the invention in issue at all, and they suggest that the invention may have been made by parties other than Johnson; but there seems to be no proof of nor merit in either of these contentions.

[2] The junior party has established clearly enough a conception of the invention in August, 1914, which is prior to any date proved by Johnson. Appellant must, if he would prevail, show either that what he did before May, 1915, was a reduction to practice or that he was exercising due diligence from just prior to May, 1915, to the time when he filed his application on March 18, 1916.

The evidence submitted on behalf of appellant wholly fails to prove that during this period—May until November, 1915—he was doing anything whatever toward either reducing the invention to practice or filing an application. On the contrary it is clearly shown that his application was deliberately held up. It is apparent, therefore, that it is encumbent upon appellant to show that he had reduced the invention to practice before this period began, with the models he made in 1914. A complete description of what was done in connection with each model is well set forth in appellant's record, and has been carefully reviewed by the Ex-

aminer of Interferences and by the Examiners in Chief, and need not be entered into in elaborate detail here.

[3] It is not contended that the model, Exhibit 4, was tested under road conditions. The test is described as a laboratory test, and in regard thereto appellant states that while the mixture range was correct and the action of the economizer was satisfactory the carburetor showed the need of some device for giving an additional supply of gasoline upon acceleration, especially from a very lean mixture. The appellant states what he considers are road conditions necessary to properly test a carburetor, which, he avers, must include water, air, and oil temperature and exhaust pressure in order to give a fairly accurate indication of a motor in actual service. It was encumbent upon appellant if he wished to prove the laboratory test was sufficient to justify a holding of complete reduction to practice to show that it was conducted under these necessary conditions. This he has not done, but has merely shown that the carburetor with his economizer incorporated therein did not act very well, because acceleration was defective. That this model was not satisfactory in its operation is further shown by the fact that no attempt was ever made to use it in actual service or do anything further with it and that it was dropped entirely in November, 1914. The only inference that can be drawn from this record of model 4 is that further experimental work was needed to produce a satisfactory device, that the work of the inventor was not finished, and that all he had done thus far constituted no more than an unsuccessful experiment.

The model known as Exhibit 7 embodies the invention of the issue, and the evidence satisfactorily establishes that it was made about October, 1914, from a drawing which is identified as Exhibit 5, gotten up to show a modification of an existing carburetor which had been on the market for some time and was known as model B. This modification of the standard model B carburetor was tested in the laboratory, as was the other exhibit, and later placed upon a Cole roadster belonging to R. M. Anderson, an employee of appellant's company, in 1914, and driven altogether about twenty hours. Appellant strenuously argues that this constituted a reduction of the invention in issue to practice.

[4] It must be borne in mind that the model B carburetor was a standard carburetor, one already well tried and proved in extensive practical use and which had been for some time on the market. It necessarily functioned properly as to all its parts save its lack of sufficient economy. To this carburetor was added the economizer. To modify this standard carburetor so as to employ thereon the economizer necessarily modified the functioning of all the parts of the carburetor which were directly involved in the production of the proper mixture. If, then, the economizer worked satisfactorily and yet disturbed by its presence the operation of the other contributory parts, so that they ceased to function satisfactorily—as, for example, prevented satisfactory acceleration—the inventor's task was unfinished. He had not completed his inventive act. His trial on the Cole roadster was merely one of the experimental steps necessary to give him data from which to afterwards complete his inventive act.

Referring to the testimony as to the result of the tests of this model upon the Cole roadster, there is no unequivocal satisfactory statement as to the complete operation of the model. Neither Mock nor Gustafson nor Anderson states what the carburetor did when placed on the automobile. The most important and most elemental things are not referred to at all. There is no answer to the question how did the engine act at *low* speed, or when idling, at *intermediate* speed, and at *high* speed, or on attempts to accelerate from low speed, from intermediate speed, etc. One is left in the dark as to all these things, and yet the burden is upon appellant to prove his case by a preponderance of evidence. The testimony of Mock (Q. 145) and of Anderson (Q. 19) shows that the model was made as a mere experimental device in order to gain sufficient data for guidance in making other designs. Mock merely states that the gain in economy when adjusted to show maximum power on hills was definite. He gives no other information as to the additional things one should know. Gustafson says the results were satisfactory "so far as the economizer was concerned." Anderson says that "in its crude form it gave promise of desirable results." Nothing further, so far as the evidence shows, was ever done with this model, and Gustafson states that they made but this one from the drawing, Exhibit 5. Indeed, the evidence shows that Mock at once, following these tests, worked on different models of different designs. The conclusion seems inevitable that it was not a successful reduction to practice. (*Robinson* v. *Thresher*, 123 O. G., 2627; 28 App. D. C., 22; *Gallagher* v. *Hien*, 115 O. G., 1330; 25 App. D. C., 77.)

After the production of other drawings and models a model identified as Exhibit 13 was made, which includes counts 1 and 3 of the issue. This was placed on a car of the Hudson Company, tried in December of 1914, when there was deep snow on the ground, and the result could not, as testified by appellant, be well determined. He says that—

> driving in deep snow it is impossible to compare the fuel consumption with what would be obtained under ordinary conditions.

He gives hearsay evidence of what the driver of the Hudson car stated, and such is merely to the effect that the power was good. This model was not further used and was abandoned, so far as the testimony shows, for another design.

[5, 6] There were two other models, Exhibits 14 and 15, which were tested on automobiles. These were tried upon the Willys-Overland cars at the plant of the latter company in Toledo. Appellant did not see these tests. Shepard says they were successful; but McKinley, who was the chief designing engineer of the Willys-Overland Company, says these models after the tests were returned and that with them "there was some difficulty in accelerating from slow speed." Evidently these tests were unsatisfactory for this reason, even if there may have been other reasons as well. It is believed that Shepard, presumably an enthusiastic employee of appellant's company, may not have been so well informed or so free to give his attention to the discovery of the defects as McKinley. The latter's testimony is persuasive, under the special circumstances that are here presented, that these models were not satisfactory. Added to this is the fact, so far as the record shows to the contrary, that these models were, like their predecessors, laid aside and succeeded by others of a different design. It is believed they did not constitute a reduction to practice within the meaning of the law. It is not sufficient to present them in evidence and offer Johnson the opportunity to test them. It is encumbent upon Mock to show that he did test them at the time he says he did and that they operated in a successful manner and to explain in detail the successful operations, rather than rely upon his opponent to experiment with them for him.

One cannot fail to be impressed with the view, on reading the testimony submitted in behalf of Mock, that he was not himself satisfied with the models he tested. His very plain failure to give any detailed information or any positive information covering the functioning of the carburetor under all the regular and ordinary conditions of use, coupled with his one admission that acceleration at low speed was not satisfactory, lead one to the conclusion that none of these models constituted a successful reduction to practice. The testimony of Gustafson is qualified, and so is that of Anderson. Such evidence leaves one with the view that there was something wrong with each model.

This question of what constitutes a reduction to practice is often one difficult to decide. In the case of *Sydeman and Meade* v. *Thoma* (141 O. G., 866; 32 App. D. C., 362) the court said:

> Decisions involving this often-litigated question of actual reduction to practice may be divided into three general classes. The first class includes devices so simple and of such obvious efficacy that the complete construction of one of a size and form intended for and capable of practical use, is held sufficient without test in actual use. (Citing numerous decisions.)
>
> The second class consists of those where a machine embodying every essential element of the invention, having been tested and its practical utility for the intended purpose demonstrated to reasonable satisfaction, has been held to have been reduced to practice notwithstanding it may not be a mechanically-perfect machine. In other words it is sufficient reduction to practice although a more desirable commercial result may be attained by some simple and obvious mechanical improvement, * * *. (Citing authorities.)
>
> The third class includes those where the machine is of such a character that the particular use for which it is intended must be given special consideration, and requires satisfactory operation in the actual execution of the object. (Citing authorities.)

In Mock's testimony, in answer to X Q. 335, he states:

> Testing a carburetor on a motor car is one of the hardest things that I know of, because there are so many points that govern the operation of the motor, and the operation of the motor is usually the gauge by which the performance of the carburetor is estimated.

It would appear proper, in view of the foregoing statement, as well as the teachings of the entire record in Mock's case, to deem a carburetor, with the economizer of this invention added thereto, as belonging in the third class set forth in the above noted decision. If this is not in error, the experiments conducted with the models all fell short of such a reduction to practice as is defined by the court in this third class.

An unusual pertinent case is that decided by the Court of Appeals of the District of Columbia in the case of *Halbleib* v. *Bendix and Conrad* (285 O. G., 191, 50 App. D. C., 247). In this case the court found that—

> where an engine-starter was constructed by Bijur with a view to securing the business of the Packard Company and in 1912 was put on a car furnished by this company and tested, the result being that it broke frequently during the test, although witnesses claimed that it was successful, explaining that it was broken because purposely subjected to a destructive test, and immediately following the test the Packard Company adopted a different kind of starter, and the Bijur Company, although engaged in the business, did not put such construction on the market, but prepared in 1913 to supply a different device, and Bijur filed ten applications relating to starters, but made no attempt to commercialize the device tested until he saw an exhibit of his rival, *Held* that the conclusion must be drawn that the inventor himself did not regard the test in 1912 as successful and that it was no more than an abandoned experiment.

It is noted the frequent breaking of the starter, constituting the subject of the invention in this cited case, was explained and was not, apparently, considered a factor in the conclusions reached by the court. With this interpretation of the holding of the court the case seems to be very persuasive that in the case at bar there was no reduction to practice on the part of Mock.

Regarding the oral argument presented at the hearing by senior counsel for appellant, in which authorities were cited to show that the statement of a single witness uncorroborated has been accepted in actions heretofore, this phase of the case is not important, because neither appellant, nor, indeed, any witness testifying on his behalf, has made any statement concerning the tests of these various models which if admitted to be wholly true satisfactorily proves a reduction to practice. They all fail to give the necessary information as to the operation of the devices, and they are all too vague, too fragmentary, leaving out the vital things necessary to know in order to reach a conclusion which would overcome the prima facie case established by Johnson's prior constructive reduction to practice.

The decision of the Examiners in Chief affirming the decision of the Examiner of Interferences awarding priority to Johnson is affirmed.

Court of Appeals of the District of Columbia.

NATIONAL BISCUIT COMPANY *v.* BISHOP & COMPANY.

No. 1,536. Decided February 5, 1923.

TRADE-MARKS—"O-SUCH-A" AND "UNEEDA" NOT DECEPTIVELY SIMILAR.

Held that the mark of the applicant is not deceptively similar to that of the opposer.

Mr. William L. Symons for National Biscuit Company.

Mr. J. W. Milburn for Bishop & Company.

Before SMYTH, Chief Justice, ROBB, Justice, and SMITH, Judge U. S. Court of Customs Appeals.

SMYTH, *C. J.*:

Bishop & Company made application to have registered the mark "O-Such-A" as applied to biscuit. Opposition was filed under section 6 of the Trade-Mark Act by the National Biscuit Company, on the ground that the mark of the application was deceptively similar to the registered mark "Uneeda" owned and used by the opposer and applied by it to biscuit. Testimony was taken for the purpose of showing that confusion would likely result in the public mind as to the origin of the goods by the use of the two marks on biscuit. The Examiner of Interferences dismissed the opposition and the Commissioner affirmed his decision.

As already stated the contention of the appellant is that the mark of the applicant is deceptively similar to that of the opposer. We do not think it is. The reasoning employed by us in *National Biscuit Co. v. Pennsylvania Baking Co.* (308 O. G., 3), decided January 2, 1923, is applicable here. There is no need for repeating it.

The decision of the Commissioner is affirmed.

Affirmed.

Court of Appeals of the District of Columbia.

IN RE WESCOTT.

No. 1,558. Decided March 5, 1923.

1. PATENTABILITY—ANTICIPATION—DIFFERENT RESULTS.

Where the invention claimed relates to a process for making motion-picture transparencies, and one of the references was concerned with the problem of making pictures in three colors on a plate or film and disclosed no intent to reach the result achieved by the applicant, and nothing that would enable anyone entertaining such an intent to achieve that result, *Held* that the claims of the application should not be rejected on this reference.

2. SAME—SAME—UNWARRANTED COMBINATION OF REFERENCES.

Where the invention belonged to an obscure and highly technical art and an adverse conclusion was reached because, in the light of the inventor's disclosure, the tribunals of the Patent Office were of the view that anyone skilled in the art could have taken the various references, no one of which was in itself sufficient, and achieved the result reached by him, *Held* that the rejection of the claims was erroneous.

Mr. O. Roberts and *Mr. A. V. Cushman* for the appellant.

Mr. T. A. Hostetler for the Commissioner of Patents.

Before SMYTH, Chief Justice, ROBB, Justice, and SMITH, Judge U. S. Court of Customs Appeals.

ROBB, *J.*:

This is an appeal from a decision of the Patent Office rejecting six claims of the application, the first three claims being for a method and the other three for the article produced. Seven claims were considered by the lower tribunals, but the appeal as to claim No. 3 was withdrawn, leaving the six claims here involved. Claims Nos. 1, 2 and 6 are sufficiently illustrative and are here reproduced:

1. The art of making motion picture transparencies, comprising the simultaneous exposure of different parts of the same sensitive surface, to a plurality of images of the same object-field, viewed from the same point through optically like paths.

2. The art of making motion picture transparencies having series of groups of pictures of which the members are geometrically similar, comprising simultaneously exposing a plurality of picture spaces separated by a plurality of similar spaces of a sensitive surface to a plurality of images formed by light gathered along a single optical axis, and taking a plurality of optically equivalent paths and thereafter moving the sensitive surface through a plurality of spaces and exposing another similar plurality of picture spaces to a plurality of geometrically like images similarly formed.

6. A transparency bearing a series of groups each of complementary geometrically like simultaneous photographs separated by a plurality of spaces for members of similar groups.

The application describes a method of making motion-picture films by simultaneously exposing a plurality of portions of a film to filtered light rays having a common source. It is contended that the words—

viewed from the same point through optically like paths,

in the first claim, and the words—

each group of pictures representing from the same point of view the same object field at the same time, the pictures being geometrically alike,

in the seventh claim, differentiate applicant's conception from the prior art. In the brief for applicant it is stated that the characteristics of the invention—

may all be shortly defined by saying that the complementary pictures are geometrically like images of complementary color-aspects of the same object-field from the same point of view.

The Examiner based his decision largely upon the Bennett patent, issued in France in July of 1913 and in the United States in February of 1917, on an application filed here in April of 1913. Since applicant's filing date was October of 1915, it will be noted that the applications were copending for more than a year. If the position now taken by the Patent Office is correct, an interference should have been declared, so it must be assumed that the Patent Office then was of a different view. Moreover, but for the earlier issuance of a patent in France, this reference could not be considered prior art in any sense. The record contains the affidavits of Louis Derr, professor of physics at the Massachusetts Institute of Technology, and Doctor Comstock, associate professor of physics at the same institution, concerning the Bennett disclosure, and it is needless to suggest that no higher authority could be produced. These gentlemen examined the Bennett application and patent, with special reference to Figures 7 and 8 thereof, and reached the conclusion that the paths of the rays in this patent were not optically alike. As pointed out by Doctor Comstock—

both the Wescott and Bennett disclosures relate to motion picture photography, in which there are very definite practical limitations in the matter of choice of lens as to focal length. Those commonly used range in focal length from 1½ to 3 inches. Lenses of 2 inches focal length predominate. For a 3-inch lens the hyperfocal distance for motion-picture photography is usually taken as 100 feet. Now, whatever the distance of the background, it is the universal practice, in motion picture portrayal of motion, to have the foreground occupied by the "center of interest." So important is that that frequently part of a more distant scene is rephotographed from a very short distance—from 2 to 5 feet—to obtain the so-called "close-ups", without which no picture would succeed commercially.

In Mr. Bennett's proposed arrangement one of the lenses is virtually behind the other by a distance equal to the separation of the pictures. The very distant background appears identical from the point of view of the two lenses, but near objects appear smaller to the more distant lens. • • •

It should be noted also that since the distant background appears the same to both lenses but more of the background is covered by the near object in the case of one lens than in the case of the other, one lens really sees parts of the background which are behind the near object from the point of view of the other lens. • • •

Bennett's pictures are therefore not identical either from the standpoint of geometrical similarity or from the standpoint of the objects photographed. And this failure to be identical is very pronounced and cannot be rectified by any change in his lenses, since the difficulty is in the relation of near object to background, and any change in his lenses would change the appearance of both object and background.

This was substantially the reasoning and conclusion of Professor Derr.

The Board of Examiners in Chief were convinced, from a reading of these two affidavits and an independent examination of the Bennett patent, that this was not "a satisfactory reference"; in other words, that there is no provision in the Bennett patent for viewing the object field from the same point through optically like paths. It is not disputed that unless these conditions obtain applicant's method would not be a success, that is, would not be operative.

The decision of the Primary Examiner was based largely upon the Bennett dislosure which, as we have seen, was rejected by the Board as unsatisfactory. Thereupon the Board examined the British patent to Beck and Bennett, No. 24,159, and Ives patents Nos. 660,442; 546,889; 1,238,775 and 1,262,954. The British patent discloses nothing not found in the Bennett patent and, since the Assistant Commissioner does not mention it in his decision, we must assume that its remoteness was satisfactorily demonstrated to him. As to the Ives patents, one of them (No. 546,889) was not even cited by the Examiner and the applications for two others (Nos. 1,238,775 and 1,262,954), although copending with the application here involved, were not then thought to contain interfering subject matter, for no interference was declared.

[1, 2] It should be remembered that the present invention relates to a process for making motion-picture transparencies, while Ives was concerned with the problem of making pictures in three colors, on a plate or film. Not only is there a total absence in Ives of an intent to reach the result achieved by the present applicant, but his disclosure contains nothing that, in our view, would enable any one entertaining such an intent to achieve that result. The Assistant Commissioner based his decision, as did the Examiner, largely upon the Bennett disclosure, and this, for reasons already given, we think was error. It is apparent from the opinion of the Assistant Commissioner that he was not satisfied to rest his decision solely upon the Bennett disclosure. A reading of the decisions of the three tribunals of the Patent Office reveals that, in this obscure and highly technical art, they have reached a conclusion adverse to the applicant because, in the light of his disclosure, they are of the view that any one skilled in the art could have taken the various references (no one of which is in itself sufficient) and achieved the result reached by him. While a post mortem diagnosis may be valuable, it hardly will be denied that a timely diagnosis, resulting in the saving of life, is of much greater value. There is the same difference in the relative values of an original or real invention and one of the post mortem sort. The one involves the exercise of creative genius or power, the other mere deductions. (*In re Sorum*, 49 App. D. C., 360; 265 Fed., 1000; 275 O. G., 1024.) We have deemed it unnecessary to enter upon a technical review of the various patents involved for the reason that, eliminating the principal reference relied upon, the Bennett patent, we are so fully convinced that there is at least a serious doubt as to the correctness of the final rejection as to warrant us in reversing the decision. This will obviate the necessity on the part of applicant of invoking the jurisdiction of equity and enable him, if the validity of his patent is challenged, to present the merits of his contentions in a more complete and satisfactory manner than is possible here.

The decision therefore is reversed.

Reversed.

PATENT SUITS.

[Notices under section 4921, Revised Statutes, as amended February 18, 1922.]

819,478, A. Wanner, jr., Bent-wood chairs, etc., suit filed Apr. 24, 1923, D. C., N. D. Ill., Doc. 3481, *T. Wanner Co. v. J. Silverman et al.*

890,570, R. A. McLaurin, Gummed paper and process of making same, suit filed May 9, 1923, D. C., M. D. Pa., Doc. 386, *McLaren-Jones Co. v. Eureka Specialty Printing Co.*

910,479, W. S. Andrews, Electric heaters; 1,006,692, Shailor & Storer, Fluid receptacles; 1,127,373, R. H. Read, Electric heaters; 1,149,173, H. P. Ball, Resistance elements, suit filed Apr. 14, 1923, D. C., E. D. Wis., Doc. C. D. 1315, *General Electric Co. et al. v. The Cutler-Hammer Mfg. Co.*

958,478, W. E. Davey, Process of reinforcing trees, suit filed June 25, 1923, D. C., S. D. Iowa, E 4229, *The Davey Tree Expert Co. v. C. C. Bartley.* Same, suit filed June 30, 1923, U. S. D. C., D. Mass., Doc. E 1837, *Davey Tree Expert Co. v. G. Jacques.*

970,656, F. F. Smith, Transom-adjusting devices, suit filed July 20, 1921, D. C., S. D. N. Y., Doc. E 22/57, *F. S. Smith Hardware Co. v. S. H. Pomeroy Co. et al.* Decree adjudging infringement, granting injunction. Plaintiff to recover costs, damages, and profits, filed June 19, 1923.

1,004,385, A. F. Decker, Printers' blankets, suit filed Nov. 8, 1922, D. C., D. Mass., Doc. E 1778, *Tingue Brown & Co. v. New England Fibre Blanket Co.*

1,005,835, J. L. Hill, Neckties; Re. 14,142, W. A. Keys, Neckwear, C. C. Appeals (1st Cir.), Doc. 1622, *Slip Scarf Co. v. Wm. Filene's Sons Co.* Judgment of district court affirmed with costs to defendant in error.

1,006,692. (See 910,479.)

1,011,484, Perkins & Double, Method of excluding water from oil wells, interlocutory decree June 11, 1923, adjudging infringement of claim 2, plaintiff to recover profits. Perpetual injunction restraining defendant from infringing claim 2, with costs to plaintiff. D. C., S. D. Calif., Doc. F 70, *Perkins Oil Well Cementing Co.* v. *Wigle & Cottengim Oil Well Cementing Co.*

1,018,502. Just & Hanaman, Incandescent bodies for electric lamps; 1,180,159, I. Langmuir, Incandescent electric lamps, suit filed Apr. 18, 1923, D. C., E. D. N. Y., Doc. 1249, *General Electric Co.* v. *Bedford Lamp Works, Inc.*

1,045,849, F. L. Jefferies, Apple jelly and method of making same, suit filed June 27, 1923, D. C., W. D. N. Y., Doc. C 455, *Corn Products Refining Co.* v. *Douglas-Pectin Corp.*

1,092,870, Spillman & Mooers, Pistons for explosion engines or motors; 1,279,184, J. G. Vincent, Pistons; 1,327,147, H. D. Church, Hydrocarbon motors; 1,402,309, L. P. Mooers, Piston for internal-combustion motor, suit filed Apr. 9, 1923, D. C., E. D. Mich. (S. D.), Doc. 535, *The Cleveland Trust Co.* v. *E. C. Long Piston Co. et al.*

1,105,230, S. A. Wiltsie, Toasters, suit filed June 18, 1923, D. C., S. D. N. Y., Doc. E 26/396, *Westinghouse Electric Products Co.* v. *Lindeman & Hoverson Co.*

1,125,029, A. E. Lard, Shaft for golf clubs, suit filed June 26, 1923, D. C., D. Conn., Doc. E 1665, *The Metallic Shaft Co.* v. *The Horton Mfg. Co.*

1,127,373. (See 910,479.)

1,145,405. (See 1,363,200.)

1,149,173. (See 910,479.)

1,174,008, S. F. Henderson, Art of preserving eggs; 1,177,105, same, Art of preserving and sterilizing eggs, suit filed May 3, 1923, D. C., S. D. N. Y., Doc. E 26/305, *Clairemont et al.* v. *H. Walters.*

1,177,105. (See 1,174,008.)

1,180,159. (See 1,018,502.)

1,183,425, Re. 14,316, W. B. Ballou, Belt buckles; same, suit filed June 21, 1923, D. C., W. D. N. Y., Doc. C 454, *R. Blackinton & Co.* v. *Hickok Mfg. Co.*

1,195,923, R. Gans, Softening of water, suit filed June 28, 1923, D. C., S. D. N. Y., Doc. E 27/5, *The Permutit Co.* v. *Paige & Jones Chemical Co., Inc.*

1,214,331, M. Levy, Hæmocytometers, suit filed June 19, 1923, D. C., W. D. N. Y., Doc. C 453, *C. A. Hausser et al.* v. *Bausch & Lomb Optical Co.*

1,271,006, A. S. Becker, Process for printing and transferring decalcomanias to china, metal, wood, etc., suit filed June 19, 1923, D. C., S. D. Ohio, Doc. E 308, *The Palm Bros. Co.* v. *The Glow Electric Co.*

1,275,260, Horn & Lindhorst, Torches, suit filed June 23, 1923, D. C., E. D. Mich., Doc. 590, *Detroit Torch & Mfg. Co.* v. *Clayton & Lambert Mfg. Co.*

1,279,184. (See 1,092,870.)

1,279,738. (See 1,291,588.)

1,291,588, T. W. Maves, Process of burning out invested models; 1,279,738, Re. 14,730, same, Ovens for burning out invested models, suit filed June 29, 1923, D. C., W. D. N. Y., Doc. C 456, *T. W. Maves et al.* v. *Buffalo Dental Mfg. Co.*

1,314,799, G. K. Guinzburg, Garment protector, suit filed Apr. 30, 1923, D. C., D. Conn., Doc. E 1656, *I. B. Kleinert Rubber Co.* v. *The Weil Corset Co.*

1,327,147. (See 1,092,870.)

1,335,942, E. R. Durgin, Rims for eyeglasses and spectacles, suit filed May 31, 1921, D. C., W. D. N. Y., Doc. B 349, *New Jersey Optical Co.* v. *Shur-On Optical Co.* Discontinued.

1,363,200, Wells & Hunter, Automatic feed and delivery for platen presses; 1,145,405, E. Cheshire, Paper feeding and handling devices, suit filed June 15, 1923, D. C., E. D. Wis., Doc. C. D. 1340, *Miller Saw-Trimmer Co.* v. *O. L. Schilffarth, etc.*

1,367,428, G. W. Presseli, Base for metal-cutting compounds and process of preparing the same, suit filed Apr. 14, 1923, D. C., N. D. Ill., Doc. 3463, *E. F. Houghton & Co.* v. *D. A. Stuart & Co.*

1,371,573, J. Primbs, Banking forms, Decree adjudging patent valid, D. C., D. Oreg., *G. Primbs & Sons, Inc.*, v. *Irwin-Hodson Co.*

1,373,108, Stoehrer & Stoehrer, Amusement apparatus, suit filed June 26, 1923, D. C., D. Md., Doc. E 368, *Stoehrer & Pratt Dodgem Corp.* v. *The Glen Echo Park Co., Inc.*

1,399,570, E. C. Myers, Tractor, suit filed May 26, 1923, D. C., E. D. Wis., Doc. C. D. 1329, *E. C. Myers et al.* v. *T. W. Meiklejohn Co.*

1,402,309. (See 1,092,870.)

1,404,539, C. K. Nelson, Confection, suit filed Mar. 1, 1922, D. C., E. D. Wis., Doc. C. D. 1203, *R. Stover et al.* v. *Milwaukee Printing Co. et al.* Decree for plaintiff June 5, 1923.

Re. 14,142. (See 1,005,835.)

Re. 14,316. (See 1,183,425.)

Re. 14,730. (See 1,291,588.)

TRADE-MARKS

OFFICIAL GAZETTE, AUGUST 7, 1923.

[VOL. 313. No. 1.]

The following trade-marks are published in compliance with section 6 of the act of February 20, 1905, as amended March 2, 1907. Notice of opposition must be filed within thirty days of this publication.

Marks applied for "under the ten-year proviso" are registrable under the provision in clause (b) of section 5 of said act as amended February 18, 1911.

As provided by section 14 of said act, a fee of ten dollars must accompany each notice of opposition.

Ser. No. 127,709. (CLASS 39. CLOTHING.) L. H. BURGOWER, doing business as The Vogue, Dallas, Tex. Filed Jan. 26, 1920.



Particular description of goods.—Women's Outer Coats, Suits, Dresses, and Hats.
Claims use since Mar. 6, 1919.

Ser. No. 129,592. (CLASS 13. HARDWARE AND PLUMBING AND STEAM-FITTING SUPPLIES.) FORD & KENDIG CO., Philadelphia, Pa. Filed Mar. 12, 1920.

KENFORD

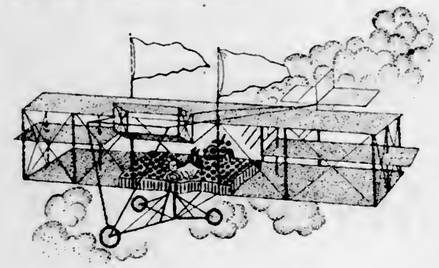
Particular description of goods.—Stopcocks, and Stop and Waste Cocks and Metal Pipe Unions.
Claims use since Jan. 30, 1912.

Ser. No. 135,764. (CLASS 36. MUSICAL INSTRUMENTS AND SUPPLIES.) THE STARR PIANO COMPANY, Richmond, Ind. Filed Aug. 3, 1920.

REMINGTON

Particular description of goods.—Player Pianos, Phonographs, and Records for Phonographs.
Claims use since December, 1907.

Ser. No. 136,603. (CLASS 32. FURNITURE AND UPHOLSTERY.) THE ROBINSON-RODERS CO., INC., Newark, N. J. Filed Aug. 28, 1920.



Particular description of goods.—Mattresses, Pillows, Bolsters, and Cushions Which are Filled with a Soft Filling Material.
Claims use since Dec. 23, 1910.

Ser. No. 143,533. (CLASS 32. FURNITURE AND UPHOLSTERY.) HARRY E. BURROUGHS, Boston, Mass. Filed Feb. 14, 1921.

HAPPY-BABY

Trade-mark consists of the words "Happy Baby."
Particular description of goods.—Swing Couch Hammocks.
Claims use since Jan. 24, 1921.

Ser. No. 144,303. (CLASS 27. HOROLOGICAL INSTRUMENTS.) WARREN CLOCK COMPANY, Ashland, Mass. Filed Mar. 3, 1921.

Telechron

Particular description of goods.—Time-Indicating Apparatus—Namely, Clocks.
Claims use since December, 1919.

Ser. No. 149,881. (CLASS 39. CLOTHING.) WILLIAMS-RICHARDSON COMPANY, LTD., New Orleans, La. Filed June 30, 1921.



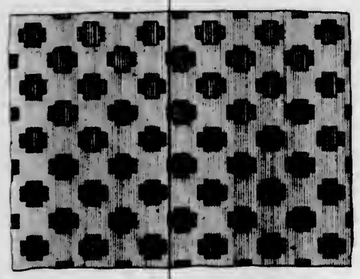
Particular description of goods.—Hosiery, Underwear of Knitted and Textile Fabrics, and Dress, Negligee, and Work Shirts.
Claims use since January, 1912.

Ser. No. 150,310. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) DUNLEVY PACKING COMPANY, Pittsburgh, Pa., assignor to Dunlevy-Franklin Company, a Corporation of Pennsylvania. Filed July 13, 1921.

WHITE LILY

Particular description of goods.—Butter, Oleomargarine, Eggs in the Shell, Lard, Fresh, Cooked, Cured, Dried, Salted, and Smoked Meats, and Sausage.
Claims use since 1891.

Ser. No. 150,319. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) LEWIS MANUFACTURING COMPANY, Walpole, Mass. Filed July 13, 1921.



The trade-mark consists of a group or multiplicity of dark-blue crosses on a light-blue background.
Particular description of goods.—Cheesecloth, Crinoline, and Bunting in the Piece.
Claims use since Mar. 15, 1920.

Ser. No. 150,413. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) TAYLOR PRODUCE CO., Kalamazoo and Battle Creek, Mich. Filed July 15, 1921.

Arcola

Particular description of goods.—Butter, Eggs, and Cheese.
Claims use since Jan. 1, 1904.

Ser. No. 151,775. (CLASS 39. CLOTHING.) WIMELBACHER & RICE, New York, N. Y. Filed Aug. 13, 1921.

Twoplex

Trade-mark consists of the word "Twoplex."
Particular description of goods.—Fabric and Skin Gloves for Men, Women, and Children.
Claims use since February, 1920.

Ser. No. 155,342. (CLASS 39. CLOTHING.) GOLDMAN COSTUME COMPANY, INC., New York, N. Y. Filed Nov. 14, 1921.

Doris Cleveland Traveling Robe

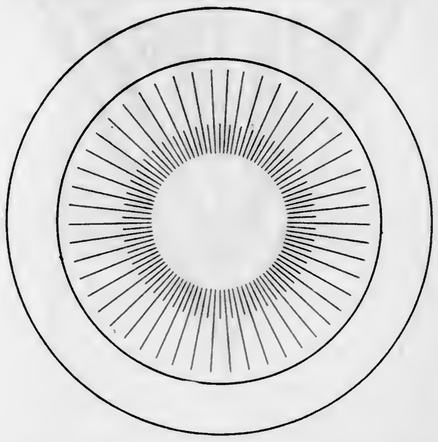
No claim is made to the exclusive use of the words "Traveling Robe" apart from the mark shown on the drawing. The words "Doris Cleveland" as shown on the drawing are a facsimile of the first and middle names in the signature of Doris Cleveland Harris, the individual who designed the garment to which the mark is attached.
Particular description of goods.—Ladies' Dressing Gowns.
Claims use since about October, 1921.

Ser. No. 155,725. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) WALKER WEBBING CO., Providence, R. I. Filed Nov. 21, 1921.



Particular description of goods.—Hair Nets.
Claims use since 1911.

Ser. No. 157,637. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) STAMBAUGH & RABE, Akron, Ohio, and Auburndale, Fla. Filed Jan. 7, 1922.



Particular description of goods.—Citrous Fruits in Their Natural State—Namely, Grapefruit, Oranges, Tangerines, Lemons, Kumquats, Alligator Pears, and Grapes.
Claims use since Nov. 18, 1921.

Ser. No. 157,910. (CLASS 39. CLOTHING.) LOUIS BAEFFSKY, doing business as Famous Raincoat Company, Cincinnati, Ohio. Filed Jan. 14, 1922.



No claim made for "Hudson Clothes" apart from the mark shown.
Particular description of goods.—Men's and Boys' Overcoats and Suits.
Claims use since May 4, 1921.

Ser. No. 158,169. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) JOHN F. GALLAGHER, Chicago, Ill. Filed Jan. 19, 1922.

NOX-A-MITE

Particular description of goods.—Preparation Used for the Destruction and Eradication of Lice, Insects, and Other Vermin.
Claims use since May 15, 1919.

Ser. No. 158,417. (CLASS 14. METALS AND METAL CASTINGS AND FORGINGS.) THE CONSOLIDATED MINING AND SMELTING COMPANY OF CANADA, LIMITED, Trail, British Columbia, Canada. Filed Jan. 25, 1922.

TADANAC

Particular description of goods.—Lead, Zinc, Copper, Gold, Silver, Antimony, and Iron.
Claims use since Mar. 21, 1916.

Ser. No. 158,705. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) DE BRUYN, LIMITED, London, England. Filed Feb. 1, 1922.

GLYMOL

Particular description of goods.—Flour Improvers, a Compound Consisting of Glycerine, Oils, and Fats.
Claims use since September, 1921.

Ser. No. 159,410. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) THE COLONIAL BISCUIT COMPANY, Philadelphia, Pa. Filed Feb. 16, 1922.

COLONIAL

GOLDEN GLOW

Particular description of goods.—Cakes.
Claims use since Oct. 10, 1921.

Ser. No. 159,502. (CLASS 39. CLOTHING.) CHAS. R. DE BEVOISE CO., Newark, N. J. Filed Feb. 18, 1922.

Danseway

Particular description of goods.—Brassières.
Claims use since Jan. 16, 1922.

Ser. No. 159,503. (CLASS 39. CLOTHING.) CHAS. R. DE BEVOISE CO., Newark, N. J. Filed Feb. 18, 1922.

Smartway

Particular description of goods.—Brassières.
Claims use since Jan. 16, 1922.

Ser. No. 159,581. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) LEON HAYMAN, doing business as Hayman's Hair Shop, New York, N. Y. Filed Feb. 20, 1922.

KALDINE



The picture shown in the drawing is fanciful.

Particular description of goods.—Hair Dyes and Coloring for Eyebrows and Eyelashes.

Claims use since about Jan. 1, 1922.

Ser. No. 159,885. (CLASS 15. OILS AND GREASES.) EDWARD A. REICHEL CO., Milwaukee, Wis. Filed Feb. 27, 1922.

MOTOR MARVEL

Particular description of goods.—Oils and Greases Used for Lubricating Purposes.

Claims use since Dec. 15, 1921.

Ser. No. 160,140. (CLASS 12. CONSTRUCTION MATERIALS.) OERTEL ROOFING MANUFACTURING COMPANY, now by change of name Stormcote Roofing Corporation, East St. Louis, Ill. Filed Mar. 3, 1922.

Weathercote

Particular description of goods.—Rag Fiber and Asphalt Roofing.

Claims use since about June 9, 1921.

Ser. No. 160,296. (CLASS 32. FURNITURE AND UPHOLSTERY.) R. H. MACY & CO., INC., New York, N. Y. Filed Mar. 7, 1922.

IRONKRAFT

Particular description of goods.—Household Furniture Comprising Tables, Side Chairs, and Armchairs.

Claims use since June 10, 1921.

Ser. No. 160,570. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) VIKING SPECIALTY COMPANY, Worcester, Mass. Filed Mar. 11, 1922.

VIKING

Particular description of goods.—Screwdrivers, Wrenches, and Wrench Sets.

Claims use since about Oct. 1, 1921.

Ser. No. 160,905. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) RIVER-LAKE CHEMICAL CO., Silver Spring, Md. Filed Mar. 18, 1922.

THE RIVER-LAKE FIRE EXTINGUISHER

No claim is made to the words "Fire Extinguisher" appearing in the drawing apart from the mark as shown.

Particular description of goods.—Fire-Extinguishing Compound.

Claims use since April, 1921.

Ser .No. 161,325. (CLASS 36. MUSICAL INSTRUMENTS AND SUPPLIES.) LYON & HEALY, Chicago, Ill., assignor to Lyon & Healy, Inc., Chicago, Ill., a Corporation of Illinois. Filed Mar. 27, 1922.

INSPIRATION

Particular description of goods.—Cornets.

Claims use since June 1, 1915.

Ser. No. 161,403. (CLASS 32. FURNITURE AND UPHOLSTERY.) APPLETON TOY & FURNITURE CO., Appleton, Wis. Filed Mar. 29, 1922.



No claim is made to the word "Appleton" or to the representation of a chair except in connection with the mark as shown.

Particular description of goods.—Porch Furniture—Namely, Settees, Chairs and Rockers, and Chairs for Children's Use.

Claims use since Feb. 1, 1921.

Ser. No. 161,483. (CLASS 19. VEHICLES, NOT INCLUDING ENGINES.) FAUROT-SCOPE CORP., New York, N. Y. Filed Mar. 30, 1922.

Faurot-Scope

Particular description of goods.—Signal Devices Mounted Upon Automobiles and Other Motor Vehicles for Indicating the Presence or Absence of the Owner Thereof.

Claims use since Oct. 17, 1921.

Ser. No. 162,154. (CLASS 38. PRINTS AND PUBLICATIONS.) J. F. WIGGIN, doing business as KYOGRAPH Photo System, New York, N. Y. Filed Apr. 11, 1922.

Kyograph Photo System

No claim is made to the exclusive use of the words "Photo System" apart from the mark shown in the drawing.

Particular description of goods.—Photographs.

Claims use since June, 1919.

Ser. No. 162,678. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) JAMES R. KENDRICK CO. INC., Philadelphia, Pa. Filed Apr. 21, 1922.

Kenlastic

Particular description of goods.—Knitted Elastic Fabric in the Piece.

Claims use since about Mar. 14, 1922.

Ser. No. 162,744. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) H. JEVNE CO., Los Angeles, Calif. Filed Apr. 22, 1922.



Particular description of goods.—Coffee.

Claims use since October, 1921.

Ser. No. 162,820. (CLASS 4. ABRASIVE, DETERGENT, AND POLISHING MATERIALS.) THE IMPORT DRUG SPECIALTIES CO., Cleveland, Ohio. Filed Apr. 24, 1922.

KLENZ-ALL

Particular description of goods.—Liquid Cleaning Compound for Removing Spots and Cleaning All Fine Materials, Such as Silk, Satins, Velvets, Furs, Feathers, and Delicate Fabrics, without Affecting the Color and Leaving no Odor or Stain.

Claims use since December, 1917.

Ser. No. 163,173. (CLASS 1. RAW OR PARTLY-PREPARED MATERIALS.) ATTILIO PIERINI, New York, N. Y. Filed May 1, 1922.



No claim made to the word "Sealine" apart from what is shown in the drawing.

Particular description of goods.—Furs and Pelts.

Claims use since Apr. 5, 1922.

Ser. No. 163,693. (CLASS 21. ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES.) MANNESMANN-RÖHREN-WERKE, Dusseldorf, Germany. Filed May 11, 1922.



Particular description of goods.—Lightning Arresters and Rods, Tips, and Connectors Thereof; Trolley Poles for Electric Cars, Electric-Lamp Stands and Bases, Electric-Lighting Fixtures, Poles for Carrying Electric Wires, Electric-Wire Conduits and Fittings Therefor, Trolley-Wire Contact Springs and Bows, Stands for Electric Signaling Apparatus, Portable Electric Signaling Masts, and Electric Bells and Gongs.
Claims use since November, 1912.

Ser. No. 164,562. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) J. A. SHANNON & SON, Iowa Falls, Iowa. Filed May 26, 1922.



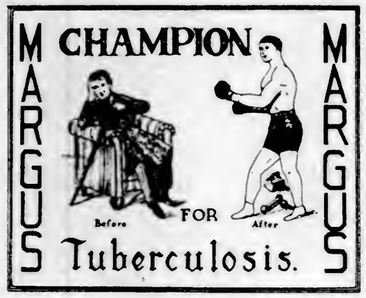
No claim is made to the exclusive use of the words "Brand" and "Hi Quality" apart from the other features of the mark shown.
Particular description of goods.—Dressed Poultry and Eggs.
Claims use since Oct. 1, 1914.

Ser. No. 164,567. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) SUNNY SUSAN LABORATORIES, INC., Buffalo, N. Y. Filed May 26, 1922.

SUNNY SUSAN

Particular description of goods.—Freckle-Removing or Bleaching Cream.
Claims use since May 23, 1922.

Ser. No. 164,656. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) JULIE MARGUS, Berkeley, Calif. Filed May 29, 1922.



No claim is made to the words "For Tuberculosis, Before and After" apart from the mark shown on the drawing.
Particular description of goods.—Liquid Medicine for Tuberculosis.
Claims use since Apr. 1, 1922.

Ser. No. 165,902. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) THE UBIKO MILLING COMPANY, Cincinnati, Ohio. Filed June 22, 1922.

UBIKO

Particular description of goods.—Stock and Poultry Foods.
Claims use since July 28, 1908.

Ser. No. 166,120. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) WINSTON, HARPER, FISHER COMPANY, Minneapolis, Minn. Filed June 26, 1922.

KISMET

Particular description of goods.—Canned Oysters, Canned Salmon, Canned Sardines, Canned Apricots, Canned Grapes, Canned Peaches, Canned Pears, Canned Pineapple, Canned Raspberries, Canned Strawberries, Canned Lima Beans, Canned Stringless Beans, Canned Wax Beans, Canned Beets, Canned Corn, Canned Hominy, Canned Peas, Canned Pumpkin, Canned Sauerkraut, Canned Spinach, Canned Tomatoes, Coffee, Flavoring Extracts for Food Purposes, Imitation Fruit Jelly, Peanut Butter, Sirups for Food Purposes, and Molasses.
Claims use since Jan. 1, 1908.

Ser. No. 166,186. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) L. LEICHNER, Berlin, Germany. Filed June 28, 1922.



No claim is made to the words "Gesetzlich Geschutzt" apart from the mark as shown on the drawing.
Particular description of goods.—Face Powder, Toilet Rouge Powder, Toilet Rouge Sticks, Toilet Liquid Rouge, Toilet Rouge Remover, Toilet Creams, Toilet Powdered Paper, Toilet Cosmetic Pastes, Toilet Nail-Polishing Material, Dry Rouge, Toilet Waters, and Perfumes.
Claims use since 1894.

Ser. No. 166,192. (CLASS 4. ABRASIVE, DETERGENT, AND POLISHING MATERIALS.) A. P. MUNNING & CO., Matawan, N. J. Filed June 28, 1922.

Invincible

Particular description of goods.—Cloth Polishing Wheels.
Claims use since May 1, 1911.

Ser. No. 166,636. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) BALDWIN TOOL WORKS, Parkersburg, W. Va. Filed July 10, 1922.

PINNACLE

Particular description of goods.—Shovels, Spades, Scoops, Posthole Diggers, and Wooden Handles.
Claims use since 1905.

Ser. No. 167,151. (CLASS 39. CLOTHING.) JACOB SCHWARTZ, doing business as Pacific Children's Wear Mfg. Co., Los Angeles, Calif. Filed July 20, 1922.

GOOSEY GANDER



Particular description of goods.—Rompers, Wash Suits, Dresses, Suits, and Bloomers.
Claims use since June 5, 1922.

Ser. No. 167,612. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) GLENN R. GILBERT, doing business as Azol Laboratories, Chicago, Ill. Filed July 31, 1922.

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Particular description of goods.—Tooth Paste, Mouth Wash, Pyorrhea Astringent, Hair Tonic, Face Powder, Perfumes, and Hand Lotions.
Claims use since Apr. 1, 1916.

Ser. No. 167,645. (CLASS 19. VEHICLES, NOT INCLUDING ENGINES.) WILLIAM MODRA, doing business as Laclede Brass Works, St. Louis, Mo. Filed July 31, 1922.



Applicant makes no claim to the words "Pat. Pend." and "St. Louis." No claim is made to the words "Sun Visor" apart from the word "Laclede."
Particular description of goods.—Sun Visors.
Claims use since about October, 1921.

Ser. No. 167,796. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) BOOTH-COAHRAN CO., San Diego, Calif. Filed Aug. 4, 1922.

B. AND C.
KAL-OFF
CALLOUS REMOVER

No claim is made to the words "Callous Remover" apart from the mark shown.

Particular description of goods.—Preparation for Removing Callouses and Corns from the Feet.

Claims use since June 1, 1921.

Ser. No. 168,111. (CLASS 38. PRINTS AND PUBLICATIONS.) THE J. C. HUB MANUFACTURING COMPANY, Cleveland, Ohio. Filed Aug. 11, 1922.

Hub

Particular description of goods.—Various Completely-Printed Jobs—Specifically House Organs, Catalogues, Price Lists, Broadsides, and Like Commercial Printing.

Claims use since May, 1917.

Ser. No. 168,527. (CLASS 39. CLOTHING.) THE HARPER & KIRSCHTEN SHOE CO., Chicago, Ill. Filed Aug. 21, 1922.

Mary Adams



The picture is fanciful.

Particular description of goods.—Shoes Made Wholly or in Part of Leather.

Claims use since 1912.

Ser. No. 168,662. (CLASS 28. JEWELRY AND PRECIOUS-METAL WARE.) WHITING & DAVIS COMPANY, Plainville, Mass. Filed Aug. 24, 1922.

SUNSET

Particular description of goods.—Mesh Bags Comprised Wholly or in Part of Precious Metal.

Claims use since July 31, 1922.

Ser. No. 169,161. (CLASS 19. VEHICLES, NOT INCLUDING ENGINES.) EMBLEM MANUFACTURING COMPANY, Angola, N. Y. Filed Sept. 7, 1922.

EMBLEM

Particular description of goods.—Cycles—Namely, Foot-Propelled Cycles Known as Bicycles and Motor-Propelled Cycles Known as Motor Cycles.

Claims use on bicycles since 1892; on motor cycles since 1909.

Ser. No. 169,458. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) EDWARD SMIDT, Nybollegaard, Denmark. Filed Sept. 14, 1922.

DANAZOLA

Particular description of goods.—Export Cream, Condensed Milk, and Cheese.

Claims use since Mar. 26, 1921.

Ser. No. 169,604. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) PEERLESS CONFECTION COMPANY, Chicago, Ill. Filed Sept. 18, 1922.



The shading in the drawing indicates blue, brown, red, and gold, respectively.

Particular description of goods.—Candies.

Claims use since September, 1914.

Ser. No. 169,720. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) C. H. LEACH COMPANY, Boston, Mass. Filed Sept. 20, 1922.

FRACTO

Trade-mark consists of the word "Fracto."

Particular description of goods.—Oil Condensers, Heat Exchangers, and Dephlegmators.

Claims use since on or about Sept. 9, 1922.

Ser. No. 169,807. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) GROPPER KNITTING MILLS, INC., New York, N. Y. Filed Sept. 22, 1922.

GROPPER
KNIT

No claim is made to the word "Knit" apart from the mark shown in the drawing.

Particular description of goods.—Dress Goods and All Knit Fabrics—Namely, Fabrics Made of Wool, Silk, Cotton, and Mixtures of the Same.

Claims use since Aug. 1, 1922.

Ser. No. 170,010. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) EARL FRUIT COMPANY, Sacramento, Calif. Filed Sept. 28, 1922.

CLEAR LAKE

Particular description of goods.—Fresh Deciduous Fruits.

Claims use since July 11, 1922.

Ser. No. 170,351. (CLASS 25. LOCKS AND SAFES.) BAKER, HAMILTON AND PACIFIC COMPANY, San Francisco, Calif. Filed Oct. 6, 1922.

STILETTO

Particular description of goods.—Padlocks and Key Blanks.

Claims use since February, 1917, on padlocks; since January, 1922, on key blanks.

Ser. No. 170,353. (CLASS 12. CONSTRUCTION MATERIALS.) BAKER, HAMILTON AND PACIFIC COMPANY, San Francisco, Calif. Filed Otc. 6, 1922.

STILETTO

Particular description of goods.—Asphalt-Saturated Roofing Felt, Building Paper, Deadening Felt, Prepared Roofing, and Rosin-Sized Sheathing.

Claims use since October, 1919.

Ser. No. 170,355. (CLASS 21. ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES.) BAKER, HAMILTON AND PACIFIC COMPANY, San Francisco, Calif. Filed Oct. 6, 1922.

STILETTO

Particular description of goods.—Adhesive Tape for Electrical Purposes.

Claims use since February, 1904.

Ser. No. 170,356. (CLASS 5. ADHESIVES.) BAKER, HAMILTON AND PACIFIC COMPANY, San Francisco, Calif. Filed Oct. 6, 1922.

STILETTO

Particular description of goods.—Adhesive Tape.

Claims use since February, 1904.

Ser. No. 170,557. (CLASS 4. ABRASIVE, DETERGENT, AND POLISHING MATERIALS.) THE BON AMI COMPANY, INC., New York, N. Y. Filed Oct. 11, 1922.



Particular description of goods.—Scouring Soap in Cake and Powdered Form.

Claims use since Dec. 11, 1901.

Ser. No. 170,632. (CLASS 39. CLOTHING.) THE DRAPER-MAYNARD COMPANY, Plymouth, N. H. Filed Oct. 12, 1922.

The Lucky Dog Kind

Particular description of goods.—Athletic Shirts, Jerseys, and Sweaters.

Claims use since May 1, 1920.

Ser. No. 170,650. (CLASS 35. BELTING, HOSE, MACHINERY PACKING, AND NONMETALLIC TIRES.) JEWELL BELTING COMPANY, Hartford and West Hartford, Conn. Filed Oct. 12, 1922.

Green Link

Particular description of goods.—Leather Belts for Machinery.

Claims use since Sept. 18, 1922.

Ser. No. 170,814. (CLASS 39. CLOTHING.) JULIUS GARFINKLE, doing business as Julius Garfinkle & Co., Washington, D. C. Filed Oct. 17, 1922.

JOYANT

Particular description of goods.—Ladies' and Misses' Silk and Cotton Underwear of Textile Fabric.

Claims use since June 27, 1922.

Ser. No. 170,919. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) HULMAN & Co., Terre Haute, Ind. Filed Oct. 17, 1922.

DAUNTLESS



Particular description of goods.—Spices, Comprising Allspice, Bay Leaves, Cassia, Cinnamon, Cloves, Ginger, Laurel Leaves, Mace, Nutmegs, Pepper, Mixed Spices, Sage, and Mustard; Flavoring Extracts for Food Purposes, Peanut Butter, Honey, Jams, Jellies, Apple Butter, Peach Butter; Sirups Comprising Cane and Maple, Sugar Sirup, and Corn-Sugar Sirup; Canned Vegetables Comprising Beets, Peas, Spinach, Sweet Potatoes, Tomatoes, Corn, Hominy, Sauerkraut, Pumpkin; Beans Comprising Red Kidney Beans, Lima Beans, Navy Beans, Green String Beans, and Wax Beans; Canned Fruits Comprising Strawberries, Blackberries, Raspberries, Cherries, Peaches, Apricots, Pears, Pineapple, Gooseberries, Fruit Salad or Mixed Fruits; Canned Meats Comprising Sliced Beef, Canned Fish Comprising Salmon and Sardines, Canned Oysters, Lake Herring, Evaporated Milk, Pickles, Olives, Salad Oil, Salad Dressing, Catchup, Pepper Sauce, Chili Sauce, Prepared Mustard, Apple Cider Vinegar, Mincemeat; Dried and Evaporated Fruits Comprising Peaches, Apricots, Prunes, Raisins, and Currants; Candied Peel Comprising Lemon, Orange, and Citron; Rolled Oats, Rice Flour Comprising Buckwheat and Barley, Tapioca, Gelatin, Pop Corn, Cheese, Lard, Sugar, Cocoa, Coffee, Tea; and Table Seeds Comprising Anise, Star Anise, Caraway, Celery, Mustard, and Poppy; Cottonseed Table Oil, Prepared Mustard with Horse-Radish, Horse-Radish; Apple and Strawberry Jelly, Apple Jelly, Apple and Blackberry Jelly, Apple and Strawberry Jam, Apple and Raspberry Jelly, Apple and Peach Jelly, Apple and Peach Jam, Apple and Blackberry Jam, Apple and Raspberry Jam, Apple and Blackberry Preserves, Apple and Peach Preserves, Apple and Strawberry Preserves, Apple and Raspberry Preserves, Sorghum, Strawberry Crushed Fruit, Pineapple Crushed Fruit, Cornstarch, Canary Seed, Pancake Flour, Red Beans.

Claims use since 1906.

Ser. No. 170,942. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) C. J. MARTIN, Austin, Tex. Filed Oct. 19, 1922.

TAROLINE

Particular description of goods.—Wood Preservative and Disinfectant and Insecticide.

Claims use since July 1, 1922.

Ser. No. 170,943. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) C. J. MARTIN, Austin, Tex. Filed Oct. 19, 1922.

Turkey tone

Particular description of goods.—Poultry Medicine for the Treatment of Blackhead, Yellow Diarrhea, Turkey Pox, Bowel Trouble, and Worms.

Claims use since Feb. 1, 1922.

Ser. No. 170,957. (CLASS 39. CLOTHING.) BENJAMIN F. SNYDER, doing business as B. F. Snyder Co., San Francisco, Calif. Filed Oct. 19, 1922.

PRIDE O' WEST

Particular description of goods.—Ladies', Misses', and Children's Ready-to-Wear Wash Garments—Namely, Cotton Wash Dresses, Aprons, Bloomers, Pyjamas, Flannelette Gowns and Pyjamas; Children's Sleeping Garments, Rompers, and Creepers; Also Men's and Boys' Night-Wear—Namely, Pyjamas.

Claims use since Aug. 15, 1922.

Ser. No. 171,154. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) THE DEANE PLASTER CO., Yonkers, N. Y. Filed Oct. 25, 1922. Under ten-year proviso.

Deane's

Particular description of goods.—Medicated and Surgical Plasters, Kidney Plasters, Medicated Plasters—viz, Belladonna, Capsicum, Blister (Cantharides), Breast, Cough, Menthol, Mercurial, Porous, Mustard, Oxide of Zinc, Arnica, Plain Court Plasters—Medicated Adhesive Tape, Corn Plasters, and Foot Plasters.

Claims use since 1883.

Ser. No. 171,314. (CLASS 50. MERCHANDISE NOT OTHERWISE CLASSIFIED.) THE GOSHEN CHURN & LADDER COMPANY, Goshen, Ind. Filed Oct. 28, 1922.

Famous

Particular description of goods.—Ladders and Step Stools.

Claims use since Oct. 1, 1901.

Ser. No. 171,470. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) THE RUBBER SERVICE LABORATORIES COMPANY, Akron, Ohio. Filed Nov. 1, 1922.

A-7 (ETHYLIDENE ANILINE)

The words "Ethylidene Aniline" are hereby disclaimed apart from the mark as shown.

Particular description of goods.—Compound Used in the Curing of Rubber Articles.

Claims use since July 18, 1922.

Ser. No. 171,522. (CLASS 39. CLOTHING.) HARRY W. ANTHONY, Strausstown, Pa. Filed Nov. 3, 1922.

Darn Proof

"Darn Proof Heel and Toe"

The words "Heel and Toe" form no part of the registration sought apart from the mark shown on the drawing.

Particular description of goods.—Men's Hosiery.

Claims use since Oct. 6, 1911.

Ser. No. 171,832. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) E. DE HAEN A.-G., Seelze, Germany. Filed Nov. 11, 1922.

Fixanal

Particular description of goods.—Chemicals for General Laboratory Work, and for Technical and Industrial Chemicals and Photographic Chemicals.

Claims use since May, 1922.

Ser. No. 172,086. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) ELI H. DUNN, doing business as Eli Laboratory and E. H. Dunn & Co., Kansas City, Mo. Filed Nov. 16, 1922.

"OSMOTONE"

Particular description of goods.—Medical Product.

Claims use since Feb. 1, 1920.

Ser. No. 172,132. (CLASS 39. CLOTHING.) E. M. TOWNSEND & Co., New York, N. Y. Filed Nov. 16, 1922.

"MARATHON"



BEST IN THE LONG RUN

The statement "Best in the Long Run" is disclaimed apart from the mark shown in the drawing, although it is understood that no common-law rights which inherently attach to the slogan are waived. Across the front of the drawing appears the indorsement "Good Enough for Me" and a facsimile signature of John J. Hayes.

Particular description of goods.—Hosiery.

Claims use since Mar. 2, 1900.

Ser. No. 172,293. (CLASS 39. CLOTHING.) REGAL KNITTING COMPANY, New York, N. Y., assignor to Bear Brand Hosiery Co., Chicago, Ill., a Corporation of Illinois. Filed Nov. 20, 1922.

Regal KNIT-WEAR

The right to the exclusive use of the word "Knit-Wear" is disclaimed apart from the trade-mark as shown in the drawing.

Particular description of goods.—Knitted Wear for Infants and Children—Namely, Bootees; Bootee Sets Consisting of Bootees, Bonnet, and Sack; Sacks, Hoods, Mittens, Scarfs, Toques, Leggings, Caps, Sweaters, Tams; Sweater Sets Consisting of Sweater, Leggings, Cap, and Mittens; Angora Sweater Suits Consisting of Sweater, Leggings, Caps, and Mittens; and Scarf Sets Consisting of Tam and Cap.

Claims use since Oct. 16, 1922.

Ser. No. 172,603. (CLASS 39. CLOTHING.) LEE BROTHERS COMPANY, San Antonio, Tex. Filed Nov. 27, 1922.



The words "Brand Garments" and "Will Not Rip" are hereby disclaimed except in combination with the mark shown.

Particular description of goods.—Trousers, Overalls, Dress, Negligee, and Work Shirts.

Claims use since Aug. 15, 1922.

Ser. No. 172,630. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) JEAN CHARLES WORTH, Paris, France, assignor to Société Worth, Paris, France, a Firm. Filed Nov. 27, 1922.

DANS LA NUIT

Particular description of goods.—Perfumes.

Claims use since Dec. 3, 1920.

Ser. No. 172,669. (CLASS 39. CLOTHING.) SAMUEL A. FRIEDMAN, Schenectady, N. Y. Filed Nov. 29, 1922.

The Julian
A House of Fashions

"A House of Fashions" is hereby disclaimed apart from the mark shown.

Particular description of goods.—Ladies' Hats, Caps, and Waists.

Claims use since Feb. 23, 1917.

Ser. No. 172,682. (CLASS 39. CLOTHING.) B. B. & R. KNIGHT, INC., Providence, R. I., and New York, N. Y. Filed Nov. 29, 1922.

FRUIT OF THE LOOM

Particular description of goods.—Nurses' and Maids' Uniforms, Caps, and Aprons; Men's and Boys' Dress and Negligee Shirts, Boys' Blouses, Kitchenette Aprons, Ladies' Dresses, Women's and Children's Textile Underwear; Nightshirts and Pyjamas for Men, Women, Boys, and Girls.

Claims use since Nov. 23, 1891.

Ser. No. 172,831. (CLASS 39. CLOTHING.) JACOB FORSTADT, doing business as Apaca Knitting Mills, Philadelphia, Pa. Filed Dec. 2, 1922.



Particular description of goods.—Knitted Sweaters, Mufflers, Golf Hose, and Bathing Suits.

Claims use since on or about Mar. 1, 1922.

Ser. No. 172,876. (CLASS 39. CLOTHING.) EWALD GROBEL, Philadelphia, Pa. Filed Dec. 4, 1922.



No claim is made to the words "Wear Well," "Wear Tells Hose," and "Trade-Mark" apart from the mark shown in the drawing.

Particular description of goods.—Hosiery.

Claims use since about Nov. 8, 1922.

Ser. No. 172,909. (CLASS 39. CLOTHING.) HERMAN SCHNEIDER, Mount Vernon, New Rochelle, White Plains, N. Y., and Stamford, Conn. Filed Dec. 5, 1922.

Theresa

Particular description of goods.—Hosiery for Men, Women, and Children; Dresses for Women and Children, Lingerie for Women, Corsets; Coats for Men, Women, and Children; Gloves for Men, Women, and Children; Skirts for Women and Children; Suits for Men, Women, and Children; Knickers for Men, Women, and Children; and Blouses for Women and Children.

Claims use since 1911.

Ser. No. 173,129. (CLASS 21. ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES.) ELECTRIC OUTLET COMPANY, INC., New York, N. Y. Filed Dec. 9, 1922.

Inlet

Particular description of goods.—Outlet Boxes.

Claims use since about Nov. 13, 1922.

Ser. No. 173,284. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) HOEVEL MANUFACTURING CORPORATION, Jersey City, N. J. Filed Dec. 13, 1922.

HOEVEL

Particular description of goods.—Sand-Blast Apparatus and Parts Thereof and Accessories Therefor—Namely, Dust Arresters, Exhausters, and Dust Piping Used for Sand-Blast Machines, Sand Driers, Moisture and Oil Separators, Air Compressors, Air Receivers Used for Sand-Blast Machines, Bucket Elevators, Belt and Screw Conveyers, and Sand-Blast Rooms and Cabinets.

Claims use since about 1913.

Ser. No. 173,377. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) PILLSBURY FLOUR MILLS COMPANY, Minneapolis, Minn. Filed Dec. 15, 1922.

Pillsbury's
FAMILY
CIRCLE

Particular description of goods.—Flour Made from Wheat.

Claims use since on or about Aug. 8, 1922.

Ser. No. 173,441. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) QUAKER LACE COMPANY, Philadelphia, Pa. Filed Dec. 16, 1922.

Casement

Particular description of goods.—Lace Curtains and Nets or Curtain Lace in Piece Goods Manufactured and Sold by Us to the Trade and Public.

Claims use since Apr. 15, 1920.

Ser. No. 173,510. (CLASS 32. FURNITURE AND UPHOLSTERY.) LEVEY PRINTING COMPANY, Indianapolis, Ind. Filed Dec. 18, 1922.



Particular description of goods.—Card Index Filing Cabinets, Christmas-Cash-Club Filing Cabinets, Compartment and Shelf-Filing Cabinets, Bracket Check Desks, Standing Check Desks, Wall Check Desks, Table Check Desks, Check-Filing Cabinets, Check-Distributing Cabinets, Coin-Wrapper Cabinets, Desks, Desk Drawers, Typewriter-Table Cabinets and Typewriter Tables, Adding-Machine Stands, Typewriter Stands, Typewriter Chairs, Stools, Steel Filing Cabinets, Office Tables, and Filing-Cabinet Tables.

Claims use since January, 1915.

Ser. No. 173,602. (CLASS 22. GAMES, TOYS, AND SPORTING GOODS.) HORROCKS-IBBOTSON CO., Utica, N. Y. Filed Dec. 20, 1922.



No claim is made to the words "Best by Test," "Utica N. Y.," and "Makers of Fishing Tackle" apart from the mark shown in the drawing.

Particular description of goods.—Fishing Rods and Poles, Fishing Reels, Fishing Lines, Fishhooks, Sinkers, Leaders, Fish Nets, Artificial Bait, Landing Nets, Seines, Fish Traps, Rod Mountings, Creels, Connecting Links, Spinners, Fishing Spears, Fish Stringers, Floats, Fly and Bait Hooks, Fly and Bait Boxes, Gaff Hooks, Hook Extractors, Landing Bows, Line Snaps, Swivels, Tackle Books, and Tackle Boxes.

Claims use since Jan. 1, 1912.

Ser. No. 173,814. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) WALTER B. CROSS, Denver, Colo. Filed Dec. 26, 1922.

BIG CHEESE

Particular description of goods.—Relishes and Condiments in the Form of Dressings and Sauces, Sandwiches, Welsh Rabbit, Canned Beans, Macaroni, Hash, and Soups.

Claims use since Dec. 18, 1922.

Ser. No. 173,838. (CLASS 4. ABRASIVE, DETERGENT, AND POLISHING MATERIALS.) KEMOSHYNE PRODUCTS, INC., Camden, N. J. Filed Dec. 26, 1922.

WHITE KITTENS



CLEANSER

No claim is made to the words "Household Cleanser" apart from the mark shown in the drawing.

Particular description of goods.—Preparation for Cleansing and Polishing Bathtubs, Washstands, Sinks, and Lavatories of Vitreous and Enameled Ware, Tiling, White Woodwork, Walls, Glass, China, Brass Work, Brass Ware, Aluminum Ware; Pots, Pans, and Kettles of All Kinds of Metal and Enameled Ware; and for General Household Use.

Claims use since about June 1, 1922.

Ser. No. 173,863. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) T. & C. CORPORATION, New York, N. Y. Filed Dec. 26, 1922.

T. & C.

Particular description of goods.—Food Products—viz, Alimentary Paste, Tomato Catchup, Mustard Dressing, Salad Dressing, and Tomato Soup.

Claims use since Jan. 2, 1922.

Ser. No. 173,878. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) E. DALTROFF & CIE., doing business as Parfumerie Caron, Paris, France, assignor to Caron Corporation, a Corporation of New York. Filed Dec. 27, 1922.

RADIANT

Particular description of goods.—Perfume, Toilet Water, Rouges, Face Powder, Talcum Powder, Brilliantine, Sachet Powder, and Dentifrices.

Claims use since Jan. 15, 1913.

Ser. No. 173,974. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) MINNEAPOLIS MILLING CO., Minneapolis, Minn. Filed Dec. 29, 1922.



The lining appearing in the drawing is for purposes of shading merely.

Particular description of goods.—Wheat Flour.

Claims use since Nov. 27, 1922.

Ser. No. 174,048. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) WASHBURN-CROSBY COMPANY, Minneapolis, Minn. Filed Dec. 30, 1922.

CHALLENGER

Particular description of goods.—Semolina.

Claims use since May 22, 1922.

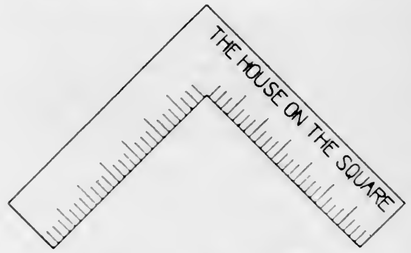
Ser. No. 174,079. (CLASS 39. CLOTHING.) ARTHUR F. HUEBNER, Bay City, Mich. Filed Jan. 2, 1923.

WEAR PLUS

Particular description of goods.—Shirts, Drawers, and Union Suits Made Wholly or Partly of Textile and Knitted Fabrics, Hosiery; Knit Goods—Namely, Undershirts, Petticoats, Corset Covers, Sacks, Jackets, Kimonos, Bath Robes, Sweaters, Shawls, Bathing Suits, Mufflers, Nightgowns, Pyjamas, Leggings, Gauntlets, Gloves, Hats, and Caps.

Claims use since Aug. 15, 1922.

Ser. No. 174,081. (CLASS 39. CLOTHING.) SAMUEL KLEIN, New York, N. Y. Filed Jan. 2, 1923.



Particular description of goods.—Ladies' Dresses, Coats, and Suits.

Claims use since Nov. 1, 1921.

Ser. No. 174,212. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) MAXWELL MOTOR CORPORATION, Detroit, Mich. Filed Jan. 5, 1923.



Particular description of goods.—Pistons.

Claims use since Nov. 1, 1922.

Ser. No. 174,486. (CLASS 28. JEWELRY AND PRECIOUS-METAL WARE.) SAMUEL E. PORTER, doing business as S. E. Porter Company, Providence, R. I. Filed Jan. 11, 1923.

ORLEAN

Trade-mark consists of the word "Orlean."

Particular description of goods.—Pearl Necklaces, Bead Necklaces, and Cords for Stringing and Restringing Pearls or Beads.

Claims use since Feb. 1, 1920.

Ser. No. 174,719. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) AMERICAN KREUGER & TOLL CORPORATION, New York, N. Y. Filed Jan. 18, 1923.

Desintol

Trade-mark "Desintol."

Particular description of goods.—Pharmaceutical Preparation Used for the Treatment of Foot and Mouth Diseases and Disinfectant.

Claims use since Jan. 19, 1922.

Ser. No. 174,743. (CLASS 32. FURNITURE AND UPHOLSTERY.) LANDAU CABINET COMPANY, St. Louis, Mo. Filed Jan. 18, 1923.

Landau
Cedar-Lined
VERMIN PROOF

No claim made to the exclusive use of the words "Vermin Proof" apart from the trade-mark shown.

Particular description of goods.—Upholstered Furniture for Domestic and Household Use.

Claims use since about Oct. 1, 1922.

Ser. No. 174,815. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) BECH, VAN SICLEN & CO., INC., New York, N. Y. Filed Jan. 20, 1923.

Tardis

Trade-mark consists of the word "Tardis."

Particular description of goods.—Solidified-Coal-Tar Disinfectants.

Claims use since Jan. 9, 1923.

Ser. No. 174,914. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) THE QUAKER OATS COMPANY, Chicago, Ill. Filed Jan. 22, 1923. Under ten-year proviso.

Grant

Particular description of goods.—Wheat Flour.
Claims use since 1871.

Ser. No. 174,917. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) THE QUAKER OATS COMPANY, Chicago, Ill. Filed Jan. 22, 1923.

VIM

Particular description of goods.—Stock Feeds.
Claims use since 1909.

Ser. No. 175,010. (CLASS 39. CLOTHING.) CHAS. R. DE BEVOISE CO., Newark, N. J. Filed Jan. 24, 1923.

Deb-way

Particular description of goods.—Brassières.
Claims use since Jan. 16, 1923.

Ser. No. 175,094. (CLASS 15. OILS AND GREASES.) MIDCONTINENT PRODUCERS' & REFINERS' CORPORATION, Cleveland, Ohio. Filed Nov. 28, 1922.

MIDCONO MOTOR-OILS

No claim made to the words "Motor Oils" apart from the mark shown.
Particular description of goods.—Canned Motor Oils.
Claims use since May 15, 1920.

Ser. No. 175,104. (CLASS 40. FANCY GOODS, FURNISHINGS, AND NOTIONS.) THE RISDON MANUFACTURING COMPANY, Naugatuck, Conn. Filed Jan. 25, 1923.

RADIO BRONZE RUST-PROOF

Right to registration under the said act of the words "Bronze" and "Rust Proof" apart from the mark shown is not claimed. The cross is lined to indicate its color—i. e., green.
Particular description of goods.—Safety Pins.
Claims use since Aug. 16, 1922.

Ser. No. 175,115. (CLASS 4. ABRASIVE, DETERGENT, AND POLISHING MATERIALS.) THE VAN CAMP PACKING COMPANY INC., Indianapolis, Ind. Filed Jan. 22, 1923.

BIG DEAL

Particular description of goods.—Soap.
Claims use since Jan. 1, 1898.

Ser. No. 175,116. (CLASS 39. CLOTHING.) WATTS, RITTER AND COMPANY, Huntington, W. Va. Filed Jan. 25, 1923.

SUPERBA RAC

Particular description of goods.—Men's High-Grade Dress Shirts.
Claims use since January, 1921.

Ser. No. 175,144. (CLASS 39. CLOTHING.) JACOB HERMAN, doing business as J. Herman Co., New York, N. Y. Filed Jan. 26, 1923.

AMBASSADOR CLOTHES

No claim made to the word "Clothes" apart from the mark as shown.
Particular description of goods.—Men's Clothing.
Claims use since Mar. 1, 1921.

Ser. No. 175,153. (CLASS 39. CLOTHING.) PHILIPSBORN'S, INC., Chicago, Ill. Filed Jan. 26, 1923.

Phil-Hi

Particular description of goods.—Young Men's Suits and Overcoats.
Claims use since Jan. 15, 1923.

Ser. No. 175,185. (CLASS 4. ABRASIVE, DETERGENT, AND POLISHING MATERIALS.) CHAT-LESS-INE COMPANY, Springfield, Mass. Filed Jan. 19, 1923.

CHAT-LESS-INE
TAKES THE CHATTER OUT OF FORDS

All wording descriptive of the goods in the statement, except the words "Chat-Less-Ine," are disclaimed as is also the brake bands picture.
Particular description of goods.—Nonchatter Preparations for Automobile Bands.
Claims use since Dec. 1, 1922.

Ser. No. 175,190. (CLASS 12. CONSTRUCTION MATERIALS.) THE DURABLE PRODUCTS COMPANY, Cleveland, Ohio. Filed Jan. 27, 1923.

DUROCOTE

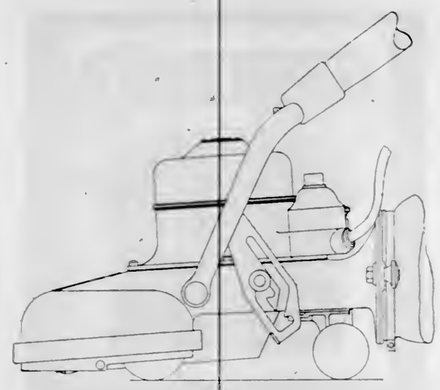
Particular description of goods.—Semiliquid Asbestos Roof Coating.
Claims use since Mar. 1, 1919.

Ser. No. 175,207. (CLASS 4. ABRASIVE, DETERGENT, AND POLISHING MATERIALS.) THE NONSUCH MANUFACTURING CO. LIMITED, Toronto, Ontario, Canada. Filed Jan. 22, 1923.

NONSUCH

The lining on the drawing is intended merely for shading and not to indicate particular colors.
Particular description of goods.—Polishes for Metal and Boots and Shoes.
Claims use since January, 1904.

Ser. No. 175,244. (CLASS 21. ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES.) THE HOOVER COMPANY, North Canton, Ohio. Filed Jan. 29, 1923.



No claim made to the representation of a portion of the sweeper. The mark consists in a white metal ring placed about the body of the motor casing thereof about midway of its axial length. In some instances the ring is a separate member shrunk on and in others being formed as an integral portion of the motor-frame casting.

Particular description of goods.—Electric Suction Sweepers.

Claims use since April, 1919.

Ser. No. 175,386. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) THE COLTON BROTHERS COMPANY, Bellefontaine, Ohio. Filed Feb. 1, 1923.



No claim made to any right of registration under the statute of the words "Best-O-Food" except in connection with the mark as shown, applicant reserving, however, all of its common-law rights to the mark as a whole.

Particular description of goods.—Breakfast Cereals.

Claims use since Apr. 11, 1922.

Ser. No. 175,405. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) G. FRED. OBRECHT, doing business as P. Fred'k Obrecht & Son, Baltimore, Md. Filed Feb. 1, 1923.



The wording appearing on the drawing apart from the other features of the mark, with the exception of "P. F. O.," are hereby disclaimed.

Particular description of goods.—Horse, Poultry, Hog, and Dairy Feeds.

Claims use since January, 1915.

Ser. No. 175,486. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) GOETZ-BERLIN CO., INC., New York, N. Y. Filed Feb. 3, 1923.



Particular description of goods.—Linings, Pocketings, and Interlinings of Cotton Fabrics.

Claims use since 1905.

Ser. No. 175,582. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) WARNER, MOORE & CO., doing business as Dunlop Mills, Richmond, Va. Filed Feb. 5, 1923.

GALLEGO

Particular description of goods.—Feed—Namely, Bran.

Claims use since 1873.

Ser. No. 175,591. (CLASS 39. CLOTHING.) HORACE L. ALLEN MFG. CO., Nashville, Tenn. Filed Feb. 6, 1923.

RED ★ STAR

Particular description of goods.—Overalls, Pants, and Working Shirts.

Claims use since Jan. 30, 1920.

Ser. No. 175,600. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) A. GAZZONI & C., Bologna, Italy. Filed Feb. 6, 1923.



CAV. A. GAZZONI & C
BOLOGNA

No claim is made to the words "Marca di Fabrica" and "Bologna" apart from the mark shown in the drawing.

Particular description of goods.—Preparation for Cough.

Claims use since February, 1918.

Ser. No. 175,700. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) THE BATTLE CREEK FOOD COMPANY, Battle Creek, Mich. Filed Feb. 8, 1923.

Granose

Particular description of goods.—Cereal Biscuit.

Claims use since Jan. 1, 1890.

Ser. No. 175,727. (CLASS 39. CLOTHING.) GEORGE F. LESTER, San Antonio, Tex. Filed Feb. 8, 1923.

LESPAGE

Particular description of goods.—Shirts Comprising Dress Shirts, Outing Shirts, Undershirts, and Union Suits; Drawers, Pyjamas, Nightshirts, Night Dresses; Vests of Knitted and Textile Fabric for Men, Women, and Children.

Claims use since about Feb. 5, 1923.

Ser. No. 175,763. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) SIDNEY BLUMENTHAL & CO. INC., New York, N. Y. Filed Feb. 9, 1923.

Nedletex

Particular description of goods.—Cotton and Wool Upholstery Fabrics in the Piece.

Claims use since Dec. 12, 1922.

Ser. No. 175,765. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) SIDNEY BLUMENTHAL & CO. INC., New York, N. Y. Filed Feb. 9, 1923.

Nedleton

Particular description of goods—Cotton and Wool Upholstery Fabrics in the Piece.

Claims use since Dec. 12, 1922.

Ser. No. 175,778. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) HARRY FERGUSON, Evansville, Ind. Filed Feb. 9, 1923.

Ferguson

The mark is a facsimile of the name of and is in the handwriting of Harry Ferguson.

Particular description of goods.—Plows.

Claims use since about January, 1911.

Ser. No. 175,800. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) LILY BROOK FARMS, INC., Buffalo, N. Y. Filed Feb. 9, 1923.

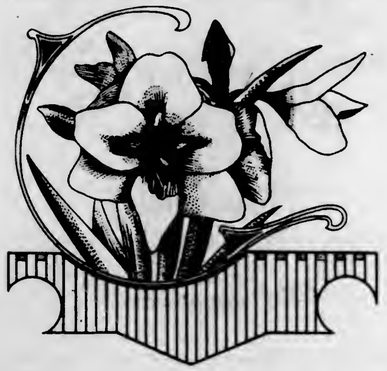
Lily Brook

Particular description of goods.—Cheese; Canned, Fresh, and Evaporated Milk; and Canned, Fresh, and Evaporated Cream.

Claims use since Aug. 7, 1922.

Ser. No. 175,802. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) MODEL MILL COMPANY, Jackson, Tenn. Filed Feb. 9, 1923.

HONEY DEW



Particular description of goods.—Wheat Flour.

Claims use since May 20, 1922.

Ser. No. 175,844. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) CALIFORNIA CO-OPERATIVE CANNERIES, San Francisco, Calif. Filed Feb. 10, 1923.

GOLDEN SUNSET

Particular description of goods.—Canned Fruits and Canned Vegetables.
Claims use since Jan. 2, 1923.

Ser. No. 176,157. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) BERRY, DEMOVILLE & CO., Nashville, Tenn. Filed Feb. 17, 1923.

LAX-MEL

Particular description of goods.—Castor Oil for Medicinal Purposes.
Claims use since 1905.

Ser. No. 176,162. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) ANTHONY J. CALAJOE, New York, N. Y. Filed Feb. 17, 1923.

CAL-GROW-INE

Particular description of goods.—Hair Grower—Namely, a Tonic for Promoting the Growth of Hair, Removing Dandruff, and Invigorating the Scalp.
Claims use since about July 20, 1922.

Ser. No. 176,253. (CLASS 39. CLOTHING.) THE CROFUT & KNAPP CO., South Norwalk, Conn. Filed Feb. 19, 1923.



Particular description of goods.—Caps and Hats of Felt, Straw, Silk, Cloth, and Fur for Men, Women, and Children.
Claims use since Feb. 1, 1906.

Ser. No. 176,257. (CLASS 39. CLOTHING.) DOBBS & CO., New York, N. Y. Filed Feb. 19, 1923.



No claim made to the words "Fifth Avenue, New York" apart from the mark shown.
Particular description of goods.—Caps; Hats for Men, Women, and Children; Leather and Fabric Gloves; Neckwear, as Follows: Mufflers, Scarfs, and Fur Neck Pieces, Fur Cuffs and Collars, Fur Coats, Fur Caps, Fur Gloves, Overcoats, Raincoats, Leather Coats, Suits for Men and Women, Knitted Coats, Golf Jackets, Knitted Vests, Knickers, Trousers, Outer Shirts Worn by Men and Women, Blouses, Shirt Waists, Dresses, Capes, Gowns, Sweaters, Skirts and Hatbands.
Claims use since July, 1908.

Ser. No. 176,318. (CLASS 4. ABRASIVE, DETERGENT, AND POLISHING MATERIALS.) A-1 MANUFACTURING COMPANY, Philadelphia, Pa. Filed Feb. 20, 1923.



No claim made to the use of the characters "A" and "1" alone. The vertical lining in the background is employed to designate a red color, and the dotted horizontal and vertical lining of the characters "A" and "1" is employed to indicate a yellow color.
Particular description of goods.—Metal Polish.
Claims use since 1902.

Ser. No. 176,319. (CLASS 39. CLOTHING.) BEAR BRAND HOSIERY CO., Chicago, Ill. Filed Feb. 20, 1923.

PARACLOX

Particular description of goods.—Hosiery.
Claims use since Dec. 26, 1922.

Ser. No. 176,326. (CLASS 39. CLOTHING.) CLUETT, PEABODY & COMPANY, INC., Troy, N. Y. Filed Feb. 20, 1923.

ARAWEB

Particular description of goods.—Collars.
Claims use since Feb. 5, 1923.

Ser. No. 176,333. (CLASS 4. ABRASIVE, DETERGENT, AND POLISHING MATERIALS.) LOUIS H. FISHER, Cleveland, Ohio. Filed Feb. 20, 1923.

Tubo Shine
Shines Leather Fine

No claim is made for the words "Shines Leather Fine" apart from the mark as shown.
Particular description of goods.—Shoe Polish.
Claims use since about Jan. 24, 1923.

Ser. No. 176,460. (CLASS 39. CLOTHING.) FRUHAUF BROS. & CO., New York, N. Y. Filed Feb. 23, 1923.



Particular description of goods.—Men's and Young Men's Outer Garments—Namely, Suits in One, Two, and Three Piece Garments and Overcoats.
Claims use since Oct. 4, 1922.

Ser. No. 176,579. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) PRESTON STURGES, Brooklyn, N. Y. Filed Feb. 24, 1923.



Particular description of goods.—Face Powders, Rouges.
Claims use since about 1912.

Ser. No. 176,653. (CLASS 39. CLOTHING.) RHEA MANUFACTURING CO., Milwaukee, Wis. Filed Feb. 26, 1923.

Rayfrock

Particular description of goods.—Wearing Apparel—Namely, Aprons, Dresses, and Bloomers.
Claims use since first part of January, 1923.

Ser. No. 176,692. (CLASS 39. CLOTHING.) PERFECTION GARMENT COMPANY, Martinsburg, W. Va. Filed Feb. 27, 1923.

Perfection Maid
HOMA-BOUTS

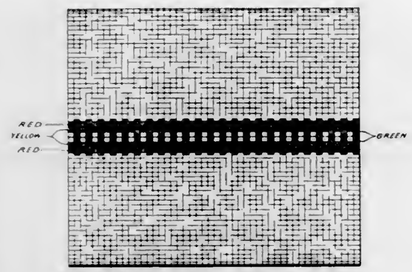
The words "Perfection Maid" are disclaimed apart from the mark shown.
Particular description of goods.—House Dresses and Aprons.
Claims use since Feb. 1, 1923.

Ser. No. 176,863. (CLASS 12. CONSTRUCTION MATERIALS.) UNITED STATES GYPSUM COMPANY, Chicago, Ill. Filed Mar. 2, 1923.

PEARL

Particular description of goods.—Calcined Gypsum Stucco and Wall Plasters.
Claims use since 1893.

Ser. No. 176,874. (CLASS 35. BELTING, HOSE, MACHINERY PACKING, AND NONMETALLIC TIRES.) WM. & CHAS. BECK, INC., Lawrence, Mass. Filed Mar. 3, 1923.



Trade-mark consists of a color line longitudinally disposed upon the goods, incorporated in the fabric, and comprising a central stripe formed of three green warps alternating with two of natural color, a continuous yellow stripe at each side of said central stripe and formed of alternating adjacent warps, and a continuous red stripe adjacent each yellow stripe and formed of alternating adjacent warps.
Particular description of goods.—Cotton Fire Hose.
Claims use since 1902.

Ser. No. 176,906. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) MOORE & CO. INC., Worcester, Mass. Filed Mar. 3, 1923.



No claim is made to the words "Accuracy," "Service," "Quality," and "Worcester, Mass." apart from the mark as shown.

Particular description of goods.—Antacid Neutralizing Powder.

Claims use since 1912.

Ser. No 176,922. (CLASS 32. FURNITURE AND UPHOLSTERY.) ALBERT SKLAREK CO. INC., New York, N. Y. Filed Mar. 3, 1923.

ASCONY

Particular description of goods.—Upholstered Furniture—Namely, Sofas, Armchairs, Wing Chairs, Chaise Lounge, Stools, All of These Items Being Upholstered.

Claims use since Jan. 15, 1922.

Ser. No. 177,110. (CLASS 26. MEASURING AND SCIENTIFIC APPLIANCES.) SCHAEFFER & BUDENBERG MFG. CO., Brooklyn, N. Y. Filed Mar. 7, 1923.

THERMO VANE

Particular description of goods.—Thermometers.

Claims use since Sept. 1, 1916.

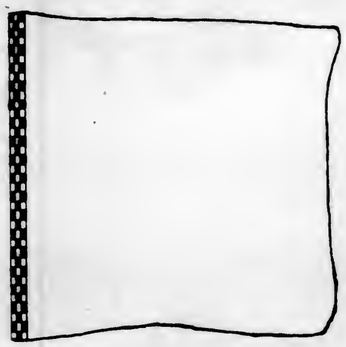
Ser. No. 177,156. (CLASS 39. CLOTHING.) THE WESTERN SHIRT COMPANY, New York, N. Y. Filed Mar. 8, 1923.

BIG BEAR

Particular description of goods.—Work Shirts.

Claims use since about Jan. 1, 1921.

Ser No. 177,164. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) BOOTT MILLS, Lowell, Mass. Filed Mar. 9, 1923.



Consists of three blue warp threads on the selvage edges of the towels or toweling. No claim is made to the representation of the goods to which the mark is applied, and such representation is disclaimed apart from the mark shown on the drawing.

Particular description of goods.—Woven Cotton Towels and Toweling.

Claims use since Dec. 1, 1922.

Ser. No. 177,168. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) CRESCENT WASHING MACHINE COMPANY, INCORPORATED, New Rochelle, N. Y. Filed Mar. 9, 1923.

Crescent

Particular description of goods.—Dishwashing Machines and Metal-Parts-Washing Machines.

Claims use since Jan. 15, 1914.

Ser. No. 177,192. (CLASS 39. CLOTHING.) CHARLES MUNTER, New York, N. Y. Filed Mar. 9, 1923.

Psychopathologist

Particular description of goods.—Corsets, Waist Corsets, Brassières, and Men's, Women's, and Children's Undergarments of Textile Fabrics.

Claims use since about June 1, 1922.

Ser. No. 177,193. (CLASS 39. CLOTHING.) CHARLES MUNTER, New York, N. Y. Filed Mar. 9, 1923.

NON-MEDICAL-DOCTOR

Particular description of goods.—Corsets, Waist Corsets, Brassières, and Men's, Women's, and Children's Undergarments of Textile Fabric.

Claims use since about June 1, 1922.

Ser. No. 177,195. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) NATURAL PRODUCTS REFINING CO., Jersey City, N. J. Filed Mar. 9, 1923.



No claim is made to the word "Products" apart from the mark shown on the drawing.

Particular description of goods.—Bichromate of Soda and Bichromate of Potash.

Claims use since Jan. 29, 1923.

Ser. No. 177,203. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) EFFIE L. SMITH, Corvallis, Oreg. Filed Mar. 9, 1923.

1844 M S D 1921

Particular description of goods.—Preparation for the Treatment of Cancer.

Claims use since Jan. 1, 1923.

Ser. No. 177,210. (CLASS 13. HARDWARE AND PLUMBING AND STEAM-FITTING SUPPLIES.) ANACONDA COPPER MINING COMPANY, New York, N. Y. Filed Mar. 10, 1923.

ANACONDA
from mine to consumer

No claim made herein to the registration of the words "From Mine to Consumer" apart from the mark shown in the drawing.

Particular description of goods.—Brass Tubes, Copper Tubes, Low-Brass Seamless Tubes, Copper Seamless Tubes, Condenser Tubes, Brazed Brass and Copper Tubes, Nickel-Silver Seamless Tubes, and Phosphor-Bronze Tubes.

Claims use since July 17, 1922.

Ser. No. 177,242. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) A. J. PERRY AND CO., Dunlow, W. Va. Filed Mar. 10, 1923.

UNCLE ANDY'S



The portrait appearing in the drawing is that of Dr. A. J. Perry, a member of applicant firm.

Particular description of goods.—Medicinal Preparations for the Treatment of Stomach and Bowel Trouble, Coughs, Croup, Whooping Cough, Pneumonia, Sore Throat, Sore Chest, Influenza, Tuberculosis, Gonorrhea, Female Debility, Scrofula, Erysipelas, Eczema, and Syphilis; Also for System Tonics and Blood Purifiers.

Claims use since Jan. 19, 1923.

Ser. No. 177,278. (CLASS 39. CLOTHING.) CRADDOCK-TERRY CO., Lynchburg, Va. Filed Mar. 12, 1923.



No claim made to the words "Arch Saver" apart from the other features of the mark.

Particular description of goods.—Shoes of Leather and Combinations of Rubber and Leather and Leather and Fabric.

Claims use since Feb. 9, 1923.

Ser. No. 177,290. (CLASS 39. CLOTHING.) FRIEDMAN BROS. & SON NECKWEAR CO., INC., New York, N. Y. Filed Mar. 12, 1923.

The Sheik Tie

No claim is made to the word "Tie" apart from the mark shown on the drawing.

Particular description of goods.—Ties, Cravats, Four-in-Hand Ties, and Bow Ties.

Claims use since March, 1922.

Ser. No. 177,316. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) NATENBERG-STRAUSS IMPORTING CO., Chicago, Ill. Filed Mar. 12, 1923.



Particular description of goods.—Pocket, Clasp, Pen, Pruning, Table, Butcher, Carving, Paring Knives of Base Metal, Including Knives Which Have Folding and Fixed Blades and Attachment; Razors, Safety Razors, Scissors, Clippers, and Tweezers.

Claims use since Mar. 30, 1922.

Ser. No. 177,319. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) NOVOCOL CHEMICAL MFG. CO., INC., Brooklyn, N. Y. Filed Mar. 12, 1923.

Supranol

Particular description of goods.—Solution of Suprarenal Extract.

Claims use since February, 1920.

Ser. No. 177,326. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) QUAKER LACE COMPANY, Philadelphia, Pa. Filed Mar. 12, 1923

Oxford Cross

Particular description of goods.—Lace Curtains and Nets or Curtain Lace in Piece Goods Manufactured and Sold by Us to the Trade and Public.

Claims use since Dec. 15, 1922.

Ser. No. 177,354. (CLASS 4. ABRASIVE, DETERGENT, AND POLISHING MATERIALS.) BONDED PRODUCTS CORPORATION, New York, N. Y. Filed Mar. 13, 1923.

GLORIA

Particular description of goods.—Soap and Soap Products.

Claims use since about Oct. 20, 1922.

Ser. No. 177,355. (CLASS 13. HARDWARE AND PLUMBING AND STEAM-FITTING SUPPLIES.) BOSS NUT COMPANY, Chicago, Ill. Filed Mar. 13, 1923.

BOSS

Trade-mark consists of the word "Boss."

Particular description of goods.—Lock Nuts, Bolts, Rivets, Screws.

Claims use since Feb. 1, 1911.

Ser. No. 177,413. (CLASS 39. CLOTHING.) THE SPORTMOX COMPANY, Boston, Mass. Filed Mar. 13, 1923.

SPORTMOX

Particular description of goods.—Sport Footwear.

Claims use since Sept. 7, 1921.

Ser. No. 177,479. (CLASS 4. ABRASIVE, DETERGENT, AND POLISHING MATERIALS.) LEVI W. FOUNTAIN, Philadelphia, Pa. Filed Mar. 15, 1923.

I-D-CLARE

Particular description of goods.—Preparation for Removing Stains and Dirt from All Kinds of Fabrics, Metals, and Wood.

Claims use since January, 1918.

Ser. No. 177,488. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) MONTGOMERY L. HART, INC., New York, N. Y. Filed Mar. 15, 1923.



Particular description of goods.—Linen, Ramie, and Hemp Piece Goods, and Mixtures of the Same.

Claims use since Dec. 15, 1922.

Ser. No. 177,499. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) ARTHUR B. MANN, doing business as Tecq Products Company, Brooklyn, N. Y. Filed Mar. 15, 1923.



Particular description of goods.—Skin Lotions and Medicinal Preparations for Inflamed Mucous Membranes.

Claims use since Feb. 8, 1923.

Ser. No. 177,561. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) THE KIL-TONE COMPANY, Vineland, N. J. Filed Mar. 16, 1923.

SULPHO-TONE

Particular description of goods.—Insecticide and Fungicide.

Claims use since July 22, 1922.

Ser. No. 177,593. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) Dr. JAMES SWAYZE CATER, doing business as Purer-Lene Mfg. Co., Marceline, Mo. Filed Mar. 17, 1923.

Purer-Lene

Particular description of goods.—Preparation for Treating Diseases of the Mucous Membranes.

Claims use since 1918.

Ser. No. 177,633. (CLASS 39. CLOTHING.) JOHN K. STEWART & SONS, INC., Amsterdam, N. Y. Filed Mar. 17, 1923.

BAL RIB

No claim is made to the word "Rib" apart from the mark shown in the drawing.

Particular description of goods.—Undershirts, Underdrawers, and Union Suits Made of Knitted Fabric, for Men.

Claims use since Sept. 11, 1922.

Ser. No. 177,636. (CLASS 39. CLOTHING.) TRYON MILLS OF VERMONT, Bennington, Vt. Filed Mar. 17, 1923.

NAINBAL

Particular description of goods.—Men's Undershirts, Underdrawers, and Union Suits Made of Knitted Fabric, for Men.

Claims use since Sept. 10, 1921.

Ser. No. 177,658. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) NORA C. EDWARDS, doing business as Edwards Skirt Supporter Co., Buffalo, N. Y. Filed Mar. 19, 1923.

ESSCO

Particular description of goods.—Iron Rust, Ink, and Stain Soap.

Claims use since Aug. 29, 1917.

Ser. No. 177,703. (CLASS 28. JEWELRY AND PRECIOUS-METAL WARE.) FR. SPEIDEL, Pforzheim, Germany, and Providence, R. I. Filed Mar. 19, 1923.

ORESTO

Particular description of goods.—Chains for Personal Wear, Fobs, Pendants, Bracelets, Brooches, Scarf Pins, Cuff Links, Lapel Buttons, and Earrings, All of Which Are Made of or Plated with Precious Metal.

Claims use since Mar. 1, 1923.

Ser. No. 177,742. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) JEAN JORDEAU, INC., South Orange, N. J., and New York, N. Y. Filed Mar. 20, 1923.



No claim is made to the exclusive use of the words "Specialist with" and "New York" apart from the mark as shown in the drawing.

Particular description of goods.—Perspiration Deodorant.

Claims use since November, 1921.

Ser. No. 177,833. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) DE VITO SALVO HAIR TONIC CO., INC., New York, N. Y. Filed Mar. 22, 1923.



"De Vito" is the autograph signature of the president of the applicant corporation.

Particular description of goods.—Hair Tonic and Preservative.

Claims use since Mar. 16, 1923.

Ser. No. 177,931. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) GEORGE B. TULLIDGE, Philadelphia, Pa. Filed Mar. 23, 1923.

CACTUS-CRAM

Particular description of goods.—Castor-Oil Compound.

Claims use since Mar. 7, 1923.

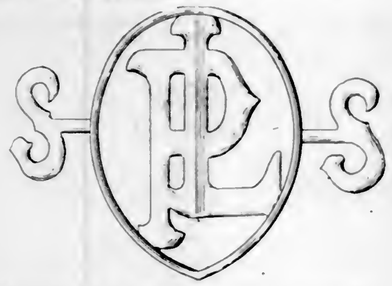
Ser. No. 177,986. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) MORISSE LACE & EMBROIDERY CO., St. Louis, Mo. Filed Mar. 24, 1923.

MOLECO

Particular description of goods.—Laces, Embroideries, Handkerchiefs, and Cotton and Silk Goods, Both in the Piece and in the Bolt.

Claims use since August, 1912.

Ser. No. 178,170. (CLASS 19. VEHICLES, NOT INCLUDING ENGINES.) ALEXANDRE FAURE, New York, N. Y. Filed Mar. 28, 1923.



Particular description of goods.—Automobiles and Automobile Chassis.

Claims use since Dec. 1, 1922.

Ser. No. 178,269. (CLASS 39. CLOTHING.) MYRIAD MANUFACTURING CO., New York, N. Y. Filed Mar. 29, 1923.

"Fur Fluff"

Particular description of goods.—Fur-Kerchief for Women for Summer Wear.

Claims use since Mar. 26, 1923.

Ser. No. 178,326. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) J. THAD BRAMBLETT, Pocasset, Okla. Filed Mar. 30, 1923.



Particular description of goods.—Preparations for the Treatment of Eczema and Other Skin Diseases, Burns, Scalds, and Rough and Chapped Skin.

Claims use since Jan. 1, 1921.

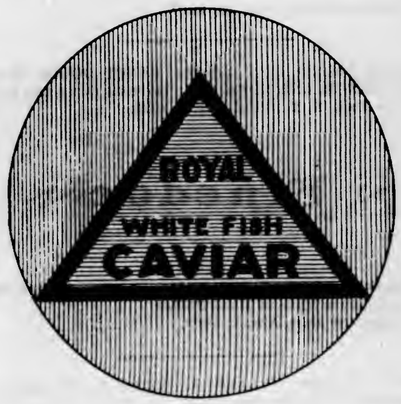
Ser. No. 178,358. (CLASS 19. VEHICLES, NOT INCLUDING ENGINES.) RAMAPO AJAX CORPORATION, New York, N. Y. Filed Mar. 30, 1923.

RACOR

Particular description of goods.—Cast Chilled Wheels, Industrial Cars, Shop Cars, Push Cars, Metal Chill Cars, Ingot Cars, Mine Cars, Plantation Cars, Quarry Cars, Draft-Equipment Parts, Brake-Equipment Parts, Truck-Equipment Parts and Body-Equipment Parts Therefor.

Claims use since about Sept. 28, 1922.

Ser. No. 178,361. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) SAMUEL ROSENBERG, doing business as Phenix Packing Co., New York, N. Y. Filed Mar. 30, 1923.



No claim is made to the words "White Fish" or "Caviar" apart from the mark shown in the drawing. The trade-mark is printed in gilt letters on a blue field, within a gilt triangle, disposed on a circular red background.

Particular description of goods.—Caviar.

Claims use since 1914.

Ser. No. 178,370. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) ANAHEIM VALENCIA GROWERS ASS'N, Anaheim, Calif. Filed Mar. 31, 1923.

Robt.E.Lee

Particular description of goods.—Fresh Citrous Fruits.

Claims use since Dec. 28, 1914.

Ser. No. 178,409. (CLASS 12. CONSTRUCTION MATERIALS.) HENRY RUBEN, doing business as To-Rain-On Products Co. (Not Inc.), Chicago, Ill. Filed Mar. 31, 1923.

TO-RAIN-ON

Particular description of goods.—Roof Cement.

Claims use since Feb. 17, 1923.

Ser. No. 178,458. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) ORGAN-IRON MEDICINE COMPANY, Omaha, Nebr. Filed Apr. 2, 1923.

ARJECTOL

Particular description of goods.—Medicine Used in Cases of Inflammation, Ulcerations, and Discharges of the Urinary Tract.

Claims use since Oct. 5, 1921.

Ser. No. 178,527. (CLASS 26. MEASURING AND SCIENTIFIC APPLIANCES.) MARSHALL-WELLS COMPANY, Duluth, Minn. Filed Apr. 3, 1923.

Zenith

Particular description of goods.—Carpenters' Gauges, Plumb Bobs; Plumbs and Levels in Wood, Aluminum, and Steel; Marking Gauges, Steel and Linen Tapes, Boxwood Rules, Ivory Rules, and Fexible Spring Rules, Steel and Iron Squares, Try-Squares, Sliding T Bevels, and Inside and Outside Calipers.

Claims use since about Mar. 1, 1923.

Ser. No. 178,573. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) A. O. SCHMIDT, doing business as A. O. Schmidt Co., San Francisco, Calif. Filed Apr. 4, 1923.

ANTEVITA

Particular description of goods.—Medicine for Diseases Peculiar to Females.

Claims use since Jan. 1, 1895.

Ser. No. 178,577. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) E. TOSSE & CO., INC., New York, N. Y. Filed Apr. 4, 1923.

BISMOGENOL

Particular description of goods.—Preparation for Syphilis and Diseases of the Skin.
Claims use since October, 1922.

Ser. No. 178,578. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) E. TOSSE & CO., INC., New York, N. Y. Filed Apr. 4, 1923.



Particular description of goods.—Preparation for the Treatment of Syphilis and Diseases of the Skin.
Claims use since October, 1922.

Ser. No. 178,634. (CLASS 39. CLOTHING.) SOUTHERN CALIFORNIA DRY GOODS COMPANY, Gloversville, N. Y. Filed Apr. 5, 1923.



Particular description of goods.—Men's Dress, Negligee, and Work Shirts; Nightshirts and Pyjamas; Hosiery for Men, Women, and Children; Knit Underwear for Men, Women, and Children; Silk Underwear for Women; Gloves for Men, Women, and Children; and Dresses and Coats for Women, Misses, and Children.
Claims use since Jan. 4, 1923.

Ser. No. 178,654. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) THE AMERICAN SEEDING MACHINE COMPANY, Springfield, Ohio. Filed Apr. 6, 1923. Under ten-year proviso.

SUPERIOR

Particular description of goods.—Seeding Implements, Particularly Grain Drills and Broadcast Seeders.
Claims use since about June 1, 1868.

Ser. No. 178,828. (CLASS 34. HEATING, LIGHTING, AND VENTILATING APPARATUS, NOT INCLUDING ELECTRICAL APPARATUS.) THE DONLEY BROTHERS COMPANY, Cleveland, Ohio. Filed Apr. 9, 1923.

DONLEY DEVICES

Trade-mark consists of the word "Donley" above the word "Devices" in plain lettering, a single and relatively large "D" serving as the initial letter of both words, and generally arranged as shown in the accompanying specimens. No claim is made for the word "Devices" apart from the association shown, no common-law rights, however, being waived.

Particular description of goods.—Manufactured Devices Comprising Fireplace Dampers and Operating Means Therefor, Fireplace Baskets and Grates, Rubbish Burners, and Salamanders.
Claims use since Nov. 29, 1919.

Ser. No. 178,838. (CLASS 40. FANCY GOODS, FURNISHINGS, AND NOTIONS.) GOTHAM COMB CO., INC., New York, N. Y. Filed Apr. 9, 1923.

Finedge

Particular description of goods.—Dressing, Barber, and Pocket Combs Made of Hard Rubber.
Claims use since Apr. 2, 1923.

Ser. No. 179,038. (CLASS 14. METALS AND METAL CASTINGS AND FORGINGS.) A. FINKL & SONS COMPANY, Chicago, Ill. Filed Apr. 12, 1923.



Particular description of goods.—Steel Forgings.
Claims use since May 2, 1919.

Ser. No. 179,076. (CLASS 38. PRINTS AND PUBLICATIONS.) FREDERIC WILLIAM WILE, Washington, D. C. Filed Apr. 12, 1923.

WASHINGTON OBSERVATIONS
BY FREDERIC WILLIAM WILE

Particular description of goods.—Title for a Newspaper Column.
Claims use since Jan. 1, 1923.

Ser. No. 179,084. (CLASS 4. ABRASIVE, DETERGENT, AND POLISHING MATERIALS.) BACHMAN & WICKENS, Newark, N. J. Filed Apr. 13, 1923.

WASH-EZ

Particular description of goods.—Compound in Powdered Form for Use in Washing Clothes.
Claims use since Dec. 28, 1922.

Ser. No. 179,129. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) THE ALPEN COMPANY, St. Louis, Mo. Filed Apr. 14, 1923.

Crimson Heat



Particular description of goods.—Counterirritant and Rubefacient.
Claims use since 1912.

Ser. No. 179,189. (CLASS 14. METALS AND METAL CASTINGS AND FORGINGS.) A. FINKL & SONS COMPANY, Chicago, Ill. Filed Apr. 16, 1923.

FI-CARBO

Particular description of goods.—Steel Forgings.
Claims use since Mar. 21, 1923.

Ser. No. 179,195. (CLASS 19. VEHICLES, NOT INCLUDING ENGINES.) H. J. GEORGE, Long Beach, Calif. Filed Apr. 16, 1923.



No claim is made to the words "Dog, Humane Sanitary Dog Carrier" apart from the mark as shown.
Particular description of goods.—Automobile Dog Carriers.
Claims use since Mar. 3, 1923.

Ser. No. 179,256. (CLASS 38. PRINTS AND PUBLICATIONS.) AMERICAN WHOLESALE CORPORATION (BALTIMORE BARGAIN HOUSE), Baltimore, Md. Filed Apr. 17, 1923.



Particular description of goods.—Catalogue Issued Monthly.
Claims use since August, 1920.

Ser. No. 179,273. (CLASS 9. EXPLOSIVES, FIREARMS, EQUIPMENTS, AND PROJECTILES.) JÖNKÖPINGS OCH VULCANS TANDSTICKSFABRIKSAKTIEBOLAG, Jonkoping, Sweden. Filed Apr. 17, 1923.



No claim made to the exclusive use of the words "Made by" and "Jönköping, Sweden, Safety Matches" apart from the mark as shown in the drawing.
Particular description of goods.—Matches.
Claims use since 1906.

Ser. No. 179,285. (CLASS 28. JEWELRY AND PRECIOUS-METAL WARE.) FR. SPEIDEL, Pforzheim, Germany, and Providence, R. I. Filed Apr. 17, 1923.

IRIDON

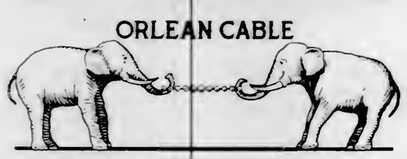
Particular description of goods.—Chains for Personal Wear, Fobs, Pendants, Bracelets, Brooches, Scarf Pins, Cuff Links, Lapel Buttons, and Earrings, All of Which Are Made of or Plated with Precious Metal.
Claims use since Mar. 28, 1923.

Ser. No. 179,286. (CLASS 43. THREAD AND YARN.) BERNARD ULMANN Co. INC., New York, N. Y. Filed Apr. 17, 1923.

COTTONKIT

Particular description of goods.—Art-Needlework Package Containing Yarns for Art Needlework.
Claims use since Mar. 20, 1923.

Ser. No. 179,322. (CLASS 28. JEWELRY AND PRECIOUS-METAL WARE.) S. E. PORTER Co., Providence, R. I. Filed Apr. 18, 1923.



Particular description of goods.—Cords for Stringing or Restringing Pearls or Beads.
Claims use since Jan. 6, 1922.

Ser. No. 179,351. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) BEAR MILL MANUFACTURING COMPANY, INC., New York, N. Y. Filed Apr. 19, 1923.

Silcala

Particular description of goods.—Cotton Broadcloth.
Claims use since Feb. 1, 1923.

Ser. No. 179,385. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) JOHN I. THORNYCROFT & CO. LIMITED, Westminster and London, England. Filed Apr. 19, 1923.

THORNYCROFT

Particular description of goods.—Steam and Internal-Combustion Engines.
Claims use since Jan. 1, 1871, in respect to steam engines; since July 14, 1904, in respect to internal-combustion engines.

Ser. No. 179,386. (CLASS 38. PRINTS AND PUBLICATIONS.) TOURIST HANDBOOK PUB. CO., Ames, Iowa. Filed Apr. 19, 1923.

Tourist Handbook

Particular description of goods.—Motorist Publication, Which Publication is Published Once a Year.
Claims use since Feb. 12, 1923.

Ser. No. 179,436. (CLASS 39. CLOTHING.) C. STERN & MAYER, INC., New York, N. Y. Filed Apr. 20, 1923.



Particular description of goods.—Scarfs, Necktles, Cravats, and Reefers.
Claims use since Mar. 1, 1923.

Ser. No. 179,437. (CLASS 39. CLOTHING.) C. STERN & MAYER, INC., New York, N. Y. Filed Apr. 23, 1923.



Particular description of goods.—Scarfs, Necktles, Cravats, and Reefers.
Claims use since Mar. 1, 1923.

Ser. No. 179,440. (CLASS 38. PRINTS AND PUBLICATIONS.) THE VICKERY & HILL PUB. CO., Augusta, Me. Filed Apr. 20, 1923.

THE AMERICAN
NEEDLEWOMAN

Particular description of goods.—Monthly Magazine.
Claims use since Apr. 11, 1923.

Ser. No. 179,480. (CLASS 39. CLOTHING.) MANUEL GOMEZ MOLINA, Elmhurst, N. Y. Filed Apr. 21, 1923.



No claim is made to the words "Trade Mark" apart from the mark as shown in the drawing.
Particular description of goods.—Hosiery; Underwear of Textile Fabric for Men, Women, and Children; Garters, Sweaters, Coats, Negligee and Work Shirts, Dresses, Leather and Fabric Shoes, Trousers, Vests, Necktles, Collars, Shawls, Hats and Caps for Men and Children.
Claims use since Mar. 14, 1923.

Ser. No. 179,506. (CLASS 22. GAMES, TOYS, AND SPORTING GOODS.) THE ADVERTISING AUTO SPEEDWAY CO., Columbus, Ohio. Filed Apr. 23, 1923.



Particular description of goods.—Miniature Automobile Race Track, and Cars for Use Thereon.
Claims use since Mar. 15, 1923.

Ser. No. 179,568. (CLASS 4. ABRASIVE, DETERGENT, AND POLISHING MATERIALS.) W. & H. WALKER, INC., Pittsburgh, Pa. Filed Apr. 23, 1923.

TRISO

Particular description of goods.—Soap Flakes.
Claims use since Mar. 21, 1923.

Ser. No. 179,629. (CLASS 12. CONSTRUCTION MATERIALS.) SUMTER BRICK WORKS, Sumter, S. C. Filed Apr. 24, 1923.

AIREDALE

Particular description of goods.—Bricks.
Claims use since June, 1921.

Ser. No. 179,695. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) WILL & BAUMER CANDLE CO., INC., Syracuse, N. Y. Filed Apr. 25, 1923.

MARBLE BRAND

The word "Brand" is disclaimed apart from the mark shown in the drawing.
Particular description of goods.—Stearic Acid.
Claims use since Mar. 1, 1923.

Ser. No. 179,699. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) AMERICAN RADIUM APPLIANCE COMPANY, New York, N. Y. Filed Apr. 26, 1923.



Particular description of goods.—Medicinal Preparation Indicated in Chronic Inflammations of the Mucous Membranes.
Claims use since July 1, 1922.

Ser. No. 179,703. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) AMERICAN WIREMOLD COMPANY, Hartford, Conn. Filed Apr. 26, 1923.

REDIARK

Particular description of goods.—Braiding and Weaving Machines.
Claims use since Mar. 15, 1923.

Ser. No. 179,740. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) JOSEPH M. POTTGIESER, Ocean Park, Calif. Filed Apr. 26, 1923.

O-You-Rub

Particular description of goods.—Medicinal Preparation for External Application for the Treatment of Rheumatism, Neuritis, Lumbago, Stiff Limbs, Stiff Joints, Stiff Neck, Sprains, Colds on Chest and Sore Throat, and to Prevent Poor Blood Circulation.
Claims use since Mar. 15, 1923.

Ser. No. 179,755. (CLASS 13. HARDWARE AND PLUMBING AND STEAM-FITTING SUPPLIES.) UNITED SHOE MACHINERY CORPORATION, Paterson, N. J., and Boston, Mass. Filed Apr. 26, 1923.

1336

Trade-mark consists of the number "1336."
Particular description of goods.—Nails.
Claims use since July 25, 1922.

Ser. No. 179,853. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) COHN HALL MARX CO., New York, N. Y. Filed Apr. 28, 1923.

KOKOON

Trade-mark consists of the word "Kokoon."
Particular description of goods.—Cotton and Cotton and Silk Mixture Piece Goods.
Claims use since Oct. 15, 1919.

Ser. No. 179,879. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) NEW YORK FRENCH EXPORTS, INC., New York, N. Y. Filed Apr. 28, 1923.

JASPY

MYRODATA

Particular description of goods.—Face Powders, Face Creams, Perfumes, Toilet Waters, Rouges, Hair Tonics, Hair Oils, Dentifrices, Tooth Powders, Nail Polishes, Deodorizing Preparations and Sachet Powders.
Claims use since Nov. 26, 1920.

Ser. No. 179,897. (CLASS 40. FANCY GOODS, FURNISHINGS, AND NOTIONS.) UNITED LACE & BRAID MFG. CO., Cranston, R. I. Filed Apr. 28, 1923.



Particular description of goods.—Shoe Lacings, Underwear Lacings, Blouse Lacings, Galloons, and Braids, All of Which are Made of Linen, Cotton, Silk, or Worsted.
Claims use since Apr. 5, 1923.

Ser. No. 179,904. (CLASS 32. FURNITURE AND UPHOLSTERY.) CLYDE W. WARREN, doing business as Automatic Curtain Co., Sauk Rapids, Minn. Filed Apr. 28, 1923.

DELUXE

Particular description of goods.—Porch Shades.
Claims use since Mar. 1, 1919.

Ser. No. 179,913. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) ABBOTT LABORATORIES, Chicago, Ill. Filed Apr. 30, 1923.

BUTESIN

Particular description of goods.—Butyl Aminobenzoate.
Claims use since Oct. 31, 1921.

Ser. No. 179,973. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) TAYLORS SILK EMULSION, INC., New York, N. Y. Filed Apr. 30, 1923.



The trade-mark consists of the letters "T S E".
Particular description of goods.—Silk Softener.
Claims use since Mar. 16, 1923.

Ser. No. 179,980. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) AUGUST WILLIAMS, Perth Amboy, N. J. Filed Apr. 30, 1923.



Particular description of goods.—Candy.
Claims use since Jan. 2, 1923.

Ser. No. 180,012. (CLASS 14. METALS AND METAL CASTINGS AND FORGINGS.) KATZ & OGUSH, INC., New York, N. Y. Filed May 1, 1923.

CERTIFIED

Particular description of goods.—Platinum, Gold, and Silver and Combinations of These Metals and Other Precious Metals in the Form of Bars, Sheets, Rolls, Wire, Blocks, and in Any Other Commercial Form That the Same May Be Made and Sold, and Platinum, Gold, and Silver Solder.
Claims use since Apr. 12, 1923.

Ser. No. 180,163. (CLASS 1. RAW OR PARTLY-PREPARED MATERIALS.) DIAMOND STATE FIBRE COMPANY, Elsmere, Del., and Bridgeport, Pa. Filed Apr. 28, 1923.

CELORON

Particular description of goods.—Laminated Phenolic Condensation Product Made By Impregnating Materials, Such as Certain Grades of Paper and Fabric, with a Combination of Phenol and Formaldehyde or Similar Synthetic Gums Hardened by Heating.
Claims use since June, 1919.

Ser. No. 180,251. (CLASS 36. MUSICAL INSTRUMENTS AND SUPPLIES.) USINGA DISC CORPORATION, Brooklyn, N. Y. Filed May 5, 1923.

USINGA

Particular description of goods.—Metal Disks for Recording the Human Voice for Reproduction upon Phonographic or Other Reproducing Machines.
Claims use since Apr. 10, 1923.

Ser. No. 180,275. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) FRIED, MENDELSON & Co., New York, N. Y. Filed May 7, 1923.



The picture is fanciful, and the lines are for shading only.
Particular description of goods.—Silk, Cotton, and Silk and Cotton Piece Goods.
Claims use since Feb. 24, 1923.

Ser. No. 180,279. (CLASS 21. ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES.) GENERAL RADIO CORPORATION, Philadelphia, Pa. Filed May 7, 1923.

GERACO

Particular description of goods.—Variometers, Variocouplers, Transformers Employed for Radio Apparatus, Radio Receiving Sets (Complete), Radio Reproducers, Dials and Knobs for Radio Receiving Apparatus, and Reproducer Attachments for Amplifying Radio Broadcast Reception Through the Means of a Phonograph Tone-Arm and Horn.
Claims use since May 1, 1922.

Ser. No. 180,317. (CLASS 12. CONSTRUCTION MATERIALS.) ADENSITE CO., INC., New York, N. Y. Filed May 8, 1923.

ADENSITE

Particular description of goods.—Liquid Integral, a Fluid Employed in the Mixing of Building Materials to Render the Same Hard and Waterproof.
Claims use since about Dec. 10, 1921.

Ser. No. 180,319. (CLASS 38. PRINTS AND PUBLICATIONS.) AETNA LIFE INSURANCE COMPANY, Hartford, Conn. Filed May 8, 1923.

THE
ÆTNA-IZER

Particular description of goods.—Monthly Periodical.
Claims use since Jan. 1, 1921.

Ser. No. 180,326. (CLASS 32. FURNITURE AND UPHOLSTERY.) CALIFORNIA WALL BED COMPANY, San Francisco, Calif. Filed May 8, 1923.



FOR THE REST OF THE WORLD

Particular description of goods.—Concealable Beds.
Claims use since Oct. 12, 1922.

Ser. No. 180,412. (CLASS 12. CONSTRUCTION MATERIALS.) E. N. BIEGLER MANUFACTURING CO., Chicago, Ill. Filed May 10, 1923.

MAS OLEUM

Particular description of goods.—Plasterlike Composition for Use as a Surfacing for Floors, Walls, Roofs, Etc.
Claims use since 1916.

Ser. No. 180,421. (CLASS 38. PRINTS AND PUBLICATIONS.) CULTIVATOR PUBLISHING COMPANY, Los Angeles, Calif. Filed May 10, 1923.

GOLDEN STATE FARMER

Particular description of goods.—Weekly Periodicals.
Claims use since May 5, 1923.

Ser. No. 180,496. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) A. M. ROBINSON COMPANY, Atlanta, Ga. Filed May 11, 1923.



Trade-mark consists in the representation of a heart in red, appearing on a background of blue, supported on either side by a figure of Cupid. Over the heart is the word "Sweet," the whole inclosed in a heart-shaped outline consisting of three concentric hearts, the outer of which is red and the inner is gilt. The center is white and contains the word "Sweet" followed by a pictorial representation of a heart in red at regular intervals a sufficient number of times to fill the said center completely.

Particular description of goods.—Cotton Piece Goods.
Claims use since Sept. 1, 1922.

Ser. No. 180,545. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) E. MILIUS & CO., New York, N. Y. Filed May 12, 1923.

EMCO IMPORTED
LUSTERLITE
ENGLISH BROADCLOTH
REG. U.S. PAT. OFF.

No claim is made to the exclusive use of the words "Imported" and "English Broadcloth," and "Reg. U. S. Pat. Off.," apart from the mark as shown.

Particular description of goods.—Cotton Piece Goods.
Claims use since Jan. 15, 1923.

Ser. No. 180,567. (CLASS 37. PAPER AND STATIONERY.) THE UNION PAPER & TWINE CO., Cleveland, Ohio. Filed May 12, 1923.



No claim made to the words "Perfection Fibre" and the illustration of the roll of paper apart from the mark as shown.

Particular description of goods.—Wrapping Paper.
Claims use since Dec. 29, 1922.

Ser. No. 180,583. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) THE CAPCOSS CO., INC., Martinsville, Va. Filed May 14, 1923.

Capcoss

Particular description of goods.—Medicinal Preparation Recommended for Use in the Treatment of Rheumatic, Neuritic, and Sciatic Affections; Myalgia, Neuralgia, Lumbago, Headache, Migraine, Colds and La Grippe.
Claims use since Feb. 1, 1923.

Ser. No. 180,597. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) HENRY BEAUREGARD FURGERSON M. D., doing business as Furgerson Drug Co., Halifax, N. C. Filed May 14, 1923.



Particular description of goods.—Dog and Puppy Tonic, Antiseptic Tablets, and Blood Pills.
Claims use since May 7, 1923.

Ser. No. 180,599. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) HEADEX REMEDY CO., McKeesport, Pa. Filed May 14, 1923.

HEADEX

Particular description of goods.—Headache Capsules.
Claims use since Feb. 20, 1922.

Ser. No. 180,600. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) NEWTON S. HILLYARD, doing business as Hillyard Chemical Company, St. Joseph, Mo. Filed May 14, 1923.

Pine-O-cide

Particular description of goods.—Disinfectant.
Claims use since Feb. 15, 1916.

Ser. No. 180,615. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) THE NEW JERSEY ZINC COMPANY, Newark and Franklin, N. J. Filed May 14, 1923.

KADOX

Particular description of goods.—Zinc Oxide.
Claims use since Apr. 4, 1923.

Ser. No. 180,623. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) SEYMOUR S. SCHOEN, doing business as Modern Exterminating Co., New York, N. Y. Filed May 14, 1923.

ALL-DIE

Particular description of goods.—Liquid for Exterminating Vermin.
Claims use since January, 1917.

Ser. No. 180,626. (CLASS 5. ADHESIVES.) SMITH OIL & REFINING COMPANY, Rockford, Ill. Filed May 14, 1923.

SMITH'S
L-O
CORE OIL

No exclusive claim made to the words "Smith's" and "Core Oil" apart from the mark as shown.

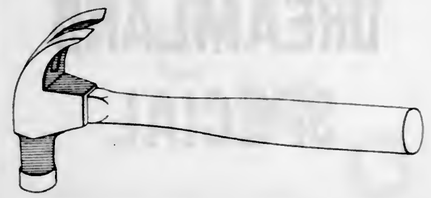
Particular description of goods.—Core Oil.
Claims use since Apr. 1, 1923.

Ser. No. 180,630. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) E. R. SQUIBB & SONS, New York, N. Y. Filed May 14, 1923.

COMFORT

Particular description of goods.—Cold Cream.
Claims use since Apr. 18, 1923.

Ser. No. 180,666. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) KELLY AXE MANUFACTURING COMPANY, Charleston, W. Va. Filed May 15, 1923.



No claim is made to the exclusive use of the representation of a hammer apart from the mark shown in the drawing. The mark consists of a circumferential blue band displayed upon the neck of the hammer and in the blue color of the inner surface of the claw and the adjacent body surface, the lining on the drawing expressing the color blue.

Particular description of goods.—Hammers.
Claims use since May 1, 1922.

Ser. No. 180,688. (CLASS 50. MERCHANDISE NOT OTHERWISE CLASSIFIED.) C. & W. CAP COMPANY, Nevada, Iowa. Filed May 16, 1923.

HANDY-CAP

The word "Cap" is disclaimed apart from the other features of the mark.

Particular description of goods.—Caps and Closures for Receptacles and Containers.
Claims use since Feb. 26, 1923.

Ser. No. 180,702. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) INTERNATIONAL CONSOLIDATED CHEMICAL CORPORATION, INC., doing business as Dae Health Laboratories, New York, N. Y. Filed May 16, 1923.

MISOMA

Particular description of goods.—Medicinal Preparation for Intestinal Disorders.
Claims use since about beginning of February, 1923.

Ser. No. 180,713. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) H. A. METZ & CO., INC., New York, N. Y. Filed May 16, 1923.

MALTEX

Particular description of goods.—Preparation for Removing Starch and Sizing From Textiles.
Claims use since Mar. 14, 1923.

Ser. No. 180,716. (CLASS 32. FURNITURE AND UPHOLSTERY.) NEW YORK BED SPRING MFG. CO., Detroit, Mich. Filed May 16, 1923.

DREAMLAND SPECIAL

Particular description of goods.—Bed Springs.
Claims use since Jan. 1, 1921.

Ser. No. 180,740. (CLASS 39. CLOTHING.) HARRY BERGER, doing business as Harry Berger Shirt Company, New York, N. Y. Filed May 17, 1923.

COUNTRY GENTLEMAN

Particular description of goods.—Men's and Boys' Collars, Pyjamas, and Shirts, Including Dress, Negligee, and Work Shirts.
Claims use since Apr. 17, 1923.

Ser. No. 180,741. (CLASS 39. CLOTHING.) HARRY BERGER, doing business as Harry Berger Shirt Company, New York, N. Y. Filed May 17, 1923.

KINGSATIN

Particular description of goods.—Men's and Boys' Collars, Pyjamas, and Shirts, Including Dress, Negligee, and Work Shirts.
Claims use since Apr. 17, 1923.

Ser. No. 180,742. (CLASS 39. CLOTHING.) HARRY BERGER, doing business as Harry Berger Shirt Company, New York, N. Y. Filed May 17, 1923.

MAH YONG

Particular description of goods.—Men's and Boys' Collars, Pyjamas, and Shirts, Including Dress, Negligee, and Work Shirts.
Claims use since Apr. 17, 1923.

Ser. No. 180,743. (CLASS 39. CLOTHING.) HARRY BERGER, doing business as Harry Berger Shirt Company, New York, N. Y. Filed May 17, 1923.

MAIN STREET

Particular description of goods.—Men's and Boys' Collars, Pyjamas, and Shirts, Including Dress, Negligee, and Work Shirts.
Claims use since Apr. 17, 1923.

Ser. No. 180,750. (CLASS 4. ABRASIVE, DETERGENT, AND POLISHING MATERIALS.) SUSANNA COCROFT LABORATORIES INC., New York, N. Y. Filed May 17, 1923.

Susanna Cocroft

The drawing is a facsimile of the signature of Susanna Cocroft.
Particular description of goods.—Soap.
Claims use since about Jan. 12, 1922.

Ser. No. 180,816. (CLASS 39. CLOTHING.) SPA KNITTING CO. INC., Ballston Spa, N. Y. Filed May 18, 1923.

SPA-NIT

Particular description of goods.—Sport Goods—Namely, Bathing Suits, Sport Coats, and Sweaters.
Claims use since Aug. 1, 1921.

Ser. No. 180,837. (CLASS 39. CLOTHING.) BROWNHILL & KRAMER, Philadelphia, Pa. Filed May 19, 1923.

KNIFTY

Particular description of goods.—Hosiery.
Claims use since Mar. 15, 1923.

Ser. No. 180,847. (CLASS 39. CLOTHING.) GEO. ENGLISH JR. & CO., Shamokin, Pa. Filed May 19, 1923.

FASHUNFIT

Particular description of goods.—Men's, Women's, and Children's Hosiery and Knitted Underwear.
Claims use since Jan. 2, 1921.

Ser. No. 180,892. (CLASS 39. CLOTHING.) ROSENWALD & WEIL, INC., Chicago, Ill. Filed May 19, 1923.

PILGRIMS

Particular description of goods.—Wearing Apparel for Men and Women—Namely, Overcoats, Raincoats, Topcoats, Ulsters, Golf and Sport Suits Made of Wool, House Coats, Lounging Robes, Two and Three Piece Summer Suits, Business Suits, Pants, Vests, and Knickers.
Claims use since Feb. 1, 1923.

Ser. No. 180,912. (CLASS 12. CONSTRUCTION MATERIALS.) VENESTA LIMITED, London, England. Filed May 19, 1923.

PLYMAX

The trade-mark consists of the coined or fancy word "Plymax."
Particular description of goods.—Ply Wood, Veneer, Sawed Timber, or Cork Reenforced with Sheet Metal Cemented to One or Both Surfaces, the Wood Always Predominating.
Claims use since Feb. 1, 1923.

Ser. No. 180,916. (CLASS 12. CONSTRUCTION MATERIALS.) J. S. WILLIAMS, doing business as The Williams Stained Shingle Co., Vancouver, Wash. Filed May 19, 1923.

COLOR-THATCH

Particular description of goods.—Stained Wooden Shingles.
Claims use since Mar. 23, 1923.

Ser. No. 180,946. (CLASS 39. CLOTHING.) SOLOMON MFG. CO., St. Louis, Mo. Filed May 21, 1923.

"HIKE-IN"

Particular description of goods.—Sport and Outing Dresses and Suits for Children, Girls, Misses, and Women.
Claims use since Feb. 1, 1923.

Ser. No. 180,970. (CLASS 37. PAPER AND STATIONERY.) FORT HOWARD PAPER COMPANY, Green Bay, Wis. Filed May 22, 1923.

NARCISSUS CREPE

The word "Crepe" is disclaimed apart from the mark as shown.
Particular description of goods.—Toilet Paper, Paper Napkins, Paper Towels, and Paper Tablecloths.
Claims use since Feb. 28, 1921.

Ser. No. 180,999. (CLASS 39. CLOTHING.) EVERSTYLE HOSIERY CO., Cedarburg, Wis. Filed May 22, 1923.

EVERSTYLE

Particular description of goods.—Hosiery.
Claims use since Apr. 30, 1923.

Ser. No. 181,047. (CLASS 12. CONSTRUCTION MATERIALS.) SMITH & KANZLER, Elizabeth, N. J. Filed May 23, 1923.

NEMO

Particular description of goods.—Asbestos Cement.
Claims use since Apr. 2, 1923.

Ser. No. 181,056. (CLASS 39. CLOTHING.) THE BRIGHAM COMPANY, Springfield, Mass. Filed May 24, 1923.

Brigham's Spinning Wheel

Particular description of goods.—Hosiery.
Claims use since Dec. 1, 1916.

Ser. No. 181,116. (CLASS 39. CLOTHING.) THE WALTER A. GOLDSMITH CO., Cleveland, Ohio. Filed May 25, 1923.

Goldette

Trade-mark consists of the word "Goldette."
Particular description of goods.—Bloomers.
Claims use since May 9, 1923.

Ser. No. 181,144. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) JOHN ORMEROD & SONS LTD., Castleton, England. Filed May 25, 1923.

SQUIRREL BRAND

No claim is made for the word "Brand" apart from the mark as shown.
Particular description of goods.—Leather Roller Skins.
Claims use since Oct. 10, 1908.

Ser. No. 181,170. (CLASS 39. CLOTHING.) JOSEPH C. BOSSONG, doing business as J. C. Bossong & Co., New York, N. Y. Filed May 26, 1923.

ARGUS

Trade-mark consists of the word "Argus."
Particular description of goods.—Hosiery.
Claims use since June 2, 1922.

Ser. No. 181,234. (CLASS 39. CLOTHING.) ALTA CLOTHING COMPANY, Boston, Mass. Filed May 28, 1923.

ALTMORE

Trade-mark consists of the word "Altmore."
Particular description of goods.—Men's and Youths' Overcoats, Raincoats, Suit Coats, Suits, Vests, and Trousers.
Claims use since Feb. 10, 1923.

Ser. No. 181,238. (CLASS 39. CLOTHING.) BASS & GROSS, New York, N. Y. Filed May 28, 1923.



Particular description of goods.—Dresses for Ladies and Misses.
Claims use since Jan. 12, 1922.

Ser. No. 181,262. (CLASS 43. THREAD AND YARN.) MARSHALL FIELD & COMPANY, Chicago, Ill. Filed May 28, 1923.

FEATHERLIGHT

Particular description of goods.—Wool and Wool and Silk Mixture Yarns.
Claims use since Feb. 14, 1923.

Ser. No. 181,263. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) MARSHALL FIELD & COMPANY, Chicago, Ill. Filed May 28, 1923.

FIELD FLOWER

Particular description of goods.—Muslin in the Piece.
Claims use since Feb. 13, 1923.

Ser. No. 181,266. (CLASS 43. THREAD AND YARN.) MARSHALL FIELD & COMPANY, Chicago, Ill. Filed May 28, 1923.

PEARLY FLUFF

Particular description of goods.—Wool and Wool and Silk Mixture Yarns.
Claims use since Feb. 14, 1923.

Ser. No. 181,268. (CLASS 43. THREAD AND YARN.) MARSHALL FIELD & COMPANY, Chicago, Ill. Filed May 28, 1923.

RIPPLE TONE

Particular description of goods.—Wool and Wool and Silk Mixture Yarns.
Claims use since Apr. 28, 1923.

Ser. No. 181,302. (CLASS 39. CLOTHING.) THOMAS J. MULCAHY, Boston, Mass. Filed May 28, 1923.

CHARM

Trade-mark consists of the word "Charm."
Particular description of goods.—Hosiery and Silk Underwear.
Claims use since Jan. 2, 1923.

Ser. No. 181,307. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) PENNSYLVANIA TEXTILE MILLS, INC., Glen Riddle, Pa., and New York, N. Y. Filed May 28, 1923.



Particular description of goods.—Pile Fabrics in the Piece.
Claims use since Apr. 11, 1923.

Ser. No. 181,325. (CLASS 39. CLOTHING.) UNITED MILLS COMPANY, INC., Louisville, Ky. Filed May 28, 1923.

WOODLAN

Particular description of goods.—Men's, Women's, and Children's Hosiery.
Claims use since Apr. 15, 1923.

Ser. No. 181,339. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) THE ESMOND MILLS, Esmond, Smithfield, R. I. Filed May 29, 1923.

BUNNY

Particular description of goods.—Woven Textile Fabrics Used as Blanket Fabrics, Upholstery Fabrics, and Dress Fabrics for Making Clothing, Both Underwear and Outer Wear.
Claims use since about May, 1922.

Ser. No. 181,343. (CLASS 22. GAMES, TOYS, AND SPORTING GOODS.) BERTHA M. LARKIN, Georgetown, Mass. Filed May 29, 1923.

Dolly Varden

Particular description of goods.—Toy Villages and Dolls.
Claims use since May 14, 1923.

Ser. No. 181,372. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) AMERICAN WOOLEN COMPANY, Rochdale, Mass. Filed May 31, 1923.

BUROLAINE

Particular description of goods.—Woolen Piece Goods.
Claims use since Jan. 23, 1923.

Ser. No. 181,378. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) CHENEY BROTHERS, South Manchester, Conn. Filed May 31, 1923.

Inlai

Particular description of goods.—Woven, Knitted, Netted, Textile and Pile Fabrics in the Piece Comprised in Whole or in Part of Silk.
Claims use since May 23, 1923.

Ser. No. 181,388. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) DRUGGISTS' SUPPLY CORPORATION, New York, N. Y. Filed May 31, 1923.

SOFTEX

Particular description of goods.—Handkerchiefs.
Claims use since Apr. 13, 1923.

Ser. No. 181,429. (CLASS 14. METALS AND METAL CASTINGS AND FORGINGS.) WESTERN DROP FORGE COMPANY, Marion, Ind. Filed May 31, 1923.

"CERTIFIED"

Particular description of goods.—Drop Forgings.
Claims use since Apr. 24, 1923.

Ser. No. 181,442. (CLASS 37. PAPER AND STATIONERY.) FORT HOWARD PAPER COMPANY, Green Bay, Wis. Filed June 1, 1923.

SHADOW

Particular description of goods.—Toilet Paper, Paper Napkins, Paper Towels, and Paper Tablecloths.
Claims use since Apr. 6, 1923.

Ser. No. 181,489. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) B. B. & R. KNIGHT, INC., Providence, R. I., and New York, N. Y. Filed June 2, 1923.

FRUIT OF THE LOOM

Particular description of goods.—Sheets and Pillowcases.
Claims use since Nov. 25, 1891.

Ser. No. 181,506. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) WECHSLER BARBER SILK COMPANY, INC., New York, N. Y. Filed June 2, 1923.

GODDESS

Trade-mark consists of the word "Goddess."
Particular description of goods.—Silk Piece Goods.
Claims use since on or about May 23, 1923.

Ser. No. 181,507. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) WILTON MANUFACTURING COMPANY, INC., New York, N. Y. Filed June 2, 1923.



Particular description of goods.—Cotton Piece Goods.
Claims use since Apr. 28, 1916.

Ser. No. 181,550. (CLASS 39. CLOTHING.) WYMAN, PARTRIDGE & CO., Minneapolis, Minn. Filed June 4, 1923.

POLAR

Particular description of goods.—Work Shirts and Negligee Shirts.
Claims use since May 28, 1923.

Ser. No. 181,558. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) CONSOLIDATED TEXTILE CORPORATION, New York, N. Y. Filed June 5, 1923.

Cotto-Chine

Particular description of goods.—Cotton Piece Goods Commercially Known as Foulard and Plissé, In Printed, Woven, and Plain Colors.
Claims use since May 25, 1923.

Ser. No. 181,563. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) R. GINSBERG & BRO., New York, N. Y. Filed June 5, 1923.

WearRite

Particular description of goods.—Ladies' Hair Nets.
Claims use since Jan. 2, 1923.

Ser. No. 181,585. (CLASS 37. PAPER AND STATIONERY.) WILLIAM H. BLAKE, Jersey City, N. J. Filed June 6, 1923.

DUZ-MOR

Particular description of goods.—Mechanical Pencils.
Claims use since May 24, 1923.

Ser. No. 181,729. (CLASS 43. THREAD AND YARN.) J. & P. COATS, (R. I.) INC., Pawtucket, R. I. Filed June 9, 1923.

FIBERSHEEN

Particular description of goods.—Thread and Yarn.
Claims use since Apr. 14, 1922.

Ser. No. 181,731. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) CONTINENTAL MILLS, INC., Philadelphia and Germantown, Pa. Filed June 9, 1923.

GLENCAIRN

Trade-mark consists of the word "Glencairn."
Particular description of goods.—Woolen Fabrics, More Particularly Knitted Fabrics in the Piece.
Claims use since about Aug. 11, 1922.

Ser. No. 181,732. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) CONTINENTAL MILLS, INC., Philadelphia and Germantown, Pa. Filed June 9, 1923.

HEATHDOWN

Trade-mark consists of the word "Heathdown."
Particular description of goods.—Woolen Fabrics in the Piece.
Claims use since about May 12, 1922.

Ser. No. 181,743. (CLASS 45. BEVERAGES, NONALCOHOLIC.) NOYES E. FRENCH, Boston, Mass. Filed June 9, 1923.

IDLE HOUR

Particular description of goods.—Nonintoxicating, Nonalcoholic, Noncereal, Maltless Beverages Sold as Soft Drinks—Namely, Ginger Ale, Root Beer, Lemon, Orange, Sarsaparilla, Birch Beer, Lemon and Lime, Orangeade, Grape, and Raspberry—and Sirups Used in the Preparation of Same.
Claims use since July 1, 1920.

Ser. No. 181,748. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) HEISS, BRUSH & CO., INC., New York, N. Y. Filed June 9, 1923.

"MY NAME"

Trade-mark consists of the words "My Name."
Particular description of goods.—Handkerchiefs.
Claims use since May 22, 1923.

Ser. No. 181,752. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) KNITTED TEXTILES CORPORATION, Allentown, Pa. Filed June 9, 1923.

Trequard

Particular description of goods.—Fabrics Knitted of Worsted, Worsted and Fiber Silk, and All Fiber Silk.
Claims use since Apr. 16, 1923.

TRADE-MARK REGISTRATIONS GRANTED

[ACT OF FEBRUARY 20, 1905.]

AUGUST 7, 1923.

171,283. PISTON-ROD PACKING MADE OF ASBESTOS. JOHNS-MANVILLE INCORPORATED, New York, N. Y.
Filed October 4, 1922. Serial No. 170,294. (PUBLISHED APRIL 17, 1923.

171,284. LUBRICANTS COMPRISING OILS AND GREASES. KEYSTONE LUBRICATING COMPANY, Philadelphia, Pa.
Filed April 3, 1923. Serial No. 178,512. PUBLISHED MAY 15, 1923.

171,285. LUBRICANTS COMPRISING OILS AND GREASES. KEYSTONE LUBRICATING COMPANY, Philadelphia, Pa.
Filed April 3, 1923. Serial No. 178,514. PUBISHED MAY 15, 1923.

171,286. LUBRICANTS COMPRISING OILS AND GREASES. KEYSTONE LUBRICATING COMPANY, Philadelphia, Pa.
Filed April 3, 1923. Serial No. 178,515. PUBLISHED MAY 15, 1923.

171,287. LUBRICANTS COMPRISING OILS AND GREASES. KEYSTONE LUBRICATING COMPANY, Philadelphia, Pa.
Filed April 3, 1923. Serial No. 178,516. PUBLISHED MAY 15, 1923.

171,288. LUBRICANTS COMPRISING OILS AND GREASES. KEYSTONE LUBRICATING COMPANY, Philadelphia, Pa.
Filed April 3, 1923. Serial No. 178,519. PUBLISHED MAY 15, 1923.

171,289. ANTISEPTIC POWDER. DAMON A. BINKERT, doing business as Solvine Chemical Company, Washington, D. C.
Filed April 4, 1923. Serial No. 178,546. PUBLISHED MAY 22, 1923.

171,290. LUBRICANTS COMPRISING OILS AND GREASES. KEYSTONE LUBRICATING COMPANY, Philadelphia, Pa.
Filed April 7, 1923. Serial No. 178,741. PUBLISHED MAY 15, 1923.

171,291. NAINSOOK ATHLETIC UNDERWEAR IN ONE AND TWO PIECE GARMENTS FOR MEN, WOMEN, AND CHILDREN. MICHAEL P. TULLY, doing business as Atex Mills, New York, N. Y.
Filed July 6, 1922. Serial No. 166,542. PUBLISHED MAY 8, 1923.

171,292. CHILDREN'S AND LADIES' COATS AND CAPES. YALE CLOAK CO. INC., New York, N. Y.
Filed July 1, 1922. Serial No. 166,426. PUBLISHED MAY 8, 1923.

171,293. CLOTHING—VIZ, A GARMENT COMPOSED OF A COMBINATION BRASSIÈRE AND CHEMISE. VANITY FAIR SILK MILLS, Reading, Pa.
Filed July 1, 1922. Serial No. 166,420. PUBLISHED MAY 1, 1923.

171,294. CERTAIN NAMED ABRASIVES. A. P. MUNNING & CO., Matawan, N. J.
Filed June 30, 1922. Serial No. 166,312. PUBLISHED APRIL 24, 1923.

171,295. CHOCOLATE. LAMONT-CORLISS AND COMPANY, New York, N. Y.
Filed June 30, 1922. Serial No. 166,307. PUBLISHED MAY 15, 1923.

171,296. HOSIERY; KNITTED AND TEXTILE FABRIC UNDERWEAR FOR MEN, WOMEN, AND CHILDREN. DAVENPORT BROTHERS, Chattanooga, Tenn.
Filed June 30, 1922. Serial No. 166,295. PUBLISHED MAY 8, 1923.

171,297. HOSIERY. BURSON KNITTING COMPANY, Rockford, Ill.
Filed June 15, 1922. Serial No. 165,521. PUBLISHED MAY 1, 1923.

171,298. LINGERIE, WOMEN'S AND CHILDREN'S GYMNASIUM BLOOMERS AND UNDERWEAR MADE OF COTTON AND SILK FABRICS. THE JEAN GARMENT COMPANY, Chicago, Ill.
Filed June 12, 1922. Serial No. 165,382. PUBLISHED MAY 1, 1923.

171,299. REPRODUCTION OF PRECIOUS AND SEMI-PRECIOUS GEMS AND STONES. JOS. H. MEYER BROS., INC., Brooklyn, N. Y.
Filed June 3, 1922. Serial No. 164,932. PUBLISHED APRIL 24, 1923.

171,300. REPRODUCTIONS OF PRECIOUS AND SEMI-PRECIOUS GEMS AND STONES. JOS. H. MEYER BROS., INC., Brooklyn, N. Y.
Filed June 3, 1922. Serial No. 164,931. PUBLISHED APRIL 24, 1923.

171,301. CAST-IRON GAS AND WATER PIPES AND FITTINGS. WARREN FOUNDRY AND MACHINE COMPANY, Phillipsburg, N. J.
Filed June 2, 1922. Serial No. 164,846. PUBLISHED APRIL 24, 1923.

171,302. BATHING CAPS. RUDOLPH F. GRAIGEN, New York, N. Y.
Filed June 1, 1922. Serial No. 164,757. PUBLISHED MAY 1, 1923.

171,303. MASTICATORIES—NAMELY, CHEWING GUM AND CANDIES. JOHN H. WALTER, Brooklyn, N. Y.
Filed May 31, 1922. Serial No. 164,738. PUBLISHED MAY 15, 1923.

171,304. RAZOR STRAPS. G. N. W. WILSON, Tacoma, Wash.
Filed May 29, 1922. Serial No. 164,684. PUBLISHED APRIL 24, 1923.

171,305. COTTON AND WOOLEN HOSIERY AND UNDERWEAR OF KNITTED MATERIAL FOR MEN, WOMEN, AND CHILDREN. SAMUEL QUINT, doing business as Samuel Quint Company, New York, N. Y.
Filed May 29, 1922. Serial No. 164,667. PUBLISHED MAY 1, 1923.

171,306. CHOCOLATE-COATED RAISINS. SEVERIN S. LEE, doing business as S. S. Lee & Co., Spokane, Wash.
Filed May 29, 1922. Serial No. 164,649. PUBLISHED MAY 1, 1923.

171,307. RUBBER APRONS. THE OBERNDORFER COMPANY, Milwaukee, Wis.
Filed May 20, 1922. Serial No. 164,185. PUBLISHED MAY 1, 1923.

171,308. RADIO AND WIRELESS TELEPHONE EQUIPMENT CONSISTING OF RECEIVING AND TRANSMITTING SETS AND PARTS THEREOF. AUDIOLA RADIO COMPANY, Chicago, Ill.
Filed May 4, 1922. Serial No. 163,304. PUBLISHED AUGUST 29, 1922.

171,309. CANDY. GURLEY CANDY COMPANY, Minneapolis, Minn.
Filed May 3, 1922. Serial No. 163,267. PUBLISHED MAY 15, 1923.

171,310. CANDY. U. B. S. CANDY STORES, INC., doing business as United Happiness Candy Stores, Long Island City, N. Y.
Filed April 19, 1922. Serial No. 162,594. PUBLISHED MAY 1, 1923.

171,311. PICKLES AND CANNED VEGETABLES. AMERICAN PICKLE & CANNING CO., Hattiesburg, Miss.
Filed July 10, 1922. Serial No. 166,621. PUBLISHED MAY 15, 1923.

171,312. UNBLEACHED SHEETINGS AND DRILLS. ROBERT A. SUFFERN, New York, N. Y.
Filed July 13, 1922. Serial No. 166,856. PUBLISHED MARCH 27, 1923.

171,313. CERTAIN NAMED FOOD AND INGREDIENTS OF FOODS. CHAS. W. BAUERMEISTER CO., INC., Terre Haute, Ind.
Filed July 15, 1922. Serial No. 166,932. PUBLISHED MAY 15, 1923.

171,314. ICE-MAKING AND REFRIGERATING MACHINERY AND THE SEVERAL PARTS THEREOF. THE TRIUMPH ELECTRIC CO., doing business as The Triumph Ice Machine Co., Oakley, Cincinnati, Ohio.
Filed July 21, 1922. Serial No. 167,210. PUBLISHED MAY 1, 1923.

171,315. REFRIGERATED COMESTIBLES—NAMELY, FROZEN FISH. PAUL W. PETERSEN, Chicago, Ill.
Filed July 26, 1922. Serial No. 167,421. PUBLISHED MAY 1, 1923.

171,316. MEN'S AND YOUNG MEN'S SUITS AND TOPCOATS. STERN CLOTHING CO., New York, N. Y.
Filed August 5, 1922. Serial No. 167,851. PUBLISHED MAY 1, 1923.

171,317. HONEY AND NUT CONFECTIONS. ARISTIDE DE VITO, doing business as Washington Pastry Co., San Francisco, Calif.
Filed August 7, 1922. Serial No. 167,867. PUBLISHED MAY 1, 1923.

171,318. PRINTING INKS. JAENECKE-AULT COMPANY, Newark, N. J.
Filed August 11, 1922. Serial No. 168,135. PUBLISHED APRIL 24, 1923.

171,319. LEMONADE POWDERS. FREEMAN'S FOODS, LIMITED, Watford, England.
Filed August 12, 1922. Serial No. 168,147. PUBLISHED APRIL 24, 1923.

171,320. CANDY. BUNTE BROTHERS, Chicago, Ill.
Filed August 16, 1922. Serial No. 168,294. PUBLISHED MAY 8, 1923.

171,321. PRINTING AND WRITING PAPER. HAMPSHIRE PAPER COMPANY, South Hadley Falls, Mass.
Filed August 16, 1922. Serial No. 168,305. PUBLISHED MAY 8, 1923.

171,322. PUZZLES. THOMAS C. WASHINGTON, Chevy Chase, Washington, D. C.
Filed August 16, 1922. Serial No. 168,342. PUBLISHED MAY 1, 1923.

171,323. CANNED FRUITS. KINGS COUNTY PACKING CO., Armona, Calif.
Filed August 18, 1922. Serial No. 168,421. PUBLISHED MAY 15, 1923.

171,324. BATHING SUITS. AVALON KNITWEAR COMPANY, Utica, N. Y.
Filed August 22, 1922. Serial No. 168,570. PUBLISHED MAY 8, 1923.

171,325. WAISTS AND HOSIERY. THE HOUSE OF BYER, Malden, Mass.
Filed August 23, 1922. Serial No. 168,614. PUBLISHED MAY 1, 1923.

171,326. SILVER-PLATED FLATWARE, SILVER-PLATED TABLEWARE, AND SILVER-PLATED CUTLERY. ONEIDA COMMUNITY, LIMITED, Oneida, N. Y.
Filed August 23, 1922. Serial No. 168,617. PUBLISHED APRIL 24, 1923.

171,327. SILVER-PLATED FLATWARE, SILVER-PLATED TABLEWARE, AND SILVER-PLATED CUTLERY. ONEIDA COMMUNITY, LIMITED, Oneida, N. Y.
Filed August 23, 1922. Serial No. 168,618. PUBLISHED APRIL 24, 1923.

171,328. SHERBET BARS. COVERDALE & BRUEBAKER, Sioux City, Iowa.
Filed August 24, 1922. Serial No. 168,633. PUBLISHED MAY 15, 1923.

171,329. SILVER-PLATED FLATWARE, SILVER-PLATED TABLEWARE, AND SILVER-PLATED CUTLERY. ONEIDA COMMUNITY, LIMITED, Oneida, N. Y.
Filed August 26, 1922. Serial No. 168,724. PUBLISHED APRIL 24, 1923.

171,330. HOSIERY. READ HOSIERY MILLS, McMinnville, Tenn.
Filed August 28, 1922. Serial No. 168,788. PUBLISHED MAY 8, 1923.

171,331. CANNED PREPARED CAVIAR. DINE K. DOUCLEFF, Peoria, Ill.
Filed November 20, 1922. Serial No. 172,266. PUBLISHED MAY 8, 1923.

171,332. FRESH BLUEBERRIES. JOSEPH J. WHITE, INC., New Lisbon, N. J.
Filed November 23, 1922. Serial No. 172,457. PUBLISHED MAY 8, 1923.

171,333. CANDIES AND ASSORTED CHOCOLATES. THE UNION NEWS COMPANY, New York, N. Y.
Filed November 24, 1922. Serial No. 172,498. PUBLISHED MAY 15, 1923.

171,334. FOOD FLAVORINGS AND SPICES. B. HELLER & COMPANY, Chicago, Ill.
Filed November 25, 1922. Serial No. 172,530. PUBLISHED MAY 22, 1923.

171,335. CANDY. FRANK G. SHATTUCK COMPANY, doing business as Schrafft's, New York, N. Y.
Filed November 25, 1922. Serial No. 172,560. PUBLISHED MAY 15, 1923.

171,336. FRUIT PRESERVES, JELLIES, AND OTHER CANNED FRUIT PRODUCTS. JITZ AND FORTKAMP COMPANY, South Milwaukee, Wis.
Filed November 27, 1922. Serial No. 172,620. PUBLISHED MAY 8, 1923.

171,337. PUFFED-WHEAT CONFECTION. E. F. ALLINGHAM MFG. CO., Colorado Springs, Colo.
Filed December 1, 1922. Serial No. 172,714. PUBLISHED APRIL 17, 1923.

171,338. CHEESE. BEATRICE CREAMERY COMPANY, Chicago, Ill.
Filed December 1, 1922. Serial No. 172,793. PUBLISHED APRIL 10, 1923.

171,339. WASHING COMPOUNDS AND LIQUIDS. EDWIN NOTT BLACKMORE, Vancouver, British Columbia, Canada.
Filed December 2, 1922. Serial No. 172,825. PUBLISHED APRIL 24, 1923.

171,340. PHARMACEUTICAL PREPARATIONS USED AS AN INHALANT FOR USE IN CASES2 OF TUBERCULOSIS. N. L. WAELCHLI, Denver, Colo.
Filed December 2, 1922. Serial No. 172,852. PUBLISHED APRIL 24, 1923.

171,341. WHEAT FLOUR. LOUISVILLE MILLING COMPANY, Minneapolis, Minn.
Filed December 4, 1922. Serial No. 172,890. PUBLISHED APRIL 10, 1923.

171,342. SODA CRACKERS. TACOMA BISCUIT & CANDY COMPANY, Tacoma, Wash.
Filed December 4, 1922. Serial No. 172,913. PUBLISHED APRIL 10, 1923.

171,343. OYSTERS IN THE CANNED AND NATURAL STATE. SAMUEL B. FIELD, doing business as Tom's Cove Salt Sea Oyster Co., Chincoteague Island, Va.
Filed December 11, 1922. Serial No. 173,184. PUBLISHED MAY 8, 1923.

171,344. CANDIED ALMONDS. CHARLES OLMSTED, San Francisco, Calif.
Filed December 11, 1922. Serial No. 173,202. PUBLISHED MAY 22, 1923.

171,345. REFRIGERATORS AND REFRIGERATOR SHOW CASES. REUBEN E. OTTENHEIMER, doing business as The Reol Refrigerator Co., Baltimore, Md.
Filed December 11, 1922. Serial No. 173,204. PUBLISHED APRIL 24, 1923.

171,346. BARLEY-MALT EXTRACT. JACOB RUPPERT, New York, N. Y.
Filed December 11, 1922. Serial No. 173,213. PUBLISHED MAY 1, 1923.

171,347. GASKET SHELLAC, GLUE, AND PASTE. BENJAMIN LEVITT, Philadelphia, Pa.
Filed December 13, 1922. Serial No. 173,290. PUBLISHED MAY 1, 1923.

171,348. SCOURING UTENSILS. THE CHORE UTENSILS CORPORATION OF AMERICA, Orange, N. J.
Filed December 14, 1922. Serial No. 173,321. PUBLISHED APRIL 24, 1923.

171,349. PAINTBRUSHES. W. T. GRANT COMPANY, Lynn, Mass., and New York, N. Y.
Filed December 14, 1922. Serial No. 173,326. PUBLISHED MAY 1, 1923.

171,350. CERTAIN NAMED ABRASIVES. PIKE MANUFACTURING COMPANY, Pike and Littleton, N. H.; Evansville, Vt.; New York, N. Y.; Orleans, Ind.; Hot Springs, Ark.
Filed December 15, 1922. Serial No. 173,362. PUBLISHED APRIL 24, 1923.

171,351. FRESH CITROUS FRUITS. VERO INDIAN RIVER PRODUCERS ASSOCIATION, Vero, Fla.
Filed November 1, 1922. Serial No. 171,478. PUBLISHED MAY 8, 1923.

171,352. AUTOMOBILES AND CONSTRUCTIVE PARTS THEREOF. STAR MOTORS INCORPORATED, New York, N. Y.
Filed October 28, 1922. Serial No. 171,340. PUBLISHED MAY 8, 1923.

171,353. AUTOMOBILE AND TRUCK BODIES, CABS; DUMP, MINE, QUARRY, AND INDUSTRIAL CARS; AND MOTOR BUSSES. CONTINENTAL CAR COMPANY OF AMERICA, Louisville, Ky.
Filed October 26, 1922. Serial No. 171,203. PUBLISHED MAY 1, 1923.

171,354. PLASTER IN POWDERED FORM FOR USE IN FORMING A VULCANIZING PAD. MURDOCK VULCANIZING CO., Montrose, Colo.
Filed October 25, 1922. Serial No. 171,181. PUBLISHED MAY 1, 1923.

171,355. YEAST CAKES FOR CULINARY PURPOSES. REEL PRODUCTS COMPANY, Cedar Rapids, Iowa.
Filed October 23, 1922. Serial No. 171,104. PUBLISHED MAY 8, 1923.

171,356. EMPTY CONTAINERS FOR COFFEE AND THE LIKE. JAS. H. FORBES TEA & COFFEE CO., St. Louis, Mo.
Filed October 20, 1922. Serial No. 170,975. PUBLISHED MAY 15, 1923.

171,357. CANNED SALMON. CHINOOK PACKING COMPANY, Chinook, Wash.
Filed October 19, 1922. Serial No. 170,927. PUBLISHED MAY 15, 1923.

171,358. GASKETS FOR INTERNAL-COMBUSTION ENGINES AND MACHINERY IN GENERAL. JOHN E. GLEASON, Asbury Park, N. J.
Filed October 18, 1922. Serial No. 170,880. PUBLISHED MAY 1, 1923.

171,359. NEBULIZERS AND SYRINGES. PARKE, DAVIS & COMPANY, Detroit, Mich.
Filed October 16, 1922. Serial No. 170,782. PUBLISHED MAY 15, 1923.

171,360. MACARONI. PETER ROSSI & SONS INC., Braidwood, Ill.
Filed October 14, 1922. Serial No. 170,730. PUBLISHED MAY 8, 1923.

171,361. DATES. BURDETTE K. MARVIN, doing business as Marvin Date Company, Riverside, Calif.
Filed October 13, 1922. Serial No. 170,688. PUBLISHED MAY 8, 1923.

171,362. COFFEE. J. F. GOODSON & COMPANY, trading as J. F. G. Coffee Co., Morristown, Tenn.
Filed October 11, 1922. Serial No. 170,582. PUBLISHED MAY 8, 1923.

171,363. REFRACTORY LININGS, BRICKS, CEMENTS, ETC. THE VITREFRAX COMPANY, INC., Los Angeles, Calif.
Filed October 6, 1922. Serial No. 170,417. PUBLISHED MAY 8, 1923.

171,364. REFRACTORY LININGS, BRICKS, CEMENTS, ETC. THE VITREFRAX COMPANY, INC., Los Angeles, Calif.
Filed October 6, 1922. Serial No. 170,415. PUBLISHED MAY 8, 1923.

171,365. REFRACTORY LININGS, BRICKS, CEMENTS, ETC. THE VITREFRAX COMPANY, INC., Los Angeles, Calif.
Filed October 6, 1922. Serial No. 170,414. PUBLISHED MAY 8, 1923.

171,366. CHOCOLATE CANDY BAR. THEODORE GOTTMANN & SONS, doing business as "Gottmann's," Chicago, Ill.
Filed September 28, 1922. Serial No. 170,015. PUBLISHED MAY 8, 1923.

171,367. NETS, DRAPERIES, AND CURTAINS MADE OF COTTON. PATCHOGUE-PLYMOUTH MILLS CORPORATION, New York, N. Y.
Filed September 25, 1922. Serial No. 169,924. PUBLISHED MAY 8, 1923.

171,368. CANNED FRUITS AND VEGETABLES. H. M. NEWHALL & Co., San Francisco, Calif.
Filed September 21, 1922. Serial No. 169,771. PUBLISHED MAY 8, 1923.

171,369. FRESH DECIDUOUS FRUITS AND FRESH VEGETABLES. IDAHO EVAPORATING CO., Meridian, Idaho.
Filed September 21, 1922. Serial No. 169,761. PUBLISHED MAY 1, 1923.

171,370. CANDY. C. EDWIN GHEENS, Louisville, Ky.
Filed September 16, 1922. Serial No. 169,542. PUBLISHED MAY 8, 1923.

171,371. MOTOR OILS. THE VELVET OIL COMPANY, Toledo, Ohio.
Filed April 6, 1923. Serial No. 178,684. PUBLISHED MAY 22, 1923.

171,372. ELASTIC BANDAGES MADE WITHOUT RUBBER. REMBRANDT L. HAWKINS, Cincinnati, Ohio.
Filed December 30, 1921. Serial No. 157,315. PUBLISHED MAY 15, 1923.

171,373. MONUMENTS. BURTON PRESTON & CO., Mansfield, Ohio.
Filed December 21, 1921. Serial No. 157,002. PUBLISHED MAY 1, 1923.

171,374. MATCHES. MITSUI BUSSAN KAISHA, LTD., Tokyo, Japan.
Filed November 30, 1921. Serial No. 156,101. PUBLISHED MAY 8, 1923.

171,375. MATCHES. MITSUI BUSSAN KAISHA, LTD., Tokyo, Japan.
Filed November 30, 1921. Serial No. 156,100. PUBLISHED MAY 8, 1923.

171,376. MATCHES. MITSUI BUSSAN KAISHA, LTD., Tokyo, Japan.
Filed November 30, 1921. Serial No. 156,095. PUBLISHED MAY 15, 1923.

171,377. CANNED EVAPORATED MILK. CARL A. BAUMANN, doing business as Lake Mills Milk Company, Jefferson, Wis.
Filed November 21, 1921. Serial No. 155,663. PUBLISHED MAY 8, 1923.

171,378. CEDAR SHINGLES. THE WOODLAWN MILL & BOOM CO., Hoquiam, Wash.
Filed June 8, 1921. Serial No. 148,857. PUBLISHED OCTOBER 17, 1922.

171,379. APPLE VINEGAR AND CANNED PORK AND BEANS, SOUP, CHILE CON CARNE, AND MINCEMEAT. HOOD RIVER APPLE VINEGAR CO., also doing business as Mountain Maid Products Company, Hood River, Oreg.
Filed May 20, 1921. Serial No. 147,960. PUBLISHED MAY 8, 1923.

171,380. CERTAIN NAMED FOODS. JOHNSON-APPLEBY COMPANY, Boston, Mass.
Filed April 20, 1921. Serial No. 146,440. PUBLISHED MAY 8, 1923.

171,381. BOW SOCKETS FOR VEHICLE TOPS AND FITTINGS THEREFOR. THE ASHTABULA BOW SOCKET COMPANY, Ashtabula, Ohio.
Filed April 18, 1921. Serial No. 146,286. PUBLISHED JULY 11, 1922.

171,382. ART OBJECTS—NAMELY, SCULPTURE, MEDALLIONS DEPRESSED OR IN RELIEF, ART METAL WORK, AND REPRODUCTIONS THEREOF. DECORATIVE ARTS LEAGUE, New York, N. Y.
Filed March 17, 1921. Serial No. 144,853. PUBLISHED MAY 8, 1923.

171,383. RUBBER TIRES AND TUBES. THE NATIONAL TIRE & RUBBER COMANY, East Palestine, Ohio.
Filed January 26, 1921. Serial No. 142,802. PUBLISHED MAY 1, 1923.

171,384. RESINS, COAL, COKE, ARTIFICIAL FUEL, TANNING BARK, RUBBER, AND RUBBER SUBSTITUTES. TETRALIN-GESELLSCHAFT MIT BESCHRÄNKTER HAFTUNG, Berlin, Germany.
Filed January 10, 1921. Serial No. 142,047. PUBLISHED MAY 1, 1923.

171,385. CERTAIN NAMED RUBBER ARTICLES. TETRALIN GESELLSCHAFTT MIT BESCHRÄNKTER HAFTUNG, Berlin, Germany.
Filed January 10, 1921. Serial No. 142,044. PUBLISHED MAY 8, 1923.

171,386. CHOCOLATES WRAPPED IN COLORED METAL FOIL. JOSHUA GEORGE SMITH, St. Paul, Minn.
Filed December 16, 1920. Serial No. 141,193. PUBLISHED MAY 8, 1923.

171,387. LADIES' VANITY BAGS. OSCAR J. MILNOR, Rutherford, N. J.
Filed October 14, 1920. Serial No. 138,292. PUBLISHED MAY 15, 1923.

171,388. MOTOR CYCLES AND PERAMBULATORS, PILLORY-SEAT SUPPORTS, AND SADDLES FOR MOTOR CYCLES. F. H. HEADLEY, Edgbaston, Birmingham, England.
Filed March 18, 1920. Serial No. 129,890. PUBLISHED MAY 8, 1923.

171,389. SILK PIECE GOODS. EMPIRE SILK COMPANY, Wilmington, Del., and New York, N. Y.
Filed March 13, 1923. Serial No. 177,368. PUBLISHED MAY 1, 1923.

171,390. PRINTING PAPER, ENVELOPES, AND WRITING PAPER. JOHNSON-BREYDING-JOHNSON, St. Louis, Mo.
Filed March 12, 1923. Serial No. 177,302. PUBLISHED MAY 8, 1923.

171,391. LIQUID PAINT FOR APPLICATION TO TERRA COTTA, ETC. TOCH BROTHERS, INCORPORATED, New York, N. Y.
Filed March 10, 1923. Serial No. 177,251. PUBLISHED MAY 8, 1923.

171,392. SILK PIECE GOODS. H. R. MALLINSON & CO. INC., New York, N. Y.
Filed March 7, 1923. Serial No. 177,092. PUBLISHED MAY 1, 1923.

171,393. COTTON PIECE GOODS. DOPTOGLOU BROS. OF NEW YORK, New York, N. Y.
Filed March 6, 1923. Serial No. 177,037. PUBLISHED MAY 1, 1923.

171,394. CRETONNES IN THE PIECE, VALANCES, AND CURTAINS. MONTAGUE & CO., INC., New York, N. Y.
Filed March 5, 1923. Serial No. 177,015. PUBLISHED MAY 1, 1923.

171,395. PINE OIL. HERCULES POWDER COMPANY, Wilmington, Del.
Filed March 2, 1923. Serial No. 176,835. PUBLISHED MAY 8, 1923.

171,396. PINE OIL. HERCULES POWDER COMPANY, Wilmington, Del.
Filed March 2, 1923. Serial No. 176,833. PUBLISHED MAY 8, 1923.

171,397. PINE OIL. HERCULES POWDER COMPANY, Wilmington, Del.
Filed March 2, 1923. Serial No. 176,832. PUBLISHED MAY 8, 1923.

171,398. PINE OIL. HERCULES POWDER COMPANY, Wilmington, Del.
Filed March 2, 1923. Serial No. 176,831. PUBLISHED MAY 8, 1923.

171,399. PINE OIL. HERCULES POWDER COMPANY, Wilmington, Del.
Filed March 2, 1923. Serial No. 176,830. PUBLISHED MAY 8, 1923.

171,400. COTTON PIECE GOODS. CLAFLINS INCORPORATED, New York, N. Y.
Filed February 27, 1923. Serial No. 176,668. PUBLISHED MAY 1, 1923.

171,401. SALAD RELISH. HIRSCH BROS. & CO., INCORPORATED, Louisville, Ky.
Filed February 26, 1923. Serial No. 176,627. PUBLISHED MAY 22, 1923.

171,402. SILK AND WOOL CRÊPE IN THE PIECE. M. C. HOFFMAN & CO., New York, N. Y.
Filed February 24, 1923. Serial No. 176,546. PUBLISHED MAY 1, 1923.

171,403. COTTON PIECE GOODS. BRUNE, POTTBERG & CO., New York, N. Y.
Filed February 24, 1923. Serial No. 176,535. PUBLISHED MAY 8, 1923.

171,404. COTTON PIECE GOODS. AMERICAN BLEACHED GOODS COMPANY, INC., New York, N. Y.
Filed February 24, 1923. Serial No. 176,522. PUBLISHED MAY 1, 1923.

171,405. ALL-SILK FABRIC. A. S. ROSENTHAL CO., INC., New York, N. Y.
Filed February 23, 1923. Serial No. 176,502. PUBLISHED MAY 1, 1923.

171,406. SIRUP-IMPREGNATED FRUIT IN CANDY FORM. JOHANNA J. STOY, Los Angeles, Calif.
Filed December 20, 1920. Serial No. 141,333. PUBLISHED MARCH 27, 1923.

171,407. HAIR NETS. THE GRACENET CO., INC., New York, N. Y.
Filed February 21, 1923. Serial No. 176,404. PUBLISHED MAY 8, 1923.

171,408. BRONZE POWDER AND BRONZING LIQUID. UNITED STATES BRONZE POWDER WORKS, INC., New York, N. Y.
Filed February 19, 1923. Serial No. 176,313. PUBLISHED MAY 8, 1923.

171,409. PAPER DRINKING STRAWS. ALEXANDER HERZ, doing business as The Herz Straw Co., New York, N. Y.
Filed February 17, 1923. Serial No. 176,182. PUBLISHED MAY 1, 1923.

171,410. AUTOMOBILE HEADLIGHT COVER GLASSES. THE UNITED STATES LENS COMPANY, New York, N. Y.
Filed December 7, 1922. Serial No. 173,059. PUBLISHED MAY 8, 1923.

171,411. CANNED VEGETABLES, FRUITS, AND FISH; FRUIT AND VEGETABLE PRESERVES, SPICES, AND DRIED FRUITS. KARASIK, HOLLEB & CO., Chicago, Ill.
Filed December 4, 1922. Serial No. 172,881. PUBLISHED MAY 15, 1923.

171,412. CANNED SALMON. ARTHUR A. ANDERSON, doing business as Arthur Anderson Fish Co., Astoria, Oreg.
Filed December 2, 1922. Serial No. 172,822. PUBLISHED MAY 8, 1923.

171,413. PICKLES. AMERICAN PICKLE & CANNING COMPANY, Hattiesburg, Miss.
Filed December 1, 1922. Serial No. 172,717. PUBLISHED MAY 8, 1923.

171,414. RUBBER JAR RINGS. CUPPLES COMPANY MANUFACTURERS, St. Louis, Mo.
Filed November 27, 1922. Serial No. 172,584. PUBLISHED MAY 8, 1923.

171,415. COTTON PIECE GOODS. LOUIS SIEBERT & BRO., New York, N. Y.
Filed November 24, 1922. Serial No. 172,493. PUBLISHED MAY 15, 1823.

171,416. CONFECTION COMPRISING WAFERS WITH A NUT CANDY THEREBETWEEN. HELEN LEHOCZKY, Cleveland, Ohio.
Filed November 24, 1922. Serial No. 172,481. PUBLISHED MAY 8, 1923.

171,417. FOODS, AND NAMELY A COOKED POTATO RESEMBLING POTATO CHIPS. MEYER F. RUFFNER, doing business as R. & R. Manufacturing Company, Okmulgee, Okla.
Filed November 23, 1922. Serial No. 172,442. PUBLISHED MAY 8, 1923.

171,418. RUBBER TIRES. THE FISK RUBBER COMPANY, Chicopee Falls, Mass.
Filed November 23, 1922. Serial No. 172,416. PUBLISHED MAY 1, 1923.

171,419. TIRES FOR CYCLES, MOTOR CARS, AND OTHER VEHICLES. HUNGARIAN RUBBER GOODS FACTORY LIMITED, Budapest, Hungary.
Filed November 21, 1922. Serial No. 172,332. PUBLISHED MAY 1, 1923.

171,420. RUBBER TIRES. DOSCAT TIRE & RUBBER CORPORATION, Rochester, N. Y.
Filed November 20, 1922. Serial No. 172,260. PUBLISHED APRIL 3, 1923.

171,421. CHOCOLATE-COATED NUTS AND CANDY. OTTO P. CATSIGIANIS, doing business as Blue Hill Candy Company, St. Louis, Mo.
Filed November 20, 1922. Serial No. 172,257. PUBLISHED MAY 8, 1923.

171,422. COFFEE. FRANK DANNA, doing business as Capitol Coffee Company, Baton Rouge, La.
Filed November 17, 1922. Serial No. 172,146. PUBLISHED MAY 8, 1923.

171,423. MAPLE SIRUP. CLIFFORD W. TREAT, doing business as George W. Smith Co., Bennington, Vt.
Filed November 14, 1922. Serial No. 172,021. PUBLISHED MAY 8, 1923.

171,424. LUMBER OF ALL KINDS. GEO. M. SPIEGLE & CO., Philadelphia, Pa.
Filed November 14, 1922. Serial No. 172,018. PUBLISHED MAY 1, 1923.

171,425. AUTOMOBILES AND CONSTRUCTIVE PARTS THEREOF. LOCOMOBILE COMPANY OF AMERICA, INCORPORATED, New York, N. Y.
Filed November 14, 1922. Serial No. 172,002. PUBLISHED MAY 8, 1923.

171,426. LEATHER FLEXIBLE DOOR MAT. SAMUEL J. KANE, doing business as Protect-O-Floor Leather Mat Co., San Francisco, Calif.
Filed November 13, 1922. Serial No. 171,926. PUBLISHED MAY 8, 1923.

171,427. FRESH CITROUS FRUITS. CITRUS SALES CORPORATION, Tampa, Fla.
Filed November 13, 1922. Serial No. 171,903. PUBLISHED MAY 15, 1923.

171,428. PISTON RINGS, BELTING, HOSE, MACHINERY PACKING, AND NONMETALLIC TIRES. VELVET PISTON RING CO., Detroit, Mich.
Filed November 10, 1922. Serial No. 171,824. PUBLISHED MAY 8, 1923.

171,429. DRESSED POULTRY AND LARD. THE EVANSVILLE PACKING COMPANY, Evansville, Ind.
Filed November 3, 1922. Serial No. 171,531. PUBLISHED MAY 1, 1923.

171,430. DRY PAINT COMPOSITION. A. L. RICE, INC., Adams, N. Y.
Filed June 14, 1922. Serial No. 165,507. PUBLISHED MAY 15, 1923.

171,431. CLEANING AND POLISHING OIL FOR VARNISHED, PAINTED, AND LACQUERED SURFACES. HARRY M. RUGGLES, doing business as Dryol Polish Mfg. Co., Philadelphia, Pa.
Filed June 7, 1922. Serial No. 165,159. PUBLISHED MAY 8, 1923.

171,432. FRESH AND DRIED FRUITS AND VEGETABLES, AND MELONS. THE J. L. TAYLOR CO., Los Angeles, Calif.
Filed June 3, 1922. Serial No. 164,977. PUBLISHED MAY 8, 1923.

171,433. COTTON PIECE GOODS AND HANDKERCHIEFS. HUESSY & CO., LTD., Safenwil, Switzerland.
Filed May 17, 1922. Serial No. 163,982. PUBLISHED MAY 8, 1923.

171,434. COFFEES, CANDIES, CHOCOLATES, AND CHOCOLATE-COVERED CONFECTIONS HAVING FANCY CENTERS WITH OR WITHOUT PEANUTS. ROBERT J. GEORGE, doing business as Imperial Peanut & Coffee Company, Wilkes-Barre, Pa.
Filed May 13, 1922. Serial No. 163,796. PUBLISHED MAY 8, 1923.

171,435. ROASTED AND SALTED PEANUTS. ROBERT J. GEORGE, doing business as Imperial Peanut & Coffee Company, Wilkes-Barre, Pa.
Filed May 13, 1922. Serial No. 163,795. PUBLISHED MAY 8, 1923.

171,436. FRESH LEMONS. SANTA PAULA CITRUS FRUIT ASSOCIATION, Santa Paula, Calif.
Filed May 11, 1922. Serial No. 163,703. PUBLISHED MAY 8, 1923.

171,437. ORTHODONTIC APPLIANCES AND MATERIALS EMPLOYED IN THE ART OF ORTHODONTIA. THE S. S. WHITE DENTAL MANUFACTURING COMPANY, Philadelphia, Pa.
Filed April 12, 1922. Serial No. 162,226. PUBLISHED MAY 15, 1923.

171,438. WOOL. THE NEW ZEALAND REFRIGERATING COMPANY LIMITED, Christchurch, New Zealand.
Filed March 28, 1922. Serial No. 161,378. PUBLISHED MAY 1, 1923.

171,439. WOOL. THE NEW ZEALAND REFRIGERATING COMPANY LIMITED, Christchurch, New Zealand.
Filed March 28, 1922. Serial No. 161,373. PUBLISHED MAY 1, 1923.

171,440. BURNER DRUMS. THE CLEVELAND METAL PRODUCTS COMPANY, Cleveland, Ohio.
Filed March 27, 1922. Serial No. 161,302. PUBLISHED APRIL 24, 1923.

171,441. EDIBLE PREPARATION IN POWDERED FORM. WHIP-LITE PRODUCTS CO., New York, N. Y.
Filed March 17, 1922. Serial No. 160,840. PUBLISHED MAY 8, 1923.

171,442. FLOOR CLIPS FOR FASTENING WOODEN FLOORS OR THE LIKE TO A CONCRETE CONSTRUCTION. BULL DOG FLOOR CLIP COMPANY, Winterset, Iowa.
Filed March 10, 1922. Serial No. 160,480. PUBLISHED APRIL 24, 1923.

171,443. WHEAT FLOUR. WASHBURN-CROSBY COMPANY, Minneapolis, Minn.
Filed February 18, 1922. Serial No. 159,545. PUBLISHED MARCH 27, 1923.

171,444. BUILDING MATERIALS COMPOSED OF A COMPOUND OF FIBER AND CEMENT. ST. ANONYME DU FIBROCIMENT ET DES REVETEMENTS ELO, Poissy, France.
Filed February 18, 1922. Serial No. 159,539. PUBLISHED MAY 1, 1923.

171,445. GINGHAM CLOTH IN THE PIECE. PLANTERS AND MERCHANTS MILLS, New Braunfels and San Antonio, Tex.
Filed February 16, 1922. Serial No. 159,429. PUBLISHED AUGUST 29, 1922.

171,446. FLAVORS FOR FOOD, PRESERVES AND CANNED CRUSHED FRUITS, MARSHMALLOW TOPPING, CHOCOLATE COATINGS, AND COCOA. UNITED CONFECTIONERS SUPPLY CO., New York, N. Y.
Filed February 4, 1922. Serial No. 158,906. PUBLISHED MAY 8, 1923.

171,447. CORDAGE. E. T. RUGG & Co., Newark, Ohio.
Filed February 3, 1922. Serial No. 158,835. PUBLISHED MAY 15, 1923.

171,448. SHEETINGS AND SHIRTINGS. PACIFIC MILLS, Lawrence and Boston, Mass.
Filed February 1, 1922. Serial No. 158,725. PUBLISHED MAY 8, 1923.

171,449. KEY CASES. FRANK G. BOWEN, doing business as Bowen Mfg. Co., Kansas City, Mo.
Filed January 9, 1922. Serial No. 157,651. PUBLISHED MAY 8, 1923.

171,450. RUBBER TIRE TREADS. GILLES VALIQUETTE, Montreal, Quebec, Canada.
Filed September 11, 1922. Serial No. 169,330. PUBLISHED MAY 1, 1923.

171,451. FOOD PRODUCTS—VIZ, CANNED CHERRIES. HUTCHISON THRIFT CORPORATION, New York, N. Y.
Filed September 5, 1922. Serial No. 169,059. PUBLISHED MAY 8, 1923.

171,452. PERCALES IN THE PIECE. CARTER DRY GOODS CO., Louisville, Ky.
Filed September 2, 1922. Serial No. 169,002. PUBLISHED MAY 15, 1923.

171,453. FOOD-FLAVORING EXTRACTS—NAMELY, VANILLA EXTRACT, APRICOT EXTRACT, COFFEE EXTRACT; CRUSHED FRUITS AND CANNED FRUITS. S. E. SHAFFNER CO., Portland, Oreg.
Filed August 28, 1922. Serial No. 168,807. PUBLISHED MAY 15, 1923.

171,454. FIELD, GARDEN, AND FARM SEEDS. AGELER & MUSSER SEED CO., Los Angeles, Calif.
Filed August 28, 1922. Serial No. 168,743. PUBLISHED MAY 1, 1923.

171,455. FRESH BOXED ITALIAN PRUNES. WALLA WALLA VALLEY PRUNE GROWERS CO-OPERATIVE ASSOCIATION, Freewater, Oreg.
Filed August 25, 1922. Serial No. 168,697. PUBLISHED MAY 8, 1923.

171,456. PAINTS READY MIXED AND IN PASTE AND DRY FORM. E. M. AND F. WALDO, New York, N. Y.
Filed August 19, 1922. Serial No. 168,503. PUBLISHED MAY 8, 1923.

171,457. CANDY. BUNTE BROTHERS, Chicago, Ill.
Filed August 19, 1922. Serial No. 168,446. PUBLISHED MAY 8, 1923.

171,458. FRESH DECIDUOUS FRUITS AND FRESH VEGETABLES. WILLIAM RUFUS PARVIN, doing business as W. R. Parvin Co., Ogden, Utah.
Filed August 17, 1922. Serial No. 168,372. PUBLISHED MAY 8, 1923.

171,459. FRESH GRAPES. W. C. MCLELLAN, Lodi, Calif.
Filed August 17, 1922. Serial No. 168,371. PUBLISHED MAY 8, 1923.

171,460. HOSIERY. THE POWELL KNITTING COMPANY, Philadelphia, Pa.
Filed August 14, 1922. Serial No. 168,237. PUBLISHED MAY 8, 1923.

171,461. CORDAGE. WM. E. HOOPER & SONS CO., Woodberry, Baltimore, Md.
Filed August 12, 1922. Serial No. 168,151. PUBLISHED MAY 8, 1923.

171,462. AUTOMOBILE ACCESSORY KNOWN AS AN AUXILIARY GASOLINE TANK. SUB-DUZ PRODUCTS COMPANY, Kansas City, Mo.
Filed August 8, 1922. Serial No. 167,957. PUBLISHED MAY 8, 1923.

171,463. PEANUT BUTTER. GLENN TOWNSEND, doing business as Nut Lunch Company, Portland, Oreg.
Filed August 5, 1922. Serial No. 167,855. PUBLISHED MAY 8, 1923.

171,464. GARDEN AND FLOWER SEEDS. THE L. D. WALLER SEED CO., Guadalupe, Calif.
Filed July 28, 1922. Serial No. 167,542. PUBLISHED MAY 1, 1923.

171,465. WILTON AND PLUSH CARPETS. M. J. WHITTALL ASSOCIATES, Worcester, Mass.
Filed July 18, 1922. Serial No. 167,064. PUBLISHED MAY 15, 1923.

171,466. ICE CREAM. C. C. MADSON, Lanesboro, Minn.
Filed July 1, 1922. Serial No. 166,396. PUBLISHED MAY 15, 1923.

171,467. HOSIERY. THE POWELL KNITTING COMPANY, Philadelphia, Pa.
Filed June 29, 1922. Serial No. 166,248. PUBLISHED MAY 8, 1923.

171,468. PNEUMATIC VEHICLE TIRES. EMPIRE TIRE & RUBBER CORPORATION, Trenton, N. J.
Filed June 29, 1922. Serial No. 166,223. PUBLISHED APRIL 17, 1923.

171,469. CORSETS. JACOB L. ALBERTS, New York, N. Y.
Filed June 15, 1922. Serial No. 165,517. PUBLISHED MAY 8, 1923.

171,470. TOOTHBRUSHES. CARL GRÜNEBERG, BÜRSTEN-FABRICK BRATISLAVA, Bratislava, Czechoslovakia.
Filed April 6, 1923. Serial No. 178,664. PUBLISHED MAY 22, 1923.

171,471. SHEATHING PAPER, WATERPROOF BUILDING PAPER, ROOFING PAPER, TAR FELT, AND ASPHALT SHINGLES. HIGHLAND LAKE PAPER COMPANY, Walpole, Mass.
Filed April 5, 1923. Serial No. 178,610. PUBLISHED MAY 22, 1923.

171,472. SILK PIECE GOODS. H. R. MALLINSON & CO. INC., New York, N. Y.
Filed April 3, 1923. Serial No. 178,524. PUBLISHED MAY 15, 1923.

171,473. SOFT DRINK. C. EDWARD MAY, doing business as Crown Bottling Works, Baltimore, Md.
Filed March 30, 1923. Serial No. 178,349. PUBLISHED MAY 22, 1923.

171,474. MOPS. HENSON-BLAIR MANUFACTURING COMPANY, Philadelphia, Pa.
Filed March 30, 1923. Serial No. 178,341. PUBLISHED MAY 22, 1923.

171,475. COTTON CRÊPE FABRICS IN THE PIECE. WAUMBEK MANUFACTURING COMPANY, New York, N. Y.
Filed March 29, 1923. Serial No. 178,317. PUBLISHED MAY 15, 1923.

171,476. SOFT DRINKS. LADWIG-SCHLUETER CO., Milwaukee, Wis.
Filed March 29, 1923. Serial No. 178,259. PUBLISHED MAY 22, 1923.

171,477. SILK PIECE GOODS. H. R. MALLINSON & CO. INC., New York, N. Y.
Filed March 27, 1923. Serial No. 178,110. PUBLISHED MAY 15, 1923.

171,478. GAS RANGES AND HEATERS. THE SUNRAY STOVE COMPANY, Delaware, Ohio.
Filed March 26, 1923. Serial No. 178,071. PUBLISHED MAY 22, 1923.

171,479. WOOL YARNS. DANIEL J. HEALY, doing business as D. J. Healy Shops, Detroit, Mich.
Filed March 26, 1923. Serial No. 178,038. PUBLISHED MAY 15, 1923.

171,480. DUSTERS. JORDAN MARSH COMPANY, Boston, Mass.
Filed March 24, 1923. Serial No. 177,977. PUBLISHED MAY 22, 1923.

171,481. COTTON PIECE GOODS. VOSS & STERN, New York, N. Y.
Filed March 23, 1923. Serial No. 177,939. PUBLISHED MAY 15, 1923.

171,482. PURE LINEN IN THE PIECE AND LINEN TABLE COVERS AND NAPKINS. T. BUETTNER & CO., Chicago, Ill.
Filed March 23, 1923. Serial No. 177,805. PUBLISHED MAY 15, 1923.

171,483. CAKES, COOKIES, AND FRIED CAKES. GRENNAN CAKE CORPORATION, Chicago, Ill.
Filed September 21, 1921. Serial No. 153,179. PUBLISHED MAY 22, 1923.

171,484. MOTOR BUSSES. INTERNATIONAL MOTOR COMPANY, New York, N. Y.
Filed August 31, 1921. Serial No. 152,425. PUBLISHED MAY 22, 1923.

171,485. BLOOMERS. WALTER A. GOLDSMITH, Cleveland, Ohio.
Filed August 20, 1921. Serial No. 151,987. PUBLISHED MAY 1, 1923.

171,486. EXPLOSIVES. GENERAL EXPLOSIVES COMPANY, Chicago, Ill.
Filed May 28, 1921. Serial No. 148,383. PUBLISHED MAY 15, 1923.

171,487. OIL AND GAS LAMPS AND LANTERNS, ETC. PERKINS MARINE LAMP CORPORATION, New York and Brooklyn, N. Y.
Filed November 8, 1920. Serial No. 139,369. PUBLISHED MAY 22, 1923.

171,488. ELECTRICALLY-PROPELLED ROAD VEHICLES, NOT INCLUDING TRUCKS AND TRACTORS. RAUCH & LANG, INC., Chicopee Falls, Mass.
Filed September 1, 1920. Serial No. 136,726. PUBLISHED MAY 22, 1923.

171,489. OLIVE OIL. BUENAVENTURA BALCELLS VALLBONA, doing business as Balcells, Barcelona, Spain.
Filed July 26, 1920. Serial No. 135,438. PUBLISHED MAY 22, 1923.

171,490. INNER ARMOR OR RELINER MADE WITH PLIES OF FABRIC HELD TOGETHER WITH RUBBER FOR AUTOMOBILE TIRES. THE AMERICAN AUTOMOBILE ACCESSORIES COMPANY, Cincinnati, Ohio.
Filed July 5, 1919. Serial No. 120,271. PUBLISHED MAY 22, 1923.

171,491. BICYCLES. BACHARACH-RASIN CO., Baltimore, Md.
Filed January 24, 1919. Serial No. 115,398. PUBLISHED MAY 22, 1923.

171,492. HIGH-PRESSURE BOILERS AND PARTS THEREOF. AKTIEBOLAGET ATMOS, Stockholm, Sweden.
Filed November 17, 1922. Serial No. 172,140. PUBLISHED MAY 22, 1923.

171,493. CHINAWARE. CZECHOSLOVAK ART SHOP INC., Newark, N. J., and New York, N. Y.
Filed November 15, 1922. Serial No. 172,032. PUBLISHED MAY 15, 1923.

171,494. MOTOR-DRIVEN PASSENGER VEHICLES—NAMELY, AUTOMOBILE TAXICABS. YELLOW CAB MANUFACTURING CO., Chicago, Ill.
Filed November 13, 1922. Serial No. 171,976. PUBLISHED MAY 22, 1923.

171,495. GRAPHITE. SUPERIOR FLAKE GRAPHITE COMPANY, Chicago, Ill.
Filed November 13, 1922. Serial No. 171,968. PUBLISHED MAY 22, 1923.

171,496. MOTOR TRUCKS. MENOMINEE MOTOR TRUCK CO., Clintonville, Wis.
Filed November 6, 1922. Serial No. 171,647. PUBLISHED MAY 22, 1923.

171,497. LUMINOUS PENDANTS. THE HART & HEGEMAN MFG. CO., Hartford, Conn.
Filed October 31, 1922. Serial No. 171,419. PUBLISHED MAY 22, 1923.

171,498. SALTED AND PICKLED HERRINGS. GEORGE DAVIDSON, Wick, Scotland.
Filed October 26, 1922. Serial No. 171,204. PUBLISHED MAY 22, 1923.

171,499. CLOTHS AND STUFFS OF WOOL, WORSTED, OR HAIR. THE LEWIS & HARRIS HAND-WOVEN TWEED COMPANY LIMITED, Stornaway, Lewis Island, Scotland.
Filed October 24, 1922. Serial No. 171,131. PUBLISHED MAY 22, 1923.

171,500. CHINA. PORZELLANFABRIK PH. ROSENTHAL & CO., A. G., Berlin, Germany.
Filed October 23, 1922. Serial No. 171,103. PUBLISHED MAY 22, 1923.

171,501. CHINA. PORZELLANFABRIK PH. ROSENTHAL & CO., A. G., Berlin, Germany.
Filed October 23, 1922. Serial No. 171,102. PUBLISHED MAY 15, 1923.

171,502. LEATHER INTENDED FOR USE IN BOOTS AND SHOES. CHARLES K. FOX, INC., Haverhill, Mass.
Filed October 11, 1922. Serial No. 170,575. PUBLISHED MAY 22, 1923.

171,503. CANDY AND SUGARED ASSORTED NUTS. JOHN W. SURBRUG, doing business as Surbrug Chocolate Corporation, New York, N. Y.
Filed September 26, 1922. Serial No. 169,962. PUBLISHED MAY 22, 1923.

171,504. METAL PARTS FOR CUSHIONED CONNECTIONS IN VEHICLES. INTERNATIONAL MOTOR COMPANY, New York, N. Y.
Filed September 8, 1922. Serial No. 169,213. PUBLISHED MAY 22, 1923.

171,505. MADRAS IN THE PIECE. CARTER DRY GOODS CO., Louisville, Ky.
Filed September 2, 1922. Serial No. 169,004. PUBLISHED MAY 15, 1923.

171,506. COIN-CONTROLLED VENDING MACHINES. O. D. JENNINGS AND COMPANY, Chicago, Ill.
Filed August 26, 1922. Serial No. 168,719. PUBLISHED APRIL 3, 1923.

171,507. CUSHIONED CONNECTIONS FOR USE IN VEHICLES. INTERNATIONAL MOTOR COMPANY, New York, N. Y.
Filed August 18, 1922. Serial No. 168,416. PUBLISHED MAY 22, 1923.

171,508. LUBRICATING OILS AND GREASES. GEORGE W. FENIMORE, doing business as Fenimore Oil Co., Norristown, Pa.
Filed June 23, 1922. Serial No. 165,976. PUBLISHED MAY 22, 1923.

171,509. ROUND LEATHER BELTING AND FLAT LEATHER BELTING. CHARLES BOND COMPANY, Philadelphia, Pa.
Filed June 19, 1922. Serial No. 165,661. PUBLISHED MAY 22, 1923.

171,510. BRUSHES. GEO. R. GIBSON CO., New York, N. Y.
Filed May 17, 1922. Serial No. 163,979. PUBLISHED MAY 22, 1923.

171,511. CANDY. NITA G. KNIGHT, Boundbrook, N. J.
Filed April 24, 1922. Serial No. 162,824. PUBLISHED MAY 22, 1923.

171,512. BUILDING MATERIALS COMPOSED OF A COMPOUND OF FIBER AND CEMENT. STE. ANME. DU FIBROCIMENT ET DES REVETEMENTS ELO, Poissy, France.
Filed February 18, 1922. Serial No. 159,540. PUBLISHED MAY 22, 1923.

171,513. AWNINGS, AWNING FRAMES, AWNING COVERS, AND PARTS THEREOF. FRANK R. ASHLEY, Denver, Colo.
Filed December 8, 1922. Serial No. 173,068. PUBLISHED MAY 8, 1923.

171,514. CHEWING GUM. APPLE GUM COMPANY, INC., New York, N. Y.
Filed December 11, 1922. Serial No. 173,161. PUBLISHED MAY 8, 1923.

171,515. SURGICAL RUBBER GOODS AND DRUGGISTS' SUNDRIES. LAMKE & STEMME, INC., New York, N. Y.
Filed December 12, 1922. Serial No. 173,237. PUBLISHED MAY 8, 1923.

171,516. OUTER TIRES OR COVERINGS FOR PNEUMATIC-TIRE CASINGS. A. J. STEPHENS RUBBER CO., Kansas City, Mo.
Filed December 13, 1922. Serial No. 173,306. PUBLISHED APRIL 17, 1923.

171,517. PAPER TREATED, CUT TO SIZE, AND READY FOR USE IN MAKING CIGARETTES. ROBERT FLETCHER & SON LIMITED, Stoneclough, Manchester, England.
Filed December 16, 1922. Serial No. 173,412. PUBLISHED MAY 1, 1923.

171,518. PAPER TREATED, CUT TO SIZE, AND READY FOR USE IN MAKING CIGARETTES. ROBERT FLETCHER & SON LIMITED, Stoneclough, Manchester, England.
Filed December 16, 1922. Serial No. 173,414. PUBLISHED MAY 8, 1923.

171,519. PAPER TREATED, CUT TO SIZE, AND READY FOR USE IN MAKING CIGARETTES. ROBERT FLETCHER & SON LIMITED, Stoneclough, Manchester, England.
Filed December 16, 1922. Serial No. 173,415. PUBLISHED MAY 8, 1923.

171,520. POCKETBOOKS, BILL FOLDS, CARDCASES, PASS CASES, WALLETS, KEY CASES, AND COIN PURSES. U. S. LEATHER GOODS COMPANY, Chicago, Ill.
Filed December 16, 1922. Serial No. 173,455. PUBLISHED MAY 8, 1923.

171,521. FRESH APPLES. ACME ORCHARD CO., INC., White Salmon, Wash.
Filed February 17, 1923. Serial No. 176,149. PUBLISHED MAY 15, 1923.

171,522. HANDKERCHIEFS AND HAIR NETS. WESTERN BOTTLE MANUFACTURING COMPANY, doing business as The Western Company, Chicago, Ill.
Filed February 16, 1923. Serial No. 176,136. PUBLISHED MAY 8, 1923.

171,523. MECHANICAL DEVICES FOR STRAIGHTENING CROOKED TOES. MAX SAHLIN, Denver, Colo.
Filed February 16, 1923. Serial No. 176,134. PUBLISHED MAY 8, 1923.

171,524. ARCH SUPPORTERS FOR THE HUMAN FOOT. HENRY G. BENTLEY, doing business as H. G. Bentley, Dallas, Tex.
Filed February 16, 1923. Serial No. 176,108. PUBLISHED MAY 8, 1923.

171,525. WOVEN COTTON FABRICS IN THE PIECE. GEORGE A. STAFFORD, doing business as G. A. Stafford & Co., New York, N. Y.
Filed February 15, 1923. Serial No. 176,103. PUBLISHED MAY 8, 1923.

171,526. ICELESS AND FIRELESS RECEPTACLES FOR RETAINING HEAT AND COLD. PEARL H. BRAINARD, doing business as Macomb Manufacturing Company, Macomb, Ill.
Filed February 15, 1923. Serial No. 176,061. PUBLISHED MAY 8, 1923.

171,527. WAGON PAINT, FIBER-ROOF PAINT, VARNISH, PAINT ENAMEL, PORCH-FLOOR PAINT, FLAT WALL FINISH, PENETRATING STAIN, AND READY-MIXED PAINTS. REGULATION PAINT CO., Louisville, Ky.
Filed February 14, 1923. Serial No. 176,044. PUBLISHED MAY 8, 1923.

171,528. AN APPARATUS FOR PLAYING A GAME OF CHANCE. JOHN GREIG, London, England.
Filed February 14, 1923. Serial No. 176,022. PUBLISHED MAY 8, 1923.

171,529. CORN SUGAR. THE BATTLE CREEK FOOD COMPANY, Battle Creek, Mich.
Filed February 8, 1923. Serial No. 175,702. PUBLISHED MAY 15, 1923.

171,530. AUTOMOBILES. STEPHENS MOTOR CAR COMPANY, INCORPORATED, Moline, Ill.
Filed February 5, 1923. Serial No. 175,572. PUBLISHED MAY 1, 1923.

171,531. AUTOMOBILES. STEPHENS MOTOR CAR COMPANY, INCORPORATED, Moline, Ill.
Filed February 5, 1923. Serial No. 175,571. PUBLISHED MAY 8, 1923.

171,532. KNITTED SILK FABRICS — VIZ, SILK KNITTED CLOTH IN THE PIECE. THE BANNER SILK KNITTING MILLS, INC., New York, N. Y.
Filed February 1, 1923. Serial No. 175,377. PUBLISHED MAY 1, 1923.

171,533. UNMEDICATED GAUZE. GRISWOLDVILLE M'F'G CO., New York, N. Y.
Filed January 30, 1923. Serial No. 175,310. PUBLISHED MAY 8, 1923.

171,534. CARD GAMES. PARKER BROTHERS, Salem, Mass.
Filed January 27, 1923. Serial No. 175,210. PUBLISHED MAY 8, 1923.

171,535. LIME. BREWER & COMPANY, INC., Worcester, Mass.
Filed January 26, 1923. Serial No. 175,129. PUBLISHED MAY 8, 1923.

171,536. CANNED FRUITS, CANNED VEGETABLES, DRIED FRUITS, CONDENSED MILK, CHOP-SUEY SAUCE, AND CANNED FISH. NORTH AMERICAN MERCANTILE CO. INC., San Francisco, Calif.
Filed January 22, 1923. Serial No. 174,910. PUBLISHED MAY 8, 1923.

171,537. LEATHER BELTING. CHICAGO BELTING COMPANY, Chicago, Ill.
Filed January 22, 1923. Serial No. 174,889. PUBLISHED MAY 8, 1923.

171,538. ROOF-EDGING DEVICE IN THE NATURE OF A METAL CORNICE. FRANCIS W. HENNESSY, East Providence, R. I.
Filed January 20, 1923. Serial No. 174,834. PUBLISHED MAY 1, 1923.

171,539. CHOCOLATE COATING. IDEAL COCOA & CHOCOLATE CO., Lititz, Pa., and New York, N. Y.
Filed January 19, 1923. Serial No. 174,780. PUBLISHED MAY 8, 1923.

171,540. CHOCOLATE COATING. IDEAL COCOA & CHOCOLATE CO., Lititz, Pa., and New York, N. Y.
Filed January 18, 1923. Serial No. 174,740. PUBLISHED MAY 8, 1923.

171,541. LUBRICANTS COMPRISING OILS AND GREASES. KEYSTONE LUBRICATING COMPANY, Philadelphia, Pa.
Filed April 3, 1923. Serial No. 178,521. PUBLISHED MAY 15, 1923.

171,542. LUBRICANTS COMPRISING OILS AND GREASES. KEYSTONE LUBRICATING COMPANY, Philadelphia, Pa.
Filed April 3, 1923. Serial No. 178,520. PUBLISHED MAY 15, 1923.

171,543. LUBRICANTS COMPRISING OILS AND GREASES. KEYSTONE LUBRICATING COMPANY, Philadelphia, Pa.
Filed April 3, 1923. Serial No. 178,518. PUBLISHED MAY 15, 1923.

171,544. LUBRICANTS COMPRISING OILS AND GREASES. KEYSTONE LUBRICATING COMPANY, Philadelphia, Pa.
Filed April 3, 1923. Serial No. 178,517. PUBLISHED MAY 15, 1923.

171,545. LUBRICANTS COMPRISING OILS AND GREASES. KEYSTONE LUBRICATING COMPANY, Philadelphia, Pa.
Filed April 3, 1923. Serial No. 178,508. PUBLISHED MAY 15, 1923.

171,546. TOBACCO PIPES. DELACOUR BROTHERS, LTD., London, England.
Filed March 31, 1923. Serial No. 178,378. PUBLISHED MAY 15, 1923.

171,547. TOBACCO PIPES. DELACOUR BROTHERS, LTD., London, England.
Filed March 31, 1923. Serial No. 178,377. PUBLISHED MAY 15, 1923.

171,548. FERTILIZERS AND LIME FOR FERTILIZERS. LANCASTER BONE FERTILIZER CO. INC., Lancaster, Pa.
Filed March 29, 1923. Serial No. 178,260. PUBLISHED MAY 15, 1923.

171,549. MILK-SHIPPING CANS AND CANS FOR PACKING AND SHIPPING ICE CREAM. DES LAURIERS METAL PRODUCTS CO. INC., St. Paul, Minn.
Filed March 29, 1923. Serial No. 178,233. PUBLISHED MAY 15, 1923.

171,550. ARTIFICIAL EYES. CONRAD E. BIEL, doing business as Denver Optic Company, Denver, Colo.
Filed March 29, 1923. Serial No. 178,211. PUBLISHED MAY 15, 1923.

171,551. PYROXYLIN LACQUER. FLOOD & CONKLIN COMPANY, Newark, N. J.
Filed March 28, 1923. Serial No. 178,173. PUBLISHED MAY 8, 1923.

171,552. YARNS FOR KNITTING, CROCHETING, AND ART NEEDLEWORK. BERNHARD ULMANN CO. INC., New York, N. Y.
Filed March 27, 1923. Serial No. 178,149. PUBLISHED MAY 8, 1923.

171,553. PETROLEUM AND PRODUCTS OF PETROLEUM WITH OR WITHOUT ADMIXTURES OF OTHER MATERIALS FOR ILLUMINATING AND HEATING, GREASING, SOLVENT, WATERPROOFING, RUST-PREVENTING, SURFACE-PRESERVING, AND TEMPERING. STANDARD OIL COMPANY OF NEW YORK, New York, N. Y.
Filed March 27, 1923. Serial No. 178,147. PUBLISHED MAY 8, 1923.

171,554. POLISH FOR AUTOMOBILES, FURNITURE, AND ANY ARTICLES HAVING A VARNISH FINISH. SUN-BIL AUTO POLISH CO., Somerville, Mass.
Filed March 23, 1923. Serial No. 177,926. PUBLISHED MAY 8, 1923.

171,555. WRAPPING PAPER, PARTICULARLY BREAD WRAPPERS. PACKAGE PAPER & SUPPLY CORPORATION, Springfield, Mass.
Filed March 23, 1923. Serial No. 177,923. PUBLISHED MAY 8, 1923.

171,556. PETROLEUM AND PRODUCTS OF PETROLEUM WITH OR WITHOUT ADMIXTURES OF OTHER MATERIALS FOR ILLUMINATING AND HEATING, LUBRICATING, GREASING, SOLVENT, WATERPROOFING, RUST-PREVENTING, SURFACE-PRESERVING, AND TEMPERING. STANDARD OIL COMPANY OF NEW YORK, New York, N. Y.
Filed March 22, 1923. Serial No. 177,881. PUBLISHED MAY 8, 1923.

171,557. PETROLEUM AND PRODUCTS OF PETROLEUM. STANDARD OIL COMPANY OF NEW YORK, New York, N. Y.
Filed March 22, 1923. Serial No. 177,879. PUBLISHED MAY 8, 1923.

171,558. COTTON THREAD. SOCIETE EN COMMANDITE MAURICE FRINGS & CIE., Paris, France.
Filed March 16, 1923. Serial No. 177,573. PUBLISHED MAY 8, 1923.

171,559. TOBACCO PIPES. DELACOUR BROS. LTD., London, England.
Filed March 14, 1923. Serial No. 177,429. PUBLISHED MAY 15, 1923.

171,560. HAIR NETS. JULIUS GARFINKLE, doing business as Julius Garfinkle & Co., Washington, D. C.
Filed March 13, 1923. Serial No. 177,373. PUBLISHED MAY 1, 1923.

171,561. HEAT-TREATING CONTAINERS, KILN FURNACES, AND OIL-CRACKING STILL PARTS. CHROBALTIC TOOL COMPANY, Chicago, Ill.
Filed January 13, 1923. Serial No. 174,553. PUBLISHED MAY 22, 1923.

171,562. CLOTHES RACKS AND HANGERS. ECONOMY SYSTEM CO., INC., New York, N. Y.
Filed January 12, 1923. Serial No. 174,513. PUBLISHED MAY 22, 1923.

171,563. FRUIT-JAR RINGS. ANCHOR CAP & CLOSURE CORPORATION, Long Island City, N. Y.
Filed January 9, 1923. Serial No. 174,353. PUBLISHED MAY 22, 1923.

171,564. LOGS. CADWALLADER GIBSON LUMBER CO., Manila, Philippine Islands; San Francisco, Calif.; and New York, N. Y.
Filed January 8, 1923. Serial No. 174,300. PUBLISHED MAY 22, 1923.

171,565. LOGS. CADWALLADER GIBSON LUMBER CO., Manila, Philippine Islands; San Francisco, Calif.; and New York, N. Y.
Filed January 8, 1923. Serial No. 174,299. PUBLISHED MAY 22, 1923.

171,566. HARDWOOD FLOORING, BOTH TONGUE AND GROOVED, AND PARQUETRY STRIPS AND SQUARES AND HARDWOOD MOLDINGS AND FINISH. L. D. LEACH & COMPANY, Chicago, Ill.
Filed December 30, 1922. Serial No. 174,017. PUBLISHED MARCH 27, 1923.

171,567. MACHINES FOR CUTTING SHEET METAL, SOMETIMES KNOWN AS NIBBLING MACHINES. ANDREW C. CAMPBELL, INCORPORATED, Waterbury, Conn.
Filed December 28, 1922. Serial No. 173,912. PUBLISHED MAY 1, 1923.

171,568. TOASTED ALMONDS. JAMES S. EUSTIS, Woodland, Calif.
Filed December 27, 1922. Serial No. 173,885. PUBLISHED MAY 22, 1923.

171,569. TAPPETS AND POPPET VALVES FOR EXPLOSION ENGINES. WILCOX MOTOR PARTS & MANUFACTURING COMPANY, Saginaw, Mich.
Filed December 18, 1922. Serial No. 173,546. PUBLISHED MAY 1, 1923.

171,570. SHOES MADE WHOLLY OR IN PART OF LEATHER. PORTAGE SHOE MFG. COMPANY, Portage, Wis.
Filed December 18, 1922. Serial No. 173,530. PUBLISHED MAY 1, 1923.

171,571. SHOES MADE WHOLLY OR IN PART OF LEATHER. J. P. HARTRAY SHOE CO., Chicago, Ill.
Filed December 18, 1922. Serial No. 173,491. PUBLISHED MAY 1, 1923.

171,572. CANNED OYSTERS AND CANNED SHRIMP. BILOXI PACKING & TRADING CO., Biloxi, Miss.
Filed December 16, 1922. Serial No. 173,397. PUBLISHED MAY 22, 1923.

171,573. FIELD SEEDS COMPRISING CLOVER, GRASSES, VETCH, MILLET, TIMOTHY, LESPADEZA, RAPE, FESQUE, ALSO VEGETABLE SEED AND FLOWER SEED. THE J. BOLGIANO SEED CO., Baltimore, Md.
Filed December 4, 1922. Serial No. 172,859. PUBLISHED MAY 22, 1923.

171,574. ROOFING COMPOUNDS KNOWN AS ROOF PRESERVES AND COMPOSITION ROOFING MATERIAL. INTERSTATE PAINT & SUPPLIES CO., INC., Buffalo, N. Y.
Filed December 2, 1922. Serial No. 172,838. PUBLISHED MAY 22, 1923.

171,575. TANKS INCLUDING OIL, GASOLINE-STORAGE TANKS, WATER-STORAGE TANKS, AIR-RECEIVING TANKS, AND HYDROPNEUMATIC TANKS. LEADER IRON WORKS, Decatur, Ill.
Filed December 1, 1922. Serial No. 172,749. PUBLISHED MAY 22, 1923.

171,576. ADDRESSING MACHINERY AND EQUIPMENT AND SUPPLIES THEREFOR—NAMELY, ADDRESSING MACHINES, STENCIL-CUTTING MACHINES, AND STENCILS FOR SAID ADDRESSING MACHINES. THE ELLIOTT COMPANY, Kittery, Me., and Cambridge, Mass.
Filed November 28, 1922. Serial No. 172,642. PUBLISHED MAY 1, 1923.

171,577. MUSHROOM PASTE. ADOLPH G. HUPFEL, Jr., New York, N. Y.
Filed November 22, 1922. Serial No. 172,382. PUBLISHED MAY 22, 1923.

171,578. FLAVORING COMPOUND. B. HELLER & COMPANY, Chicago, Ill.
Filed November 22, 1922. Serial No. 172,379. PUBLISHED MAY 22, 1923.

171,579. FLAVORING COMPOUND FOR USE IN CONFECTIONERY. B. HELLER & COMPANY, Chicago, Ill.
Filed November 22, 1922. Serial No. 172,378. PUBLISHED MAY 22, 1923.

171,580. FLAVORING COMPOUND FOR USE IN CAKES, PASTRY, AND OTHER BAKERY GOODS. B. HELLER & COMPANY, Chicago, Ill.
Filed November 22, 1922. Serial No. 172,377. PUBLISHED MAY 22, 1923.

171,581. CANDLESTICKS, INCENSE BURNERS, AND LAMPS. THE PUP TOYS COMPANY, Chicago, Ill.
Filed January 26, 1923. Serial No. 175,158. PUBLISHED MAY 22, 1923.

171,582. PLASTIC OR SEMIPLASTIC CEMENT FOR PROTECTING IRON. JAMES B. SIPE & CO., INC., Bridgeville, Pa.
Filed January 27, 1923. Serial No. 175,218. PUBLISHED MAY 22, 1923.

171,583. ROLLER BEARINGS AND PARTS THEREOF. THE TIMKEN ROLLER BEARING COMPANY, Canton, Ohio.
Filed January 29, 1923. Serial No. 175,278. PUBLISHED MAY 1, 1923.

171,584. DOLLS. GEORGE BORGFELDT & CO., New York, N. Y.
Filed January 31, 1923. Serial No. 175,339. PUBLISHED MAY 22, 1923.

171,585. PAPER BAGS AND PAPER CHESTS. THE WHITE TAR COMPANY, New York, N. Y.
Filed February 2, 1923. Serial No. 175,447. PUBLISHED MAY 22, 1923.

171,586. FLY SWATTERS AND STICKY PAPER FOR CATCHING FLIES AND INSECTS. F. W. HAMPSHIRE & CO. LD., Derby, England.
Filed February 3, 1923. Serial No. 175,490. PUBLISHED MAY 22, 1923.

171,587. AUTOMOBILE TOPS. STERLING TOP & EQUIPMENT COMPANY, INC., Jersey City, N. J., and New York, N. Y.
Filed February 5, 1923. Serial No. 175,573. PUBLISHED MAY 22, 1923.

171,588. CANDIES. THE DOLLY VARDEN CHOCOLATE COMPANY, Cincinnati, Ohio.
Filed February 6, 1923. Serial No. 175,632. PUBLISHED MAY 22, 1923.

171,589. PILE FABRICS IN THE PIECE. SIDNEY BLUMENTHAL & CO. INC., New York, N. Y.
Filed February 9, 1923. Serial No. 175,764. PUBLISHED MAY 15, 1923.

171,590. TRACTION WHEELS. THE BUCKEYE TRACTION DITCHER CO., Findlay, Ohio.
Filed February 10, 1923. Serial No. 175,843. PUBLISHED MAY 1, 1923.

171,591. FRESH FRUIT—VIZ, SATSUMA. SATSUMA ORANGE & PECAN GROVES COMPANY, INC., Mobile and Satsuma, Ala.
Filed February 14, 1923. Serial No. 176,047. PUBLISHED MAY 22, 1923.

171,592. SMOKED FISH. FULTON SMOKED FISH CO., Chicago, Ill.
Filed February 16, 1923. Serial No. 176,117. PUBLISHED MAY 22, 1923.

171,593. CHOCOLATE. IDEAL COCOA & CHOCOLATE CO., Lititz, Pa., and New York, N. Y.
Filed February 16, 1923. Serial No. 176,129. PUBLISHED MAY 22, 1923.

171,594. TEXTILE FABRICS OF COTTON, WOOL, SILK, AND MIXTURES OF SAME IN THE PIECE. BROWNSTEIN-LOUIS CO., Los Angeles, Calif.
Filed February 17, 1923. Serial No. 176,160. PUBLISHED MAY 15, 1923.

171,595. WATER HEATERS, AUTOMATIC AND NON-AUTOMATIC, OPERATED EITHER BY GAS OR ELECTRICITY. GENERAL WATER HEATER CORPORATION, Los Angeles, Calif.
Filed February 17, 1923. Serial No. 176,173. PUBLISHED MAY 22, 1923.

171,596. DEVICES FOR CARRYING AGRICULTURAL TOOLS AND CONNECTING THEM TO TRACTORS OR OTHER SOURCES OF DRAFT POWER. MOLINE PLOW COMPANY, INCORPORATED, Moline, Ill.
Filed February 17, 1923. Serial No. 176,202. PUBLISHED MAY 1, 1923.

171,597. SOFT DRINK. CHARLES T. SMITH COMPANY, INC., New Bedford, Mass.
Filed February 17, 1923. Serial No. 176,223. PUBLISHED MAY 22, 1923.

171,598. LEMON AND VANILLA EXTRACTS AND ESSENCE OF PEPPERMINT FLAVOR. FOLEY & COMPANY, Chicago, Ill.
Filed February 19, 1923. Serial No. 176,262. PUBLISHED MAY 22, 1923.

171,599. SOFT DRINKS. THE GRAND FORKS BOTTLING WORKS, Grand Forks, N. Dak.
Filed February 19, 1923. Serial No. 176,266. PUBLISHED MAY 22, 1923.

171,600. CANDY. NEW ENGLAND CONFECTIONERY COMPANY, Boston, Mass.
Filed February 19, 1923. Serial No. 176,274. PUBLISHED MAY 22, 1923.

171,601. PEDAL COVERS. DURKEE-ATWOOD CO., Minneapolis, Minn.
Filed January 15, 1923. Serial No. 174,612. PUBLISHED MAY 1, 1923.

171,602. CANNED TOMATOES. TAMAL PACKING CO., San Francisco, Calif.
Filed January 13, 1923. Serial No. 174,599. PUBLISHED MAY 8, 1923.

171,603. CANNED PEAS, TOMATO PURÉE, APPLES, STRING BEANS, TOMATOES, AND CRANBERRIES IN THE BULK. STANDARD PURVEYORS, INC., New York, N. Y.
Filed January 8, 1923. Serial No. 174,344. PUBLISHED MAY 8, 1923.

171,604. DRY AND READY-MIXED PAINTS, PAINT ENAMELS, STAINS, AND VARNISHES. MONROE, LEDERER & TAUSSIG, Philadelphia, Pa.
Filed January 6, 1923. Serial No. 174,256. PUBLISHED MAY 8, 1923.

171,605. GAS WATER HEATERS. BASTIAN-MORLEY CO., Laporte, Ind.
Filed December 29, 1922. Serial No. 173,950. PUBLISHED MAY 8, 1923.

171,606. STRUCTURAL STEEL. BETHLEHEM STEEL COMPANY, Bethlehem, Pa.
Filed December 23, 1922. Serial No. 173,738. PUBLISHED MAY 1, 1923.

171,607. AUTOMOBILE BUMPERS. NEW YORK WIRE & SPRING COMPANY, Hoboken, N. J.
Filed December 22, 1922. Serial No. 173,7[illegible]. PUBLISHED MAY 1, 1923.

171,608. COTTON BLANKETS AND COTTON BLANKET PIECE GOODS. THE ESMOND MILLS, Esmond, Smithfield, R. I.
Filed December 22, 1922. Serial No. 173,703. PUBLISHED MAY 15, 1923.

171,609. FIRE BRICK, FIRE-BRICK CEMENT, FIRE CLAY, AND TILE. A. P. GREEN FIRE BRICK CO., Mexico, Mo.
Filed December 18, 1922. Serial No. 173,489. PUBLISHED MAY 1, 1923.

171,610. FIRE BRICK, FIRE-BRICK CEMENT, FIRE CLAY, AND TILE. A. P. GREEN FIRE BRICK CO., Mexico, Mo.
Filed December 18, 1922. Serial No. 173,488. PUBLISHED MAY 1, 1923.

171,611. FIRE BRICK, FIRE-BRICK CEMENT, FIRE CLAY, AND TILE. A. P. GREEN FIRE BRICK CO., Mexico, Mo.
Filed December 18, 1922. Serial No. 173,487. PUBLISHED MAY 1, 1923.

171,612. FIRE BRICK, FIRE-BRICK CEMENT, FIRE-CLAY TILE. A. P. GREEN FIRE BRICK CO., Mexico, Mo.
Filed December 18, 1922. Serial No. 173,486. PUBLISHED MAY 1, 1923.

171,613. SILK, COTTON, AND SILK AND COTTON MIXED PIECE GOODS. LEWIS SCHOOLHOUSE, doing business as Chas. Schoolhouse & Son, New York, N. Y.
Filed March 22, 1923. Serial No. 177,876. PUBLISHED MAY 15, 1923.

171,614. COTTON PIECE GOODS AND SILK, AND COTTON FABRICS. MORAFF, TWINING & CO., New York, N. Y.
Filed March 22, 1923. Serial No. 177,862. PUBLISHED MAY 15, 1923.

171,615. PIECE GOODS MADE OF SILK. HAAS BROTHERS FABRICS CORPORATION, New York, N. Y.
Filed March 22, 1923. Serial No. 177,845. PUBLISHED MAY 15, 1923.

171,616. PIECE GOODS MADE OF SILK. HAAS BROTHERS FABRICS CORPORATION, New York, N. Y.
Filed March 22, 1923. Serial No. 177,844. PUBLISHED MAY 15, 1923.

171,617. COTTON PIECE GOODS. HUNTER MFG. & COMMISSION CO., New York, N. Y.
Filed March 21, 1923. Serial No. 177,782. PUBLISHED MAY 15, 1923.

171,618. HAIR NETS. GLOBE IMPORT COMPANY, San Francisco, Calif.
Filed March 20, 1923. Serial No. 177,734. PUBLISHED MAY 15, 1923.

171,619. COTTON PIECE GOODS. WILTON MANUFACTURING COMPANY, INC., New York, N. Y.
Filed March 19, 1923. Serial No. 177,718. PUBLISHED MAY 15, 1923.

171,620. SILK AND SILK-MIXED FABRICS. COCKCROFT SILK CO. INC., New York, N. Y.
Filed March 17, 1923. Serial No. 177,594. PUBLISHED MAY 1, 1923.

171,621. UPRIGHT AND INVERTED GAS MANTLES, BURNERS, AND LAMPS THEREFOR AND THEIR PARTS AND SUPPLIES THEREFOR. AUERLICHT GESELLSCHAFT M. B. H. KOMMANDITGESELLSCHAFT, Berlin, Germany.
Filed March 16, 1923. Serial No. 177,537. PUBLISHED MAY 22, 1923.

171,622. SHOE DAUBERS. PARKS & PARKS, INC., Troy, N. Y.
Filed March 12, 1923. Serial No. 177,322. PUBLISHED MAY 22, 1923.

171,623. FURNITURE AND FURNITURE-VAN PADS. ABRAHAM L. REACH, doing business as A. L. Reach Textile Co., New York, N. Y.
Filed March 10, 1923. Serial No. 177,244. PUBLISHED MAY 22, 1923.

171,624. CIGARS. BAY STATE CIGAR CO., INC., Westfield, Mass.
Filed March 9, 1923. Serial No. 177,162. PUBLISHED MAY 22, 1923.

171,625. KNITTED SILK FABRICS—VIZ, SILK KNITTED CLOTH IN THE PIECE. THE BANNER SILK KNITTING MILLS, INC., New York, N. Y.
Filed March 9, 1923. Serial No. 177,161. PUBLISHED MAY 22, 1923.

171,626. OIL-BURNING LANTERNS AND THE BURNERS AND METAL PARTS THEREOF. R. E. DIETZ COMPANY, New York, N. Y.
Filed February 23, 1923. Serial No. 176,455. PUBLISHED MAY 22, 1923.

171,627. PEANUT BUTTER. E. K. POND COMPANY, Chicago, Ill.
Filed February 21, 1923. Serial No. 176,427. PUBLISHED MAY 22, 1923.

171,628. LADIES' TRIMMED AND TAILORED HATS. LONDON & GREENSTEIN, INC., New York, N. Y.
Filed February 21, 1923. Serial No. 176,411. PUBLISHED MAY 1, 1923.

171,629. LEATHERS. WOLFE LEATHER CO., Boston, Mass.
Filed February 20, 1923. Serial No. 176,392. PUBLISHED MAY 22, 1923.

171,630. CANNED FISH. CARMEL CANNING CO., San Francisco, Calif.
Filed February 20, 1923. Serial No. 176,323. PUBLISHED MAY 22, 1923.

171,631. LINOLEUM. O. W. RICHARDSON & CO., Chicago, Ill.
Filed February 12, 1923. Serial No. 175,945. PUBLISHED MAY 15, 1923.

171,632. TEXTILE RUGS AND CARPETS. O. W. RICHARDSON & CO., Chicago, Ill.
Filed February 12, 1923. Serial No. 175,944. PUBLISHED MAY 15, 1923.

[ACT OF MARCH 19, 1920, SEC. 1 (b)].

THESE REGISTRATIONS ARE NOT SUBJECT TO OPPOSITION.

171,633. (CLASS 44. DENTAL, MEDICAL AND SURGICAL APPLIANCES.) DAVID C. BAKER, New York, N. Y. Filed May 25, 1923. Serial No. 181,158.

D. C. B.
Sanitary Head Shield
for DENTAL CHAIR

Particular description of goods.—Sanitary Head Shield for Dental Chair.
Claims use since Feb. 23, 1921.

171,634. (CLASS 40. FANCY GOODS, FURNISHINGS, AND NOTIONS.) ADOLPH BRESLAUER, New York, N. Y. Filed May 24, 1923. Serial No. 181,055.

Curly

Particular description of goods.—Hair Goods—Namely, Transformations, Hair Pieces, Switches, and Pompadours.
Claims use since about June, 1920.

171,635. (CLASS 40. FANCY GOODS, FURNISHINGS, AND NOTIONS.) THE L. & R. COMPANY, Providence, R. I. Filed May 28, 1923. Serial No. 181,030.

LONG&WEAR

Particular description of goods.—Shoe Laces, Corset Laces, and Elastic Webbing.
Claims use since July 1, 1920.

171,636. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) PARISTYLE NOVELTY CO. INC., New York, N. Y. Filed May 14, 1923. Serial No. 180,617.

FAULTLESS

Particular description of goods.—Hair Nets.
Claims use since on or about Feb. 1, 1911.

171,637. (CLASS 40. FANCY GOODS, FURNISHINGS, AND NOTIONS.) STANDARD PRODUCTS COMPANY, Providence, R. I. Filed May 9, 1923. Serial No. 180,400.

KAMEL HIDE

Particular description of goods.—Shoe Lacings.
Claims use since Jan. 15, 1922.

171,638. (CLASS 28. JEWELRY AND PRECIOUS METAL WARE.) J. F. STURDY'S SONS CO., Attleboro Falls, Mass. Filed Apr. 30, 1923. Serial No. 179,972.

STURDY

Particular description of goods.—Buckles, Cuff Buttons, Cuff Links, Collar Buttons, Collar Fasteners, Eyeglass Holders, Knife Handles, Lockets, Badges, Charms, Fobs, Pendants, Finger Rings, Key Rings, Chain Fasteners, Snap Fasteners, Spring Rings, Ornamental Hairpins, Ornamental Clasp Pins, Pin Stems, Pin Joints, Pin Catches, Swivels, Tie Clasps, Rivet Wire, Ear Fasteners, Eyeglass Holders, Eyeglass Reels, Belt Clasps, Belt Supporters, and Bib Holders, All of Which are Made of or Plated with Precious Metal.
Claims use since July, 1919.

171,639. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) ROME IMPORTING CO., New York, N. Y. Filed Apr. 12, 1923. Serial No. 179,057.



Particular description of goods.—Olive Oil.
Claims use since Sept. 1, 1912.

171,640. (CLASS 38. PRINTS AND PUBLICATIONS.) WORLD PUBLISHING COMPANY, Tulsa, Okla. Filed Apr. 5, 1923. Serial No. 178,651.

OKLAHOMA'S GREATEST NEWSPAPER

Particular description of goods.—Daily Paper.
Claims use since previous to 1918.

171,641. (CLASS 40. FANCY GOODS, FURNISHINGS, AND NOTIONS.) MCCARTHY BROS. INC., West New York, N. J. Filed Mar. 7, 1923. Serial No. 177,095.

MOTHER of PEARL
BABY BUTTONS

Particular description of goods.—Pearl Buttons.
Claims use since Jan. 11, 1922.

171,642. (CLASS 43. THREAD AND YARN.) BERNHARD ULMANN CO. INC., New York, N. Y. Filed Feb. 20, 1923. Serial No. 176,373.

CASSIMERE

Particular description of goods.—Yarns for Knitting, Crocheting, and Art Needlework.
Claims use since December, 1920.

171,643. (CLASS 4. ABRASIVE, DETERGENT, AND POLISHING MATERIALS.) FLASH CHEMICAL COMPANY, Cambridge, Mass. Filed Feb. 20, 1923. Serial No. 176,336.

CLEANUP

Particular description of goods.—Soap Paste.
Claims use since June, 1913.

171,644. (CLASS 4. ABRASIVE, DETERGENT, AND POLISHING MATERIALS.) QUICK KLEAN KEMICAL COMPANY, Worcester, Mass. Filed Dec. 1, 1922. Serial No. 172,768.

Particular description of goods.—Hand, Household, and Automobile Soap and Paste.
Claims use since May 30, 1904.

171,645. (CLASS 3. BAGGAGE, HORSE EQUIPMENTS, PORTFOLIOS, AND POCKETBOOKS.) L. GOLDSMITH & SON, INC., Newark, N. J. Filed Aug. 10, 1922. Serial No. 168,032.

NEVERBREAK

Particular description of goods.—Trunks.
Claims use since 1900.

171,646. (CLASS 2. RECEPTACLES.) W. T. LANE & BROTHERS, Poughkeepsie, N. Y. Filed June 30, 1922. Serial No. 166,306.

LANE

Particular description of goods.—Cloth Bags and Baskets.
Claims use since June 15, 1922.

171,647. (CLASS 40. FANCY GOODS, FURNISHINGS, AND NOTIONS.) PAGODA IMPORT COMPANY, INC., Brooklyn, N. Y. Filed Apr. 24, 1922. Serial No. 162,849.

Parfait

Particular description of goods.—Hair Curlers.
Claims use since November, 1921.

171,648. (CLASS 32. FURNITURE AND UPHOLSTERY.) H. EHRLICH & SONS MFG. CO., St. Joseph, Mo. Filed Feb. 9, 1922. Serial No. 159,087.

EHRLICH
Quick Seller
INTERCHANGEABLE SECTIONS

Particular description of goods.—Interchangeable Sections for Use as Merchandise Containers in Stores.
Claims use since Jan. 3, 1922.

171,649. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) CHARLES VANDER KOOGH, Plainfield, N. J. Filed Mar. 29, 1921. Serial No. 145,403.

Vander's
OLIVTASTE

Particular description of goods.—Mayonnaise Dressing.
Claims use since Mar. 18, 1921.

171,650. (CLASS 39. CLOTHING.) GEORGE R. DAVIS, Seattle, Wash. Filed Nov. 21, 1922. Serial No. 172,322.

ANTI-FRICTION

Particular description of goods.—Shoes Made of Leather, Rubber, Fabric; Combinations of Leather and Rubber; Rubber and Fabric; Leather and Fabric, and Leather, Fabric, and Rubber.
Claims use since Nov. 25, 1914.

171,651. (CLASS 26. MEASURING AND SCIENTIFIC APPLIANCES.) OHMER FARE REGISTER COMPANY, Dayton, Ohio. Filed Nov. 20, 1922. Serial No. 172,289.

OHMER

Particular description of goods.—Fare Recorders and Registers, Fare Boxes and Taximeters, and Automobile Service Recorders.
Claims use since Apr. 23, 1915.

171,652. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) JOHN DUNN, SON & CO., New York, N. Y. Filed Nov. 15, 1922. Serial No. 172,037.

DUNSON

Particular description of goods.—Shovels and Spades.
Claims use since July, 1918.

171,653. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) STEPHENS CANNING CORPORATION, Oakfield, Wis. Filed Sept. 28, 1922. Serial No. 170,048.

SWEETEST PACKED BRAND

Particular description of goods.—Canned Peas.
Claims use since June 1, 1922.

171,654. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) STAFFORD ROLLER-BEARING CAR TRUCK CORPORATION, Lawton, Mich. Filed Sept. 25, 1922. Serial No. 169,933.

"IT ROLLS THE FRICTION AWAY"

Particular description of goods.—Roller Bearings and Roller-Bearing Journal Boxes.
Claims use since Aug. 30, 1919.

171,655. (CLASS 39. CLOTHING.) MEXICAN-AMERICAN HAT COMPANY, St. Louis, Mo. Filed Sept. 9, 1922. Serial No. 169,254.

KOKO KOOLER

Particular description of goods.—Harvest Hats for Men, Women, and Children.
Claims use since Jan. 30, 1921.

171,656. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) ITALIAN FOOD PRODUCTS CO., INC., Los Angeles, Calif. Filed July 17, 1922. Serial No. 166,998.

SICILIA

Particular description of goods.—Canned Tunny Fish.
Claims use since May 24, 1922.

171,657. (CLASS 39. CLOTHING.) IGNATIUS PETRUZZELLI, New York, N. Y. Filed July 14, 1922. Serial No. 166,904.

Strawsaver

Particular description of goods.—Rubber Coverings for Hats.
Claims use since June 5, 1922.

171,658. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) HENRY MAILLARD, doing business as Maillard, New York, N. Y. Filed June 21, 1922. Serial No. 165,799.

ASSORTIMENT PARFAIT

Particular description of goods.—Candy.
Claims use since June 9, 1922.

171,659. (CLASS 39. CLOTHING.) BUCKINGHAM & HECHT, San Francisco, Calif. Filed June 21, 1922. Serial No. 165,780.

BUCK STRIPS

Particular description of goods.—Shoes of Leather.
Claims use since June 5, 1922.

171,660. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) WILLIAM ARTHUR HONEYMAN, doing business as Pull-Rak Company, San Francisco, Calif. Filed May 22, 1922. Serial No. 164,575.

PULL-RAK

Particular description of goods.—Merchandise-Vending Machines.
Claims use since Feb. 1, 1922.

171,661. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) AMERICAN WOODWORKING MACHINERY COMPANY, Rochester, N. Y. Filed May 24, 1922. Serial No. 164,355.

AMERICAN

Particular description of goods.—Woodworking Machines—Namely, Band-Saw Machines, Planers and Matchers, Buzz Planers, Mortising Machines, Molding Machines, Shaping Machines, Surfacing Machines, End Matchers, Filing and Setting Machines, Gang Edgers and Rippers, Gang Ripsaws, Glue Jointers, Grindstones, Grooving Machine, Hardwood-Flooring Machines, Hopper-Feed Attachments, Jointers (Power and Hand Feed), Knife Balancing Machines, Knife Grinders, Lath Machines, Lathes, Lathe Appliances, Matcher-Head Trackers, Miter Machines, Panel Raisers, Precision Saw Benches, Profilers, Rabbeting Machines, Ripsaw Benches, Rod and Dowel Machines, Safety Cylinders, Sanders, Saw Arbors; Sash, Door, and Blind Machinery; Sash Jointers and Sanders, Sash Rabbeting and Jointing Machines, Scraper-Knife Grinders, Scraping Machines, Scroll Saws, Shapers, Swing Saws, Tenoners, Timber Sizers, Saw Benches, Veneer Presses, and Wedge Cutters.
Claims use since about January, 1901.

171,662. (CLASS 39. CLOTHING.) SOUTHERN TEXTILE MACHINERY CO., MANUFACTURERS, Dallas, Tex. Filed May 6, 1922. Serial No. 163,475.

NON-STRETCH - KNIT TIES

Particular description of goods.—Neckties.
Claims use since Mar. 15, 1922.

171,663. (CLASS 39. CLOTHING.) E. ROSENFELD & COMPANY, Baltimore, Md., assignor to Faultless Nightwear Corporation (E. Rosenfeld and Co.), Baltimore, Md., a Corporation of Maryland. Filed May 4, 1922. Serial No. 163,353.

BUTTONLESS

Particular description of goods.—Nightshirts and Pyjamas.
Claims use since Mar. 1, 1912.

171,664. (CLASS 14. METALS AND METAL CASTINGS AND FORGINGS.) THE BARIO METAL CORPORATION, New York, N. Y. Filed Apr. 19, 1922. Serial No. 162,531.

BARIO

Particular description of goods.—Metal Alloys.
Claims use since November, 1917.

171,665. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) PETER CAILLER KOHLER SWISS CHOCOLATES CO., INC., New York, N. Y. Filed Mar. 18, 1922. Serial No. 160,868.

CREMA

Particular description of goods.—Milk-Chocolate Coating for Candy.
Claims use since April, 1921.

171,666. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) HELLER BROTHERS COMPANY, Newark, N. J. Filed Mar. 17, 1922. Serial No. 160,810.

HAND LIKE CUT

Particular description of goods.—Files and Rasps.
Claims use since about Jan. 1, 1922.

171,667. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) THE GARNER GIN COMPANY, INC., Houston, Tex. Filed Feb. 25, 1922. Serial No. 159,796.

REGIN

Particular description of goods.—Machines for Breaking, Opening, Cleaning, Separating, Collecting, Condensing, and Ginning Cotton and Other Fibrous Materials.
Claims use since Jan. 1, 1909.

171,668. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) HARRY D. NEFF, Cambridge, Mass. Filed Jan. 26, 1922. Serial No. 158,486.

"Do it with Pliers"

Particular description of goods.—Pliers.
Claims use since Dec. 26, 1921.

171,669. (CLASS 39. CLOTHING.) THE PRINTZ BIEDERMAN CO., Cleveland, Ohio. Filed Jan. 6, 1922. Serial No. 157,585.

Printz

Particular description of goods.—Ladies' and Misses' Coats, Suits, Dresses, Outer Skirts and Waists.
Claims use since Dec. 5, 1921.

171,670. (CLASS 17. TOBACCO PRODUCTS.) R. G. SULLIVAN ESTATE, Manchester, N. H. Filed May 28, 1923. Serial No. 181,321.

FAMOUS FOR QUALITY

Particular description of goods.—Cigars.
Claims use since 1918.

171,671. (CLASS 12. CONSTRUCTION MATERIALS.) LACLEDE-CHRISTY CLAY PRODUCTS COMPANY, St. Louis, Mo. Filed Apr. 7, 1923. Serial No. 178,743.

LACLEDE CHRISTY
ST LOUIS

Particular description of goods.—Refractory Tiles and Bricks for Furnaces.
Claims use since June 1, 1911.

171,672. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) CONTINENTAL FILE CORPORATION, Anderson, Ind. Filed Mar. 19, 1923. Serial No. 177,654.

UTILITY

Particular description of goods.—A File.
Claims use since Mar. 1, 1922.

171,673. (CLASS 35. BELTING, HOSE, MACHINERY PACKING, AND NONMETALLIC TIRES.) DERWYLLAN CO., INC., Peterson, Del., and Paterson, N. J. Filed Mar. 12, 1923. Serial No. 177,280.



Particular description of goods.—Brake and Transmission Lining for Automobile Use.
Claims use since May 15, 1922.

171,674. (CLASS 12. CONSTRUCTION MATERIALS.) SMITH & WYMAN CO., Minneapolis, Minn. Filed Feb. 26, 1923. Serial No. 176,658.

MILL A1 WORK

Particular description of goods.—Manufactured Lumber Ordinarily Known as and Called "Millwork," Comprising Doors of All Kinds, Blinds, Cottage Windows, Panel Wainscoting, Ceiling Beams, Stair Work, Colonnades, Cabinet Work, Porch Work, Buffets, Moldings, Mantels, Trim Materials, Window Seats, Medicine Cabinets, Linen Closets, Clothes Closets.
Claims use since April, 1922.

171,675. (CLASS 35. BELTING, HOSE, MACHINERY PACKING, AND NONMETALLIC TIRES.) THE INDIANA PISTON RING COMPANY, Hagerstown, Ind. Filed Feb. 13, 1923. Serial No. 175,989.

TEETOR
Perfect Circle
PISTON RINGS

Particular description of goods.—Engine Piston Rings.
Claims use since Oct. 3, 1921.

171,676. (CLASS 1. RAW OR PARTLY-PREPARED MATERIALS.) OCKLAWAHA NURSERIES, Lake Jem, Fla. Filed Jan. 27, 1923. Serial No. 175,226.

OCKLAWAHA NURSERIES.

Particular description of goods.—Citrous Trees and Plants.
Claims use since 1899.

171,677. (CLASS 12. CONSTRUCTION MATERIALS.) THE SHERWIN-WILLIAMS COMPANY, Cleveland, Ohio. Filed Dec. 21, 1922. Serial No. 173,682.

ANTYDAMP

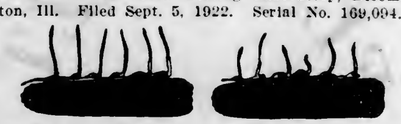
Particular description of goods.—Foundation Dampproofing in Liquid, Semipaste, and Paste Form.
Claims use since Oct. 20, 1920.

171,678. (CLASS 1. RAW OR PARTLY-PREPARED MATERIALS.) WILDER & COMPANY, Chicago, Ill. Filed Nov. 3, 1922. Serial No. 171,563.

RELIABLE
-W-
OAK

Particular description of goods.—Sole Leather in the Form of Sides, Crops, Backs, Bends, Strips, Blocks, Squares.
Claims use since June 1, 1922.

171,679. (CLASS 1. RAW OR PARTLY-PREPARED MATERIALS. OTTO PHILIP TIEMANN, doing business as Illinois Seed Corn Testing Laboratory, Bloomington, Ill. Filed Sept. 5, 1922. Serial No. 169,094.



Particular description of goods.—Seed Corn.
Claims use since June 15, 1922.

171,680. (CLASS 34. HEATING, LIGHTING, AND VENTILATING APPARATUS, NOT INCLUDING ELECTRICAL APPARATUS.) WILLIAM M. HOFFMAN, Buffalo, N. Y. Filed July 13, 1922. Serial No. 166,829.

OIL BURNING
HOFFMAN
SYSTEM

Particular description of goods.—Fuel-Oil Burners.
Claims use since Apr. 15, 1920.

171,681. (CLASS 34. HEATING, LIGHTING, AND VENTILATING APPARATUS, NOT INCLUDING ELECTRICAL APPARATUS.) THE WESTERN GAS FIXTURE CO., Toledo, Ohio. Filed Apr. 19, 1919. Serial No. 117,633.

Valhumesque Shades

Particular description of goods.—Domes and Shades Made of Paper for Lighting Fixtures.
Claims use since Mar. 1, 1919.

171,682. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) MARSHALL FIELD & COMPANY, Chicago, Ill. Filed Apr. 23, 1923. Serial No. 179,522.

FLAXMIXT

Particular description of goods.—Toweling in the Piece.
Claims use since Jan. 16, 1922.

171,683. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) THE ACME SHEAR COMPANY, Bridgeport, Conn. Filed Apr. 21, 1923. Serial No. 179,447.

"FROSTED"

Particular description of goods.—Shears and Scissors.
Claims use since Jan. 23, 1904.

171,684. (CLASS 25. LOCKS AND SAFES.) CHICAGO THRIFT COMPANY, Chicago, Ill. Filed Apr. 20, 1923. Serial No. 179,397.

BARRELS OF MONEY

Particular description of goods.—Portable Banks.
Claims use since Nov. 1, 1921.

171,685. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) JUSTUS S. STEARNS, doing business as Stearns Motor Manufacturing Co., Ludington, Mich. Filed Apr. 19, 1923. Serial No. 179,384.

STEARNS

Particular description of goods.—Internal-Combustion Engines.
Claims use for not less than one year.

171,686. (CLASS 9. EXPLOSIVES, FIREARMS, EQUIPMENTS, AND PROJECTILES.) THE DIAMOND MATCH COMPANY, Chicago, Ill. Filed Apr. 10, 1923. Serial No. 178,910.

RED STICK

Particular description of goods.—Matches.
Claims use since July, 1921.

171,687. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) PHENIX CHEESE CO., New York, N. Y. Filed Mar. 27, 1923. Serial No. 178,116.

PHILADELPHIA

Particular description of goods.—Butter.
Claims use since Jan. 1, 1885.

171,688. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) INTERNATIONAL COTTON MILLS, Boston, Mass. Filed Mar. 21, 1923. Serial No. 177,785.

LOWELL

Particular description of goods.—Cotton Duck and Cotton Tire Fabrics in the Piece.
Claims use since Mar. 2, 1895.

171,689. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) MINNIE M. MELDRAM, New York, N. Y. Filed Mar. 16, 1923. Serial No. 177,567.

Mrs. Meldram's
Original
Nut Bread

Particular description of goods.—Bread.
Claims use since Nov. 20, 1921.

171,690. (CLASS 28. MEASURING AND SCIENTIFIC APPLIANCES.) GENERAL RADIO COMPANY, Cambridge, Mass. Filed Mar. 16, 1923. Serial No. 177,555.

GENERAL RADIO CO.

Particular description of goods.—Standards of Resistance, Inductance and Capitance for Measuring Purposes, Decade Bridges, Slide Wire Bridges, Capacity Bridges and Meters, Hot Wire Meters, Wave Meters, Audibility Meters, Special Measuring Instruments for Making Measurements at Audio and Radio Frequencies, Electrical Compensators for Submarine Detection and Depth Sound Ranging, and D'Arsonval Meters.
Claims use since January, 1916.

171,691. (CLASS 14. METALS AND METAL CASTINGS AND FORGINGS.) BRIDGEPORT BRASS COMPANY, Bridgeport, Conn. Filed Mar. 16, 1923. Serial No. 177,542.

It's Tested

Particular description of goods.—Nonferrous Metals in the Form of Ingots, Billets, Slabs, Sheets, Wire, Rods, and Tube Blanks.
Claims use since on or about Oct. 4, 1921.

171,692. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) FREDERICK A. O'CONNOR, doing business as Cremo Caramel Company, Toronto, Ontario, Canada. Filed Mar. 5, 1923. Serial No. 177,018.

"Cremo"

Particular description of goods.—Candy.
Claims use since Jan. 1, 1916.

171,693. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) MACHINERY SUPPLY & DRAPER COMPANY, Walla Walla, Wash. Filed Mar. 5, 1923. Serial No. 177,008.

GORDON DRAPER

Particular description of goods.—Drapers for Machinery for Harvesting and Treating Grains, Cereals, Apples, and Other Agricultural Crops.
Claims use since Nov. 1, 1919.

171,694. (CLASS 39. CLOTHING.) H. FRIEDMAN HAT CO. INC., New York, N. Y. Filed Mar. 5, 1923. Serial No. 176,960.

STANDARD OF EXCELLENCE
FRIEDMAN QUALITY
NEW YORK'S BEST MAKE
THE MELTON

Particular description of goods.—Men's Hats.
Claims use since Jan. 1, 1916.

171,695. (CLASS 39. CLOTHING.) WALLKILL HAT WORKS INC., New York, N. Y. Filed Feb. 24, 1923. Serial No. 176,586.

AMERICAN FASHION HATS

Particular description of goods.—Men's Soft and Stiff Felt Hats and Straw Hats.
Claims use since December, 1903.

171,696. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) LAWRENCE B. SHEFFIELD, doing business as L. B. Sheffield Company, Inc., Richmond, Va. Filed Feb. 19, 1923. Serial No. 176,286.

SHEFF'S SYRUPS

Particular description of goods.—Table Sirups.
Claims use since Feb. 1, 1921.

171,697. (CLASS 39. CLOTHING.) FIRESTONE-APSLEY RUBBER COMPANY, Hudson, Mass. Filed Feb. 9, 1923. Serial No. 175,781.

Firestone Apsley

Particular description of goods.—Rubber Heels, Boots, Overshoes, Sandals, Pacs; Gum Shoes, Sandals, Pacs, Arctics, and Gaiters.
Claims use for not less than one year.

171,698. (CLASS 39. CLOTHING.) ANDERSON-OWENS SHOE COMPANY, Lynn, Mass. Filed Feb. 7, 1923. Serial No. 175,640.

Style-Full Over-Sizes

Particular description of goods.—Women's and Children's Leather Shoes with Rubber Composition Heels.
Claims use since January, 1921.

171,699. (CLASS 39. CLOTHING.) THE STETSON SHOP, Pittsburh, Pa. Filed Jan. 23, 1923. Serial No. 174,981.

HOLBROOK AND PETTY DRY-FOOT

Particular description of goods.—Leather Shoes and Boots.
Claims use since April, 1922.

171,700. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) THE SHERWIN-WILLIAMS COMPANY, Cleveland, Ohio. Filed Dec. 21, 1922. Serial No. 173,683.

CARBOLIC-OL

Particular description of goods.—Wood Preservative.
Claims use since December, 1912.

171,701. (CLASS 39. CLOTHING.) IRVING COHEN, New York, N. Y. Filed Dec. 12, 1922. Serial No. 173,230.

Irving

Particular description of goods.—Shoes, Oxfords, Pumps, and Slippers of Leather, Canvas, Satin, or Fabric or Combination of Such Materials; Rubbers and Spats.
Claims use since Apr. 7, 1920.

171,702. (CLASS 39. CLOTHING.) PARKER RUBBER MFG. CO., Boston, Mass. Filed Sept. 30, 1921. Serial No. 153,566.

PARKER

Particular description of goods.—Combination and Rubber Heels.
Claims use since on or about Aug. 1, 1919.

171,703. (CLASS 45. BEVERAGES, NONALCOHOLIC.) FREDERICK T. GALLOTTI, doing business as Brazilian Coffee Co., New York, N. Y. Filed Sept. 22, 1921. Serial No. 153,199.

"Le Tre Qualita',,

Particular description of goods.—Coffee.
Claims use since July 1, 1911.

171,704. (CLASS 39. CLOTHING.) G. H. BASS & COMPANY, Wilton, Me. Filed Jan. 7, 1921. Serial No. 141,938.

RANGELEY

Particular description of goods.—Shoes and Mocassins Made of Leather and a Combination of Leather and Fiber.
Claims use since July 1, 1910.

TRADE-MARK REGISTRATIONS RENEWED.

23,149. A SIRUP REMEDY FOR DISEASES OF THE THROAT, LUNGS, AND MUCOUS MEMBRANE. Registered May 30, 1893. HELON G. HARTER, Helena, Ohio. Renewed May 30, 1923, to The H. G. Harter Company, Helena, Ohio, assignee.

23,194. HOSIERY AND UNDERWEAR. Registered June 13, 1893. WILLCOX & GIBBS SEWING MACHINE COMPANY, New York, N. Y. Renewed June 13, 1923.

23,231. EXTERNAL AND INTERNAL REMEDIES FOR CERTAIN NAMED DISEASES. Registered June 20, 1893. CHARLES I. HOOD, Lowell, Mass. Renewed June 20, 1923, to C. I. Hood Company, Kittery, Me., a Corporation of Maine, assignee.

23,238. BILLIARD TABLES. Registered June 20, 1893. THE BRUNSWICK-BALKE-COLLENDER COMPANY, Chicago, Ill. Renewed June 20, 1923.

23,293. HERRINGS AND SARDINES. Registered July 4, 1893. YZERMANS & Co., Vlaardingen, Netherlands. Renewed July 4, 1923.

23,323. HOT AIR AND WATER HEATERS. Registered July 4, 1893. RICHARDSON & BOYNTON COMPANY, New York, N. Y., and Chicago, Ill. Renewed July 4, 1923.

23,348. TOBACCO, CIGARS, CIGARETTES, AND CHEROOTS. Registered July 11, 1893. D. RITCHIE & Co., Montreal, Canada. Renewed July 11, 1923, to Imperial Tobacco Company of Canada, Limited, assignee.

23,353. COMPOUND OF SARSAPARILLA. Registered July 11, 1893. CHARLES I. HOOD, Lowell, Mass. Renewed July 11, 1923, to C. I. Hood Company, Kittery, Me., a Corporation of Maine, assignee.

23,398. A REMEDY FOR INDIGESTION. Registered July 25, 1893. HENRY OTIS HYATT, Kinston, N. C. Renewed July 25, 1923, to Delia Hyatt, executrix of the estate of said Henry Otis Hyatt, deceased, Kinston, N. C.

23,464. CANNED CORN. Registered August 8, 1893. ILLINOIS CANNING CO., Hoopeston, Ill. Renewed August 8, 1923, to The Illinois Canning Co., a Corporation of Illinois, assignee.

23,465. CANNED VEGETABLES. Registered August 8, 1893. ILLINOIS CANNING CO., Hoopeston, Ill. Renewed August 8, 1923, to The Illinois Canning Co., a Corporation of Illinois, assignee.

23,466. CANNED FRUITS, VEGETABLES, FISH, MEATS, OYSTERS, CATCHUP, AND SOUP. Registered August 8, 1893. THE ALBERT F. REMY CO., Mansfield, Ohio. Renewed August 8, 1923.

23,481. CANNED CORN. Registered August 15, 1893. ILLINOIS CANNING CO., Hoopeston, Ill. Renewed August 15, 1923, to The Illinois Canning Co., a Corporation of Illinois, assignee.

23,482. CANNED FRUITS, VEGETABLES, FISH, MEAT, OYSTERS, CATCHUP, AND SOUP. Registered August 15, 1893. THE ALBERT F. REMY CO., Mansfield, Ohio. Renewed August 15, 1923.

23,560. LIQUID SHOE DRESSING. Registered August 29, 1893. C. L. HAUTHAWAY & SONS, Boston, Mass. Renewed August 29, 1923, to C. L. Hauthaway & Sons, Inc., assignee.

23,649. NEEDLES. Registered September 26, 1893. EXCELSIOR NEEDLE COMPANY, Torrington, Conn. Renewed September 26, 1923, to The Torrington Company, Torrington, Conn., assignee.

23,662. AN OILY MEDICINAL PREPARATION FOR INTERNAL AND EXTERNAL USE. Registered September 26, 1893. WILLIAM E. PEARSON, Paris, France. Renewed September 26, 1923, to E. T. Pearson, Hamburg, Germany, assignee.

23,663. AN OILY MEDICINAL PREPARATION FOR INTERNAL AND EXTERNAL USE. Registered September 26, 1893. WILLIAM E. PEARSON, Paris, France. Renewed September 26, 1923, to E. T. Pearson, Hamburg, Germany, assignee.

23,710. WOVEN COTTON GOODS. Registered October 17, 1893. MASSACHUSETTS COTTON MILLS, Lowell, Mass. Renewed October 17, 1923.

23,711. WOVEN COTTON GOODS. Registered October 17, 1893. MASSACHUSETTS COTTON MILLS, Lowell, Mass. Renewed October 17, 1923.

23,770. OATMEAL AND SIMILAR OAT FOODS. Registered October 31, 1893. THE H-O (HORNBY'S OATMEAL) COMPANY, New York, N. Y. Renewed October 31, 1923, to The H-O Cereal Company, Inc., New York, N. Y., assignee.

23,793. AERATED AND NONALCOHOLIC ALE AND STOUT. Registered November 7, 1893. KOPS BREWERY, London, England. Renewed November 7, 1923, to R. White & Sons, Limited, London, England, assignee.

23,800. AN EMOLLIENT FOR THE SKIN. Registered November 7, 1893. SHIREY & BROWN, Buena Vista, Va. Renewed November 7, 1923, to Arnica Cream Company, Inc., Roanoke, Va., a Corporation of Virginia, assignee.

23,857. INSULATED WIRE AND INSULATED WIRE CABLES. Registered November 21, 1893. PHILLIPS INSULATED WIRE COMPANY, Pawtucket, R. I. Renewed November 21, 1923.

23,872. ALE AERATED AND NONALCOHOLIC. Registered November 28, 1893. KOPS BREWERY, London, England. Renewed November 28, 1923, to R. White & Sons, Limited, London, England, assignee.

23,893. CASES FOR WATCHES. Registered December 5, 1893. ILLINOIS WATCH CASE COMPANY, Elgin Ill. Renewed December 5, 1923.

LABELS

REGISTERED AUGUST 7, 1923.

26,283.—*Title:* SKWEZ-ME A HOWLING SUCCESS. For Skwez-Me Squawkers. WILLIAM CALDWELL, New York, N. Y. Published July 1, 1923.

26,284.—*Title:* MILDRED CRESSEY SILVER POLISH. For a Polish for Gold, Silver, or any Like Materials Where a Bright Lustrous Finish is Desired. MILDRED CRESSEY, Milwaukee, Wis. Published February 15, 1922.

26,285.—*Title:* DAVEYLAC. For Shellac for Trees. THE DAVEY TREE EXPERT COMPANY, Kent, Ohio. Published June 6, 1923.

26,286.—*Title:* VELVET LAWN GRASS. For Lawn-Grass Seed. FREDONIA SEED COMPANY, Fredonia, N. Y. Published December 1, 1922.

26,287.—*Title:* WELDING ELECTRODE. For Welding Electrodes. GENERAL ELECTRIC COMPANY, Schenectady, N. Y. Published May 23, 1923.

26,288.—*Title:* THE ROSE OF GUADALUPE (LA ROSE DE GUADALUPE). For Face Powder. ELMER HASLETT, Los Angeles, Calif. Published January 1, 1923.

26,289.—*Title:* KELLOGG'S CORN FLAKES. For Cereal Breakfast Food. KELLOGG COMPANY, Battle Creek, Mich. Published May 10, 1923.

26,290.—*Title:* KELLOGG'S BRAN FLAKES. For Cereal Breakfast Food. KELLOGG COMPANY, Battle Creek, Mich. Published May 12, 1923.

26,291.—*Title:* SMILE. For Oranges. R. KRASNOW & SONS, INC., Pittsburgh, Pa., and Fresno, Calif. Published January 21, 1923.

26,292.—*Title:* KUTNER'S HIGHLAND. For Coffee. KUTNER-GOLDSTEIN CO., San Francisco, Calif. Published April 2, 1923.

26,293.—*Title:* PICTURE ALPHABETIC PRIZE CANDY BOX. For Candy and a Prize. LEADER NOVELTY CANDY COMPANY, INC., Brooklyn, N. Y. Published April 16, 1922.

26,294.—*Title:* PICTURE ALPHABETIC PRIZE CANDY BOX. For Candy and a Prize. LEADER NOVELTY CANDY COMPANY, INC., Brooklyn, N. Y. Published April 16, 1922.

26,295.—*Title:* PICTURE ALPHABETIC PRIZE CANDY BOX. For Candy and a Prize. LEADER NOVELTY CANDY COMPANY, INC., Brooklyn, N. Y. Published April 16, 1922.

26,296.—*Title:* PICTURE ALPHABETIC PRIZE CANDY BOX. For Candy and a Prize. LEADER NOVELTY CANDY COMPANY, INC., Brooklyn, N. Y. Published April 16, 1922.

26,297.—*Title:* PICTURE ALPHABETIC PRIZE CANDY BOX. For Candy and a Prize. LEADER NOVELTY CANDY COMPANY, INC., Brooklyn, N. Y. Published April 16, 1922.

26,298.—*Title:* PICTURE ALPHABETIC PRIZE CANDY BOX. For Candy and a Prize. LEADER NOVELTY CANDY COMPANY, INC., Brooklyn, N. Y. Published April 16, 1922.

26,299.—*Title:* PICTURE ALPHABETIC PRIZE CANDY BOX. For Candy and a Prize. LEADER NOVELTY CANDY COMPANY, INC., Brooklyn, N. Y. Published April 16, 1922.

26,300.—*Title:* PICTURE ALPHABETIC PRIZE CANDY BOX. For Candy and a Prize. LEADER NOVELTY CANDY COMPANY, INC., Brooklyn, N. Y. Published April 16, 1922.

26,301.—*Title:* PICTURE ALPHABETIC PRIZE CANDY BOX. For Candy and a Prize. LEADER NOVELTY CANDY COMPANY, INC., Brooklyn, N. Y. Published April 16, 1922.

26,302.—*Title:* PICTURE ALPHABETIC PRIZE CANDY BOX. For Candy and a Prize. LEADER NOVELTY CANDY COMPANY, INC., Brooklyn, N. Y. Published April 16, 1922.

26,303.—*Title:* PICTURE ALPHABETIC PRIZE CANDY BOX. For Candy and a Prize. LEADER NOVELTY CANDY COMPANY, INC., Brooklyn, N. Y. Published April 16, 1922.

26,304.—*Title:* PICTURE ALPHABETIC PRIZE CANDY BOX. For Candy and a Prize. LEADER NOVELTY CANDY COMPANY, INC., Brooklyn, N. Y. Published April 16, 1922.

26,305.—*Title:* PICTURE ALPHABETIC PRIZE CANDY BOX. For Candy and a Prize. LEADER NOVELTY CANDY COMPANY, INC., Brooklyn, N. Y. Published April 16, 1922.

26,306.—*Title:* MELODEW PREPARED LIQUID CHOCLET. For Chocolate. MELODEW CORPORATION, New York, N. Y. Published June 1, 1923.

26,307.—*Title:* FT. SMITH MAID. For Batter. MENASHA PRINTING AND CARTON COMPANY, Menasha, Wis., assignor to Ft. Smith Creamery Company, Fort Smith, Ark. Published June 27, 1923.

26,308.—*Title:* EVEREADY "THREE" RADIO BATTERY. For Electric Batteries. NATIONAL CARBON COMPANY, INC., New York, N. Y. Published June 1, 1923.

26,309.—*Title:* ACE HIGH SHAMPOO ALWAYS WINS. For Shampoo. ROLAND I. PADDON, Chicago, Ill. Published July 5, 1923.

26,310.—*Title:* J. M. P. For Cigars. J. M. PRIM, Brunswick, Ga. Published July 10, 1923.

26,311.—*Title:* GOLD MEDAL BRAND. For Pancake Flour. THE RICHARDSON COMPANY, Lockland, Ohio, assignor to France Milling Company, Cobleskill, N. Y., a Corporation of New York. Published March 24, 1923.

26,312.—*Title:* GOLDEN-CRUST. For Bread. ROBERTSON PAPER CO. INC., Bellows Falls, Vt. Published December 21, 1913.

26,313.—*Title:* COMPOSITE REPRODUCTION OF EGYPTIAN ART, XVIII DYNASTY, KING TUT ANKH AMEN GAME. For a Parlor Game. GEORGE W. SHEPPARD, San Francisco, Calif. Published June 1, 1923.

26,314.—*Title:* COMPOSITE REPRODUCTION OF ANCIENT EGYPTIAN ART, EGYPTIAN EXPLORATION, KING KEPERU NEB RA TUT ANKH AMEN PUZZLE GAME. For a Parlor Game. GEORGE W. SHEPPARD, San Francisco, Calif. Published June 1, 1923.

26,315.—*Title:* "SPESTOS" THE CELEBRATED CLEANER. For a Cleaner for Painted Walls, Woodwork, Window Shades, Carpets, Autos, Upholstery, and the Like. THE SPESTOS MFG. CO., Pittsburgh, Pa. Published May 28, 1923.

26,316.—*Title:* "SPESTOS" FURNITURE POLISH. For a Polish for Furniture, Pianos, Woodwork, Floors, Automobiles, and the Like. THE SPESTOS MFG. CO., Pittsburgh, Pa. Published May 28, 1923.

26,317.—*Title:* MASCOT. For Coffee. THOMAS J. WEBB COMPANY, Chicago, Ill. Published May 24, 1923.

26,318.—*Title:* CASALINGS. For Tomato Paste. WESTERN SAUSAGE & PROVISION CO., INC., New York, N. Y. Published May 29, 1923.

PRINTS

REGISTERED AUGUST 7, 1923.

6,847.—*Title:* THE WORLD'S FARE. For Wheat Breakfast Food. CREAM OF WHEAT CO., Minneapolis, Minn. Published July 10, 1923.

6,848.—*Title:* THE AFTER-SHAVE COMFORT AND ENJOYMENT. For A. S. Hinds Co. Honey and Almond Cream. A. S. HINDS CO., Portland, Me. Published June 1, 1923.

6,849.—*Title:* THE POWDER BASE PERFECTION. For Hinds Honey and Almond Cream and Cre-mis Face Powder. A. S. HINDS CO., Portland, Me. Published May 1, 1923.

6,850.—*Title:* KRANK'S HAIR-ROOT-OIL. For a Hair Tonic. ALFRED J. KRANK, St. Paul, Minn. Published June 16, 1923.

6,851.—*Title:* THE HEART OF THE LOCOMOTIVE. For Parts of Locomotive Boilers Known as Thermic Syphons. LOCOMOTIVE FIREBOX COMPANY, Chicago, Ill. Published June 29, 1923.

6,852.—*Title:* NO FIRE CAN EXPAND WITH MINIMAX AT HAND. For Fire Extinguishers. MINIMAX COMPANY, New York, N. Y. Published June 1, 1923.

6,853.—*Title:* MR. I. LUBRICATE. For Lubricating Oils. SHERWOOD PETROLEUM COMPANY, INC., Brooklyn, N. Y. Published May 1, 1923.

6,854.—*Title:* WILLIAMS' HOLDER TOP-DOUBLECAP. For Shaving-Soap Sticks. THE J. B. WILLIAMS COMPANY, Glastonbury, Conn. Published May 5, 1923.

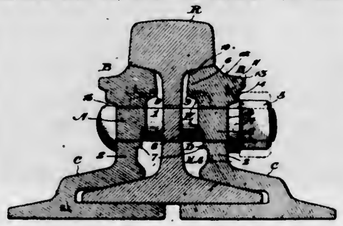
6,855.—*Title:* WILLIAMS' SHAVING CREAM. For Shaving Cream. THE J. B. WILLIAMS COMPANY, Glastonbury, Conn. Published May 5, 1923.

6,856.—*Title:* WILLIAMS' HOLDER TOP. For Shaving-Soap Sticks. THE J. B. WILLIAMS COMPANY, Glastonbury, Conn. Published May 5, 1923.

REISSUES.

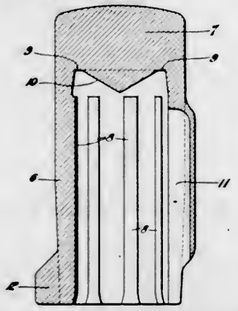
AUGUST 7, 1923.

15,668. SPLICE BAR FOR RAIL JOINTS. BANCROFT G. BRAINE, New York, N. Y., assignor to The Rail York. Filed May 25, 1923. Serial No. 641,495. Original No. 1,276,020, dated Aug. 20, 1918, Serial No. 86,212, filed Mar. 23, 1916. 16 Claims. (Cl. 238—188.)



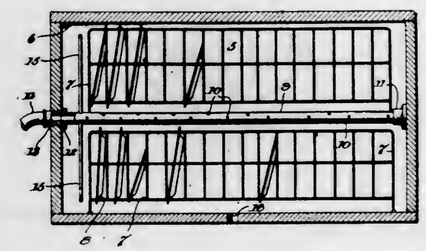
1. A splice bar of uniform section having a step formation at the inner side of its web.

15,669. DRIVING CAP FOR FENCEPOSTS. PERCY J. HINDMARSH, Lincoln, Nebr., assignor to The American Steel and Wire Company of New Jersey, a Corporation of New Jersey, Hoboken, N. J. Filed June 27, 1923. Serial No. 648,150. Original No. 1,444,834, dated Feb. 13, 1923, Serial No. 549,244, filed Apr. 3, 1922. 4 Claims. (Cl. 61—77.)



1. A driving cap for fence posts comprising a driving head, an annular flange extending downwardly from said head forming a hollow body portion adapted to fit over a post, and longitudinally extending ribs projecting inwardly from the inner side face of said flange adapted to engage the side walls of the post.

15,670. DISHWASHING APPARATUS. HARRY ROSENBAUM, New York, N. Y. Filed Jan. 28, 1922. Serial No. 532,510. Original No. 1,386,734, dated Aug. 9, 1921, Serial No. 418,887, filed Oct. 23, 1920. 6 Claims. (Cl. 141—9.)



1. A dish washer comprising, in combination, a dish receptacle, a spray device mounted to rotate upon a horizontal axis within said receptacle and adapted to direct the spray in directions generally transverse to said axis, said spray device being provided with reaction jets for continuous complete rotation of the same whereby the spray is caused to sweep in continuous complete circles about the axis of rotation of said spray device, and a liquid supply connection for said spray device.

DESIGNS.

AUGUST 7, 1923.

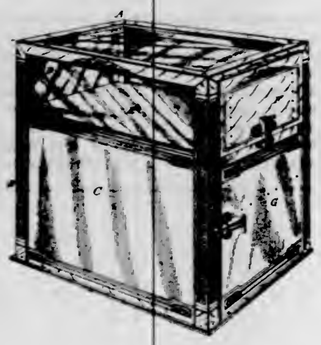
62,811. CANDLE CUP FOR LIGHTING FIXTURES. GEORGE AINSWORTH, Great Neck, N. Y., assignor to Beverly Lights Corporation, Providence, R. I., a Corporation of Rhode Island. Filed Sept. 22, 1922. Serial No. 3,794. Term of patent 14 years.





The ornamental design for a candle cup for lighting fixtures, as shown.

62,812. DISPLAY CASE. HARRY L. BEACH, Coshocton, Ohio. Filed Mar. 2, 1921. Serial No. 449,231. Term of patent 3½ years.



The ornamental design for a display case, substantially as shown and described.

62,813. TEXTILE FABRIC. JOHN S. BOYD and THOMAS F. BOYD, Williamstown, Mass., assignors to John S. Boyd Co. Inc., Williamstown, Mass., a Corporation of Massachusetts. Filed Dec. 12, 1922. Serial No. 4,572. Term of patent 14 years.



The ornamental design for a textile fabric, as shown.

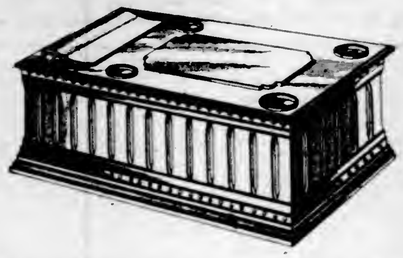
62,814. BADGE. GEORGE E. CORBETT, Brooklyn, N. Y., assignor to J. F. Newman, Inc., New York, N. Y., a Corporation of New York. Filed Sept. 30, 1922. Serial No. 3,857. Term of patent 7 years.





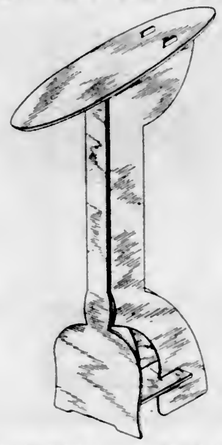
The ornamental design for a badge as shown.

62,815. GRAVE PROTECTOR. LOBE DWIGHT, Kansas City, Kans. Filed Jan. 11, 1922. Serial No. 163. Term of patent 14 years.



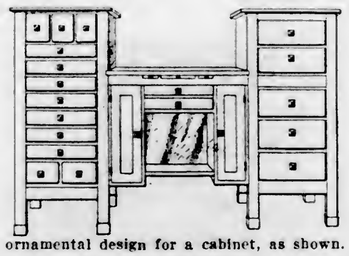
The ornamental design for a grave protector as shown.

62,816. DISPLAY STAND OR SIMILAR ARTICLE. WILLIAM H. FAYLE, Malden, Mass. Filed Oct. 16, 1922. Serial No. 3,988. Term of patent 7 years.



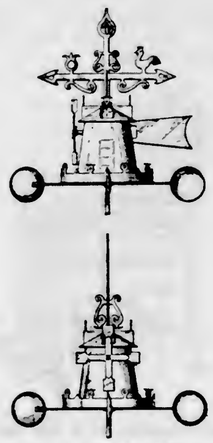
The ornamental design for a display stand or similar article, substantially as shown.

62,817. CABINET. EVERETT E. GRAY, Los Angeles, Calif., assignor to Sophia Pearl Bloomfield, Los Angeles, Calif. Filed Oct. 21, 1922. Serial No. 4,050. Term of patent 14 years.



The ornamental design for a cabinet, as shown.

62,818. WEATHER VANE. ADAM HAAR, Saginaw, Mich. Filed Oct. 14, 1922. Serial No. 3,979. Term of patent 14 years.



The ornamental design for a weather vane, as shown.

62,819. BELT. FERDINAND M. HERZ, New York, N. Y. Filed Mar. 27, 1923. Serial No. 5,614. Term of patent 3½ years.



The ornamental design for a belt as shown.

62,820. FARE TOKEN. PEARL N. JONES, Pittsburgh, Pa., assignor to C. A. Fagan, W. D. George, and S. L. Tone, receivers, Pittsburgh, Pa., a Corporation of Pennsylvania. Filed Nov. 15, 1922. Serial No. 4,298. Term of patent 14 years.



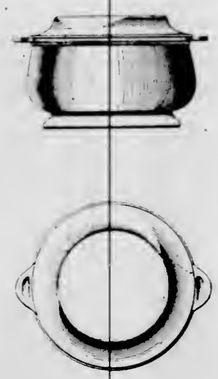
The ornamental design for a fare token, as shown.

62,821. LAMP CHIMNEY OR SIMILAR ARTICLE. FRED KESOT, Marion, Ind. Filed Feb. 20, 1922. Serial No. 787. Term of patent 3½ years.



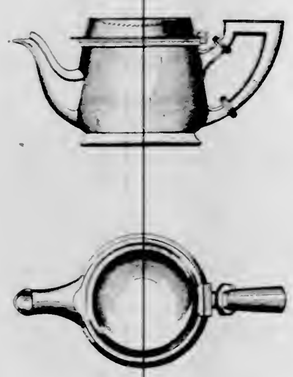
The ornamental design for a lamp chimney or similar article, as shown.

62,822. SOUP TUREEN OR SIMILAR ARTICLE. ROBERT R. KINTZ, Meriden, Conn., assignor to International Silver Company, Meriden, Conn., a Corporation of New Jersey. Filed Oct. 24, 1922. Serial No. 4,076. Term of patent 14 years.



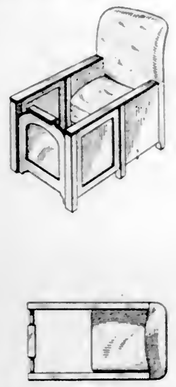
The ornamental design for a soup tureen or similar article as shown.

62,823. TEA OR COFFEE POT OR SIMILAR ARTICLE. ROBERT R. KINTZ, Meriden, Conn., assignor to International Silver Company, Meriden, Conn., a Corporation of New Jersey. Filed Oct. 24, 1922. Serial No. 4,077. Term of patent 14 years.



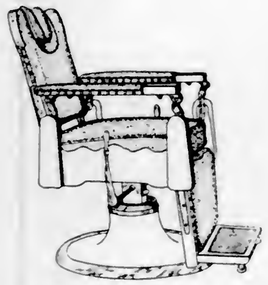
The ornamental design for a tea or coffee pot or similar article as shown.

62,824. CUSTOMER'S WAITING BOOTH. BENJAMIN W. KLEIN, Mount Vernon, N. Y. Filed Oct. 16, 1922. Serial No. 3,992. Term of patent 3½ years.



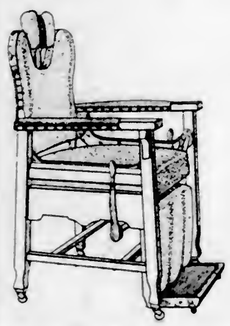
The ornamental design for a customer's waiting booth, as shown.

62,825. HAIR-DRESSING CHAIR. WALTER F. KOKEN, St. Louis, Mo. Filed Oct. 11, 1922. Serial No. 3,936. Term of patent 14 years.



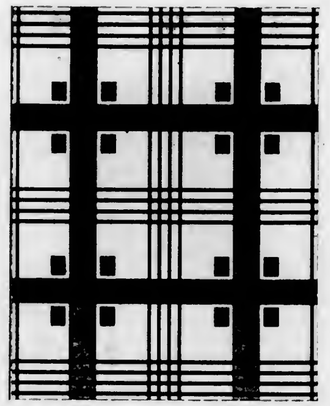
The ornamental design for a hair dressing chair, as shown.

62,826. HAIR-DRESSING CHAIR. WALTER F. KOKEN, St. Louis, Mo. Filed Oct. 11, 1922. Serial No. 3,937. Term of patent 14 years.



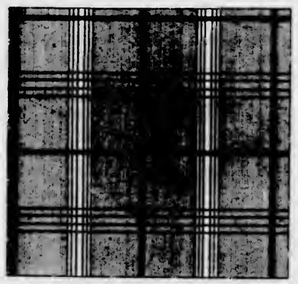
The ornamental design for a hair dressing chair, as shown.

62,827. TEXTILE FABRIC. CHARLES E. LORD, Tarrytown, N. Y. Filed June 14, 1922. Serial No. 2,674. Term of patent 3½ years.



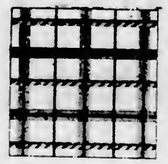
The ornamental design for a textile fabric as shown and described.

62,828. TEXTILE FABRIC. CHARLES E. LORD, Tarrytown, N. Y. Filed June 15, 1922. Serial No. 2,695. Term of patent 3½ years.



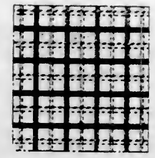
The ornamental design for textile fabric as shown and described.

62,829. TEXTILE FABRIC. CHARLES E. LORD, Tarrytown, N. Y. Filed June 22, 1922. Serial No. 2,774. Term of patent 3½ years.



The ornamental design for textile fabric as shown and described.

62,830. TEXTILE FABRIC. CHARLES E. LORD, Tarrytown, N. Y. Filed June 22, 1922. Serial No. 2,775. Term of patent 3½ years.



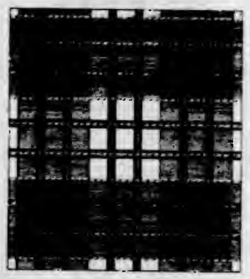
The ornamental design for textile fabric as shown and described.

62,831. TEXTILE FABRIC. CHARLES E. LORD, Tarrytown, N. Y. Filed June 22, 1922. Serial No. 2,776. Term of patent 3½ years.



The ornamental design for a textile fabric as shown and described.

62,832. TEXTILE FABRIC. CHARLES E. LORD, Tarrytown, N. Y. Filed June 26, 1922. Serial No. 2,822. Term of patent 3½ years.



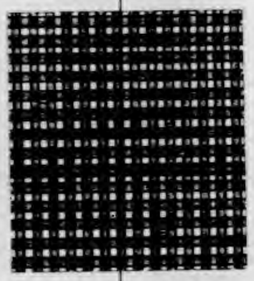
The ornamental design for textile fabric, as shown and described.

62,833. TEXTILE FABRIC. CHARLES E. LORD, Tarrytown, N. Y. Filed June 29, 1922. Serial No. 2,887. Term of patent 3½ years.



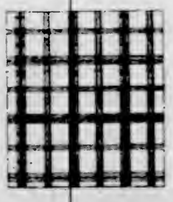
The ornamental design for a textile fabric as shown and described

62,834. TEXTILE FABRIC. CHARLES E. LORD, Tarrytown, N. Y. Filed July 8, 1922. Serial No. 3,006. Term of patent 3½ years.



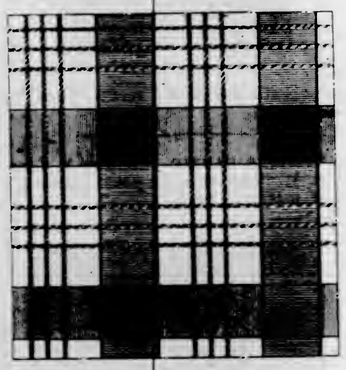
The ornamental design for a textile fabric as shown and described.

62,835. TEXTILE FABRIC. CHARLES E. LORD, Tarrytown, N. Y. Filed July 8, 1922. Serial No. 3,007. Term of patent 3½ years.



The ornamental design for a textile fabric as shown and described.

62,836. TEXTILE FABRIC. CHARLES E. LORD, Tarrytown, N. Y. Filed July 13, 1922. Serial No. 3,059. Term of patent 3½ years.



The ornamental design for a textile fabric as shown and described.

62,837. TEXTILE FABRIC. CHARLES E. LORD, Tarrytown, N. Y. Filed July 13, 1922. Serial No. 3,061. Term of patent 3½ years.



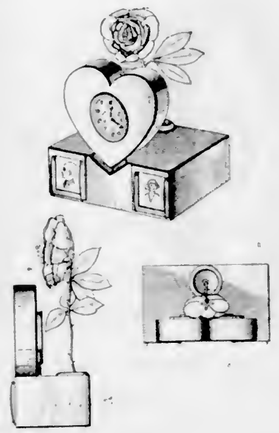
The ornamental design for a textile fabric as shown and described.

62,838. GOBLET OR SIMILAR ARTICLE. BUREL MCCRACKEN and CELESTER PIROTT, Mount Pleasant, Pa., assignors to Bryce Brothers Company, Mount Pleasant, Pa., a Corporation of Pennsylvania. Filed May 3, 1922. Serial No. 2,053. Term of patent 14 years.



The ornamental design for a goblet or similar article as shown.

62,839. CLOCK CASE. JOHN H. MCDANIEL, St. Louis, Mo. Filed Feb. 26, 1923. Serial No. 5,258. Term of patent 3½ years.



The ornamental design for a clock case, as shown.

62,840. LAMP COVER FOR LIGHTING FIXTURES. GLENN E. MCFADDEN, Lakewood, Ohio, assignor to Alfred Vester Sons, Inc., Providence, R. I., a Corporation of Rhode Island. Filed Oct. 14, 1922. Serial No. 3,967. Term of patent 14 years.



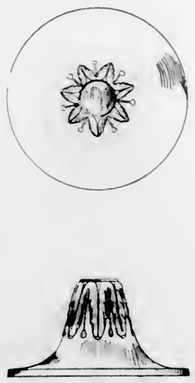
The ornamental design for a lamp cover for lighting fixtures, as shown.

62,841. PLATE FOR LIGHTING FIXTURES. GLENN E. MCFADDEN, Lakewood, Ohio, assignor to Alfred Vester Sons, Inc., Providence, R. I., a Corporation of Rhode Island. Filed Oct. 14, 1922. Serial No. 3,969. Term of patent 14 years.



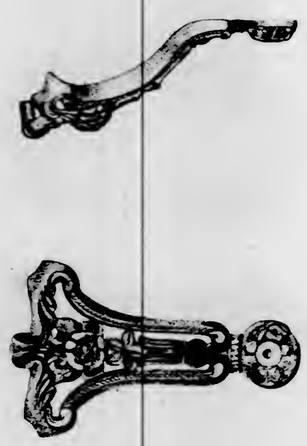
The ornamental design for a plate for lighting fixtures, as shown.

62,842. TOP FOR LAMP COVERS FOR LIGHTING FIXTURES. GLENN E. MCFADDEN, Lakewood, Ohio, assignor to Alfred Vester Sons, Inc., Providence, R. I., a Corporation of Rhode Island. Filed Oct. 14, 1922. Serial No. 3,970. Term of patent 14 years.



The ornamental design for a top for lamp cover for lighting fixtures, as shown.

62,843. ARM FOR LIGHTING FIXTURES. GLENN E. MCFADDEN, Lakewood, Ohio, assignor to Alfred Vester Sons, Inc., Providence, R. I., a Corporation of Rhode Island. Filed Oct. 14, 1922. Serial No. 3,971. Term of patent 14 years.



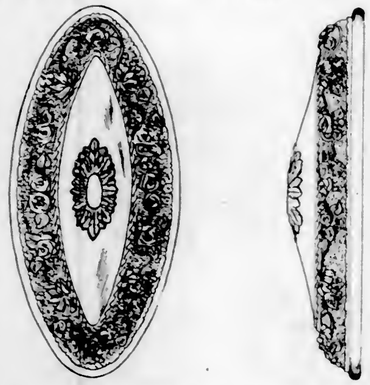
The ornamental design for an arm for lighting fixtures, as shown.

62,844. TOP FOR LAMP COVER FOR LIGHTING FIXTURES. GLENN E. MCFADDEN, Lakewood, Ohio, assignor to Alfred Vester Sons, Inc., Providence, R. I., a Corporation of Rhode Island. Filed Oct. 14, 1922. Serial No. 3,972. Term of patent 14 years.



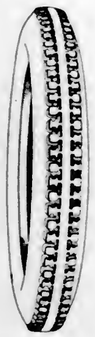
The ornamental design for a top for lamp cover for lighting fixtures.

62,845. OVAL PLATE FOR LIGHTING FIXTURES. GLENN E. MCFADDEN, Lakewood, Ohio, assignor to Alfred Vester Sons, Inc., Providence, R. I., a Corporation of Rhode Island. Filed Oct. 14, 1922. Serial No. 3,974. Term of patent 14 years.



The ornamental design for an oval plate for lighting fixtures, as shown.

62,846. AUTOMOBILE TIRE. CHARLES W. MCKONE, Millersburg, Ohio, assignor to The McKone Tire & Rubber Company, Millersburg, Ohio, a Corporation of Ohio. Filed Nov. 29, 1921. Serial No. 518,700. Term of patent 14 years.



The ornamental design for an automobile tire, substantially as shown.

62,847. BELT BUCKLE. WILLIAM J. MORSE, Attleboro, Mass. Filed Sept. 11, 1922. Serial No. 3,685. Term of patent 3½ years.





The ornamental design for a belt buckle as shown.

62,848. BELT BUCKLE. WILLIAM J. MORSE, Attleboro, Mass. Filed Sept. 11, 1922. Serial No. 3,686. Term of patent 3½ years.



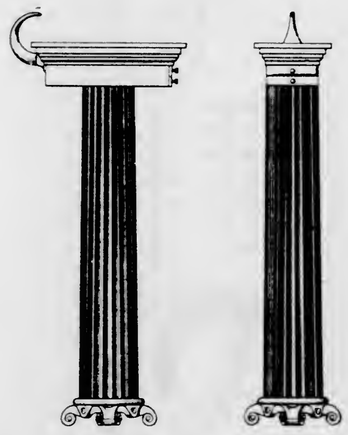
The ornamental design for a belt buckle as shown.

62,849. BELT BUCKLE. WILLIAM J. MORSE, Attleboro, Mass. Filed Sept. 11, 1922. Serial No. 3,687. Term of patent 3½ years.



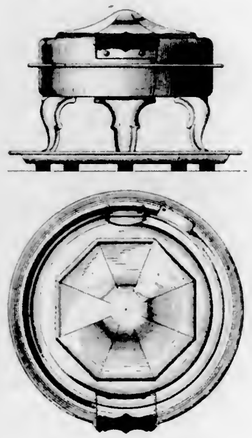
The ornamental design for a belt buckle as shown.

62,850. DENTAL FOUNTAIN CUSPIDOR. ABRAHAM PFLANTZER, New York, N. Y. Filed Feb. 20, 1923. Serial No. 5,219. Term of patent 14 years.



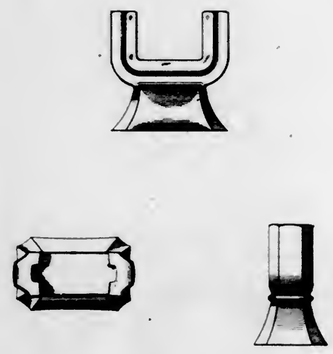
The ornamental design for a dental fountain cuspidor, as shown.

62,851. WAFFLE IRON OR SIMILAR ARTICLE. GEORGE E. SAVAGE, Meriden, Conn., assignor to Manning, Bowman & Company, Meriden, Conn., a Corporation of Connecticut. Filed Oct. 21, 1922. Serial No. 4,052. Term of patent 7 years.



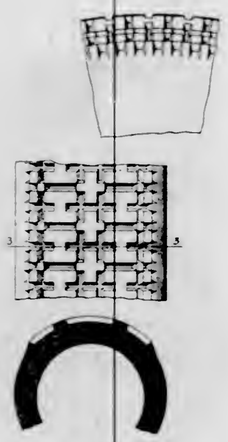
The ornamental design for a waffle iron or similar article as shown.

62,852. MATCH-BOX HOLDER. ARTHUR SCHILLER, Chicago, Ill. Filed May 24, 1922. Serial No. 2,407. Term of patent 3½ years.



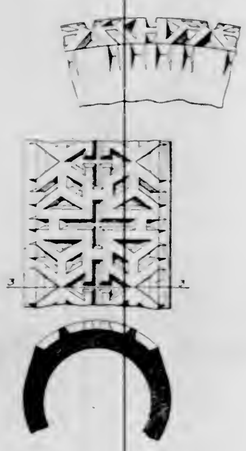
The ornamental design for a match box holder, as shown.

62,853. TIRE. ALFRED K. SIMMONS, Faribault, Minn., assignor of thirty-five one-hundredths to Gus N Boosalis and fifteen one-hundredths to Lucius A. Smith, both of Faribault, Minn. Filed Sept. 11, 1922. Serial No. 3,692. Term of patent 7 years.



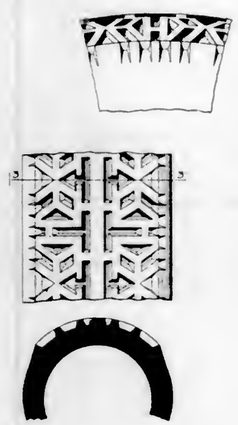
The ornamental design for a tire, as shown.

62,854. TIRE. ALFRED K. SIMMONS, Faribault, Minn., assignor of thirty-five one-hundredths to Gus N Boosalis and fifteen one-hundredths to Lucius A. Smith, both of Faribault, Minn. Filed Sept. 11, 1922. Serial No. 3,693. Term of patent 7 years.



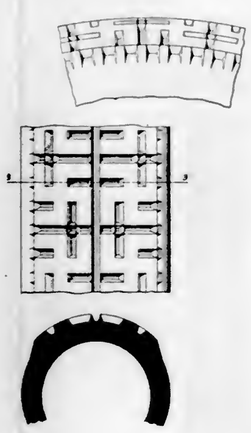
The ornamental design for a tire, as shown.

62,855. TIRE. ALFRED K. SIMMONS, Faribault, Minn., assignor of thirty-five one-hundredths to Gus N. Boosalis and fifteen one-hundredths to Lucius A. Smith, both of Faribault, Minn. Filed Sept. 11, 1922. Serial No. 3,694. Term of patent 7 years.



The ornamental design for a tire, as shown.

62,856. TIRE. ALFRED K. SIMMONS, Faribault, Minn., assignor of thirty-five one-hundredths to Gus N. Boosalis and fifteen one-hundredths to Lucius A. Smith, both of Faribault, Minn. Filed Sept. 11, 1922. Serial No. 3,695. Term of patent 7 years.



The ornamental design for a tire, as shown

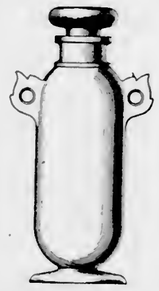
62,857. SHOW-CASE LAMP. FRANK J. VAN DOREN, Los Angeles, Calif., assignor to Wagner Woodruff Co., a Corporation of California. Filed July 17, 1922. Serial No. 3,106. Term of patent 3½ years.



The ornamental design for a show case lamp, as shown.

62,858. PERFUME BOTTLE. CARL WEEKS, Des Moines, Iowa. Filed June 5, 1922. Serial No. 2,533. Term of patent 14 years.





The ornamental design for a perfume bottle, as shown.

62,859. RING. THOMAS HENRY CLARKE, Newark, N. J., assignor to Shirley Manufacturing Co., Shreveport, La., a Firm consisting of Meyer A. Freedman and David Mendelsohn. Filed Jan. 4, 1923. Serial No. 4,809. Term of patent 7 years.



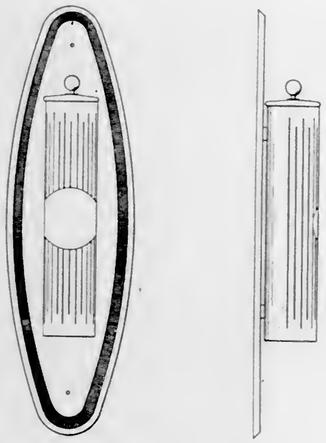
The ornamental design for a ring, substantially as shown.

62,860. HEADDRESS FOR A DOLL. ABE CORENSON, Los Angeles, Calif. Filed Apr. 24, 1923. Serial No. 5,924. Term of patent 3½ years.



The ornamental design for a headdress for a doll, as shown.

62,861. DEODORIZING AND DISINFECTING CASE OR CONTAINER. CALVIN J. SHIMER, Fort Wayne, Ind. Filed Nov. 7, 1921. Serial No. 513,595. Term of patent 7 years.



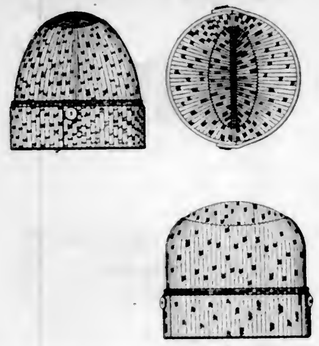
The ornamental design for a deodorizing and disinfecting case or container as shown.

62,862. RIBBON, TEXTILE FABRIC, OR ARTICLE OF SIMILAR NATURE. EMIL SPECK, Paterson, N. J., assignor to The Taylor-Friedsam Company, a Corporation of New Jersey. Filed Nov. 14, 1922. Serial No. 4,288. Term of patent 3½ years.



The ornamental design for a ribbon, textile fabric, or article of similar nature as shown.

62,863. KNIT CAP. ISAAC G. STRAUSS, Milwaukee, Wis. Filed Feb. 27, 1922. Serial No. 908. Term of patent 7 years.

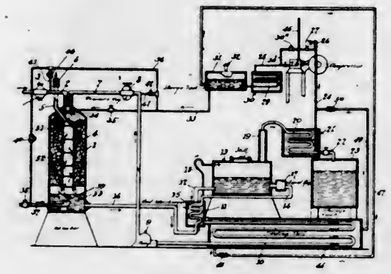


The ornamental design for a knit cap, as shown.

PATENTS

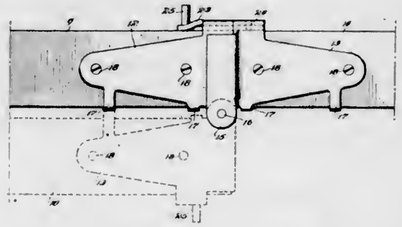
GRANTED AUGUST 7, 1923.

1,463,782. PROCESS OF RECOVERING CONDENSABLE VAPORS FROM GASES. HARRY H. ARMSTRONG, Los Angeles, Calif., assignor to The Armstrong Company, Los Angeles, Calif., a Corporation of California. Filed July 14, 1919. Serial No. 310,756. 12 Claims. (Cl. 196—25.)



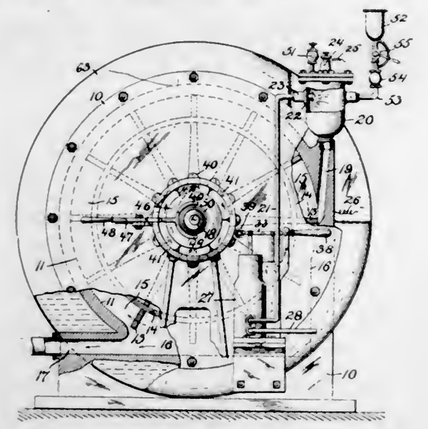
2. The process of recovering condensable vapors from gases, which consists in reinforcing the gases containing the vapors with a low boiling point liquid gas, expanding the gases thus reinforced in the presence of an absorbent medium, separating the low boiling point liquid gas and condensable vapors from the absorbent medium, and separating the low boiling point liquid gas from the condensable vapors.

1,463,783. HINGE FOR CURTAIN STRETCHERS. NAPOLEON B. ALLEN, New Hyde Park, N. Y. Filed Mar. 14, 1922. Serial No. 543,736. 2 Claims. (Cl. 16—146.)



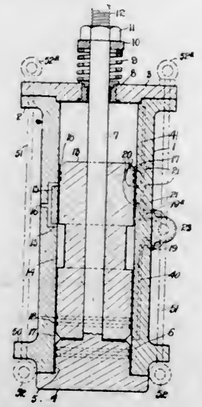
1. An article as characterized comprising a plurality of hinge butts pivotally connected at approximately the termination of the meeting edges of said butts and having abutment members adjacent the opposite extremity of said meeting edges, said abutment members being extended from said butts in approximately perpendicular relation thereto; a latch pivotally mounted on one of said abutments for engaging the other of said abutments to draw said abutments together; and a plurality of liner brackets extending from the edge of said butts in substantially perpendicular relation thereto, said liner brackets being relatively disposed in lines perpendicular to the meeting edges of said butts.

1,463,784. ROTARY INTERNAL-COMBUSTION ENGINE. GUSTAV BAUMANN, Rahway, and JOSEPH HOPTA, Avenel, N. J. Filed Mar. 16, 1921. Serial No. 452,748. 3 Claims. (Cl. 60—41.)



1. A rotary internal combustion engine comprising a casing, a rotor in the casing, an explosion chamber with a passage to direct exploded mixture to the rotor, a shaft on which the rotor is mounted, a pump for injecting fuel into the explosion chamber, a disk with tappets for actuating the pump, and means for withdrawing selected tappets from the actuating positions.

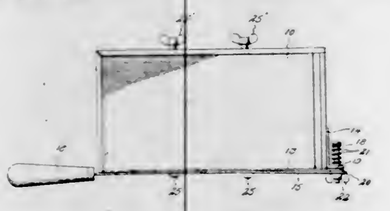
1,463,785. PISTON-CONTROL MECHANISM. RICHARD HENRY ANNISON, London, England. Filed June 23, 1920. Serial No. 391,199. 2 Claims. (Cl. 121—12.) (Granted under the provisions of the act of Mar. 3, 1921, 41 Stat. L., 1313.)



1. Apparatus for controlling the movement of pistons for operating pile drivers, pile extractors, hammers, and the like apparatus, comprising a cylinder, passages in

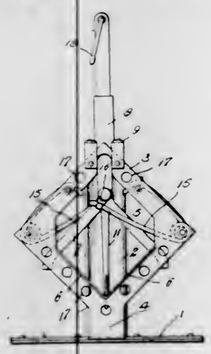
said cylinder communicating with a valve chamber, a plurality of separately closable ports arranged longitudinally of said cylinder and communicating with one of said passages, a piston or monkey reciprocating within said cylinder, at least one annular chamber, in the periphery of said piston cooperating with said ports, a valve rotatably mounted in said valve chamber, discs on the ends of said valve, peripheral pockets disposed in opposite directions in each of said discs against which operating fluid is directed through passages in said cylinder, and transverse ports in said valve through which the operating fluid is alternately admitted to and emitted from opposite ends of said cylinder.

1,463,786. COMBINED PAPER CUTTER AND LETTER OPENER. ROBERT L. BALDWIN, Canon City, Colo. Filed Jan. 27, 1922. Serial No. 532,299. 3 Claims. (Cl. 164—44.)



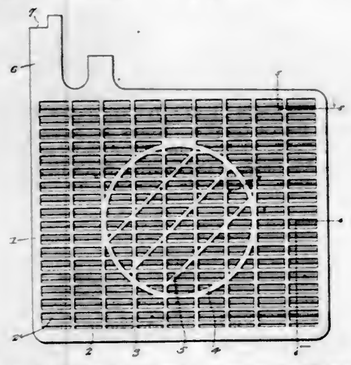
1. A device of the character described comprising a base, a shear bar secured upon one edge of said base, a cutting blade pivoted at one end with respect to the base and cooperating with said shear bar, a pair of supporting rods extending transversely of the base at the underside thereof, handles on said rods whereby to effect partial rotation thereof, and gage fingers carried by the other end of said rods and adapted to extend above the upper surface of the base in engagement with the outer surface of the shear bar, said rods being rotatable whereby to bring said gage fingers into position lying along the shear bar in non-obstructing relation to paper placed upon the top of the base.

1,463,787. ANIMAL TRAP. ROBERT L. BALDWIN, Canon City, Colo. Filed Mar. 21, 1922. Serial No. 545,463. 5 Claims. (Cl. 43—85.)



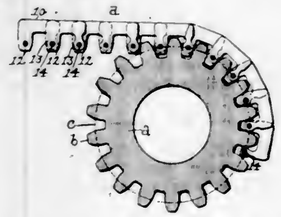
1. A trap of the class described comprising a base, a stationary jaw member comprising a plate having an opening therein, a movable jaw member comprising a stem having a forked end, the forked part cooperating with the stationary jaw, spring means for actuating the movable jaw and trigger mechanism for the said jaw including a bait supporting member arranged to force the animal to pass its head through the stationary jaw in order to reach the bait.

1,463,788. STORAGE-BATTERY PLATE. JOHN BARNA, New London, Conn. Filed Jan. 6, 1923. Serial No. 611,190. 3 Claims. (Cl. 204—29.)



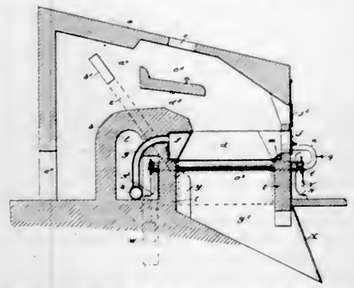
3. A grid plate for a battery comprising a frame, horizontal ribs of half the thickness of the frame with their inner edges in alignment, the ribs on one side being alternately arranged with respect to the ribs on the other side and the inner edges of said ribs being rounded, vertical ribs, a circular rib in the middle of the plate, inclined bracing ribs in the circular rib and a stepped terminal for the plate.

1,463,789. GEAR CHAIN. EDWARD I. BRADDOCK, Winchester, Mass. Filed May 22, 1920. Serial No. 383,460. 2 Claims. (Cl. 74—32.)



1. As an improved article of manufacture, a gear chain composed of links having gear teeth and arms smaller than said gear teeth, with the gear tooth of one link pivotally connected with the smaller arm of an adjacent link substantially on the pitch line of said gear tooth.

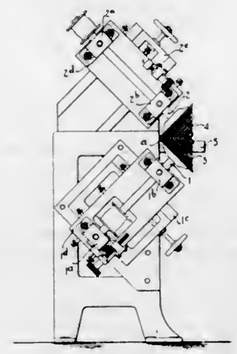
1,463,790. REFUSE-DESTRUCTOR FURNACE. ADOLPHE BRÉCHOT, Paris, France. Filed Sept. 30, 1919. Serial No. 327,492. 2 Claims. (Cl. 110—8.)



1. An incinerating furnace comprising in combination, a block of masonry in which is formed a chamber, holes in said masonry for charging and discharging purposes, a

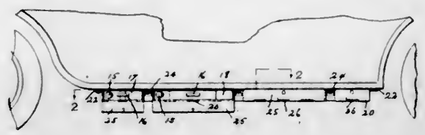
drying bridge in the interior of the chamber to receive the material to be incinerated which are tipped through the charging hole, a combustion chamber situated beneath the bridge and having inclined walls in the form of a hopper, a grate, the sides of which are formed by a metal box through which air is circulated, the inner walls of said box inclining outwardly from top to bottom, said grate having hollow panel members pivotally mounted in the lower part of the combustion chamber, means for rocking said grate members, means for feeding air into the furnace through the grate members, a lower chamber under the grate for collecting the residues of the combustion, and pipes connecting the lower chamber with the combustion chamber for enabling the heat evolved from the residues of the combustion to be utilized.

1,463,791. ANGLE-LATH-CUTTING MACHINE. FRANCISCUS JOSEPHUS BREKELMANS, Eindhoven, Netherlands, assignor to Van Dyck Stumpers, Eindhoven, Netherlands, a Dutch Firm of the Netherlands. Filed Sept. 14, 1922. Serial No. 588,250. 1 Claim. (Cl. 143—38.)



In a machine for cutting angle laths, two crossed saw arbors each carrying a nest of circular saws the circumferences of which lie on a conical surface, said arbors being adjustable in such a manner that corresponding saws in both nests have a common tangent in the direction of feed of the work-piece.

1,463,792. RESERVE CARRIER FOR AUTOMOBILES. ARVID BRODIN, Los Angeles, Calif. Filed July 24, 1922. Serial No. 577,071. 4 Claims. (Cl. 224—29.)



1. In combination with a plurality of liquid receptacles; a carrier therefor comprising a plurality of edge-opening pockets shaped in correspondence with said receptacles and in correspondence with the supporting structure for the running board of an automobile to be permanently engaged thereby in service; and means for engaging said supporting structure of said running board, said means embodying the top of said container between said pockets, said top being adapted for introduction between the running board and the brackets supporting said running board.

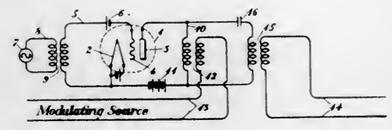
1,463,793. MANUFACTURE OF ARTIFICIAL SILK. EMILE BRONNERT, Mulhouse, France. Filed Aug. 25, 1921. Serial No. 495,345. 2 Claims. (Cl. 18—54.)

1. A process of manufacturing very fine threads from viscose, which comprises regulating the rate of flow of the viscose from the forming nozle, regulating the concentration of the acid hardening bath in accordance with the thread diameter desired, by increasing the strength of the acid according to the fineness of the threads, the strength of said bath being maintained by an aqueous solution of a like acid containing decomposed viscose.

1,463,794. ACCELERATION OF VULCANIZATION AND PRODUCTS OBTAINED THEREBY. SIDNEY M. CADWELL, Leonia, N. J., assignor to The Naugatuck Chemical Company, a Corporation of Connecticut. Filed July 13, 1922. Serial No. 574,797. 25 Claims. (Cl. 18—53.)

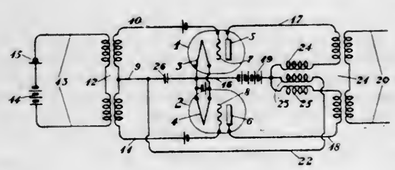
1. A process for treating rubber or similar material which comprises combining with rubber a vulcanizing agent, a metal M, carbon disulphide and an amine having a replaceable ammoniacal hydrogen, the carbon disulphide and amine being combined with the rubber as separate materials, with respect to one another, and vulcanizing the rubber.

1,463,795. TRANSLATING CIRCUIT. JOHN R. CARSON, New York, N. Y., assignor to American Telephone and Telegraph Company, a Corporation of New York. Filed Oct. 10, 1918. Serial No. 257,653. 20 Claims. (Cl. 179—171.)



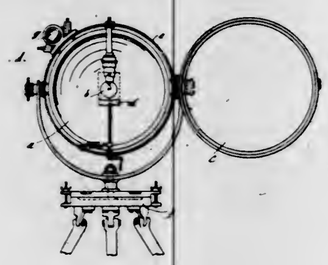
1. In a signaling system, a translating device, input and output circuits therefor, a source of unmodulated oscillations associated with the said input circuit, a transformer in said output circuit, a source of variable oscillations inductively associated with said output circuit through said transformer, and an outgoing circuit associated with said translating device.

1,463,796. TRANSLATING CIRCUIT. JOHN R. CARSON, New York, N. Y., assignor to American Telephone and Telegraph Company, a Corporation of New York. Filed Oct. 10, 1918. Serial No. 257,656. 7 Claims. (Cl. 179—171.)



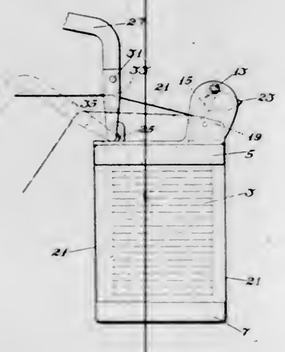
1. In a signaling system an oscillating vacuum tube arrangement, means normally preventing the generation of oscillations by said arrangement, and means responsive to modulating signal waves for setting up oscillations the amplitude of which is at all times substantially proportional to that of the controlling waves.

1,463,797. OPTICAL TELEGRAPHY. LEON ALBERT CHARBONNEAU, Laeken, Brussels, Belgium. Filed July 9, 1920. Serial No. 395,033. 5 Claims. (Cl. 250—1.) (Granted under the provisions of the act of Mar. 3, 1921, 41 Stat. L., 1313.)



1. A signalling apparatus consisting of means for emitting and directing signals composed of infra-red rays and means for receiving said signals consisting of a phosphorescent substance the luminosity of which is extinguished by the action of the infra-red rays.

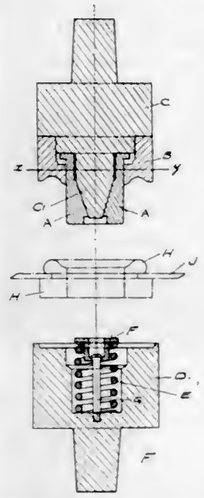
1,463,798. PRESS. BURTON N. CLARY, Beverly, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J., a Corporation of New Jersey. Filed Feb. 18, 1918. Serial No. 217,858. 2 Claims. (Cl. 100—15.)



2. A press for applying pressure to a flat pile of blanks having, in combination, flat supports for engaging the ends of the pile, a self-sustaining flexible member connected to one support and passed about the other support and then back to the first, a lever arranged to be fulcrumed on said first support and having an intermittent grip device arranged either to grip or to permit the passage of said flexible member, and a one way catch mounted on said first support and provided with a face extending in the direction of said intermittent grip device to direct said flexible member thereto.

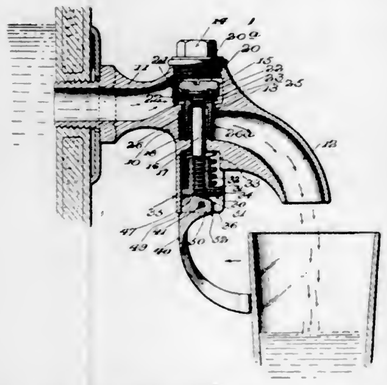
1,463,799. MEANS FOR ATTACHING BUSHES OR SOCKETS TO PLATELIKE BODIES BY FLANGING. JAMES BARR COCKBURN, Falkirk, Scotland. Filed Apr. 28, 1921. Serial No. 465,327. 2 Claims. (Cl. 78—63.)

1. A diametrically expansible mandrel, a die by which said mandrel is carried, a body to which the die is secured, and having means, active during a working stroke of the die, to expand the mandrel, a counter die, and a



spring therein, arranged to coact with said expanding means during a working stroke of the die.

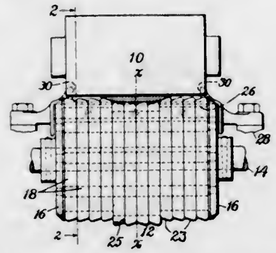
1,463,800. FAUCET. THOMAS COONAN, Washington, D. C. Filed Dec. 22, 1921. Serial No. 524,203. 5 Claims. (Cl. 251-116.)



1. A faucet comprising a body portion having an inlet end and a delivery end and a ported partition separating said ends, said ported partition having a valve seat, a valve cooperable with said valve seat and having a valve stem extending exteriorly of said body portion, a follower having threaded connection with said valve stem exteriorly of said faucet, a housing carried by the faucet and slidably receiving said follower, a coil spring engageable with said follower for urging said valve to closed position, and operating means for said valve including an operating lever having diverging operating arms, a cam head including a flat surface engageable with the follower when the valve is in closed position, and a camming surface comprising a rounded corner engageable with said follower for urging said valve to open position, stop lugs carried by the operating lever

and engageable with the housing for limiting the opening movement of said valve by said corner, said cam head also having a forwardly projecting nose having a camming surface, said nose having a flat seat engageable with the follower for maintaining the valve open when said lever is moved in one direction.

1,463,801. COATING APPARATUS. JOHN W. COSGROVE, Medford, and GIDEON J. JULIAN, Beverly, Mass., assignors to United Shoe Machinery Corporation, Paterson, N. J., a Corporation of New Jersey. Filed Nov. 17, 1919. Serial No. 338,510. 24 Claims. (Cl. 91—49.)

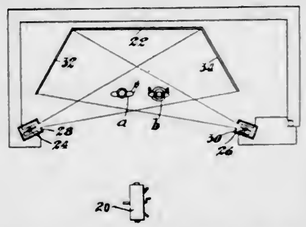


1. In a coating apparatus, a member having an applying surface over which the work is advanced, and a co-operating pressure member having a surface for contact with the work, one of said surfaces being inclined transversely to the direction of travel of the work and including relatively movable sections.

9. In a coating apparatus, a member having an applying surface, and a work-support having portions independent of each other inclined oppositely.

10. In an apparatus for coating material having oppositely inclined edges, an applying member, and a co-operating pressure member, one of said members having relatively movable contact surfaces generally corresponding in inclination to the edges of the material.

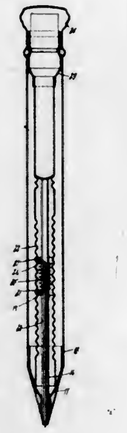
1,463,802. METHOD OF PREPARING FILMS FOR KINETOSCOPES. JAMES SEARLE DAWLEY, New York, N. Y. Filed Sept. 8, 1919. Serial No. 322,461. 6 Claims. (Cl. 88—16.)



1. That method of making positive films for use in moving picture projection apparatus which consists in brilliantly illuminating a positive from the back, photographing the positive repeatedly upon a film, rewinding the film, and again exposing the film to brilliantly illuminated living and moving objects in white against a substantially unilluminated black background.

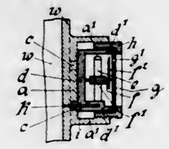
1,463,803. PENCIL WITH ADJUSTABLE LEAD. WILLIAM P. DE WITT, Somerville, Mass. Filed June 15, 1922. Serial No. 568,469. 6 Claims. (Cl. 120—18.)

4. A pencil having, in combination, a casing, a stationary guide tube within said casing, a tubular lead holder adapted to receive a lead and slidable longitudinally within said guide tube, a projection on said lead holder extending into the bore thereof and adapted to cut a longitudinal groove in said lead when it is inserted in said holder, means adapted to impart a longitudinal



movement to said lead holder, a push rod slidable within said lead holder and means to impart a longitudinal movement to said push rod.

1,463,804. PRESSURE-GAUGE CONNECTION. ALEXANDER BERNHARD DRÄGER, Lubeck, Germany. Filed June 9, 1921. Serial No. 476,234. 4 Claims. (Cl. 73—31.)

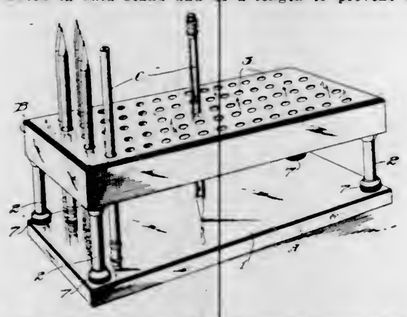


1. The combination of a receptacle having a seat upon its outer surface provided with an eccentrically located aperture communicating with the interior of said receptacle and terminating at the outer face of said seat, a gauge including a casing having an integral end wall in surface engagement with said seat and provided with an eccentrically located aperture in registry with the aperture of said seat and communicating with the operating mechanism of said gauge, means whereby said apertures are maintained in registry with each other, and means whereby said gauge is clamped against said seat.

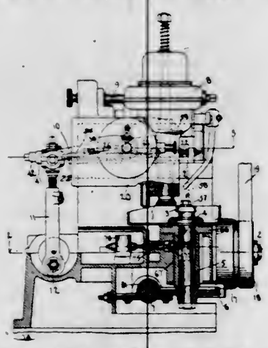
1,463,805. DISPLAY STAND FOR PENCILS OR THE LIKE. LOTHAR W. FABER, New York, N. Y., assignor to Eberhard Faber Pencil Company, a Corporation of New York. Filed June 27, 1922. Serial No. 571,236. 3 Claims. (Cl. 211—14.)

1. A display stand of the character described, including a base, a block forming a top piece, supporting means to hold the base and top pieces in open spaced relation, said top piece being provided with a transverse open-

ing of a diameter to freely receive an article to be mounted in said stand and of a length to prevent tilting of said article therein, said opening being adapted to receive an article and support the same with one end thereof resting on the base.

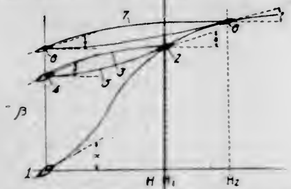


1,463,806. HIGH-SPEED GEAR-GENERATING MACHINE. EDWIN R. FELLOWS, Springfield, Vt., assignor to The Fellows Gear Shaper Company, Springfield, Vt., a Corporation of Vermont. Filed Sept. 30, 1921. Serial No. 504,437. 17 Claims. (Cl. 90—9.)



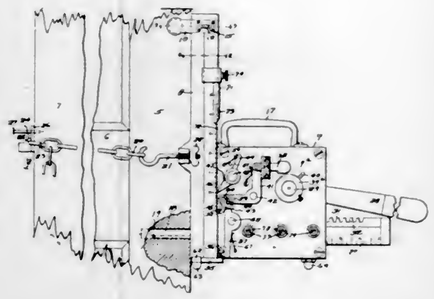
5. A gear-generating machine, including, in combination with a cutter spindle and a work spindle, a sliding carriage by which one of the members constituted by the cutter spindle and work holder is moved for adjustment and depth feed, a feed cam, a bar movable approximately in parallel with the carriage adapted to receive movement from said cam, and complemental driving and adjusting means arranged on the carriage and bar respectively, by which the former is adjusted relatively to the bar.

1,463,807. TREATMENT OF MAGNETIC MATERIALS. WILLIAM FONDILLER, New York, N. Y., assignor to Western Electric Company, Incorporated, New York, N. Y., a Corporation of New York. Filed Sept. 3, 1920. Serial No. 408,113. 2 Claims. (Cl. 178—45.)



1. The method of adjusting the permeability of magnetic materials to signaling currents to a desired degree, which consists in producing in said magnetic material the saturation value of residual magnetism and then subjecting said magnetic material to a cyclic demagnetization utilizing a current of predetermined amplitude.

1,463,808. PORTABLE MORTISER. JAMES HARVEY FRENCH, EDWIN JAMES FRENCH, and WILLIAM BERNARD FRENCH, Defiance, Ohio, assignors of one-half to said Edwin James French, one-fourth to said William Bernard French, and one-fourth to said James Harvey French. Filed July 17, 1922. Serial No. 575,685. 6 Claims. (Cl. 144—76.)



1. The combination with a door mortising machine adapted to fit flat against the front edge of a door, of a saddle plate adapted to rest flat against the rear edge of the door, a pivoted U shaped yoke carried by the saddle plate and having hooked terminal ends, chains engageable with said hooked terminal ends and means for engaging the other ends of the chains with the door mortising machine and for exerting a drawing action thereon.

1,463,809. METALLIC BRUSH CLEANER. JOSEPH FRITZ, San Francisco, Calif. Filed Mar. 30, 1922. Serial No. 548,266. 4 Claims. (Cl. 15—42.)

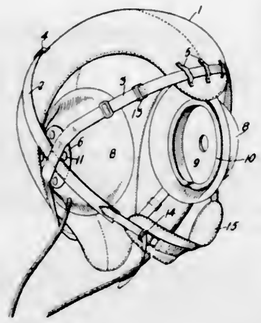


1. A device of the character described comprising a handle having a plurality of teeth projecting from the side edge thereof adjacent one end, said teeth being curved laterally beyond the plane of the handle.

1,463,810. HEAD SET. ALBERT F. F. GILSON, Norwood, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y., a Corporation of New York. Filed Dec. 26, 1919. Serial No. 347,517. 4 Claims. (Cl. 179—156.)

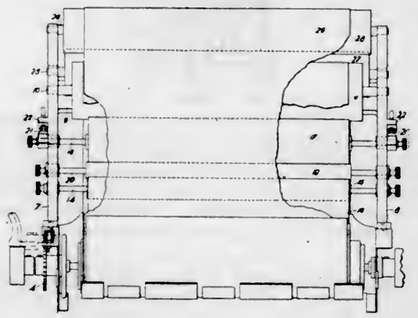
1. In a telephone head set, a leather skull cap, a woven elastic head harness adjustably associated therewith, means for supporting a pair of receivers consisting of an outer leather cap and an inner sponge rubber

member, fastening means consisting of two part snap fasteners secured symmetrically on two seat members,



one of which members is integrally associated with said supporting means, the other of which members is integrally associated with said head harness.

1,463,811. TYPEWRITING MACHINE. EDWIN MARC FRANCOIS GUIGNARD, Shanghai, China, assignor to Underwood Typewriter Company, New York, N. Y., a Corporation of Delaware. Filed Oct. 15, 1918. Serial No. 258,207. 8 Claims. (Cl. 197—126.)



1. In a device of the class described, the combination with a movable carriage having a revoluble platen mounted therein, of a frame mounted on said carriage, means on the frame for supporting a web extending about said platen and the ends of which are formed into a supply-roll and a winding roll, and means driven by the web-surface of the supply-roll and adapted to drive the winding roll by its web-surface to enable the drawing on the web to rotate the winding roll.

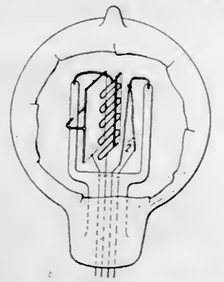
1,463,812. DRIVING BELT AND THE LIKE. HENRI GUILLOU, Montrouge, France. Filed Jan. 18, 1921. Serial No. 438,193. 2 Claims. (Cl. 74—63.)

1. A driving belt, comprising, in combination, an external band of traction resisting material, provided at its inner side with a plurality of longitudinally extending grooves, a plurality of internal longitudinal bands of uniform thickness secured to the inner side of the traction band between said grooves, said internal bands being formed of an adhesive, slightly supple and rough material, and metallic fasteners securing the internal bands to the



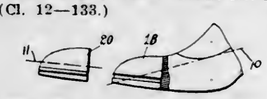
external band, said fasteners being countersunk within the internal bands whereby a local depression is formed by each of said fasteners on the inner side of the belt.

1,463,813. ELECTRON-EMITTING CATHODE AND PROCESS OF MANUFACTURING THE SAME. JONATHAN W. HARRIS, Montclair, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y., a Corporation of New York. Filed Dec. 29, 1916. Serial No. 139,532. 5 Claims. (Cl. 250—27.)



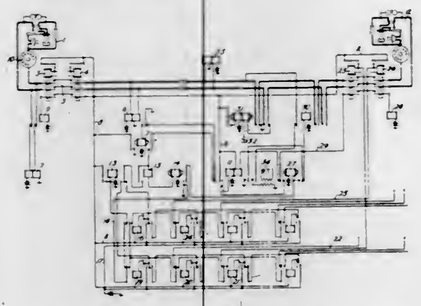
1. The process of manufacturing an electron emitting cathode which consists in applying to an electric conductor coatings of mixed barium, strontium and calcium compounds, distributing a platinum compound between said coatings and reducing the barium, strontium and calcium compound to their oxides, and the platinum compound to platinum.

1,463,814. LAST. CHARLES H. HELMER and JOSEPH WEHRUNG, Rochester, N. Y., assignors to Fitz-Empire Double Pivot Last Company, Auburn, Me., a Corporation of Maine. Filed Aug. 5, 1918. Serial No. 248,473. 6 Claims. (Cl. 12—133.)



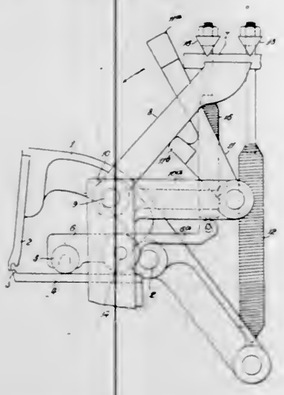
1. A last having a reinforcing member in the top of its toe, the last and member having registering grooves, and a binder inserted in the grooves.

1,463,815. TELEPHONE SYSTEM. EDWARD E. HINRICHSEN, New York, N. Y., assignor to Western Electric Company, Incorporated, New York, N. Y., a Corporation of New York. Filed Dec. 18, 1919. Serial No. 345,714. 7 Claims. (Cl. 179—18.)



1. In a telephone system, a telephone line, a testing point associated therewith, means for determining the busy or idle condition of said line comprising a plurality of relays, a first relay being connected to said testing point through the contacts of a second relay, means for transiently energizing said second relay to make a test of said line, means responsive to the idle condition of said line for energizing said first relay incident to the deenergization of said second relay and means responsive to the busy condition of said line for energizing said first relay prior to the deenergization of said second relay.

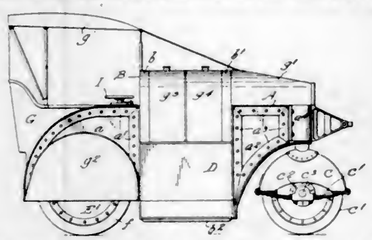
1,463,816. COMBING MACHINE. JAMES HORRIDGE, Bolton, England, assignor to John Hetherington and Sons Limited, Manchester, Lancaster, England. Filed Mar. 7, 1923. Serial No. 623,349. 3 Claims. (Cl. 19—116.)



1. In a combing machine, means for applying pressure to the top nipper and feed roller, comprising a pivotally mounted arm or lever, springs conecting said arm or lever with the nipper arm and feed roller bracket respectively, and movable means for supporting said arm or lever against the pull of said springs substantially as herein set forth.

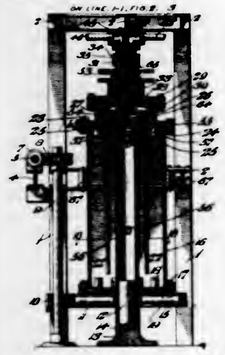
1,463,817. TRACTOR OR THE LIKE. LYMAN B. HORTON, Olean, N. Y. Filed July 22, 1919. Serial No. 312,534. 22 Claims. (Cl. 180—1.)

1. In a tractor, the combination of rigid side frame, front and rear wheels mounted on said rigid side frames, and an arch-shaped connecting member having its lower portions connected to said side frames and having a raised



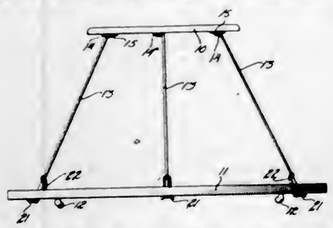
intermediate portion leaving a relatively high clear space intermediate of said side frames.

1,463,818. APPARATUS FOR FEEDING SULPHUR DIOXIDE OR OTHER MATERIALS IN A FLUID OR GASEOUS CONDITION. CHARLES W. HOTTMANN, Philadelphia, Pa. Filed May 27, 1921. Serial No. 473,057. 9 Claims. (Cl. 23—3.)



1. In a device of the character stated, a casing having a fluid receiving chamber, means to move said casing and means to effect during the movement of said casing the introduction of a fluid into its chamber, then the introduction of another fluid into the inner end portion of said chamber, then the discharge of both fluids and finally the exhaust of any fluid remaining in said chamber.

1,463,819. COLLAPSIBLE BABY WALKER. EDWIN HUMPHREVILLE, Lancaster, Pa. Filed Apr. 15, 1922. Serial No. 552,874. 4 Claims. (Cl. 155—22.)



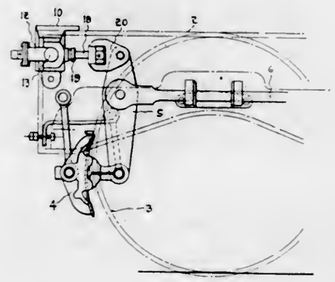
1. The combination of a frame member and a brace rod; a connection between the frame member and brace rod, said connection comprising hinged sections, one of said sections being secured to the frame member and the other section slidably engaging the brace rod, said latter section having a cavity; a locking block in said cavity adapted to frictionally engage the brace rod to prevent movement of the latter in one direction or release the same as desired; and means to hold the brace rod against movement in the other direction.

1,463,820. COLLAPSIBLE BABY WALKER. EDWIN HUMPHREVILLE, Lancaster, Pa. Filed Apr. 15, 1922. Serial No. 552,875. 12 Claims. (Cl. 155—22.)



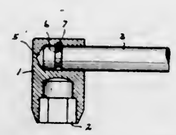
1. A baby walker including an upper frame and a lower frame having an opening; a brace pivoted to the upper frame and having a hook end adapted to take into the opening; a plate on the lower frame, and means on the plate for locking the hook end to the lower frame.

1,463,821. BRAKE SLACK ADJUSTER. WILLIAM COOK HUNTER, Montreal, Quebec, Canada. Filed Sept. 9, 1921. Serial No. 499,553. 7 Claims. (Cl. 188—197.)



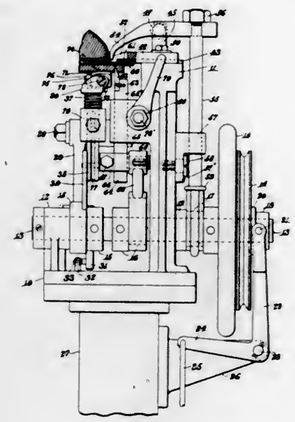
5. In a railway car truck the combination with the frame thereof and a bracket rigidly mounted thereon, of a brake gear slack adjuster including a pair of members in screw-threaded engagement and a housing enclosing said members and pivotally mounted in said bracket, said housing being adapted to contain a lubricant for the purpose of immersing the said members therein.

1,463,822. WRENCH. WILLIAM D. ITTEL, Houston, Tex. Filed June 27, 1922. Serial No. 571,206. 1 Claim. (Cl. 81—121.)



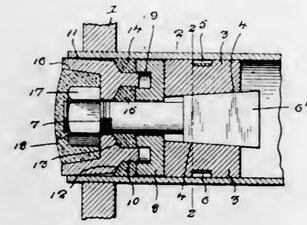
A wrench including a head formed with two sockets, arranged at approximately right angles to each other, one of said sockets being formed to receive a nut, a wrench handle bent so as to form an obtuse angle at a point intermediate its ends, and thus formed with a bearing section, and a grip section, said bearing section fitting into the other socket and having an annular groove and a transverse key through said head which fits into said groove and prevents the detachment of the head from the handle, said head being freely rotatable around the axis of the bearing section.

1,463,823. ROUGH ROUNDER. LAWRENCE E. JOHNSON, Melrose, OTTO T. PETERSON, Malden, and LEONARD A. POPP, Saugus, Mass., assignors to Victor Shoe Machinery Co., Lynn, Mass., a Corporation of Massachusetts. Filed Jan. 6, 1922. Serial No. 527,344. 31 Claims. (Cl. 12—18.)



1. In a machine of the class described, the combination of a work support; a channeling knife mounted therein; a reciprocating chisel; a welt gage with which said chisel coacts; and a substantially vertical rocker member in the upper end of which said support is mounted and means coacting with the lower end of said rocker member for moving said support and knife to cut a channel in the work while the chisel is in the work.

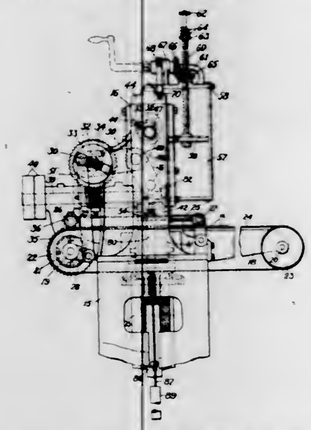
1,463,824. EXPANDIBLE STOPPER. GERRIT J. LEUVELINK, Paterson, N. J. Filed Jan. 11, 1921. Serial No. 436,567. 1 Claim. (Cl. 137—76.)



In a plug or stopper for boiler tubes, a wedge made up of a plurality of independent non-contacting segments each having its inner face flared and its outer peripheral face grooved, a split ring in the groove for holding the sections assembled, opposed rings at the outer face of the wedge, the inner ring having its outer face provided with a continuous groove, the outer ring having its inner face provided with a continuous tongue to be received in the groove, the said inner face of the outer ring being flared from the tongue to its bore and to its periphery, compressible gaskets between the rings at the said flared portion of the outer ring, said outer ring having its outer face dished to provide a pocket, a bolt having wedge faces on one end thereof engaging the flared sections, a nut screwed on the bolt and received in the pocket of the outer ring and designed to

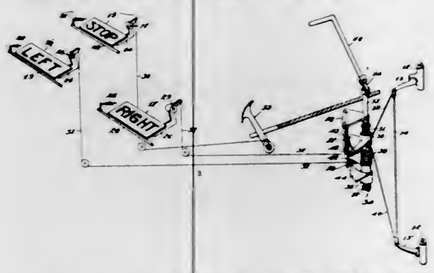
move the bolt longitudinally to cause the head thereof to expand the wedge sections and to move the outer ring toward the inner ring to compress the gaskets therebetween, and said pocket designed to receive a heat protecting element for the end of the bolt and the nut.

1,463,825. MANUFACTURE OF PIECED LIFT HEELS. THOMAS LUND, Beverly, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J., a Corporation of New Jersey. Filed May 22, 1919. Serial No. 298,858. 61 Claims. (Cl. 12—42.)



1. A machine of the class described, having, in combination, lift cutting mechanism, and means for feeding lift sections thereto with the edges of said sections in abutting relationship and with the long axes of sections for successive lifts arranged substantially in parallelism.

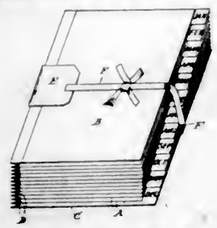
1,463,826. DIRECTION INDICATOR. RODNEY N. MCCLURE, Los Angeles, Calif. Filed Oct. 26, 1920. Serial No. 419,580. 8 Claims. (Cl. 116—36.)



1. In a direction indicator for vehicles, having guiding mechanism, a pair of direction indicating members normally disposed in an idle position, a drum, means for rotating said drum by said guide mechanism, means whereby rotation of said drum will operate to move the indicating members into an operative position, and means whereby said direction indicating members may be manually operated independent of said drum.

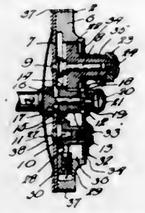
1,463,827. FILE FOR LETTERS, DOCUMENTS, AND THE LIKE. ALAN MACKENZIE MCNEILL and WILLIAM JOHN ABBOTT, Auckland, New Zealand. Filed Oct. 25, 1920. Serial No. 419,278. 2 Claims. (Cl. 129—15.)

1. A file for documents and the like formed of covers, a number of leaves bound together in book form, between the said covers, by extensible zigzag binding and having one cover provided with a tongue extending transversely



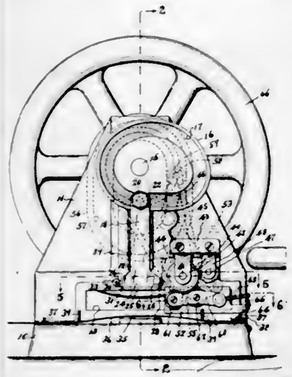
therewith from near its back edge so as to extend towards the front edge, and a tape threaded longitudinally through such tongue.

1,463,828. FISHING REEL. THOMAS E. MALLESON, Brooklyn, N. Y., assignor to Montague City Rod Company, Montague City, Mass. Filed May 9, 1922. Serial No. 559,574. 7 Claims. (Cl. 242—84.7.)



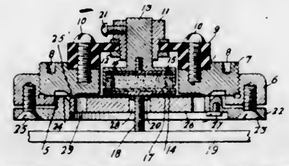
2. In a fishing reel, the combination of a cam having a semi-circular cam flange, a pinion having an annular groove in which said cam flange is rotatably engageable, a reel having an end bearing pin on which the pinion is longitudinally slidable toward and away from the end of the reel, means for operatively engaging the pinion and reel when the pinion is slid into proximity to the end of the reel, a cam lever affixed to the cam, and means for driving the pinion.

1,463,829. TICKET STAMPING AND PRINTING MACHINE. CHARLES MANSHEL, Newark, N. J. Filed Sept. 9, 1922. Serial No. 587,187. 8 Claims. (Cl. 101—69.)



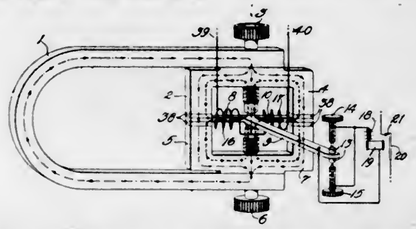
1. A device of the kind described, comprising a supporting frame, an impresser bar vertically reciprocable on said frame, a fixed yieldable platen block vertically alined beneath said impresser bar, means for detachably coupling a printing plate on the lower end of said impresser bar, a shaft journaled in said frame, means for rotating said shaft, a rotary ink carrying roll, transmission means between said carrying roll and said shaft, a slide-block horizontally reciprocable on said frame, a spring pressed pivoted yoke frame connected with said slide-block, ink transfer means mounted on said yoke frame to normally engage said carrying roll, a lever mechanism for reciprocating said slide-block, and cam devices on said shaft respectively adapted to actuate said lever mechanism and said impresser bar in timed relation whereby said slide block is moved to engage said ink transfer means with a printing plate fixed on said impresser bar in advance of the operative stroke of the latter.

1,463,830. VIBRATION DETECTOR. JOSEPH P. MAXFIELD, Millburn, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y., a Corporation of New York. Filed Apr. 25, 1919. Serial No. 292,583. 6 Claims. (Cl. 179—180.)



2. An acoustic device comprising a diaphragm responsive to mechanical vibrations, a damping plate located on either side of the diaphragm and in such close face to face relation thereto that the lowest natural frequency of device is outside of the range of useful voice currents.

1,463,831. ELECTROMAGNETIC DEVICE. DANIEL D. MILLER, New York, N. Y., assignor to Western Electric Company, Incorporated, New York, N. Y., a Corporation of New York. Filed May 5, 1921. Serial No. 466,942. 5 Claims. (Cl. 175—339.)



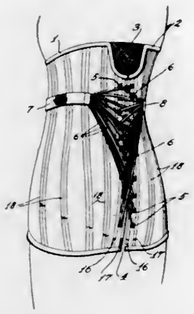
2. In combination, a polarizing magnet, trifurcated pole pieces for said magnet, each of said pole pieces having one adjustable member, an armature fulcrumed at two members of said pole pieces but movable with respect to the third member of said pole pieces, and energizing coils placed in operative relation to said armature.

1,463,832. MOVABLE EYE FOR STUFFED TOYS. NATHAN MORGENSTERN, Brooklyn, N. Y. Filed Mar. 29, 1922. Serial No. 547,614. 3 Claims. (Cl. 46—40.)



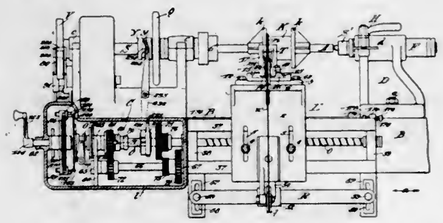
1. In an eye mechanism for figures, comprised of a stuffed preshaped sack, a plate, an eyelet to secure the plate to the sack, a cover having a closed back carried by the plate, an eye pivotally supported within the cover and protruding through the eyelet.

1,463,833. CORSET. CHARLES MUNTER, New York, N. Y. Filed Aug. 10, 1921. Serial No. 491,070. 2 Claims. (Cl. 2—73.)



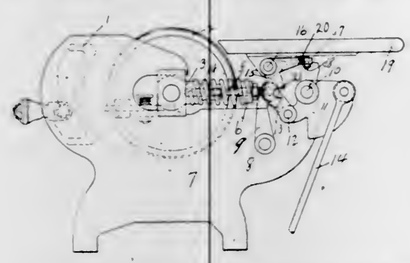
1. A corset provided in the upper portion of substantially the medial line of the back thereof with a cut-out portion, and having a back opening extending downwardly from the cut-out portion across and below the waist line to form two corset sections, the cut-out portion extending across said opening and a substantial distance beyond the edge of and into the body of each section, an elastic gusset positioned in and bridging said cut-out portion, said gusset being substantially confined to said cut-out portion above said opening and extending a substantial distance to each side of the opening, the gusset automatically conforming this portion of the corset to the bust of the wearer while at the same time permitting a yielding action, lacings associated with the back opening, the upper end of said lacings terminating at approximately the lower edge of said gusset so as not to interfere with the functioning of the latter, said lacings extending across the waist line, and operating belts secured to said lacings and extending around the corset to the front of the same whereby non-yielding manual adjustment of the corset at the waist line may be obtained.

1,463,834. WINDING MACHINE. EDWARD F. PARKS and CARL A. BRINK, Providence, and GEORGE N. TAYLOR, East Providence, R. I., assignors, by mesne assignments, to The New England Trust Company, trustee, a Corporation of Massachusetts. Filed Feb. 26, 1919. Serial No. 279,255. 45 Claims. (Cl. 242—10.)



1. In a winding machine, the combination with a rotating winding-mandrel, of a guide movable longitudinally of the mandrel and adapted to recede therefrom during the growth in the winding, means to feed the guide progressively along the mandrel with an intermittent step-by-step movement timed to cause each step to occur after one complete rotation of the mandrel, and means to reverse the direction of feed of the guide after a predetermined number of feeding-movements.

1,463,835. IRONING MACHINE. JAMES F. PATTON and JOHN E. MCALLISTER, Cleveland, Ohio. Filed June 2, 1921. Serial No. 474,502. 4 Claims. (Cl. 68—9.)



1. In an ironing machine, a heated shoe, a roll, a toggle to force the roll and shoe into resilient contact, and independent means to limit the movement of the toggle and hold it in position to keep the roll and shoe in contact.

1,463,836. METHOD OF ORNAMENTATION. THEOPHIL PEISTER, New York, N. Y., assignor to Tapestrelle Corporation, New York, N. Y., a Corporation of New York. Filed Apr. 11, 1922. Serial No. 551,476. 4 Claims. (Cl. 41—21.)



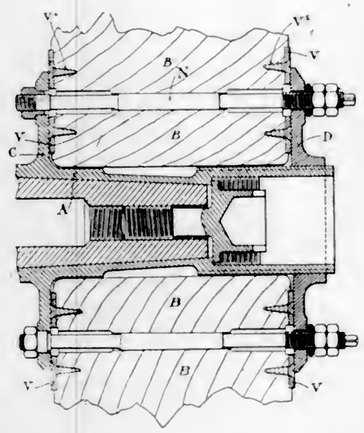
1. A pattern for forming ornamental panels of various designs consisting of a sheet having depicted thereon representations of various details in a given motif and in a relation to permit blocking out of parts to form different unitary designs alternatively with the remaining parts, the details being of a character to be repeated, whereby parts blocked out at one point may be retained at another part, whereby the same area of the pattern material may be utilized to produce different designs of like dimensions.

1,463,837. BURNER ATTACHMENT. FRANK C. PIETS, Los Angeles, Calif. Filed June 10, 1921. Serial No. 476,490. 3 Claims. (Cl. 126—215.)



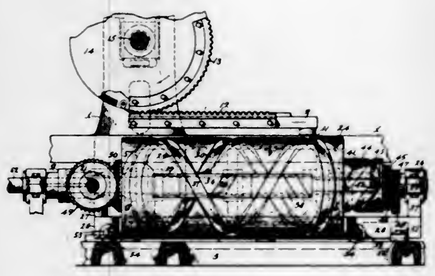
3. A burner attachment comprising a pan having a series of elongated apertures in the bottom thereof each of which apertures is encompassed by an upwardly extending wall, a metal cap extending over each of the apertures in spaced relation to the upper edges of the walls and projecting beyond the outer faces of the walls, and means on said caps for supporting them on said walls.

1,463,838. MEANS FOR SECURING ROTARY MEMBERS OF CONTRACTILE MATERIAL TO METALLIC HUBS. PIERRE RENÉ POSTEL-VINAY, Paris, France, assignor to Societe des Moteurs Salmson (Systeme Canton-Unne), Paris, France. Filed Mar. 16, 1921. Serial No. 452,811. 1 Claim. (Cl. 170—173.)



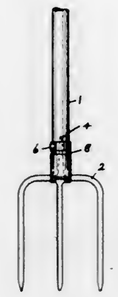
In combination, a rotary driving member, a metallic flange rigidly mounted upon said member, another metallic flange slidably mounted upon said member and adapted to rotate therewith, a driven member of contractile material mounted on said driving member between the two flanges, holes extending longitudinally through said driven member and flanges, bolts in said holes with nuts on said bolts adapted to tighten the driven member between the two flanges, said holes and bolts contacting only along an intermediate portion, plates disposed on the side faces of the driven member and adapted to contact with the said flanges, said plates being made of a friction material adapted to withstand heat, separate means for rigidly securing said plates to the driven member and apertures in said plates in alignment with said holes, said bolts extending through said apertures with a wide play.

1,463,839. MECHANICAL MOVEMENT. OTTO L. RAABE, Jersey City, N. J.; Minnie C. Moog, Ruth A. Smith, and Arthur E. Raabe executors of said Otto L. Raabe, deceased. Filed Sept. 20, 1921. Serial No. 501,882. 8 Claims. (Cl. 74—14.)



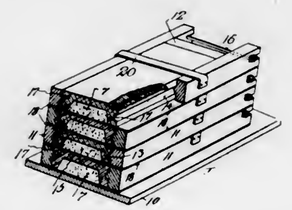
1. The combination of a bed, a driver having a right and left-hand thread crossing each other, means for making the threads continuous at the cross over points, and connections from the bed working in the threads.

1,463,840. FERRULE. HARRY C. REDMOND, Sr., Houston, Tex. Filed Aug. 29, 1922. Serial No. 585,043. 4 Claims. (Cl. 294—49.)



1. A ferrule formed of a rectangular strip of sheet metal whose ends are arcuate, each end being formed with a tongue on one side and a slot on the other.

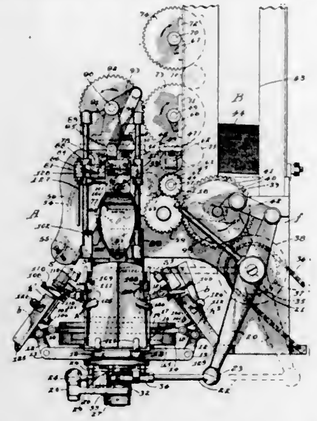
1,463,841. METHOD OF MAKING CONCRETE BUILDING BOARDS OR SLABS. WALLACE CLINTON RICHMAN, Butte, Mont. Filed Feb. 24, 1919. Serial No. 278,644. 1 Claim. (Cl. 25—155.)



In the manufacture of building boards or slabs, the method which consists in forming a core within a core mold, then removing the core mold and surrounding the formed core with a frame to form, with the core, a board or slab mold, then filling the board or slab mold with concrete, then forming another core on the board thus produced, and applying a frame therearound to form a second board mold and filling the second board mold with concrete and repeating the operation to form a stack or pile of boards within their molds, and permitting the boards to set and harden, then removing the board mold frames and moistening the stack or pile of boards to hydrate the cement content thereof, and finally separating the boards and cores.

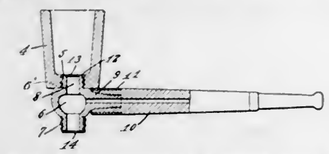
1,463,842. BAG-OPENING MACHINE. OSCAR N. RITCHIE, Hamilton, and HERBERT C. BOYKIN, Middletown, Ohio, assignors to P. Lorillard Company, New York, N. Y., a Corporation of New Jersey. Filed June 10, 1922. Serial No. 567,316. 15 Claims. (Cl. 226—49.)

1. In combination with a bag removing means, of a bag opening machine comprising a carrier, provided with a bag holder, a framework in which the said carrier is journaled for movement through a plurality of operating stations including a bag opening station, a bag opening mechanism mounted independently of said bag removing means and movable into and out of cooperative relation with the holder and a bag therein at such station, and



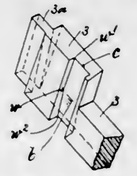
provisions for operating said mechanism including a driving means journalled in the framework which supports the said carrier.

1,463,843. SMOKING PIPE. WILLIAM JOSEPH ROGERS, Potosi, Tex. Filed Sept. 24, 1919. Serial No. 325,906. 2 Claims. (Cl. 131—12.)



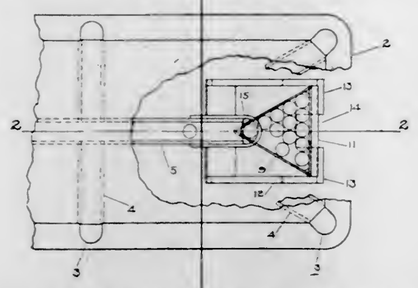
1. A smoking pipe comprising a substantially globular reservoir having oppositely extending nipples at the top and bottom thereof, whereby the smoke drawn into the reservoir will circulate and be thoroughly cooled before entering the stem, said nipples being screw threaded, a screw cap removably mounted on each of the nipples, one of said caps constituting removable sealing means and the other cap being perforated and removable, a pipe bowl threaded onto the perforated cap and removable therefrom, a nipple extending from the globular reservoir and between the first mentioned nipples, and a stem engaging said intermediate nipple.

1,463,844. FALLER OR GILL BAR FOR TREATING TEXTILE SUBSTANCES. JOHN WILLIAM RYAN, Leeds, England, assignor to Fairbairn Lawson Combe Barbour Limited, Leeds, York, England. Filed Oct. 23, 1922. Serial No. 596,484. 2 Claims. (Cl. 19—129.)



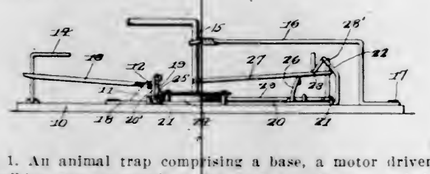
1. A gill or faller bar having each of the bases of its guiding grooves formed with a straight part parallel to the two side surfaces of said gill or bar and the remainder of said base surface at an angle to the said parallel part.

1,463,845. BALL-COLLECTING DEVICE. JOSEPH P. RYAN, Hartford, Conn. Filed Aug. 29, 1921. Serial No. 496,319. 7 Claims. (Cl. 46—12.)



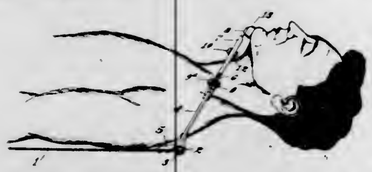
1. In a ball collecting device, the combination of a frame, a chute for directing a ball into the frame, and means for checking the movement of the ball at about the time it leaves the chute so that the ball is caused to be positively directed into a definite, pre-selected place in the frame.

1,463,846. ANIMAL TRAP. JACOB SCHOONHOVEN, Shannon, Ill. Filed Mar. 1, 1922. Serial No. 540,231. 2 Claims. (Cl. 43—75.)



1. An animal trap comprising a base, a motor driven striking arm mounted on the base, a trip pan, a bait holder adjacent the trip pan, a friction means between which the striking arm passes upon completion of a stroke, a resiliently mounted stop for the striking arm, and a link connecting the trip pan with the stop for releasing the stop.

1,463,847. CHIN REST. WADE SHILLING, Troy, Ohio. Filed June 12, 1922. Serial No. 567,604. 6 Claims. (Cl. 27—25.)



1. In a device of the character described, a comparatively narrow shank capable of being slipped beneath one shoulder only of the corpse, and adjustable chin supporting devices carried by said shank extending directly from the upper end of the shank to the chin.

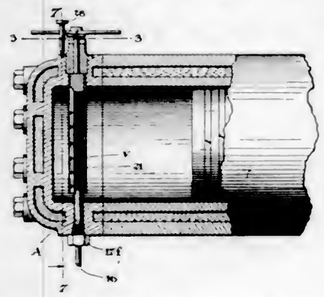
1,463,848. DRILL BIT. EDWARD W. SHIMIN, Thermopolis, Wyo. Filed Jan. 17, 1923. Serial No. 613,289. 1 Claim. (Cl. 255—63.)

A drill bit comprising a shank having a cruciform head which is wider than the shank, the head being made up of first and second intersecting wings disposed at right angles to each other, the side surfaces of each wing converging toward the working end of the bit, the first wing being beveled at its working end to form cutting edges disposed at right angles to the axis of the bit, the second wing being beveled at its working end to form cutting edges disposed in advance of the cutting edges of the first



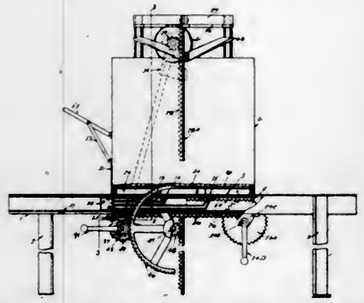
wing and converging to form a point located in the axis of the bit, the angles formed at the outer extremities of the cutting edges of both wings constituting reamers.

1,463,849. COMBINED ATOMIZER AND VAPORIZER FOR OIL ENGINES. ARTHUR CIRONS SMITH, Colorado Springs, Colo., assignor of one-half to William Walter Hassell, Colorado Springs, Colo. Filed Mar. 5, 1921. Serial No. 449,940. 10 Claims. (Cl. 123—32.)



1. A vaporizing member comprising, an elongated slotted member, and means adapted to rotatably support the member within the head of a cylinder.

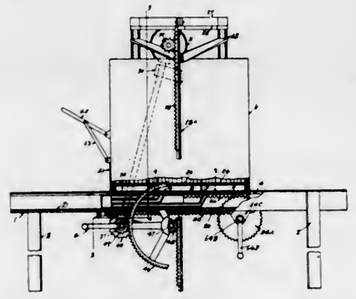
1,463,850. MACHINE FOR BRICKING ICE CREAM. ROSS H. SMITH, Erie, Pa. Filed Jan. 5, 1920, Serial No. 349,446. Renewed Nov. 29, 1922. 23 Claims. (Cl. 226—24.)



1. In a machine for bricking ice cream, the combination of a receptacle; means for squirting cream from the receptacle; a mounting for a mold for receiving the cream as it is squirted; and means for moving a mold on the mounting in proportion to the movement of the cream as it is discharged.

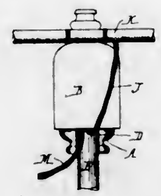
11. In a machine for bricking ice cream, the combination of a receptacle; a nozzle extending from the receptacle; a plunger in the receptacle; and spring-pressed plates between the plunger and the walls of the receptacle comprising means for retracting the plates as the plunger is lifted above the receptacle.

1,463,851. METHOD OF BRICKING ICE CREAM. ROSS H. SMITH, Erie, Pa. Original application filed Jan 5, 1920, Serial No. 349,446. Divided and this application filed July 8, 1921. Serial No. 483,137. 7 Claims. (Cl. 62—1.)



1. The method of bricking ice cream which consists in taking the mass in a soft plastic state; squirting it from the mass with a cross sectional form of the finished brick; confining the mass as it is discharged to the shape discharged; and severing the brick from the mass.

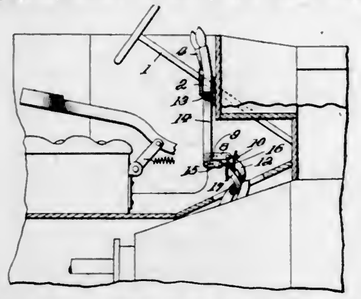
1,463,852. ELECTRIC-LINE INSULATOR. BENJAMIN GEORGE CLAUDE STEPHENS, Auckland, New Zealand. Filed Oct. 27, 1922. Serial No. 597,393. 4 Claims. (Cl. 200—129.)



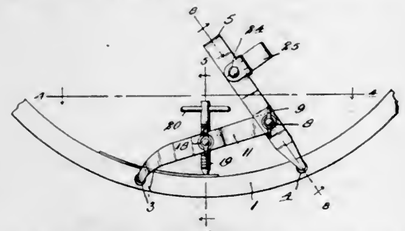
1. An electric line carrying insulator adapted to be screwed onto a supporting member and formed of two parts made of non-conductor material, coacting contacts on said parts, and a fuse wire connecting the contacts of one of said parts.

1,463,853. HAND-OPERATING CONTROLLING DEVICE FOR AUTOMOBILES. FANNY H. STOCKING and WILLARD M. FARROW, Sr., Washington, D. C. Filed Jan. 25, 1919. Serial No. 273,127. 2 Claims. (Cl. 74—39.)

1. In a motor vehicle having a steering post and a clutch and reverse pedal arranged beneath the same, of a support formed of two sections pivotally connected together and secured to the steering post, said support having bearing studs, levers pivotally mounted on said bearing studs, detents carried by said levers cooperating with recesses formed in said support, bolts adjustably mounted within said pedals and adjustable links connecting said bolts to the lower ends of said levers.

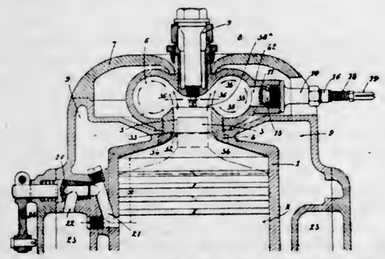


1,463,854. TOOL FOR CONTRACTING AND EXPANDING SPLIT RIMS. JOHN SUTHERLAND, Springer, N. Mex. Filed Apr. 1, 1922. Serial No. 548,635. 1 Claim. (Cl. 157—1.)



In a tire rim tool, a U-shaped lever having the free ends of its legs provided with means for pivotal and detachable connection to the side flanges of a split rim at one side of the split thereof, a pair of parallel links, each having one end pivotally connected to a leg of the lever intermediate the ends of the leg and having its other end provided with means for pivotal and detachable connection to a side flange of the rim at the other side of the split, a cross member connecting said links intermediate the ends of the latter, and as crew threaded through said cross member for initially breaking the rim, said cross member being axially rotatable relative to the links for permitting the swinging of the screw into and out of operative position.

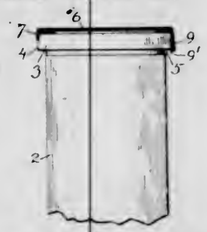
1,463,855. IGNITION DEVICE FOR INTERNAL-COMBUSTION ENGINES. EUGÈNE HENRI TARTARIS, Maisons-Laffitte, France. Filed July 14, 1921. Serial No. 484,805. 4 Claims. (Cl. 123—145.)



1. An ignition device for effecting initial ignition in internal combustion engines, comprising a combustion chamber having the shape of a torus, a valve fuel atom-

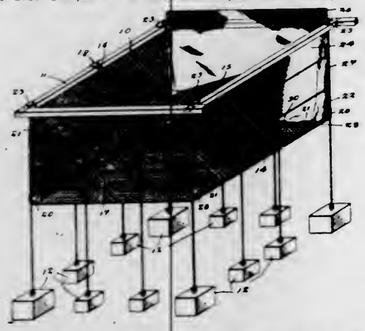
izer extending into said combustion chamber and adapted to inject the fuel under the form of thin sheet at right angle to the axis of the combustion chamber, a recess formed in the wall of said combustion chamber on a level with the valve of the atomizer, and an electric igniter with an incandescent filament mounted on said combustion chamber in such position that the incandescent filament is located in the said recess, and may be reached by the atomized fuel discharged by the atomizer.

1,463,856. JAR CLOSURE. CHRISTIAN VON ALLMEN, Louisville, Ky. Filed July 14, 1921. Serial No. 484,686. 4 Claims. (Cl. 215—38.)



1. In a jar closure, the combination with a jar having a top annular ledge having a continuous tapering circumferential wall, of a lid having a down-turned annular tapering flange having annularly continuous close wedging engagement with said tapering wall, said flange having spring extensions integral therewith and releasably engaging the lower shoulder of said ledge.

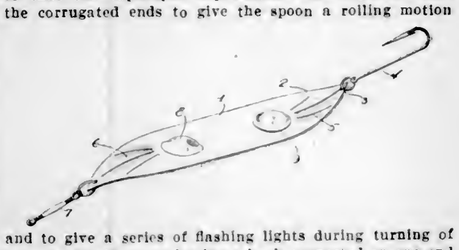
1,463,857. WIRE SPILLER AND LIFTING NET. OLE C. WAGNER, Seattle, Wash. Filed Feb. 26, 1923. Serial No. 621,252. 4 Claims. (Cl. 43—102.)



1. In a net of the character described, a permanent wire pot net having an entrance, a movable entrance connection, and a movable lifting net of cotton or like mesh of a size to extend over the floor of the pot, adapted to lie at times in inoperative position at one side of the pot, and means to move the lifting net to extended position at one side of the pot, and means to move the lifting net to extended position and to lift it as described.

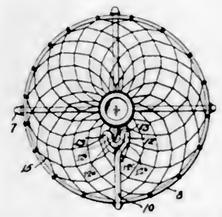
1,463,858. TROLLING SPOON. JOHN H. WANDVE, Ketchikan, Alaska. Filed Nov. 29, 1921. Serial No. 518,525. 1 Claim. (Cl. 43—45.)

A trolling spoon of the character described comprising an elongated plate having its central intermediate portion straight, the ends of said plate being pointed and curved in opposite directions, each of said curved ends being provided with diverging corrugations extending from the terminals of the central straight portion, a cup-shaped depression formed in the straight portion at the base of the corrugations at each curved end, said cup-shaped depressions being formed in opposite directions so that the cupshaped depressions will cooperate with the corrugated ends to give the spoon a rolling motion



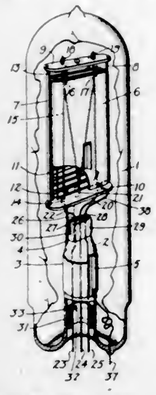
and to give a series of flashing lights during turning of same, and said spoon having a hook connected on one end and means for connecting the opposite curved end of the spoon to a line.

1,463,859. FRUIT PICKER. AMANDUS WEAVER, Philadelphia, Pa. Filed Oct. 4, 1920. Serial No. 414,451. 3 Claims. (Cl. 56—339.)



1. A fruit picker including a receptacle open at its top and having a series of braces extending outwardly and upwardly on its outer side, one of the braces having a portion extending over the open top and terminating in a fork, the fork being produced at the end of a single strand of a brace bent upon itself at spaced points with the bent portions arranged in contact forming a pair of prongs of double material and having an intermediate arcuate portion with the concaved portion forward terminating short of the center of the receptacle and radially in line therewith.

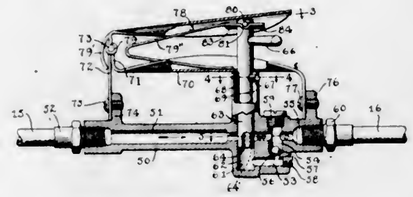
1,463,860. ELECTRON-DISCHARGE DEVICE. WILLIAM WILSON, Maplewood, N. J., assignor to Western Electric Company Incorporated, New York, N. Y., a Corporation of New York. Filed July 22, 1920. Serial No. 398,297. 13 Claims. (Cl. 250—27.)



13. An electron discharge device comprising a containing vessel containing an electrode unit, a stem, lead-

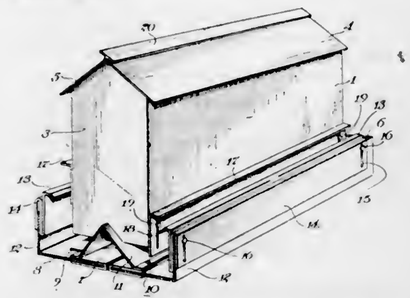
in wires for said unit, a metallic shield between said unit and the sealed in portion of said wires,—and a metallic shield for said wires on the side of said sealed in portion opposite said unit.

1,463,861. LUBRICATING APPARATUS. FRANK D. WINKLEY, Madison, Wis., assignor, by mesne assignments, to The Bassick Manufacturing Company, a Corporation of Delaware. Filed Mar. 19, 1920. Serial No. 367,197. 17 Claims. (Cl. 184—105.)



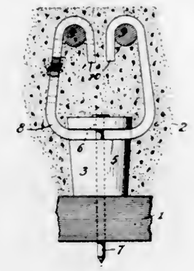
1. The combination with a lubricant receiving member, and means for supplying lubricant thereto, comprising a source of lubricant under pressure, a discharge conduit therefor having a coupling member on the free end thereof, and co-acting means on said nipple and coupling member for detachably connecting said coupling member to said nipple, of means intermediate the ends of said discharge conduit for varying the pressure on the lubricant supplied to said nipple, comprising a body member having intake and discharge passageways, and a pump cylinder connecting said passageways, a check valve in said discharge passageway opening towards said coupling member, said body member being provided with a by-pass around said check valve connecting said pump cylinder and said discharge passageway, a plunger reciprocable and rotatable in said pump cylinder and having a recess formed in its inner end for establishing communication between said intake passageway and said pump cylinder, or between said pump cylinder and said by-pass, means whereby said plunger can be rotated, a hand-grip for reciprocating said plunger, and a spring for retracting said plunger, the said spring comprising means for holding said plunger in either of its angularly adjusted positions.

1,463,862. FEED HOPPER. ARTHUR A. WOLF, Phoenix, Ariz. Filed Jan. 5, 1923. Serial No. 610,787. 5 Claims. (Cl. 119—53.)



5. In a device of the class described, a hopper, a tray in communication with said hopper, a longitudinal partition in the tray dividing the same into a plurality of troughs, adjustable means for varying the size of each trough, and an adjustable plate for regulating the flow of feed to each trough.

1,463,863. CONCRETE INSERT. RAYMOND P. ZENTS, Omaha, Nebr. Filed Apr. 27, 1920, Serial No. 377,035. Renewed May 21, 1923. 10 Claims. (Cl. 72—105.)

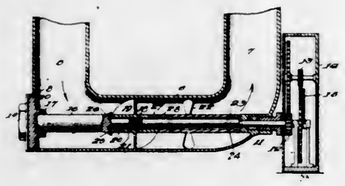


6. A concrete insert comprising a tapered body of greater diameter at the inner end than at the outer end, having a threaded socket from the outer end and a transversely extending aperture above the socket, and a supporting strap insertable into the transverse aperture of the body.

1,463,864. PROCESS OF MAKING STORAGE-BATTERY ELEMENTS. LEAVITT N. BENT, Holly Oak, Del., assignor to Hercules Powder Company, Wilmington, Del., a Corporation of Delaware. Filed May 24, 1922. Serial No. 563,427. 8 Claims. (Cl. 204—29.)

7. The process of making storage battery separators which comprises mixing nitrocellulose with a latent solvent thereof, an active solvent thereof and an ingredient that will not injuriously react with celluloid or with any element of the battery and which is soluble in a liquid that will not injuriously react with celluloid, subjecting the mixture to a succession of treatments to ultimately produce thin sheets composed of celluloid, throughout which said ingredient is widely distributed, and dissolving out a substantial proportion of said ingredient in a solvent thereof that is not a solvent of celluloid.

1,463,865. FLUID METER. ROBERT S. BLAIR, Sound Beach, Conn. Filed Dec. 5, 1917. Serial No. 205,658. 20 Claims. (Cl. 73—37.)

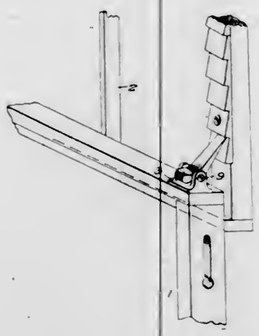


1. In a meter construction, in combination, a member mounted to be exposed to fluid current and movable transversely of said current, an auxiliary source of power, and means adapted upon the transverse pressure components upon opposite sides of said member becoming substantially unbalanced to bring said member into increased or decreased effectiveness of connection with said source of power.

1,463,866. AUTOMATIC WINDOW LATCH. ALFRED L. BOURBEAU, Lawrence, Mass. Filed Mar. 23, 1921. Serial No. 454,837. 1 Claim. (Cl. 292—238.)

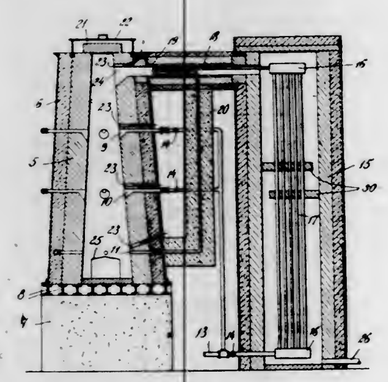
A sash fastener, comprising a substantially L-shaped latch, the long arm of which has a pointed end, the short arm of which has a rounded end, means for receiving the pintle bearing located at the junction of the said short

and long arms, a latch supporting member, including a base, two upstanding equally spaced parallel ears, between which said latch is adapted to be pivoted, a pintle extend-



ing through registering apertures in said ears and through the said pintle receiving means of the latch, a rack bar comprising spaced steps for engagement with the end of said latch.

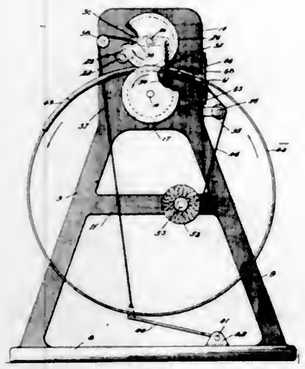
1,463,867. ROASTING SULPHIDE ORES. FRANK G. BREYER, JOHN P. HUBBELL, and DUNCAN M. KERR, Palmerton, Pa., assignors to The New Jersey Zinc Company, New York, N. Y., a Corporation of New Jersey. Filed Feb. 7, 1922. Serial No. 534,696. 20 Claims. (Cl. 75—60.)



1. The process of desulfurizing finely divided zinciferous sulphide ores which comprises agglomerating the finely divided ore into lumps of substantial size, causing the agglomerated ore to progressively travel through a desulfurizing environment, and maintaining said desulfurizing environment by passing through the agglomerated ore a combustion supporting gas at least a portion of which is preheated.

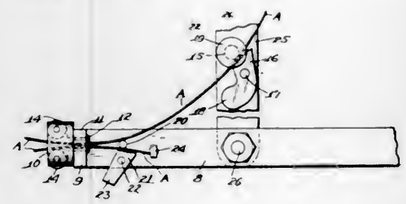
1,463,868. MACHINE FOR COVERING TIRE RINGS. MAGLOIRE BRODEUR, Providence, R. I. Filed Oct. 10, 1921. Serial No. 506,633. 4 Claims. (Cl. 154—9.)

2. In a machine of the character described, a frame, a driving shaft on the frame, a die fast to the shaft provided with a peripheral groove, a rock shaft mounted in the frame, an arm on the rock shaft, a stud on the arm, a die on the stud provided with a groove adapted to register



with the first groove, a plate attached to the stud, a spring engaging the plate and frame, a pedal on the frame, and a flexible member connecting the plate and pedal.

1,463,869. WIRE-STRAPPING TOOL. LAYARD CAMPBELL, New York, N. Y., assignor, by mesne assignments, to Twist Seal Company, Chicago, Ill., a Corporation of Delaware. Filed Apr. 14, 1920. Serial No. 373,708. 8 Claims. (Cl. 140—93.)



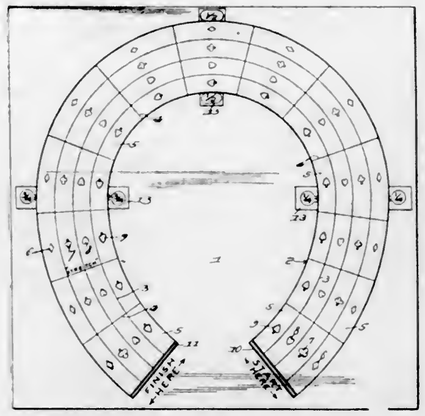
1. A tool as characterized comprising a guide member for aligning the sections of a wire strap adjacent the terminal thereof; a handle pivotally connected with said guide member for rotation thereon; means mounted on said handle for holding said terminal; and means mounted on said handle for engaging the wire from which said strap is formed, said means being adapted to engage said wire step by step.

1,463,870. STRAP-TIGHTENER TOOL. LAYARD CAMPBELL, New York, N. Y., assignor, by mesne assignments, to Twist Seal Company, Chicago, Ill., a Corporation of Delaware. Filed June 27, 1921. Serial No. 480,505. 5 Claims. (Cl. 140—102.5.)



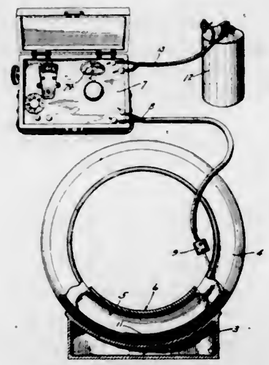
1. A tool as characterized comprising a plurality of devices for engaging wire at opposite sides thereof; means for gyrating said devices about a common center to form oppositely extended loops in said wire, and a projection having an inclined surface associated with each of said devices, and arranged to remove the body portion of the wire from the path of said devices to permit the loops formed thereby to pass over the body portions of the wire.

1,463,871. GAME APPARATUS. REUBEN M. CHISOLM, New Orleans, La. Filed Apr. 8, 1922. Serial No. 550,753. 2 Claims. (Cl. 46—63.)



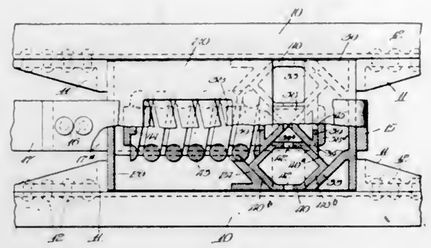
1. A game apparatus comprising a game board having an outlined race track thereon, said track being divided into a plurality of spaces, each space being provided with a character corresponding to a character of a conventional form of playing card, a plurality of markers, each marker having a character similar to the character of a conventional form of playing card, and adapted to successively occupy the spaces having a similar character, and a pack of conventional playing cards for designating the movements of said markers according to the character of an exposed card removed from the pack.

1,463,872. TEMPERATURE-INDICATING APPARATUS FOR TIRE VULCANIZATION. NORMAN CONN, Minneapolis, Minn. Filed Mar. 30, 1922. Serial No. 548,161. 4 Claims. (Cl. 18—6.)



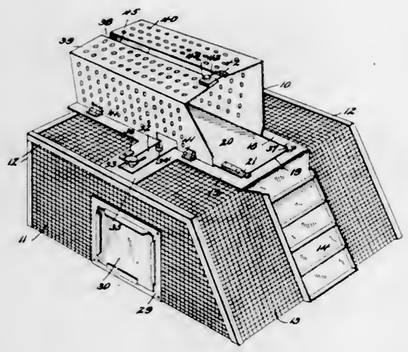
1. The combination with a thermally heated mold adapted to receive a tire casing, and an expansible core adapted to press said tire casing against the heated surface of said mold, of a temperature indicating apparatus comprising a curved thermocouple fitted between said core and the inner surface of the tire casing, and an electric circuit including said thermocouple and a temperature indicator.

1,463,873. FRICTIONAL DRAFT GEAR. ROY J. COOK, Chicago, Ill., assignor to George C. Murray, Chicago, Ill. Filed Dec. 30, 1918. Serial No. 268,944. 10 Claims. (Cl. 213—37.)



1. In combination a yoke, a draw bar connected to said yoke, a supplementary yoke mounted within and extending longitudinally of said first named yoke, and movement-resisting mechanism coacting with and supported by said first named yoke and supporting said supplemental yoke independently thereof, said movement-resisting mechanism being retained by said supplemental yoke which extends around a portion thereof.

1,463,874. TRAP. WILLIAM I. CROYLE, Hellwood, Pa. Filed Mar. 24, 1922. Serial No. 546,243. 7 Claims. (Cl. 43—70.)

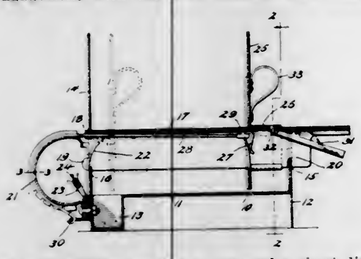


4. A pedal operating mechanism for traps comprising a tray pivotally supported adjacent to one of its ends and extending forward to form a trip pedal, a slidingly mounted bolt under said tray and pedal for cooperating with the trap, a bait hook extending upwardly from the tray and downwardly from the bottom thereof and connected at its lower end with said bolt for retracting it when the trip pedal has been depressed, and a weight in said tray for returning the trip pedal and bolt to their normal position.

1,643,875. SWATTER. WILLIAM I. CROYLE, Hellwood, Pa. Filed Mar. 24, 1922. Serial No. 546,244. 4 Claims. (Cl. 43—110.)

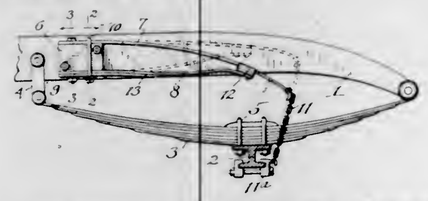
1. In a device of the character described, a relatively fixed member, a movable member adapted to strike said

fixed member, means for moving said striking member into engagement with the fixed member, and means for



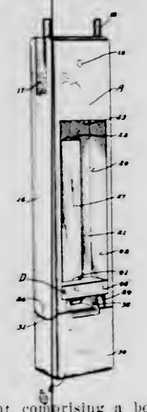
causing said striking member to rebound a short distance immediately after engagement with said fixed member.

1,463,876. SNUBBER. EDWARD G. DE LOE, Cleveland, Ohio, assignor, by direct and mesne assignments, of one-half to George W. Longbrake, one-sixth to Orville L. Longbrake, and one-third to Freet A. Daymon, all of Cleveland, Ohio. Filed Sept. 12, 1921. Serial No. 499,995. 9 Claims. (Cl. 267—8.)



1. The combination with a frame member and an axle member, of a pair of spring leaves which at one of their ends are spaced apart and secured upon one of said members, one of the leaf springs having a frictional engagement with the other leaf spring and said other leaf spring at the free end thereof being secured to the other of said members.

1,463,877. ADJUSTABLE SASH WEIGHT. GEORGE A. DICKINSON, Davenport, Iowa. Filed Aug. 10, 1922. Serial No. 580,962. 6 Claims. (Cl. 16—218.)



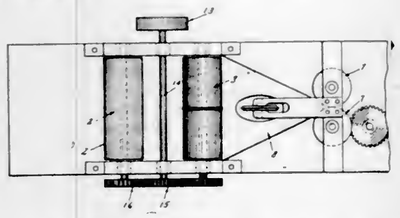
1. A sash weight comprising a body having a longitudinally extending pocket formed therein opening out through one longitudinal face of the body, and a longitudinally extending guide rail disposed within said pocket, the upper end of said guide rail being spaced from the upper wall of said pocket, and weight segments slidably and detachably mounted upon said rail.

1,463,878. SELF-FILLING LEAD PENCIL. JEHU B. DOBSCHUTZ, St. Louis, Mo. Filed Aug. 10, 1921. Serial No. 491,083. 3 Claims. (Cl. 120—18.)



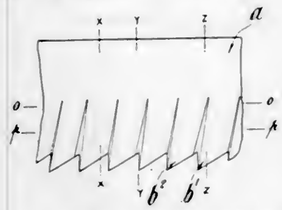
2. A self-filling lead pencil, comprising a sectional casing, a magazine provided with a V-shaped chamber capable of containing a plurality of leads, and a semicircular bottom mounted in the casing, a tube carried by one end of the magazine and in alinement with said bottom, a screw threaded tube carried by the opposite end of said magazine and in alinement with said bottom, a screw threaded plunger mounted in the screw threaded tube, a frame mounted on the upper end of the plunger and adjustable relative to said plunger, and an operating knob secured to the upper end of said frame for withdrawing the plunger and allowing a lead to lodge in the bottom of the chamber, and in alinement with the tube.

1,463,879. FOLDING MACHINE. WELLINGTON DOWNING, Erie, Pa. Filed Nov. 6, 1920. Serial No. 422,316. 4 Claims. (Cl. 270—86.)



1. In a folding machine, the combination of a pair of creasing rolls: a pair of folding rolls at right angles to the creasing rolls; and a deflecting roll operating along the line of the crease within the fold between the creasing rolls and the folding rolls.

1,463,880. HACK SAW AND BAND SAW AS USED FOR CUTTING METALS. ALEXANDER H. EVANS, Manchester, England, assignor of one-half to Edward G. Herbert Limited, Manchester, England, a Company of Great Britain and Ireland. Filed June 1, 1922. Serial No. 565,222. 10 Claims. (Cl. 143—133.)



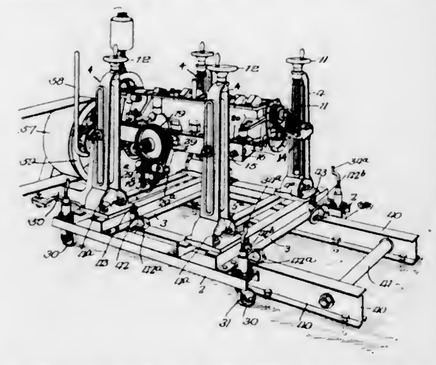
1. A saw as used for cutting metals and having a straight cutting edge wherein the teeth and the adjacent parts of the body of the saw have an angular clearance "set" consisting of a deflection of the metal forming said teeth and parts out of and at an angle to the normal plane of the saw, the deflection of some of the teeth and adjacent parts being to the right while the deflection of other teeth and adjacent parts is to the left of the plane of the saw blade, and the projecting points of the teeth thus deflected standing out at all times further from the plane of the body of the saw than any other parts, as set forth.

1,463,881. PROCESS AND PRODUCT OF PREPARING STEARATE OF ZINC FOR USE IN RELIEVING PRICKLY HEAT, ETC. ROSE C. FARRELL and CHARLES E. COOGAN, New York, N. Y., assignors to Eben E. Olcott, New York, N. Y. Filed Aug. 8, 1922. Serial No. 580,543. 6 Claims. (Cl. 167—9.)

2. The process which consists in coating talc and a film of paraffin wax and subsequently adding zinc stearate to the same.

5. A substance composed of particles of talc with an envelope of paraffin wax, and zinc stearate.

1,463,882. COMBINATION WORK AND POWER STAND. MORRIS H. FULLER, Chicago, Ill., assignor to Service Station Equipment Company, Chicago, Ill., a Corporation of Illinois. Filed Feb. 21, 1921. Serial No. 446,769. 8 Claims. (Cl. 29—1.)



1. The combination of a power head, an extended base structure in fixed relation thereto; a portable stand comprising a base, uprights, and a work holder; and means for rigidly relating the said stand to the said base structure for its support thereby and its anchorage thereto; the aforesaid power head having a drive shaft and the aforesaid work holder being adapted to receive and securely hold a motor; with provisions for aligning the shaft of the motor with the said drive shaft and operatively connecting it therewith.

1,463,883. REACTION PRODUCT OF TUNG OIL AND A DECHLORINATED OIL AND PROCESS OF MAKING SAME. HENRY A. GARDNER, Washington, D. C. Filed June 14, 1920. Serial No. 388,913. 10 Claims. (Cl. 134—26.)

1. As a new composition of matter, a reaction product of tung oil and a dechlorinated oil.

1,463,884. COATED OR IMPREGNATED BODY AND METHOD OF PREPARING THE SAME. HENRY A. GARDNER, Washington, D. C. Filed June 30, 1920. Serial No. 393,090. 8 Claims. (Cl. 91—70.)

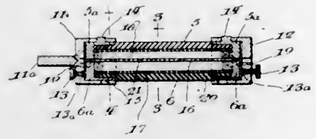
1. As a new article of manufacture, a body material having a coating comprising a solid reaction product of tung oil and dechlorinated oil.

4. As a new article of manufacture, a laminated product comprising a plurality of sheets of flexible material, and a binding agent comprising a solid reaction product of tung oil and dechlorinated oil.

5. A novel molding composition comprising an inert material, tung oil and dechlorinated oil.

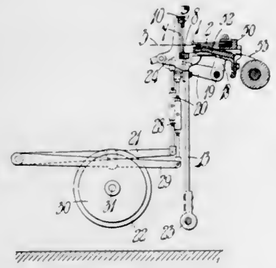
7. The herein described method which consists in coating or impregnating a suitable material with a mixture containing tung oil and dechlorinated oil, and causing said components to react in situ to yield a solid reaction product.

1,463,885. CARTRIDGE FUSE. HALL GOODWIN, Chicago, Ill. Filed June 6, 1921. Serial No. 475,354. 2 Claims. (Cl. 200—131.)



1. A fuse holder comprising an elongated tubular casing which is in two longitudinal and similar separable sections, heads of conducting material on the ends of the casing, said heads being also in sections, terminal caps slidably and removably fitted over the heads for coupling the casing sections together, the caps having angular slots and the head sections having projecting side pins adapted to enter said slots, the pins of the respective head sections being positioned obliquely relative to each other, contact screws carried by the caps and having their inner ends located opposite the ends of the heads, and a fusible element held between the casing sections and having end portions extending between the head sections and projecting therefrom to extend across outer ends of said head sections for engagement by the contact screws.

1,463,886. LOOM FOR WEAVING VELVET PILE CARPETS AND OTHER PILE FABRICS. JOHN ERNEST GROSVENOR, Corbett, and WILLIAM THOMAS PICKING, Kidderminster, England. Filed Nov. 29, 1921. Serial No. 518,606. 10 Claims. (Cl. 139—47.)

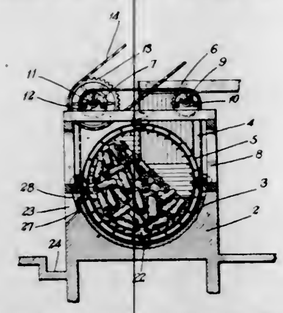


1. A loom for weaving pile fabrics having in combination means for raising and lowering the warp pile threads, hooks arranged longitudinally with respect to the warp pile threads and normally exterior to the raised warp pile threads, means for moving the hooks in an endwise direction to make their ends pass between the threads when in said raised position, a single reed, means for moving the dents of said reed laterally to displace the threads laterally with respect to the hooks and make the selected threads engage with the hooks for forming the pile loops, and means for moving said reed towards and away from the hooks to beat up the weft.

1,463,887. BARKING APPARATUS. HERBERT GUETTLER, Escanaba, Mich., assignor, by mesne assignments, to Fiber Making Processes, Chicago, Ill., a Corporation of Illinois. Filed Jun 4, 1[illegible]5. Serial No. 32,047. 11 Claims. (Cl. 144—20.)

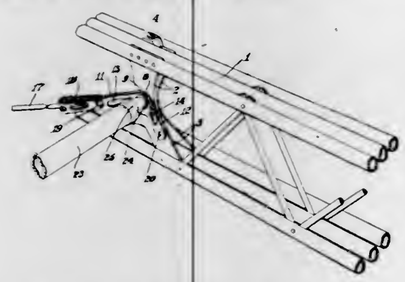
1. In a bark removing machine, the combination of a rotatable drum adapted to continuously receive blocks of wood at one end and to discharge them at the other end, said drum having bark discharging slots, a tank adapted

to contain water wherein the drum may rotate, said tank having a concave bottom which throughout is substantially concentric with the drum, endless chains support-



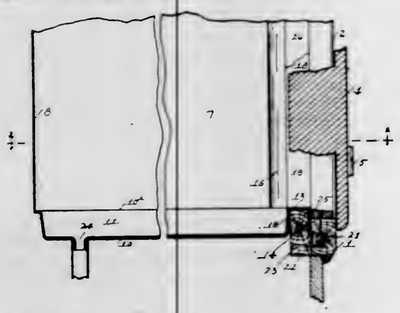
ing the drum, and means carried by the drum for continuously removing the bark from the tank as the drum rotates.

1,463,888. AIRCRAFT FITTING. CHARLES WARD HALL, Larchmont, N. Y. Filed Apr. 9, 1921. Serial No. 459,889. 16 Claims. (Cl. 244—31.)



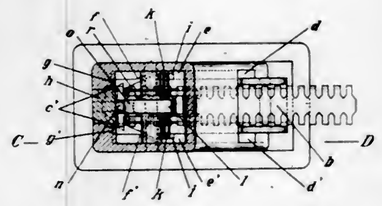
1. A joint fitting which comprises a curvilinearly cupped metallic plate having in the bottom of the cup an opening through which to pass a bolt and leading therefrom one or more integral arms curved at the rim in substantial conformity therewith.

1,463,889. REFRIGERATOR. HERBERT H. HILLMAN, Grand Haven, Mich., assignor to Challenge Refrigerator Company, Grand Haven, Mich., a Corporation of Michigan. Filed Apr. 23, 1921. Serial No. 463,841. 1 Claim. (Cl. 217—3.)



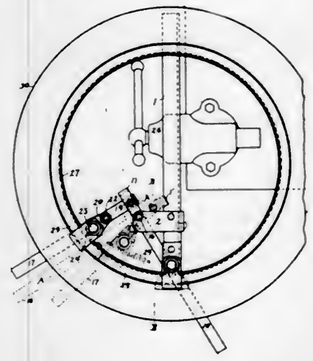
In a refrigerator and the like; a body having a door in its front side; an open-front lining for the body having sides adjacent its open front provided with outwardly turned flanges, and having a bottom provided with a raised rim comprising a first portion extending upwardly and substantially in the vertical plane in which lie the extremities of said flanges, a second portion extending beyond said flanges outwardly toward the door and a third portion extending downwardly from said second portion; retaining members fastened to the inside of the body and holding said flanges between them and the body; and a retaining member in substantially the same vertical planes as the first mentioned retaining members and engaging between said first and third portions and secured to the body.

1,463,890. STAPLING DEVICE. WILHELM HÖHN, Stuttgart, Germany. Filed June 24, 1922. Serial No. 570,756. 1 Claim. (Cl. 1—23.)



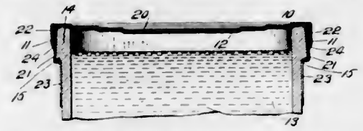
A device of the character described comprising a casing, a reciprocating plunger slidably mounted in said casing, a cam rotatably mounted in said casing, means carried by said plunger for actuating said cam, means to support a strip of staples in said casing, a staple strip feed slide at each side of said staple support, feed dogs carried by said feed slides adapted to engage said strip of staples, a bearing projecting upwardly from each of said feed slides and pins carried by said cam to engage within said bearings and cause a positive reciprocation of said slides for each reciprocation of said plunger.

1,463,891. RIM BREAKER. EDGAR HUNTER, Ossian, Ind. Filed Mar. 14, 1921. Serial No. 452,024. 2 Claims. (Cl. 157—1.)



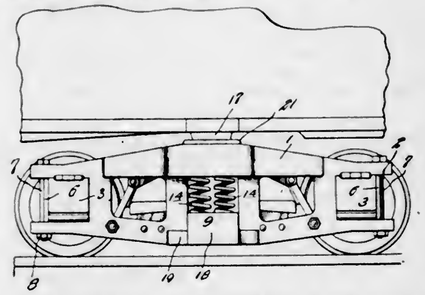
1. In a rim breaker, a stationary supporting member including a bracket; a rim clamping means fixed on said member; a primary lever pivotally supported by the bracket; a secondary lever pivotally supported by the former lever and adapted to be actuated thereby; and a clamping means pivotally supported by the secondary lever.

1,463,892. CLOSURE FOR JARS, TUMBLERS, AND OTHER RECEPTACLES. ALFRED INGRAM and HARRY INGRAM, Brooklyn, N. Y., assignors, by mesne assignments, to Hazel-Atlas Glass Company, Wheeling, W. Va., a Corporation of West Virginia. Filed June 23, 1920. Serial No. 391,053. 4 Claims. (Cl. 215—38.)



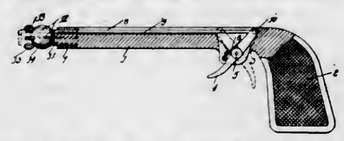
1. In combination with a receptacle, a closure therefor comprising a cap of thin, flexible and comparatively tender material having a depending skirt portion containing in its upper part an annular recess which extends around the upper side edges of the receptacle at the mouth thereof, a metal reinforce disk applied within the top of said cap and extending outwardly over the lip of the receptacle and the top of said recess, and a gasket within said recess and below the outer edges of said disk, said gasket being deformed to engage with sealing effect the wall of said recess, the lower surface of the outer peripheral portion of said disk and the side surface of the receptacle about the mouth thereof.

1,463,893. TRUCK FRAME FOR RAILWAY CARS. EMORY M. IVIE, Atlanta, Ga. Filed June 20, 1922. Serial No. 569,709. 2 Claims. (Cl. 105—197.)



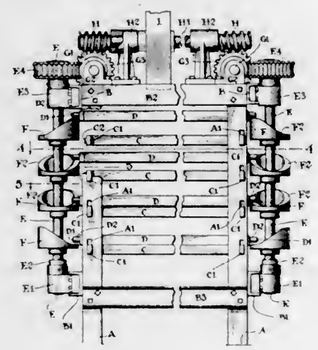
1. In a truck frame, the combination of side members, a spring plank detachably interlocked with and supported by said side members, a floating bolster yieldingly supported upon the said spring plank and detachably interlocked with the side members, the said interlocking of the floating bolster being effected by T heads at the ends thereof disposed in correspondingly shaped recesses in the side members and the said interlocking of the spring plank being effected by pendent flanges at the ends thereof arranged exteriorly of portions of the side members and having recesses inwardly of the pendent flanges and at opposite sides of the plank for permitting the same to snugly fit the truck frame.

1,463,894. MARBLE SHOOTER. JOSEPH SAMUEL JAFFE, New Haven, Conn., assignor of one-half to Abraham E. Levenson, New York, N. Y. Filed Oct. 16, 1922. Serial No. 594,825. 1 Claim. (Cl. 124—12.)



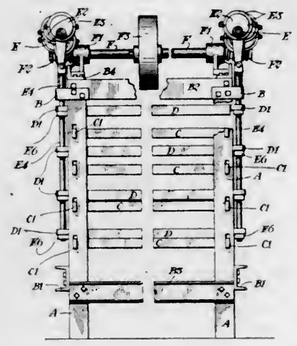
A device of the character described including a barrel, a projectile holder carried by said barrel and including a plurality of resilient members combining to form a projectile receiving compartment and encircling the major portion of a projectile, said members forming at their free ends a constricted outlet for said compartment of less area than the diameter of said projectile, and an ejector operable to force the projectile outwardly through said opening to initially spread said resilient members which thereafter contract to complete the ejection of said projectile from said compartment.

1,463,895. PRESS. CYRUS KEHR, Washington, D. C. Filed Apr. 10, 1922. Serial No. 551,344. 36 Claims. (Cl. 34—16.)



1. In an apparatus of the kind described, the combination with a supporting frame, of two groups of superposed horizontal platens, and means for lifting the platens of one of said groups at different times, substantially as described.

1,463,896. PRESS. CYRUS KEHR, Washington, D. C. Filed Apr. 17, 1922. Serial No. 553,756. 18 Claims. (Cl. 34—16.)

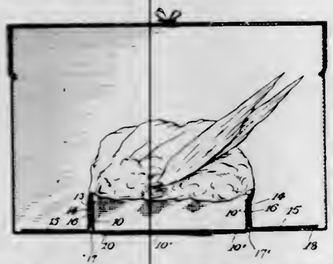


6. In an apparatus of the kind described, the combination with a supporting frame, of a group of superposed horizontal platens seated in the frame, a second group of platens alternating with the platens of the first group, groups of upright reciprocatory rods engaged to said platens, and means for lifting the groups of rods of different platens serially, substantially as described.

1,463,897. PROCESS OF MAKING SELF-COPYING WRITING PAPER. AXEL GUSTAF EMIL LUNDGREN, Norrkoping, Sweden. Filed Jan. 16, 1922. Serial No. 529,707. 2 Claims. (Cl. 91—68.)

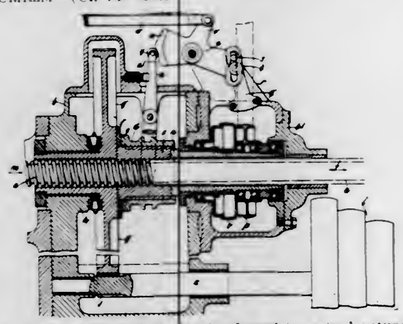
1. A process of making a self-copying writing-paper, which consists in preparing one side of the paper with an acid, that is capable of transforming paper into parchment-paper, and then coating this same side with a colouring matter.

1,463,898. HAT-HOLDING DEVICE. ELEANOR D. LUTZ, New York, N. Y. Filed July 15, 1922. Serial No. 575,357. 2 Claims. (Cl. 206—8.)



1. In a device capable of maintaining a hat within a box, a narrowing flexible metallic blank having a plurality of openings therein capable of receiving the narrower portion of a similar blank and means carried by the blank whereby it may be attached to a hat.

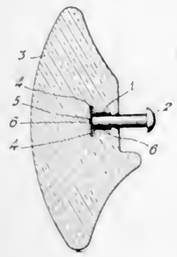
1,463,899. BROACHING AND SIMILAR MACHINE. JAMES MCKECHNIE, Barrow-in-Furness, England, assignor to Vickers Limited, Westminster, London, England. Filed May 20, 1919. Serial No. 298,424. 4 Claims. (Cl. 74—40.)



1. In a machine of the kind referred to, a tool actuating screw, a rotatable nut in engagement with said screw, mechanism for driving said nut in one direction to effect the operative movement of the screw, a clutch device for at will connecting said mechanisms to or disconnecting it from the nut, mechanism for driving the nut in the reverse direction to effect the return movement of the screw and means additional to said clutch device for connecting the second-mentioned mechanism to the nut when the latter has been disconnected from the first-mentioned mechanism.

1,463,900. ANCHORAGE FOR ARTIFICIAL TEETH. FREDERICK MAEULEN, Rahway, and GEORGE L. VAN ALLEN, Newark, N. J., assignors to Baker & Company, Inc., a Corporation of New Jersey. Filed Nov. 30, 1920. Serial No. 427,342. 2 Claims. (Cl. 32—9.)

2. The combination with an artificial tooth and a pin to be secured therein, of a cup member secured in said tooth to receive said pin and having a portion of the side walls of the cup pressed inwardly into contact with the bottom of the cup to form an exterior annular flange on

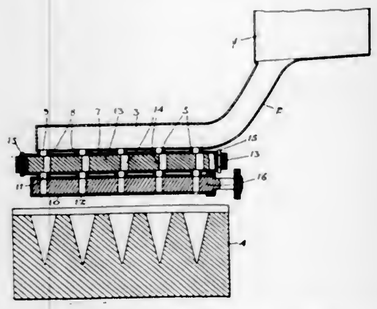


the cup comprising two thicknesses of the material of which said cup is formed, said flange positively holding the cup member within said tooth.

1,463,901. DESULPHURIZING ZINCIFEROUS SULPHIDE ORES. WALTER LANDON MAXSON, Palmerton, Pa., assignor to The New Jersey Zinc Company, New York, N. Y., a Corporation of New Jersey. Filed Aug. 20, 1920. Serial No. 404,783. 31 Claims. (Cl. 75—60.)

1. The process of desulphurizing zinciferous sulphide ores which comprises sintering an appropriate charge of the ore, said sintering operation being carried on by heat derived substantially from the burning of compounds of sulfur in the charge, and subjecting the resulting sinter for the most part in the form of lumps of substantial size to a roasting operation and thereby eliminating to the desired exent the remaining sulfur in the charge.

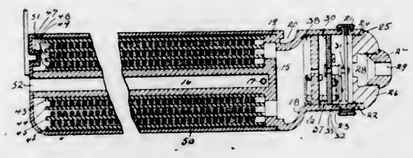
1,463,902. MEANS FOR DISPENSING SEMIFLUID MATERIALS. DAVID W. MITCHELL, Toronto, Ontario, Canada. Filed Dec. 2, 1921. Serial No. 519,546. 4 Claims. Cl. 107—28.)



1. A dispensing device, comprising, a container, a horizontally arranged feed tube leading from said container having openings leading therefrom, adjustable means for regulating the size of said openings, and a rotating member adapted to cut off the flow of the material.

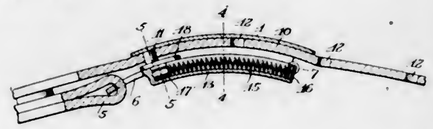
3. A dispensing device, comprising, a container, a tube leading from said container having openings leading therefrom, a casing secured to said tube having a cylindrical chamber with openings in both sides thereof registering with the openings in said tube, a rotary member arranged in said cylindrical chamber having openings therethrough registering with the openings in the casing, a bar having openings therethrough adapted to register with the openings in said tube and said casing, said bar being adjustably arranged between said tube and said casing, and means for holding said bar in adjusted positions.

1,463,903. HEATING UNIT. HENRY W. MITCHELL, New York, N. Y. Filed Nov. 12, 1921. Serial No. 514,723. 4 Claims. (Cl. 219—41.)



1. In a heating element a core member, electrical resistance conductors supported by said core member and a casing for said conductors, said casing and said core member each being provided with recesses and a supporting means adapted to be engaged in said recesses.

1,463,904. BELT BUCKLE. EDWIN S. MIX, Rochester, N. Y., assignor to Hickok Manufacturing Company, Inc., Rochester, N. Y., a Corporation of New York. Filed Mar. 30, 1922. Serial No. 548,170. 10 Claims. (Cl. 24—180.)

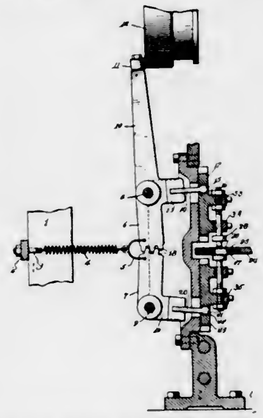


5. A belt buckle comprising a belt frame, a member to which one end of the belt is connected, mounted to swing on the frame, means for holding said member against movement, and yielding holding means for the free end of the belt, mounted on one of said parts and cooperating with the other to permit the expansion of the belt in the direcion of its length.

1,463,905. RUBBER COMPOSITION. NIELS D. NIELSEN, Elyria, Ohio. Filed May 31, 1918. Serial No. 237,509. 11 Claims. (Cl. 106—23.)

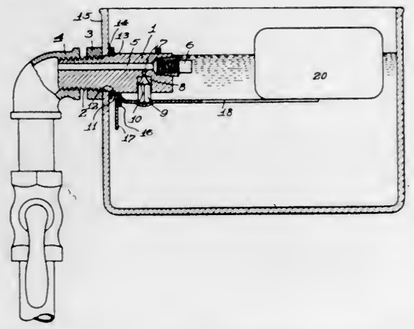
1. As an article of commerce, the combination of vulcanized rubber and fish scales.

1,463,906. METAL-STAMPING MECHANISM. ELOF NORDSTROM, Newark, N. J., assignor, by mesne assignments, to American Dan Bottle Seal Corporation, a Corporation of Delaware. Filed Nov. 11, 1919. Serial No. 337,201. 8 Claims. (Cl. 113—38.)



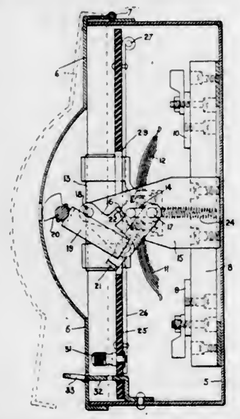
1. In a device of the character described, cap-holding means movable into and out of position for a cap therein to be operated upon, slides reciprocable towards and away from said cap-holding means, means carried by said slides and adapted to operate on the top and bottom surfaces of said cap, yieldably driven means for moving said slides toward each other, and means for moving said slides apart in opposition to said yieldable means and for releasing said slides to the operation of said yieldable means.

1,463,907. FLOAT-CONTROLLED VALVE. JOHN OLSON, Detroit, Mich. Filed Apr. 14, 1921. Serial No. 461,301. 3 Claims. (Cl. 137—104.)



1. A float valve comprising a body having a longitudinal perforation throughout its length, a removable means for closing the inner end of the perforation, a transverse bore through the side of the body communicating with the longitudinal bore, the inner portion of the transverse bore being smaller than the outer portion, a valve plunger longitudinally slidable within the outer portion of the transverse bore and having its inner end of a configuration to close the smaller portion of the bore, a float arm having a bent end, a hinge member comprising a plate having an opening therethrough, adapted to receive the body of the valve and having a second opening spaced from the first opening and adapted to receive the bent end of the float arm, the said float arm having a recess adapted to engage the outer end of the valve plunger and a float secured to the outer end of the float arm.

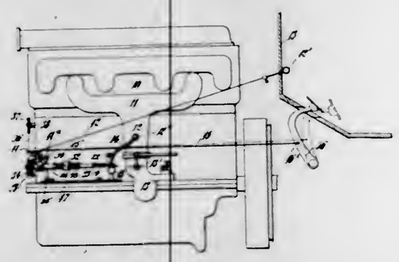
1,463,908. INCLOSED SWITCH. CLARENCE D. PLATT, Bridgeport, Conn. Filed Jan. 2, 1919. Serial No. 269,232. 3 Claims. (Cl. 200—168.)



1. A switch construction comprising a box and a cover hinged to one wall thereof, movable switch mechanism including fuse terminals within said box, a guard plate having an aperture through which said fuse terminals

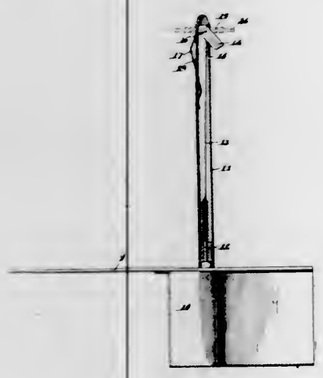
are adapted to project when the switch circuit is open, said plate being hinged within the box to swing about an axis parallel with the cover hinges, and a bracket secured to the box and adapted to extend through slots in the free ends of the guard and the cover and to limit closing movement of the guard, said bracket having a lug to engage and hold the cover.

1,463,909. AUTOMATIC AIR DEVICE FOR INTERNAL-COMBUSTION ENGINES. CHARLES A. RIVERS, El Paso, Tex.; Ara M. Rivers administratrix of said Charles A. Rivers, deceased. Filed Sept. 12, 1918. Serial No. 253,841. Renewed Jan. 30, 1922. Serial No. 532,898. 15 Claims. (Cl. 123—124.)



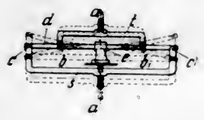
1. The combination, with an internal combustion engine and means for connecting it with a load or disconnecting it therefrom, of a governor adapted to be driven by said engine and controlling the proportionate supply of gases in the combustible mixture, and means for connecting said governor with the engine by the action of connecting the engine with the load, and disconnecting the governor from the engine simultaneously with the removal of the load from the engine.

1,463,910. COUNTING DEVICE. JACQUES ROUSSO, Los Angeles, Calif. Filed Jan. 13, 1919. Serial No. 270,876. 6 Claims. (Cl. 235—91.)



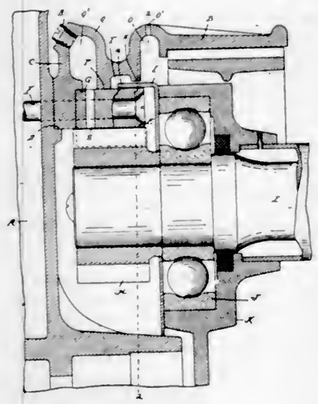
1. A counting device comprising a guide; counting means on said guide operable by the passage of articles thereon; a register operable by said counting means; and means, operable by said register, for locking said counting means against operation after a pre-determined number of operations thereof in position to prevent the passage of further articles, substantially as described.

1,463,911. SOUND PRODUCER AND RECEIVER. WILHELM RUDOLPH, Kiel, Germany, assignor to Firm Signal Gesellschaft m. b. H., Kiel, Germany. Filed Aug. 14, 1920. Serial No. 403,542. 10 Claims. (Cl. 181.—0.5.) (Granted under the provisions of the act of Mar. 3, 1921, 41 Stat. L., 1313.)



1. In a device for transferring sound vibrations, a radiating member, a structure capable of executing independent vibrations, and means attached to said radiating member and adapted to transmit vibrations between said radiating member and said vibratory structure, said means engaging the latter at points on opposite sides of and equidistant from the axis of symmetry of vibrations of the latter.

1,463,912. VEHICLE AXLE. ALBERT W. RUSSEL, Detroit, Mich., assignor to Russel Motor Axle Company, Detroit, Mich., a Corporation of Michigan. Filed May 29, 1919. Serial No. 300,671. 10 Claims. (Cl. 74—7.)

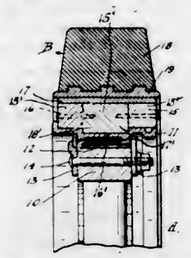


1. In an axle, the combination with a wheel, of a brake drum mounted thereon, an internal gear ring mounted within said brake drum concentric with the axis, a pinion in mesh with said internal gear, a closure arranged in a plane parallel to said internal gear and having a laterally extending annular flange closely fitting the external or peripheral surface of said ring, and an inward annular projection on said brake drum closely fitting the outer surface of said annular flange.

1,463,913. PROCESS OF DEHYDRATING GYPSUM. FRANCIS B. STUART and CHARLES A. RIVERS, El Paso, Tex.; Ara M. Rivers administratrix of said Charles A. Rivers, deceased. Filed Mar. 29, 1919. Serial No. 286,094. 3 Claims. (Cl. 222—6.)

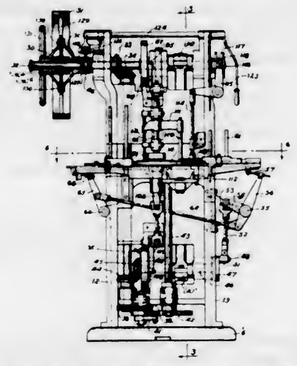
1. A process of dehydrating gypsum which consists in subjecting rock gypsum to steam pressure at approximately one hundred and fifty pounds for a period of approximately four hours, then shutting off the steam and after a reduction of the steam pressure by condensation, blowing off the remaining steam.

1,463,914. PERMANENT SUBSTITUTE TIRE. JOSEPH TOREN, Chicago, Ill. Filed Aug. 11, 1922. Serial No. 581,093. 2 Claims. (Cl. 152—23.)



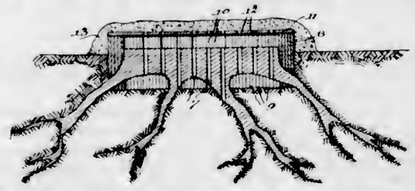
1. In a wheel structure, the combination with the felloe and demountable rim of a vehicle wheel and a circumferentially depressed portion formed in the rim, of a member mounted circumferentially with respect to the rim and having portions snugly fitting the depressed portion thereof, a band circumferentially surrounding the member, and a tire carrying plate pressed on the band.

1,463,915. GASKET-LINING MACHINE. MAGNUS E. WIDELL, Maywood, and WARREN A. SMITH, Geneva, Ill., assignors to American Can Company, New York, N. Y., a Corporation of New Jersey. Filed Feb. 28, 1921. Serial No. 448,625. 12 Claims. (Cl. 113—80.)



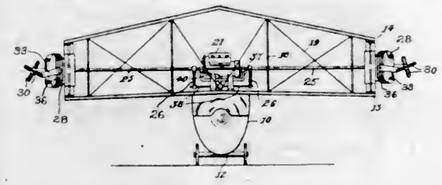
1. A machine for lining can ends with fiber gaskets, comprising an intermittently rotating turret, devices for feeding fiber blanks and can ends to said turret, and removable and replaceable holding parts having interior blank holding and gasket holding ledges, and corresponding die parts also removable for cutting gaskets of desired configuration and seating them in the flanges of the can ends.

1,463,916. PROCESS FOR REMOVING STUMPS. JOHN YEGEN, Bismarck, N. Dak. Filed Oct. 11, 1922. Serial No. 593,815. 5 Claims. (Cl. 110—21.)



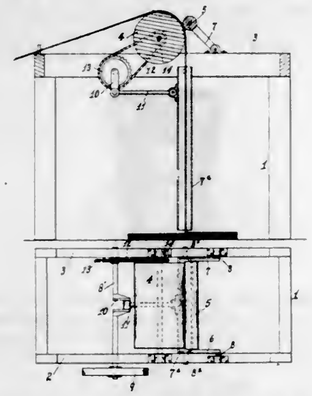
2. The process of removing stumps which consists in removing a sufficient amount of soil from about the stump to provide a fire pit around and beneath said stump, forming vertical air passages in the stump, filling the excavated space about the stump with fire wood, igniting the fire wood and then covering the fire wood and stump with soil.

1,463,917. AIRPLANE. HERBERT A. ZETTEL, St. Paul, Minn. Filed Nov. 18, 1919. Serial No. 338,836. 13 Claims. (Cl. 244—25.)



1. An air craft comprising a longitudinal frame work, a transverse aerofoil mounted on said frame work and extending outwardly beyond the same on the sides thereof, said aerofoil inclining laterally from the center point thereof to the outer ends, and vertically revoluble propellers positioned outwardly of the lowermost ends of the aerofoil adapted for exhausting the air above the aerofoil during the upward movement of the craft.

1,463,918. MACHINE FOR FOLDING TOWELS. JOSEPH N. BORROUGHS, Oakland, Calif. Filed Aug. 31, 1920. Serial No. 407,263. 1 Claim. (Cl. 270—79.)

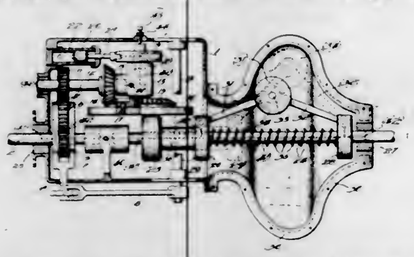


A machine for folding towels including a frame, a tubular pendulum pivoted at its upper end to the upper part of said frame, a shaft journaled on the upper part of said frame, a feed roller secured on said shaft with its periphery in alignment with the upper end of said tubular pendulum, a sprocket on said roller shaft, a crank shaft journaled in the upper part of said frame, a crank on said crank shaft, a pitman connecting said crank and the upper part of said pendulum, a sprocket on said crank shaft, a chain extending over the sprocket on said roller shaft and said crank shaft, a pair of arms journaled on the upper part of said frame, a pressure roller engaging said feed roller by gravity directly above the upper end of said pendulum, and means whereby said crank shaft may be driven.

1,463,919. TRANSMISSION MECHANISM. WILLIAM H. CLINGMAN, Chicago, Ill. Filed Jan. 13, 1922. Serial No. 528,930. 1 Claim. (Cl. 74—26.)

A transmission mechanism, comprising a drive shaft, a propeller shaft, and a transmission shaft for transmitting power from the drive shaft to the propeller shaft, gear wheels on said drive shaft and said transmission shaft adapted to rotate therewith, a swinging substan-

tially Y shaped yoke journaled on said drive shaft and spanning the gear wheel thereon, a forward drive gear carried by said yoke at one side and meshing and reversing gears carried by the opposite side of said yoke, means for shifting said yoke to throw either the forward drive speed gear in mesh with the gears on the drive shaft and the transmission shaft or the reverse gearing



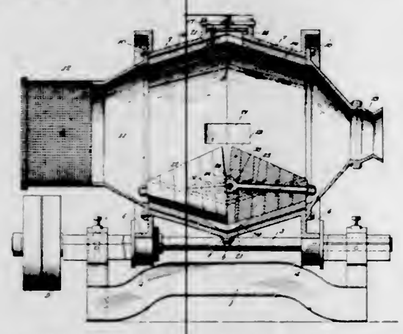
into mesh with said gears whereby the transmission shaft is driven in a forward or reverse direction, a friction disk geared to the opposite end of said transmission shaft, a support for said disk disposed at right angles to said transmission shaft, a friction drive wheel slidably mounted on said propeller shaft having its periphery contacting with the face of said friction disk, and means for shifting said drive wheel across the face of said disk to vary the speed of the propeller shaft.

1,463,920. FUEL VAPORIZER FOR INTERNAL-COMBUSTION MOTORS. THOMAS H. JAMESON and LOUIS G. MARTIN, Wichita, Kans. Filed Feb. 27, 1922. Serial No. 539,629. 2 Claims. (Cl. 219—38.)



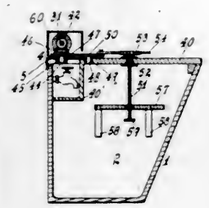
1. A gasket plate for a fuel vaporizer comprising a sheet of insulating material having a port opening therein, the said plate being split along the axial plane of the sheet from one end thereof inwardly to meet said port opening.

1,463,921. CRUSHER. OLIVER J. MOUSSETTE, Richmond Hill, N. Y. Filed Oct. 11, 1922. Serial No. 593,839. 6 Claims. (Cl. 83—9.)



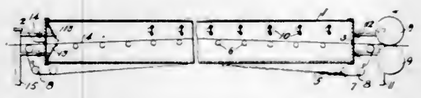
1. In a crusher of the drum and roller type, the combination with a tapered drum, of a tapered continuous metal lining therefor, the lining and the drum being provided with registering longitudinally extending grooves in their opposed surfaces, and a plastic binder filling the space between the drum and the lining and filling the said grooves to form keys preventing relative circumferential movement of the lining and the drum.

1,463,922. WASHING AND WRINGING MACHINE ATTACHMENT. TRUE D. MYERS, Oakland, Calif. Filed Mar. 30, 1921. Serial No. 457,080. 2 Claims. (Cl. 68—15.)



1. In a washing machine structure, a support having washing machine operating mechanism located thereon and adapted to be permanently fixed in position over the faucets of stationary laundry tubs, the support being so located over the faucets that it will not interfere with the ordinary use of said tubs, said washing machine driving mechanism comprising a motor and gearing adapted to transmit power from the motor for the purpose of operating washing machine structure, a cover adapted to enclose one of said tubs and to fit tightly around said support, washing mechanism supported by said cover so as to be suspended within said tub, and power transmitting mechanism supported by said cover and positioned so as to operatively connect the gearing on said support with said washing mechanism.

1,463,923. PAPER-DRYING MACHINE. CLARE NELSON, Brooklyn, N. Y., assignor, by mesne assignments, to Charles C. Orcutt. Filed Oct. 22, 1921. Serial No. 509,632. 10 Claims. (Cl. 94—48.)

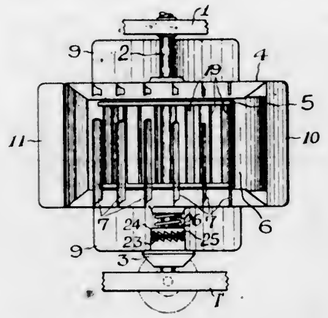


2. In a machine for drying paper, a casing through which the paper is adapted to be drawn, means within the casing for supporting the paper in its passage through the casing, means for circulating air through the casing, a source of radiant heat arranged within the casing above the paper for heating the air circulating through the casing, said casing having a transversely arched top acting as a reflector for the heat.

1,463,924. WIND TURBINE. YUKITERU OZAKI, Shirota-Mura, Japan. Filed May 3, 1922. Serial No. 558,212. 4 Claims. (Cl. 170—5.)

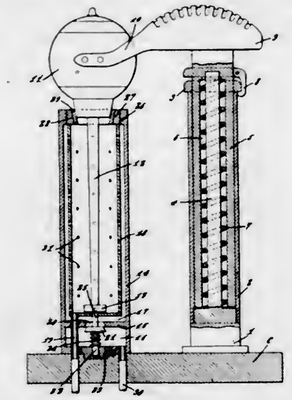
1. In a wind turbine, a cylindrical casing having an inlet opening, a plurality of deflecting vanes mounted in said casing and extending across said inlet opening, a rotary shaft passing through said casing, a turbine wheel having upper and lower substantially circular walls secured to said shaft, a plurality of reaction vanes extending between said walls adjacent the circumference thereof, the upper and lower walls of said casing being

provided with exhaust opening diametrically opposite to said inlet opening and the upper and lower walls of said turbine wheel being provided with a plurality of exhaust



openings each having an outwardly projecting vane arranged to direct the air towards the exhaust openings of said casing.

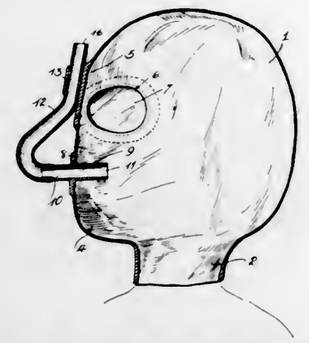
1,463,925. CLEANING DEVICE. CHARLES W. PUTT, Jerome, Ariz. Filed July 22, 1921. Serial No. 486,752. 2 Claims. (Cl. 141—1.)



2. A cleaning device of the class described comprising an imperforate housing having an open upper end equipped with a retaining ring, a perforated casing mounted in the housing beneath said ring, said housing having a transverse partition near its lower end with an opening in said partition, a spring pressed valve to normally close the opening in the partition and having a stem extending through said opening and loosely through the bottom of the casing to position it for engagement by an article to be cleaned to open the valve against the tension of its spring, the bottom of said housing having a fluid inlet opening therethrough beneath said partition, and a drain pipe opening through the bottom of the casing.

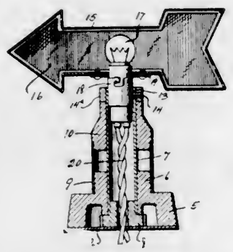
1,463,926. SWIMMING MASK. ERNEST FRED SCHNEIDT, Detroit, Mich. Filed July 1, 1920. Serial No. 393,306. 1 Claim. (Cl. 9—20.)

A swimming mask consisting of a head covering of flexible water-proof material constructed to completely envelop the head of the wearer and having a neck portion adapted to encircle the neck of the wearer and be held thereon by its own elasticity, the head covering being provided with thickened front portion and having glazed sight openings in said portion, an inhaling and exhaling tube forming a mouth piece passing through and being integral with the front portion of the head covering



below the sight openings, a sleeve on the exterior of the thickened front portion of the head covering, and a detachable tubular member adapted to form a continuation of the breathing tube and extending upwardly through and retained by said sleeve, terminating substantially level with the top of the forehead portion of the mask.

1,463,927. VEHICLE TRAFFIC SIGNAL. WILLIAM F. SHEELEY, Galesburg, Ill. Filed Feb. 5, 1923. Serial No. 617,131. 3 Claims. (Cl. 116—46.)

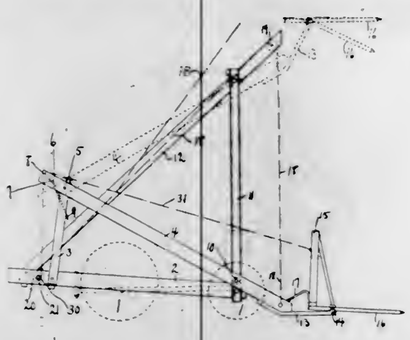


1. In a traffic signal, a base formed with a chamber and having an upstanding tubular bearing, a hollow standard telescoped onto said bearing, an upper bearing having a reduced lower end telescoped into the upper end of said standard, a hollow shaft having its end portions journaled in said bearings, a hollow pointer having light transmitting sides and provided with a depending lamp socket telescoped into the hollow shaft, a gear within said chamber having a reduced hub telescoped into the lower end of a hollow shaft, guide extensions on the base, the base being formed with guide slots extending through said extensions and intersecting the chamber, and a longitudinally movable rack bar slidable along said slots and meshing with said gear.

1,463,928. PUSH RAKE. CHARLES W. SIEMERS, Cedar Point, Ill. Filed Dec. 20, 1920. Serial No. 432,147. 2 Claims. (Cl. 214—131.)

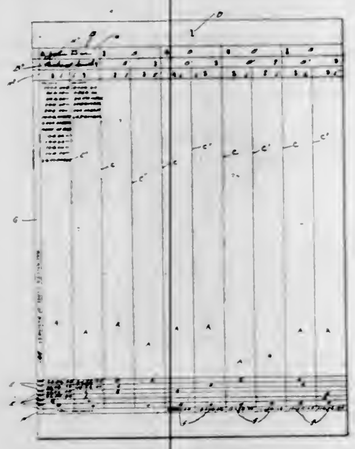
1. In a push rake, a self-propelled vehicle, a frame mounted on said vehicle, a bar, a link pivotally connected to said frame and said bar, a rake pivotally mounted on

the end of said bar, a roller journaled on said bar, members for guiding said roller, means mounted on the frame connected to the rake for raising and lowering



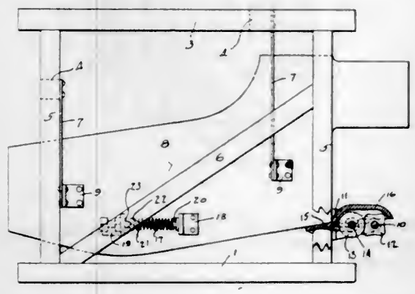
same and means for maintaining said rake in its loaded position and mechanism for tripping the rake to discharge its load.

1,463,929. FORM FOR MACHINE BOOKKEEPING. WILLIAM CHURCH TAYLOR, Buffalo, N. Y. Filed Feb. 8, 1919. Serial No. 275,709. 5 Claims. (Cl. 283—66.)



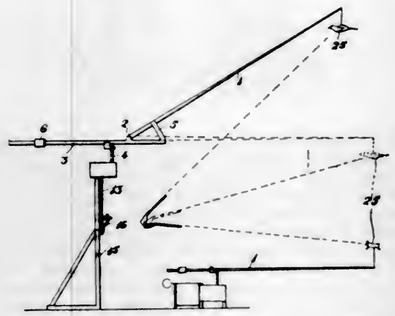
1. A form for machine bookkeeping having a plurality of spaced vertical lines forming a plurality of vertical columns, each appropriately designated for use as an account column and each adapted to be used as a combined debit and credit individual account column, a plurality of spaced horizontal lines across the form near the top margin thereof forming transverse spaces, alternate ones of said vertical lines extending across the lowest of said transverse spaces only and the others of said vertical lines extending substantially to the top margin of the form, to form a pair of transverse column spaces each equal in width to one of the first-mentioned vertical column spaces and a pair of transverse spaces each equal in width to the corresponding number of said column spaces, each of the wider of said transverse spaces being designed to receive a name, a symbol in each column space and a symbol in each name space corresponding to the symbol in the column space beneath it, the column symbols and the name space symbols being placed near each other to facilitate identification.

1,463,930. SHAKER MECHANISM FOR MILL MACHINERY. FRANK J. TEMPLE, Decatur, Ill. Filed Oct. 21, 1920. Serial No. 418,406. 2 Claims. (Cl. 130—15.)



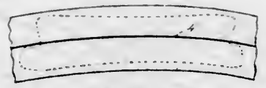
1. In a machine of the character described, in combination, with a resiliently supported shaker-screen, brackets connected to the lower edge of one end of said screen and having overlying protecting cover plates, rollers journaled in said brackets beneath said cover plates, an operating shaft, multiple point cams on said shaft and in contactual relation with said rollers, and yielding means between the screen and frame-work to hold the rollers in contact with said cams.

1,463,931. APPARATUS OR DEVICE FOR USE WHEN TEACHING OR PRACTICING SHOOTING, PARTICULARLY GAME SHOOTING. ALBERT NAPOLEON TUCKER, Gerrard's Cross, England. Filed June 27, 1921. Serial No. 480,928. 1 Claim. (Cl. 124—16.)



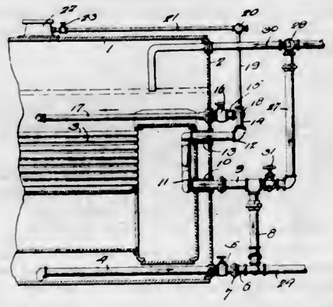
Apparatus of the kind described, comprising a radial arm, a target carried thereby, an element mounted for oscillation and by which said arm is carried, a vertically movable rod on said element, means to actuate said rod and cause the same to impart vertical oscillations to said arm, said means including a speed varying element, and a brake mechanism for said oscillatingly mounted element, actuated intermittently by said speed varying element.

1,463,932. COLLAR. JOHN MANNING VAN HEUSEN, Boston, Mass., assignor to Van Heusen Products, Inc., a Corporation of Delaware. Filed Aug. 4, 1919. Serial No. 315,109. 2 Claims. (Cl. 2—67.)



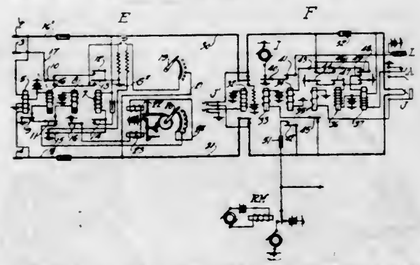
1. An article of wearing apparel of multiply fabric, having a portion of the inner face removed on a curvilinear line near the central portion of the said article to form a line of increased flexibility on which it folds, and leaving the outer face intact.

1,463,933. MARINE BOILER. RICHARD WALSH, Mobile, Ala. Filed Nov. 28, 1919. Serial No. 341,067. 1 Claim. (Cl. 122—414.)



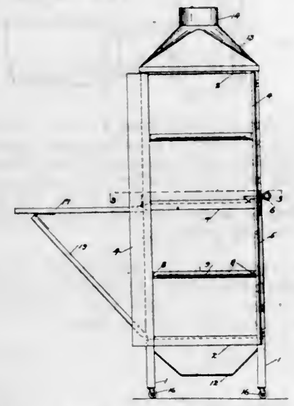
In a boiler, a heater coil, a pipe extended within the lower portion of the boiler and provided outside the boiler with a valve, a pipe connected with said pipe, a pipe rising from the last-named pipe, a lateral branch therefrom connected with said coil, a pipe leading from the upper part of the coil, an upwardly-extended pipe leading from the last-named pipe and having a lateral branch with a valve, a pipe connected with said branch and extended within the upper part of the boiler below the water line, a steam pipe connected with the steam dome and with said branch and provided with a valve, a pipe extended upwardly and connected with the boiler and having means for connection with a feed pump, and a three-way valve controlling the flow from the feed pump, the flow to the boiler, and the flow through said pipe to the heater coil.

1,463,934. INTEROFFICE TRUNK CIRCUITS FOR TELEPHONE SYSTEMS. FRED L. BAER, Berwyn, Ill., assignor to Automatic Electric Company, Chicago, Ill., a Corporation of Illinois. Filed June 18, 1920. Serial No. 389,818. 6 Claims. (Cl. 179—27.)



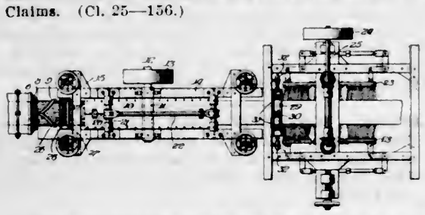
1. In a telephone system, means for connecting calling and called lines comprising a trunk line extending to an operator's position, automatic switching mechanism whereby a calling subscriber can connect with said trunk line upon calling less than the total number of digits in a telephone number, and means individual to said trunk-line operated responsive to the calling of the remaining digits in the number for signalling the operator.

1,463,935. BARBECUE STOVE. JOE BOND, Bessemer, Ala. Filed Aug. 15, 1921. Serial No. 492,216. 2 Claims. (Cl. 126—14.)



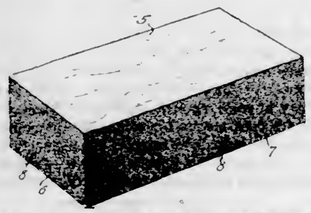
1. A barbecue stove comprising a vertically elongated body having a metallic frame work with metal sides and back mounted thereon, a plurality of superposed cooking racks, a fire grate, and a pair of doors at the front extending from top to bottom of the body and exposing said racks.

1,463,936. METHOD OF FORMING TEXTURE BRICK. FRANK W. BUTTERWORTH, Danville, Ill., assignor to Western Brick Company, Danville, Ill., a Corporation of Illinois. Filed Oct. 27, 1921. Serial No. 510,837. 9 Claims. (Cl. 25—156.)



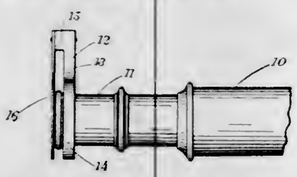
1. The method of forming texture bricks comprising applying sand to the surface thereof and thereafter stippling said surface.

1,463,937. SANDED TEXTURE BRICK. FRANK W. BUTTERWORTH, Danville, Ill., assignor to Western Brick Company, Danville, Ill., a Corporation of Illinois. Filed Jan. 9, 1922. Serial No. 527,813. 10 Claims. (Cl. 72—36.)



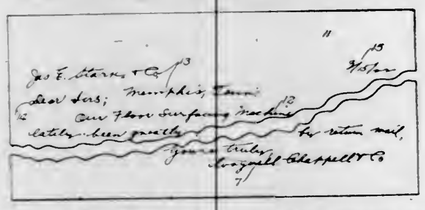
1. A brick or the like having a substantially plane surface, said surface being broken by a series of spaced deformations, and a film of sand upon the undeformed surface of the brick.

1,463,938. MICROSCOPE ATTACHMENT. WILLIAM T. CARTER, Hot Springs, Ark. Filed July 6, 1920. Serial No. 394,173. 1 Claim. (Cl. 88—40.)



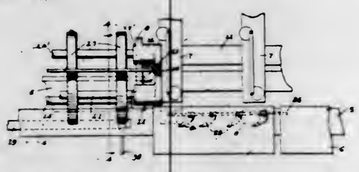
As an article of manufacture, a microscope attachment comprising a stem having a resilient split ring at one end lying in the plane of the stem and a boss rising from the plane of the stem at the other end thereof, and a disk having a stem pivotally mounted at one end on the boss and movable in a plane parallel to and transversely of the first stem and to the ring.

1,463,939. METHOD OF PRODUCING SIMULATED LONGHAND-WRITTEN LETTERS. ARTHUR E. CHAPPELL, Waukegan, Ill. Filed Apr. 1, 1922. Serial No. 548,622. 3 Claims. (Cl. 101—426.)



1. The method of producing simulated longhand written letters which consists in, writing the form portion of a form letter in longhand, making an etched plate therefrom, reproducing from said plate a plurality of etched form letters, and adding in longhand to said etched form letters with ink and penmanship simulating said etched form letters, the individual characteristics necessary to produce complete letters each having the appearance of being an individual longhand written letter.

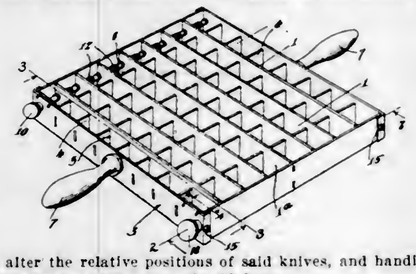
1,463,940. BOOK-STITCHING MACHINE. MARTIN CHRISTENSEN, Racine, Wis., assignor to Christensen Machine Co., Racine, Wis., a Corporation of Wisconsin. Filed Dec. 13, 1919. Serial No. 344,697. 2 Claims. (Cl. 1—7.)



1. In a book stitching machine, the combination of a stitcher, a signature support, means for feeding signatures along said support to said stitcher to be stitched and then away from said stitcher after the stitching operation, delivery rolls, delivery roll shafts carrying said rolls, a bearing member for said roll shafts so arranged that the stitcher may operate upon a signature adjacent the ends of said shafts, and means for removing the completed signatures from the signature support immediately after they have been fed past the center of the stitcher by said feeding means and presenting them to the delivery rolls.

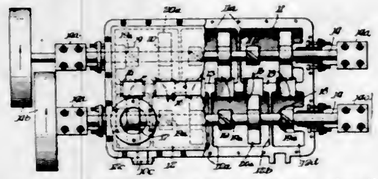
1,463,941. CUTTING DEVICE. PHILIP CUSIMANO, Los Angeles, Calif. Filed Nov. 2, 1922. Serial No. 598,494. 6 Claims. (Cl. 146—7.)

1. In a device of the kind described, the combination of a frame, a plurality of knives movably mounted thereon, and having threaded gaps at their ends, a member having threads engaging said knives at said gaps and operating



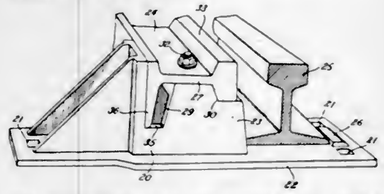
to alter the relative positions of said knives, and handles carried by opposite sides of said frame.

1,463,942. PULP BREAKER. ELLEF ELLEFSON, Appleton, Wis. Filed July 24, 1922. Serial No. 576,980. 11 Claims. (Cl. 92—20.)



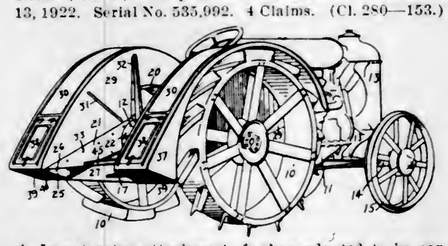
1. In a machine of the class described, a plurality of cylinders arranged side by side and provided with communicating ports therebetween, an inlet and an outlet, and means for causing the pulp in its passage through said machine to flow back and forth from one of said cylinders to the other through said ports.

1,463,943. GUARD-RAIL CHAIR. BERNARD J. FALLON, Chicago, Ill. Filed Jan. 13, 1923. Serial No. 612,459. 9 Claims. (Cl. 238—20.)



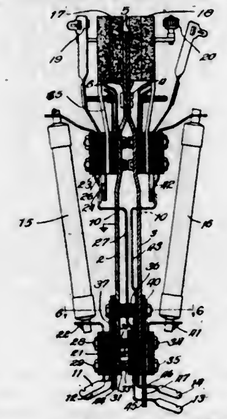
1. The combination with the running rail, of a guard rail supporting block, a guard rail resting on and secured to said block with its web in substantially horizontal position, and a base plate extending beneath said running rail and said block and attached thereto.

1,463,944. TRACTOR ATTACHMENT. WALTER T. FISHLEIGH, Detroit, Mich., assignor to Ford Motor Company, Detroit, Mich., a Corporation of Delaware. Filed Feb. 13, 1922. Serial No. 535,992. 4 Claims. (Cl. 280—153.)



4. In a tractor attachment, fenders adapted to be carried by the tractor and rigidly supported therefrom, and a combined bumper, tool box, and sand pad device mounted on and secured to the rear portion of said fenders.

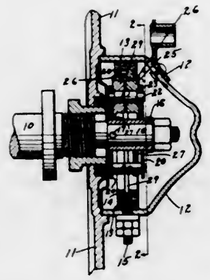
1,463,945. PROTECTIVE DEVICE. GEORGE R. FOLDS, Evanston, Ill., assignor to Cook Electric Company, Chicago, Ill., a Corporation of Illinois. Filed Mar. 19, 1920. Serial No. 367,192. 13 Claims. (Cl. 179—98.)



Line Side. Switchboard Side.

1. In a device of the character described, line terminals and switchboard terminals, circuits there-between embodying protective apparatus, and a panel comprising spaced walls, the circuits from said protective apparatus to said switchboard terminals passing between the walls of said panel.

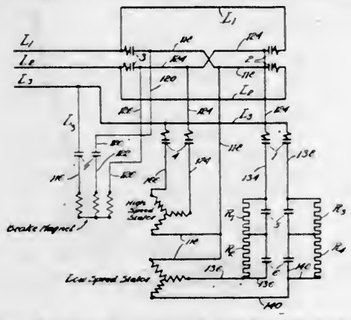
1,463,946. TIMER FOR IGNITION SYSTEMS FOR INTERNAL-COMBUSTION ENGINES. JOSEPH GALAMB, Detroit, Mich., assignor to Ford Motor Company, Highland Park, Mich., a Corporation of Delaware. Filed Dec. 20, 1920. Serial No. 431,987. 3 Claims. (Cl. 200—26.)



2. In a commutator structure, a pair of spaced resilient arms having alined openings of irregular shape at one end, a pin extended between said ends having contracted end portions shaped to enter and fit said openings, dished washers having similar openings mounted on the contracted portions between the arms, and a two part roller mounted on the pin between the washers, the outer surfaces thereof being recessed to correspond to the dishing of the washers.

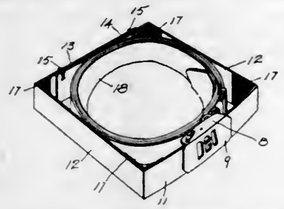
1,463,947. CONTROL SYSTEM. ADOLPH A. GAZDA, Chicago, Ill., assignor to Kaestner & Hecht Company, Chicago, Ill., a Corporation of Illinois. Filed Feb. 7, 1921. Serial No. 442,927. 19 Claims. (Cl. 172—179.)

2. In electrical power equipment, a controller, a motor, a set of switches and resistances for automatically and progressively bringing the motor through a speed gradient to a predetermined final speed, another switch for bringing the motor to a different predetermined final speed, and means beyond the control of the operator for preventing



operation of said last mentioned switch until said set of switches has finished its automatic action, and for a predetermined length of time thereafter.

1,463,948. BELT BOX. ALBERT A. GEIMER, St. Louis, Mo. Filed Oct. 6, 1922. Serial No. 592,684. 4 Claims. (Cl. 206—44.)



1. A belt box comprising an exterior casing normally open along one side, and a collapsible and bottomless drawer formed from a single piece of material adapted to be inserted through the buckle of a belt, said drawer adapted to be inserted in said casing whereby a side of said drawer closes the opening in said casing and leaves the belt buckle exposed.

1,463,949. GARMENT FASTENER OR HOLDING DEVICE. EVELYN GERBER, Chicago, Ill. Filed Mar. 23, 1922. Serial No. 546,097. 3 Claims. (Cl. 24—224.)

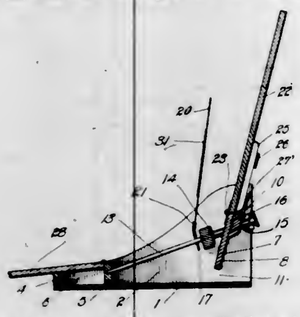


1. A garment fastening or holding clip embodying a body having a slot therethrough and within the confines of the edges thereof, one end of the slot being enlarged and forming an entrance to the other end of the slot, a spring tongue integral with the said body and extending in a direction across the slot intermediate the ends of the slot to form with the walls of the slot two unobstructed separated slot sections and operating as a closure for the smaller portion of the slot, said closure being yieldable only in a direction transverse to the length of the said slot whereby one edge of the closure will form a rigid abutment extending across the slot.

1,463,950. SAMPLE RACK. MAX GOLDBERGER, Kansas City, Mo. Filed Dec. 31, 1921. Serial No. 526,445. 7 Claims. (Cl. 129—4.)

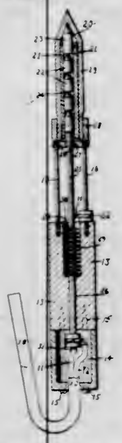
1. A sample rack comprising a base having a floor, two side walls on the floor of progressively increasing widths from one edge of the floor to the other whereby one end

of each side wall is wider than the opposite end, a back connecting the side walls, a vertically disposed panel hinged to the back and having a rack on its rear face, a



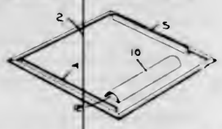
bar carried by the rigid back and constituting a bottom for the rack when the panel is in an upright position, and means in front of the back for supporting sample cards.

1,463,951. ELECTRICAL HEATING UNIT. FREDRICK J. GROVEN, Highland Park, Mich., assignor to Ford Motor Company, Highland Park, Mich., a Corporation of Delaware. Filed Nov. 12, 1920. Serial No. 423,561. 5 Claims. (Cl. 219—26.)



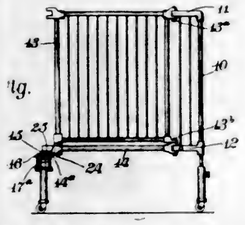
1. In an electrical heating device, a resistance unit comprising a bar of material of relatively high electrical resistance, said bar having constricted portions therein, and means for establishing an electrical circuit therethrough.

1,463,952. COVER FOR SET TUBS. WALTER W. HAMILTON, Woburn, Mass., assignor of one-half to Henry L. Colwell, Lowell, Mass. Filed May 5, 1922. Serial No. 558,585. 3 Claims. (Cl. 220—24.)



1. A cover for a set tub comprising a metal body of a size to cover the tub and having an elongated opening near one edge, a valley secured to the cover beneath the opening adapted to catch the drip from the faucets, the ends of the valley being open beneath the cover.

1,463,953. INFANT'S CRIB. GEORGE L. HEMPY, Truro Township, Franklin County, Ohio. Filed Apr. 3, 1922. Serial No. 549,012. 5 Claims. (Cl. 5—95.)



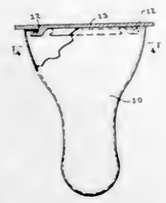
1. A folding crib for a standard bed, comprising, in combination, a side frame and end gates hinged thereto to swing toward the side frame, and a pair of end rails hinged to the opposite ends of said side frame for hingedly connecting the crib to the bed, said end rails swinging in parallel relation when the side frame is moved toward and from the bed.

1,463,954. FOOD PRODUCT AND PROCESS OF PREPARING THE SAME. CHARLES W. HESS, Evanston, Ill. Filed Feb. 23, 1922. Serial No. 538,770. 7 Claims. (Cl. 99—11.)

5. The process which consists in steaming a cereal in the presence of a leavening agent, drying the steamed cereal, and baking it until crisp.

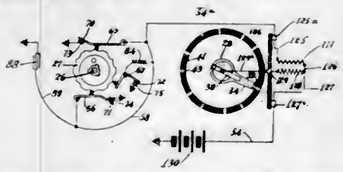
7. A food product consisting of leavened and baked grains of cereal covered with a brittle moisture proof shell.

1,463,955. BATHTUB LEG. GOTTLOB F. HONOLD, Sheboygan, Wis., assignor to Honold Manufacturing Company, Sheboygan, Wis., a Corporation of Wisconsin. Filed Nov. 27, 1922. Serial No. 603,598. 6 Claims. (Cl. 4—27.)



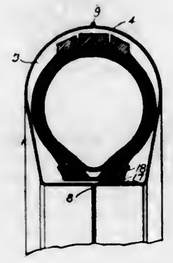
1. The combination with a bath tub having dove-tail flanges of a sheet metal leg, a flange formed on the end of said leg by bending the edge thereof, said flange engaging said dove-tail flanges and interengaging means on said flanges for locking said leg in place.

1,463,956. IGNITION SYSTEM. JOHN H. HUNT, Dayton, Ohio, assignor to The Dayton Engineering Company, a Corporation of Ohio. Filed Jan. 2, 1918. Serial No. 209,844. 25 Claims. (Cl. 123—148.)



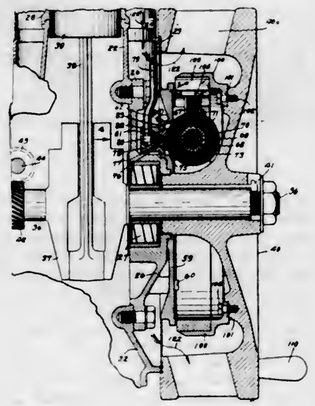
1. In an ignition system for internal-combustion engines, the combination with means for producing sparking impulses, which upon normal operation of the engine will provide ignition; of means operating upon reversal of the engine for weakening the sparking impulses to a degree such that ignition will not be provided.

1,463,957. TIRE CARRIER. PARKER S. JOHN, Dayton, Ohio. Filed Apr. 21, 1921. Serial No. 463,309. 9 Claims. (Cl. 224—29.)



8. A tire carrier including a permanently mounted annular casing section open at the front and adapted to support a tire therein, a corresponding detachable casing section open oppositely to the permanently mounted section and adapted to form a joint therewith when said casing is assembled, and a plurality of resilient elements mounted on the inner wall of the permanently mounted section to support the rim of a tire out of contact with said wall and prevent the same from rattling, said resilient elements constituting the sole-support for the rim of the tire.

1,463,958. MAGNETO IGNITION SYSTEM. CHARLES F. KETTERING, Dayton, Ohio, assignor to Delco-Light Company, Dayton, Ohio, a Corporation of Delaware. Filed Mar. 25, 1920. Serial No. 368,789. 9 Claims. (Cl. 123—149.)

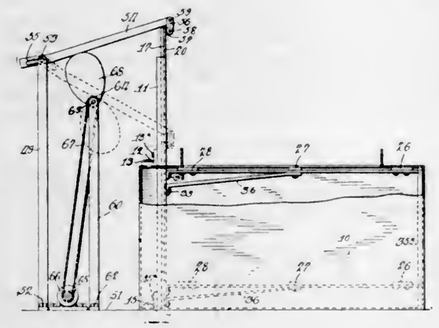


1. In a device of the kind described, the combination with an engine comprising a flywheel cooling fan; of means carried by the engine frame and flywheel fan adapted to cooperate to form a housing within the flywheel fan; and a magneto-generator having stator and rotor elements carried within said housing by the engine frame and flywheel fan respectively.

1,463,959. PROCESS FOR OXIDIZING PHOSPHORUS. BETHUNE G. KLUGH, Anniston, Ala., assignor to Federal Phosphorus Company, Birmingham, Ala., a Corporation of Alabama. Filed June 14, 1920. Serial No. 388,821. Renewed Oct. 7, 1922. Serial No. 593,142. 9 Claims. (Cl. 204—31.)

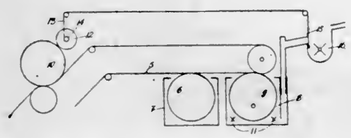
5. A process consisting of electrically smelting phosphatic material with a carbonaceous reducing agent, and evolving vapor of phosphorus together with carbon monoxide gas, and conducting air so as to effect a thorough mixing thereof with said phosphorus vapor immediately after its evolution, the air being restricted in quantity to that sufficient to oxidize only said phosphorus without appreciable oxidation of the accompanying carbon monoxide.

1,463,960. DIPPING APPARATUS. EDWARD KRAFT, Chicago, Ill. Filed May 11, 1921. Serial No. 468,571. 2 Claims. (Cl. 91—46.)



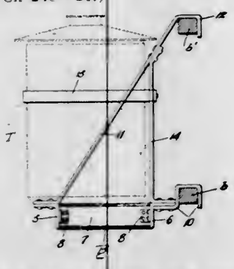
2. In combination with a dipping tank, of a plurality of vertically extending guide members having guide-ways therein, slidably mounted members in said guide-ways, a movable dipping rack secured to said slidably mounted members, means connecting the said slidably mounted members, a rocker arm secured to said connecting means, and a power operated eccentric member whereby said rocker arm is actuated.

1,463,961. COLORED CEMENT COMPOSITION AND METHOD FOR PREPARING THE SAME. JOHN W. LEDEBOER, Ambler, Pa., assignor to Asbestos Shingle, Slate & Sheathing Company, a Corporation of Pennsylvania. Filed Dec. 18, 1919. Serial No. 345,855. 5 Claims. (Cl. 18—48.)



1. A product comprising a sheet or slab having an interior body portion of fibre and set hydraulic cement having a characteristic color, and a surface film of cementitious material and coloring matter having a color different from that of said body portion homogeneously mixed throughout said film which is pressed together with said body portion and set therewith as a solid, integral mass having its interior of one color and its surface film of a different color.

1,463,962. TRANSFORMER-TANK SUPPORT. LEWIS G. MCCLINTOCK, Pittsburgh, Pa., assignor to Pittsburgh Transformer Company, a Corporation of Pennsylvania. Filed Dec. 9, 1921. Serial No. 521,210. 3 Claims. (Cl. 248—20.)



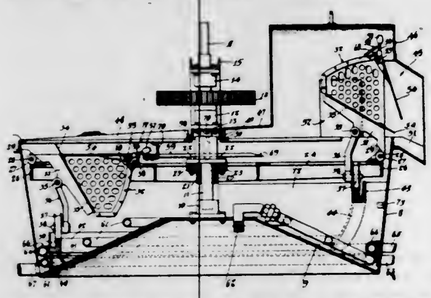
1. A support for a transformer tank comprising a flat base, and side frames of stock material cut to length and fastened rigidly together and to the base and formed with hook means for suspending said base, and a retaining strap member fastened between said side frames and adapted to surround the transformer tank below the cover, said base and side frames forming a unitary removable support adapted to hold a transformer tank and permit its vertical removal from said support.

1,463,963. ROOT-CANAL POINT. GEORGE L. MILLER, St. Louis, Mo. Filed Aug. 10, 1921. Serial No. 491,069. 1 Claim. (Cl. 32—32.)



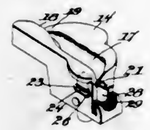
A root canal point, composed of a tapering body of pliable material, and a small silver wire embedded centrally in said body and extending nearly to the end of the pointed extremity thereof and being perfectly smooth throughout its length to permit withdrawal of the wire from said body when both are in a root canal to leave the body in the canal.

1,463,964. APPARATUS FOR TREATING VEGETABLES OR FRUIT WITH A SKIN-LOOSENING AGENT. HARRY M. MILLER, South Pasadena, Calif., assignor to National Peeling Machine Company, Los Angeles, Calif., a Corporation of California. Filed Dec. 12, 1921. Serial No. 521,594. 4 Claims. (Cl. 146—14.)



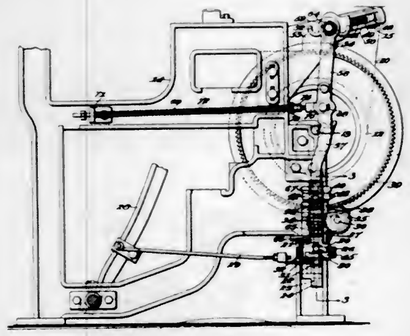
1. In an apparatus of the character described, the combination of a tank, a carrier movably mounted in the tank, means to move the carrier, baskets tiltably mounted on the carrier, and means to tilt the baskets into position to discharge over the rim of the tank.

1,463,965. SELF-THREADING SHUTTLE. JONAS NORTHROP, Hopedale, Mass., assignor to Hopedale Manufacturing Company, Milford, Mass., a Corporation of Massachusetts. Filed Aug. 11, 1919. Serial No. 316,545. 5 Claims. (Cl. 139—223.)



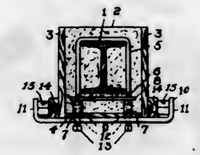
3. A thread block for self-threading shuttles having a longitudinal thread passage, means for guiding the thread to the delivery eye of the shuttle, a guard subdividing a portion of the thread passage and a second guard above the first guard extending from one wall to a point beyond the inner end of the other wall of the thread passage, to prevent the escape of the thread therefrom in a vertical direction.

1,463,966. LET-OFF MECHANISM. JONAS NORTHROP, Hopedale, Mass., assignor to Hopedale Manufacturing Company, Milford, Mass., a Corporation of Massachusetts. Filed Feb. 19, 1920. Serial No. 359,890. 2 Claims. (Cl. 139—110.)



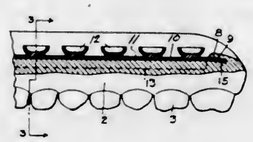
2. A let-off and take-back mechanism for looms having, in combination, a bracket adapted to be attached to the loom frame, bearings on the bracket, a vertical shaft mounted in the bearings, two ratchet wheels provided with oppositely disposed teeth secured to the shaft, a pawl lever, two pawls pivoted on the pawl lever, the one in a position to engage one of the ratchet wheels, and the other in a position to engage the other ratchet wheel, connections between the pawl lever and the lay for oscillating the pawl lever, a shield pivotally mounted on the shaft and provided with an upwardly extended pin, said shield being interposed between the pawls and the ratchet wheels and of sufficient width to prevent the contact of the pawls with either of the ratchet wheels throughout their entire strokes, a brake drum mounted on the shaft and secured thereto, a whip roll and a whip roll arm extending from the whip roll downwardly and provided on its lower end with a right angle portion having a slot adapted to receive the upwardly extended pin of the pawl shield, and driving connections between the shaft and the warp beam.

1,463,967. HANGER DEVICE FOR CONCRETING STRUCTURAL BEAMS. SANFORD I. PEDIGO, Pittsburgh, Pa. Filed Aug. 30, 1922. Serial No. 585,136. 3 Claims. (Cl. 25—131.5.)



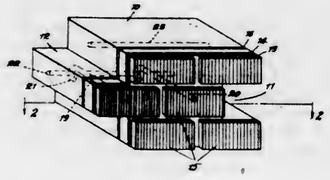
1. A supporting device for concreting structural beams comprising a reinforcing hanger having depending portions provided with threaded ends and straddling said beam, a sleeve coupling mounted on each of said depending ends, a tie bar having vertically disposed members, and a bolt extending through said tie bar and engaging with each of said sleeve couplings for securing the concrete form in position.

1,463,968. DENTURE. JACOB PETRY, Pittsburgh, Pa. Filed July 2, 1921. Serial No. 482,190. 2 Claims. (Cl. 52—4.)



1. In a denture having a depression formed therein, a rubber plate having suction-cups carried thereby in said depression, and having a longitudinally extending projection engaging a correspondingly shaped groove formed in said denture and cemented therein.

1,463,969. INTERLOCKING BUILDING BLOCK. CHARLES PIPITONE, Brooklyn, N. Y., assignor, by direct and mesne assignments, to Interlocking Construction Corporation, a Corporation of New York. Filed May 27, 1922. Serial No. 564,189. 9 Claims. (Cl. 72—36.)



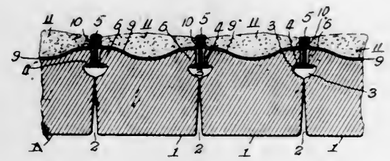
1. An interlocking building block, comprising a substantially rectangular body part of cementitious material having in one of its ends a transversely disposed groove and having on its other end in alinement with the groove a transverse extension member of smaller dimensions than the size of the groove, a plate of cementitious material on the front facing of the body part, having protruding spaced sections colored and relatively arranged so as to represent a number of structurally laid bricks or stones, and an intersticed plate between the body part and said colored plate.

1,463,970. DRAW-OFF FOR ELECTRIC FURNACES. FREDERICK POPE, New York, N. Y. Filed Nov. 20, 1920. Serial No. 425,341. 5 Claims. (Cl. 204—64.)



1. In a furnace of the character described, in combination, an enclosure for the reaction space including a bottom wall having an opening, a plug loosely fitting said opening, and controllable means to heat or cool said plug for the purpose described.

1,463,971. FIRE ARCH. HERMAN A. POPPENHUSEN, Hammond, Ind., assignor to Green Engineering Company, East Chicago, Ind., a Corporation of Illinois. Filed Aug. 4, 1921. Serial No. 489,712. 6 Claims. (Cl. 110—99.)

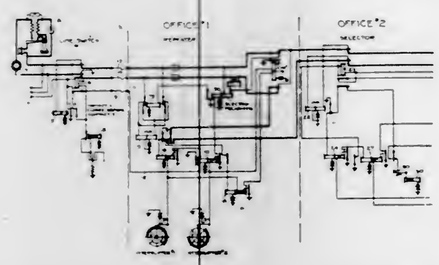


1. A fire-arch, comprising an upper structure, a plurality of tiles suspended therefrom and in contact with each other, flexible sheets on said tiles and extending over the joints between the same for preventing the passage of air down through the arch between said tiles, and a packing of loose material on said sheets for holding the same against said tiles.

1,463,972. AUTOMATIC TELEPHONE SYSTEM. WINFRED T. POWELL, Rochester, N. Y., assignor to The Stromberg-Carlson Telephone Manufacturing Company, Rochester, N. Y., a Corporation of New York. Filed Aug. 25, 1920. Serial No. 405,820. 34 Claims. (Cl. 179—18.)

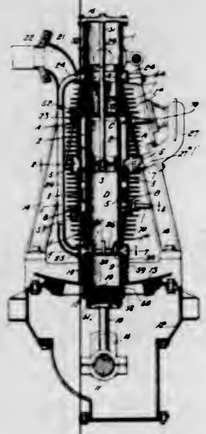
1. In a telephone system, an incoming line, a plurality of outgoing lines, a switch for interconnecting said incoming line with any of said outgoing lines, an impulse relay connectible to said incoming line and responsive to impulses transmitted over the two sides thereof, a set of contacts for said impulse relay, a second relay operating in substantially the same time interval as said impulse relay, means responsive to said

impulse relay for directively operating said automatic switch in selecting a desired outgoing line, a set of contacts for said second relay, a release magnet for said



switch and a circuit therefor extending through contacts of said relays, and a mechanical device for controlling the operating circuit of said second relay.

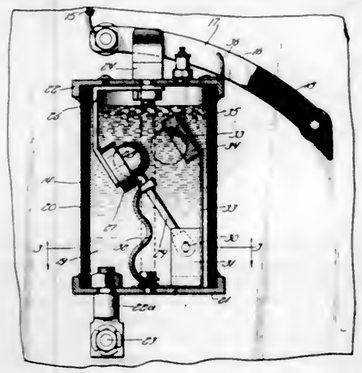
1,463,973. INTERNAL-COMBUSTION ENGINE. JOHN V. RICE, Jr., Bordentown, N. J., assignor to Rice Gas Engine Company, Bordentown, N. J., a Corporation of New Jersey. Filed June 1, 1922. Serial No. 565,108. 18 Claims. (Cl. 123—50.)



1. In an internal combustion engine, the combination of a cylinder having separate explosion chambers adjacent thereto, a differential piston with an enlarged portion operating in the explosion chambers which surround said piston, and containing compression chambers, a partition between them, said partition being stationary with relation to the piston which slides over the same, and means for transferring the mixture through the piston from the compression chambers to the explosion chambers.

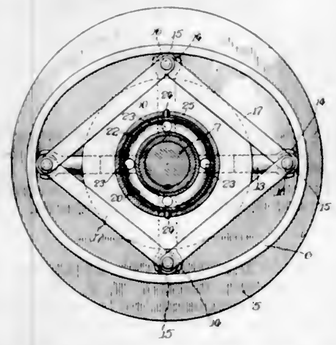
1,463,974. CURRENT-CONTROLLING DEVICE. EDMUND O. SCHWEITZER, Chicago, Ill., assignor to Schweitzer & Conrad, Chicago, Ill., a Corporation of Illinois. Filed Apr. 29, 1920. Serial No. 377,581. 30 Claims. (Cl. 200—48.

1. A device of the character described, comprising a movable container adapted to occupy alternative positions, switch mechanism within said container adapted to automatically assume alternative positions corresponding to the positions of said container, and addi-



tional switch mechanism movable between alternative positions with said container.

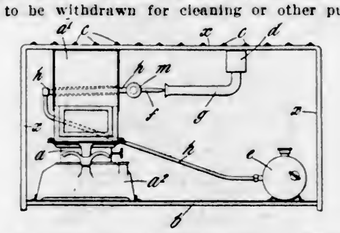
1,463,975. CLUTCH. LOUIS K. SCOTFORD, Chicago, Ill.; Martha W. Scotford executrix of said Louis K. Scotford, deceased. Filed Aug. 6, 1921. Serial No. 490,305. 5 Claims. (Cl. 192—60.)



1. In a clutch, a rotatable member, having a continuous cam surface thereon, a second rotatable member adjacent said first member having a plurality of radially movable elements adapted to engage the cam surface and to have motion imparted thereby, rigid links connecting said elements in continuous series whereby their movement is interrelated, and means adapted selectively to maintain the elements in fixed relation to the second member whereby the two members are locked together by engagement between the elements and the cam surface and caused to rotate together.

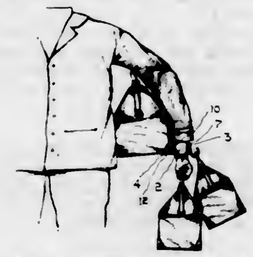
1,463,976. OIL COOKING STOVE. WILLIAM MORRISON SIMPSON, Hastings, England. Filed Jan. 28, 1921. Serial No. 440,785. 5 Claims. (Cl. 158—53.) (Granted under the provisions of the act of Mar. 3, 1921, 41 Stat. L., 1313.)

5. In an oil cooking stove the combination of a base plate, a frame carried by said plate, a grid carried by said frame, an oil burner, an oil reservoir for said burner mounted on said base plate, a chimney carried by said oil burner and having a transversely arranged slot or opening fitted with one or more closing slides, one or more vapour burners mounted on said base plate under said grid, a vapourizer for said vapour burner or burners, said burner or burners passing through the slot or opening in the chimney of the oil burner, thereby permitting the oil burner to be withdrawn for cleaning or other purposes



without disturbing the vapourizer, and an independent reservoir with means for creating pressure in same mounted on said base plate and in communication with said vapourizer.

1,463,977. MEANS FOR FACILITATING THE CARRYING OF TRAVELING BAGS AND THE LIKE. ALLAN V. SMITH, Montreal, Quebec, Canada. Filed Jan. 11, 1922. Serial No. 528,550. 4 Claims. (Cl. 224—28.)



1. A device of the type described consisting of a wristlet and a pair of article carrying members mounted thereon one of the said carrying members being of hooked form and adapted to be located when in use at the outer side of the wrist and the other member being adapted when in use to be positioned at the inner side of the wrist said last mentioned member having a flat portion extending towards the hip of the wearer for the purpose set forth.

1,463,978. ENDLESS LOOP OR GROMMET. WILLIAM E. SOMERVILLE, Coal City, Ill. Filed June 23, 1922. Serial No. 570,472. 8 Claims. (Cl. 245—1.5.)



6. The method of constructing an endless loop or grommet from a continuous wire which consists in forming a core from one end of the wire, then wrapping or laying the remaining portion of the wire about the core, then separating the strands of the body to gain access to the extremity of the core, then securing the said extremity of the last strand together, and then forcing into the body of the loop, the joint thus formed, and finally stretching the loop to draw the separated strands back into close proximity.

1,463,979. PAVING AND PROCESS OF PAVING STREETS AND THE LIKE. ROBERT C. STUBBS, Dallas, Tex. Filed Oct. 7, 1922. Serial No. 592,965. 3 Claims. (Cl. 94—24.)

1. The herein described process of making paving for streets and the like consisting of preparing a base or slab of concrete, placing a pressure-exerting means consisting of a platform made up of spaced cleats on the fresh laid concrete for periods of time, applying vibrations to said pressure exerting means for expelling air and surplus moisture from the concrete and for forming grooves in the surface of the concrete, removing said pressure-exerting

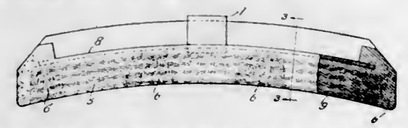


means and placing a relatively thick coating of asphaltic material on the concrete and forcing portions of the asphaltic material into said grooves.

1,463,980. EXPLOSIVE AND METHOD OF PRODUCING THE SAME. WILLIAM B. STURGIS, Joplin, Mo., assignor to General Explosives Company, Chicago, Ill., a Corporation of Delaware. Filed July 23, 1919. Serial No. 312,671. 22 Claims. (Cl. 52—13.)

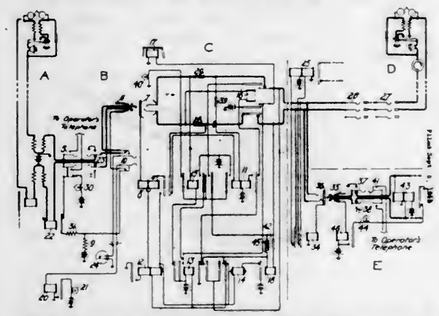
18. An explosive containing dinitrochlorhydrin, nitroglycerin and any nitrated carbohydrate which does not solidify nitroglycerin.

1,463,981. BRAKE SHOE. JAMES S. THOMPSON, Pelham, N. Y., assignor to The American Brake Shoe & Foundry Company, Wilmington, Del., a Corporation of Delaware. Filed Sept. 16, 1922. Serial No. 588,543. 3 Claims. (Cl. 188—260.)



3. A brake shoe comprising a body having a plurality of chilled sections integral therewith and spaced apart on the wearing face of the shoe, and a plurality of expanded metal strips extending substantially from end to end of said body and arranged one upon the other flatwise to the wearing face of the shoe and embedded therein to bond and anchor all of the chilled sections in the body.

1,463,982. TELEPHONE-EXCHANGE SYSTEM. HORACE W. ULRICH, East Orange, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y., a Corporation of New York. Filed Sept. 5, 1919. Serial No. 321,853. 15 Claims. (Cl. 179—27.)



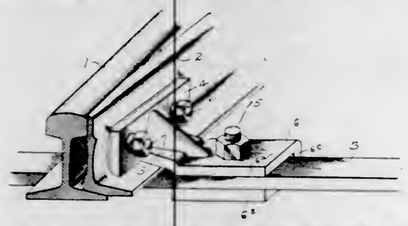
3. In a telephone exchange system, in combination, a trunk circuit comprising a pair of talking conductors, an operator's link circuit connected with the trunk circuit, a normally open bridge for the talking conductors, an impulse responsive relay, an impulse sending device, a key for connecting the impulse sending device with the link circuit, and a relay controlled solely over a portion of one of the talking conductors of the trunk circuit by the impulse sending device for intermittently closing the bridge to control the impulse responsive relay.

1,463,983. MULTIPLE-WRITING INSTRUMENT. ANICETO VISITACION, Brooklyn, N. Y. Filed June 2, 1922. Serial No. 565,341. 3 Claims. (Cl. 120—42.)



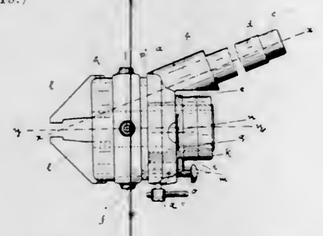
3. A multiple writing instrument comprising a pair of tubular members in parallel relation, webs connecting the tubular members intermediate their ends, writing elements adapted to be removably contained in the tubular members, means for projecting and withdrawing certain of said writing elements, and means associated with the projecting and withdrawing means for locking its respective writing element in projected or withdrawn position said webs and tubular members forming article containing pockets.

1,463,984. ADJUSTABLE TIEBAR FOR SWITCHES. WILBUR L. WALKER, La Grange, Ill. Filed Dec. 13, 1922. Serial No. 606,680. 12 Claims. (Cl. 246—450.)



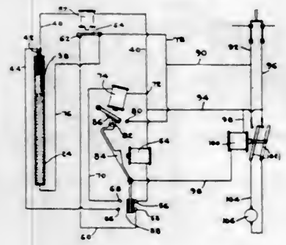
1. In a construction of the character described, a recessed attachment bracket, a bar longitudinally adjustable within the recess of said bracket having an elongated opening in the portion of the bar contained within the recess of the bracket, a member operatively engaged with the bracket extending within the opening in the bar, and a plurality of interchangeable shims of different thickness inserted within the opening in the bar beside said bracket engaging portion, and within the recess of the bracket whereby the bracket overhangs the shims to prevent their displacement from the opening in the bar.

1,463,985. APPARATUS FOR GRINDING TWIST DRILLS. ARTHUR WEIDLICH, Vienna, Austria. Filed May 31, 1921. Serial No. 473,855. 5 Claims. (Cl. 51—219.)



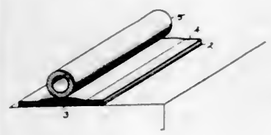
1. In an apparatus for grinding twist drills, the combination of a swinging guide, a pivot fixed thereto and a supporting bearing associated therewith, a chuck for holding the drill and rotatably supported by the swinging guide, the axis of the pivot of the swinging guide being eccentric and oblique in relation to the axis of said chuck, the axis of said pivot and the axis of the chuck not being contained in a common plane, means for displacing one of the two axes parallel to itself for varying the distance between the two axes, and means for fixing the chuck in its position in relation to the swinging guide.

1,463,986. APPARATUS FOR MAINTAINING A SUBSTANTIALLY CONSTANT LEVEL OF WATER IN TANKS. HERBERT L. WHERLAND, Lamberton, Minn. Filed Apr. 7, 1922. Serial No. 550,542. 5 Claims. (Cl. 103—25.)



1. In a device of the class described, a tank, a pump for supplying liquid to said tank, an electric motor for driving said pump, a tube containing mercury, the interior of which is in communication with the liquid supply, and means associated with said tube and the mercury therein for causing current to be supplied to said motor when the liquid in said tank falls below a predetermined level and for causing current to be cut-off from said motor when the liquid in said tank rises to a predetermined level.

1,463,987. MODE OF MANUFACTURING INNER TUBES. WILLIAM W. WILDMAN, Bay City, Mich., assignor to The Wildman Rubber Company, Bay City, Mich., a Corporation of Delaware. Filed June 16, 1921. Serial No. 478,055. 1 Claim. (Cl. 154—15.)

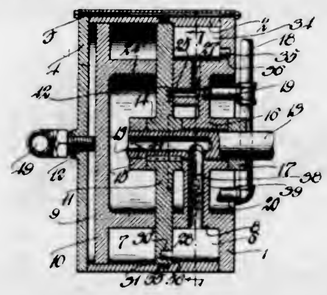


A mode of manufacturing inner tubes for tires, consisting in laying a relatively long strip of rubber containing a vulcanizing substance upon a flat surface; in laying a second narrower strip of unvulcanized rubber lengthwise upon said first strip; in superposing a third strip of vulcanizable rubber upon the other strips; in placing an elongated mandrel upon the top side of the assembled strips and folding said strips jointly around the mandrel until the opposite longitudinal edges are engaged and form a tube; in winding a strip of fabric tightly around the several plies of rubber on the mandrel; in subjecting the wrapped product to heat until the vulcanizable rubber is cured and all the said strips are homogeneously united at their meeting surfaces; in removing the vulcanized tube from the mandrel and turning it inside out to place the interlayer of unvulcanizable rubber in a constant state of compression; and in splicing the opposite ends of said tube together to form a ring-shaped tube adapted to be inflated.

1,463,988. ROTARY ENGINE. WILLIAM WILLERTON, Hillyard, Wash. Filed Sept. 13, 1920. Serial No. 409,924. 2 Claims. (Cl. 121—79.)

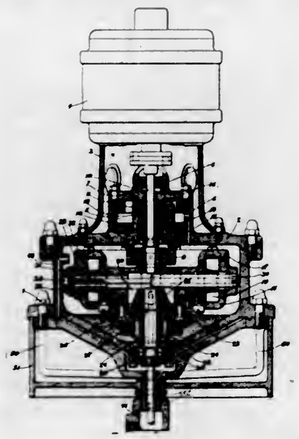
2. The combination in a rotary engine with its shaft, a circular disk having a hub fixed to said shaft and forming a rotor, said rotor and casing forming an annular steam chamber and co-acting pistons and abutments in the latter, of means for intermittently introducing steam

to said chamber comprising a series of spaced arcuate grooves in the rotor, a pair of diametrically arranged en-



trance ports in the casing and a steam supply thereto, and complementary steam ports for establishing communication between the respective grooves and said chamber.

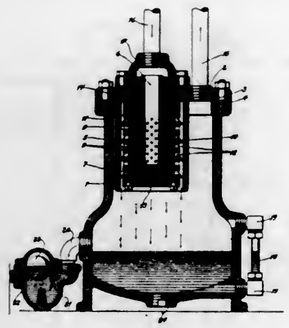
1,463,989. COMPRESSOR. EDWARD WILSON, St. Louis, Mo., assignor to Wilson Engineering Company, St. Louis, Mo., a Corporation of Missouri. Filed Mar. 3, 1921. Serial No. 449,425. 47 Claims. (Cl. 230—16.)



3. A compressor of the character described, comprising a stator casing arranged to contain a quantity of mercury, a rotor supported for rotation in the stator casing, a compression chamber in the rotor, a passage through the rotor to the compression chamber, a valve supported by the rotor and arranged to be held in closed position by centrifugal force when the rotor is rotating until the pressure against the valve exceeds the centrifugal force, and means for forcing the mercury from the stator casing through said passage to open said valve and into the compression chamber to effect compression therein.

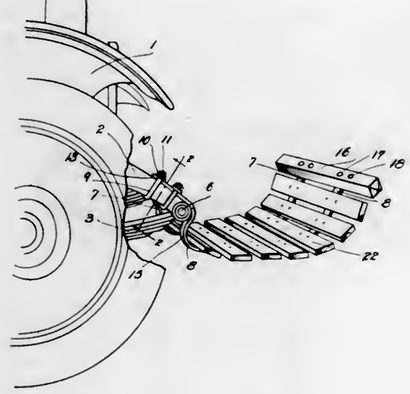
1,463,990. OIL SEPARATOR. EDWARD WILSON, St. Louis, Mo., assignor to Wilson Engineering Company, St. Louis, Mo., a Corporation of Missouri. Filed July 2, 1921. Serial No. 482,067. 11 Claims. (Cl. 183—48).

1. An oil separator, comprising a casing arranged to receive the separated oil and the separated air, a receiving chamber extending downwardly into the casing and having openings through the side wall thereof, filtering material packed around the portion of the receiving chamber having said openings and against the lower end wall of said chamber, a pipe opening into the upper portion of the casing for withdrawing air, and an imperforate baffle wall



extending downwardly into the casing below said receiving chamber and between said receiving chamber and the opening into said pipe.

1,463,991. LUGGAGE CARRIER FOR MOTOR VEHICLES. JOSEPH H. WITTMANN, Kansas City, Mo. Filed Apr. 10, 1922. Serial No. 550,953. 1 Claim. (Cl. 224—29.)

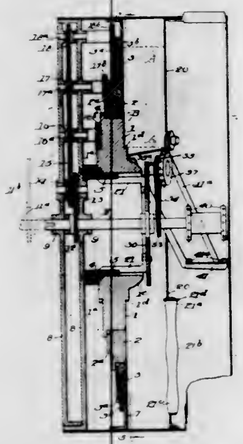


A luggage carrier for motor vehicles comprising spaced spring arms and slats connecting said arms, and means for attaching rear ends of said arms to a vehicle frame, the arms being curved between their ends to form a carrier and permit the arms to flex when impacted at their free ends.

1,463,992. FILM-OPERATING MACHINE. GRIDLEY ADAMS, Chicago, Ill. Filed July 1, 1921. Serial No. 481,779. 9 Claims. (Cl. 88—18.7.)

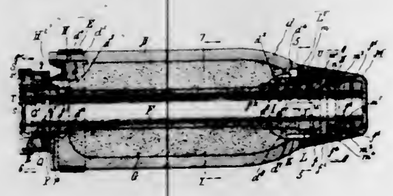
1. An endless film propelling mechanism comprising a reel on which the film may be coiled slackly with clearance at the center adequate for displacing the innermost coil of the film laterally along the axis; means for engaging the film for propelling it past the lens at predetermined speed; means engaging the film at the margin of the innermost coil for deflecting it along the axis at the propelling speed of the first mentioned propelling means; the reel com-

prising a disk towards which the film coils are presented edgewise of the latter, and which consists of concentric annuli and means for driving said annuli each at film



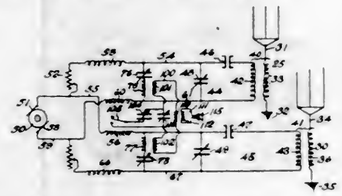
speed at a selected point in their width, and means for pressing the film coil against said annuli at said selected points.

1,463,993. RIFLE GRENADE. FRANKLIN THOMAS BURT, Omaha, Nebr. Filed Apr. 17, 1922. Serial No. 553,445. 19 Claims. (Cl. 102—29.)



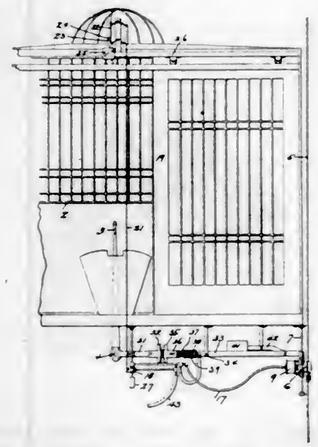
10. In a grenade for use with small arms the combination with a hollow shell for the explosive provided with a primer chamber and a passage from said chamber to the interior of the shell, of a primer mounted in said chamber, a bullet tube secured in and extending axially through said shell, a percussion head slidably mounted on the front end of said bullet tube, a frangible connection between the said percussion head and the body of the shell, adapted to be severed by the pressure of the powder gases from the small arm, a firing pin connected to said head, means for normally holding said firing pin in the safety position, and means controlled by the forward movement of the percussion head, for causing said firing pin to register with said primer, said last mentioned means comprising a clock spring under tension connecting said head and said tube, a firing pin carried by said head, and a guide pin connected to said head and normally locking said head against turning under the action of said spring, but releasing said head when said head is moved forwards, with means coacting with said guide pin for holding said head in the armed position, with a hollow ring provided with an auxiliary propelling charge secured to the rear protruding end of said bullet tube, and a frangible waterproof plate covering the rear end of said bullet tube and covering also said auxiliary propelling charge.

1,463,994. SYSTEM FOR THE TRANSMISSION AND RECEPTION OF RADIANT ENERGY. JOHN HAYS HAMMOND, Jr., Gloucester, Mass. Filed Feb. 15, 1918, Serial No. 217,425. Renewed Oct. 31, 1922. Serial No. 598,208. 43 Claims. (Cl. 250—6.)



1. The method of signaling by radiant energy which consists in transmitting a plurality of series of waves in such a manner as to maintain a predetermined phase relationship among a plurality of said series, and then modifying said phase relationship and causing the functioning of a receiving device as a result of the modification of said phase relationship.

1,463,995. HYDRAULIC-ELEVATOR-CONTROL SYSTEM. WILLIAM H. HARTMAN, Los Angeles, Calif., assignor to Randall Control and Hydrometric Corporation, Los Angeles, Calif., a Corporation of California. Filed Dec. 15, 1920, Serial No. 431,026. Renewed June 26, 1923. 9 Claims. (Cl. 187—30.)

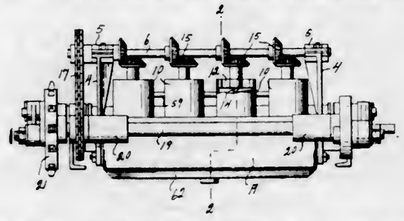


5. The combination with an elevator shaft provided with a door, of an elevator car in said shaft, means for controlling the movement of said car, a fixed vertically disposed member in said shaft, a vertically movable carriage on said car operably associated with and normally disconnected from said controlling means and normally out of tight connection with said vertically disposed member, means on the carriage adapted to clamp said member and means for connecting the carriage and the controlling means.

1,463,996. MERCURY SEPARATOR. JEROME HAVERLY, Oakland, Calif. Original application filed Apr. 2, 1919, Serial No. 286,954. Divided and this application filed July 28, 1920. Serial No. 399,538. 1 Claim. (Cl. 83—67.)

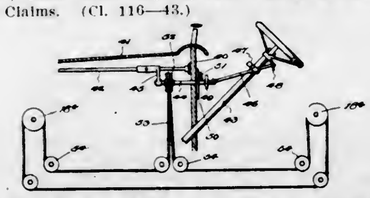
A separator of the character described comprising an elongated amalgam box having a side wall and end walls, a plurality of spaced cylinders disposed in engagement

with the inner face of the side wall of the box, the opposite side portion of said box being open, said box having a stepped and inwardly inclined bottom, the longitudinal portion of the bottom only immediately beneath the lower



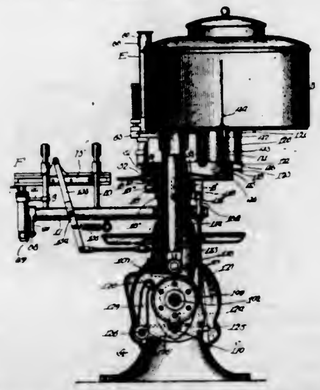
ends of the cylinders being formed into a trough, said stepped bottom extending from the inner edge of the trough to the open side portion of the box, the trough having an outlet, and means movable in said cylinders for forcing matter into the trough of said bottom.

1,463,997. DIRECTION SIGNAL FOR MOTOR VEHICLES. HIRAM S. HEARN and DENMARK H. HEARN, Denver, Colo. Filed July 12, 1921. Serial No. 484,148. 3 Claims. (Cl. 116—43.)



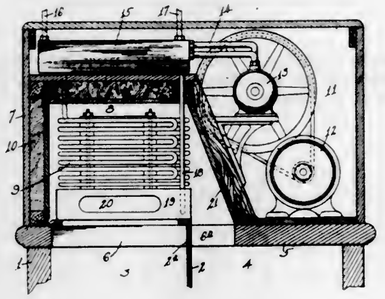
1. In a direction signal for motor vehicles, the combination of a signaling device, a cable actuating said device, a control shaft having a pulley thereon engaged with the cable, a rotatable hand operated control rod extending in angular relation to the shaft, and a universal joint connecting said control rod with said shaft whereby the rod may be turned for driving said cable.

1,463,998. BOTTLE FILLING AND CAPPING MACHINE. IRVING R. HIPPENMEYER and CHARLES SKIDD, Janesville, Wis., assignors, by mesne assignments, to The H. H. Miller Industries Company, Canton, Ohio, a Corporation of Ohio. Filed May 14, 1919. Serial No. 297,116. 25 Claims. (Cl. 226—76.)



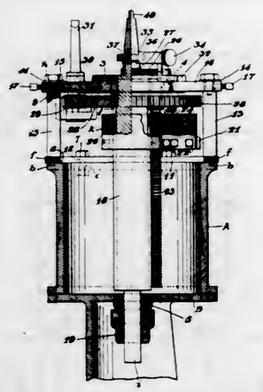
17. A bottle filling machine embodying therein a liquid receptacle, a valve therein, means for suspending a bottle by the neck, and means for moving the bottle suspending means to present the mouth of the bottle to said valve.

1,463,999. ARTIFICIAL REFRIGERATING UNIT. CLARENCE M. HOLLEY, Detroit, Mich., assignor to Utility Compressor Company, Detroit, Mich., a Corporation of Michigan. Filed Dec. 31, 1917. Serial No. 209,667. 12 Claims. (Cl. 62—116.)



1. The combination with a refrigerator box having two storage compartments and a vertical partition wall therebetween and an aperture in the upper horizontal wall of the refrigerator opening into both storage compartments, of an artificial refrigerating apparatus including expansion coils, a compartment for the coils open on the lower side adapted to fit over the aperture in the refrigerator wall with the coils positioned over one of the said storage compartments providing for circulation of air upward from one of the storage compartments into the coil compartment and thence downward into the other storage compartment.

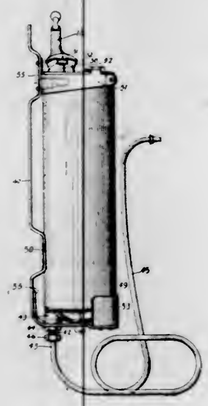
1,464,000. BORING MILL FOR AIR-PUMP CYLINDERS. WILFRED HURST, Norwood, Mass. Filed Jan. 8, 1921. Serial No. 435,780. 5 Claims. (Cl. 77—2.)



1. A machine of the character described having in combination a feed screw having a pinion fast thereon, a boring bar having a pinion mounted loosely thereon and engaging with said pinion, a cutter head slidably mounted on said boring bar, a spring-actuated latch which normally engages a latch member fast to said loose pinion and restrains it from rotation, said latch being releasable at the will of the operator, driving means connected with the boring bar which can be made operative at will to rotate

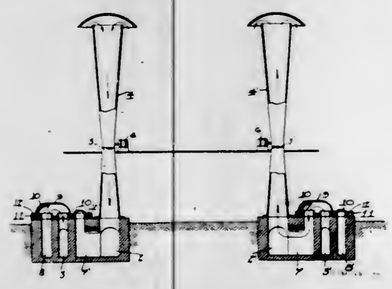
the boring bar and feed screw to feed the cutter head to its work, and thereby rotate the feed screw while the said loose pinion is latched against rotation, said loose pinion having a member which is adapted to be connected at will with driving mechanism, and which, when so connected and the latch is released and said first driving mechanism is disconnected, will rotate the feed screw in the reverse direction and move the cutter head backwards.

1,464,001. HOLDER FOR FIRE EXTINGUISHERS. ROSCOE C. IDDINGS, Dayton, Ohio. Filed Apr. 10, 1919. Serial No. 288,932. 22 Claims. (Cl. 169—2.)



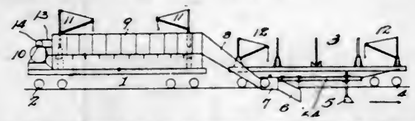
1. In combination, a fire extinguisher having a discharge nozzle, a holder adapted to receive the extinguisher, a tube attached to said holder, and means whereby when the extinguisher is placed in the holder the nozzle becomes connected to said tube, so that fluid discharged from the nozzle must enter the tube.

1,464,002. METHOD OF AND APPARATUS FOR REVERSING AND CONTROLLING REGENERATIVE FURNACES. GEORGE H. ISLEY, Worcester, Mass., assignor to Morgan Construction Company, Worcester, Mass., a Corporation of Massachusetts. Filed Apr. 13, 1922. Serial No. 552,304. 8 Claims. (Cl. 158—25.)



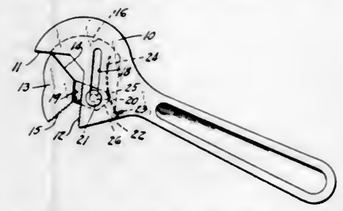
1. Reversing mechanism for a regenerative furnace, comprising blowing devices associated respectively with regenerator passages at opposite ends of said furnace, and means for independently reversing and for independently controlling the speed of each of said blowing devices.

1,464,003. RAILWAY-CAR LOADER. JOHN H. JOHNSON, Charleston, S. C., assignor of one-fourth to Thomas Marks, Charleston, S. C. Filed June 14, 1922. Serial No. 568,101. 9 Claims. (Cl. 37—107.)



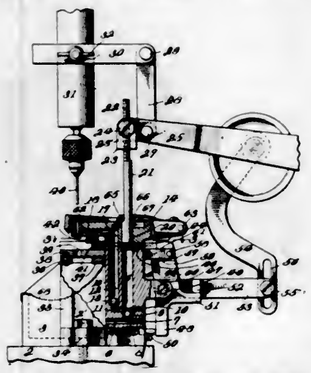
1. The combination in a railway car loading equipment with a hinged, foldable trough and endless conveyer, of a detachable elevator at the front end of said trough, and an adjustable scoop at the front end of said elevator.

1,464,004. WRENCH. GEORGE W. KELLEY, Spokane, Wash., assignor of one-half to Charles H. Hagerman, Spokane, Wash. Filed Apr. 15, 1922. Serial No. 552,947. 6 Claims. (Cl. 81—130.)



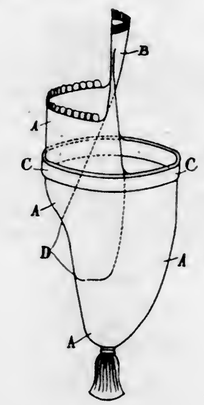
1. A wrench embodying a head having a cutout portion forming angularly disposed jaw faces, and a shiftable and tiltable jaw likewise provided with angular jaw faces adapted to coact with adjacent jaw faces of the head for the reception of material to be held, the coaction of one pair of said faces forming an alligator wrench and the coaction of the other pair of said faces forming a wrench for engaging polygonal surfaces, the faces of the first named pair bearing gripping teeth coacting during the coaction of the last named pair of faces to hold the jaw against shifting in one direction.

1,464,005. AUTOMATIC DRILLING JIG. EDWARD JOSLIN KINGSBURY, Keene, N. H. Filed Feb. 21, 1921. Serial No. 446,666. 16 Claims. (Cl. 77—63.)



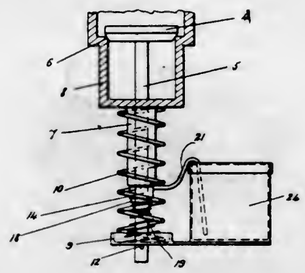
1. A drilling machine of the character described comprising a receptacle, a reciprocating pump piston in communication therewith, means operated by the downward movement of the drill spindle for forcing the pump piston down, a work support, the work support receiving oil from the pump, and means for locking the pump piston in an upward position.

1,464,006. POCKET OF BILLIARD TABLES AND THE LIKE. CARNABY KIRTON and HERBERT JAMES GAUDIE, East Boldon, Durham, England. Filed Oct. 7, 1921. Serial No. 506,144. 1 Claim. (Cl. 46—12.)



A billiard pocket comprising a main pocket, and a partition dividing the upper part thereof and connected intermediate of its width to the main pocket to provide separate passages issuing into the lower end of the pocket.

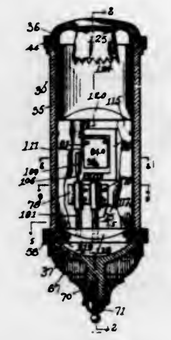
1,464,007. VALVE. HAROLD LESLIE LEAS, Waukon, Iowa. Filed Dec. 23, 1921. Serial No. 524,390. 2 Claims. (Cl. 286—30.)



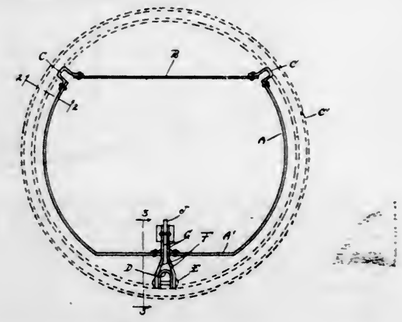
1. The combination, with a valve casing provided with a tubular guide, a valve having a stem which is slidable in the said guide, and a receptacle for lubricant supported by the said valve stem; of a packing device encircling the valve stem and provided with packing, an absorbent wick which delivers lubricant automatically from the said receptacle to the packing, and a spring which presses the packing device against the end of the guide around the valve stem.

1,464,008. LOCKING MECHANISM. LEO R. LE TANG, Cincinnati, Ohio. Filed July 28, 1921. Serial No. 488,226. 5 Claims. (Cl. 109—3.)

1. In locking mechanism, the combination of a body, a closure therefor, a primary bolt coacting with said closure, a bearing on the inside of said body in which said primary bolt reciprocates, a lock secured at the inside of said body, said lock comprising a lock-bolt, a yoke about said lock, said yoke having attachment with said primary bolt and arranged to be operated by said lock-bolt, an auxiliary bolt coacting with said closure, and releasable connecting means between said auxiliary bolt and said lock to normally hold said auxiliary bolt in unlocking relation to said closure and arranged to release said auxiliary bolt by removal of said lock.



1,464,009. SPARE-TIRE CARRIER AND LOCK. OSCAR A. LOEW, Highland Park, Mich., assignor to Harwich Stamping Company, Springwells, Mich., a Corporation of Michigan. Filed Oct. 31, 1921. Serial No. 511,665. 5 Claims. (Cl. 224—29.)

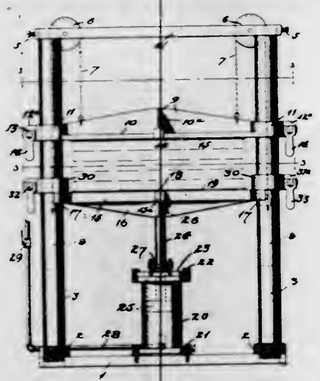


4. In a device of the class described, the combination with a plurality of relatively fixed seats for a tire or rim, of a complementary seat adjustable to or from said fixed seats, a support for said adjustable seat connected to the seats aforesaid, a member pivotally mounted upon said support, a connection between said member and said adjustable seat, and means for locking said member to said support to retain said adjustable seat in adjusted position.

1,464,010. TIRE-BUNDLING MACHINE. ALBERT MILLER, Akron, Ohio, assignor to The American Rubber & Tire Company, Akron, Ohio, a Corporation of Ohio. Filed Apr. 13, 1922. Serial No. 552,331. 5 Claims. (Cl. 100—31.)

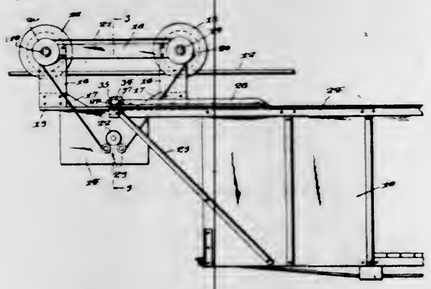
1. In a machine for bundling tires or the like, a frame, a platen adapted to be adjustably fixed thereto,

a plunger platen guided thereby, fluid operated means for moving the plunger platen toward the fixed platen,



and separate means for adjustably limiting the extent of movement of said plunger platform toward the adjustably fixed platform.

1,464,011. CARRIER TRUCK. JOSEPH F. MONTINE, Chicago, Ill. Filed Aug. 23, 1922. Serial No. 583,835. 5 Claims. (Cl. 105—150.)



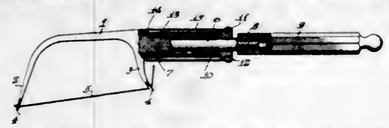
1. A carrier for overhead transportation systems comprising a receptacle, a supporting frame carried by the receptacle, a bolster carried by said frame, and having a horizontal pivot connection therewith, a truck, a base carried by the truck, and a vertical pivot connection between the base and the bolster.

1,464,012. PROPELLANT EXPLOSIVE. ARTHUR SAMUEL O'NEIL and RAYMOND ROYAL EVANS, Springfield, Ill., assignors, by mesne assignments, to Western Cartridge Company, a Corporation of Delaware. Filed Apr. 11, 1921. Serial No. 460,438. 4 Claims. (Cl. 52—10.)

3. The method of producing a propellant explosive which comprises forming an intimate mixture of nitrocellulose colloid with a black powder paste containing water and alcohol, forcing the resulting mixture through a die, and cutting the resulting product into granules.

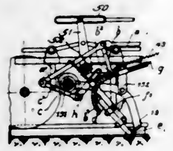
1,464,013. DENTAL FLOSS HOLDER. FERDINAND C. ROBERTS, Detroit, Mich. Filed Aug. 9, 1922. Serial No. 580,621. 5 Claims. (Cl. 132—92.)

5. A floss holder comprising a spindle, a floss container rotatable on said spindle, said floss container frictionally engaging the outer end of said spindle and adapted to be released relative to said spindle by longitudinal retraction thereon towards the inner end of said spindle, said floss container having an opening per-



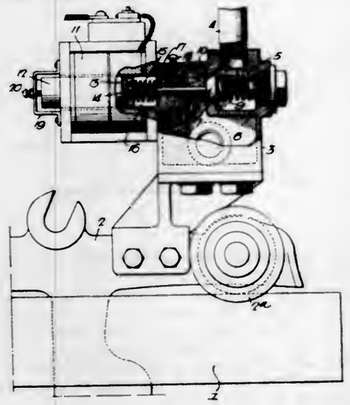
mitting of floss extending therefrom and means carried by said spindle for maintaining an end of the floss taut beyond the outer end of said floss container.

1,464,014. MACHINE FOR REMOVING WEEDS FROM RAILWAY ROADBEDS. AUGUSTE SCHEUCHZER, Renens, Switzerland, assignor to Ferrodesherbeuse Scheuchzer Societe Anonyme, Renens, Switzerland. Filed Apr. 28, 1921. Serial No. 465,272. 7 Claims. (Cl. 104—279.)



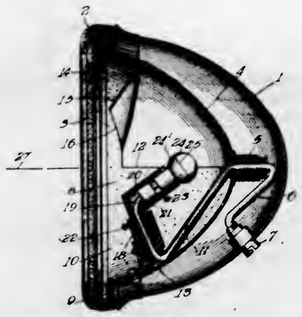
3. In a machine of the character described comprising a wheel mounted support adapted to traverse railway tracks, a knife carried by said support, motor actuated means for raising and lowering said knife, and tie engaging means controlling the motor driven means for automatically lifting the knife over the ties, said last mentioned means including a pivoted lever and a pilot roller arranged to engage the railway road bed.

1,464,015. GAS VALVE. WILLIAM P. SCHMID, Philadelphia, Pa., assignor to Atlas Engineering Company, Philadelphia, Pa., a Corporation of Pennsylvania. Filed Dec. 31, 1920. Serial No. 434,383. 2 Claims. (Cl. 137—139.)



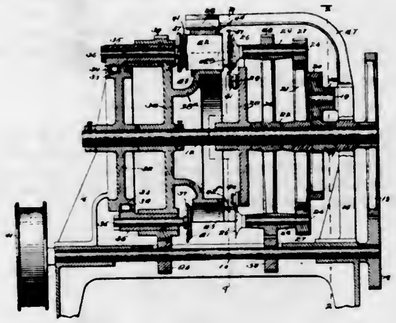
1. In means for controlling the flow of gas to burners of printing presses, the combination of a valve casing having a chamber therein; a pipe communicating with the chamber; a burner connected to the casing; a valve controlling the flow of gas from the chamber, said valve having a stem; a spring tending to close the valve; a solenoid magnet having a dash pot and core, said core being spaced from the stem of the valve; a spring tending to move the core from the valve; an air passage communicating with the dash pot; and a valve controlling the flow of air through said passage.

1,464,016. HEADLIGHT DEVICE. HERBERT W. SCHWARTZ, Chicago, Ill. Filed Aug. 5, 1921. Serial No. 490,025. 2 Claims. (Cl. 240—41.)



1. In a head light of the kind described and in combination, a concave reflector, a lamp adjustably positioned therein, means for covering the lower half of said reflector to absorb the rays directed thereon, visor means transversely of said reflector at its upper half from a line within said reflector and extending outwardly and downwardly therefrom, said visor having an arcuate recess in the lower free edge thereof whereby there will be no upwardly directed rays projected beyond the reflector and the light directed outwardly of said reflector will be bounded at its top edge by a down turned arc corresponding to the arcuate recess in the transversely extending visor.

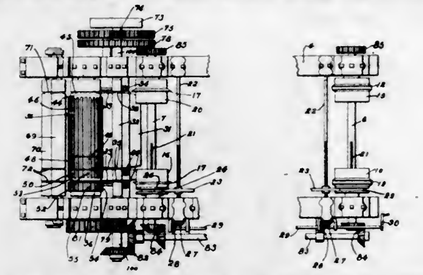
1,464,017. DOUBLE-SEAMING MACHINE. GEORGE M. STEVENSON, Baltimore, Md. Filed Apr. 27, 1921. Serial No. 464,951. 7 Claims. (Cl. 113—17.)



1. A machine of the character described, comprising a chuck carrier, chucks carried thereby, a disk, curling and finishing rollers rotatably mounted on said disk, and means for revolving the chuck carrier and disk in the same direction at different speeds.

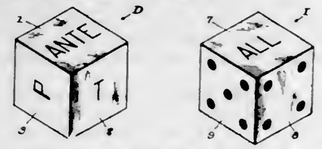
1,464,018. CORRUGATING MACHINE. GEORGE A. TRACHTE and ARTHUR F. TRACHTE, Madison, Wis. Filed Sept. 8, 1920. Serial No. 408,839. 2 Claims. (Cl. 153—7.)

1. In a device of the class described, bead-forming rolls; means for shifting one roll toward and away from the other, said means comprising a member wherein the shiftable bead-forming roll is journaled, and a feed screw threaded into said member; and a corrugating roll comprising an adjustable section constituting means



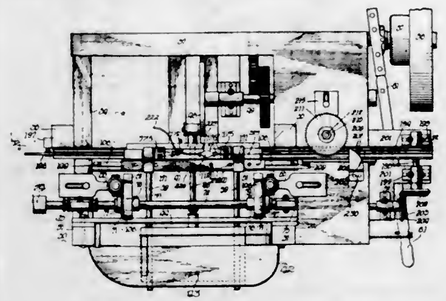
for varying the length of the corrugating roll to correspond with the position of the shiftable bead-forming roll.

1,464,019. GAME OF CHANCE. EDWIN H. WENZEL, Milwaukee, Wis. Filed May 10, 1921. Serial No. 468,358. 5 Claims. (Cl. 46—56.)



1. The combination of a pair of dice in which one die has faces marked so as to indicate the direction of distribution of points between the board and the player casting it and in which the other die has point indicating markings upon its faces.

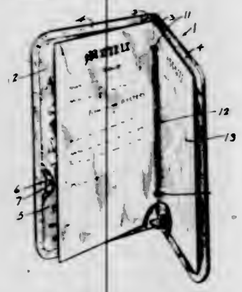
1,464,020. WOODWORKING MACHINE. CARL F. ANDERSON, Brookfield, and LESTER W. KNAPP, Berwyn, Ill., assignors, by mesne assignments, to Conlon Corporation, Cicero, Ill., a Corporation of Illinois. Filed Oct. 24, 1919. Serial No. 332,953. 41 Claims. (Cl. 144—3.)



1. In a machine of the class described, the combination of a substantially horizontal guide member forming a working surface, rotary saw mechanism, rotary cutter mechanism, feeding means for receiving the blanks and feeding them past said rotary saw mechanism and said rotary cutter mechanism, said feeding means having motion on said guide member, each of said blanks being of the size of a plurality of the completed slats, a plurality of boring bits adapted to engage each blank, said feeding means delivering the blanks to position for operative engagement with said boring bits at the completion of the sawing and cutting operations, and slitting means for slitting each of said blanks into

the plurality of completed lath units, said rotary cutter mechanism and said slitting means operating in a plane parallel to said working surface and in the same plane with each other.

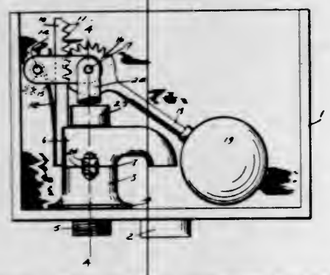
1,464,021. MENU-CARD HOLDER. MARY W. BATTLE, Denver, Colo. Filed June 12, 1922. Serial No. 567,613. 7 Claims. (Cl. 129—1.)



3. A menu-card holder comprising a cover having a pair of members each having projecting interengaging hinge parts through which a hinge pin passes and resilient means tending to hold said cover in partly open position.

7. In a menu-card holder the combination of a cover comprising two members, hooks attached to the cover and adapted to pass through openings in a menu-card to hold the same in position between the cover members, and means for connecting the said members.

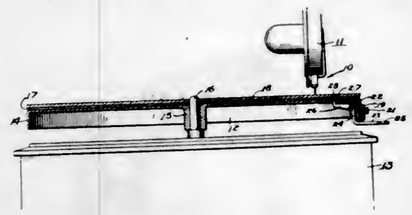
1,464,022. VALVE. CHARLES R. BAUMGARDNER, Kansas City, Mo. Filed Apr. 21, 1921. Serial No. 463,254. 1 Claim. (Cl. 137—104.)



A valve for water systems, comprising an inlet member, an outlet member mounted on said inlet member, a flexible washer disposed between said inlet member and said outlet member, a rack, a yieldingly mounted frame, a gear segment pivoted on said frame and meshing with said rack, means for rocking said gear segment on said rack, and a valve operating in said inlet member and having a stem pivoted on said frame, said valve being provided with an annular flange adapted for seating the valve on said flexible washer to cut off communication between said inlet member and said outlet member.

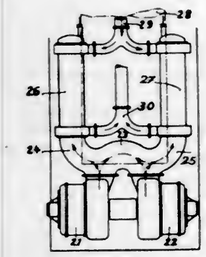
1,464,023. RECORD LIFTER FOR TALKING MACHINES. MABEL BLACKMAN, New York, N. Y., assignor of one-half to Lillian K. Hosler and one-half to Estelle McKee, both of New York, N. Y. Filed Oct. 21, 1921. Serial No. 509,282. 1 Claim. (Cl. 274—1.)

The combination with a record holding turntable of a phonograph comprising a downwardly extending flange; of a member comprising a clamp adapted to grip said flange, a lever pivoted to said clamp, a record engaging portion on said lever, and a finger engaging



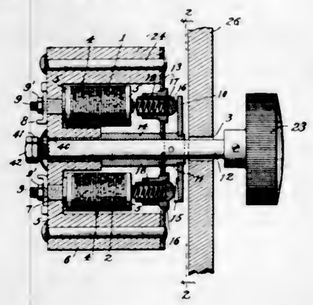
member on said lever, said member when operated being adapted to cause said lever to partially raise the record from the turntable.

1,464,024. STEAM-TURBINE-DRIVEN LOCOMOTIVE. HEINRICH BOLTSHAUSER, Zurich, Switzerland. Filed June 2, 1922. Serial No. 565,320. 3 Claims. (Cl. 105—38.)



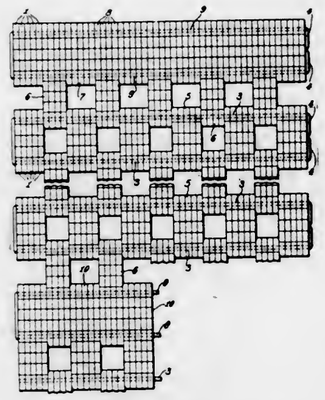
1. A surface condensing plant for locomotives driven by steam turbines, comprising a surface condenser provided in two halves arranged on either side of the locomotive boiler in the longitudinal direction thereof, an ahead and an astern turbine, and means effecting simultaneously a connection of the exhaust parts of said turbines to both condenser-halves.

1,464,025. PRESSURE RHEOSTAT. HARRY L. BRADLEY, Milwaukee, Wis., assignor, by mesne assignments, to The Reliance Company, Milwaukee, Wis., a Corporation of Wisconsin. Filed July 13, 1922. Serial No. 574,795. 20 Claims. (Cl. 219—51.)



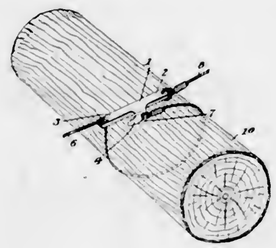
1. In a pressure rheostat the combination of a pair of resistors the resistance of which is variable by variation in pressure, and an actuator for simultaneously decreasing the resistance of one resistor and increasing the resistance of the other.

1,464,026. FLOOR MAT. JOHN H. BRUNINGA, St. Louis, Mo., assignor to Standard Heel & Counter Co., St. Louis, Mo., a Corporation of Missouri. Filed Nov. 17, 1921. Serial No. 515,825. 6 Claims. (Cl. 20—78.)



1. A flexible floor mat comprising, a series of short leather links, arranged in rows with the links of adjoining rows alternating, a series of pintle rods joining said links to form a flexible chain-like structure, the links of an inside-row being extended so as to receive the pintle rods of the end row, adapted and in order to stiffen and retain the edge of the mat flat when extended.

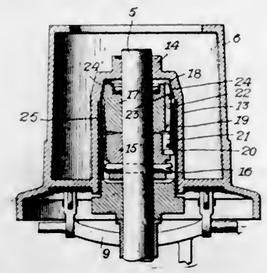
1,464,027. DOUBLE END HOOK. JOSEPH CAMPBELL, near Vanduser, Mo. Filed Mar. 31, 1922. Serial No. 548,498. 1 Claim. (Cl. 294—78.)



In a hoisting and hauling device, a body, a hook formed intermediate the ends of said body portion, a pulley journalled in one end of said body, a cable passing through said pulley and connected with the hook and a cable connected with the opposite end of the body portion for disengaging the hook from the first mentioned cable.

1,464,028. CLUTCHING MECHANISM FOR WIRE-DRAWING BLOCKS. ELBERT H. CARROLL, Worcester, Mass., assignor to Morgan Construction Company, Worcester, Mass., a Corporation of Massachusetts. Filed Feb. 19, 1919. Serial No. 277,919. 3 Claims. (Cl. 192—81.)

1. The combination, with a wire drawing block, of a driving spindle therefor, and a clutching means interposed between said block and said spindle, said clutching means comprising a coil rotating with said spindle and adapted



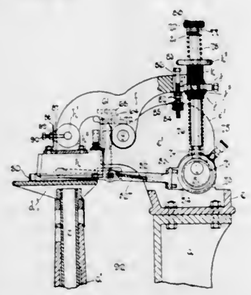
to be expanded into frictional engagement with the interior of said block by axial movement of the latter.

1,464,029. DEVICE FOR USE IN PRACTICING THE GAME OF GOLF AND OTHER GAMES AND FOR LIKE PURPOSES. OLIVER COUGHTRIE, Deal, England. Filed June 13, 1921. Serial No. 477,360. 2 Claims. (Cl. 46—4.)



1. A device for attachment to the head of a golf club for the practice of golf comprising a plate of substantially the same outline as said head and having also rearwardly extending clips for detachably securing it friction-tight on said head, and sharpened pins projecting forwardly from substantially the whole front area of said plate.

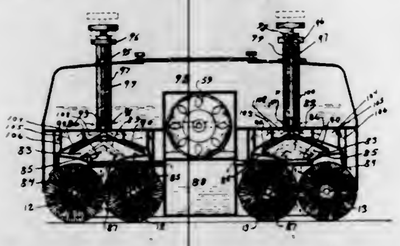
1,464,030. IRONING MACHINE FOR PRESSING SEAMS OF CLOTHING. HARRY BENSON CHANAGE, Leeds, England, assignor of four-tenths to Louis Fox, Leeds, England. Filed Sept. 8, 1920. Serial No. 408,990. 5 Claims. (Cl. 68—9.)



5. In a machine for the purpose described, the combination of a frame, a support for the garment to be pressed, an iron arranged above and adapted to cooperate with the support, means for effecting relative vertical movement between the support and iron, a reciprocating feeding device movable transversely of the support for feeding

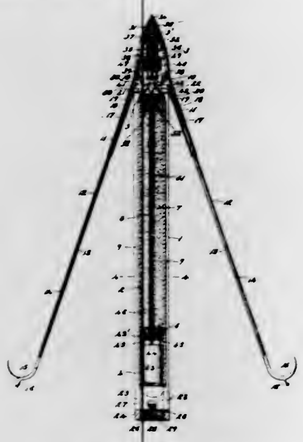
a garment thereover when the support and iron are separated, a member extending upward from the feeding device, and adjustable spring pressed means cooperating with the last said member to control the pressure exerted by the feeding device.

1,464,031. FLOOR-SCRUBBING MACHINE. GLENN L. DALY, Denver, Colo. Filed May 3, 1921. Serial No. 466,458. 7 Claims. (Cl. 15—50.)



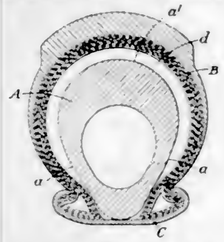
5. A portable machine for cleaning floors and the like, comprising a framework adapted to be moved over the surface to be cleaned and having mounted thereon a pair of co-operating rotary brushes, means for operating the same to cause the lower portions of the individual brushes to move toward each other, the two brushes being mounted in close proximity to each other, a chamber arranged above the brushes and open at the bottom to receive the refuse material carried upwardly by the brushes and means for supplying the same with flushing liquid.

1,464,032. PROJECTILE. JOHN C. DAYNIX, Philadelphia, Pa. Filed Jan. 22, 1923. Serial No. 614,217. 11 Claims. (Cl. 102—38.)



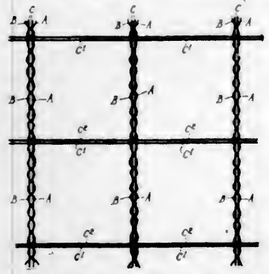
7. A projectile having a series of diametrically opposed angularly expansible tubular arms hinged at their forward ends in the nose of said projectile, torsionally influenced telescopic rods adapted for a half-turn in said tubular arms and having hooked claws at their outer ends, latch members projecting from the back of said hooked claws, spring influenced retaining means for cooperation with the latch members for holding the aforesaid expansible arms normally seated in longitudinal grooves in the wall of the projectile, said retaining means being released by the firing charge, a spring influenced latch for holding the retaining means in its forward position to free the expansible tubular arms, a spring influenced firing pin in the nose of the projectile having forwardly directed contact supporting members in line with the aforesaid tubular arms, heel portions at the hinged ends of the tubular arms for cooperation with the inner enlarged head of the firing pin and thereby closing an electric circuit from an enclosed storage battery through a fusible charge to explode the projectile when a direct "hit" is made, and supplemental contact members adapted to close said electric circuit whenever any one of the aforesaid telescopic rods is extended by the engagement of its hooked claw in the object fired at.

1,464,033. AIR TUBE AND SHOCK ABSORBER FOR RESILIENT WHEELS FOR VEHICLES. WILLIAM DRURY, Hammersmith, London, England. Filed June 21, 1921. Serial No. 479,285. 2 Claims. (Cl. 152—13.)



2. A pneumatic tire embodying a flexible casing and a rim attached thereto, and an enclosed air-tight inner tube made wholly of elastic material and which when uninflated is substantially smaller in diameter than the interior diameter of the casing, said inner tube having its wall of substantial thickness to render it self-sustaining, the side walls being thinner than the tread and rim portions of the wall, whereby when said inner tube is inflated it will relieve the casing materially of internal pressure and whereby, also, the greatest degree of stretch in the inner tube will occur in said thinner side walls and thereby increase their resiliency.

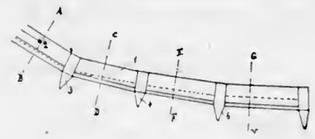
1,464,034. MANUFACTURE OF TWIST-LACE NET. JAMES FARMER, Nottingham, England. Filed July 12, 1922. Serial No. 574,367. 1 Claim. (Cl. 96—24.)



A twist lace traverse net with a square mesh in which the vertical bars are formed by two bobbin and two warp threads the latter being twisted in reverse directions round the former and the horizontal bars are each formed by two bobbin threads one of which is traversing to the right and the other to the left throughout the net.

1,464,035. APPARATUS FOR WASHING AND SORTING COAL AND OTHER MINERALS. ANTOINE FRANCE, Liege, Belgium. Filed Aug. 17, 1921. Serial No. 493,117. 2 Claims. (Cl. 83—89.)

1. In apparatus for washing and sorting coal and other minerals of the kind comprising a trough wherein the minerals are classified according to specific gravity by means of a conveying water-stream, and washers arranged at intervals along and depending from the said trough for completing said classification under the action of upward streams, a trough composed of a plurality of interchangeable sections extending between the consecutive washers,

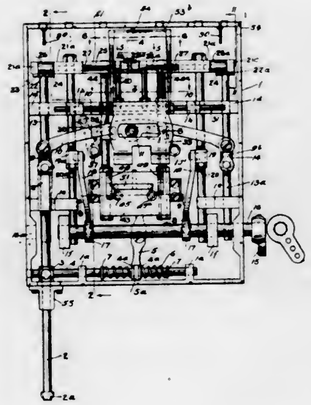


each at a decreasing inclination in relation to the preceding one in the direction of the stream, in combination with removable means for reducing the effective cross-sectional area of each such trough-section in relation to that of such preceding trough section, for the purpose set forth.

1,464,036. HYDROMETALLURGICAL PROCESS OF ORE TREATMENT. WILLIAM F. GORDON and EDWARD W. KEITH, Denver, Colo. Filed Sept. 12, 1921. Serial No. 500,196. 3 Claims. (Cl. 75—18.)

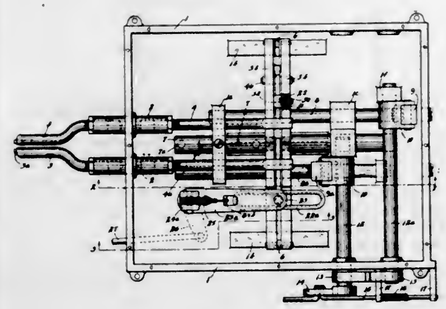
1. The process of treating ores, mineral concentrates, etc., containing metallic oxides, carbonates, sulphates and sulphites, which consists in subjecting the said ores, mineral concentrates, etc., to the solvent action of gas house liquor (gas liquor), thereby causing the solution of such metals or metallic salts as are soluble in the said menstrum, separating the solution from the insoluble gangue or residue of the material treated, and recovering the values from the solution and from the residue.

1,464,037. GEAR SHIFT. HANS A. HANSON, Eau Claire, Wis., assignor to Frank Lott, Eau Claire, Wis. Filed Oct. 1, 1921. Serial No. 504,724. 24 Claims. (Cl. 74—58.)



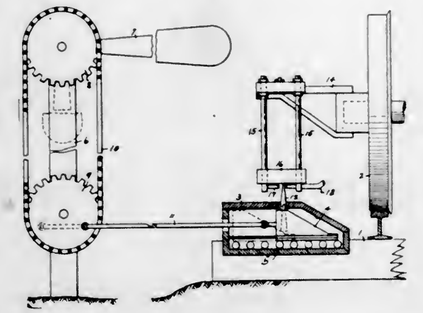
1. A gear shift device for an automobile having in combination, a member adapted to be oscillated laterally to a plurality of positions to connect with different gear shifting elements of the transmission gearing and to be reciprocated in any of such positions to move said elements, means for moving said member laterally, including selectively controlled oppositely facing cams, and means for moving said member longitudinally, both means being operated by the clutch pedal of the automobile.

1,464,038. GEAR SHIFT. HANS A. HANSON, Eau Claire, Wis., assignor of forty-five one-hundredths to Frank Lott, Eau Claire, Wis. Filed Nov. 21, 1921. Serial No. 516,608. 14 Claims. (Cl. 74—58.)



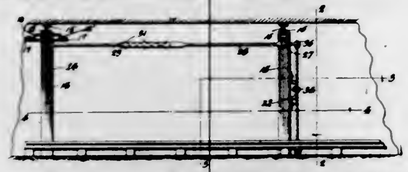
1. A gear shift device for an automobile having in combination, a pair of members, each adapted to be reciprocated to two positions, a reciprocating member for variously moving said members, a plurality of members actuated by the clutch pedal of the automobile and adapted to be connected to said reciprocating member, and means located for convenient manipulation by the driver of the automobile adapted to be moved to various positions to connect said last mentioned members to said reciprocating member and said reciprocating member to either of said pair of first mentioned members.

1,464,039. AUTOMATIC BRAKE-SETTING DEVICE. SAMUEL R. HARDY and ROYAL A. COCHRAN, Dayton, Tex. Filed July 12, 1921. Serial No. 484,137. 1 Claim. (Cl. 246—199.)



In combination a box arranged alongside a railway track, a wedge shaped plunger movable transversely through said box, a signal stand, a movable signal mounted thereon, operative connections between the signal and plunger through which the latter may be actuated from the former, the top of said box being provided with a slot, a blade in said box pivoted at one end and aligned with and adapted to work through said slot, said plunger being disposed to work underneath said blade and to move the same upwardly when in one position but to permit the same to be lowered by gravity when in another position, a hanger attached to a railway truck, a frangible plug in the air line of the train and supported by said hanger and arranged in position to align above said blade, a vertically movable cross head partially surrounding said plug.

1,464,040. RAILROAD SWITCH. EDWARD H. HEBENSTREIT, Nokomis, Ill. Filed Dec. 4, 1922. Serial No. 604,872. 4 Claims. (Cl. 246—435.)



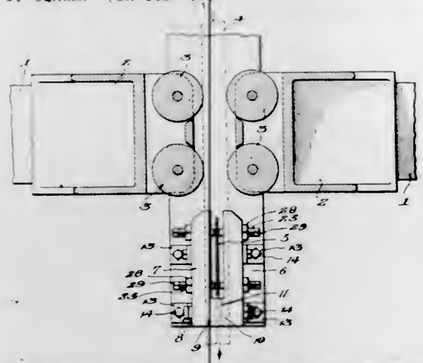
1. In a device of the kind described, a plate, means for securing said plate in an elevated position above a railroad rail, an arcuate sliding bar having its ends secured to the under side of said plate and its body traversing the plate transversely and in spaced relation thereto, a lever pivoted intermediate its ends to the under side of said plate one end of said lever extending between the bar and the plate, a spring having one end connected to the lever adjacent its remaining end and the other end slidably mounted on said bar, means for connecting said lever to a switch, and means for moving the lever.

1,464,041. TROLLING SPOON. HENRY I. HOLCOMB, Centerville, S. Dak. Filed Apr. 20, 1922. Serial No. 555,759. 3 Claims. (Cl. 43—45.)



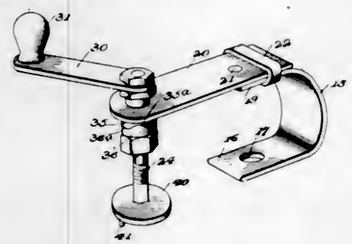
1. A trolling spoon comprising a spoon shaped body a fin extending longitudinally thereof, said fin increasing in height from one end of the trolling spoon to the other end of the trolling spoon.

1,464,042. BAND-SAW GUIDE. JAMES BOOTH HUNT, Avera, Miss. Filed July 6, 1921. Serial No. 482,653. 11 Claims. (Cl. 143—167.)



1. An attachment for resaw machines, said attachment comprising as a substantially unitary detachable structure, lumber guides adapted to receive a strip of lumber between them and having sufficient length and width of engagement with the lumber to accurately guide it in straight longitudinal movement without lateral deviation, and saw guide means secured in definite relation to the lumber guide means and adapted to engage opposite sides of the band saw and guide the saw in definite relation to the lumber without lateral deviation or twisting, so that the lumber is split lengthwise without deviation from the true straight cutting line.

1,464,043. VALVE GRINDER. ALBERT LOVELESS, Aberdeen, Wash. Filed Oct. 6, 1922. Serial No. 592,855. 4 Claims. (Cl. 51—29.)



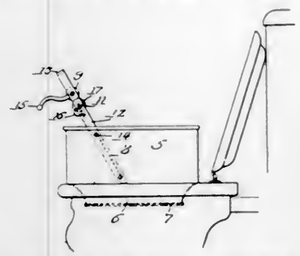
1. A valve grinder comprising, in combination with yieldable means for holding the valve open and away from its seat, a resilient frame having a bearing, a spindle mounted in the bearing for rotary and axial movement and having valve engaging means, a bearing sleeve interposed between the spindle and the bearing of the frame, said bearing sleeve being constrained to partake of the rotary movement of the spindle while adjustable longitudinally thereon, means for holding the sleeve in adjusted position on the spindle, a cam carried by the frame, a cam carried by the sleeve and cooperable with the cam of the frame to effect axial movement of the spindle as the same is rotated and in such manner as to periodically close said valve and move it against its seat, and means for rotating said spindle.

1,464,044. PRESERVED WOOD AND PROCESS OF MAKING SAME. ROBERT A. MARR, Jr., Norfolk, Va., assignor of one-half to Robert A. Marr, Norfolk, Va. Filed July 11, 1918, Serial No. 244,465. Renewed Dec. 30, 1922. 6 Claims. (Cl. 99—12.)

1. A process of preserving wood, comprising the impregnation thereof with a solidifiable material, fluid when hot, comprising a "solidifiable petroleum base" and a petroleum oil of that base, creosote, rosin and diatomaceous earth.

2. Wood impregnated with a resolidified mixture comprising a "solidifiable petroleum base," a petroleum oil of that base, creosote, rosin and diatomaceous earth.

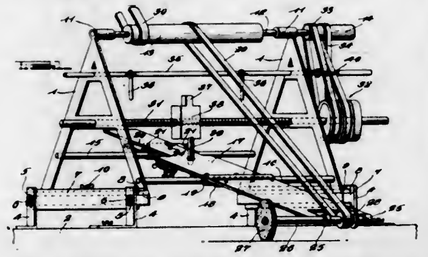
1,464,045. COMBINED WASHER AND WRINGER. CARL W. PIERSON, Rockford, Ill. Filed May 26, 1919. Serial No. 299,713. 2 Claims. (Cl. 68—29.)



2. An article of manufacture comprising a rubbing board having spaced legs joined at one end by a top

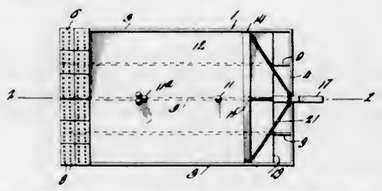
portion and at the opposite end by a grid, said grid consisting of cross rods integrally connected at their ends to longitudinal rods, the ends of which are turned outwardly through adjacent legs and are secured to the latter by nuts on said outwardly turned ends.

1,464,046. MACHINE FOR TRUING CRUSHER ROLLS. JOSEPH RICHARDSON, Bristol, Vt., assignor to Frederick Ladue, Bristol, Vt. Filed Feb. 8, 1922. Serial No. 534,884. 4 Claims. (Cl. 51—254.)



1. A device of the class described comprising a pair of spaced upstanding frames, a pair of horizontally disposed rods connected to and extending between the frames, an arm having a bearing intermediate its ends through which one of said rods extends and on which the arm is horizontally slidable and vertically tiltable, a rotary grinding element carried by said arm, means for actuating said element, means for imparting horizontal movement to said arm and co-acting means between the latter and remaining rod to adjust the arm.

1,464,047. GAME. JAMES A. ROSS, Halifax, Nova Scotia, Canada. Filed Mar. 11, 1920. Serial No. 364,928. 2 Claims. (Cl. 46—61.)



1. A game of the class described comprising a board having pockets at one end, a false bottom spaced above the main bottom of said board and terminating at its ends at points spaced from the ends of the board, and longitudinally disposed upright partitions extending the length of the board under the false bottom and forming supports for said bottom, and pockets at the end of the board.

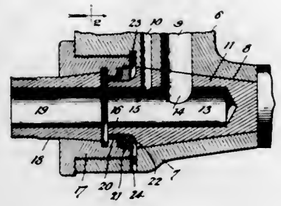
1,464,048. ARTIFICIAL TEXTILE FILAMENT AND PROCESS OF MAKING SAME. JULES ROUSSET, Nogent-sur-Marne, France. Filed Nov. 15, 1921. Serial No. 515,324. 9 Claims. (Cl. 18—54.)



1. In a process of manufacturing hollow, artificial textile filaments, the steps of forming a filament with a filling or core of fluid, and then extracting the fluid to cause the walls of the filament to collapse.

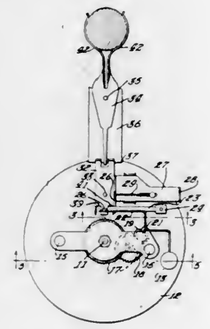
7. As a new article of manufacture, a hollow, artificial textile filament from which the gaseous fluid originally contained therein has been extracted.

1,464,049. THROTTLE VALVE. PETER H. SCHEIB, Denver, Colo., assignor to The Denver Rock Drill Manufacturing Company, Denver, Colo., a Corporation of Delaware. Filed Dec. 7, 1920. Serial No. 428,941. 6 Claims. (Cl. 251—109.)



1. In a structure of the character set forth, the combination with a valve casing, of a tapered valve rotatably mounted in the casing and having an exposed operating handle at its smaller end, means for supplying motive fluid to the casing at the larger end of the valve, and means for relieving a portion of said larger end from the pressure of the motive fluid while retaining the pressure against the remainder.

1,464,050. BURGLAR ALARM. ARCHIE J. SHIMP, Rockford, Ill. Filed May 25, 1922. Serial No. 563,517. 1 Claim. (Cl. 116—79.)

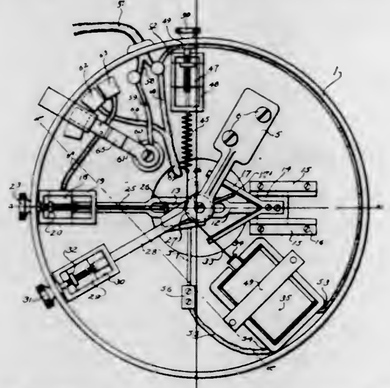


A burglar alarm comprising an alarm-sounding device including a bell and a striker, a spring-actuating member adapted to be held in a set position in which to prevent operation of said striker, a trip member for holding said spring member in said set position and having recesses on opposed sides of said member, whereby upon movement in either direction said spring member will enter one of said recesses and release the striker so that it will be free to sound the alarm.

1,464,051. OSCILLATING MACHINE. JACKSON L. WAITE, Middleton, Ohio, assignor, by direct and mesne assignments, of one-fourth to Albert S. Fenzel, nine-fortieths to Caspar Fenzel, and one-twentieth to Joseph M. Jenefsky, all of Middletown, Ohio. Filed Jan. 17, 1921. Serial No. 437,646. 9 Claims. (Cl. 172—126.)

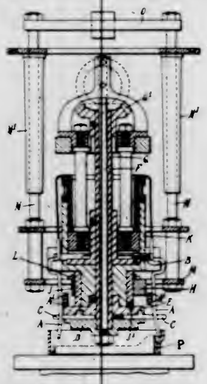
2. In combination, a member to be oscillated, tension means including a cord wrapped about said member to move said member in one direction, electrically operated means to move said member in the other direction, means for intermittently energizing said electrically operated

means, means for adjusting the time of energizing said electrically operated means, means for absorbing the



shock at either end of the oscillating movement of said member, and means for adjusting the speed of movement of said oscillating member.

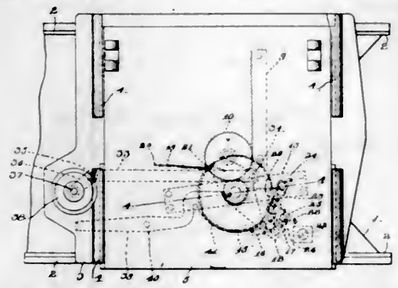
1,464,052. CIRCULAR-KNITTING MACHINE. TOM WIDDOWSON, Nottingham, England. Filed July 3, 1922. Serial No. 572,629. 2 Claims. (Cl. 66—12.)



1. In a striping or patterning attachment for circular knitting machines, the combination of a series of thread guides with inner projections, a main operating cam for moving them outwards, radially projected instruments for moving the guides angularly, and a centrally disposed supplementary or pattern cam which can be brought into action and is adapted to act on the inner projections on and delay the return movement of the guides until it is too late for the radial instruments to move them angularly, substantially as described.

1,464,053. SLICING MACHINE. SOLOMON WILE, Rochester, N. Y. Filed Jan. 13, 1923. Serial No. 612,615. 5 Claims. (Cl. 17—24.)

1. In a slicing machine the combination with a main frame, cutting mechanism mounted on the main frame, a carriage movable past the cutting mechanism, and a material supporting carriage movable on the first mentioned carriage transversely of the latter toward and from the cutting mechanism, of mechanism for feeding the material supporting carriage on the first mentioned carriage embodying a toothed member mounted on the first mentioned carriage and geared to the second mentioned carriage, a movable member carrying an advancing pawl mounted on the first mentioned carriage and cooperating with said toothed member, means on the main frame for cooperating with the movable member to effect the movement of the toothed member, an advance preventing means cooperating with the toothed



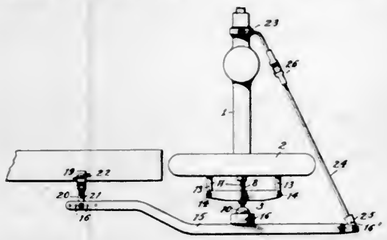
member to prevent the advance movement thereof under the action of the cutting mechanism operating upon the material supporting carriage, and means connected with said movable member for effecting the movement of said advance preventing means out of engagement with the toothed member when said movable member is moved to cause the advancing pawl to shift the toothed member.

1,464,054. METHOD OF PRINTING MOTION PICTURES. FRANK D. WILLIAMS, Los Angeles, Calif. Filed July 20, 1922. Serial No. 576,260. 3 Claims. (Cl. 95—73.)



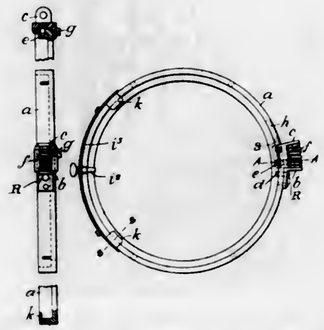
1. The herein described method of printing pictures, which consists in placing a negative over a sensitive plate, projecting light through said negative by means of a reflector, and varying at will the reflectivity of the different portions of the surface of said reflector so as to vary the intensity of light projected through different portions of the negative.

1,464,055. EMERGENCY ATTACHMENT FOR AUTOMOBILE WHEELS. ALVA O. WRIGHT, North Salem, Ind. Filed Sept. 20, 1919. Serial No. 325,079. 10 Claims. (Cl. 301—111.)



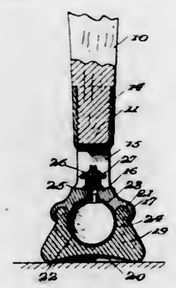
1. An emergency attachment for a broken axle of an automobile wheel, comprising a side bar suitably supported adjacent the outer end of the broken axle, and means carried by the wheel in alignment with and bearing against the axle and adapted to coact with said bar for maintaining the axle in position upon the automobile.

1,464,056. APPLIANCE FOR INSERTING PISTON RINGS OR THE LIKE IN THEIR GROOVES OR REMOVING THEM THEREFROM. ROBERT ALLEN, Woodcote, near Reading, England. Filed Mar. 2, 1920. Serial No. 362,704. 5 Claims. (Cl. 29—86.4.) (Granted under the provisions of the act of Mar. 3, 1921, 41 Stat. L., 1313.)



1. A piston ring expander comprising a continuous non-expansible ring of angular cross section adapted to slide loosely over a piston and to receive the piston ring in its angle, a pair of relatively movable lugs carried by and extending outwardly from said continuous ring, fingers carried by said lugs and extending inwardly through said continuous ring, said fingers being relatively movable when the lugs are relatively moved, whereby to spread the piston ring into the angle of said continuous ring.

1,464,057. TIP FOR CRUTCHES. WILLIAM G. BELL, Philadelphia, Pa. Filed Sept. 3, 1921. Serial No. 498,456. 5 Claims. (Cl. 135—53.)



1. A crutch tip comprising a head with a clincher bead formed upon the lower face thereof and its upper end formed with a pair of legs or struts which terminate in a sleeve adapted to receive the lower end of a crutch stock, a resilient hollow shoe having its upper end formed with a bead adapted to be received by said clincher bead, a pneumatic pad within said shoe, and an inflation valve stem extending through said head and communicating with said pneumatic pad and having its upper end disposed between said legs whereby the pneumatic pad may be inflated.

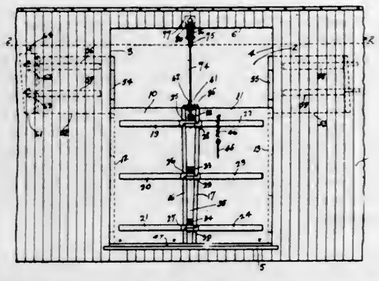
1,464,058. SIGNAL. THOMAS BENNINGFIELD, Coats, Kans., assignor of one-third to Alfred Lancaster, Alva, Okla. Filed Jan. 2, 1923. Serial No. 610,262. 4 Claims. (Cl. 116—63.)

3. In a road signal, a standard, a normally inactive signal arm pivotally mounted thereon, a pivotally mounted vertically disposed horizontal plate arranged transversely of the roadway in the path of vehicle travel, yieldable means for holding the plate in normal position, means operatively connecting the plate with the signal, whereby the latter will be moved to an active position by ve-



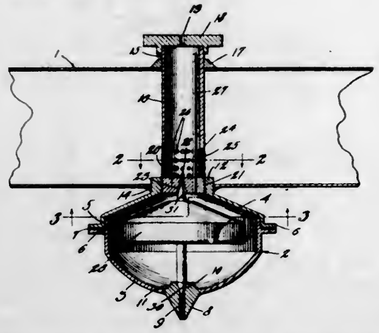
hicles travelling in one direction only, means for holding the arm in signalling position and means spaced from the plate and located in the path of vehicular travel, whereby the holding means will be actuated to release the arm.

1,464,059. GRAIN DOOR. DANIEL ROBERT CAMERON, Vancouver, British Columbia, Canada. Filed Apr. 15, 1922. Serial No. 552,832. 15 Claims. (Cl. 20—28.)



1. A door comprising two sections adapted to be disposed across the door opening with their adjacent vertical edges spaced apart, and means adapted to engage with said adjacent edges to maintain the door when closed in substantially camber-like formation.

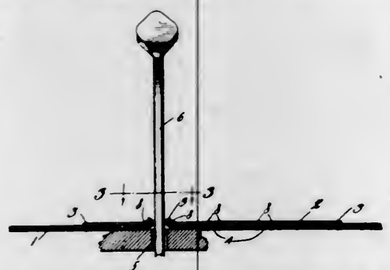
1,464,060. FEED VALVE. BENJOHN F. CRISENBERRY, Kokomo, Ind. Filed Oct. 24, 1921. Serial No. 509,919. 2 Claims. (Cl. 184—103.)



1. A combined oil reservoir and float chamber including a cup-shaped base and a dome-shaped lid screwed one into the other, and having cooperating flanges to abut when the parts are assembled, said lid having a central opening with an internally threaded collar surrounding it, a tubular stem having a foot threaded in said collar and provided with a central opening flared outwardly, said base

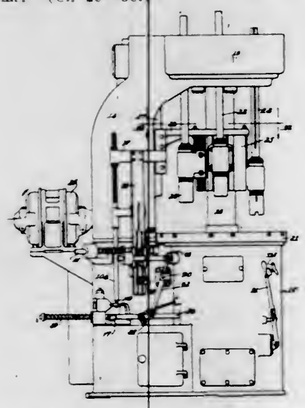
having a bore extending centrally therethrough, and flared inwardly, a float in said chamber having stems extending from its opposite faces and provided with cone-shaped valves to fit the seats formed in said foot and base, said tubular member being adjustable to control the opening in the base.

1,464,061. AUTOMOBILE RUG. DELBERT W. CUSHMAN, Fremont, Ohio. Filed Oct. 20, 1921. Serial No. 509,157. 1 Claim. (Cl. 74—81.)



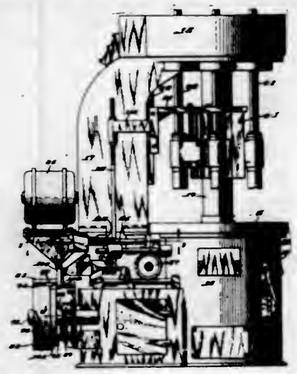
As an article of manufacture a complete rug for covering the floor of a motor vehicle, this rug having a reinforcing layer secured to the upper surface thereof, there being a plurality of slits extending through the rug and the reinforcing layer thereon, said slits terminating in openings providing normally contacting flaps formed by those portions of the rug at the sides of each slit, said flaps being flexible to bridge a movable lever extending through the slits and to contact in the path of the lever, the reinforcing layer constituting means for stiffening the flaps and maintaining them normally in closed or contacting positions.

1,464,062. AUTOMATIC MULTIPLE-SPINDLE METAL-WORKING MACHINE. LEE G. DANIELS, Rockford, Ill. Filed Sept. 27, 1920. Serial No. 412,946. 20 Claims. (Cl. 29—38.)



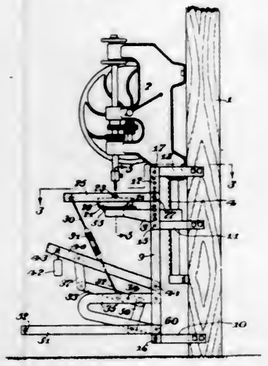
1. In a multiple spindle machine of the character described having a work carrier and a multiple spindle tool carrier, mechanism for relatively moving said carriers in rapid approach, feed and reverse movements, mechanism for indexing one of the carriers, control mechanism for automatically causing the first mentioned mechanism to produce said rapid approach, feed and reverse movements in predetermined relation, and means operable at the will of an operator for causing the first mentioned mechanism, during control thereof by said control mechanism, to function different from the predetermined automatic operation.

1,464,063. AUTOMATIC MULTIPLE-SPINDLE MACHINE. LEE G. DANIELS, Rockford, Ill. Filed Feb. 26, 1921. Serial No. 447,913. 21 Claims. (Cl. 29—38.)



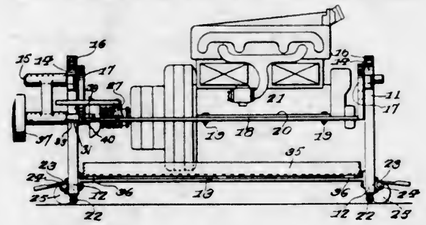
1. In a machine tool organization, the combination of an indexing work carrier and a slidable tool carrier, devices for respectively imparting rapid approach, feed and reverse movements to the tool carrier, a shiftable control rod for rendering such devices operative, means actuated by the indexing carrier and tool carrier for effecting certain movements of said control rod, and a cam drum for effecting other movements of the control rod, whereby said rod controls the complete cycle of operation of the tool carrier.

1,464,064. WORKHOLDER. HIRAM DAVIS, Camden, N. J. Filed Apr. 27, 1921. Serial No. 464,977. 3 Claims. (Cl. 77—63.)



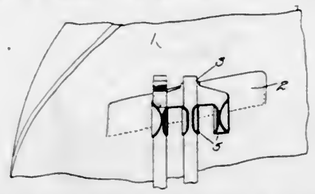
1. In a work holder, the combination of a work support, a clamp adapted to clamp and hold work upon said support, a lever situated a distance from the said clamp the said lever being pivotally supported at a point intermediate its ends, a rod operatively connecting said lever with the said clamp, the said rod having connection at one end with the said lever at a point a distance from its pivot support, a second lever pivoted at one end and having a weight at its other, a link connecting one end of the first named lever with the said second named lever at a point intermediate the ends of the latter, and a third lever pivotally supported at its rear end and situated a distance from the first named lever and upon the opposite side thereof from the second named lever, a link connecting the opposite end of the first named lever to the third named lever at a point intermediate the ends of the latter, substantially as described.

1,464,065. MOTOR-REPAIR STAND. CHARLES W. DICKOVER and EARL W. HENRY, Tomah, Wis.; said Dickover assignor to R. A. Garman and A. W. McMullen, both of Monroe County, Wis. Filed Sept. 2, 1921. Serial No. 497,989. 4 Claims. (Cl. 29—1.)



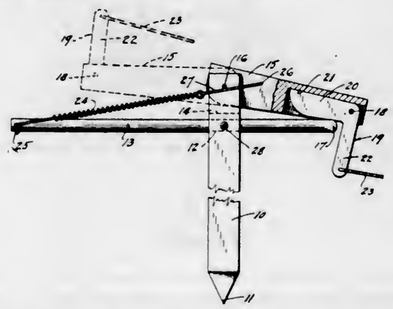
1. A motor repair stand comprising uprights, a rockable cradle mounted on the uprights for supporting an automobile engine and being arranged to be swung into any angle, means on the cradle for controlling the clutch of the engine shaft, and means for driving the engine shaft while the engine is on the cradle.

1,464,066. PENCIL HOLDER. JAMES E. ELMER, Prescott, Ariz. Filed Nov. 27, 1922. Serial No. 603,652. 1 Claim. (Cl. 24—11.)



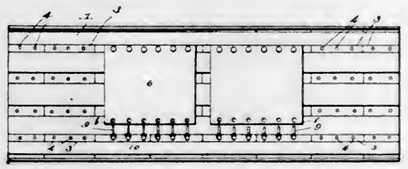
A pencil holder of the class described, consisting of a single piece of metal cut to form integral resilient sleeves having a connecting web therebetween, a portion of said web being directed to form a back wing, a clamping lever pivoted to said wing and having resilient tongues directed therefrom to produce tension upon said lever by engaging said web, and an inwardly direct penetrating tongue upon the free end of said lever, a similar tongue struck from the back wall of the intermediate sleeve and cooperating with the first mentioned tongue to bind the fabric therebetween when the holder is applied.

1,464,067. AUTOMATIC FISHING POLE. FRANKLIN E. FANTZ, Muncie, Ind. Filed Feb. 23, 1922. Serial No. 538,627. 11 Claims. (Cl. 43—15.)



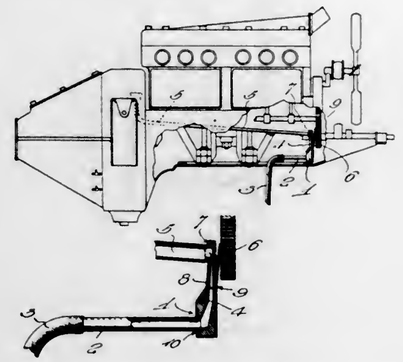
1. In a fishing device, a pivoted lever normally disposed in one position, means for imparting an initial movement to the lever including a fish line connected with the lever, and single means for retaining the lever in the first named position and for causing a further movement of the lever subsequently to the imparting of the initial movement thereto by the first named means.

1,464,068. FASTENING DEVICE FOR FLEXIBLE PRINTING PLATES. SAMUEL C. FORRESTER, Atlanta, Ga., assignor to Fulton Bag & Cotton Mills, Atlanta, Ga. Filed June 14, 1921. Serial No. 477,410. 7 Claims. (Cl. 101—415.1.)



1. A flexible-plate mounting for cylinder presses comprising a cylinder having an annular series of mortises arranged in circumferentially spaced relation around the cylinder, and anchoring means associated with the said cylinder, said means including filler blocks engaged in the said mortises, and anchoring studs having threaded engagement with the said blocks and arranged in two circumferentially spaced rows.

1,464,069. OIL-TUBE CLEANER. WILMER J. GERBER, Deadwood, S. Dak. Filed July 20, 1922. Serial No. 576,279. 4 Claims. (Cl. 137—70.)

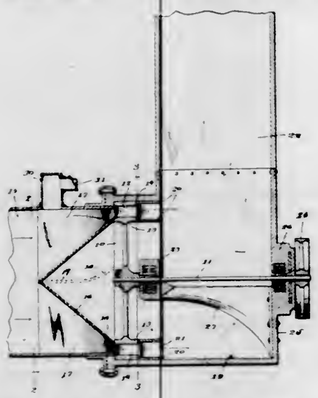


1. An oil tube cleaner for automobile engines comprising a removable fluid supply connection adapted to be interposed between the outlet end of the oil tube and a part spaced from said outlet end of said tube, said connection having means to engage said part and hold the connection in place while forcing fluid under pressure therethrough to clean the tube.

1,464,070. AIR MOTOR. IGNATZ GLANSCHNIG, Gary, Ind., assignor of one-half to Frederick E. Hummel, Chicago, Ill. Filed Feb. 2, 1921. Serial No. 441,909. 1 Claim. (Cl. 253—38.)

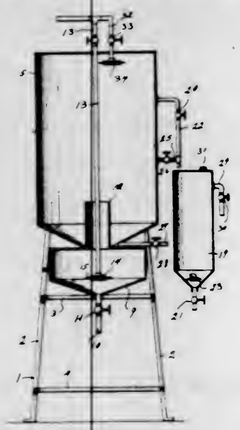
An air motor comprising a rotor having concentric and spaced rims, and peripheral wings extending obliquely therebetween, an air supply conduit leading to the rotor, a spreader cone in the conduit at the outlet end thereof, and spaced at its base from the interior of the conduit to define an annular air space therein,

said air space, registering with the space between the rims of the rotor, a pair of concentric and spaced stationary rings behind the rotor and in line with the



rims thereof, and stationary vanes between said rings extending parallel to and being less in number than that of the rotor wings.

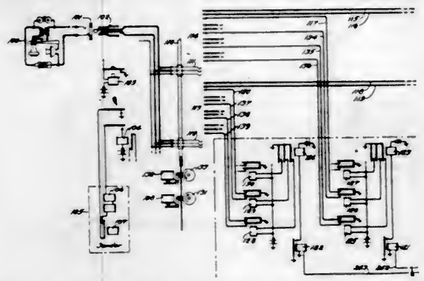
1,464,071. GASOLINE PURIFIER. WILLIAM C. GLOVER, Eldorado, Kans. Filed Sept. 21, 1921. Serial No. 502,104. 2 Claims. (Cl. 210—58.)



1. In an apparatus for purifying gasoline or the like, a tank, a container below said tank, a neck or passage of less diameter than said tank leading from the center of the top of said container to the bottom of said tank and extending upwardly into said tank, and an intake tube leading into the lower part of said container and embodying means intermingling fluid introduced thereby with the contents of the container and directing the same toward the walls of the container.

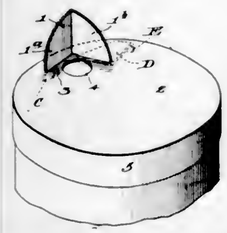
1,464,072. TELEPHONE EXCHANGE SYSTEM. EDMUND W. HANCOCK, New York, N. Y., assignor to Western Electric Company, Incorporated, New York, N. Y., a Corporation of New York. Filed Mar. 21, 1921. Serial No. 454,105. 11 Claims. (Cl. 179—27.)

1. In a telephone system, a trunk line, switching means for selecting said trunk to extend a connection thereover, a second switching means for further extending said connection, a plurality of register senders for controlling said second switching means, and means for



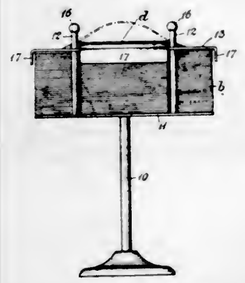
rendering said trunk non-selectable to said first switching means when all of the register senders are simultaneously busy.

1,464,073. SALT-POURING SPOUT. JOHN FRANCIS HARRINGTON, Hutchinson, Kans., assignor to Hutchinson Egg Case Filler Company, Hutchinson, Kans. Filed June 30, 1921. Serial No. 481,615. 5 Claims. (Cl. 221—11.)



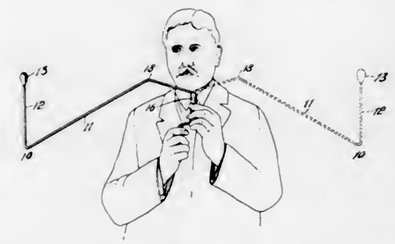
1. A pouring spout construction including in combination with the container and its cap a spout body adapted to be carried by the cap adjacent said discharge orifice, and having anchoring means adapted to be clamped between the cap and body of the container.

1,464,074. HOLDER FOR SHEETS ARRANGED IN PILES. PAUL H. HORWITT, Brooklyn, N. Y., assignor, by mesne assignments, to Independent Paper Mills, Inc., Brooklyn, N. Y., a Corporation of New York. Filed June 27, 1922. Serial No. 571,296. 5 Claims. (Cl. 211—29.)



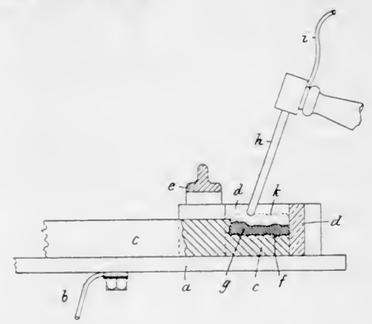
2. The combination of a stand, upright guide members on said stand, a pile of paper napkins supported on said stand between said guide members and having alternate napkins arranged in transverse relation to each other to produce a central area of greater density than adjacent outer areas located between and beyond said guide members, and a device arranged to depress said pile at its areas of lesser density outside of the guide members whereby the napkins at the top of said pile are bulged outwardly at the central area of greater density inside of said members to facilitate removal of individual napkins.

1,464,075. EYE-EXERCISING DEVICE. NELSON YOUNG HULL, Plainfield, N. J. Filed Aug. 18, 1922. Serial No. 582,650. 7 Claims. (Cl. 128—76.)



1. A device of the character described for the exercise of the ocular muscles, comprising a body portion having at its free end a fixation object and at its other end an axial section to be retained in one hand and a crank section to be operated by the other hand for turning said axial section and thereby swinging said body portion to move said object on the arc of a circle.

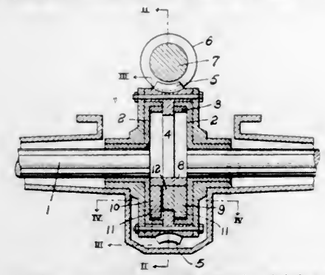
1,464,076. DEPOSITING METAL BY THE ELECTRIC ARC. ERNEST HENRY JONES, Canonbury, London, England. Filed Sept. 29, 1917. Serial No. 193,943. 1 Claim. (Cl. 219—8.)



The process of applying a high speed steel cutting edge to a tool, which consists in securing said tool within an enclosing mould, the tool being electrically connected with one pole of a source of current, applying to said tool one end of an electrode containing the materials necessary to produce when fused a metal of the character required, said electrode being electrically connected with the other pole of the source of current, holding said electrode in contact with said tool until a sufficient quantity of the electrode has been fused, then substituting a carbon electrode for said metal electrode and continuing the passage of the current while the tool remains in the mould until the deposited metal subsides into a homogeneous mass free from blowholes.

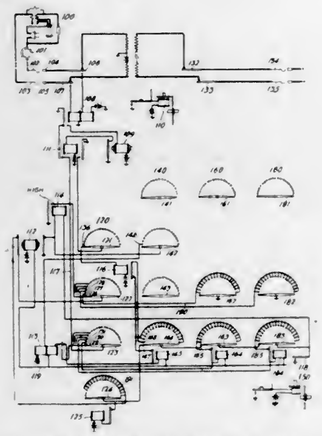
1,464,077. CLUTCH MECHANISM. WALTER KENNEDY, Pittsburgh, Pa. Filed May 23, 1921. Serial No. 471,752. 3 Claims. (Cl. 74—7.)

1. In a clutch mechanism, the combination of two shafts, expansible resilient rings adapted when expanded to engage said shafts, a driving member, and means carried by said member for expanding said rings and



forming driving connections between the driving member and the rings.

1,464,078. SELECTIVE SWITCH. OTTMAR H. KOPP, Brooklyn, N. Y., assignor to Western Electric Company, Incorporated, New York, N. Y., a Corporation of New York. Filed Sept. 9, 1920. Serial No. 409,130. 9 Claims. (Cl. 179—18.)



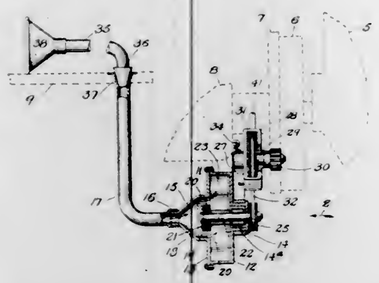
1. In combination, a switch having a plurality of settings, means for transmitting current impulses, means operated in response to the transmission of an impulse to move said switch to its first setting, and means responsive to a succeeding series of impulses for continuing the movement of said switch to take a setting corresponding to the number of impulses contained in said succeeding series.

1,464,079. PRODUCTION OF VAT COLORING MATTERS. MAX ALBERT KUNZ, Mannheim, Germany, assignor to Badische Anilin & Soda Fabrik, Ludwigshafen-on-the-Rhine, Germany, a Corporation of Germany. Filed Dec. 11, 1922. Serial No. 606,266. 3 Claims. (Cl. 260—61.)

1. As a new article of manufacture, a vat coloring matter of the dibenzanthrone series which dyes cotton from a violet hydrosulfite vat bluish gray or, when employed in higher percentages, bluish black shades of excellent fastness, which product is practically insoluble in most solvents but dissolves in boiling pyridine with a blue color and an intensely red fluorescence and which, when dissolved in sulfuric acid takes up a small amount of nitrous acid.

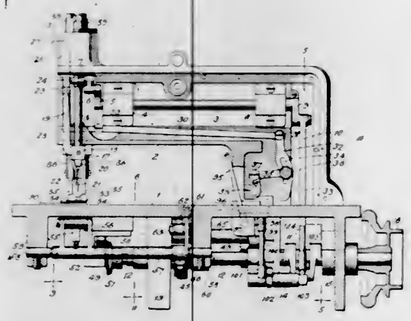
3. The process of manufacturing a new dyestuff of the dibenzanthrone group which consists in heating dibenzanthrone, in the presence of concentrated sulfuric acid, with hydroxylamine sulfate.

1,464,080. VACUUM PUMPING ATTACHMENT FOR MOTOR VEHICLES. ROBERT M. LANGDON, Englewood Cliffs, N. J. Filed Apr. 19, 1920. Serial No. 374,938. 6 Claims. (Cl. 15—2.)



3. The combination with a motor vehicle of a unitary vacuum apparatus comprising a suction element, means on said element adapted to cooperate with a rotatable member of the vehicle for operating said suction element, and means mounted in the structure of the vehicle and communicating with said suction element with which vacuum cleaning attachments may be coupled for the purpose of removing dust and dirt from various parts of the vehicle in connection with which the apparatus is mounted.

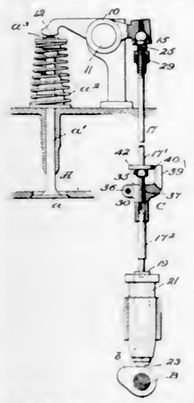
1,464,081. SEWING MACHINE. JAMES LEATHEM, Lebanon, Pa. Filed Sept. 15, 1920. Serial No. 410,472. 9 Claims. (Cl. 112—81.)



1. A hem stitching machine including in combination, a reciprocating needle bar, means for holding the needle connected thereto, a rotary hook located to one side of the line of feed of the material and adapted to engage the thread carried by the needle, and means for oscillating said needle to make lateral stitches in the material, said oscillating means being arranged to move the needle when in the material toward and away from said hook, said last named means serving to position the needle thread in uncrowded relation to the side of the material upon the withdrawal of the needle from the material, whereby the needle thread will have a free action at relatively high speeds of the machine.

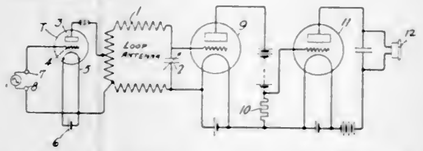
1,464,082. VALVE-ADJUSTING DEVICE. PAUL LEO, Elizabeth, N. J. Filed Apr. 12, 1920. Serial No. 373,071. 7 Claims. (Cl. 123—90.)

1. A valve operating connection comprising two parts adapted to be adjusted toward and from one another in the direction of the transmission of operative motion, one of the said parts provided with a series of graduations



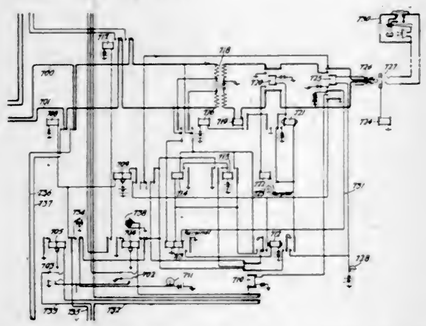
and the other of said parts provided with an indicator cooperating with said graduations for measuring the extent of movements of said parts.

1,464,083. RECEIVING APPARATUS FOR HIGH-FREQUENCY SIGNALING. SIEGMUND LOEWE, Berlin, Germany, assignor to Western Electric Company, Incorporated, New York, N. Y., a Corporation of New York. Filed Mar. 19, 1921. Serial No. 453,846. 4 Claims. (Cl. 250—20.)



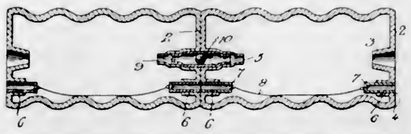
1. A receiving system comprising a loop antenna, a receiving electric discharge tube connected across an element of said antenna, inductance in said antenna, and an electric discharge device for supplying locally produced oscillations to said antenna connected across a portion of said inductance.

1,464,084. TELEPHONE-EXCHANGE SYSTEM. ALBEN E. LUNDELL, Chicago, Ill., and EDGAR H. CLARK, Richmond Hill, N. Y., assignors to Western Electric Company, Incorporated, New York, N. Y., a Corporation of New York. Filed June 9, 1920. Serial No. 387,531. 34 Claims. (Cl. 179—27.)



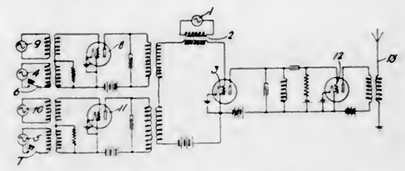
20. In a telephone system, a trunk, a plurality of mechanisms each of which is operable over said trunk, means for extending said trunk to any one of said mechanisms individually, and a signal operable in response to the operation of said means for indicating to which of said mechanisms said trunk is extended.

1,464,085. PNEUMATIC TIRE. MITSUJIRO MOTOKI and CHUSUKE YAGI, Tokyo-Fu, Japan. Filed Nov. 29, 1919. Serial No. 341,509. 9 Claims. (Cl. 152—22.)



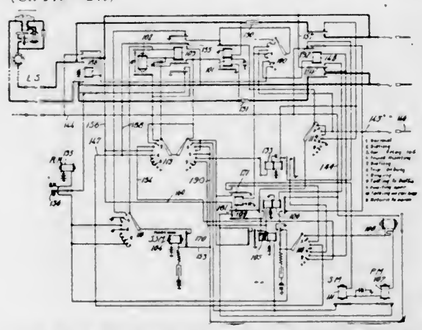
6. A pneumatic tire comprising separate sections of tubing, end plates on said tubing, a pair of inwardly projecting cooperating nozzles in each plate, a tubular stem for one of said pairs of cooperating nozzles, whereby said sections are held in alignment, and valve heads for each of the other of said nozzles, said heads having therein an opening for the release of excessive air pressure, and means for connecting opposing heads to effect said release of pressure.

1,464,086. METHOD OF AND MEANS FOR SECRET SIGNALING. WILLIAM E. BEATTY, Bayside, Long Island, N. Y., assignor to Western Electric Company, Incorporated, New York, N. Y., a Corporation of New York. Filed Dec. 27, 1918. Serial No. 268,467. 16 Claims. (Cl. 250—10.)



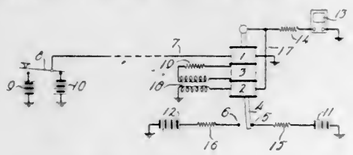
1. The method of signal transmission which comprises producing a plurality of different waves modifying each in accordance with an individual one of a series of sequentially occurring elements of a signal and simultaneously modifying a common carrier wave by all of said plurality of modified waves.

1,464,087. MACHINE-SWITCHING TELEPHONE-EXCHANGE SYSTEM. WARREN W. CARPENTER, Brooklyn, N. Y., assignor to Western Electric Company, Incorporated, New York, N. Y., a Corporation of New York. Filed Dec. 31, 1919. Serial No. 348,560. 27 Claims. (Cl. 179—27.)



1. In a machine switching telephone exchange system, telephone lines, offices wherein said lines terminate, trunk lines interconnecting said offices, means at each office for producing a cycle of operations, an impulse relay at each office adapted upon the movement of its armature in one direction to start said means in operation, circuits each including a trunk from one office to the next including the impulse relay thereat, the electrical condition of which is changed by said means while it is going through a cycle of operations, the cycle of operations of each of said means when initiated upon operation of the corresponding impulse relay being independent of the subsequent movement of the armature of said impulse relay in the other direction, and automatic switches controlled by said impulse relays for building up the connection.

1,464,088. ELECTROMAGNETIC DEVICE. GEORGE C. CUMMINGS, East Orange, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y., a Corporation of New York. Filed Sept. 27, 1920. Serial No. 413,207. 7 Claims. (Cl. 175—320.)



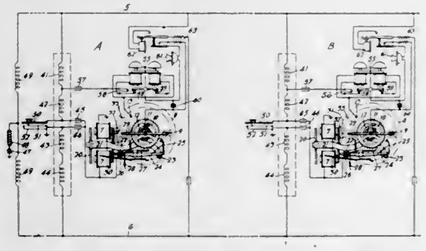
1. In a polarized electrical relay, an armature for affecting various circuit changes, an operating winding to operate said armature, an opposing winding to influence said armature oppositely to said operating winding, and an accelerating winding inductively associated with said opposing winding to supplement the influence thereof.

1,464,089. PLASTIC HAIR WORK AND METHOD OF CONSTRUCTING SAME. RICHARD ERNEST, New York, N. Y. Filed Feb. 13, 1922. Serial No. 536,140. 10 Claims. (Cl. 132—53.)



1. An artificial hair covering for the human head made to present a perfect resemblance to the natural human scalp and hair comprising a plastic outer layer, an adhesive plastic inner layer, a fibre base intermediate said plastic layers and a plurality of hairs imbedded in and through said layers and base.

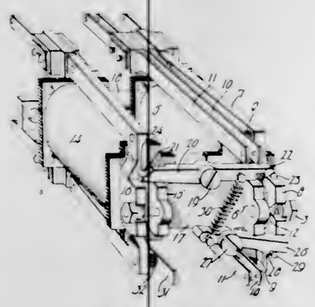
1,464,090. SIGNALING SYSTEM. JOSEPH C. FIELD, East Orange, N. J., and CHARLES J. MCCARTHY, Elmhurst, N. Y., assignors to Western Electric Company, Incorporated, New York, N. Y., a Corporation of New York. Filed July 14, 1919. Serial No. 310,815. 4 Claims. (Cl. 177—340.)



1. In a signaling system, a metallic line circuit, a plurality of stations associated therewith, an inductive device comprising a plurality of windings at each station con-

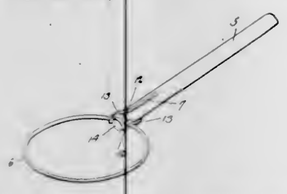
nected in bridge of the line circuit, a selector at each station connected between the mid-point of the inductive bridge and ground, a source of current, means for operating all of the selectors from said source, a signaling device controlled by each selector, and a local circuit controlled by each signaling device and inductively coupled with the line circuit through the windings of the inductive device.

1,464,091. ELECTROMAGNETIC DEVICE. WILLIAM H. D. FORD, New York, N. Y., assignor to Western Electric Company, Incorporated, New York, N. Y., a Corporation of New York. Filed Dec. 27, 1919. Serial No. 347,807. 3 Claims. (Cl. 200—98.)



3. A circuit controlling device comprising circuit controlling springs; an electromagnet; a pair of directly interlocking armatures for said electromagnet, one of said armatures being a circuit controlling armature arranged to actuate said circuit controlling springs; a catch; means for causing said catch to engage said circuit controlling armature to hold it in the operated position; a second independent electromagnet; an armature for said second electromagnet arranged to disengage said catch from said circuit controlling armature; and spring means tending to maintain all of said armatures in a non-operated position.

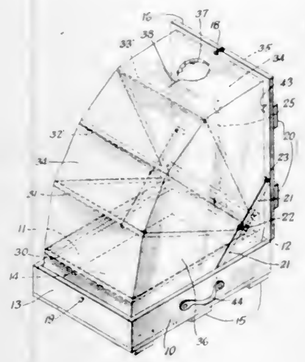
1,464,092. CRAB-NET FRAME. ISAAC FRANKLIN, Baltimore, Md. Filed Jan. 16, 1923. Serial No. 612,923. 2 Claims. (Cl. 43—11.)



1. A support of the character described comprising a pole, and a single piece of wire bent into the form of a hoop, the respective ends of the wire having bends which extend partly around the pole on opposite sides thereof, one of said bends adjacent to the pole being looped around the wire forming one side of the hoop, and the other bend being similarly looped around the wire forming the other side of the hoop, said bends terminating in straight portions extending along the pole on opposite sides thereof and secured thereto.

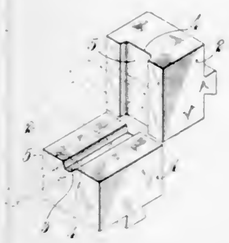
1,464,093. VAPOR OR HOT-AIR BATH. ISIDOR FRIEDLANDER, Newark, N. J. Filed Mar. 8, 1923. Serial No. 623,595. 2 Claims. (Cl. 4—13.)

1. A bath structure comprising an oblong rectangular casing having raised walls, a cover hinged to one of the rear walls, means for holding said cover erect, a transverse bar mounted to slide lengthwise on the inner side of said cover, brackets at the ends of said bar, a plurality of looped frame ribs pivoted to said brackets, means for



confining said ribs against said cover, and a hood having an adjustable opening secured respectively to said bar and outer edge of said cover and said frame ribs to enclose the space above said casing within the confines of said ribs.

1,464,094. FORGING MECHANISM. FRANK A. HALLECK, Oak Park, Ill., assignor to Sullivan Machinery Company, a Corporation of Massachusetts. Original application filed Mar. 6, 1917, Serial No. 152,871. Patent No. 1,416,485, dated May 16, 1922. Divided and this application filed Apr. 11, 1922. Serial No. 551,440. 6 Claims. (Cl. 76—95.)

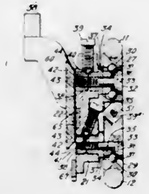


1. Swaging dies for drill steels comprising stationary and movable die blocks, one of said blocks having a steel truing channel extending longitudinally thereof to one end of the block and the other having a cooperating widened flat bottomed channel engageable with the upper surface of a steel in said first mentioned channel.

1,464,095. CALCULATING MACHINE. FREDERICK A. HART, New Britain, Conn., assignor to Remington Accounting Machine Corporation, New York, N. Y., a Corporation of New York. Filed Dec. 1, 1922. Serial No. 604,182. 28 Claims. (Cl. 235—59.)

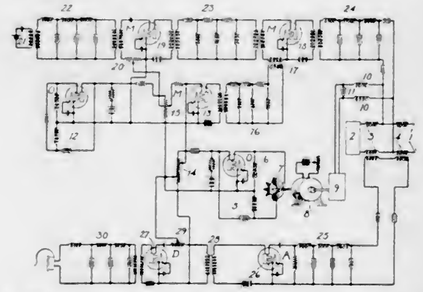
1. In a calculating machine, the combination of a truck; means for supporting and guiding said truck in its travel comprising fixed parallel supporting ways and rollers by which the truck is wholly supported and guided, the rollers

being on said truck and bearing on said ways; and means for effecting an adjustment of said truck relatively to said ways.



9. In a calculating machine, the combination of a totalizer; a truck therefor comprising a main body section and a totalizer carrying section; and adjustable means for fixedly uniting said sections in different angular relations.

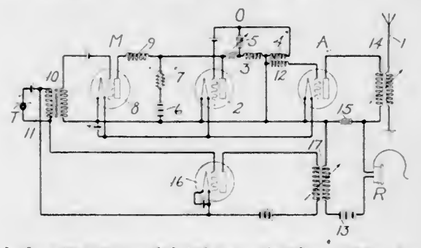
1,464,096. SECRET SIGNALING. RALPH V. L. HARTLEY, East Orange, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y., a Corporation of New York. Filed Aug. 28, 1920. Serial No. 406,700. 20 Claims. (Cl. 179—171.)



8. The method of modulating a carrier wave by a modulating wave, which comprises increasing the frequency of the modulating wave and increasing the frequency of the carrier wave by equal amounts before modulation, whereby the frequency separation of the resulting side bands is increased and the effective transmission carrier frequency is unchanged.

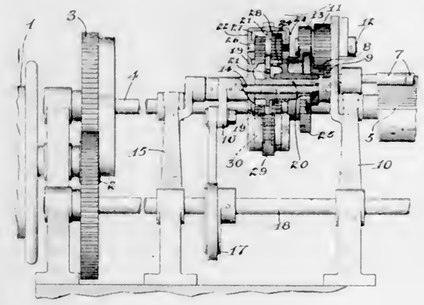
16. In combination two modulators supplied by sustained waves of the same frequency and each by a different modulating wave, and a third modulator supplied by output waves from said two modulators.

1,464,097. TWO-WAY-SIGNALING SYSTEM. RAYMOND A. HEISING, East Orange, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y., a Corporation of New York. Filed Aug. 7, 1920. Serial No. 401,888. 11 Claims. (Cl. 250—6.)



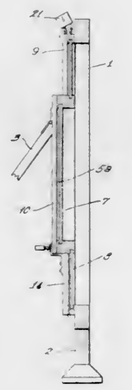
1. In a two-way modulated wave signaling system, a repeating device for transmitting a high frequency wave modulated in accordance with signaling-frequency currents and for translating modulations of a high frequency wave into signaling currents, a transmitter and a receiver for signaling frequency currents associated with said repeating device, and means for reducing the effect on said receiver of currents of signaling frequency in said transmitter comprising a circuit between said transmitter and receiver for impressing signaling currents from said transmitter upon said receiver.

1,464,098. DETACHING MOTION FOR COMBING MACHINES. SIGURD H. HELLAND, Whitinsville, Mass., assignor to Whitin Machine Works, Whitinsville, Mass., a Corporation of Massachusetts. Filed July 19, 1922. Serial No. 575,922. 12 Claims. (Cl. 19—120.)



5. In a comber, the combination with the comb cylinder shaft having a pinion and a detaching roll shaft having a pinion, of an epicyclic gear set comprising a spider member having annular side shrouds and circumferential teeth driven by said comb shaft pinion, planetary pinions carried by said shrouds and concentric side gears closing the centers of said shrouds, one of said gears being connected with said roll shaft pinion and the other with an oscillating member.

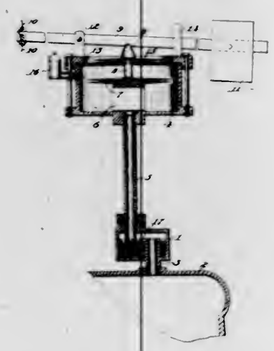
1,464,099. ADVERTISING DEVICE. GEORGE E. HERLIHY, New York, N. Y. Filed Aug. 10, 1921. Serial No. 491,080. 8 Claims. (Cl. 40—64.)



1. An advertising sign embodying a plurality of closed compartments or chambers, each of which is adapted to

house an advertising and show card, the majority of which compartments lie in the same plane and at least one of which lies in a different plane, and means for permitting access to the interior of the compartment in one plane to the exclusion of the compartment in the other plane and vice versa.

1,464,100. AUTOMATIC DAMPER REGULATOR. MAURICE FRANK HUTCHISON, Herndon, Va., assignor to Hutchison Regulator Company, Herndon, Va., a Corporation of Delaware. Filed May 6, 1920. Serial No. 379,260. 8 Claims. (Cl. 236—32.)



1. A damper regulator comprising an obstruction in communication with a pressure generator, a thermostat exposed to steam or vapor passing through the obstruction, and a damper controlling device operable by the thermostat.

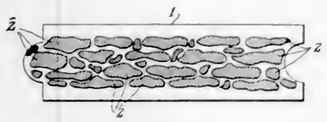
1,464,101. COATING FOR ELECTRIC LAMPS. MATT LUCKIESH, Cleveland, Ohio, assignor to General Electric Company, a Corporation of New York. Filed Nov. 6, 1919. Serial No. 336,194. 6 Claims. (Cl. 176—16.)



2. An incandescent lamp having thereon a coating comprising an alkaline silicate and a hydrous insoluble earthy silicate.

1,464,102. PLATE FOR USE IN LINING BURGLAR-PROOF VAULTS AND SIMILAR PURPOSES. FRANCIS J. NAPOLITAN, Jersey City, N. J., assignor to American Abrasive Metals Company, a Corporation of New York. Filed Aug. 13, 1921. Serial No. 492,201. 9 Claims. (Cl. 109—1.)

1. As a new article of manufacture a plate for use in forming bank vaults and similar purposes which plate comprises a matrix of cast iron in which are embedded closely packed masses each comprising fused and



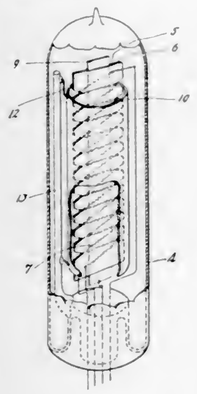
crystallized magnesium oxide substantially free from hydrates and in the form of a graded aggregate.

1,464,103. SOUND DETECTOR. GEORGE HOWARD NASH, Weymouth, England. Filed Feb. 15, 1919. Serial No. 277,338. 6 Claims. (Cl. 181—0.5.) (Granted under the provisions of the act of Mar. 3, 1921, 41 Stat. L., 1313.)



1. Apparatus for detecting under-water vibrations comprising a completely submersible container adapted to be towed through the water, a body of liquid within said container in contact with the walls of said container, such walls being transparent to sound vibrations existing in the water in which said container is submersed, a cable for towing the carrier through the water, and means entirely embedded in sound damping or vibration insulating material enclosed in or attached to the nose of said carrier for securing the cable to the carrier.

1,464,104. SELECTIVE APPARATUS FOR SIGNALING CIRCUITS. ALEXANDER MCLEAN NICOLSON, New York, N. Y., assignor to Western Electric Company, Incorporated, New York, N. Y., a Corporation of New York. Filed July 26, 1917. Serial No. 182,993. 55 Claims. (Cl. 250—27.)

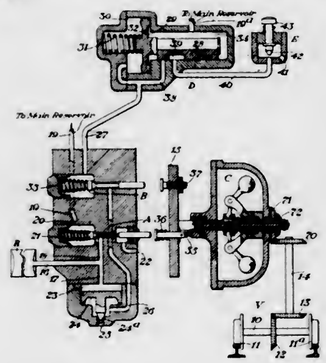


1. A vacuum tube device having at times substantially zero space current, and means responsive to impressed alternating current waves to establish the space current.

12. An evacuated vessel and an electrode therein comprising a filament wound around a self-supporting dielectric sheet.

49. A vacuum tube comprising an evacuated envelope containing an anode, a cathode, and a grid, said grid being supported by said anode.

1,464,105. RAILWAY-TRAFFIC-CONTROLLING APPARATUS. FRANK H. NICHOLSON, Wilkinsburg, Pa., assignor to The Union Switch & Signal Company, Swissvale, Pa., a Corporation of Pennsylvania. Filed Sept. 8, 1920. Serial No. 408,810. 15 Claims. (Cl. 246—182.)



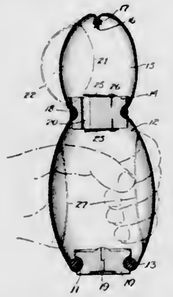
13. In combination, a railway vehicle, a speed responsive device thereon, means for driving said device at a speed proportional to the speed of the vehicle, and safety apparatus controlled by the rate at which said device changes from one speed condition to another.

1,464,106. SLAB AND FLOOR. ACHILLE ORZALI, Lucques, Italy, assignor to Societa Fabbrica di Tavelloni "Achille Orzali & Compagnia," Lucques, Italy. Filed July 30, 1920. Serial No. 400,085. 4 Claims. (Cl. 72—66.)



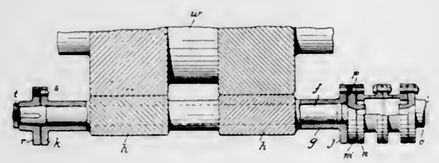
1. A slab for floors and the like comprising a reinforced concrete frame in which a series of recesses are formed, a small block being inserted in each recess, and two adjacent blocks forming an angle close to 180° between each other in order to constitute an arch in the longitudinal direction of the slab.

1,464,107. TOY. THOMAS W. PEDERSEN, New York, N. Y., assignor to H. I. Wagner Co., New York, N. Y. Filed Dec. 21, 1921. Serial No. 523,833. 3 Claims. (Cl. 46—40.)



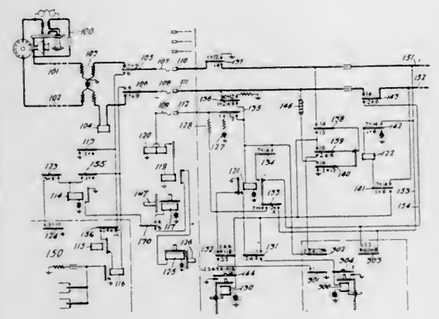
1. As an article of manufacture, a toy comprising an inflatable tubular member; a circular base fitted into one end of said member and having a peripheral groove formed therewith, and a ring adapted to seat in the groove of said base to maintain said member in engagement with the base, said ring being disposed in the interior of said tubular member when the toy is completed.

1,464,108. DRIVING GEAR. ARVID PETERSON, Trenton, N. J., assignor to De Laval Steam Turbine Company, Trenton, N. J., a Corporation of New Jersey. Filed July 29, 1921. Serial No. 488,307. 2 Claims. (Cl. 74—7.)



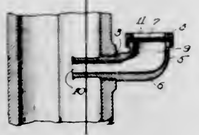
1. The combination of a driving pinion and a shaft secured to each other, one of said members being under a twisting strain when not under load in a direction to substantially relieve the strain when driving the normal load calculated to be driven thereby.

1,464,109. AUTOMATIC TELEPHONE-EXCHANGE SYSTEM. LIPA POLINKOWSKY, Antwerp, Belgium, assignor to Western Electric Company, Incorporated, New York, N. Y., a Corporation of New York. Filed Sept. 10, 1919. Serial No. 322,943. 14 Claims. (Cl. 179—18.)



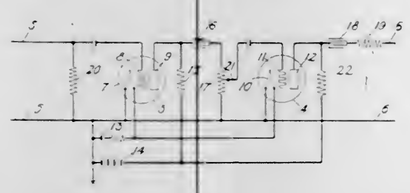
1. In a telephone exchange system, a calling line, a called line, a numerically operated switch arranged to be driven in a continuous movement, step-by-step switches, means for operating said first mentioned switch in its continuous movement to extend the calling line, and means for operating said step-by-step switches to further extend the calling line into connection with said called line.

1,464,110. HUMIDIFYING AIR VENT. ALLAN RAMSET, Chicago, Ill. Filed Aug. 5, 1920. Serial No. 401,306. 3 Claims. (Cl. 237—78.)



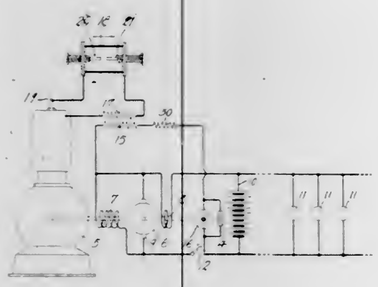
1. A humidifying air vent comprising a tubular body threaded exteriorly for application to a source of steam, in combination with a hard, rigid plate disposed across the opening through said tubular body, said plate being of porous character and adapted to permit restricted escape of air and steam under ordinary radiator pressures.

1,464,111. ELECTRIC CIRCUITS. HARRY S. READ, New Haven, Conn., assignor to Western Electric Company, Incorporated, New York, N. Y., a Corporation of New York. Filed Dec. 23, 1919. Serial No. 346,992. 5 Claims. (Cl. 179—171.)



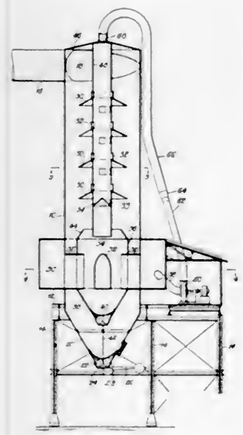
1. The method of amplifying an alternating current wave which comprises the steps of amplifying a wave whereby harmonics are produced, and amplifying such a portion of the amplified wave that harmonics generated by the first amplification are neutralized by the harmonics generated by the second amplification.

1,464,112. ELECTRICAL IGNITION SYSTEM. CHARLES E. REDDIG, Richmond Hill, N. Y., assignor to Western Electric Company, Incorporated, New York, N. Y., a Corporation of New York. Filed Apr. 28, 1921. Serial No. 465,296. 7 Claims. (Cl. 123—148.)



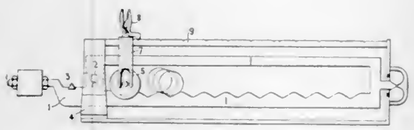
2. In a prime-mover dynamo plant in combination, a single cylinder internal combustion engine, a generator driven by the engine, supply leads from the generator, an induction coil primary and an interrupter connected across the leads of the generator, a secondary in inductive relation to the primary, a spark plug, and an asymmetric conductor in circuit with the secondary to prevent current passing through the spark plug upon the closure of the interrupter contacts.

1,464,113. GAS CLEANER. HERBERT C. RYDING, Birmingham, Ala. Filed Jan. 26, 1922. Serial No. 531,969. 10 Claims. (Cl. 183—35.)



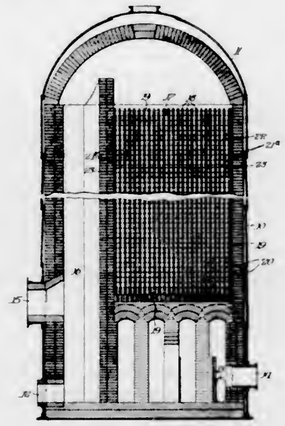
1. A gas cleaner comprising a shell forming a cleaning chamber having spaced ports for admission and eduction of gas, means within said shell utilizing jets of gas previously passed through said cleaner to impart centrifugal rotation to the gas while traversing said chamber, and means for the removal of the dust collected in said chamber.

1,464,114. TRAVELING POISE FOR WEIGHING MACHINES. KORNELIUS SCHEMBER, Atzgersdorf, Austria, and RUDOLF JOKSCH, Prague-Karolinenthal, Czechoslovakia. Filed June 9, 1920. Serial No. 387,769. 3 Claims. (Cl. 265—49.)



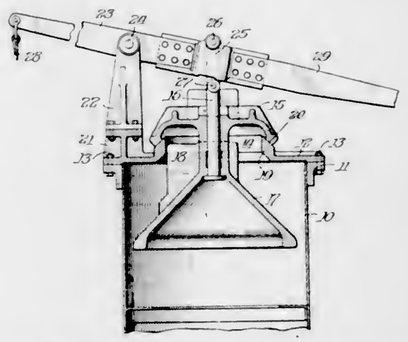
1. In a steelyard weighing apparatus, the combination with a notched steelyard frame and a balance frame, of a movable poise, a carrier movable along the balance frame and engaging the said poise so as to take it along when moved in either direction, the arrangement being such that the poise on reaching the balance position is released by the said carrier to seat itself automatically in the notch of the said steelyard frame corresponding to the balance position.

1,464,115. HOT-BLAST STOVE. GEORGE E. STEUDEL, Milwaukee, Wis. Filed Sept. 15, 1921. Serial No. 500,934. 3 Claims. (Cl. 263—19.)



1. In combination, a hot blast stove and a lining therefor comprising a checker work arranged in courses, a part of said courses being in vertical offset relation with each other and each brick being in end to side horizontal relation with each other.

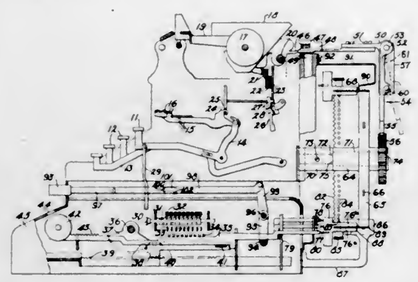
1,464,116. EXPLOSION VALVE. GEORGE E. STEUDEL, Milwaukee, Wis. Filed Nov. 25, 1921. Serial No. 517,775. 5 Claims. (Cl. 266—26.)



1. A bleeder valve for blast furnaces comprising a valve seat and a valve seated on the outer periphery thereof.

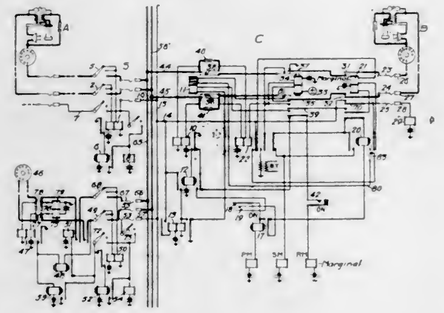
1,464,117. COMBINED TYPEWRITING AND COMPUTING MACHINE. BURNHAM C. STICKNEY, Elizabeth, N. J., assignor to Underwood Computing Machine Company, New York, N. Y., a Corporation of New York. Filed Nov. 30, 1921. Serial No. 518,810. 23 Claims. (Cl. 235—60.)

1. In a combined typewriting and computing machine, in combination, a traveling carriage in the upper part of the machine, having a letter-feed movement from right to left, a register comprising a set of numeral wheels, mechanism for operating said wheels, including a series of denominational members arranged in descending order from left to right, index devices on each of said members, and carriage-actuated means to shift said denominational members seriatim to enable setting of the index devices thereon, including a flexible band guided in a straight line adjacent said members



and moving past the same from left to right during a letter-feed movement of the carriage, and a tappet on said band to engage and actuate said members as the carriage passes step-by-step through a computing zone.

1,464,118. MACHINE-SWITCHING TELEPHONE-EXCHANGE SYSTEM. RAY L. STOKELY, Floral Park, Long Island, N. Y., assignor to Western Electric Company, Incorporated, New York, N. Y., a Corporation of New York. Filed Nov. 28, 1919. Serial No. 341,104. 7 Claims. (Cl. 179—18.)

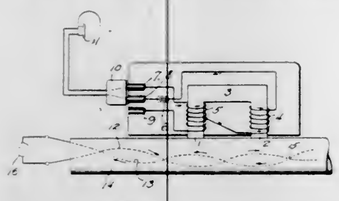


1. In a machine switching telephone exchange system, the combination with talking trunk conductors, an automatic switch wherein said trunk conductors terminate, a battery and feed coils normally bridged across said talking conductors at said switch, of an electromagnetic switch controlling the connection of said battery and feed coils to said conductors, a plurality of paths over which said automatic switch may be selected, means controlled by the path over which said switch is selected for controlling the operation of said electromagnetic switch, a second bridge for feeding talking current, and means actuated when the first bridge is cut off for connecting said second bridge to said trunk conductors.

1,464,119. FAULT LOCATOR FOR ELECTRIC CABLES. HUGH M. STOLLER, New York, and EDGAR M. MATTHEWS, Jamaica, N. Y., assignors to Western Electric Company, Incorporated, New York, N. Y., a Corporation of New York. Filed Dec. 8, 1920. Serial No. 429,235. 8 Claims. (Cl. 175—183.)

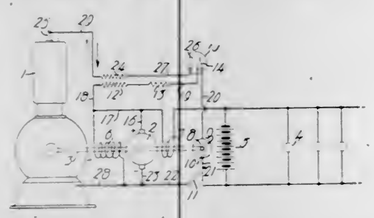
1. A device for locating faults in electric cables, comprising a current detecting device, a U-shaped magnet core, a pair of windings thereon, a circuit having three

terminal jacks, and switching means for connecting said device and said windings in said circuit by means of two



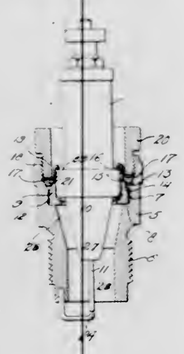
of said three terminal jacks, and for changing the connections of a portion of one of said windings with respect to the other by means of two of said three terminal jacks.

1,464,120. ELECTRICAL IGNITION SYSTEM. HUGH M. STOLLER, New York, N. Y., assignor to Western Electric Company, Incorporated, New York, N. Y., a Corporation of New York. Filed Sept. 15, 1921. Serial No. 500,786. 2 Claims. (Cl. 123—148.)



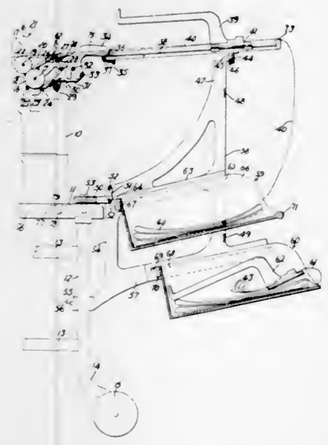
2. In a prime mover dynamo plant in combination, a single cylinder internal combustion engine, a generator driven by the engine, supply leads from the generator, an induction coil primary and an interrupter connected across the leads of the generator, a secondary in inductive relation to the primary, a spark plug, and a hot cathode asymmetric conductor in circuit with the secondary to prevent current passing therethrough upon the closure of the interrupter contacts.

1,464,121. SPARK PLUG. WILLIAM S. THOMAS, Linden, N. J., assignor to Thomas Spark Plug Company, Roselle Park, N. J. Filed Nov. 29, 1920. Serial No. 426,933. 2 Claims. (Cl. 123—169.)



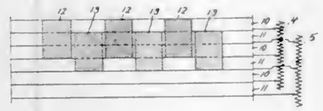
1. The herein described means for retaining insulated electrodes in the body of spark plugs consisting of a body portion having a bore terminating in a transversely extending seat; a metallic jacket adapted to rest upon the seat, the body portion and the jacket having opposed converging surfaces; an electrode insulator carried by the jacket; a gasket of curved cross section engaging the converging surfaces, and means for exerting pressure upon the gasket to seal the joint between the body portion and jacket and hold the jacket in position.

1,464,122. TYPEWRITING MACHINE. JOHN WALDHEIM, Elizabeth, N. J., assignor to Underwood Typewriter Company, New York, N. Y., a Corporation of Delaware. Filed May 24, 1922. Serial No. 563,205. 22 Claims. (Cl. 197—126.)



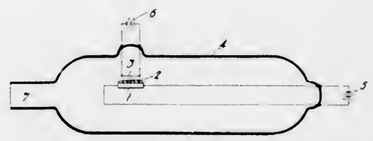
1. The combination with a typewriting machine, of a holder for a web-work-piece, means for guiding the web from the holder to the platen, a carbon-sheet-holder, a table on which the carbon-holder may move with the carbon-sheets along the web, brackets for supporting the carbon-holder-table, and means on the brackets for supporting the web-holder.

1,464,123. DYNAMO-ELECTRIC MACHINE. FRANK PERCY WHITAKER, Rugby, England, assignor to General Electric Company, a Corporation of New York. Filed Nov. 1, 1920. Serial No. 420,924. 4 Claims. (Cl. 171—228.)



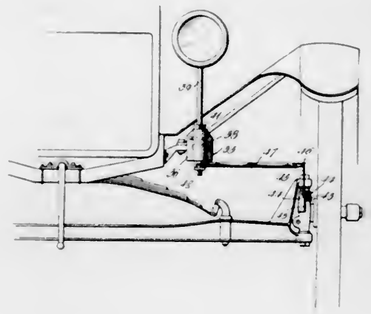
1. A dynamo electric machine having a commutator, brushes and a plurality of windings connected to successive commutator segments, there being a number of brushes of each polarity corresponding to the number of windings, said brushes being independently movable to conform to the commutator and so spaced from one another that they will bear at their forward edges upon commutator segments which are connected to different windings.

1,464,124. THERMIONICALLY-ACTIVE SUBSTANCE AND METHOD OF MAKING THE SAME. WILLIAM WILSON, East Orange, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y., a Corporation of New York. Filed July 26, 1917. Serial No. 182,965. 1 Claim. (Cl. 250—27.)



The method of making a thermionic cathode which comprises highly heating a metallic filament in vacuum, sputtering on said filament a coating of alkaline earth oxide in vacuum, and baking the coated filament in vacuum.

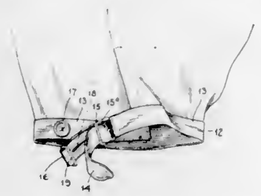
1,464,125. DIRIGIBLE HEADLIGHT FOR VEHICLES. SAMUEL R. ANDERSON, Hardin, Ill. Filed Jan. 23, 1922. Serial No. 531,219. 2 Claims. (Cl. 240—62.)



1. A dirigible headlight for vehicles comprising an attaching bracket for a fender brace rod including a pair of clamping plates adapted to be connected with said rod, one of said plates being formed with a vertically disposed channel-shaped portion forming a bearing for the stem of the headlight, a stop collar adapted to be connected to the stem and to rest on the upper end of said bearing, a cross-piece adapted for connection to the lower end of the stem, and a second bracket adapted for connection with the steering knuckle, said last named bracket being composed of a pair of detachably connected clamping plates formed intermediate their ends with oppositely disposed channel-shaped portions shaped to conform to the steering knuckle, a pair of vertically disposed arms connected with one of said plates, the arms being formed at their upper ends with hooks, and a pair of coiled springs connected at one end with the aforesaid cross piece and having detachable connection at their opposite ends with said hooks so as to provide a yieldable connection between the two brackets.

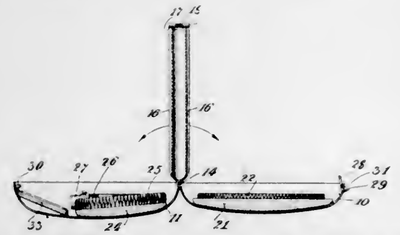
1,464,126. GARMENT-SECURING STRAP. HAROLD MAX BRUMMER, New York, N. Y. Filed Aug. 17, 1922. Serial No. 582,389. 6 Claims. (Cl. 2—122.)

6. In a trouser leg, a knee strap comprising a band attached to the trouser leg bottom and provided with a free end flap, a separate buckle carrying tab detachably attachable to said band, and a buckle carried by the tab constructed for receiving the said end flap with the latter arranged to overlie the said tab, and means independent of the buckle carried by said tab complemental fastening



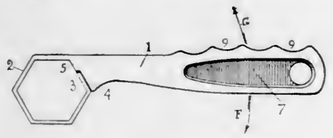
means on said band and tab for permitting quick attachability and detachability of the tab for retaining the flap in position over the tab.

1,464,127. CONTAINER. IDA W. CHERNOFF, San Francisco, Calif. Filed Dec. 13, 1922. Serial No. 606,743. 10 Claims. (Cl. 132—83.)



1. In a container, in combination, two casings, a plurality of toilet articles carried by the inner faces of the casings and an inter-member between the casings having spaced sides forming a container capable of having articles inserted therein.

1,464,128. NUT WRENCH. LORING COES, Worcester, Mass., assignor of one-half to Coes Wrench Company, Worcester, Mass., a Corporation of Massachusetts. Filed Feb. 24, 1922. Serial No. 538,969. 3 Claims. (Cl. 81—64.)

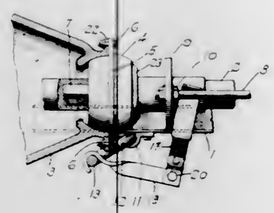


1. A nut wrench consisting of a handle-bar with an offset end face abutment, and provided with an elongated member projecting therefrom and shaped to fit an angular nut of a given size, one end of said member permanently attached to the handle-bar, its other end unattachedly terminating adjacent to the offset end of said bar, its end portion being disposed to normally seat against said abument face, substantially as set forth.

1,464,129. ASSEMBLING TOOL. THOMAS F. CULLEN, Dayton, Ohio. Filed Jan. 23, 1919. Serial No. 272,771. 3 Claims. (Cl. 29—89.) (Filed under the act of Mar. 3, 1883, 22 Stat. L., 625.)

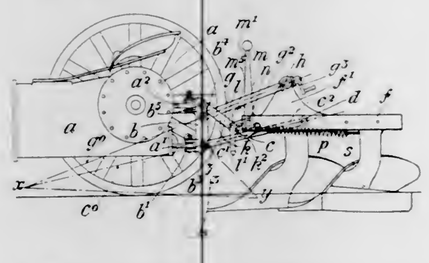
1. An assembling tool, embodying means to engage the radius rods of a rear assembly at their points of connection with the universal coupling, such means including a bifurcated member, the furcations adapted to

pass between the sleeve of the universal coupling and the extremities of the radius rods, the free ends of the furcations being outwardly curved to engage said radius



rods and means to connect said bifurcated member to the control shaft to effect alinement of the parts upon actuation of said shaft.

1,464,130. MEANS FOR COUPLING AGRICULTURAL IMPLEMENTS. HARRY FERGUSON, Belfast, Ireland. Filed Dec. 15, 1920. Serial No. 431,039. 24 Claims. (Cl. 97—98.)



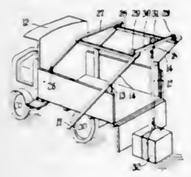
1. Means for attaching an implement to a tractor, comprising upper and lower members movably connected to the tractor and to the implement so as to permit free relative movement between the tractor and implement when in operation, said members being arranged so as to cause the effective line of draft to be from a position other than that of the actual connection between the tractor and the implement.

8. Means for attaching an implement to a tractor comprising an upper pressure resisting member and a lower draft member both freely connected at different points to the tractor and to the implement to permit, during operation, up and down movement of the implement, the points of connection to the implement being above one another and being further apart than the points of connection to the tractor.

16. The combination with an agricultural implement, of an upper pressure resisting member freely connected to the implement, a lower draft member freely connected to the implement, a head to which the members are both freely connected, and means whereby the said head can be attached to a tractor, so that when the head is attached to the tractor the implement will have freedom of up and down movement, when in operation, relative to the head.

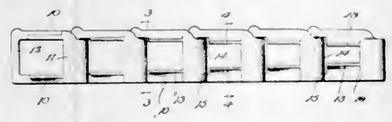
24. A coupling for use between a tractor and an implement, comprising an upper and a lower element adapted to be movably secured to the tractor and to said implement, the upper element being pressure resisting, the implement connection of the lower element being located in a higher plane than its tractor connection, said coupling permitting the implement to move freely up and down, and the parts thereof being so arranged that the effective line of draft is below said coupling.

1,464,131. CRANE FOR VEHICLES, TRUCKS, AND THE LIKE. ALBERT EDWARD GOODGER, London, England. Filed Sept. 26, 1922. Serial No. 590,659. 1 Claim. (Cl. 214—65.)



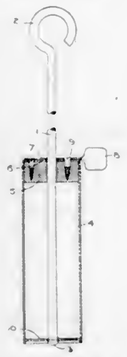
In combination with a vehicle body, a plurality of inverted U-shaped cranes arranged transversely there across and in spaced relation, said cranes being pivotally mounted on the body for swinging movement forwardly and rearwardly, one side of one of the cranes being provided with an extension which projects downwardly below the pivot and forms a handle lever whereby said crane may be manually operated, and links connecting said cranes together for simultaneous movement and hoisting means including a member having wheels arranged to operate on said links.

1,464,132. SOCKET WRENCH. FRED L. HAGGARDT, Twin Falls, Idaho. Filed Apr. 1, 1922. Serial No. 548,742. 3 Claims. (Cl. 81—121.)



1. A socket wrench including a plurality of links comprising side and end members, the side members being formed with upstanding flanges to provide jaws and corresponding end members of the links being formed with hooks engaging opposite end members of the links pivotally connecting the links to form a chain, the back portions of said hooks being widened to provide stop lugs to coact with one of the side members of each of the links for limiting the links in alinement.

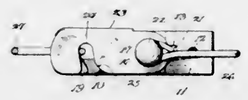
1,464,133. FLYCATCHER. ALBERT SAMUEL HAWKES, Rotorua, New Zealand. Filed Nov. 15, 1921. Serial No. 515,367. 1 Claim. (Cl. 43—117.)



A fly catching device comprising a rod provided at one end with a stop and at its other end with a hook adapted to be used in suspending the rod, the lower surface of said rod merging into said stop to form a

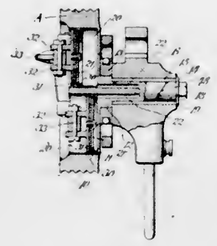
plug, an open topped container mounted on said rod and having its bottom provided with an aperture through which the rod extends, said plug being adapted to close the aperture when the container is supported by said stop, a removable plug for closing the open end of said receptacle, a plate fixed to the removable plug, an irremovable cleaning plate arranged above the first mentioned plate and having an aperture through which the rod extends, a handle for the cleaning plate extending beyond the periphery of the latter, and a removable pivot pin securing said cleaning plate to the removable plug to permit diametrically opposite edges of said cleaning plate to be swung towards or away from said rod.

1,464,134. CHAIN FASTENER. HEBER HOY, Parkersburg, W. Va. Filed Aug. 2, 1922. Serial No. 579,214. 4 Claims. (Cl. 24—242.)



4. A device of the character described including a body member provided with a notch, a latch member slidably and pivotally connected with the body member and provided with a lug projecting from the rear end of the latch, and means slidably and pivotally connecting the latch with the body member, the latch being shiftable to engage said lug in said notch locking the latch independent of said means against pivotal movement.

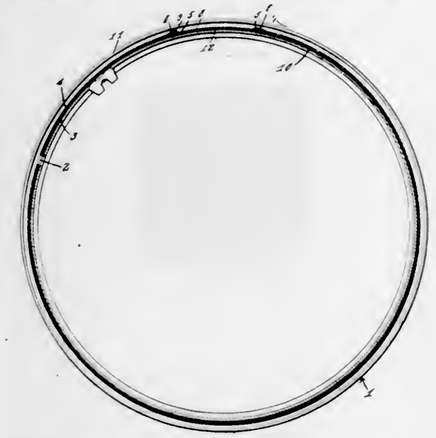
1,464,135. PUMP. HOWARD B. JONES, Chicago, Ill., assignor to Rotary Manufacturing Co., Chicago, Ill., a Corporation of Illinois. Filed Feb. 27, 1922. Serial No. 539,374. 6 Claims. (Cl. 103—162.)



1. In a pump, the combination of rotor and stator elements in the former of which are a pair of cylinders, a piston in each cylinder, and means for reciprocating the two pistons comprising two rock shafts one connected with each piston, a single reciprocating member connected to both rock shafts, and an eccentric carried fast by the stator and adapted to reciprocate the member, substantially as described.

1,464,136. RIM BAND. JOHN L. KEGLEY, Sioux City, Iowa. Filed Feb. 27, 1922. Serial No. 539,525. 2 Claims. (Cl. 152—20.)

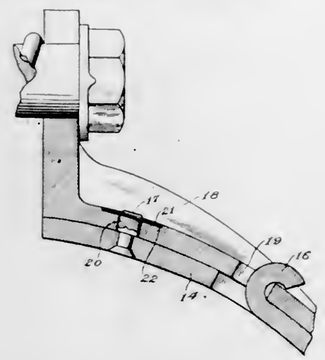
2. A rim band comprising inelastic inner and outer layers, the outer layer being provided with tongues, and the inner layer being provided with extensions prolonged toward each other beyond the tongues, and an elastic strip having its ends located between the tongues and the extensions and secured to the tongues, the extensions constituting means for protecting the strip from contact with a rim.



1,464,137. PROCESS OF TREATING SULPHUR CHLORIDE. JOSEPH V. MEIGS, Montclair, N. J., assignor to New Jersey Testing Laboratories, a Corporation of New Jersey. Filed Jan. 31, 1919. Serial No. 274,307. 11 Claims. (Cl. 23—10.)

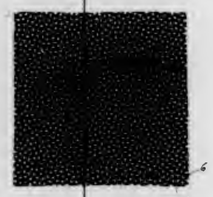
2. The process of treating the crude chlorides of sulphur with a material capable of removing organic impurities and foreign metallic substances by agitating the crude chloride of sulphur with an absorbent which will act as a decolorizer.

1,464,138. TRANSMISSION BAND AND CASE COVER. HARRY E. MIEBACH and ARNOTT S. CAUGHEY, Lethbridge, Alberta, Canada. Filed Oct. 1, 1920. Serial No. 414,100. 2 Claims. (Cl. 188—249.)



1. A transmission band including a metallic strap having a transverse angular hook struck up therefrom adjacent one end, an ear iron having an angular opening therethrough receiving said hook, a post projecting from the strap between the hook and the end of the strap and extending through the ear iron, locking means detachably engaging the post and securing the ear iron in position, and a coacting ear iron fixedly mounted upon the opposite end portion of the strap.

1,464,139. PHOTOGRAPHIC SCREEN. MAX RUHLAND, Munich, Germany, assignor to Ludwig Böhm, Munich, Germany. Filed Mar. 22, 1913, Serial No. 756,222. Renewed June 26, 1923. 12 Claims. (Cl. 95—81.) (Granted under the provisions of the act of Mar. 3, 1921, 41 Stat. L., 1313.)



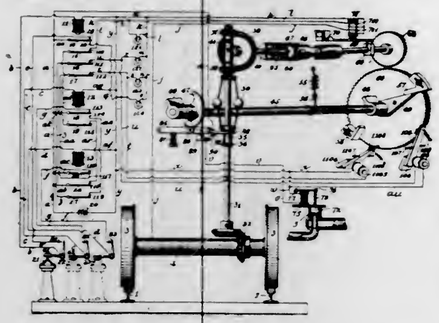
1. A halftone screen comprising a plurality of polygons, all irregular, and each having approximately the same superficial area, and all being irregularly placed on the surface of a plate in such a manner that the boundaries between the polygons have the same width.

1,464,140. PROCESS OF PRODUCING INTAGLIO-PRINTING FORMS. ERNST SAUER, Schloss Kaibitz, near Kemnath, Germany. Filed Feb. 3, 1921, Serial No. 442,284. Renewed June 22, 1923. 3 Claims. (Cl. 95—5.6.) (Granted under the provisions of the act of Mar. 3, 1921, 41 Stat. L., 1313.)



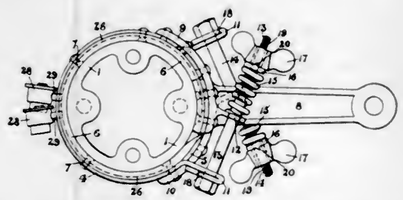
1. The process of producing intaglio-printing forms, which consists in coating a transparent carrier with a layer of bichromated gelatine, applying an intaglio screen-plate to the face of said layer, exposing to the light through said screen, applying a dia-positive of the picture to the uncovered side of said carrier and exposing to the light through said dia-positive and developing by means of warm water.

1,464,141. AUTOMATIC SPEED CONTROL FOR RAILWAYS. PAUL JOHN SUMMEN, Buffalo, N. Y. Filed July 30, 1915. Serial No. 42,765. 30 Claims. (Cl. 246—56.)



1. A safety apparatus for the automatic control of the speed of a vehicle moving along a trackway, comprising a highway control including two series of signal rails, one a series adapted to be employed in the indication of a permissible speed for the vehicle corresponding to temporary hazards existing along the trackway, and the other a series adapted to be employed in the indication of a permissible speed for the vehicle corresponding to permanent hazards existing along the highway.

1,464,142. SHOCK ABSORBER AND REBOUND DAMPER FOR MOTOR ROAD VEHICLES. FRANK SMITH, Elland, England. Filed Mar. 13, 1922. Serial No. 543,275. 11 Claims. (Cl. 188—130.)



1. A shock absorber comprising a drum, a pair of brake bands encircling said drum, a lever connected to said bands provided with means whereby the drum is independently engaged by each of said bands depending upon the direction of movement of said lever.

1,464,143. PREPARATION FOR TREATING ARTICLES OF RUBBER. JEREMIAH B. G. TABER, New Haven, Conn. Filed Nov. 7, 1921. Serial No. 513,330. 1 Claim. (Cl. 134—17.)

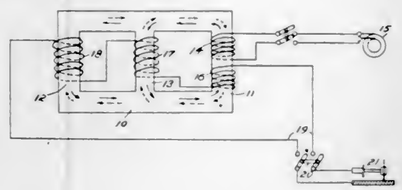
A preparation for treating rubber articles, which comprises petroleum jelly, lamp black, cod liver oil, rubber gum and benzene in the proportions substantially as specified.

1,464,144. METHOD FOR PRODUCING IMITATIONS OF VALUABLE WOODS AND INLAID WORK ON WOOD BY THE AID OF TRANSFER WORK. RICHARD WILHELM TERLINDEN, Jyvaskyla, Finland, assignor to Wilh. Schaumans Tarso Aktiebolag, Jyvaskyla, Finland. Filed Jan. 19, 1923. Serial No. 613,771. 3 Claims. (Cl. 41—33.)



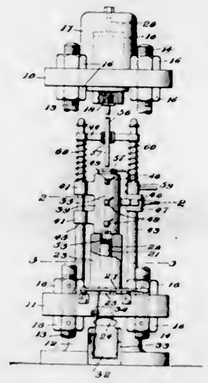
1. A method for producing imitations of valuable woods and inlaid work on wood, by means of lodily picture transfer work, comprising, roughening the wood surface, and transferring the picture directly onto the roughened wood surface, under application of pressure and heat.

1,464,145. ELECTRIC WELDING APPARATUS. CHARLES B. WATERS, Montclair, N. J. Original application filed July 2, 1918, Serial No. 243,002. Divided and this application filed July 5, 1923. Serial No. 649,613. 5 Claims. (Cl. 219—13.)



1. Apparatus for metallic arc welding including a transformer having a core comprising a main magnetizable circuit and a magnetizable shunt; a primary winding on said main circuit; a secondary winding on said main circuit; and a booster winding on said shunt circuit; said booster winding adding the voltage induced therein to the open circuit voltage of said secondary winding.

1,464,146. METAL-PIERCING APPARATUS. LOUIS HIPPOLYTE EDMOND BÉGOT, Paris, France. Filed Sept. 20, 1921. Serial No. 501,975. 15 Claims. (Cl. 78—9.)



1. Apparatus for forming holes through metal articles, comprising a holder for the work; a pusher pin disposed above and in line with the axis of the work; operating means for said pin; and a piercing pin disposed in line with the pusher pin between the same and the work and adapted to be forced completely through the work by the pressure exerted upon it by the pusher pin.

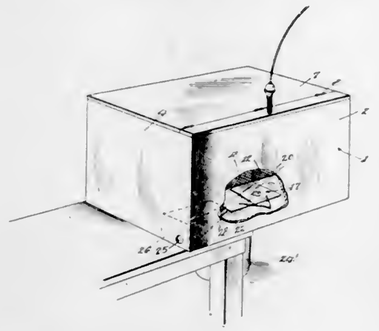
1,464,147. BELT BUCKLE. AUGUST L. BLOOM, Margie, Minn. Filed Feb. 7, 1922. Serial No. 534,784. 1 Claim. (Cl. 24—191.)



In a device of the class described comprising a channel-shaped front plate, a gripping element formed of a single sheet of metal pivoted at one end between the side walls of the channel-shaped plate, the opposite end of said sheet being bent around to extend parallel with main portion of gripping element, ears formed on the side of the bent portion of the gripping element and adapted to overlie the top of the main portion of said gripping element, a clamp pivotally carried by the ears of the gripping element and positioned between the body of same and the bent portion, said clamp adapted to engage one end of a belt for securely holding same therein and a friction clamp pivoted in the opposite end of the side walls of said front plate for holding the free end of a belt.

1,464,148. APPARATUS FOR DESTROYING RODENTS. HENRY E. CALLAHAN, Kearney, Nebr. Filed Sept. 24, 1921. Serial No. 502,856. 3 Claims. (Cl. 43—99.)

1. In an apparatus of the class described, a compartment, an electrical contact device within the bottom of the compartment, the compartment having an unobstructed entrance opening in one end wall, a closed runway leading within the compartment from the said opening to a point immediately adjacent the contact device, and a hood of foraminous material within the compartment extending

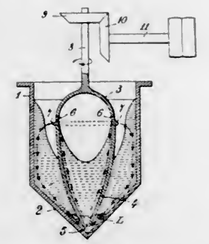


longitudinally thereof and enclosing the said runway and the contact device, the hood having a passageway opposite the contact device.

1,464,149. PROCESS FOR THE PRODUCTION OF GLOSSY-METAL COATINGS ON METALS. ALEXANDER CLASSEN, Aachen, Germany. Filed Nov. 8, 1921. Serial No. 513,658. 5 Claims. (Cl. 204—1.)

1. A process for the production of glossy metal coatings on metals galvanically consisting in adding to the electrolytic bath colloids and substances easily reducible in the presence of said colloids so as to prevent the generation of hydrogen at the cathodes and conducting the galvanizing with this bath in the usual manner.

1,464,150. STIRRING APPARATUS. FRÉDÉRIC DE DIETRICH, Paris, France, assignor to De Dietrich & Cie., Niederbronn-les-Bains, Bas-Rhin, France, a Corporation of France. Filed July 6, 1921. Serial No. 482,690. 8 Claims. (Cl. 259—96.)

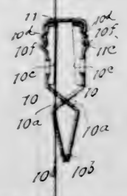


1. The method of stirring two liquids of different specific gravities, which consists in confining the liquids in a suitable container, producing a vortex in the upper part of the liquid and simultaneously withdrawing heavier liquid from the bottom of the container and projecting it horizontally from points within the hollow of the vortex at acute angles to the sides thereof, whereby the heavier liquid is caused to travel downward through the lighter liquid in spiral paths.

1,464,151. CLIP. GEORGE B. DUSINBERRE, Wellsboro, Pa. Continuation of application Serial No. 407,425, filed Dec. 17, 1917. This application filed Sept. 16, 1918. Serial No. 254,243. 6 Claims. (Cl. 24—259.)

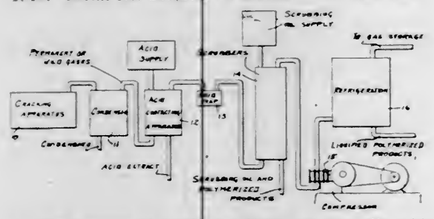
5. A spring clip composed of jaw members with crossed portions having jaws at their forward ends, and a third

tensioning member at the rear end of the clip, the jaw members having slots in which portions of the third



named member extend and are automatically interlocked when the parts are assembled.

1,464,152. PROCESS OF UTILIZING GASEOUS UNSATURATED HYDROCARBONS. CARLETON ELLIS, Montclair, N. J., assignor, by mesne assignments, to Seth B. Hunt, trustee, Mount Kisco, N. Y. Filed June 5, 1918. Serial No. 238,274. 6 Claims. (Cl. 196—26.)

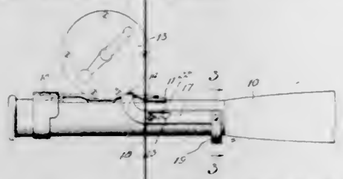


1. The process of producing light, volatile oils which comprises contacting gaseous or vaporous hydrocarbon material containing unsaturated hydrocarbons with large quantities of finely divided sulphuric acid whereby polymerization is effected to produce light, volatile oils.

1,464,153. PROCESS OF MAKING USEFUL PRODUCTS FROM BY-PRODUCT STILL GASES AND GASES FROM CRACKING OPERATIONS. CARLETON ELLIS, Montclair, N. J., assignor, by mesne assignments, to Seth B. Hunt, trustee, Mount Kisco, N. Y. Filed Apr. 14, 1919. Serial No. 289,961. 12 Claims. (Cl. 260—98.)

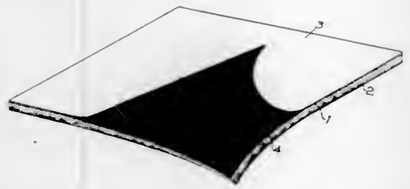
1. The process of utilizing hydrocarbon gases containing olefines for the preparation of useful products from substantially the entire olefine content thereof in which such gases are treated, while cooling, with sulfuric acid, the effective strength of which is progressively reduced during reaction to such extent that sulfuric acid of about 1.8 specific gravity is reduced in strength until reactive acid liquor of specific gravity of not over 1.4 is obtained, and treating the residual gases with sulfuric acid of higher strength than that of aqueous sulfuric acid of 1.8 specific gravity at a temperature above 60° C., continuing the reaction until ethyl sulfuric acid of specific gravity of not over 1.4 is obtained.

1,464,154. REEL SEAT. JOSEPH C. HOOPER, Wrightsville Beach, N. C. Filed Oct. 2, 1922. Serial No. 591,923. 3 Claims. (Cl. 43—22.)



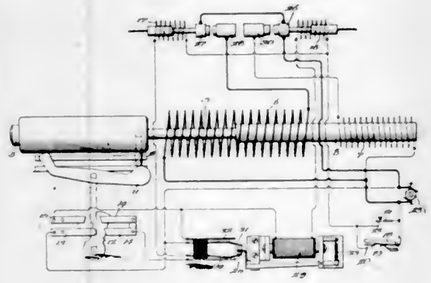
1. The combination with a fishing pole having a reel seat, and a reel including a base adapted to repose upon the seat, of a yoke-like member pivoted upon the pole and having an end portion designed to straddle a portion of the base to hold the reel on its seat, and cooperating means on the pole and the adjacent end of the yoke for holding the latter fixed relatively to the pole when in use.

1,464,155. COMPOSITE FABRIC. PATRICK TRACY JACKSON, Cambridge, Mass., assignor to Paper Products Machine Company, Boston, Mass., a Corporation of Massachusetts. Filed Oct. 6, 1921. Serial No. 505,881. 6 Claims. (Cl. 154—52.)



1. As an article of manufacture, a composite reinforced and stiffened paper fabric, comprising layers of paper material adhesively secured together face-to-face, one of said layers of paper material being relatively more absorbent than the others and impregnated with a stiffening compound and reinforcing filaments imbedded in the adhesive between two of the paper layers.

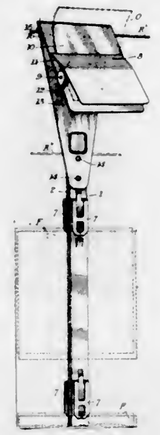
1,464,156. SOUND-PRODUCING MECHANISM. FREDERICK B. LITTLE, Chicago, Ill., assignor to J. C. Deagan, Inc., Chicago, Ill., a Corporation of Illinois. Filed Apr. 2, 1920. Serial No. 370,835. 6 Claims. (Cl. 177—7.)



1. Sound producing mechanism including a vibrant element, a projectile and retractable hammer mounted to strike said element when projected, a control switch operable independently of electro-magnetic force, normally inactive electro-magnetic mechanism for initiating projection of the hammer, said electro-magnetic mechanism being rendered active by the closing of said control switch, normally inactive electro-magnetic mechanism for retracting and holding said hammer retracted, means operated by the final movement of projection of the hammer to render said first named electro-magnetic mechanism inactive and said second named electro-magnetic mechanism active, and means for maintaining the activity of said second named electro-magnetic mechanism until the control switch is opened.

1,464,157. ORDER HOLDER FOR FILM HANGERS. ANDREW E. NELSON, Mason City, Iowa. Filed May 18, 1922. Serial No. 562,012. 6 Claims. (Cl. 95—100.)

1. In an order holder for film hangers, the combination of an order-engaging member, of a support having one end for carrying the order-engaging member, and the other end adapted to be fastened to a film hanger, and a

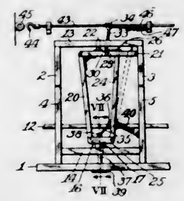


bend in the support whereby the order-engaging member is held at an angle to that part of the support which is adapted to be fastened to the film hanger.

1,464,158. PROCESS OF MAKING CELLULOSE ETHERS. PAUL C. SEEL, Rochester, N. Y., assignor to Eastman Kodak Company, Rochester, N. Y., a Corporation of New York. Filed Apr. 5, 1921. Serial No. 458,745. 3 Claims. (Cl. 260—10.)

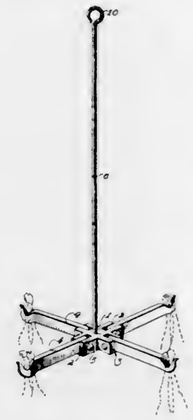
3. The process of making ethers of cellulose, which comprises the steps of substantially separately adding into a reaction space only the amounts of cellulose, solid alkali, water and etherifying agent for the reaction, the water not exceeding the alkali by more than approximately 25%, and agitating and heating the resulting reaction mass.

1,464,159. AUTOMATIC COW-HOLDING STANCHION. JAMES F. TROTH, Washington Township, Owen County, Ind. Filed Jan. 15, 1923. Serial No. 612,596. 6 Claims. (Cl. 119—148.)



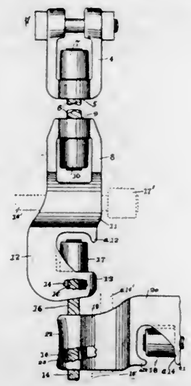
4. Automatic cow-holding stanchions including a frame, a pair of stanchions pivotally connected one with the other at their lower ends, an automatic latch to connect the upper portions of the stanchions together, pivotal devices supporting and guiding the pair of stanchions in the frame for slight rotative movement on a vertical axis, a spring connected to the frame and operating on one of the stanchions to swing it away from the other when released from the latch and operating also to yieldingly restrain rotative movement of the pair of stanchions, and a treadle and connections to swing the released stanchions back to the latch.

1,464,160. MEAT HOOK. AUGUST WILLIAM WEYEL, Baltimore, Md.; Eleanora M. Weyel administratrix of said August W. Weyel, deceased. Filed July 14, 1922. Serial No. 575,065. 1 Claim. (Cl. 248—24.)



A meat hook comprising a cast base with a threaded opening and having a plurality of radiating supports consisting of parallel sides and integral closed bottoms, a rod by which the heat hook is suspended having a threaded end screwed into and through the opening, a nut screwed on the end of the threaded rod to hold the parts together but enabling future disassembly, a single hook arm mounted at one end between each of the parallel sides and having a hook at the other end, and rivets pivoting the arms on the sides of said supports at distances in from the ends of the supports greater than one-half the width of the arms to cause adequate portions of the lower edges to rest upon said bottoms, and far enough from the suspending rod to cause the arms to slightly incline when folded up, to thereby maintain the folded up position.

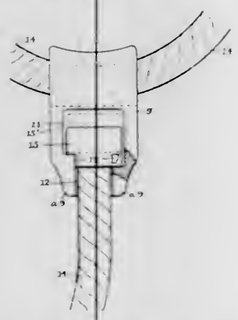
1,464,161. LOGGING CHOKER RIGGING. OSCAR A. WIRKKALA, Rome, Wash. Filed Feb. 23, 1922. Serial No. 538,507. 3 Claims. (Cl. 23—123.)



1. In a logging choker rigging in combination, a swivel clevis; a pitch-line hook having a swivel eye and a slotted hook, said hook slot enlarged in the back of said hook to permit the passage of the thimbled end of a choker cable and the remainder of said slot wide enough to per-

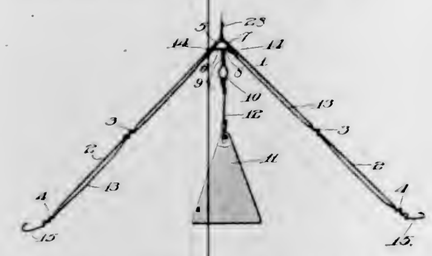
mit the passage of said cable only; a slotted choker hook having a cable eye, said hook slot enlarged in the back of said hook to permit the passage of the thimbled end of a choker cable and the remainder of said slot of width to permit the passage of said cable only; a pitch-line cable one end of which is engaged with said clevis swivel by a thimble fixed to said cable end, and the other end of which is engaged with said pitch-line hook swivel by a thimble fixed to said cable end; and a choker cable reeved through said choker hook eye, having a thimble fixed to each end, one end of which is adapted to pass through said pitch-line hook slot enlargement and engage with and disengage from said pitch-line hook, and the other end of which is adapted to pass through said choker hook slot enlargement and engage with and disengage from said choker hook.

1,464,162. CHOKER HOOK. OSCAR A. WIRKKALA, Kent, Wash. Filed July 27, 1922. Serial No. 577,986. 2 Claims. (Cl. 24—122.)



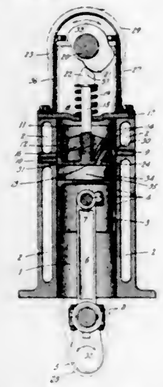
1. In a choker hook in combination, a hooked body having a cable reeveway through its upper end and a chamber in its middle part, two jaws at the lower end of said body with a slot between entering the bottom of said chamber, and a boss projecting upward from each of said jaws adapted to form a socket of the bottom of said chamber, whereby a cable having a knob on one end is reeveable in said reeveway and enterable in said slot and said knob is enterable through said chamber into the socket thereof behind said bosses to bear on said jaws.

1,464,163. SPREADER FOR FISHING LINES. DAVID ABERNETHY, Philadelphia, Pa. Filed Feb. 11, 1922. Serial No. 535,785. 3 Claims. (Cl. 43—28.)



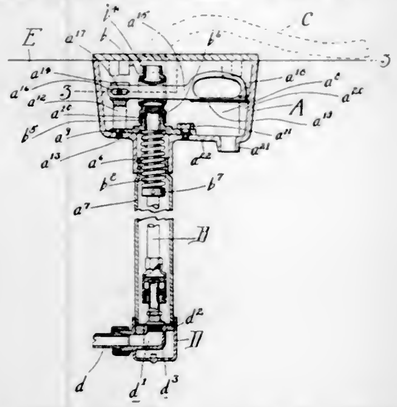
1. A spreader for fishing lines, comprising a single strip of material shaped to angle formation, the legs of the angle having coils to receive the snells of the hooks, the strip at the apex of the angle being bent to triangular formation to receive the snell loops and forming line attaching means, and the integral strip extending downwardly from the triangular formation between the legs to form dipsey attaching means below the point of attachment of the fishing line.

1,464,164. INTERNAL-COMBUSTION ENGINE. FRANK C. ALARIE, Troy, N. Y. Filed July 19, 1922. Serial No. 576,167. 20 Claims. (Cl. 123—78.)



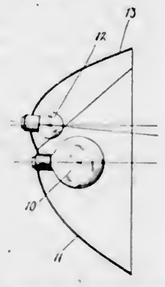
9. In an internal combustion motor, a cylinder provided with inlet and exhaust ports; a power piston and an interruptedly reciprocating port-operating piston fitted within the cylinder and forming a combustion chamber therebetween; the exhaust port opening into the combustion chamber between said pistons, and the inlet port opening into a continuous passage in said port-operating piston communicating with the combustion chamber, said passage being tapered in the direction of the flow of the fuel; and a revolving cam in positive cooperation with the port-operating piston for controlling the opening and closing of the ports.

1,464,165. RAILWAY WATER-SERVICE DEVICE. THOMAS E. PART, Cincinnati, Ohio, assignor to The Murdock Manufacturing and Supply Company, Cincinnati, Ohio, a Corporation of Ohio. Filed May 3, 1921. Serial No. 466,607. 17 Claims. (Cl. 137—13.)



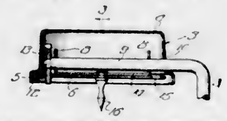
1. A water service device comprising the combination of a box, the top of which is adapted to be mounted flush with the surface of adjoining ground, a casing extending downwardly from the box, a supply pipe mounted reciprocally in the casing and extending into the box, a lever within the box engaging the supply pipe and adapted to move the supply pipe in the direction of its length, a supply nozzle contained within the casing communicating with a water supply adapted to direct a flow of water to the supply pipe, a valve mounted on the supply pipe adapted to seal the supply nozzle, and means yieldably retaining the valve in engagement upon the supply nozzle.

1,464,166. AUTOMOBILE LAMP. REUBEN B. BENJAMIN, Chicago, Ill., assignor to Benjamin Electric Manufacturing Company, Chicago, Ill., a Corporation of Illinois. Filed Oct. 27, 1920. Serial No. 419,966. 3 Claims. (Cl. 240—41.)



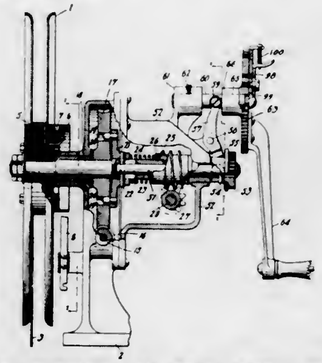
1. A lighting device for automobiles comprising two adjoining concave substantially parabolic reflector portions, two lamps, located substantially at the foci of said reflector portions respectively, the lamps being positioned so that the rays from one lamp will be incident to both reflector portions, the axis of one of said reflector portions being inclined downwardly and forwardly, and the focus of the upper portion being above and rearwardly of the focus of the lower reflector portion.

1,464,167. CAN OPENER. OLOF F. BERGMAN, Gary, Ind., assignor, by mesne assignments, to John E. McKenna, Antigo, Wis. Filed Aug. 26, 1918. Serial No. 251,377. 6 Claims. (Cl. 30—3.)



1. A can opener comprising a stationary supporting member, a crank supported thereby, a pinion having a cutting knife thereon also supported by said supporting member, a pinion mounted on said crank and arranged to mesh with said first pinion, and a housing associated with said parts.

1,464,168. ANTENNA SYSTEM. WILLIAM T. BOOTH, East Orange, N. J., and WALTER A. BOYD, Brooklyn, N. Y., assignors to Western Electric Company, Incorporated, New York, N. Y., a Corporation of New York. Filed July 9, 1917. Serial No. 179,472. 24 Claims. (Cl. 250—1.)



24. In combination, an aerial vessel, mechanism mounted thereon including rotatable antenna retaining means, antenna extending means operable to cause the extension of said antenna from said retaining means and comprising an organization of mechanism for limiting the speed of delivery of said antenna to a predetermined maximum velocity.

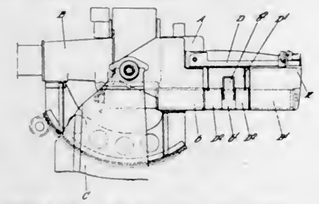
1,464,169. CELLULOSE-ETHER SOLVENT AND COMPOSITION. STEWART J. CARROLL, Rochester, N. Y., assignor to Eastman Kodak Company, Rochester, N. Y., a Corporation of New York. Filed Apr. 5, 1921, Serial No. 458,739. Renewed Feb. 2, 1923. 5 Claims. (Cl. 134—79.)

4. A viscous flowable film-forming composition, comprising an alkyl ether of cellulose dissolved in a compound solvent containing approximately 95 to 5 parts by weight of chloroform and 5 to 95 parts of an acetic ester of a lower monohydroxy aliphatic alcohol.

1,464,170. CELLULOSE-ETHER SOLVENT AND COMPOSITION. STEWART J. CARROLL, Rochester, N. Y., assignor to Eastman Kodak Company, Rochester, N. Y., a Corporation of New York. Filed Apr. 5, 1921, Serial No. 458,741. Renewed Feb. 2, 1923. 6 Claims. (Cl. 134—79.)

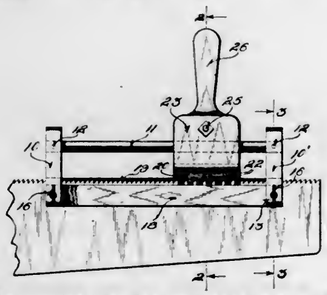
5. A viscous flowable film-forming composition, comprising an alkyl ether of cellulose dissolved in a compound solvent containing from 40 to 50 parts by weight of ethylene chloride and 60 to 50 parts by weight of an acetic ester of a lower monohydroxy aliphatic alcohol.

1,464,171. HIGH-ANGLE ORDNANCE. ARTHUR TREVOR DAWSON and GEORGE THOMAS BUCKHAM, Westminster, London, England, assignors to Vickers Limited, London, England. Filed May 21, 1923. Serial No. 640,569. 7 Claims. (Cl. 89—37.)



1. In high angle ordnance, the combination of a member of the run-out apparatus extending considerably to the rear of the breech end of the gun and a rocking loading tray mounted to pivot directly on said extending member.

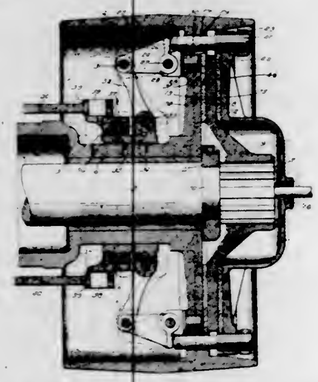
1,464,172. SAW SET AND CLAMP. IRA FAUNCE, Racine, Wis. Filed Oct. 12, 1922. Serial No. 594,032. 3 Claims. (Cl. 76—68.)



1. The combinatinn of a set having spaced fingers, a pair of plates having recesses therein for the reception of said set, said plates having grooves therein, means

for securing said plates together, a guide rod in said grooves, said plates being slidable on said guide rod, a handle on one of said plates, and means for securing said guide rod to a saw.

1,464,173. FRICTION CLUTCH. THOMAS L. FAWICK, Racine, Wis., assignor to Twin Disc Clutch Company, Racine, Wis., a Corporation of Wisconsin. Filed July 14, 1921. Serial No. 484,659. 2 Claims. (Cl. 192—68.)

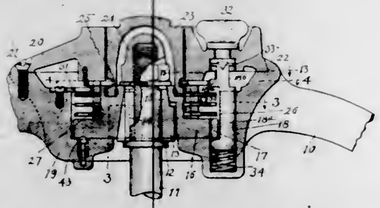


1. In a friction clutch a friction disk, clamping members axially movable with respect to each other engaging said disk on opposite sides thereof, spring means for holding the parts in engaged position, levers for moving the clamping members apart in opposition to said springs, an axially movable element and links engaging said element and the levers the construction and arrangement being such that the links are movable past a dead center position whereby the clutch is yieldingly held at will either in open or closed position.

1,464,174. AIR-HARDENING STEEL ALLOY. WILLIAM F. FINKL, Chicago, Ill., assignor to A. Finkl & Sons Company, Chicago, Ill., a Corporation of Illinois. Continuation of application Serial No. 467,201, filed May 5, 1921. This application filed Feb. 11, 1922. Serial No. 533,689. 8 Claims. (Cl. 75—1.)

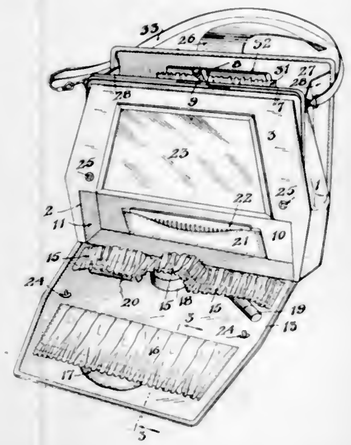
1. A steel alloy containing carbon ranging from .50% to .85%; chromium from .40% to .95%; molybdenum from .30% to .80%, and nickel from .50% to 2.00%.

1,464,175. STEERING-WHEEL LOCK FOR MOTOR VEHICLES. WILLIAM G. FORDING, Cleveland, Ohio. Filed June 9, 1921. Serial No. 476,143. Renewed Jan. 10, 1923. 10 Claims. (Cl. 70—53.)



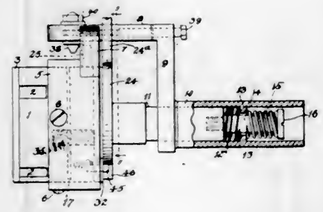
1. In combination with a steering post and steering wheel of a vehicle, a combination lock adapted to release the wheel from the post and to lock the same to the post after the wheel has been given a series of predetermined movements, said lock comprising a series of combination disks surrounding the post adapted to be successively positioned by said predetermined movements of the wheel, and two locking or driving members, one carried by the wheel and the other carried by the post, and comprising a member with a notch and a rotary locking bolt adapted to be turned into and out of the notch and capable of being turned into the notch only when the combination disks have been properly positioned.

1,464,176. COMBINED HAND BAG AND VANITY BOX. MAX FREUND, New York, N. Y., assignor to Freund Bros. & Co. Inc., New York, N. Y., a Corporation of New York. Filed Mar. 24, 1922. Serial No. 546,346. 2 Claims. (Cl. 150—34.)



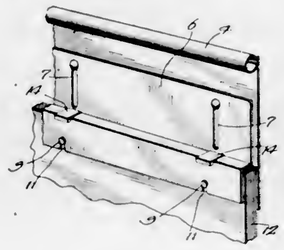
1. An article of the class described comprising a bag having a central compartment portion and two side flaps, one of said flaps being flexibly connected to the central portion, the other flap being hinged to the central portion, said central portion having a storage chamber located below the central compartment portion and open at one side thereof, a pocket in said chamber and a plurality of pockets on one face of the hinged flap some of which are adapted to project into said storage chamber.

1,464,177. DIE HEAD. WILLIAM HERBERT GATES, New Haven, Conn. Filed June 10, 1921. Serial No. 476,387. 6 Claims. (Cl. 10—95.)



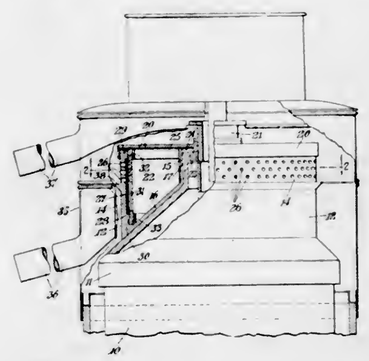
3. A die head having a shank and carrying radially operating dies, a shell partially embracing the head and secured thereto, a follower operatively located within the shell and carrying die actuating cam studs, a cam lever rotatably mounted on the shank in workable relation with the follower and having internal cam connection with the shank whereby the follower is actuated to close the dies.

1,464,178. HANGER. HARRY C. GOWRAN, Two Rivers, Wis., assignor to The Hamilton Manufacturing Company, Two Rivers, Wis., a Corporation of Wisconsin. Filed Dec. 27, 1921. Serial No. 525,135. 3 Claims. (Cl. 129—23.)



1. In a hanger, the combination with a plate; of supporting pins projecting from one face of the plate; and a hood slidably mounted upon said plate to be movable up and down and serving, in one position, to cover the tops of objects supported upon said pins, and in an alternative position to clear said objects.

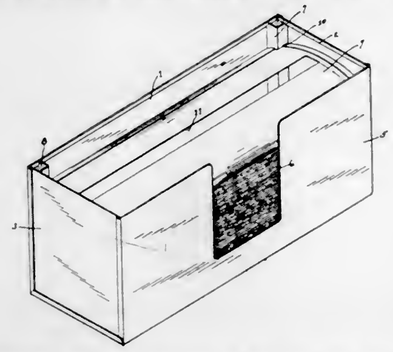
1,464,179. FILTER CAP FOR CENTRIFUGAL CLARIFIERS. JONAS HOWARTH, Newark, N. J. Filed July 30, 1920. Serial No. 400,078. 4 Claims. (Cl. 233—2.)



1. In centrifugal separator apparatus: a rotatable filter head adapted to receive the partly clarified liquid and comprising a cylindrical vessel having a conical bottom portion seated on the top of the separator apparatus and rotatable therewith, a removable cover for said vessel extending over the interior of said centrifugal apparatus and affording communication between same and the interior of the filter head.

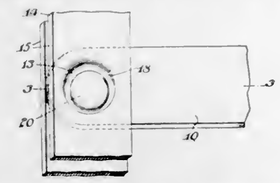
1,464,180. NAPKIN-DISPENSING DEVICE. DAVID WILLIAM HUDSON, Green Bay, Wis. Filed Apr. 27, 1922. Serial No. 556,933. 8 Claims. (Cl. 21—29.)

1. A dispenser for interfolded sheets, said dispenser including a receptacle adapted to permit the withdrawal of a sheet from the top of an interfolded pile therein, and a gravity actuated pressure device mounted for



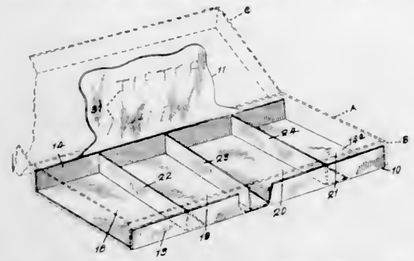
movement within the receptacle and provided with an opening adapted to permit the withdrawal of sheets therethrough.

1,464,181. PILE-FORMING WIRE FOR PILE-FABRIC LOOMS. JACOB KAUFMANN, Philadelphia, Pa., assignor to Steel Heddle Manufacturing Company, Philadelphia, Pa., a Corporation of Pennsylvania. Filed July 7, 1922. Serial No. 573,371. 5 Claims. (Cl. 139—46.)



1. A pile forming wire, and a controlling heddle to which one end of said pile forming wire is pivotally connected, said heddle comprising two strips of thin, flat metal or wire having the pivotal end of the pile forming wire disposed therebetween, each of said strips having the metal stamped or pressed inward to form a boss and means for securing said bosses to each other whereby said bosses will form a pivot for the end of the pile forming wire.

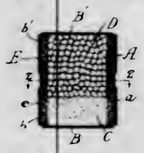
1,464,182. DISPLAY CARD AND INSERT FOR BOXES. DAVID LEVIGTON, New York, N. Y. Filed July 14, 1922. Serial No. 574,967. 1 Claim. (Cl. 229—15.)



An insert for boxes, cut and folded from a single blank, comprising a substantially rectangular body part having its side edge portions flexed lengthwise to provide upstanding side walls for removably fitting the interior of a box and the body part having in its central portion between the side walls spaced substantially U-shaped slits with the portions of the body part within the slits

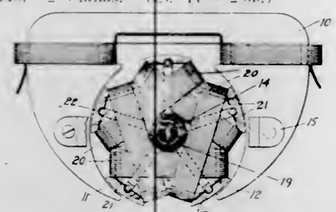
being bent upwardly in spaced parallel relation providing partition members, and a display flap extending from one of the side walls for being foldably disposed toward and from the partition members.

1,464,183. TOY TORPEDO. CAMILLO M. CHIA, Ardmore, Pa., assignor to The United States Fire Works Manufacturing Company, Cardington, Pa., a Corporation of Pennsylvania. Filed Mar. 15, 1921. Serial No. 452,466. 3 Claims. (Cl. 102—25.)



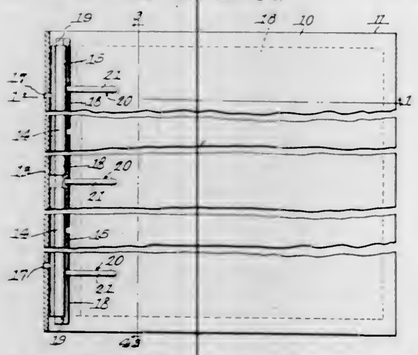
1. A torpedo consisting of a cylindrical container formed of multiple windings of paper, cup like closures for the ends of said container formed of strong, tough material flanged to fit over the ends of the container, a wrapper formed of multiple windings of paper glued to the outer wall of the container and to the flanges of the closures, the windings of said wrapper being glued together and a charge consisting of an explosive powder and gravel filling the container.

1,464,184. ELECTRIC MOTOR. FRITZ P. MANSSENDEL, Brooklyn, N. Y. Filed Mar. 31, 1921. Serial No. 457,443. 2 Claims. (Cl. 171—2.09.)



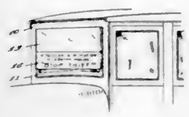
1. An electric motor, comprising a field magnet, a thin drum armature mounted for rotation between the poles thereof, and a commutator on said armature having segments with extensions continued radially beyond and [illegible] the leads between the coils [illegible] connected to the outer ends of said extensions.

1,464,185. LOOSE LEAF BINDER. SIDNEY G. MEWBORN, Wilson, N. C. Filed Jan. 16, 1923. Serial No. 612,796. 4 Claims. (Cl. 129—24.)



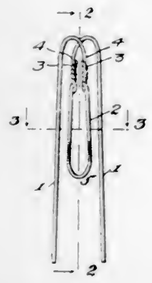
1. In a loose leaf binder, a cover having a back, a plurality of base-guides adapted to be longitudinally adjustably mounted upon the back and to be secured thereto in a selected adjusted position, a plurality of bases longitudinally adjustably mounted within the base guides, and holding elements carried by the bases.

1,464,186. AUTOMOBILE LOCK AND THEFT NOTICE. LOUIE H. OBERREICH, Indianapolis, Ind. Filed Nov. 22, 1920. Serial No. 425,625. 4 Claims. (Cl. 40—61.)



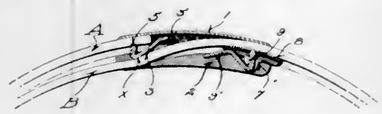
1. A theft guard for automobiles comprising a vision-obstructing plate consisting of hinged members formed for interlocking engagement with a windshield in driving vision obstructing position, and a cooperating member and lock to lock said plate in driving-vision obstructing position.

1,464,187. HAIRPIN. ARNOLD J. PATTEN, Ellsworth, Me. Filed Dec. 1, 1922. Serial No. 604,309. 1 Claim. (Cl. 132—52.)



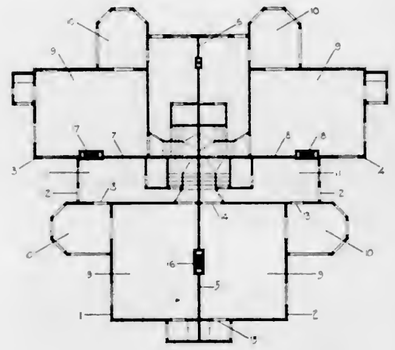
A hair pin of the class described comprising a pair of prongs, each prong being bent inwardly and terminating in a spring jaw, one prong having a portion wrapped or coiled around a portion of the other prong, said spring jaws bent outwardly near their middle and at their outer end, producing a clamping device with a pocket in its center and with a mouth at its outer end, substantially as shown and described.

1,464,188. BUCKLE. ADAM PRIMAK, Kenosha, Wis. Filed July 3, 1922. Serial No. 572,688. 1 Claim. (Cl. 24—191.)



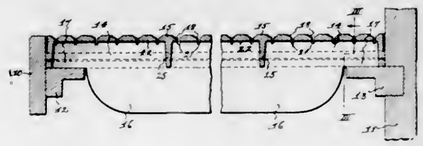
A strap buckle comprising a transversely curved breast plate having inturned flanges, a toothed bell crank lever pivotally connected with the breast plate flanges for locking the permanently attaching end of the strap to the breast plate, a second bell crank lever having pintles mounted in the plate flanges, and a transversely curved gripping shoe provided with guide slots engaging said pintles, said gripping shoe being adapted to pinch the detachable end of the strap to the inner surface of the plate.

1,464,189. BUILDING CONSTRUCTION. B. HUSTACE SIMONSON, New York, N. Y. Filed Sept. 8, 1921. Serial No. 499,269. 5 Claims. (Cl. 20—1.1.)



1. A building comprising four houses, two of said houses being the reverse of each other and having a side party wall in common, the other two houses being substantially identical with the first mentioned houses and arranged at right-angles thereto, with a back party wall in common, said back party wall forming a continuation of the said side party wall, the rear wall of each of the first mentioned houses being a party wall in common with a side wall of one of the latter houses.

1,464,190. FURNACE GRATE BAR. HOWARD J. WEBSTER, Philadelphia, Pa. Filed Mar. 30, 1922. Serial No. 548,063. 12 Claims. (Cl. 126—163.)



1. A furnace grate bar having a fire surface section provided with a series of separated depressions or recesses in its upper face, and a continuous slit in each of and extending the entire length of the depressions or recesses of the fire surface section and extending through the under face of the fire surface section.

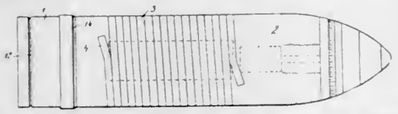
1,464,191. PERPETUAL CALENDAR. JOSEPH W. WEST, Bearden, Ark. Filed May 9, 1922. Serial No. 559,538. 3 Claims. (Cl. 40—109.)

1. A perpetual calendar including a strip having a pair of sight openings each having day symbols at its margins, a movable indicator removably engaged on one edge of one of said sight openings and adapted for disposition over any one of the day symbols to indicate the first day of a given year, and a second strip movable relatively to the first strip and having a month name group visible through the first sight opening and a date group visible through the other sight opening, the month names being positionable opposite the said indicator, the date group disposed on the second strip, with relation to the month



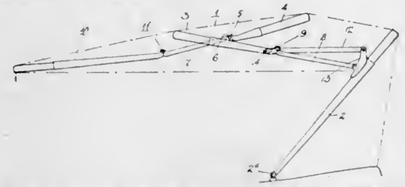
name group, that upon positioning any month name opposite the indicator the proper portion of the date group will be disposed within the said other sight opening.

1,464,192. ANTIAIRCRAFT SHELL. RUSSELL A. WILLSON, Spokane, Wash. Refile of abandoned application Serial No. 205,752, filed Dec. 6, 1917. This application filed Jan. 18, 1922. Serial No. 530,011. 4 Claims. (Cl. 102—29.)



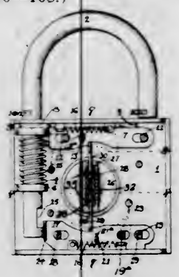
2. An explosive shell having two heavy end portions united by a flexible connection in the form of a metal strip wound to complete the contour of the shell between the end portions, together with an explosive charge and timing mechanism for firing the charge while the shell is in flight to upset the balance and cause the heavy ends to separate and draw out the flexible connections to considerable length.

1,464,193. TOP FOR VEHICLES AND THE LIKE. CHARLES R. ALLEN, Ashtabula, Ohio, assignor to The Ashtabula Bow Socket Company, Ashtabula, Ohio, a Corporation of Ohio. Filed Nov. 28, 1919. Serial No. 341,154. 3 Claims. (Cl. 296—116.)



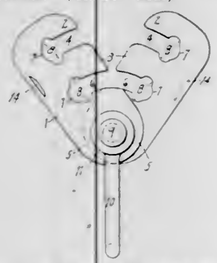
1. In a top for vehicles and the like, the combination of a main bow; a foldable outrigger structure comprising a two-part articulated outrigger bow having its rear portion pivotally attached to said main bow, a rearwardly inclining supplemental bow pivotally attached to the forward portion of said outrigger bow, the lower end of said supplemental bow extending forwardly beyond said outrigger bow, and a second outrigger bow pivotally attached to such extending end of said supplemental bow; and foldable linkage connecting said outrigger structure with said main bow and adapted to sustain said structure from said bow in the open condition of the top.

1,464,194. PADLOCK. DELINDO BARTOLACELLI, Daly City, Calif. Filed May 2, 1922. Serial No. 557,843. 1 Claim. (Cl. 70—108.)



In a padlock, a casing, a key block extending through said casing, a slot in said key block for the insertion of a key therein, a pair of apertures in said key block for the emission of a pair of unlocking means of said key, two sets of tumblers for the engagement of said unlocking means therewith, a pair of locking means associated with said tumblers, a bow, the ends of which enter within the said casing, three slots within said bow for engagement with said pair of locking means, a spring attached to each locking means for pulling it into engagement with said bow, and a spiral spring encircling said bow, for forcing the slots thereof away from said locking means after disengagement therewith.

1,464,195. CHAIN CONNECTOR. JERRY H. BESAW, Huntington, Mass. Filed Mar. 24, 1922. Serial No. 546,459. 2 Claims. (Cl. 24—242.)



1. In a chain connector, plates arranged side by side and pivotally connected at one terminal, said plates having registering jaws on oppositely-disposed edges, with registering slots between said jaws, the upper and under edges of which slots are in the form approximately of arcs struck from the axial center of the pivot, and the inner ends of which slots form upper and under notches, said slots and notches being adapted to receive a link.

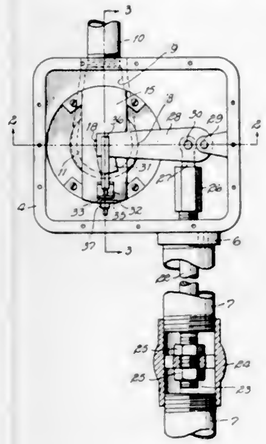
1,464,196. MATTRESS TUFT. HARRY J. BURKART, St. Louis, Mo. Filed Mar. 24, 1922. Serial No. 546,372. 3 Claims. (Cl. 155—185.)



1. A mattress tuft comprising a plurality of longitudinal strands of flexible material, said strands being braided to form a tubular body, and said tubular body being provided with soft end portions.

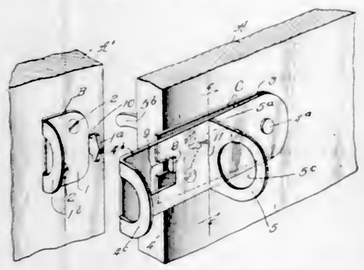
1,464,197. THERMOSTATIC STEAM TRAP. THOMAS CALDWELL, Sedalia, Mo. Filed Mar. 20, 1922. Serial No. 545,311. 7 Claims. (Cl. 236—59.)

1. In a steam heating system a thermostat steam trap therein, said trap comprising a casing having an inlet in communication with said system and an outlet for the discharge of water of condensation, a valve in said outlet, means tending to open said valve, a thermostat, means operating by said thermostat for closing said valve, and



means for automatically locking said valve in its closed position, said locking means being adapted to be actuated by said valve closing means to unlock said valve after the valve closing means is disengaged therefrom.

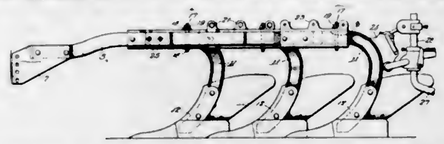
1,464,198. HASP. GUSTAV A. CARLSON, Chicago, Ill., assignor to The Boye Needle Company, Chicago, Ill., a Corporation of Illinois. Filed June 6, 1921. Serial No. 475,408. 4 Claims. (Cl. 292—281.)



1. A device of the character set forth comprising a keeper having two vertical edges lying in substantially parallel planes provided at one vertical edge with a padlock loop and at the other vertical edge with a latch-engaging member, and a latch device comprising a mounting plate provided with screw-receiving perforations, and a latch plate pivotally secured to said mounting plate, said latch plate having an extension adapted to overlie the base portion of the keeper, and having a slot adapted to engage the latch-engaging member of the keeper, and having also at its end a padlock loop adapted to register with the loop of said keeper.

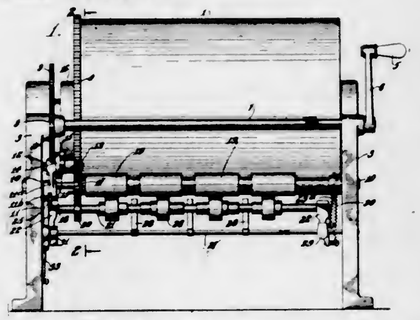
1,464,199. PLOWFRAME. ROBERT C. CAUGHEY, Dixon, Ill., assignor, by mesne assignments, to J. I. Case Threshing Machine Company, Racine, Wis., a Corporation of Wisconsin. Filed Mar. 22, 1919. Serial No. 284,357. 10 Claims. (Cl. 97—198.1.)

1. A plow comprising a frame with a socket, a plow body having a supporting beam which extends forwardly into the socket and is adapted to be optionally positioned at opposite sides of the socket, and means for applying



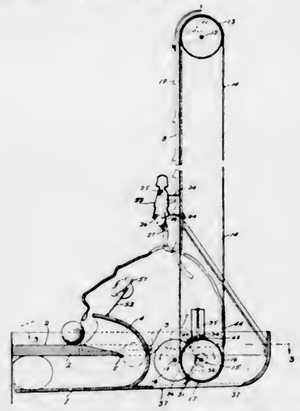
pressure at either side of the beam to clamp the beam against either side of the socket.

1,464,200. SHEET-FEEDING MECHANISM OF PRINTING AND LIKE MACHINES. WALTER CHIPPERFIELD, Hornchurch, England, assignor, by mesne assignments, to A. B. Dick Company, Chicago, Ill., a Corporation of Illinois. Filed Apr. 13, 1921. Serial No. 461,016. 8 Claims. (Cl. 271—53.)



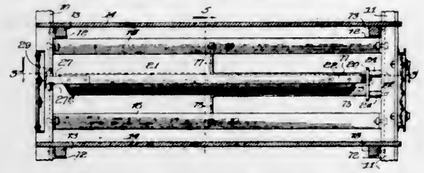
1. In sheet feeding mechanism, the combination of feed rollers, a printing cylinder, means tending to press said rollers together, a gear train for rotating said rollers during a part of the rotation of said cylinder, and means for disconnecting said gear train to stop the rotation of said rollers during another part of the rotation of said cylinder.

1,464,201. AMUSEMENT DEVICE. ADOLPH FRIEDRICH, New York, N. Y. Filed Sept. 26, 1921. Serial No. 503,239. 10 Claims. (Cl. 46—56.)



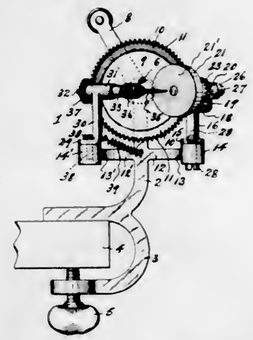
3. An amusement device, representing Jack-and-the-bean-stalk, in combination, a figure representing Jack, a representation of a bean stalk, a representation of a giant's head with open mouth, and means situated beyond the mouth and adapted to be actuated by a ball rolled into the mouth to cause Jack to ascend the bean stalk and the giant to roll his eyes.

1,464,202. FEED TROUGH. GEORGE F. HAUF, Chicago, Ill., assignor, by mesne assignments, to Equipment Devices Company, a Corporation of Maine. Filed Aug. 10, 1921. Serial No. 491,165. 5 Claims. (Cl. 119—12.)



1. In a poultry-car containing coops at opposite sides of an aisle having trough-insertion openings in their frames at the aisle, partition members between adjacent coops in the same tier, guides carried by said members, a trough slidable through one of said openings, a slide slidable on said guides, means for hingedly mounting the outer end of said trough on said slide, and a groove in said trough engaging one of said guides for preventing said trough from being turned until it is partially withdrawn from the coop.

1,464,203. NEEDLE-POINTING MACHINE. RICHARD A. HUTCHINSON, Kenilworth, N. J., assignor to Robert E. Wilson, Belleville, N. J. Filed July 7, 1922. Serial No. 573,419. 7 Claims. (Cl. 51—131.)



1. In a device of the kind described, a supporting frame, a dish-shaped driving gear rotatably mounted upon said frame, a carrying means supported upon said frame so as to be capable of a swinging adjustment in a horizontal plane, a grinding wheel provided with an arbor journaled in said carrying means, a spur gear on said arbor in meshed engagement with one side of said driving gear, a second carrying means pivotally supported upon said frame to swing in a horizontal plane, a chuck spindle journaled in said second carrying means, a chuck means connected with said spindle for supporting and rotating an article to be pointed, a spur gear on said spindle in meshed engagement with the opposite side of said driving gear, and spring means for swinging said second carrying means to press said article to be pointed in operative relation to said grinding wheel.

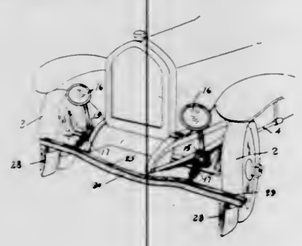
1,464,204. SLEIGH RUNNER. ABRAM A. KNOWLES, Canyon Ferry, Mont. Filed Oct. 14, 1922. Serial No. 594,448. 1 Claim. (Cl. 280—28.)



A sleigh runner consisting of separate lateral parts each having an upwardly extending flange, a wide upwardly curved portion terminating in a horizontal portion and a vertical part located between said upwardly extending

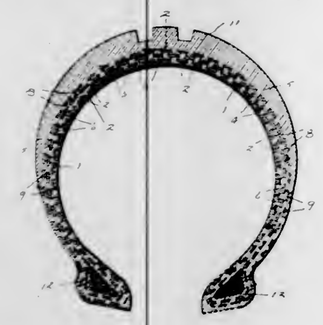
flanges and secured thereto, in such manner that they may be adjusted vertically with relation thereto, and projecting below said lateral parts.

1,464,205. DIRIGIBLE BUMPER AND HEADLIGHT FOR AUTOMOBILES. SHICHIGORO KUNO, Denver, Colo. Filed Dec. 30, 1922. Serial No. 609,851. 4 Claims. (Cl. 293—13.)



1. In combination an automobile axle, a pair of wheels attached thereto, means for changing the angular relation of the planes of the wheels and the axis of the axle, a bumper pivotally attached to the axle, means comprising a portion of the steering gear for moving the bumper in accordance with the movement of the plane of the wheels, with respect to the axle, and a snow plow secured to each end of the bumper directly in front of each wheel.

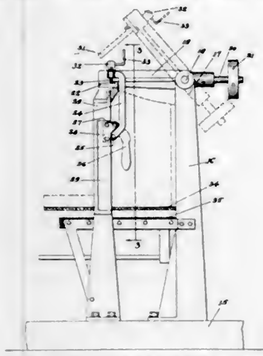
1,464,206. TIRE CASING. FRED L. LA TULIP, Los Angeles, Calif., assignor of five-eighths to W. D. Nicholson, Long Beach, Calif. Filed Oct. 16, 1922. Serial No. 594,767. 2 Claims. (Cl. 152—13.)



2. A tire casing of the character referred to comprising a casing body made up of layers of rawhide in ribbon form, spaced to permit the tire composition to fill in therebetween, said layers of rawhide being diagonally disposed and crosswise of each other, and a tread portion built up over said strips of rawhide and formed of a rubber composition filling the spaces between said strips of rawhide and vulcanized into a homogeneous casing body.

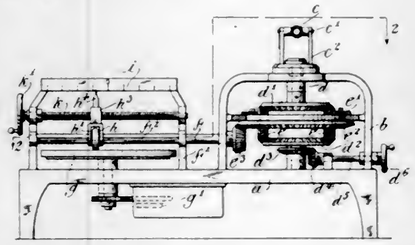
1,464,207. ASSEMBLING AND WELDING JIG. JOSEPH LEDWINKA, Philadelphia, Pa., assignor to Edward G. Budd Manufacturing Company, Philadelphia, Pa., a Corporation of Pennsylvania. Filed Dec. 17, 1921. Serial No. 523,058. 22 Claims. (Cl. 219—4.)

1. In a machine for welding together sheet metal members to form an automobile body, a framework to receive in assembled relation a cowl panel and the members to which it is to be welded, a movable positioning member carried by said framework and having means



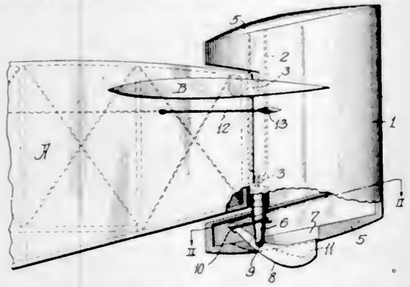
to engage said cowl panel and hold the same in assembled position, and means for electrically welding said cowl panel and members together.

1,464,208. MEANS TO INDICATE THE ANGULAR SPEED OF MOVING OBJECTS. WADIM S. MAKAROFF, New York, N. Y., assignor to The Ford Instrument Company, Inc., New York, N. Y. Filed Feb. 21, 1918. Serial No. 218,488. 8 Claims. (Cl. 33—46.)



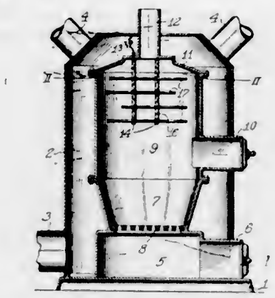
1. An angular speed indicator comprising a sighting device movable about an axis, power operated means and transmission devices to move the sighting device about such axis and means to vary the speed of movement of the sighting device about its axis.

1,464,209. SHOCK-ABSORBING RUDDER. JAMES V. MARTIN, Elyria, Ohio. Filed Apr. 20, 1918. Serial No. 229,664. 18 Claims. (Cl. 244—2.)



9. In an aeroplane, the combination of a pivoted rudder having an opening, a tail skid supported in said opening, and means for yieldingly holding said skid projected through the opening.

1,464,210. FURNACE. RICHARD MARX, Detroit, Mich. Filed Oct. 7, 1918. Serial No. 257,122. 1 Claim. (Cl. 126—99.)



The combination of a combustion chamber, a cover therefor, a flue carried by said cover axially thereof and communicating with said combustion chamber, tie rods suspended from said cover and having the upper ends thereof connected to said cover as close to the axis of said chamber as said flue will permit, staggeredly arranged baffle members on said tie rods below said flue, said baffle members having short peripheral edges and long concave edges, said baffle members being disposed in parallel planes with the short edges thereof in proximity to walls of the combustion chamber, said tie rods extending through said baffle members at the long concave edges of said baffle members and equidistant from the short peripheral edges thereof, and sleeves on said tie rods between said baffle members and between said cover and the uppermost baffle member maintaining said members in spaced superposed relation, said baffle members cooperating with walls of said chamber in providing an uninterrupted annular passage at the walls of said chamber, and said baffle members cooperating with one another in forming a sinuous passage within a zone defined by the peripheral edges of said baffle members.

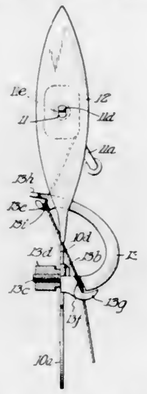
1,464,211. COMIC ARTIFICIAL EYE. ELMER C MITCHELL, St. Louis, Mo. Filed June 14, 1922. Serial No. 568,141. 1 Claim. (Cl. 46—37.)



A comic artificial eye, comprising a forwardly convexed body adapted to cover the eye of the wearer and having a marginal portion adapted to engage against the front of the eye lids in the eye socket of the wearer and having a sight opening through the front thereof, an arched ridge forwardly beyond the subjacent portion of the body above the sight opening and representing the upper eye lid, a row of eye lashes extending from said ridge representing the upper lashes of a person, and a colored portion on the front of the body below said ridge and eye lashes and around said opening representing the iris of an eye.

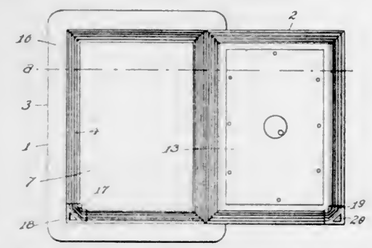
1,464,212. SHUTTLE WINDER. JOHN F. MITCHELL, Topeka, Kans., assignor to Marshall Field & Company, Chicago, Ill., a Corporation of Illinois. Filed Sept. 29, 1920. Serial No. 413,573. 11 Claims. (Cl. 242—52.)

1. The combination with a shuttle having a transverse passage therethrough of non-circular design in cross section, of a winding device for said shuttle, a crank shaft rotatably carried thereby, one end of said shaft being designed to fit within said passage, a thread



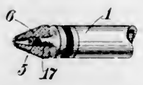
guide, and a stop for positioning said shuttle on said shaft in operative relation to said guide, said shaft being split longitudinally to frictionally maintain said shuttle against displacement.

1,464,213. SAFE. MOSES MOSLER, New York, N. Y., and CARL BARTELS, Hamilton, Ohio, assignors to The Mosler Safe Company, New York, N. Y. Filed Oct. 17, 1919. Serial No. 331,331. 11 Claims. (Cl. 109—2.)



1. A safe comprising a metallic shell and a layer of non-combustible material disposed against the interior of said shell, said shell and layer extending in parallel relation throughout an exterior portion of the safe, a front portion, and a stepped door jamb spaced from the said exterior portion.

1,464,214. FLUID SPREADER OR MARKING DEVICE. REGINALD ERIC OLLERENSHAW, London, England. Filed Oct. 4, 1921. Serial No. 505,382. 8 Claims. (Cl. 91—67.4.)

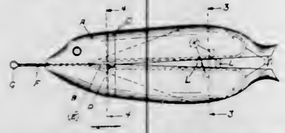


2. A fluid-spreading device comprising in combination a tubular container having a closed end and an outlet from the container opening through a lateral wall thereof in the region of said closed end, and a tubular elastic member sprung over the closed end of the container to cover the aforesaid outlet and to project beyond said closed end.

6. A fluid-spreading device comprising in combination a tubular container, an end portion therefor of reduced diameter, with a closed extremity, and a lateral

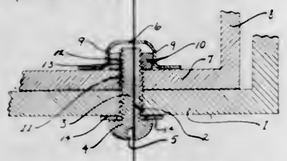
outlet in the region of said extremity, and a tubular elastic member fitting over said reduced portion of the container to cover the outlet therefrom, said elastic member being tapered towards its outer extremity and provided with an irregularly formed end surface.

1,464,215. FISH LURE. ALBERT OLSON, Minneapolis, Minn. Filed June 12, 1922. Serial No. 567,812. 2 Claims. (Cl. 43—36.)



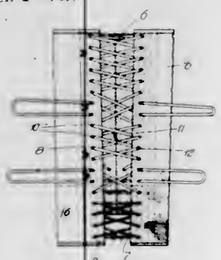
1. A lure comprising a pair of sections tiltably secured to each other, the front ends of the sections being normally closed when the lure is set, a pair of hooks concealed in said sections, and means for releasing said hooks when the rear ends of the sections are closed.

1,464,216. MEANS FOR HOLDING BURIAL CASKETS OR THE LIKE IN SHIPPING RECEPTACLES. ROBERT F. PADEN, Glendale, Mo., assignor to St. Louis Coffin Company, St. Louis, Mo., a Corporation of Missouri. Filed June 19, 1922. Serial No. 569,457. 3 Claims. (Cl. 217—52.)



1. In combination with an article to be shipped, a shipping receptacle, means passing through a wall of the article and a wall of the receptacle for maintaining the article within the receptacle within proper predetermined bounds, additional means located within the article for holding said first-mentioned means in the position above mentioned, and a protective and retaining cap secured to the inner surface of a wall of the article to maintain said additional means in proper operative position.

1,464,217. CORSET CLOSURE. CHRISTINE PETERSEN, Evanston, Ill. Filed Mar. 2, 1922. Serial No. 540,386. 2 Claims. (Cl. 2—74.)



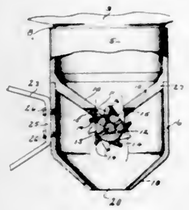
1. The combination with corset sections having margins provided with eyelets, of a shield comprising a pair of flaps both of which are connected to and project beyond the respective margins on the inside of the sections, whereby the edges of the flaps will abut with each other and close the space between the sections in all positions of the latter, and laces connecting the margins of the corset sections and also the margins of the flaps.

1,464,218. FOUNTAIN PEN. FRANK REGERO, Macon, Ga. Filed Aug. 14, 1922. Serial No. 581,758. 7 Claims. (Cl. 120—47.)



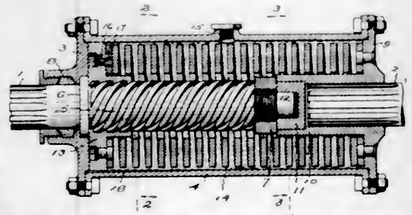
1. In a fountain pen, the combination with an outer casing affording an ink chamber, of a valve comprising two sleeves provided with openings, one of said sleeves being fixed relative to the pen-holding member and the other being rotatable on said fixed sleeve to enable said openings to register with each other, when desired, a piston sleeve slidingly mounted within said casing, and means whereby said valve may be opened or closed by a partial rotation of said piston sleeve.

1,464,219. GRINDING DEVICE. HUGO E. ROSENKRANZ, Oshkosh, Wis., assignor to Oshkosh Lowering Device Co., Oshkosh, Wis., a Corporation of Wisconsin. Filed Feb. 21, 1920. Serial No. 360,354. 2 Claims. (Cl. 146—123.)



1. A grinding device comprising a container, a partition therein including two opposed downwardly inclined walls projecting toward the center of the container and having their inner ends spaced to provide an opening, a series of spaced cutting teeth carried by the inner ends of the walls and formed with vertically extending cutting edges, and comminuting means positioned at said opening comprising a shaft journalled in said container centrally of said opening, a plurality of annular members independently and circumferentially adjustably mounted on said shaft, teeth formed on said annular members and having radially extending cutting edges adapted to coact with the first mentioned teeth to form a shearing cut, and interlocking means between said members, whereby said members may be adjusted relatively to each other thereby aligning or staggering the respective teeth thereof as desired.

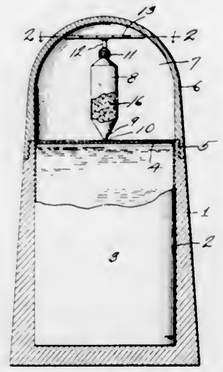
1,464,220. MEANS FOR CUSHIONING TRANSMISSION SHAFTS. KELVIN N. SACHS and JOSEPH SACHS, Hartford, Conn. Filed Dec. 27, 1921. Serial No. 525,117. 7 Claims. (Cl. 64—100.)



1. Means for cushioning a transmission shaft comprising a cylinder, an internally threaded piston movable rotatably and longitudinally in the cylinder, a spring interposed between and having its ends fastened respectively to the cylinder and piston, a driving member and a driven member, one of said members being positively

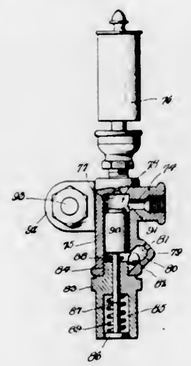
connected with the cylinder and the other member being loosely connected with the cylinder and having a screw thread adapted to engage and move the threaded piston in the cylinder against the force of the spring.

1,464,221. PROJECTILE. HENRY SAFFORD, Little Rock, Ark. Filed May 24, 1923. Serial No. 641,130. 3 Claims. (Cl. 102—29.)



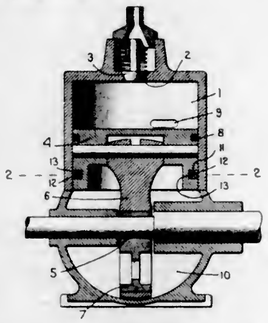
1. An inflammable shell comprising a main body portion having a cylindrical chamber therein, a cap portion threaded on the body portion and having a chamber therein, a liquid receiving receptacle disposed within the chamber of the main casing, a spider disposed within the chamber of the cap and supported by the wall thereof, an axially disposed arm carried by said spider and extending towards the liquid receiving receptacle, an explosive charge receiving casing axially disposed and supported by said spider arm, said explosive charge receiving casing having its ends pointed and engaging a reinforcing strip carried by the liquid receiving receptacle.

1,464,222. THERMALLY-CONTROLLED AUDIBLE SIGNAL. GEORGE A. SAGER, Albany, N. Y. Original application filed Mar. 4, 1920, Serial No. 363,206. Divided and this application filed June 8, 1921. Serial No. 475,969. 10 Claims. (Cl. 116—102.)



8. A low water safety tell-tale including a casing having a steam inlet and outlet, a plunger shiftable in the casing to coact with said outlet cutting off flow of steam therethrough, means for shifting the plunger and means relieving the casing of water of condensation.

1,464,223. PUMP. CHARLES A. SLEICHER, Troy, N. Y., assignor, by mesne assignments, to Troy Foundry and Machine Co. Inc., Troy, N. Y., a Corporation of Massachusetts. Filed Mar. 10, 1917. Serial No. 153,964. 1 Claim. (Cl. 24—109.)

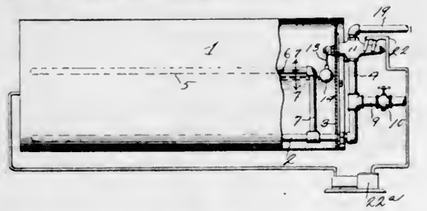


In an air pump, the combination with a crank casing containing oil, of a single-acting cylinder mounted on and having one end communicating with the crank case, a piston in the cylinder, a crank shaft journalled in the crank case and connected to the piston, said piston being provided near its working end with a plurality of piston rings to make a tight joint with the cylinder walls and to prevent the material being pumped from leaking past the piston during the compressing stroke, said piston also having means to prevent excess oil from working past the piston during the suction stroke and a compressing annular peripheral groove in said piston adjacent its end which faces the crank case, a ring of felt or absorbent material situated in said groove and a split resilient ring in the bottom of the groove behind said felt ring and tending to expand the felt ring outwardly into contact with the walls of the cylinder with sufficient pressure to prevent excess oil from working past the piston.

1,464,224. VARNISH, PAINT, OR WATERPROOFING COMPOSITION AND PROCESS FOR MAKING SAME. PEREZ M. STEWART, Pasadena, Calif. Filed Oct. 19, 1922. Serial No. 595,681. 5 Claims. (Cl. 134—26.)

3. The process of producing a base for varnish, paint or water proofing material in which unsaturated vegetable oil is added to pentoxide of phosphorus, linseed oil and "Cumar" are mixed and heated, and said linseed oil mixture is mixed with said vegetable oil mixture.

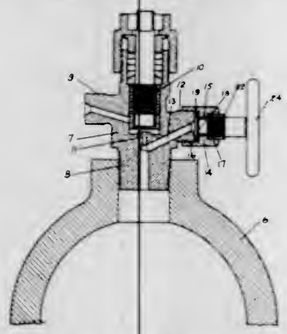
1,464,225. BOILER PRIME PREVENTER. JOHN HENRY STOCKHOLDER, New Orleans, La. Filed May 26, 1921. Serial No. 472,925. 1 Claim. (Cl. 122—381.)



The combination with a boiler having a feed pump in connection therewith for supplying the boiler with water, of a float controlled valve in connection with said boiler, apertured pipes connected to said valve and disposed within the boiler, one of said pipes being disposed adjacent the water level, the other apertured pipe being disposed ad-

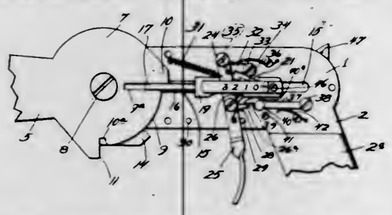
jacent the bottom of the boiler, said float controlled valve forming means whereby the water within the boiler may be skimmed and the sediment in the bottom of the boiler removed, said float controlled valve being so constructed that when the water drops below normal level steam will pass through said valve to the feed pump for accelerating its action and when the water rises above normal level the valve will open a discharge pipe thereby preventing priming of the boiler and at the same time admitting steam to feed pump for feeding water to the boiler.

1,464,226. SAFETY DEVICE FOR GAS DRUMS. WILLIAM JAMES TRAXEL, Chicago, Ill. Filed Nov. 11, 1920. Serial No. 423,261. 2 Claims. (Cl. 220—89.)



1. A gas drum comprising a container proper and a filling head, a nipple on the filling head, a union on the nipple, a safety disc the edge of which is clamped between the nipple and the union, and a plug screwed into the union and engaging the safety disc.

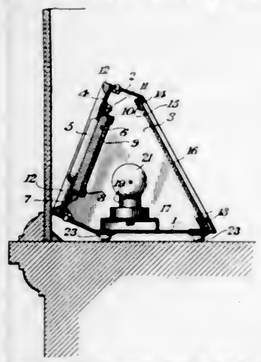
1,464,227. BASEBALL-UMPIRE'S INDICATOR. WILLARD M. TYNER, Bethany, Mo. Filed Apr. 3, 1922. Serial No. 548,941. 12 Claims. (Cl. 116—132.)



5. An indicator comprising a frame, a plurality of blades on the frame, normally disposed side by side, one blade being stationary and the others movable, a catch engaging said movable blades and retaining them in position, a trigger for withdrawing said retaining means step by step to permit said blades to successively operate, shoulders on said blades for engaging the catch for securing such blades in different radial positions, and means for tripping said catch to permit the blades to assume their normal side by side positions.

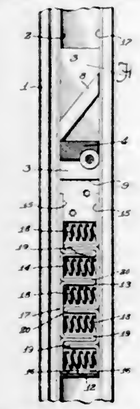
1,464,228. WINDOW ILLUMINATOR AND SIGN. PAUL SCHUYLER VAN BLOEM, Hempstead, N. Y., assignor to The Viking Products Corporation, New York, N. Y., a Corporation of New York. Filed Dec. 7, 1921. Serial No. 520,610. 3 Claims. (Cl. 40—133.)

1. A window illuminator and sign comprising a closed elongated box or casing formed with opaque bottom and top walls, ends connecting the top and bottom walls, a front wall, a transparent sign carried by said front wall, a light diffusing plate forming the rear wall of the casing, the said plate inclining upwardly and toward the front wall of the casing to increase the vertical area of illumination, means for removably mounting the light diffusing plate upon the casing comprising a support at the rear edge of the bottom wall adapted to loosely hold the lower edge of the plate in place and a rest at the rear



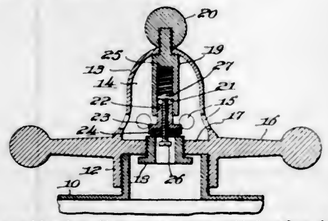
edge of the upper wall to support the plate at its upper edge, and a lamp within the casing.

1,464,229. TENSION DEVICE FOR CASEMENT WINDOWS. THOMAS E. WALKER, Detroit, Mich., assignor to Crittall Casement Window Co., Detroit, Mich., a Corporation of Michigan. Filed Dec. 1, 1921. Serial No. 519,051. 8 Claims. (Cl. 292—74.)



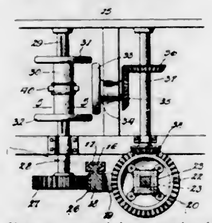
1. In a window frame, a sash supporting member that may be adjusted, said member having ends slidable in said frame, means on the ends of said member engaging walls of the frame for holding the sash supporting member in an adjusted position, said means comprising opposed compression members at each end of the sash supporting member, and springs between said compression members.

1,464,230. COMBINED RADIATOR CAP AND RELIEF VALVE FOR AUTOMOBILES. ANDREW R. WIGHTMAN, Malden, Mass. Filed June 5, 1922. Serial No. 566,058. 1 Claim. (Cl. 220—24.)



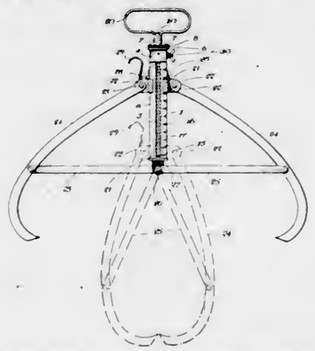
In a combined radiator cap and relief valve for automobiles, a body portion having a partition therein to form a closure for said radiator; a centrally bored screw plug adapted to form a seat for a valve; a valve having a stem; a centrally bored stud fast with said body portion in which said stem is guided; a spring in the bore of said stud; and a screw carried by said valve adapted to regulate the tension of said spring.

1,464,231. POSTHOLE DIGGER. FRANK A. YEZEK, Plymouth, Iowa. Filed Apr. 5, 1922. Serial No. 549,657. 1 Claim. (Cl. 255—19.)



A post-hole digger comprising a wheeled axle, a main frame erected upon and over the axle, a channeled guide extending vertically on the back of the frame, a drill frame, a T-rib on the front of the drill frame slidably engaging in the channeled guide, a drill having a spindle journaled in the drill frame, a gear fitted on the drill spindle to drive the same, the spindle being slidable through the gear, a driving shaft mounted transversely on the main frame and operatively connected with said gear, a longitudinal shaft mounted on the main frame in front of the drill frame and actuated by said gear, an intermediate shaft mounted transversely on the main frame and geared to said longitudinal shaft, a second longitudinal shaft mounted on the main frame and having its rear end disposed adjacent the drill frame, means whereby the second longitudinal shaft may be driven in either direction by the intermediate shaft, a pinion on the rear end of the second longitudinal shaft, and a rack on the adjacent lateral side of the drill frame meshing with said pinion.

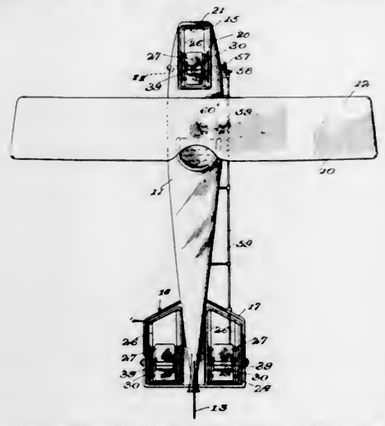
1,464,232. TONGS. JOHN T. BEAM, Sulphur, Okla. Filed Aug. 9, 1922. Serial No. 580,700. 8 Claims. (Cl. 265—66.)



1. A device of the class described comprising a scale including a body, a rod passing within the body and provided with a handle, tensioning means associated with the rod and body tongs slidably and pivotally connected to the body, links connecting the tongs to the body, and means for locking the rod against movement.

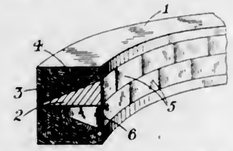
1,464,233. PROPULSION MEANS FOR FLYING MACHINES. ALBERT E. BEEBE, Cathay, N. Dak. Filed Jan. 31, 1922. Serial No. 533,029. 4 Claims. (Cl. 244—25.)

1. In a propulsion apparatus for use with aeroplanes, a frame having ways therein, slides operating in said ways and constituting propeller carriers, propeller blades pivotally connected to said slides, combined guides and stops carried by said slides and coacting with said propeller blades, and means for reciprocating said slides including a yoke having arms, links pivotally connected with the



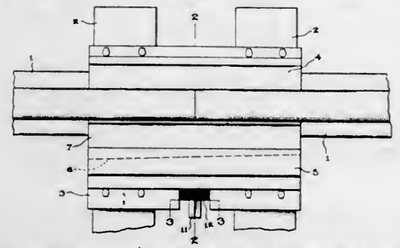
arms and with said slides, a telescopic shaft having one end pivotally connected to said yoke, a universal coupling connected to the other section of said telescopic shaft, a crank shaft, and a pitman between said crank shaft and said universal coupling.

1,464,234. SEMIMETALLIC PACKING. WILLIAM ROBERT BELDAM, London, England. Filed July 12, 1920. Serial No. 396,030. 10 Claims. (Cl. 154—45.5.)



1. A semi-metallic packing, comprising, in combination, a single flexible composition strip having formed therein an open channel extending inwardly from one face of it and longitudinally thereof, and a plurality of similar metal filling blocks positioned in said open channel and together substantially filling the channel, each of said filling blocks being of wedge formation and formed with at least one spike projecting beyond the main body thereof and driven into the bottom wall of the channel without clenching to retain the blocks in position in the channel.

1,464,235. SAFETY RAILROAD JOINT. JOHN BERCZIK, Daisytown, Pa. Filed Feb. 19, 1923. Serial No. 620,025. 3 Claims. (Cl. 238—207.)



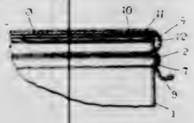
1. A rail joint of the class described comprising a chair having flanges thereon, one of the flanges being grooved, a wedge member engaging the groove and rack means for moving the wede member into and out of engagement with the rails.

1,464,236. WINDSHIELD CLEANER. LUTHER T. BERRY, San Francisco, Calif. Filed Apr. 1, 1922. Serial No. 548,851. 3 Claims. (Cl. 15—251.)



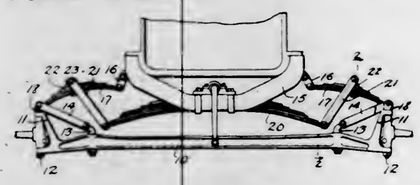
1. A windshield cleaner comprising a pair of vertically disposed slotted guides mounted upon either side of said windshield; a squeegee having its ends slidably mounted within said guides and extending across the outer face of said windshield; means for normally retaining the rubber edge of said squeegee in spaced relation to the glass of said windshield; an arm pivotally mounted upon each side of the winshield and having its free end operatively connected to the squeegee and arranged to move the rubber edge into contact with said glass and downwardly over the outer surface thereof.

1,464,237. METAL BOX. HENRY A. BEYER, Corona, N. Y., assignor to Paragon Can & Cap Company, Inc., Brooklyn, N. Y., a Corporation of New York. Filed Feb. 9, 1918. Serial No. 216,244. 4 Claims. (Cl. 220—60.)



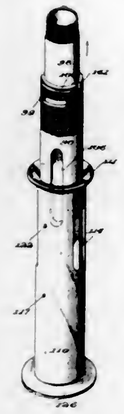
1. An article of the character described comprising, a receptacle having an annular bead, a cover having a bowed depending flange, the lower edge of said flange being inwardly disposed and fitted to engage the upper side of said bead, and ears depending from the flange and having a curved portion arranged to engage and conform to the bead.

1,464,238. AUTOMOBILE SPRING. JOHN W. BOBB, Hillsboro, Ohio. Filed Oct. 3, 1922. Serial No. 592,114. 2 Claims. (Cl. 267—6.)



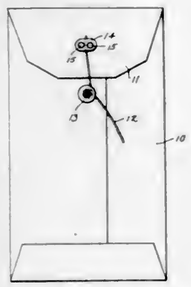
1. The combination with an axle of an automobile having spindle bolts in the ends thereof and frame, of a main semi-elliptic spring clipped intermediate its ends to the frame and with its ends spaced above the axle, auxiliary semi-elliptic springs connected at their ends to the frame and to the ends of the said axle links connected to the ends of the main spring and to the intermediate portions of the second-named semielliptic springs, and links connected to the said spindle bolts and to the ends of the axle at the points of connection of the auxiliary springs therewith.

1,464,239. BAILER. ALEXANDER BOYNTON, San Antonio, Tex. Filed May 8, 1922. Serial No. 559,361. 8 Claims. (Cl. 166—19.)



1. A bailer for wells comprising inner and outer sleeves, a bailer bottom having connection with said sleeves, said inner and outer sleeves being provided with elongated openings of a greater area than the cross sectional area of the bailer, and a valve arranged at the inlet end of the bailer.

1,464,240. ENVELOPE FASTENER. FRANK W. CURNAN, Derby, Conn. Filed Nov. 5, 1921. Serial No. 513,036. 5 Claims. (Cl. 229—78.)

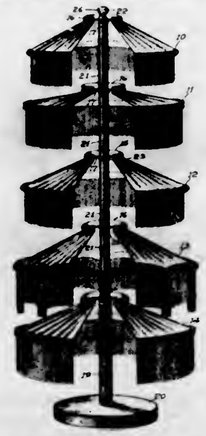


1. A fastener of the character described comprising a double eyelet, and means for securing a string and the eyelet to an envelope comprising prongs on opposite sides of the string and bent over and gripping the same and the wall of the envelope.

1,464,241. DISPLAY FIXTURE. CHARLES V. DAIGER, Newton, Mass. Filed Apr. 22, 1921. Serial No. 463,595. 4 Claims. (Cl. 211—24.)

3. A display stand for supporting a number of lamp shades of the type having a small perforated supporting portion in spaced relation one above the other, comprising a plurality of detachable sections having axially extending sockets at one end thereof and smooth pins projecting from the opposite end of the sections, the pin of each section being adapted to enter the central supporting portion of each shade and to slide freely into a socket of

another section to secure the sections together in an upright position and with a lamp shade suspended at the juncture of each pair of sections, and the length of the



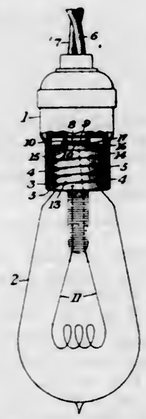
sections forming the stand being such that the shades are supported sufficiently close to each other to practically obscure the supporting sections.

1,464,242. PRINTER'S BLANKET. AMMIEL F. DECKER, Pelham, N. Y. Filed Sept. 16, 1922. Serial No. 588,736. 4 Claims. (Cl. 154—54.5.)



3. A printer's blanket or the like, having a body comprising an intimate mixture of ground cork, castor oil and dissolved nitrocellulose; and a facing applied to at least one side of said body and united thereto by pressure so that the body composition penetrates said facing.

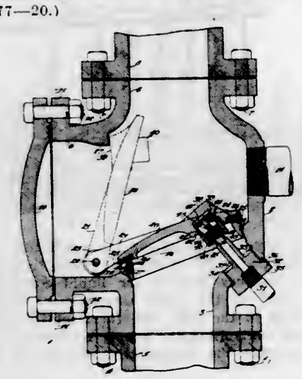
1,464,243. ANTITHEFT DEVICE FOR ELECTRIC-LAMP BULBS. THOMAS A. DICKINSON, Youngstown, Ohio. Filed Apr. 22, 1922. Serial No. 556,045. 12 Claims. (Cl. 176—31.)



1. An anti-theft device for electric lamps, comprising a flexible member attached to the lamp base and overlying

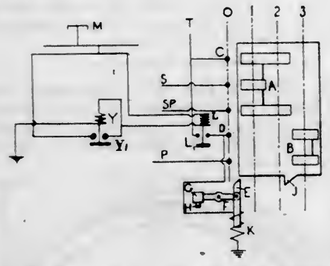
the end thereof, said member being adapted to jam in the threads of the socket upon attempted removal of the base from the socket, substantially as described.

1,464,244. ALARM VALVE. PERCY L. DRAKE, Providence, R. I., assignor to Charles W. Mills, Providence, R. I. Filed Mar. 6, 1919. Serial No. 280,878. 9 Claims. (Cl. 277—20.)



1. In an alarm-valve for automatic fire-extinguishing systems, the combination with a casing having inlet and outlet ports, of a check-valve for closing the inlet-port against back-pressure, a pilot-valve movably mounted on the under side of the check-valve within the inlet port, and a plug inserted through an opening in the side of the casing below the check-valve and provided with an outlet-port arranged opposite the pilot-valve to adapt the latter to seat thereagainst, the opening for the plug being of such dimension as to allow removal of the pilot-valve therethrough for repair or replacement, without draining off the water from the system.

1,464,245. CONTROLLER FOR ELECTRIC MOTORS. CHARLES EDWARD FAIRBURN, London, England. Filed Sept. 22, 1920. Serial No. 412,098. 3 Claims. (Cl. 172—179.)

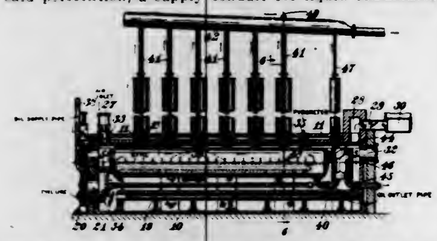


1. A controlling arrangement for electric motors adapted to work on circuits having different characteristics, comprising a controller having a plurality of sections, means for bringing these sections into action in sequence, a device acting on the controller and controlling the passing from the activity of one section to that of the next, said device comprising an electromagnetic switch determining the passage of current to the latter section of the controller and means for connecting said electromagnetic switch with the supply system.

1,464,246. DISTILLING APPARATUS. NAT HARRIS FREEMAN, Holborn, London, England. Filed Feb. 3, 1921. Serial No. 442,197. 4 Claims. (Cl. 193—6.)

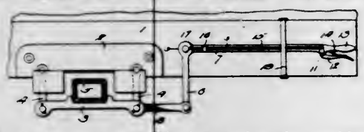
1. Distilling apparatus for oil and other liquids, comprising in combination a still through which the liquid passes for treatment, an internal, substantially horizontal,

partition in said still dividing it into two separate superposed compartments which communicate with each other only through the partition by way of a perforation towards one end of the still, said still having in the upper compartment an outlet for distillate, and in the lower compartment an outlet for residue at the end remote from said perforation, a supply conduit for liquid communicat-



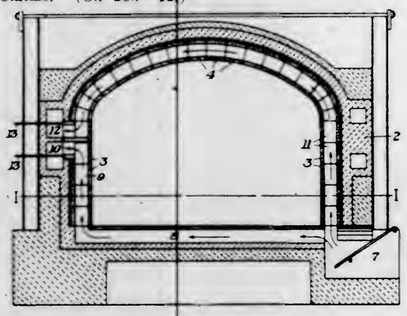
ing with the upper compartment and delivering on to the partition towards the end of the still remote from said perforations, a delivery conduit for liquid communicating with the outlet of the lower compartment, means for supplying heat to the still, and thermostatic means for automatically controlling the supply of heat to the still so as to maintain the working temperature of the still constant.

1,464,247. CAR-COUPLER-POSITIONING DEVICE. FREDERICK F. GAINES, Savannah, Ga. Filed Mar. 11, 1920. Serial No. 364,953. 7 Claims. (Cl. 213—21.)



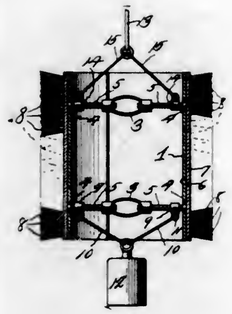
1. In a car coupler positioning device, the combination with a coupler, of a bell crank lever the arms of which have a flexible connection at their juncture, whereby one of said arms may move with the coupler in service movements, and a latch mounted on one of said arms and adapted to engage the other of said arms and lock the arms together and a connection between the coupler and the bell crank lever, whereby the coupler may be positioned by movement of the bell crank lever.

1,464,248. MUFFLE FURNACE. CHARLES F. GEIGER, Perth Amboy, N. J., assignor to The Carborundum Company, Niagara Falls, N. Y., a Corporation of Pennsylvania. Filed May 31, 1922. Serial No. 564,868. 7 Claims. (Cl. 263—42.)



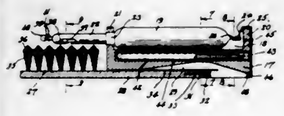
1. In a muffle furnace, a muffle having in its roof hollow tiles forming a self-supporting arch and arranged to form a flue for products of combustion, said tiles being of uniform thickness throughout their length and joined together end-to-end without overlapping portions.

1,464,249. CHIMNEY AND PIPE CLEANER. ANTHONY GRAMOWSKI, St. Joseph, Mo. Filed Mar. 29, 1922. Serial No. 547,828. 3 Claims. (Cl. 15—163.)



3. A chimney cleaning device comprising a split expansible sleeve, turn buckles for expanding and contracting said sleeve, a split contractible brush carrying sleeve frictionally engaging the periphery of the first mentioned sleeve, turn buckles for expanding and contracting the first mentioned sleeve and means whereby the device may be reciprocated in a chimney, said means comprising a weight suspended from the lower end of the device and a cable connected to the upper end of the device.

1,464,250. COMBINATION TOOTHBRUSH AND HOLDER. ROBERT H. LIEBERTHAL, Bridgeport, Conn., assignor to The All-in-One Manufacturing Company, Incorporated, Bridgeport, Conn., a Corporation of Connecticut. Filed Nov. 29, 1922. Serial No. 604,023. 16 Claims. (Cl. 132—84.)

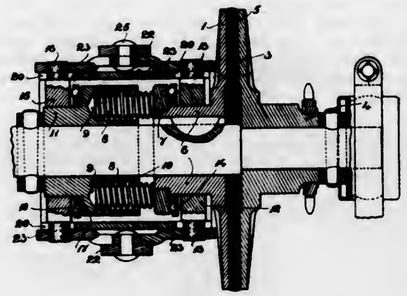


1. In combination with a tooth brush having a bristle head, a holding member adapted to carry a dentifrice container having a nozzle provided with a discharge opening, and pivotal means for connecting the brush to the holding member so positioned that the head may be swung to position the bristles with their free ends arranged along one side of the nozzle adjacent the discharge opening with the opening intermediate the ends of the bristle head so that the brush may receive dentifrice therefrom, or to a position away from the member to allow use of the brush for cleaning purposes.

1,464,251. FRICTION CLUTCH. ERNEST WALTER STARKEY, Birmingham, England, assignor to Charles H. Pugh Limited and George Frederick Bull, Birmingham, England. Filed June 9, 1922. Serial No. 567,155. 1 Claim. (Cl. 192—99.)

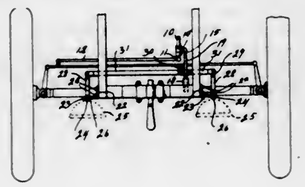
In a power transmission system having a driving and a driven shaft; a friction clutch having clutch springs, a pair of members both mounted upon one of the shafts and located one at either end of the clutch springs, a clutch operating lever, a bifurcated inner end to the said lever, a pair of diametrically opposed pins upon each of the aforesaid members, a cylindrical casing having apertures

in which the aforesaid pins are disposed in order to preserve their alignment, pairs of links connecting the



forked ends of the lever to the pins in such a manner that upon the lever being operated the said members are moved relatively towards each other to disengage the clutch.

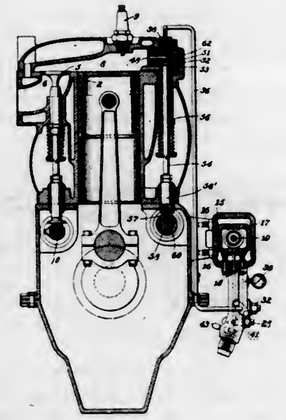
1,464,252. DIRIGIBLE HEADLIGHT. JOHN H. STEPHENSMEIER, St. Louis, Mo. Filed Aug. 24, 1922. Serial No. 584,076. 2 Claims. (Cl. 240—62.)



1. In combination with a vehicle embodying a steering shaft, a frame and the usual steering mechanism including an arm secured to and depending from the steering shaft through medium of which the steering mechanism is operated, of a second arm secured to said steering shaft and extending downwardly therefrom and provided with an offset portion extending forwardly and to one side of the first named arm, a tube pivotally connected to a cross bar of the frame forwardly of said steering shaft, a shaft pivotally connected to the extension of the last named arm and having its forward end extending into the bore of said tube, lamp arms carried by the frame, lamp standards rotatably mounted in said arms and having rearwardly extending angular portions formed upon the lower ends thereof, and links pivotally connected to said arms and to said shaft adjacent the forward end thereof.

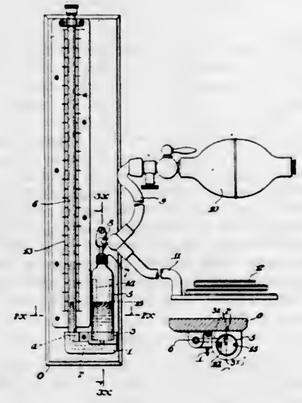
1,464,253. METHOD OF AND STRUCTURE FOR UTILIZING SUPERHEATED LIQUID FUELS. NATHANIEL B. WALES, New York, N. Y. File May 21, 1920. Serial No. 383,235. 1 Claim. (Cl. 123—32.)

A fuel gasifying system for internal combustion engines, comprising a member projecting into the clearance volume of the motor having a central bore opening thereinto and a heating chamber concentric therewith arranged to preheat liquid fuel therein by the heat generated within the clearance volume, means for supplying liquid fuel under pressure, a valve operating to inject measured quan-



tities of said heated fuel under pressure through said bore into the clearance volume, and means for actuating said valve synchronously with the engine crank shaft.

1,464,254. METHOD AND APPARATUS FOR COORDINATING THE PRESSURE COLUMNS OF LIQUID-PRESSURE GAUGES. CARL R. WASEA, Philadelphia, Pa., assignor to Precision Thermometer & Instrument Company, Philadelphia, Pa., a Corporation of Pennsylvania. Filed Jan. 11, 1922. Serial No. 528,362. 1 Claim. (Cl. 73—44.)



A sphygmomanometer having a pressure reservoir adapted for holding a column of liquid with a constant surface area at different levels, a pneumatic pump and band connected with the upper part of said reservoir, a glass reading tube having its axis parallel with the axis of said reservoir and its bottom connected with the bottom of said reservoir, a graduated scale parallel with the axis of and adjacent to said tube and having a datum point in the same horizontal plane as the surfaces of the liquid in the cistern and tube at atmospheric pressure, with the instrument in the vertical position, and a displacement device

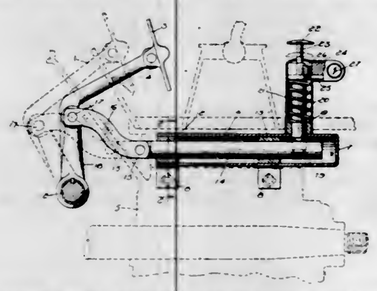
having a constant cross sectional area throughout the range of movement of said liquid therealong affecting the proportionate relation between the cross sectional areas of the liquid columns in the reservoir and the tube that will regulate the movement of the liquid in the tube under pressure in the reservoir in correspondence with the graduations of the scale.

1,464,255. ELECTRICAL HEATING DEVICE. RAUL FEDERICO ZIMMERMANN, Buenos Aires, Argentina. Filed July 14, 1922. Serial No. 574,890. 8 Claims. (Cl. 219—63.)



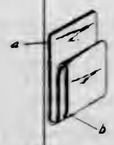
2. An electrical heating element embodying an electrical resistance wire spirally arranged on and covered with dry calcined insulating material and embedded in metal cast thereon, the insulating material being calcine by an electric current passed through the resistance wire before casting the metal thereon.

1,464,256. CLUTCH LOCK FOR MOTOR VEHICLES. LLOYD ARMAND CALAME, Freeport, Ill. Filed Mar. 2, 1922. Serial No. 540,450. 1 Claim. (Cl. 70—128.)



A device of the character described comprising a sleeve adapted to be mounted on a motor vehicle, a shaft mounted for reciprocation within the sleeve, said shaft being adapted for connection with the clutch operating pedal of said motor vehicle, a second sleeve perpendicular to said first named sleeve and communicating therewith, a spring pressed plunger diaposed in said perpendicular sleeve and arranged to be manually projected into said first named sleeve when said shaft is disposed at one end of its reciprocated movement and out of registration with said perpendicular sleeve whereby said shaft may abut said plunger in said perpendicular sleeve and be stopped from further movement in said sleeve, and a lock for securing said plunger down against the action of said spring, said lock being arranged to release said plunger at will.

1,464,257. COLLAR HOOK. HENRY CLAY CLARK, South Norwood, Ohio. Filed Feb. 7, 1922. Serial No. 534,723. 1 Claim. (Cl. 24—101.)



A device of the character described comprising an elongated strip of sheet metal, said strip being folded upon itself at a point substantially midway of its length to provide a finger adapted to be inserted beneath the flap of a neck band on a shirt, the remaining portion being folded upon itself at a point near its transverse center, the extreme end being curved inwardly as shown to take under the lower edge of the inner flap of a collar after being passed through the rear button hole of said collar, said curved end and adjacent portions being narrower than the first named finger and snugly engaging the collar button hole, and said first named finger being curved substantially as shown to conform with the curvature of the vertebræ at the point of contact.

1,464,258. MOLDING AND METAL FASTENER. ISAAC W. COCHRAN, Fremont, Ohio. Filed Apr. 17, 1922. Serial No. 553,360. 3 Claims. (Cl. 20—56.4.)



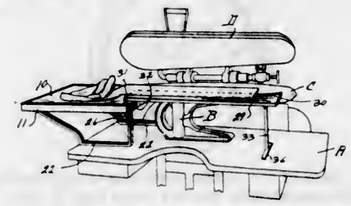
1. In a window pane fastener, a body portion, a flange extending at an acute angle to a face of said portion from one edge thereof, a second flange extending from the other edge of the body portion so as to underlie the face thereof which is at an acute angle to the first mentioned flange and extending toward the first mentioned flange, said last mentioned flange being substantially U-shaped in cross section for receiving a flexible strip, both of said flanges being turned over so as to be disposed on the same side of the body portion.

1,464,259. FREE-CHAIN HOIST. FREDRICK W. CORFING, Perrysville, Ind. Filed Sept. 12, 1922. Serial No. 587,846. 4 Claims. (Cl. 254—135.)



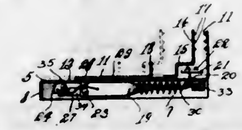
1. A chain hoist having an elongated channel frame including a back wall and side walls provided with longitudinally extending flanges partially closing the open side of the channel, a chain extending through the channel of said frame, said side walls of said channel having extensions at the lower end thereof constituting bearing plates, the bearing plates extending laterally from the open side of the channel frame and driving mechanism mounted on said bearing plates and including a sprocket having teeth engaged with the chain.

1,464,260. SUPPORTING MEANS FOR STEAM-PRESSING MACHINES. GEORGE B. COOVER and HERBERT A. BRUNER, Lamar, Colo. Filed May 6, 1922. Serial No. 558,973. 3 Claims. (Cl. 68—9.)



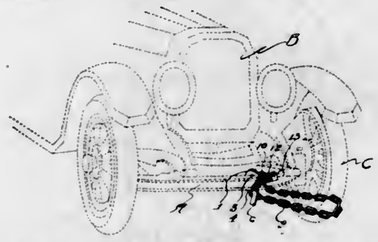
1. In a steam pressing machine, the combination with a cushion and a main table, of an auxiliary table cut away on one end to receive the cushion and having downwardly extending legs whereby it may be mounted upon the main table of the presser, the table being formed in two sections hinged to each other and the legs being hinged to the under face of the table and foldable up against the table.

1,464,261. TRAP. ARVY B. DODSON, Longton, Kans. Filed Nov. 3, 1922. Serial No. 598,852. 7 Claims. (Cl. 43—81.)



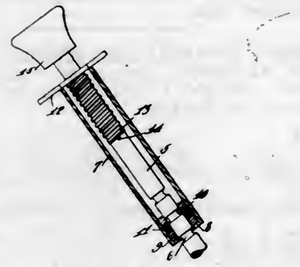
6. A trap of the class described comprising a base portion, said base portion being provided near one end with an elongated slot, a jaw member made integral with the opposite end thereof, a second jaw member slidably mounted on said base portion and being provided with an aperture, a depending flange made integral with the base portion, a trigger member mounted on the depending flange and extending through an opening in said base portion, a platform carried by the opposite end of the trigger member and located between said jaws, a second trigger member mounted on said depending flange, a spring connecting said pivoted trigger members, one of the trigger members being provided with a projection, a finger made integral with the other of said trigger members, said finger being adapted for reception within the aperture formed in said slidable jaw, the second trigger having a notch formed therein for the reception of the projection of the other trigger member, and a coil spring adapted to move said slidable jaw.

1,464,262. LOCK. FRANK M. FISH, Beloit, Wis. Filed Sept. 10, 1921. Serial No. 499,692. 2 Claims. (Cl. 70—90.)



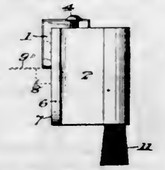
1. In a motor vehicle lock, an axle or frame engaging member comprising spaced arms, a flexible anchoring member having links adapted to engage over said arms, a lock for connection with one of said arms to prevent disconnection of the axle engaging member and flexible member, said axle engaging member provided with a projection between said arms for engagement in the channel of a vehicle axle or frame.

1,464,263. CHOKE ROD. NEWTON C. GARDNER, Cairo, Ill. Filed Mar. 31, 1922. Serial No. 548,547. 1 Claim. (Cl. 74—39.)



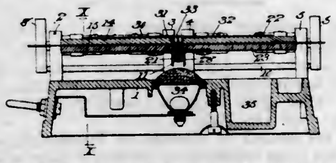
In a device of the character described, a tubular housing, an inwardly extended flange formed at one end of the housing, a washer supported within the housing and contacting with the flange member, a split resilient ring member positioned on the washer, a washer positioned on the split ring member and cooperating with the first mentioned washer to hold the spring ring member in position within the housing, a choke rod having notches formed in the periphery thereof, the notches being disposed in spaced relation with each other, said ring member adapted to move into the notches of the rod to hold the rod in various positions of adjustment, a handle at one end of the rod and resilient means on the rod for restricting movement thereof.

1,464,264. FILM SCRAPER. FREDERICK CLARK GRISWOLD, Port Jefferson, N. Y., assignor to Olive A. Griswold, Port Jefferson, N. Y. Filed Feb. 3, 1922. Serial No. 533,987. 4 Claims. (Cl. 145—47.)



1. A film scraper including a reversible rectangular blade having its periphery developed into eight scraping edge portions, two adjacent each corner, a holder for the blade, and means for securing the blade in the holder with a predetermined scraping edge portion in its operative position with respect to the front of the holder.

1,464,265. FILM SPLICER. FREDERICK CLARK GRISWOLD, Port Jefferson, N. Y., assignor to Olive A. Griswold, Port Jefferson, N. Y. Filed Mar. 22, 1922. Serial No. 545,785. 13 Claims. (Cl. 154—42.)

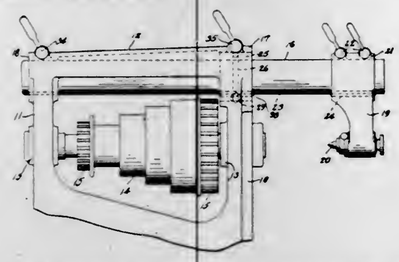


1. In a film splicer, a double shear block, a pair of independently swinging film clamps arranged to alternately coact with the shear block to so trim the film

sections as to leave overlapping ends, and means for automatically moving the clamps laterally away from the shear block to lessen the overlap of the film ends.

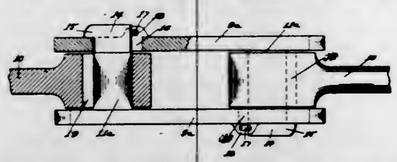
5. In a film splicer, a double shear block, a pair of independently swinging film clamps having cutting blades arranged to alternately coact with the shear block to so trim the film sections as to leave overlapping ends, and a presser blade carried by one film clamp in position to press the overlapping film ends together on the shear block.

1,464,266. OVERHEAD-ARM SUPPORT FOR MILLING MACHINES. THOMAS W. HALL, Torrington, Conn. Filed May 17, 1922. Serial No. 561,624. 12 Claims. (Cl. 90—18.)



1. In a machine of the character described the combination of a support having a bearing, a bushing in said bearing, said bushing and bearing being adapted for relative turning movement, an arm mounted in said bushing, means for securing the bushing to the arm so arranged as to allow relative longitudinal movement between the bushing and arm but prevent relative turning movement therebetween, stop means for limiting relative turning movement between the bearing and bushing in one direction, and means for securing said elements against relative turning movement.

1,464,267. CHAIN-LINK CONSTRUCTION. FREDERICK R. HARRISON, Minneapolis, Minn. Filed May 15, 1922. Serial No. 561,202. 5 Claims. (Cl. 74—32.)



1. A chain link comprising a pair of side plates, trunnion members connecting said plates at the ends of the link, each of said members being rigidly formed at one end with one of the side plates and having its other end flattened and provided with a lug arranged longitudinally with respect to and for engagement with the opposite plate, and means for removably securing said flattened trunnion ends in said opposite side plates consisting of pins arranged on the side of the plate for engagement against said trunnion ends.

1,464,268. ENGINE OPERATED BY LIQUID FUEL AND METHOD OF WORKING THE SAME. KARL OTTO KELLER, Sunderland, England, assignor of one-half to Robert Pile Doxford, Sunderland, Durham, England. Filed Mar. 2, 1922. Serial No. 540,438. 2 Claims. (Cl. 123—32.)

1. In the method of working an internal-combustion engine, the steps consisting of causing a body of air to rotate in the cylinder during the compression stroke about an axis extending lengthwise of the cylinder, and injecting into the rotating body of air a flat fan-shaped jet of fuel-oil spray in such a manner that it forms a curtain which extends into said rotating body of air and



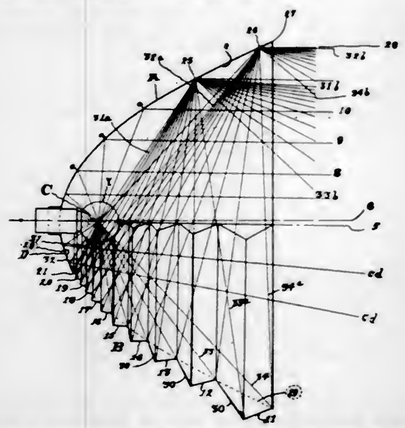
has the plane of the curtain extending lengthwise of that body and substantially parallel to its axis of whirl.

1,464,269. RADIATOR. FRANK G. KRAKAN, Pittsburgh, Pa. Filed Mar. 31, 1921. Serial No. 457,206. 2 Claims. (Cl. 257—129.)



1. A radiator comprising an outside casing, an inner structure including upper and lower walls, closing the upper and lower portions of the casing, a compartment formed on the upper walls, a compartment formed beneath the lower wall, the said compartments and walls being arranged to provide upper and lower water spaces, and vertical tubes connected to the upper and lower walls, some of the tubes extending between the upper and lower compartments, other tubes extending between the upper space and the lower compartment, the said inner structure having side walls parallel with the side walls of the casing to provide vertical passage-ways communicating with the upper and lower spaces at the top and bottom of the said casing.

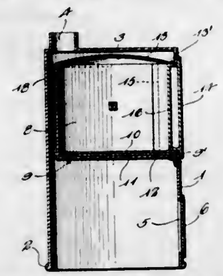
1,464,270. PROJECTION LAMP. ALPHONSUS R. REMARK, Akron, Ohio. Filed Sept. 8, 1920. Serial No. 408,836. 1 Claim. (Cl. 240—41.)



In a projection lamp an upper half having a paraboloidal reflecting surface, a source of light at the focus

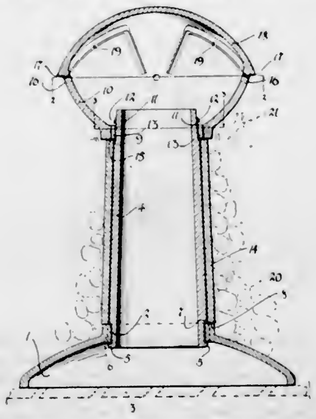
thereof and a lower half comprising a plurality of circumferentially directed, connected, reflecting surfaces arranged in step-like formation, each of which corresponds to a portion of the surface of a cone coaxially arranged in respect to the axis of the lamp; each of said last named reflecting surfaces being of the proper pitch and of the proper width to deflect the rays proceeding thereto from the source of light to a pre-determined area on the upper reflecting surface substantially as and for the purpose herein set forth.

1,464,271. CAMP STOVE. MORRIS ROTSTEIN and ROBERT NICHOLSON, Vicksburg, Miss. Filed Aug. 17, 1922. Serial No. 582,477. 1 Claim. (Cl. 126—273.)



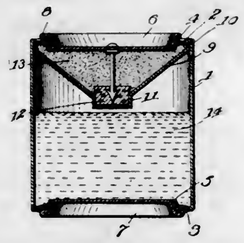
An oven comprising a casing having walls provided with a doorway and at its upper end having a head provided with a products of combustion outlet, a baking chamber in said casing spaced from the walls and top thereof and having a top, a bottom, and side walls, the top and bottom being provided with lip extensions engaging said casing at the upper and lower ends of said doorway and having a width equal to the doorway and the walls of the baking chamber having their end portions bent to provide flanges extending along the sides of the lip extensions and engaging the casing at the sides of the doorway to provide with the lip extensions a mouth portion for the baking chamber and a closure door for the doorway having a reduced hollow portion extending from its inner face for fitting into the doorway and filling the mouth portion of the baking chamber and having close fitting engagement with said lip extensions and flanges.

1,464,272. FURNACE APPLIANCE. ORNAN L. RUNDELL, Chicago, Ill. Filed Jan. 19, 1922. Serial No. 530,373. 3 Claims. (Cl. 110—95.)



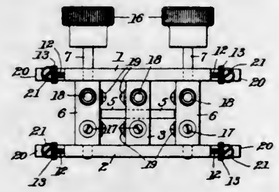
1. A device of the character described comprising a base having a concave surface adapted to be supported upon a fire grate with its concave surface adjacent said fire grate, said base having an opening centrally located therethrough, a tubular member arranged to be secured in a vertical position on said base and having its lower end in registration with the opening through said base, a heat insulating sleeve disposed concentric said tubular member, and a substantially spherical distributing member removably supported upon said tubular member at its upper end for distributing any gases which may rise through said tubular member from below said grate.

1,464,273. CONTAINER. SIEGFRIED SCHOPFLOCHER, Montreal, Quebec, Canada. Filed Mar. 15, 1922. Serial No. 543,977. 5 Claims. (Cl. 220—23.)



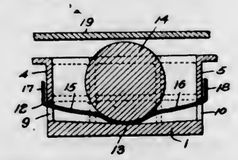
1. A mixing receptacle having its opposite ends open, closure means for the same, a shell-like frustro-conical body fixedly arranged within the receptacle having an opening formed in the free portion thereof, a closure for said opening in the shell-like body, and means for connecting said last mentioned closure to one of the closures of said receptacle.

1,464,274. CONNECTOR FOR RADIO EQUIPMENT. SAMUEL STORCH, Brooklyn, N. Y., assignor of one-third to Solomon E. Tepper and one-third to David Berwick, both of Brooklyn, N. Y. Filed May 15, 1922. Serial No. 561,163. 4 Claims. (Cl. 171—119.)



1. In a connector, the combination with a bracket having spaced members, of a connector block mounted between said members, trunnions on said block engaging said members, means for turning the block in the bracket, a clamping slide mounted in one of said members to engage its trunnion, and means for forcing said slide against said trunnion for frictionally holding the block in adjusted position.

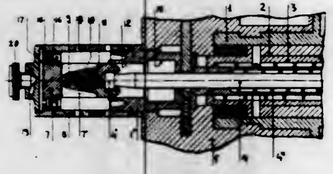
1,464,275. ROLLER SIDE BEARING. ARNOLD STUCKI, Pittsburgh, Pa. Filed May 12, 1922. Serial No. 560,336. 5 Claims. (Cl. 64—64.)



1. A side bearing for lower bolsters of railway cars comprising a housing, a spring bearing plate positioned therein, a free roller resting loosely upon the bearing plate,

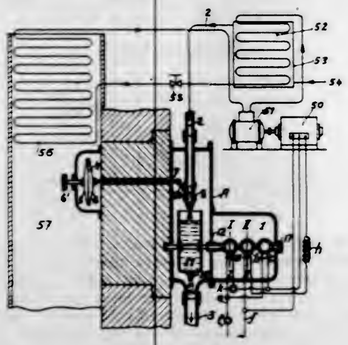
the intermediate portion of the spring bearing plate being concave to correspond substantially to the curvature of the periphery of the roller so as to receive the roller and retain the same in centered position when the roller is out of contact with the car body.

1,464,276. AUTOMATIC FIREARM. GUSTAVO VINÇON, Turin, Italy. Filed Apr. 23, 1923. Serial No. 634,071. 7 Claims. (Cl. 89—2.)



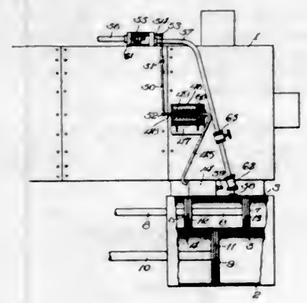
6. In an automatic fire arm, the combination, with a recoil-operated striker and a spring for effecting the firing stroke thereof, of a piston, a detent carried by the piston and comprising a pair of coacting jaws, means for automatically closing said jaws against the striker at a predetermined point in the recoil stroke of the striker to cause a movement of the latter and the piston as a unit during the remainder of said stroke, and means for effecting an automatic opening of the jaws and consequent disengagement of the striker at a predetermined point in its firing stroke to enable said striker to complete the stroke alone.

1,464,277. REFRIGERATING MACHINE. HANS GUYER and EDUARD RÜEGGER, Zurich, Switzerland, assignors to Aktiengesellschaft der Maschinenfabriken Escher Wyss & Cie., Zurich, Switzerland. Filed May 8, 1922. Serial No. 559,338. 5 Claims. (Cl. 62—4.)



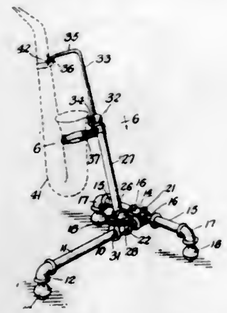
1. In a refrigerating installation including a condenser cooled by flowing water, and a compressor; a single phase motor having an auxiliary winding and arranged to drive said compressor, a controlling switch for the driving motor comprising at least two automatically operable contact devices independent of one another, one of said contact devices for cutting in and out the main circuit of said motor, the other contact device being traversed by the auxiliary current of the motor when the latter is started and automatically causing an interruption of said auxiliary current after the expiration of the starting period, means to influence said controlling switch in dependency on the cooling water discharged from the condenser, means controlling the outflow of the cooling water from the condenser, and a thermostat element subjected to the temperature of the produced cold and mechanically connected to the means controlling the quantity of water discharged from the condenser.

1,464,278. AUTOMATIC DRIFTING DEVICE FOR LOCOMOTIVES. BYRON L. HANSON, Chicago, Ill. Filed Apr. 23, 1920. Serial No. 376,065. 3 Claims. (Cl. 121—137.)



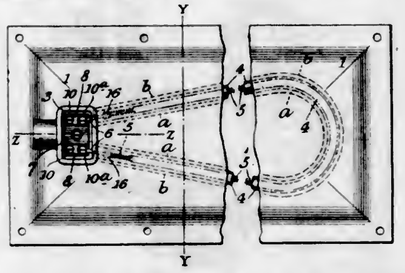
1. In a reciprocating steam engine provided with the usual steam chest, the combination of an auxiliary steam supply line leading to the steam chest, a valve interposed in the steam supply line, a casing supported adjacent to the valve chest and divided by a transverse partition into a reservoir for a pressure fluid and a valve chamber communicating at one end with the steam chest, said valve chamber being divided by a transverse partition into two compartments and said first named partition being formed with a passage therethrough, leading from the storage reservoir to the compartment of the valve chamber remote from the steam chest, a valve controlling the passage of a pressure fluid from the storage reservoir into the upper compartment of the valve chamber, a differential piston valve operatively connected with the last named valve, and means arranged between the valve in the steam supply line and the compartment of the valve chamber remote from the steam chest for controlling the operation of the former, said last named means being arranged to be actuated by the pressure fluid passing through the said compartment at times to occasion the opening of the valve in the steam supply line.

1,464,279. MUSICAL-INSTRUMENT SUPPORT. CHARLES T. HINDLEY, New York, N. Y. Filed Dec. 20, 1921. Serial No. 523,607. 5 Claims. (Cl. 248—40.)



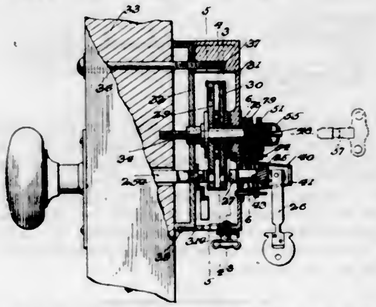
2. A device of the class described comprising a base frame composed of a rod and cross rod, a standard movably mounted in connection with the rod of the base frame, said rod and cross rod being provided with legs having casters, and said cross rod being composed of separate parts movably mounted in connection with said first named rod and adapted to be moved into positions parallel with said rod.

1,464,280. ELECTRIC HEATER. LEE P. HYNES, Albany, N. Y., assignor to Consolidated Car-Heating Company, Albany, N. Y., a Corporation of West Virginia. Filed Jan. 25, 1922. Serial No. 531,618. 34 Claims. (Cl. 219—34.)



1. An electric heater comprising a refractory insulating duct having outgoing and return portions terminating at the same end of the heater, and a separable flexible heating coil adapted to be inserted in or removed from the said duct.

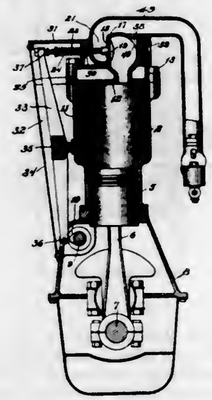
1,464,281. COMBINATION LOCK. WILLIAM HENRY JAY, Mobridge, S. Dak. Filed Sept. 21, 1922. Serial No. 589,675. 5 Claims. (Cl. 70—53.)



1. A lock including an axially shiftable and rotatable actuating member having a hinged piece at one end, forward and rear apertured discs through the apertures of which said member is shiftable, a sleeve on which said discs are mounted in spaced independently rotatable relation, having a member frictionally engageable with the rear disc, a non-rotatable stem on which said sleeve is mounted, a second sleeve on the first sleeve having a member frictionally engageable with the forward disc, a casing having a dial beyond which the outer ends of said sleeves project, pointers connected to said sleeves and movable on the dial, means working on said stem to adjust said frictional engaging members of the sleeves with respect to the said discs—said rear disc having a number of recesses and a single opening in an annular series and said forward disc having a single opening adapted to register with the opening and recesses of the rear disc, and a shield in front of the forward disc and secured to and rotatable with the rear disc, having an annular series of apertures opposite to the opening and recesses of the rear disc.

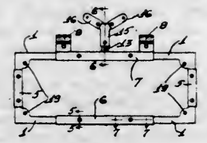
1,464,282. INTERNAL-COMBUSTION MOTOR. ROBERT KLOSSNER, Alliance, Ohio. Filed July 14, 1922. Serial No. 575,024. 2 Claims. (Cl. 123—65.)

1. In an internal combustion motor, the combination with upright cylinders, and pistons operating in said cylinders, of a detachable head common to said cylinders, said head having a combined combustion and exhaust chamber for each cylinder, said chamber comprising a narrow cavity having substantially parallel and vertical side walls, said cavity being of a length equal to the diameter of the cylinder and of a width less than the diameter of the cylinder and having a slot-like base portion communicating with the top of the cylinder between the center and one side thereof, one side wall of said chamber having horizontal inlet and exhaust passages communicating therewith and the other side wall of said chamber having openings arranged opposite said passages, said chamber being provided with hemispherical recesses intersecting said openings and having its top and bottom walls curved on arcs continuous with said recesses and providing a chamber of nearly spherical form broken in spherical outline contour by the vertical wall in which



said inlet and exhaust passage is formed, horizontal inlet and exhaust valves controlling said passages and slidably mounted in the first-named side wall and insertable and removable through the openings in the second-named side wall, the latter-named wall being provided with recesses located within the plane of the openings to receive and allow the valves to lie when in fully open position within the plane of said wall, the said passages extending downwardly from the top of the head outwardly beyond the vertical plane of the first-named side wall and thence opening laterally therethrough into said chamber, detachable closures for said openings, means for operating said valves, and intake and exhaust manifolds superimposed upon the heads and having neck portions communicating with said passages.

1,464,283. ADJUSTABLE LICENSE-PLATE SUPPORT. LOUIS KRAJESKI, Chicago, Ill. Filed July 3, 1922. Serial No. 572,366. 5 Claims. (Cl. 40—125.)

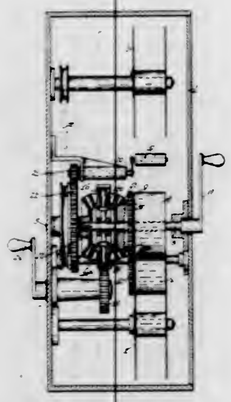


4. A license plate support comprising an extensible frame adapted for receiving and sustaining a license plate and having an auxiliary support for sustaining a license tag.

1,464,284. CINEMATOGRAPHIC APPARATUS. VÁCLAV KRIEGERBECK and JINDŘICH BAUTZ, Prague, Czechoslovakia. Filed Jan. 14, 1922. Serial No. 529,349. 2 Claims. (Cl. 88—18.6.)

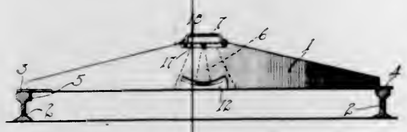
1. A combined feeding and framing mechanism for cinematographic apparatus including a window having an aperture through which films may be viewed, an unwinding

reel and a winding reel, a strip of film adapted to be unwound from the unwinding reel and wound on the winding reel, means for guiding said film strip adjacent to said window, a pair of continuously driven smooth surfaced rollers adapted to grip the film, a beating roller adapted



to contact with the film and feed the same step by step, driving means for said beating roller and means including an adjustable differential mechanism interposed between said driving means and pair of rollers, whereby the film strip may be framed in said window.

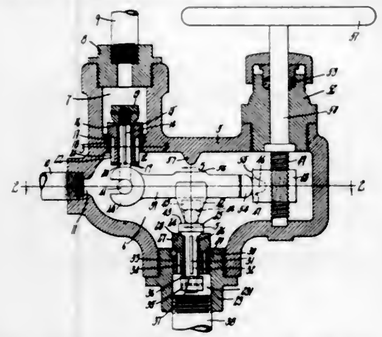
1,464,285. TRACK LEVEL. CHARLES M. LONG, Chicago, Ill. Filed Aug. 31, 1922. Serial No. 585,501. 1 Claim. (Cl. 33—145.)



A track level comprising a frame adapted to straddle the rails of a track, plates carried by the ends of said frame and being adapted to rest on the rails of the track, one of said plates having downwardly extending lugs adapted to abut the inner side of one of said rails, so as to position the frame at right angles to the rails, said frame having an opening therein and a notch in the upper edge thereof, an indicating arm or weight disposed in said opening and having pins disposed in said notch, and a block disposed in said opening and spaced from said frame to provide a slot between the block and the frame, said block extending laterally beyond the sides of the frame and being provided with a scale on its upper surface, and a pin carried by the arm on each side thereof, and arranged to project through the slot above the scale.

1,464,286. HYDRAULIC VALVE. EMIL O. LUNDBLAD, Wakefield, Mass. Filed July 27, 1922. Serial No. 577,885. 19 Claims. (Cl. 138—16.)

1. In a device of the character described having, in combination, a casing provided with a pressure chamber having an inlet passage, an outlet passage and an exhaust passage communicating therewith, a valve for said inlet passage, a valve for said exhaust passage, a lever located within said pressure chamber and operatively connected



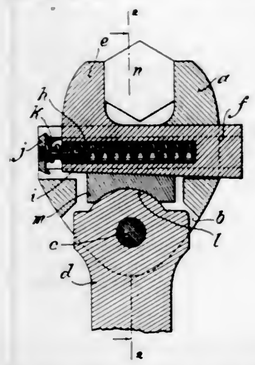
to both of said valves, and means to rock said lever and open separately either of said valves, each of said valves being adapted to be closed by the pressure of fluid thereon.

1,464,287. ADJUSTABLE PIPE WRENCH. BERT MARGASON, Indianapolis, Ind. Filed Feb. 18, 1921. Serial No. 446,165. 3 Claims. (Cl. 81—106.)



1. A pipe wrench including a main jaw head having a slot extending transversely therethrough, one face of the head adjacent to the slot having teeth thereon, a clamp bar movably arranged on the said face of the head and having teeth to engage the teeth thereon, the clamp bar having a pivot ear thereon extending into said slot, and a curved jaw provided with a curved shank extending into said slot from the opposite face of the head and pivotally connected to said ear within said slot.

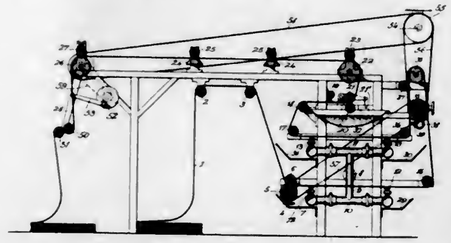
1,464,288. WRENCH. KARL MÜLLER, Kreiensen, Germany. Filed Mar. 22, 1923. Serial No. 626,982. 2 Claims. (Cl. 81—148.)



2. A wrench including a relatively stationary jaw provided with a guideway, a relatively shiftable jaw having an arm movably mounted in said guideway, a spring for moving the shiftable jaw in one direction, a locking block for said arm, said arm and locking block being provided with contacting surfaces arranged at an incline to the

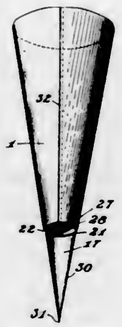
direction of movement of the shiftable movement of the shiftable arm, and a handle pivotally connected to the relatively stationary jaw and provided with a cam engaging said block for moving the latter.

1,464,289. PROCESS AND DEVICE FOR REMOVING THE CONNECTING THREADS IN EMBROIDERED FABRICS. FRITZ NÄNNY, Herisau, Switzerland. Filed Aug. 29, 1921. Serial No. 496,431. 14 Claims. (Cl. 26—14.) (Granted under the provisions of the act of Mar. 3, 1921, 41 Stat. L., 1313.)



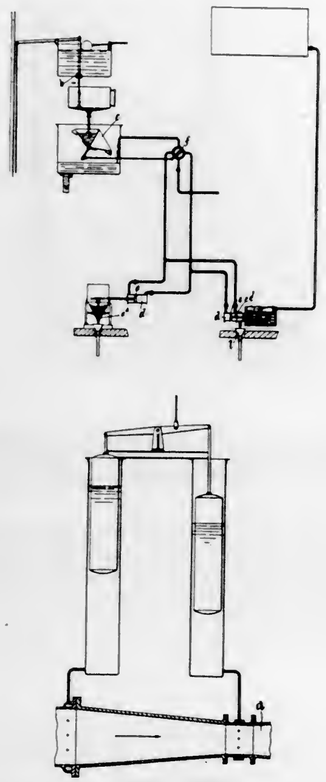
1. A process for removing the connecting threads from embroidered fabrics, which comprises stretching the embroidered fabric between supporting means, raising the connecting threads while so supported, maintaining the threads so raised while between said supporting means and burning the raised threads.

1,464,290. VASE FOR CEMETERIES. ROBERT I. ORR, St. Elmo, Tenn., assignor of one-third to Lowry H. Lamb, jr., St. Elmo, Tenn., and one-third to L. Jack Spence, Chattanooga, Tenn. Filed July 13, 1922. Serial No. 574,709. 6 Claims. (Cl. 220—62.)



1. A sector shaped blank composed of a single piece of sheet metal adapted to form a cone shaped flower vase comprising a body portion and a prong portion integral with said body portion; said prong portion provided with a pair of flaps separated from said body portion by slits having curved upper edges and terminating in circular holes, and said body portion provided with a circular upper edge and a pair of straight side edges adapted to form interlocking seam portions terminating at their lower ends at said slits, and having said lower end portions cut away to shorten the length of the formed seam; said curved slit edges adapted to be turned up to form a support for the bottom of the finished vase, and said flaps adapted to be folded onto said integral prong portion to protect and stiffen the same, substantially as described.

1,464,291. APPARATUS FOR TREATING LIQUIDS WITH CHEMICAL REAGENTS. WILLIAM PATERSON, London, England. Filed Sept. 20, 1922. Serial No. 589,451. 8 Claims. (Cl. 210—31.)



1. Apparatus for the treatment of a liquid with a chemical reagent, comprising in combination means for measuring the flow of liquid to be treated, a secondary liquid supply the flow of which is proportionally controlled by said measuring means, and means whereby said secondary liquid supply may effect the proportional addition of reagent to the main flow of liquid.

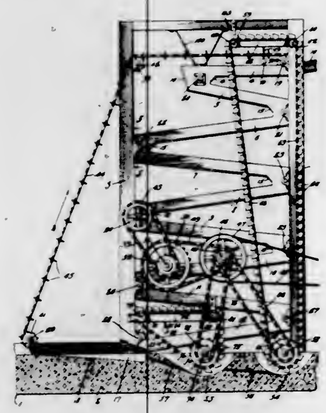
1,464,292. PROCESS OF PRODUCING BORON NITRIDE. SAMUEL PEACOCK, Wheeling, W. Va., assignor to Willis G. Waldo, Washington, D. C. Filed Dec. 8, 1921. Serial No. 520,994. 4 Claims. (Cl. 23—13.)

1. The process of producing boron nitride which consists in heating boron oxide in an atmosphere of nitrogen to a temperature at which it will react with elemental sodium; and adding sodium to the hot oxide to form the desired nitride, substantially as described.

1,464,293. AMALGAMATING MILL. DAVID L. PENROD, Hooper, Utah. Filed Apr. 28, 1922. Serial No. 557,167. 3 Claims. (Cl. 23—67.)

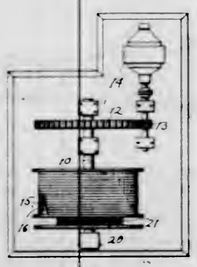
1. In a device of the class described, a frame; a basin located at the lower end of the frame arranged in zigzag relation; superposed inclined baffles on the frame, the

lowermost baffle discharging into the basin; a conveyor mounted on the frame and traversing the baffles; a distributor disposed above the uppermost baffle; a receptacle



at the lower end of the frame and communicating with the basin; and means for elevating the contents of the receptacle and discharging the same into the distributor.

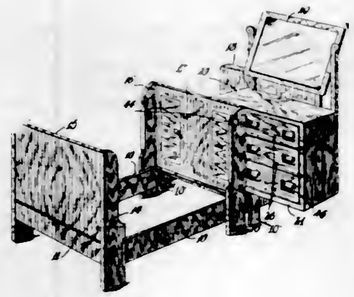
1,464,294. COUNTERBALANCED HOISTING MECHANISM. ARTHUR G. REESE, Cleveland, Ohio, assignor to The Wellman-Seaver-Morgan Company, Cleveland, Ohio, a Corporation of Ohio. Filed May 15, 1919. Serial No. 297,273. 2 Claims. (Cl. 254—178.)



1. In a hoisting mechanism for deep shaft hoisting, the combination of a drum, a reel, and means adapted to operate at approximately constant speed for rotating them in unison, a rope which is secured to and wound helically and in uniform layers upon the drum in one direction, a load carrier secured to the end of said rope, a flat rope which is secured to and is wound spirally in the opposite direction upon said reel, and a counterweight fixed to the end of said flat rope.

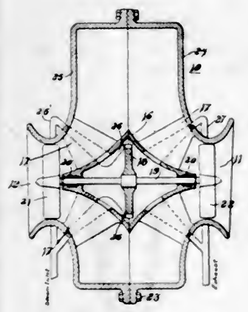
1,464,295. COMBINATION BED, DRESSER, AND CHIFFONIER. ANTONINA RYBICKY, New London, Conn. Filed Nov. 16, 1922. Serial No. 601,245. 4 Claims. (Cl. 5—2.)

1. An article of furniture comprising a bed-frame including a head-board and a horizontal element projected beyond said head-board, and a dresser slidably supported on said horizontal element, said dresser comprising an outer shell, an inner casing of less width than said shell



and adapted to adjusted contact with either side wall of said shell, and drawers supported by said inner casing.

1,464,296. FLUID PUMP. GUSTAVO A. SACCHI, Pittsburgh, Pa., assignor to Westinghouse Electric and Manufacturing Company, a Corporation of Pennsylvania. Filed July 14, 1921. Serial No. 484,640. 7 Claims. (Cl. 230—11.)

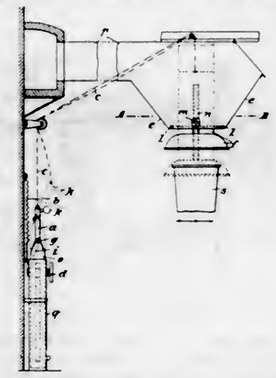


1. A pump of the character designated comprising a pump chamber, a motor casing within the pump chamber, and one or more hollow guide vanes extending between the pump chamber and the motor casing, said vane or vanes being adapted to communicate with the interior of the motor casing.

1,464,297. SMOKE-DISCHARGING MEANS FOR LOCOMOTIVES AND THE LIKE. LUDWIG SCHODDER, Herford, Germany, assignor to Carl Wittenborg, Herford, Westphalia, Germany. Filed Oct. 4, 1922. Serial No. 592,440. 7 Claims. (Cl. 104—5.2.)

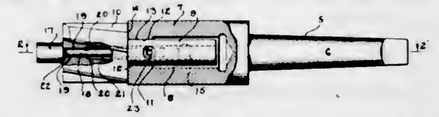
3. In a smoke catching device, in combination, a horizontally movable chimney, a vertically reciprocable hood, adapted for engagement with the top of said chimney, a surrounding casing spacedly enclosing part of said hood, and means on said hood for the swinging suspension of said hood on said casing, a smoke discharge passage on said hood, an overbalancing counter weight, and a flexible connection between said counter weight and said hood, a

tiltable locking member on said flexible connection, means of vertically reciprocating said counter weight, and a



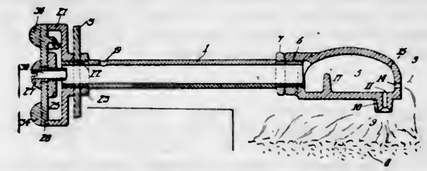
stationary locking member, adapted for engagement with said tiltable locking member in the complete seating position of said hood upon the top of said chimney.

1,464,298. TOOL. FREDRICK W. STEIN, Kenosha, Wis., assignor of one-half to James Gibbons, Milwaukee, Wis. Filed Mar. 20, 1922. Serial No. 545,083. 3 Claims. (Cl. 77—58.)



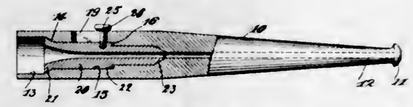
1. A tool of the character described, comprising a shank portion having a central tool shank receiving bore communicating with its outer end face, opposite sides of said bore being flattened adjacent the outer end thereof to provide driving surfaces, that portion of the bore inwardly of the driving surfaces being circular in cross section and of a diameter equal to that of the bore points intermediate the driving surfaces, a tool member having a shank of reduced diameter to provide a shoulder for engagement with the shank portion end face, said tool member shank having its opposite sides flattened to provide drive surfaces engageable with the shank portion bore driving surfaces, that portion of the tool member shank intermediate its drive surfaces being circular to fit the circular portion of the bore throughout its length whereby the tool member is centered with respect to said shank portion, and means for securing the tool shank in the shank portion bore.

1,464,299. COAL-GAS CARBURETOR. HENRY SWARTZ, Philadelphia, Pa. Original application filed Feb. 3, 1921, Serial No. 442,218. Divided and this application filed Dec. 17, 1921. Serial No. 523,152. 5 Claims. (Cl. 110—75.)



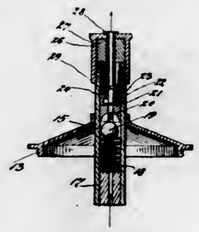
1. In a coal gas carburetor; the combination with a tubular air conduit having an external screw thread at each end thereof, and an aperture intermediate of its ends, adapted to communicate with the interior of a furnace inclosure; of means arranged to rigidly connect said conduit with an opening in a furnace inclosure including a jam nut; a mixing chamber at the inner end of said conduit of larger cross sectional arear than said conduit; a valve casing having a screw thread connecting it with the outer end of said conduit, and having a cross bar with an axial screw bearing in coaxial relation with said conduit; a rotary valve having an axial bearing in coaxial relation with said cross bar bearing; a pivot screw extending in said bearings and having a head exterior to said valve, adapted to retain the latter in cooperative relation with said casing; means arranged to continually admit a predetermined air supply, including a port extending through said pivot screw from the outer atmosphere into said valve casing; said valve having auxiliary ports adapted to be closed by said cross bar, in one position of rotation with respect to said valve casing and to be opened more or less in accordance with the position of rotation of said valve; and means arranged to limit the rotary movement of said valve, including a rib projecting from the inner face thereof, arranged to encounter said cross bar.

1,464,300. CIGARETTE AND CIGAR HOLDER. FREDERICK N. TAFF, Millington, N. J. Filed Apr. 18, 1922. Serial No. 554,857. 3 Claims. (Cl. 131—10.)



1. A holder for cigarettes or cigars provided with a spiral slot, and having an interior annular socket with an inclined wall, a cup shaped recess beyond said socket and an intermediate passage way, an ejector fitting therein and provided with an inclined head to seat into said annular socket and having its inner end inclined to seat into said cup shaped recess, and a stud passing through said spiral slot in the holder with its inner end removably secured to the ejector.

1,464,301. FILLER CAP FOR OIL TANKS. WILLIAM H. THOMPSON, Minturn, Colo. Filed Sept. 2, 1920. Serial No. 407,795. 3 Claims. (Cl. 284—19.)

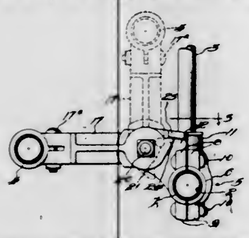


1. In a tank closure the combination of an air valve comprising a cylindrical housing, a normally spring closed valve member within said housing, a reciprocating tubular air passage closed by said valve member when same is seated, said air passage having lateral ports which are opened when said valve is unseated, and means for adjustably operating said air passage.

1,464,302. FARROWING RAIL. WILLIAM L. WEINTZ, Ottawa, Ill., assignor to J. E. Porter Corporation, Ottawa, Ill., a Corporation of Illinois. Filed Sept. 5, 1922. Serial No. 586,077. 9 Claims. (Cl. 119—16.)

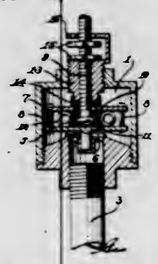
1. The combination with a pen wall, of a farrowing rail, means providing pivotal connection for said rail with

said wall to permit raising and lowering of said rail, and means for locking said rail in either raised or lowered



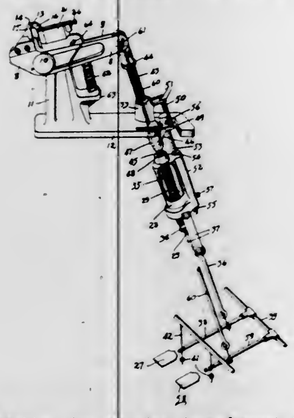
position and being released upon moving said rail endwise in one direction.

1,464,303. VALVE. GEORGE P. WHITELAW, 2d, St. Louis, Mo. Filed Aug. 19, 1920. Serial No. 404,616. 4 Claims. (Cl. 251—20.)



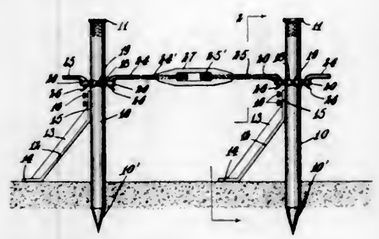
3. A valve seat, a valve therefor, a plate secured to said valve and spaced therefrom to form a housing, said plate having a hole therein, a vale operating stem passing through said hole, said stem having an enlarged end portion within said housing provided with a circumferential knife-edge, and an annular helical spring in said housing and engaging said enlarged end portion of said operating stem.

1,464,304. FILAMENT CLAMPER. JAMES BRYANT WHITMORE and JOHN EBLING FERGUSON, Bloomfield, N. J., assignors to Westinghouse Lamp Company, a Corporation of Pennsylvania. Filed Sept. 3, 1921. Serial No. 498,433. 33 Claims. (Cl. 176—3.)



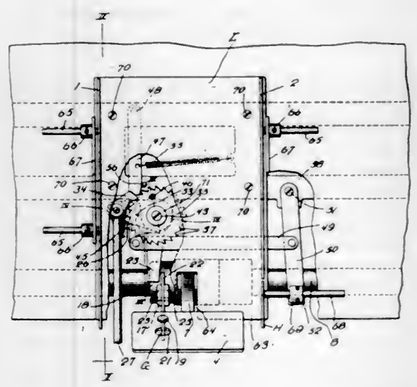
1. A machine for securing incandescent lamp filaments to leading-in wires, comprising a pair of jaws and means for causing an impact of a predetermined pressure between said jaws.

1,464,305. PORTABLE FENCE. CONSTANTINE A. WILKEY, Perth Amboy, N. J. Filed Mar. 2, 1922. Serial No. 540,414. 1 Claim. (Cl. 256—24.)



A fence comprising posts made up of superposed tubular sections of progressively decreased diameter, the upper sections being screwed into the lower sections, rods having hooked ends engaging around upper ones of said sections and resting on the top of adjacent lower sections, and turnbuckles engaged with said rods.

1,464,306. FEELER AND COUNTER MECHANISM FOR ENVELOPE-MAKING MACHINES. ADDISON E. AUGUSTINE, Hackensack, N. J., assignor to Chester Machine Co. Inc., New York, N. Y., a Corporation of New York. Filed Nov. 18, 1919. Serial No. 338,816. 9 Claims. (Cl. 93—93.)

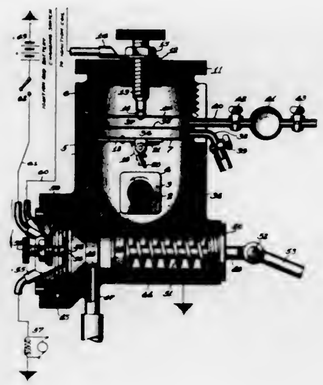


1. In a mechanism of the class described, means for receiving succeeding envelopes, and for moving the envelopes from one position to another, a feeler arranged to be operated by each envelope received, a counter wheel, a rocker, means to oscillate the rocker for rotating the counter wheel step by step, a counter operated by the counter wheel, and means whereby the oscillation of the rocker is controlled by the feeler.

1,464,307. IGNITION DEVICE. CLAUDE A. BOWLUS, Birmingham, Mich. Filed Apr. 21, 1921. Serial No. 463,214. 16 Claims. (Cl. 123—117.)

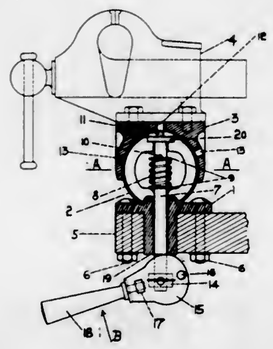
1. In an electric circuit controlling device, the combination of contact members adapted to engage each other, a chamber having flexible walls one of which supports one of said contact members, a body in said chamber

controlling the flexibility of the chamber walls, and means active against the other chamber wall and effective



through said body for flexing the chamber wall provided with a contact member to control the circuit including both of said contact members.

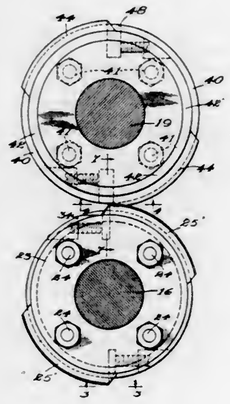
1,464,308. UNIVERSAL SUPPORT. ALFRED COPONY, Mount Clemens, and FERDINAND ZIGANEK, Detroit, Mich. Filed Sept. 4, 1920. Serial No. 408,199. 9 Claims. (Cl. 81—41.)



1. In a universal support, the combination of a top plate with an internal spherical recess, a spherical, laterally expandable, vertically compressible, deformable base, a base plate to support said deformable base and means for deforming said spherical base to lockably engage by friction the interior spherical recess of said top plate.

1,464,309. SHEET-SLOTTING STRUCTURE. HARRY A. CUMFER, Chicago, Ill., assignor to Guyton & Cumfer Mfg. Co., a Corporation of Illinois. Filed Aug. 29, 1921. Serial No. 496,196. 3 Claims. (Cl. 164—70.)

1. Means for cutting spaced-apart slots in a moving sheet comprising a pair of heads to be mounted on parallel shafts; a pair of radially adjustable shearing blades mounted on each side of each head cooperating to cut a

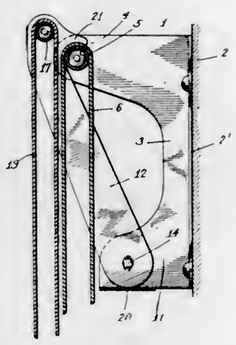


slot; means to clamp the blades to the heads and a knife extending transversely of the blades to sever the tongues cut from the slots.

1,464,310. SIZING SOLUTION AND METHOD OF MAKING THE SAME. JUDSON A. DE CEW, New York, N. Y., assignor to Process Engineers, Inc., New York, N. Y., a Corporation of New York. Filed Feb. 26, 1920. Serial No. 361,430. Renewed Dec. 15, 1922. 3 Claims. (Cl. 134—21.)

2. A method of making paper sizing solution which consists in diluting a hot rosin soap in a cold solution of a cellulosic product.

1,464,311. RACK FOR TOWELS, ETC. EINAR B. ERIKSEN, Brooklyn, N. Y., assignor to Bjornulf Johnsen, Brooklyn, N. Y. Filed Feb. 18, 1921. Serial No. 446,095. 8 Claims. (Cl. 45—32.)



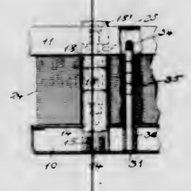
1. In a rack for towels and other articles, the combination of supporting means, a horizontal rod fixedly secured thereto, adapted to have flexible articles hung over the same, arms non-removably pivoted to said supporting means, a horizontal rod carried by the free ends of said arms, said supporting means having abutment means to support said arms in a lower forwardly extending posi-

tion whenever said arms are swung downwardly and said arms being adapted to swing upwardly and rearwardly into an upright position in which articles on said second rod will entirely conceal articles hung on said first rod, the parts being so arranged that said second rod, in its raised position, will be at a height at least equal to that of said first rod, and impositive locking means for removably securing said arms in such upright position.

1,464,312. ELECTRICAL-RESISTANCE ELEMENT. FRANK A. FAHRENWALD, Cleveland, Ohio. Filed Sept. 30, 1921. Serial No. 504,439. 4 Claims. (Cl. 219—76.)

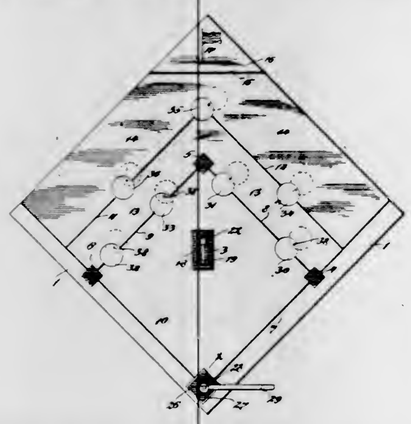
1. An electrical resistance element made of an alloy of iron with between ten and twenty-five per cent of chromium and from one to five per cent of one or more metals of the titanium group in the periodic table whose atomic weight is less than 100.

1,464,313. LOOSE-LEAF BINDER. JOSEPH M. GARDINER, Baltimore, Md. Filed Mar. 14, 1921. Serial No. 452,073. 12 Claims. (Cl. 129—12.)



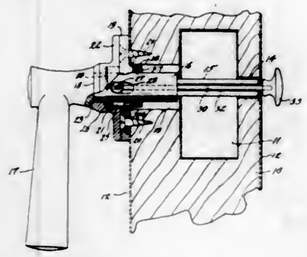
2. In a loose leaf binder the combination with two clamping bars each carrying a hinged back, of post bases attached to one of said bars, detachable post sections designed to be mounted on each post-base, means for locking the sections against rotation with respect to the post-base and means for rigidly securing the sections to the base.

1,464,314. GAME APPARATUS. JOHN C. GATES, Indianapolis, Ind. Filed July 21, 1920. Serial No. 397,893. 2 Claims. (Cl. 46—59.)



1. In a game apparatus, a field having stations indicated thereon, and ball receiving discs eccentrically pivoted on said field whereby they may be swung around to vary their positions relative to said stations, and two oppositely located stations; combined with a hand operable ball projector, and a hand operable ball batting means, said projector and batting means adapted to be removably held on said oppositely located stations, and a collapsible ball, and a plurality of disc counters.

1,464,315. LOCKING HANDLE FOR VEHICLE DOORS. LOUIS W. GATES, New Haven, Conn., assignor to C. Cowles and Company, New Haven, Conn., a Corporation of Connecticut. Filed Sept. 20, 1921. Serial No. 502,033. 6 Claims. (Cl. 292—359.)



1. A door lock comprising a lock operating spindle mounted to turn in the door, a stationary member secured to the outside of the door, a locking bar mounted in the spindle and adapted for movement to and from engagement with the stationary member to lock and unlock the spindle, and means on the interior of the door for moving the locking bar to either position.

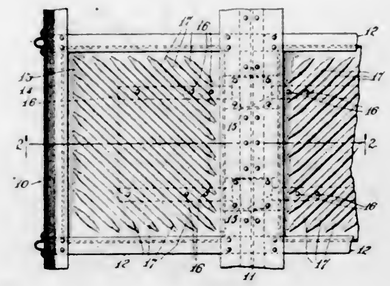
1,464,316. ANTIFRICTION BEARING. ALEXANDER J. GILLESPIE, Cleveland, Ohio. Filed Sept. 13, 1920. Serial No. 409,873. 15 Claims. (Cl. 64—36.)



15. In a ball bearing, the combination with a pair of rings each provided with a deep groove or race track, of a set of balls located therein, one of the rings being made in two separate parts dividing on a plane cutting the bottom of the groove, such ring parts being so fashioned that they possess a certain amount of resiliency or yieldability in the portions immediately supporting the race track or immediately supporting the portion of the groove upon which the balls track, whereby this may yield incident to overload thereby moving the line upon which the balls track up the side of the groove away from the bottom so that the line running from point

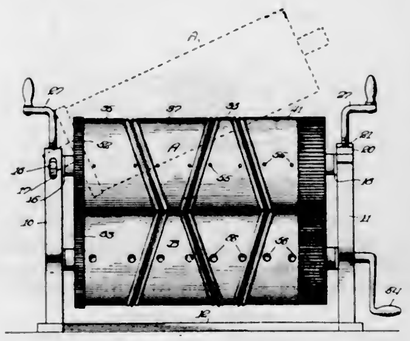
contact with one race to point contact with the other race assumes a greater angle to the radial line of the bearing than is present in the ordinary deep groove ball bearing.

1,464,317. DUMP-CAR DOOR. GARTH G. GILPIN, Riverside, Ill., assignor to Union Metal Products Company, Chicago, Ill., a Corporation of Delaware. Division of application Serial No. 320,792, filed Aug. 30, 1919 (Patent No. 1,380,055), through applications Serial No. 459,305, filed Apr. 7, 1921 (Patent No. 1,436,310), and Serial No. 570,245, filed June 22, 1922. This application filed Oct. 10, 1922. Serial No. 593,505. 2 Claims. (Cl. 105—280.)



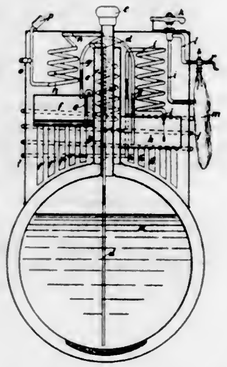
1. A sheet metal door for a railway car of the dumping type, provided with hinges having hinge members extending across the under side of the door so as to strengthen the same, and formed with a plurality of diagonally disposed corrugations which are all substantially parallel with each other, and terminate adjacent the edges of the sheet to provide a flat margin around the edges of the sheet and within said margin a corrugated portion of sinuous configuration in cross section from one corner to another.

1,464,318. METHOD OF AND MEANS FOR MAKING ADJUSTABLE ELBOWS. GEORGE F. HAUF, Chicago, Ill. Filed Dec. 4, 1920. Serial No. 428,286. 6 Claims. (Cl. 113—36.)



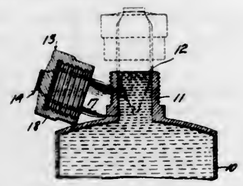
2. A machine for simultaneously blanking, edging and rolling elbow sections, comprising a pair of rolls to which a sheet of metal may be fed, said rolls having circumferentially arranged relatively curved sets of cooperating forming and shearing instrumentalities.

1,464,319. DEVICE FOR SUPPLYING OXYGEN. PAUL HEYLANDT, Sudende, near Berlin, Germany. Filed Jan. 3, 1921. Serial No. 434,824. 6 Claims. (Cl. 137—153.) (Granted under the provisions of the act of Mar. 3, 1921, 41 Stat. L., 1313.)



1. A device for supplying oxygen, comprising a double walled flask with the space between the walls evacuated and a pipe for conducting the liquid out of the inner vessel and around the neck thereof through a coil situated in the evacuated space around said neck.

1,464,320. CLOSURE FOR COLLAPSIBLE TUBES AND OTHER CONTAINERS. JOSEPH KAUFMAN, New York, N. Y. Filed Apr. 5, 1920. Serial No. 371,193. 3 Claims. (Cl. 221—60.)

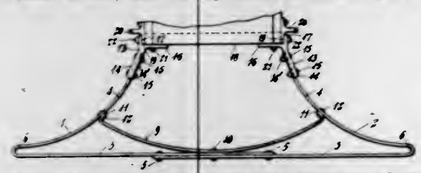


1. In combination with a collapsible tube having an externally threaded neck containing a discharge orifice and an internally threaded cap to be screwed upon said neck and close said orifice, said cap being of the usual circular type and construction and adapted to have rotary movement, a yoke having a top and side arms and being hinged at the lower ends of said arms to said container at the base of said neck, said side arms snugly fitting the convex sides of said cap and locking the cap to the yoke and being of such length that the cap while capable of rotary motion to free it from said neck may also move longitudinally of the yoke outwardly beyond said neck to permit the yoke and cap to be turned downwardly at the side of the neck.

1,464,321. MOTOR-VEHICLE BUMPER. WILLIAM J. KOESTER and JAMES D. FOSTER, Cincinnati, Ohio. Filed July 5, 1921. Serial No. 482,340. 12 Claims. (Cl. 293—55.)

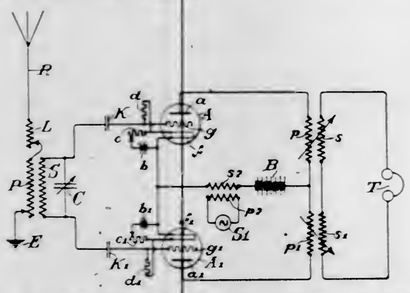
7. In a motor-vehicle bumper, a pair of flexible vehicle-connecting arches curving divergently from the vehicle, flexible transverse means connected to said arches near their diverged ends, a third flexible arch with end parts connected to respective arches of said pair, near the middles of said arches, and arching toward a middle part of said transverse means, and brackets having elements fixed to respective free end parts of said arches

of said pair, with shoulders abutting the ends of these arches and flanges lying along the adjacent end parts of these arches, and having elements extending at an



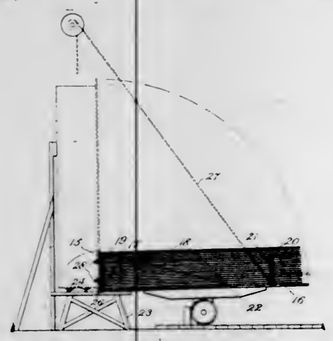
angle to each other to lie along angularly disposed parts of the vehicle, one of these elements of each bracket comprising means by which it is adapted to be fixed to the vehicle.

1,464,322. RADIO RECEIVING METHOD AND APPARATUS. FREDERICK A. KOLSTER, Washington, D. C., assignor of one-third to Cornelius D. Ehret, Philadelphia, Pa. Filed Nov. 26, 1920. Serial No. 426,504. 5 Claims. (Cl. 250—8.)



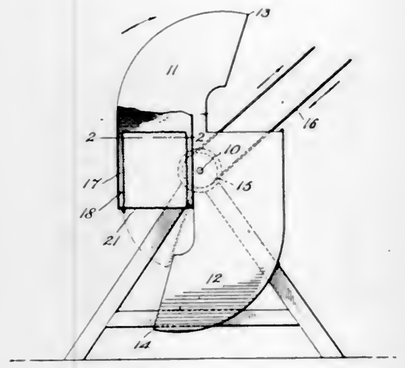
2. Apparatus for rendering undamped waves of radio frequency intelligible as signals of audio frequency independent of the frequency of said waves comprising a plurality of devices having input and output circuits, means for subjecting the input circuits to the received energy, a signal translating instrument having equal and opposite couplings to the output circuits when no signal is received, and a source of current of audible frequency associated with the output circuits.

1,464,323. DRYING APPARATUS FOR LUMBER. THOMAS C. LAZIER, Belleville, Canada, assignor, by mesne assignments, to Natural Air Dryers, Inc., a Corporation of Delaware. Filed Sept. 27, 1919, Serial No. 326,798. Renewed Jan. 13, 1923. 5 Claims. (Cl. 34—28.)



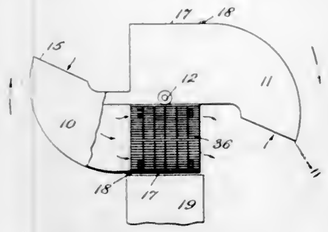
1. A pair of balanced air scoops and a mounting therefor adapted to permit them to revolve about a center: in combination with a removable loading-container for each scoop; each container comprising a supporting floor and a side wall adapted, when the container is in place, to confine the air current created by the operation of its respective air scoop.

1,464,324. DRYING APPARATUS FOR DISCRETE MASSES. THOMAS C. LAZIER, Belleville, Canada, assignor, by mesne assignments, to Natural Air Dryers, Inc., a Corporation of Delaware. Filed Sept. 27, 1919, Serial No. 326,799. Renewed Dec. 7, 1921. Serial No. 520,694. 8 Claims. (Cl. 34—28.)



1. A drier for masses of discrete material comprising a tumbling cage, an air scoop adapted to lead an air current to said cage, and a substantially horizontal revoluble mounting for said cage and scoop.

1,464,325. DRYING APPARATUS. THOMAS C. LAZIER, Belleville, Canada, assignor, by mesne assignments, to Natural Air Dryers, Inc., a Corporation of Delaware. Filed Sept. 27, 1919, Serial No. 326,800. Renewed Jan. 13, 1923. 7 Claims. (Cl. 34—28.)



2. Apparatus of the character set forth in claim 1 hereof wherein the elements are mounted upon a vertical shaft provided with means for driving the same.

1,464,326. FENCEPOST. ELMER H. LINDSTROM and RUDOLPH V. SEAHOLM, Chicago Heights, Ill. Filed May 1, 1922. Serial No. 557,566. 10 Claims. (Cl. 189—29.)

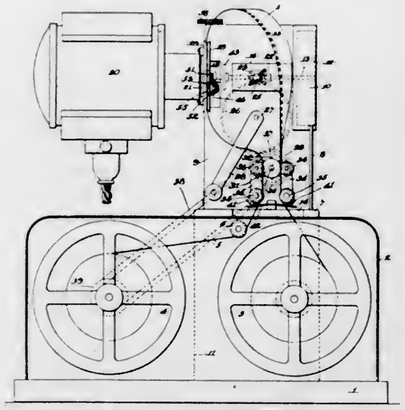
1. A fence post construction comprising an elongated bar characterized by a substantially flat portion, and by a longitudinally extending flange disposed at an angle

to the flat portion adjacent one edge thereof; said flange being bent at intervals away from the flat portion and



into the plane of the same to constitute of the bent flange portions a plurality of wire-seating and spacing notches.

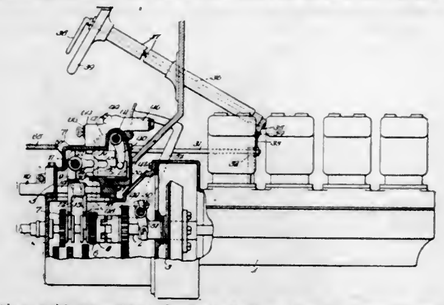
1,464,327. MOTION-PICTURE-PROJECTING MACHINE. FRANK MLADINICH, New York, N. Y., assignor to H. & N. Carburetor Co., Inc., a Corporation of New York. Filed Sept. 3, 1920. Serial No. 407,922. 12 Claims. (Cl. 88—18.4.)



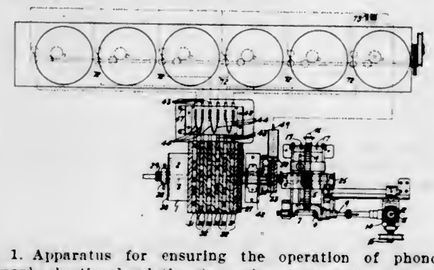
1. A device of the character described, comprising a film having perforations along one edge only, a source of light, a projector, said film being positioned between the light and the projector, a pivoted spring member, a element carried by the member and adapted to engage the perforations in the film, common means for periodically engaging the member to cause the element to engage the perforations and for moving the member to advance the film relatively to the projector.

1,464,328. GEAR-SHIFT MECHANISM. LOUIS MORINSKY, New York, N. Y., assignor of nine-tenths to Henry G. Eckstein, jr., Chicago, Ill. Filed Dec. 23, 1919. Serial No. 346,901. 12 Claims. (Cl. 74—58.)

1. A shifter mechanism for change speed gearing comprising shifters, a common actuating member therefor having tappets and cams for respectively moving said shifters to active and neutral positions, said actuating member being adjustable transversely to selectively position said tappets and cams, and means for moving said member longitudinally to actuate said shifters, substantially as described.

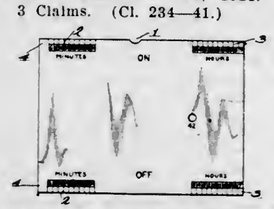


1,464,329. APPARATUS FOR CONTROLLING THE OPERATION OF A TALKING MACHINE OR MACHINES IN TIMED RELATION TO A CINEMATOGRAPHIC MACHINE. FRANK ERNEST MOSLEY, Glasgow, Scotland. Filed Nov. 29, 1920. Serial No. 427,134. 2 Claims. (Cl. 88—16.2.)



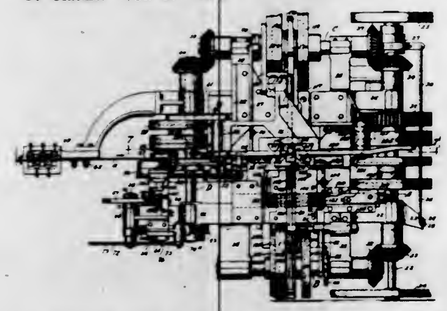
1. Apparatus for ensuring the operation of phonographs in timed relation to a cinematographic machine, comprising the combination of a continuously operated driver for the phonographs, said driver being independent of the cinematographic machine, means for coupling and uncoupling the driver and the phonographs, a selector switch independent of the film in continuous driving relation with the cinematographic machine, and circuits controlled by said switch for determining the operation of said coupling and uncoupling means at predetermined times.

1,464,330. TIME CARD. GEORGE WILLIAM ODELL, Binghamton, N. Y., assignor to The International Time Recording Company of New York, a Corporation of New York. Filed June 29, 1921. Serial No. 481,197. 3 Claims. (Cl. 234—41.)



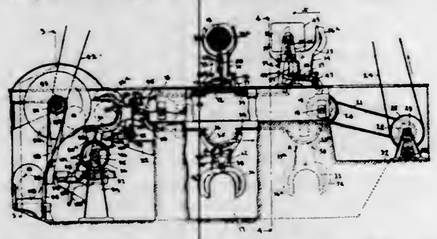
1. A workman's card for showing the time spent on a given job, having scales along each edge at one end corresponding to given fractions of an hour, and at corresponding points at the opposite edge scales with divisions corresponding to the hours of a working day, whereby the starting time in hours and minutes may be indicated by sections cut out from one edge, and the finishing time by sections cut out from the other edge.

1,464,331. WIRE CHAIN MACHINE. MAURITZ OLSON, Bridgeport, Conn., assignor to The A. H. Nilson Machine Co., Bridgeport, Conn., a Corporation of Connecticut. Filed Mar. 21, 1922. Serial No. 545,588. 17 Claims. (Cl. 59—19.)



1. In a machine for automatically making wire chain, the links of which comprise a relatively large loop portion at one end and an eye at the other end, the combination of a bed, a series of tool carrying slides operatively mounted in the bed and adapted to operate from four directions to and from the center of the bed, where the links are formed, forming tools mounted above and below the bed in alignment with and adapted to operate toward and from each other, a lever member pivotally mounted upon one of the slides of the bed, carrying a bending tool upon its inner end, means for reciprocating the said slide together with its lever and means for operating the lever when in its forward position to cause the tool to engage the upwardly disposed free end portions of the wire link and bend them down close against the eye with the return movement of the slide carrying said lever.

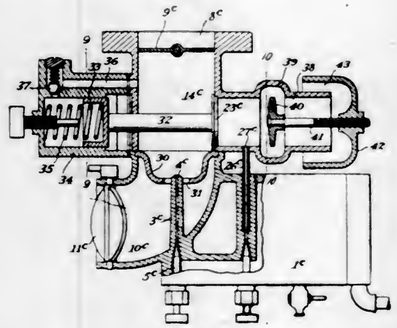
1,464,332. BUNCHING MACHINE. HENRY PEASE, Jackman, Me. Filed Sept. 2, 1922. Serial No. 585,916. 11 Claims. (Cl. 100—31.)



1. A bunching machine comprising an endless conveyor, including spaced apart rigid benches, arranged in pairs and having recessed bases provided with runners, and flexible sprocket chain sections connecting the bases of the benches, a driven shaft at one end portion of the conveyor, a loose shaft at the opposite end portion of the conveyor, sprocket wheels fixed to said shafts and arranged to hold said conveyor, so that the bench bases and the chain sections include upper and lower stretches, from which some of the benches project vertically, and intermediate portions crossing the sprocket wheels, the benches on the upper stretches upstanding therefrom, fixed guides supporting the runners of the upstanding benches; and driving means connected with the said driven shaft, and including a clutch controlled by the operator, whereby the carrier may be started and stopped, the arrangement being such that the chains may be stopped when some of the benches upstand from the upper stretch to receive and act on groups of units inserted therein, and other benches project horizontally to permit the delivery of a bunch of said units, the recesses in the bench bases being formed to have an extended bearing on two of the sprocket wheels, so that the horizontally projecting bases are firmly supported by said sprocket wheels when the benches project horizontally.

6. A bunching machine comprising a series of bunch-carrying benches, means for moving said benches in an endless path, the arrangement being such that each bench is alternately in a receiving and a delivering position, a pair of rotary cutting-off saws, adjacent to a bench held in delivering position, and ejecting mechanism adapted to force a bunch from said bench, and fixed guides arranged to direct an ejected bunch across the saws.

1,464,333. CARBURETOR. WINFIELD P. PEMBROKE, Rochester, N. Y. Filed May 22, 1917. Serial No. 170,183. 11 Claims. (Cl. 261—41.)

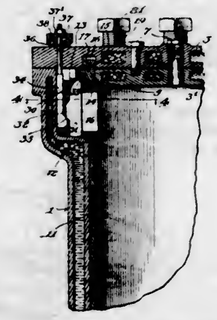


1. In a carburetor, a fuel supply and an air supply passageway having fixed means therein, inoperative at starting or on slow speeds, but operative on high speeds for maintaining a vacuum about the fuel supply to draw an amount of fuel corresponding to the demand of the motor in running at high speeds, the opening throughout said air supply passageway having a cross sectional area substantially equal to the area of the discharge from the passageway, while such means in the air supply passage is effective, and means associated with the carburetor for effecting the functioning of the carburetor for starting and for slow speeds.

5. In a carburetor, a mixing chamber, a main fuel supply communicating therewith, a main air supply passage leading to said mixing chamber and having the air passing therethrough acting on said main fuel supply, an auxiliary air supply passage leading to said mixing chamber, a section-controlled valve for said auxiliary air supply passage, an auxiliary fuel supply acted on by the air passing through said auxiliary supply passage, and means provided in the auxiliary air supply passage and effective on the opening of the suction-controlled valve to maintain a vacuum in the auxiliary air supply passage to produce such resistance to the air as to cause an amount of fuel to be fed from the fuel supply corresponding to the demand of the motor, said means being constructed to maintain a cross sectional area throughout the auxiliary air supply passage, substantially the same as the outlet from said auxiliary air supply passage.

1,464,334. INTERNAL-COMBUSTION ENGINE. JOSE CASTILLO PERAZA, New York, N. Y. Filed Mar. 24, 1921. Serial No. 455,310. 5 Claims. (Cl. 123—80.)

1. An internal combustion engine comprising a cylinder having a peripheral enlargement toward its top terminating in a bevelled shoulder, a sleeve valve mounted for rotation therein having an outer peripheral enlargement engaging the enlargement in the cylinder and a bevelled shoulder coacting with the shoulder on the inner cylinder wall, a bevelled face on the upper rim of the valve, a



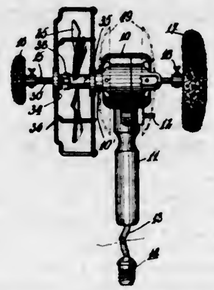
bevelled ring mounted in the cylinder head engaging said bevelled face, and means for exerting pressure on said bevelled ring to force the bevelled shoulders on the valve and cylinder into engagement.

1,464,335. HOSE CLAMP. NICHOLAS A. PETRY, Philadelphia, Pa. Filed Mar. 29, 1921. Serial No. 456,774. 1 Claim. (Cl. 24—19.)



The combination in a hose clamp, of a substantially circular flexible clamping member having flanges at the ends bent back over the body of the clamp; and a locking member having inturned flanges arranged to be forced onto the flanges of the clamping member when said member has been applied to the hose; with projections on one of said members cooperating with recesses in the other member to lock the members in the clamping position.

1,464,336. SHOE-POLISHING SET. ARPAD POLANSKY, Douglaston, N. Y. Filed Feb. 27, 1922. Serial No. 539,349. 3 Claims. (Cl. 230—1.)



1. In combination, a motor including a casing and a shaft, a fan slidable on said shaft and adapted to have clutch engagement therewith, a cage for said fan having a pair of hub elements one of which is attached to the motor casing and the other of which freely encircles the said shaft, and means for removably attaching said fan to said last named hub element and out of clutch engagement with the said shaft.

1,464,337. SHAFT COUPLING. GOMER W. PRICE and CURT F. ZIMANSKY, San Francisco, Calif., assignors to G. W. Price Pump and Engine Company, San Francisco, Calif. Filed May 21, 1921. Serial No. 471,459. 8 Claims. (Cl. 289—117.)



1. A pump shaft comprising sections threaded at both ends thereof; a sleeve screwed onto adjacent ends of adjacent sections; means for rigidly securing the sleeve to one section, said sleeve being arranged to be tightened upon the other section when the shaft is rotated in the normal direction; and a second sleeve rotatably mounted upon the other section and screwed upon the first sleeve to jamb the threads of said other section against the threads of the first sleeve to prevent rotation thereof on said section when the shaft is rotated in the opposite direction.

1,464,338. DEHYDRATOR. ROMOLO L. PUCCINELLI, Los Gatos, Calif. Filed June 29, 1921. Serial No. 481,242. 6 Claims. (Cl. 34—46.)

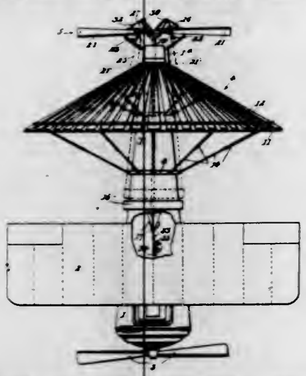


1. A dehydrator comprising a housing having a pair of parallel compartments formed therein separated by a partition wall, one compartment forming a furnace chamber and the other a dehydrating tunnel, communicating passages formed in the housing between each end of the dehydrating tunnel and furnace chamber, respectively, air circulating means, and air heating means disposed in the furnace chamber.

1,464,339. SAFETY APPLIANCE FOR AEROPLANES. JAN RADON, East St. Louis, Ill., assignor of one-half to Franciszek Klich, East St. Louis, Ill. Filed Aug. 22, 1922. Serial No. 583,626. 6 Claims. (Cl. 244—21.)

4. In a safety appliance for aeroplanes, the combination with a fuselage, of a tubular shaft journaled longitudinally and axially thereof, the rear end of the fuselage being swiveled upon the main body portion thereof and to which said tubular shaft is fixed, propeller blades hingedly associated with the outer projecting end of said tubular shaft, spring devices connecting said propeller blades to the swiveled end of the fuselage for normally holding the blades in a position adjacent said fuselage, pull cords extending through said tubular shaft and connected to

said propeller blades, a ratchet lever and segment associated with the inner ends of said pull cords for moving the same to shift the propeller blades to their extended



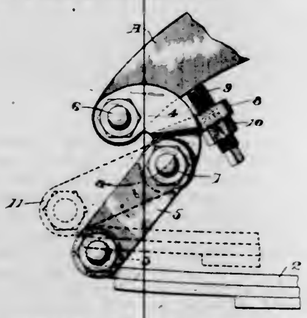
operative positions, and an automatically opening parachute enclosing the rear end of the fuselage and spaced inwardly of said propeller blades.

1,464,340. DISPLAY DEVICE. WILLIAM A. RINGLER, Philadelphia, Pa., assignor to Globe-Wernicke Co., Cincinnati, Ohio, a Corporation of Ohio. Filed Apr. 4, 1922. Serial No. 549,446. 4 Claims. (Cl. 40—124.)



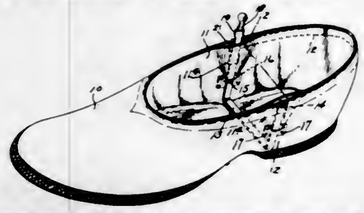
3. A display device, comprising a strip of sheet metal overlapped upon itself to form pockets having a single inner wall and a double outer wall, the double outer wall of one pocket resiliently engaging the double outer wall of an adjacent pocket.

1,464,341. SPRING SHACKLE MOUNTING. CHARLES F. RODIN, Fairfax, Calif. Filed Apr. 12, 1922. Serial No. 551,815. 8 Claims. (Cl. 267—54.)



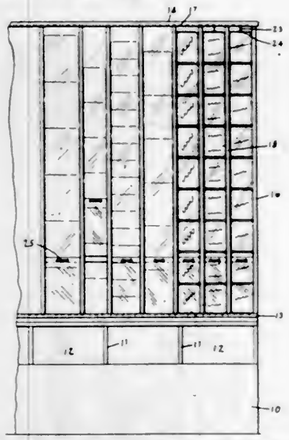
1. The combination with the main frame and the supporting springs of a motor vehicle, of a shackle link pivotally attached to the spring, and a second link interposed between the upper end of said first named link and the frame, said link being pivotally attached to the shackle link and also pivotally attached to the frame, said second link projecting beyond the shackle link adjacent the pivotal connection of the links and provided with an adjusting screw arranged to engage a relatively fixed portion of the vehicle to limit the movement of the said second link in one direction and normally position the same with respect to the main frame.

1,464,342. RUBBER ATTACHMENT. FREDERICK J. ROTHACHER, Minneapolis, Minn. Filed Feb. 27, 1922. Serial No. 539,399. 6 Claims. (Cl. 36—58.5.)



1. The combination with a rubber or overshoe, of a heel-engaging clamping yoke having upturned arms intermediately pivoted to the sides of the rear portion of said rubber or shoe, a horizontally disposed yoke having its front ends pivoted to the upper ends of the first noted yoke, and means for locking said two yokes in different relative angular adjustments.

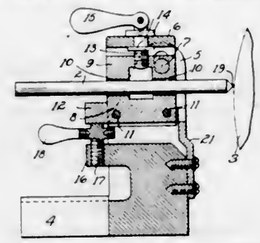
1,464,343. DISPLAY RACK. SAMUEL M. SCHERER, Marion, Ind. Filed Apr. 18, 1922. Serial No. 555,296. 2 Claims. (Cl. 211—9.)



1. A display and vending cabinet including a top and bottom, a transverse side forming partition adjustably and rigidly secured to said top and bottom to form a compartment therein, another side forming member, a front closure member slidably supported by said partition and member, a second front closure member slidably supported adjacent said first mentioned closure member, means for maintaining the first mentioned closure member in fixed position, and means on the second closure member for sliding the same.

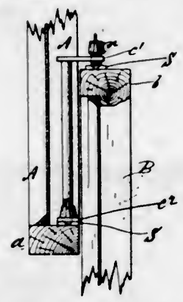
1,464,344. TOOL HOLDER. ERNEST G. STRONG, Canton, Ohio, assignor to The Timken Roller Bearing Company, a Corporation of Ohio. Filed June 22, 1921. Serial No. 479,680. 10 Claims. (Cl. 125—11.)

1. A lathe attachment for dressing grinding wheels comprising a pivotally mounted hanger for the dressing tool, and means for adjusting the angular position of said hanger, said hanger being free to be manually tilted to



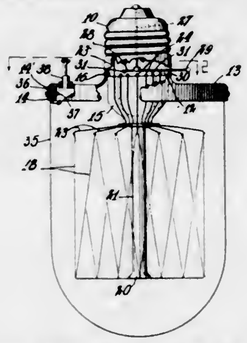
clear the frame of the lathe independently of said adjusting means.

1,464,345. WINDOW-SECURING MEANS. JOHN D. TOMFORD, Brooklyn, N. Y. Filed Aug. 10, 1922. Serial No. 580,849. 2 Claims. (Cl. 292—276.)



1. Window securing means of the character designated, comprising a stud plate secured to the upper surface of the upper rail of the lower sash, a stud plate secured to the upper surface of the lower rail of the upper sash, a copulative member formed with laterally projecting end socket arms extending at right angles to each other and formed for simultaneous engagement with the studs on said sash stud plates, and detachable means for positively maintaining engagement between said copulative socket arms and the studs on said sash stud plates, substantially in the manner and for the purpose described.

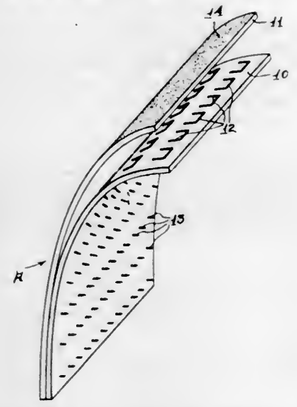
1,464,346. VARIABLE ELECTRIC LAMP. JOSEPH ARDO and FRANK MELFO, Newhall, W. Va. Filed Sept. 21, 1921. Serial No. 502,279. 1 Claim. (Cl. 176—27.)



In an electric incandescent lamp, a plug element presenting a switch chamber therein, an insulating block inserted in said element and forming the bottom wall of

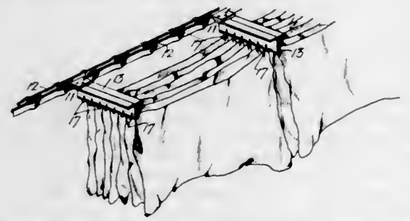
said chamber, a series of wires carried by said block and having radiating lower ends, a series of contacts spaced evenly around the top of said block with which the other ends of said wires engage, a double-armed contact bar pivoted concentrically of the said block and having its arms disposed at an angle to one another equal to one-half the angular spacing of the said contacts.

1,464,347. LABEL FOR POISONOUS CONTAINERS. LORENZO MARTIN AVENSON, St. Paul, and JOHN LEONARD HAGIE, Minneapolis, Minn., Filed Oct. 3, 1921. Serial No. 504,909. 1 Claim. (Cl. 40—2.)



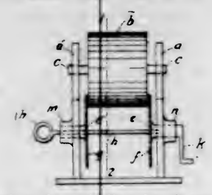
In a label, a body comprising two members, a plurality of pins reaching through one member and projecting from one side thereof, the heads of said pins bearing against the opposite side of said member to form bracing elements, the second member being applied to the first member to anchor the pins in the body and being gummed on its outer surface for applying the body to a container, said members being flexible and the pins arranged in rows to permit of close conformation of the gummed side of said body with a curved surface.

1,464,348. APPARATUS FOR DRYING SKINS, ETC. ELWOOD B. AYRES, Philadelphia, Pa., assignor to Proctor & Schwartz, Incorporated, Philadelphia, Pa., a Corporation of Pennsylvania. Filed Feb. 16, 1922. Serial No. 536,990. 2 Claims. (Cl. 34—12.)



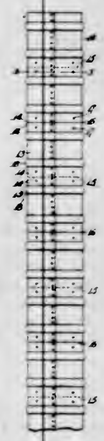
1. The combination in an apparatus for drying skins, of a casing enclosing a drying chamber; a longitudinal chain conveyer located in the upper portion of the drying chamber; hooks on said conveyer on which the skins are suspended in lines parallel with the longitudinal line of movement of the conveyer, said conveyer extending beyond each end of the drying chamber a distance substantially equal to the length of a skin so that each skin can be hooked onto the conveyer from the under side and also removed from the conveyer from the under side; and means for imparting a slow movement to the conveyer.

1,464,349. GAUZE AND CLOTH WINDING MACHINE. CARL M. BURG, ERNEST DECKER, and LOUIS C. LE DUC, Midvale, Utah. Filed June 21, 1918. Serial No. 241,228. 3 Claims. (Cl. 242—60.)



1. A mechanism for winding bandages comprising two opposed rotary discs centrally recessed to receive a winding needle, an axially removable winding needle fitting the recesses and connecting the discs, and a vertically movable pressure roll mounted to rest on the material wound on the needle.

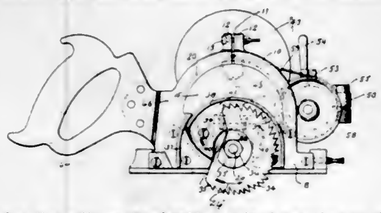
1,464,350. OIL-WELL CASING. HARRY C. CABLE, Los Angeles, Calif., assignor to Morgan L. Sweeney and Edward J. Bowen, both of Los Angeles, Calif. Filed Sept. 13, 1921. Serial No. 500,291. 2 Claims. (Cl. 166—4.)



1. An oil well casing comprising: a series of inner sections of substantially the same diameter placed with their ends abutting; a series of outer sections of the same diameter, but of a slightly larger diameter than said inner sections placed with their ends abutting, the joints between the inner sections being staggered with relation to the joints between the outer sections; two rows of rivets for each joint each of said rivets passing through one of said inner sections and one of said outer sections and being counter-sunk on the inner side of said casing; and a series of annular ribs each formed by increasing the diameter of the material of said inner and outer sections which are thereby locked together, the casing being of substantially uniform diameter for a sufficient distance between said ribs, to allow space for the attachment of an elevator.

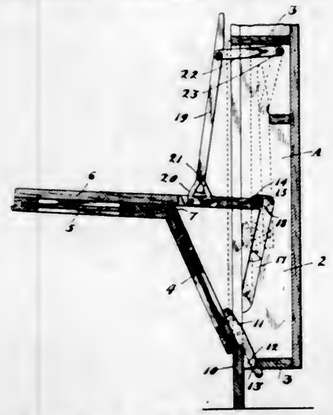
1,464,351. TOOL. WILLIAM P. CASEY, Oshkosh, Wis., assignor to The Router Manufacturing Company, Oshkosh, Wis., a Corporation of Wisconsin. Filed Nov. 26, 1920. Serial No. 426,589. 3 Claims. (Cl. 143—47.)

1. A tool comprising a frame having a work engaging face and a vertical centrally bored standard, a drum having a part rotatably mounted in said standard, a tool shaft journaled in said drum and offset with respect to the axis thereof, whereby a rotation of said drum will adjust the distance between the work engaging face of the frame, said standard having a part split, means for



drawing the split parts of said standard together to clamp the drum in adjusted position, and means for operating the tool shaft.

1,464,352. BUILT-IN DISAPPEARING FURNITURE. CHESTER R. COX, Berkeley, Calif. Filed Feb. 18, 1920. Serial No. 359,745. 13 Claims. (Cl. 45—51.)



1. In furniture of the character described the combination with a casing having a chamber or recess formed therein, of a panel forming a closure therefor, a crosspiece forming a support for the lower end of the panel and permitting outward rocking movement of the panel, an anchor arm secured to the panel, and a member with which said arm is engageable during outward movement of the panel to retain the panel on its support and to prevent upward movement of the panel when extended.

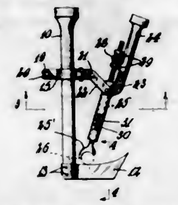
1,464,353. POSTHOLE-DIGGING OUTFIT. FRANK L. CRINELLA, Virginia, Minn. Filed Nov. 30, 1920. Serial No. 427,421. 2 Claims. (Cl. 55—70.)



1. A post hole digger comprising a digger blade of substantially U-shaped cross section, the outer parallel edges

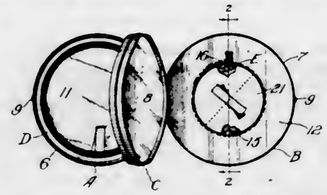
thereof tapering from top to bottom, and provided at its inner end with a screw-threaded portion, a handle adapted to be detachably secured to said screw-threaded portion, said handle consisting of one or more sections.

1,464,354. CORN AND STALK CUTTING IMPLEMENT. STEPHEN DUCSAY, Canonsburg, Pa. Filed Apr. 27, 1922. Serial No. 556,998. 7 Claims. (Cl. 30—9.)



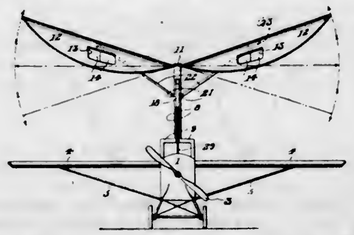
1. A stalk-cutting implement comprising a straight handle element, a blade fixed to one end thereof and extending transversely thereto and having its rearwardly facing edge sharpened and concavely curved from end to end, and an abutment member carried by said handle and adapted to engage the stalk on the opposite side to the blade, and means for causing said abutment member to have relative movement with respect to said blade either toward or along the latter as desired.

1,464,355. COMPACT CONTAINER. IRVING B. EPPENSTEIN, Elgin, Ill., assignor to Illinois Watch Case Company, Elgin, Ill., a Corporation of Illinois. Filed Jan. 8, 1923. Serial No. 611,460. 2 Claims. (Cl. 132—83.)



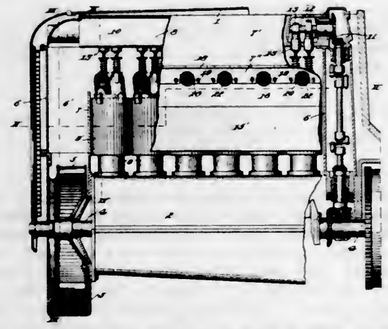
1. A container in the form of a case having a pair of hinged covers formed with marginal walls, a plate extending transversely between the marginal walls of one cover and formed with a depending cup adapted to receive a compact, there being an opening through the peripheral walls of the cup, and spring means secured to the exterior of the peripheral cup walls adapted normally to project in part through the opening to engage a compact within the cup whereby the compact is releasably held in place.

1,464,356. FLYING MACHINE. PETER FEDORYSZAK, Wallingford, Pa. Filed June 14, 1922. Serial No. 568,229. 1 Claim. (Cl. 244—17.)



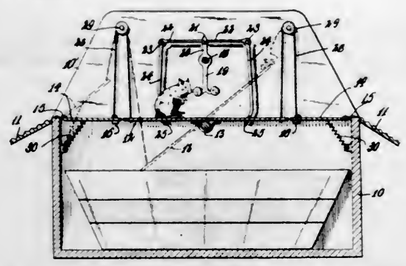
In a flying machine of the type described, a fuselage, a plane section rigidly carried thereby, a perpendicular guide frame superposed on the fuselage, side wings hinged to the upper end of the supporting frame, a frame bar vertically slidable in said support, link rod connections between the frame bar and the wings, a crank shaft journaled transversely of said fuselage, a link rod connection between the crank portion of said shaft and the frame bar, and connections between the flying machine motor and the crank shaft, means for disconnecting the crank shaft from said motor and means for holding the crank shaft rigidly positioned with the wings immovable, said last mentioned means comprising a gear wheel fixed to said crank shaft, guide brackets carried by said fuselage, and a sliding bolt rod carried by said brackets and adapted or engaging said gear for holding the crank shaft rigidly positioned.

1,464,357. AIR-COOLING SYSTEM FOR ENGINES OF MOTOR VEHICLES. ANSLEY H. FOX, Philadelphia, Pa., assignor to Fox Motor Car Company, Philadelphia, Pa., a Corporation of Delaware. Filed June 21, 1921. Serial No. 479,187. 10 Claims. (Cl. 123—171.)



1. An air cooling system for engines of motor vehicles, comprising a crank shaft and casing therefor, a scroll casing secured to the front end of the crank shaft casing, a casing mounted upon said scroll casing formed with an inner vertical extension extending above the engine cylinders, a separable air sealing member mounted on said casing, and a fan mounted on the front end of said crank shaft.

1,464,358. ANIMAL TRAP. MICHAEL GNOINSKY, Zeeland, N. Dak. Filed Oct. 18, 1922. Serial No. 595,238. 4 Claims. (Cl. 43—70.)



4. A trap comprising a box having its top composed of a central door and a pair of end doors, the central door being pivoted between its ends, and the end doors hinged adjacent the ends of the box, the said box having its side walls extended upwardly beyond the top, a series of pulleys mounted on said side walls, a series of cords looped around said pulleys and connected to the adjacent edges of the central door and end doors, supports for the free edges of said end doors, springs urging said end doors downwardly, and a movable bait holding device adapted to hold said central door against movement.

1,464,359. TOBACCO PIPE. WILLIAM WALLACE HESSON, Toronto, Ontario, Canada. Filed Sept. 14, 1920. Serial No. 410,302. 4 Claims. (Cl. 131—12.)



3. In a tobacco pipe, a bowl having a cylindrical opening at the bottom leading to the stem, a thread in the stem, a mouthpiece rotatably mounted in the stem, a tube having an end adapted to project into the bowl and an external thread to engage the threaded part of the pipe stem, and means for non-rotatively and slidably connecting said inner stem and mouthpiece.

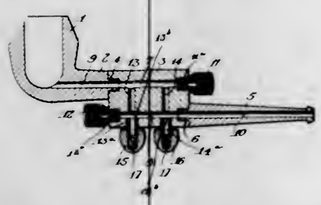
1,464,360. MACHINE AND METHOD FOR MANUFACTURING LATH BOARD. WILLIAM D. HICKS, Inglewood, Calif. Filed Dec. 31, 1921. Serial No. 526,177. 14 Claims. (Cl. 154—1.)



2. In a machine for forming a composition board, a pair of superimposed horizontally extending pressing rollers, means for feeding a lower facing sheet over the lowermost roller, means for feeding an upper facing sheet under the uppermost roller, said facing sheet feeding means being adapted to feed the sheets between the rollers simultaneously, means for applying a plastic layer between said sheets as they pass to the rollers, means for forming openings in the upper facing sheet before it passes between the rollers, and means on the rollers for simultaneously punching openings in the lower facing sheet and forming apertures in the plastic layer in register with the openings in the upper facing sheet.

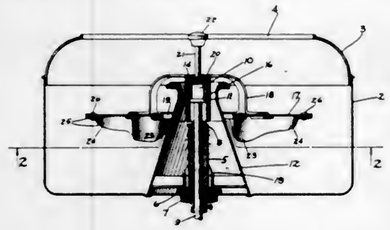
12. The method of forming a composition board consisting in applying a plastic body to an imperforate facing sheet, forming a second facing sheet with rows of openings, applying the second facing sheet over the plastic body, and pressing the plastic thru the openings in the facing sheet to form apertures therein, and punching openings in the first named facing sheet in register with the openings.

1,464,361. SMOKING PIPE. DAVID L. HILL, Rochester, N. Y. Filed July 29, 1922. Serial No. 578,488. 3 Claims. (Cl. 131—12.)



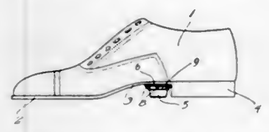
1. A smoking pipe comprising a bowl, a mouth piece, and a body connecting said bowl and mouth piece, and provided with two passageways, one of which aligns with the passageway of the bowl and the other of which aligns with the passageway of the mouth piece, said body also having two other passageways connecting the first two named passageways, one of said last named passageways being further removed from the mouth piece than the other.

1,464,362. WASHING MACHINE. HERMAN C. HIRSCHY, Duluth, Minn. Filed Feb. 23, 1922. Serial No. 538,709. 19 Claims. (Cl. 259—101.)



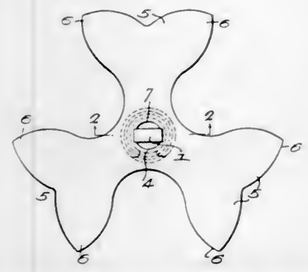
1. A washing machine comprising a tub, a drive shaft projecting therein, an agitator operated by said drive shaft and having means provided with radially extending downwardly converging walls for forcing the water through the meshes of the fabric.

1,464,363. SHANK SUPPORT FOR SHOES. WILLIAM H. HORNE, Portsmouth, N. H. Filed Dec. 7, 1921. Serial No. 520,526. 1 Claim. (Cl. 36—76.)



A shank support for application exteriorly to a shoe comprising an attaching plate having a central opening and separated tongues at the marginal edges of the opening, said tongues being turned downwardly from the plate and normally converging toward their free ends, and a block of resilient material larger at its upper end fitted in the opening of the plate and resiliently held by the tongues, said block being constructed and arranged to slip into place through the top of the plate.

1,464,364. STOCKLESS ANCHOR. GEORGE H. JAMES, Philadelphia, Pa., assignor to American Engineering Company, Philadelphia, Pa., a Corporation of Pennsylvania. Filed Oct. 15, 1921. Serial No. 507,930. 1 Claim. (Cl. 114—208.)



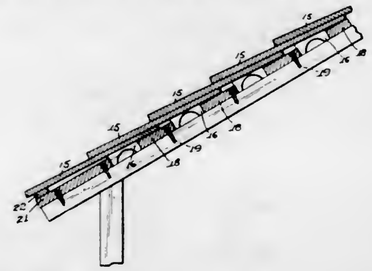
An anchor having more than two double-pointed flukes, each of said flukes having pointed extremities and the medial lines of the pointed extremities of each fluke extending substantially parallel with the medial lines of adjacent extremities of adjacent flukes respectively.

1,464,365. NONSLIPPING SHOE-PAD. GEORGE KOETTER, Hoboken, N. J. Filed May 24, 1922. Serial No. 563,236. 2 Claims. (Cl. 36—63.)



1. A detachable nonslipping shoe pad comprising a sole portion provided with a plurality of longitudinally extending slots to form a plurality of gripping edges and constructed of material having a high coefficient of friction upon wood, stone or a composition flooring, and a top portion comprising a narrow resilient clamping band, and a toe strap extending from said clamping band to said sole portion, said sole portion having a narrowed rear portion adapted to be held by said clamping band securely in engagement with a narrowed instep portion of the shoe and constructed and arranged on a substantially plane surface, whereby when said top portion is folded down upon said sole portion, the shoe pad will form a substantially flat compact package adapted to be readily carried in a pocket of the user's apparel, and means attached to said clamping band adapted to be detachably engaged with the upper portion of the shoe to hold said pad securely in position upon the shoe.

1,464,366. ROOFING SHINGLE. BERNIE C. KRIDLER, Flint, Mich., assignor, by direct and mesne assignments, to The Shingle Lock Company, Flint, Mich., a Corporation of Michigan. Filed Nov. 15, 1921. Serial No. 515,216. 5 Claims. (Cl. 108—8.)



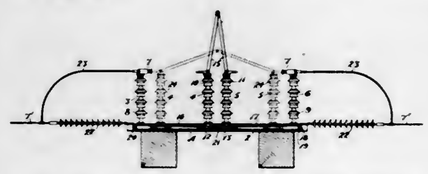
1. In combination, a roof structure including equidistantly spaced straight edged sheathing strips each of an even thickness, and a shingle comprising a body, and a lug formed on the under side of said body and adapted to snugly fit between the opposed edges of said sheathing strips.

1,464,367. ORNAMENTAL HANDLE AND METHOD OF PRODUCING SAME. FELIX KRZYZEWSKI, Jamaica, N. Y., assignor of one-third to Edmond Kawiecki and one-third to Ludwik Kawiecki, both of Winsted, Conn. Filed Oct. 5, 1922. Serial No. 592,663. 2 Claims. (Cl. 41—34.)

1. In the art of forming ornamental handles, wherein a handle has a name or pictorial representation embodied therein, the method of forming the handle consisting in securing the sheet containing the name or pictorial representation upon a transparent plate, uniting a pair of transparent plates to opposite sides of a handle member and then coating the edges of the connected members.

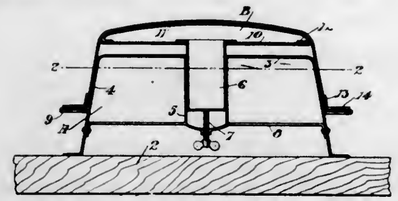


1,464,368. HIGH-TENSION DISCONNECTING SWITCH. FRANK P. LAWLER, San Francisco, Calif. Filed Aug. 15, 1921. Serial No. 492,583. 12 Claims. (Cl. 200—48.)



1. An electric switch comprising a base member, a pair of aligned contacts supported thereby, and means for imparting movement to said contacts simultaneously in opposite directions on a common plane and on a common longitudinal axis to make or break a circuit through the same.

1,464,369. ADJUSTABLE MOLD FOR FORMING LEATHER DIAPHRAGMS. EDWARD M. MORAN, San Francisco, Calif. Filed Nov. 14, 1922. Serial No. 600,980. 4 Claims. (Cl. 69—8.)



1. An adjustable form comprising a cone shaped base section, a rounded head member centrally guided and supported by the base, means permitting vertical adjustment of the head member with relation to the base, and a horizontally disposed annular forming flange carried by the base.

4. An adjustable form comprising a cone shaped base section, a rounded head member centrally guided and supported by the base, a horizontally disposed annular

forming flange carried by the base, means permitting vertical adjustment of the head member with relation to the forming flange and the base, and an elastic retaining ring adapted to surround the base and cooperating with the forming flange.

1,464,370. FRAME FOR FLEXIBLE SCREENS, ETC. WILLIAM NOVICK, Brooklyn, N. Y. Filed Jan. 17, 1921. Serial No. 437,773. 3 Claims. (Cl. 156—14.)



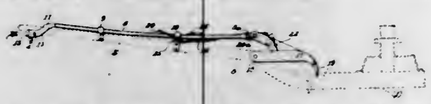
2. In a duplex frame of the character designated, the combination of a basic section formed with an inner circumscribing flange, a groove, and a marginal flange extending laterally in a plane at right angles to the said groove and circumscribing flange and adapted to hold the bight of the edge of the flexible screen, a binding section formed with a tongue fitting in said groove in the basic section, said flexible screen, and means for detachably securing the basic section and the binding section together, together with spring clips for tentatively securing the bights of the edges of the screen to the said marginal flanges on the base section, for the purpose described.

1,464,371. SPARE-TIRE HOLDER. IRA E. SISK, East St. Louis, Ill. Filed June 21, 1922. Serial No. 569,804. 3 Claims. (Cl. 224—29.)



1. A spare tire holder including a stationary member, radial arms on the stationary member having tire receiving portions on their outer ends, a rotatable member supported on the stationary member, bolts longitudinally slidable on the radial arms and engaged through the tire receiving portions of the arms, and links on the rotatable member and connected with the bolts for moving the latter transversely of the tire receiving portions.

1,464,372. SLED BRAKE. JOHN E. SODERSTROM, Stockholm, Me. Filed Apr. 18, 1922. Serial No. 554,689. 5 Claims. (Cl. 188—128.)

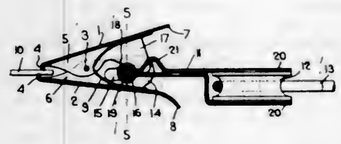


1. In a sled brake of the type described, the combination with a sled frame and tongue, of a resiliently mounted rod slidably associated with the tongue, brake shoes pivotally connected to the rear end of the rod, the forward end of the tongue having a vertical slot therein, a head carried by the forward end of the rod having a reversely curved blade portion extending through the tongue and the forward end of the blade disposed beneath the tongue and anti-friction rollers carried by said blade engaging the lower side of the tongue, a hook carried by said rod and hinged strap carried by said tongue adapted to engage said hook to hold the rod rigidly positioned relative to the tongue.

1,464,373. PROCESS FOR THE REGENERATION OF ANHYDROUS ALUMINUM CHLORIDE. GORDON R. STEUART, Denver, Colo., assignor of one-third to A. H. Hirsig and one-third to William C. Hollister, both of Denver, Colo. Filed Nov. 26, 1921. Serial No. 517,966. 6 Claims. (Cl. 23—13.)

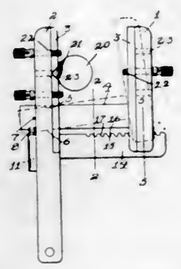
1. The method for the separation of anhydrous aluminum chloride from petroleum coke, which consists of oxidizing the carbon to the gaseous state, thereby liberating the occulded aluminum chloride, converting the latter to aluminum oxide and chlorine, subjecting the aluminum oxide and chlorine to further heat in a reducing atmosphere, whereby the aluminum oxide and chlorine combine to form anhydrous aluminum chloride.

1,464,374. GRIPPING DEVICE OR CLASP. ANDREW O. VESTINE, Watertown, Mass., assignor to Watertown Pressed Steel Company, Watertown, Mass., a Corporation of Massachusetts. Filed Nov. 30, 1921. Serial No. 518,809. 2 Claims. (Cl. 24—251.)



1. A gripping device comprising two gripping members pivoted together intermediate of their ends and each provided with gripping jaws at one end, a spring acting on the gripping members and tending to close the jaws, one of said members having two side wings each provided with a slot, a pin operating in said slots, the other member having side wings overlapping the slotted side wings and provided with cam faces with which the pin is adapted to engage, and a connecting member connected to the pin and by which said pin may be moved in said slots, said pin when moved toward the rear of the slots acting on the cam faces and thereby closing the jaws, said cam faces permitting movement of the pin to the front of the slot without opening the jaws, said gripping members having finger pieces at the ends opposite the jaws by which the jaws may be opened.

1,464,375. WORK HOLDER AND CLAMP. CHARLES A. VIDINGHOFF, Rochester, N. Y. Filed Feb. 15, 1921. Serial No. 445,118. 10 Claims. (Cl. 77—55.)



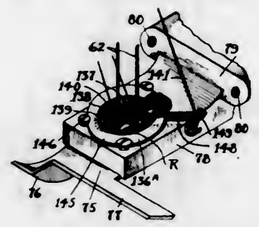
1. A tool of the character described comprising two jaws, each provided with a bar extending laterally therefrom toward the other jaw, the bar on one of the jaws having a rocking and sliding movement on the other jaw beyond the inner end of the arm on such other jaw, and the other bar cooperating with the first mentioned jaw to support the latter independently of the rocking and sliding connection.

1,464,376. COMBINATION VALVE AND DUST CAP. WILLIAM WILSON WAINWRIGHT, Tacoma, Wash. Filed Nov. 22, 1921. Serial No. 517,054. 8 Claims. (Cl. 152—12.)



1. In a combined valve and dust cap, in combination, a casing adapted to be removably mounted on the valve stem of an inner tube, a slidably mounted follower located within the casing and adapted to engage and seal the end of the valve stem, a screw rotatably mounted in one end of the casing and operable from outside the casing, a nut on the screw adapted to be adjusted vertically within the casing by the rotation of the screw, and a compression spring engaging between the nut and follower.

1,464,377. SEWING MACHINE. JOHN P. WEIS, Nyack, N. Y., assignor to Metropolitan Sewing Machine Corporation, Nyack, N. Y., a Corporation of Delaware. Filed Mar. 29, 1921. Serial No. 456,729. 74 Claims. (Cl. 112—100.)



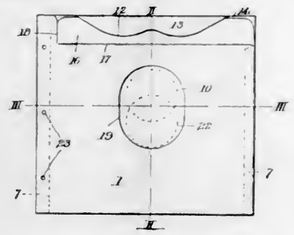
1. In a sewing machine, the combination of stitching mechanism, looper mechanism, cross thread carrying means movable in a continuous direction, and thread conducting means operative to conduct the thread to the cross thread carrying means, said thread conducting means being restrained from rotation about said stitching mechanism.

52. In a sewing machine, the combination of stitching mechanism, cross stitching mechanism cooperating therewith and comprising means having spaced thread engaging members, and means for moving said members in a path to engage and be disengaged from the thread.

1,464,378. ENVELOPE FOR DISK RECORDS. WILLIAM WILBURGER, Brooklyn, N. Y. Filed Dec. 28, 1921. Serial No. 525,353. 14 Claims. (Cl. 129—20.)

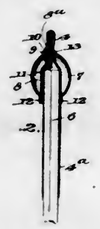
1. An envelope of the character described having a plurality of compartments of different sizes, there being registering openings of elliptical shape formed in the walls of said compartments for displaying the titles of different sizes of records arranged therein.

3. An envelope of the character described formed from a single piece of material folded with one end portion arranged between its central portion and other end portion to form separate compartments, there being an entrance to one compartment formed along the fold between one end portion and the middle portion substantially as described.



12. An envelope of the character described having a plurality of compartments separated by an intermediate partition, there being perforations formed along one edge of the envelope for mounting the same in a binder, said perforated edge having more thicknesses of material than the outer walls of the compartments and the intermediate partition between them.

1,464,379. DOOR CURTAIN FOR VEHICLES. DANIEL M. WINANS, Binghamton, N. Y., assignor to The Brewer-Titchener Corporation, Binghamton, N. Y., a Corporation of New York. Filed Mar. 7, 1921. Serial No. 450,175. 1 Claim. (Cl. 296—139.)



The combination with a vehicle curtain provided with a sheath adapted to receive a supporting rod, of a two-part cap comprising members arranged on opposite sides of the sheath, one of the members being provided with prongs, the other member having openings, said prongs passing through the curtain and being engaged with the other member of the cap and bent through the openings aforesaid into the interior of the last-named member and against the sheath.

1,464,380. HOSE SUPPORTER. WALLACE G. AGEE, Louisville, Ky., assignor of one-half to Maurice Bell, Eminence, Ky. Filed Dec. 28, 1921. Serial No. 525,396. 2 Claims. (Cl. 24—245.)

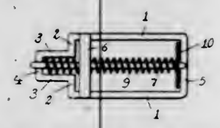
1. A garment fastener comprising a two-ply continuous flexible strip bent upon itself between its center and the inner end to provide an outwardly projecting lengthwise extending overlap, spaced rows of stitching for securing said overlap to the remaining portion of said strip thereby providing a short loop and a long loop extending outwardly from said short loop, one of the rows of said rows of stitching arranged between the center and outer end of the overlap and the other row of stitching arranged between the center and inner end of said overlap, a row of stitching for securing the opposed plies of said long loop together in proximity to the outer end of said member, a rigid rectangular support positioned against and transversely of the outer face of the outer ply at the outer end

of the long loop and having its ends extended between the plies of the long loop inwardly of the outer end of said strip, said support carried by the long loop outwardly with



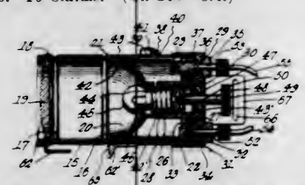
respect to said last mentioned row of stitching, a fastener element projecting laterally from said support, and a fastener element connected to the outer end of the short loop and cooperating with said element.

1,464,381. BUCKLE. CHARLES R. AMIDANO, Boston, Mass. Filed July 10, 1922. Serial No. 574,100. 4 Claims. (Cl. 24—188.)



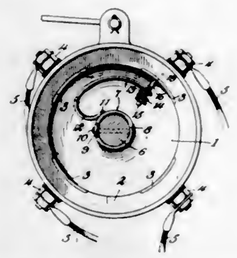
1. A buckle having a frame, a tongue pivoted to one end of said frame and bearing against the other end of the frame, a helical spring mounted on said tongue, and a strap penetrated by said tongue and pressed by said spring toward the free end of said tongue.

1,464,382. ELECTRIC LAMP. RICHARD MAX EATON, Niagara Falls, N. Y., assignor, by mesne assignments, to A. L. Schellhammer. Filed Jan. 26, 1922. Serial No. 531,920. 10 Claims. (Cl. 240—8.4.)



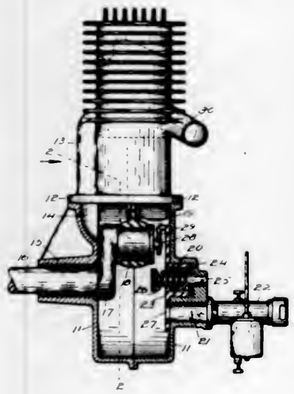
10. In an electric lamp of the character described, a casing, a lens carried thereby, a guide device held within the casing, a socket slidable within the guide device, a bulb carried by the socket and having an interior terminal and an exterior terminal engaging said socket, means for effecting the longitudinal movement of the socket within the guide device including a manually operated element engaging the interior terminal of the bulb, means for connecting the manually operated element with one pole of a source of current, and means for connecting the socket with the opposite pole of the source of current.

1,464,383. TIMER FOR AUTOMOBILES. MILTON FORDER, Thief River Falls, Minn. Filed Mar. 17, 1921. Serial No. 453,082. 5 Claims. (Cl. 200—26.)



3. In an automobile timer structure, a rotatable contact brush comprising a wire helix for attachment to the timer shaft to rotate therewith, and having its end bent and exended lengthwise of the helix, then bent into a curved arm substantially radial to the axis of the helix, and then bent in trailing relation to the helix in the direction of rotation, and provided at the free end with a contact positioned to wipe over stationary timer contacts.

1,464,384. INTERNAL-COMBUSTION ENGINE. CLARENCE E. GARY, Syracuse, N. Y. Filed Nov. 3, 1921. Serial No. 512,537. 2 Claims. (Cl. 123—73.)

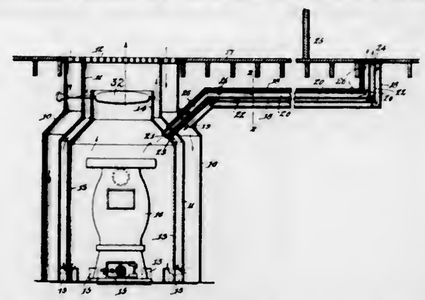


1. In an internal combustion motor, a crank casing having a shaft bearing in one side and a socket at the other side opening into the casing and in longitudinal alinement with the bearing, said casing having an intake port therethrough at the same side as the socket and spaced therefrom, a shaft engaging in said bearing and having a crank and a crank pin operating in said casing, a plate valve bearing upon the inner face of the casing and provided with a lug engaging in said crank pin and with a slot registering intermittently with the intake port, and means for coupling said valve to said crank pin and rotative thereby.

1,464,385. CONDUCTOR FLUE FOR FURNACES. NOBLE M. HARTZELL, Philadelphia, Pa. Filed Aug. 23, 1922. Serial No. 583,887. 2 Claims. (Cl. 126—99.)

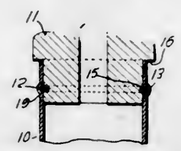
1. In a hot air furnace comprising an outer shell and an intermediate shell communicating with a room, an inne shell terminating below the upper line of the intermediate shell and spaced therefrom, an outer flue leading from the outer shell, an inner flue leading from the inner

shell and enclosed by the outer flue, and an intermediate flue leading from the space between the intermediate and



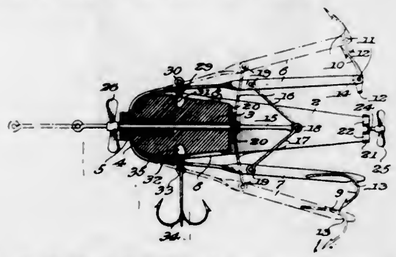
inner shells and extending between the inner and outer flues, and providing an envelope which protects the inner flue from the cooler air passing through the outer flue.

1,464,386. JOINT. WALTER M. INGRAM, Baltimore, Md. Filed Nov. 15, 1921. Serial No. 515,310. 3 Claims. (Cl. 285—9.)



1. A joint for a pipe and a contained cylindrical member comprising the formation in said pipe of an interior circumferential groove and in the cylindrical member an exterior groove registering with the groove of the pipe, said groove comprising a radial socket and an chordal portion adjacent said radial socket, the material of said pipe being cut through at one point permitting the insertion therethrough of the extremity of a wire to occupy the registering grooves and to bend downwardly over the chordal part of the groove in said cylindrical member.

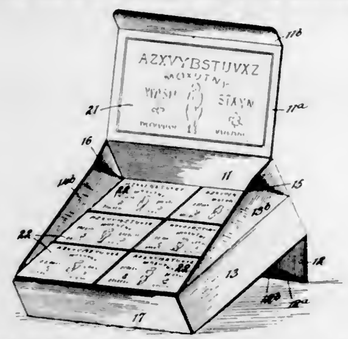
1,464,387. ARTIFICIAL-BAIT TRAP. JOHN MARTIN KISHPAUGH, Newton, N. J. Filed Sept. 19, 1922. Serial No. 589,115. 9 Claims. (Cl. 43—35.)



2. In an artificial bait trap, the combination with spring-actuated expanding arms carrying hooks and releasable trigger mechanism for holding said arms in folded relationship, of a toggle joint connecting the spring arms, and means operably connected to the fishing line adapted for setting said toggle joint to lock the arms in expanded position.

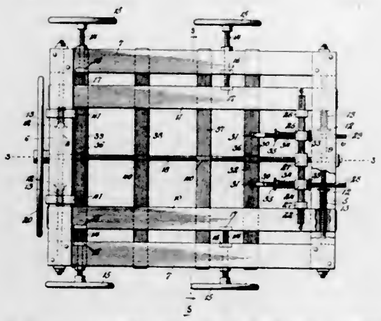
1,464,388. COLLAPSIBLE DISPLAY CARTON. RUSSELL ARTHUR LAMBERT, Springfield, Mass. Filed Jan. 22, 1921. Serial No. 439,173. 8 Claims. (Cl. 206—44.)

1. In a display carton, four side portions, a cover portion integral with one of the side portions, cover bracing flaps each integral with one of the side portions and also integral with the cover, and a bottom portion integral with the fourth side portion and having securing means



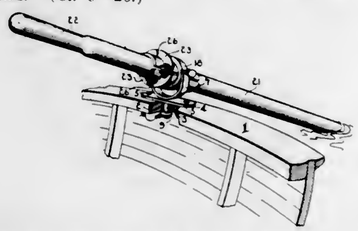
adapted to be made fast to more than one of the side portions, whereby the box is held in set up position.

1,464,389. FURNITURE CLAMP. JETER M. LANCASTER, High Point, N. C. Filed Jan. 10, 1922. Serial No. 528,189. 12 Claims. (Cl. 144—291.)



1. A furniture clamp comprising a pair of oppositely-disposed side clamping members, an end clamping member movable between the pair of side clamping members, and a movable base composed of a series of spaced bars which are arranged for movement toward and from each other, one of said bars being connected to and movable by the end clamping member.

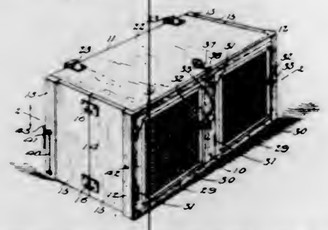
1,464,390. OARLOCK. ANGUS P. MALLOY, Jr., Seattle, Wash. Filed Mar. 14, 1922. Serial No. 543,700. 5 Claims. (Cl. 9—26.)



1. An oar lock comprising a yoke having a vertically disposed shank adapted to be pivotally mounted in the gunwale of a boat, means engaging the shank to permit it to rotate but prevent its withdrawal, the upper ends of the arms of the yoke having alined openings with entrance throats, a ring located between the arms of the yoke and provided with diametrically opposite trunnions adapted to rest in the openings of the yoke arms, said trunnions having flattened faces reducing the diameters

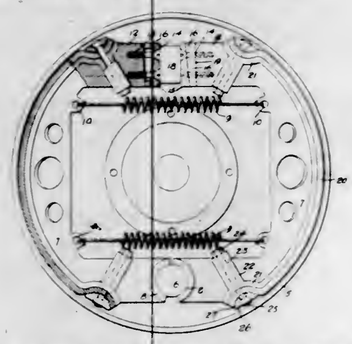
thereof and permitting the trunnions to enter the throats of the yoke arm openings only when the ring is turned horizontally and pins bridging the throats to prevent the removal of the trunnions when the ring is in this position.

1,464,391. FOLDING CASE. JOSEPH W. O. ORBAN, Brooklyn, N. Y. Filed May 18, 1922. Serial No. 561,908. 3 Claims. (Cl. 217—14.)



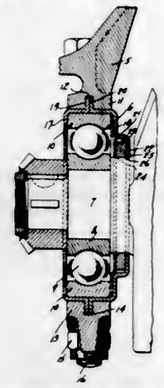
1. A folding or collapsible container embodying side walls having inwardly projecting rabbeted cleats at their inner and lower edges, inwardly foldable end walls consisting of a pair of sections hinged respectively to said sides at the opposite ends thereof and hinged to each other in parallel relation with the first mentioned hinged connection, a downwardly foldable bottom wall having hinged connection to one of the side walls within the same and adapted to be received within the rabbeted cleats for holding the side walls in relatively spaced relation and the end wall sections in alignment and against inward folding, a partition hingedly connected at one side with the inner portion of one of the side walls and adapted to be swung to a position transversely of the container with its free edge in abutting relation with the inner side of the opposite side wall and interengageable means carried by the free edge of said partition and the opposite side wall with which it engages for retaining the partition against movement, said partition constituting an auxiliary means for holding the side walls in separated relation and for retaining the bottom wall within the rabbeted cleats.

1,464,392. INTERNAL BRAKE. VICTOR W. PAGÉ, Kew Gardens, New York, N. Y. Filed Mar. 24, 1921. Serial No. 455,039. 1 Claim. (Cl. 188—78.)



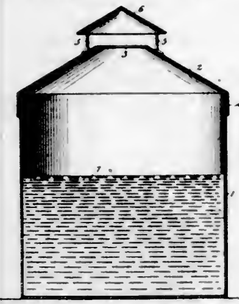
In an internal brake, a drum, a pair of brake shoes mounted within the drum and adapted to be expanded into engagement therewith, said brake shoes having two of their adjacent ends arranged in spaced relation, a cam interposed between said spaced ends, a wear block removably secured to each of said spaced ends, a slotted wedge block interposed between each of said wear blocks and its respective brake shoe, a plurality of serrations formed on each of said slotted wedge blocks and adapted for interengagement with serrations formed on its respective shoe, and securing means for the wear blocks, the securing means of each wear block passing through the slot of its respective slotted wedge block to secure the wear block and wedge block in position on its respective brake shoe.

1,464,393. BEARING CONSTRUCTION. VICTOR W. PAGÉ, Kew Gardens, New York, N. Y. Filed Nov. 7, 1921, Serial No. 513,538. Renewed June 8, 1923. 2 Claims. (Cl. 64—36.)



1. A bearing construction comprising a bearing support provided with a groove, a bearing, a housing therefor, means carried by the housing and adapted for engagement with the groove to center the bearing, and means carried by the housing for positioning a suitable packing relative to the bearing said packing-positioning means being formed integral with the housing.

1,464,394. ANT TRAP. JOHN WILLIAM POLLOCK, Soldiers Home, Sawtelle, Calif. Filed Mar. 3, 1922. Serial No. 540,754. 2 Claims. (Cl. 43—121.)

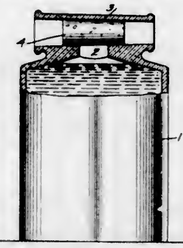


1. In a portable insect trap of the type including a bait chamber and detachable cover and hood elements, the combination of an open-topped cover having but a single chamber therein, said chamber being closed at its bottom and on all sides, and a mass of viscous liquid in the container, said mass being a combined bait and detent for ants reaching the same, the liquid being adhesive to detain ants reaching and touching the same and being of sufficient density to float the detained ants near the surface thereof but out of contact with the bottom of the container.

1,464,395. CONTAINER. PAUL G. ROSS, Poultney, Vt. Filed Sept. 16, 1921. Serial No. 501,112. 1 Claim. Cl. 215—31.)

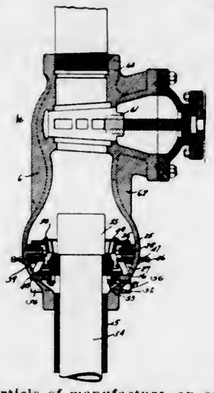
As a new article of manufacture, a receptacle having an opening in its top, and an open ended pouring spout extending transversely of the receptacle over the opening thereof and on opposite sides of the opening and communicating at about its center of length with said open-

ing, said spout being open at both ends and having a smooth unobstructed tapering passage and of a length to wholly house a cork in both its open and closed position,



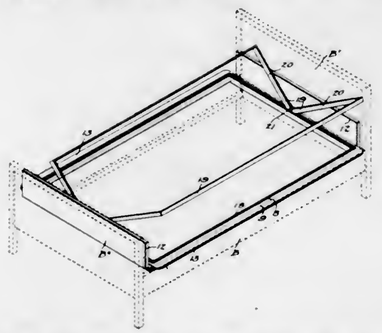
whereby the cork will be at all times concealed in the spout and can be moved back and forth therein to open and close the opening of the receptacle, so as to permit a portion of the contents of the receptacle to be poured out and the receptacle again closed.

1,464,396. WELL-DRILLING ATTACHMENT. HERBERT R. ROWLAND, East Orange, N. J. Filed Nov. 4, 1921. Serial No. 512,704. 16 Claims. (Cl. 166—15.)



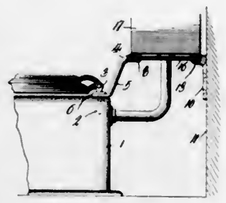
1. As a new article of manufacture, an attachment for well drilling apparatus, comprising a shell for mounting on the well lining, and adjustable means for gripping the well casing located in the shell.

1,464,397. ANTIVERMIN BED. LOUIS ROYÁK, New York, N. Y. Filed Oct. 3, 1922. Serial No. 592,033. 12 Claims. (Cl. 5—317.)



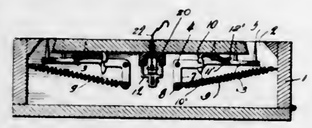
1. In an anti-vermin bed, the combination with the bed legs of a superstructure carrying clamping means for the side portions of the bottom sheet, said superstructure having a continuous pocket adapted to receive vermin-repelling material, such pocket completely surrounding the end and side portions of the sheet and the tucked-in portions of the sheet.

1,464,398. BRACKET FOR SUPPORTING CLOSET TANKS. EDMUND L. AHERN, Mount Gilead, Ohio. Filed June 20, 1922. Serial No. 569,764. 2 Claims. (Cl. 4—18.)



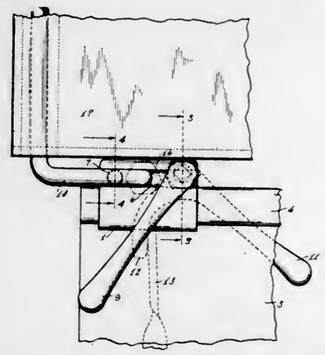
1. In combination, a toilet bowl, a toilet tank, and a bracket disposed between the tank and the bowl, said bracket including a pair of bracket arms having their lower ends supported on the bowl, a pair of rods having one end supported in the bracket arms and means at their other ends for support.

1,464,399. TRAP. JAMES F. ALLISON, McMinnville, Tenn. Filed Dec. 21, 1921. Serial No. 523,925. 2 Claims. (Cl. 43—88.)



1. In combination, a support, a pair of pivoted jaws on the support, means associated with the pivoted jaws for urging them to an engaging position, means for normally holding the jaws in a non-engaging position, a spring for actuating the last mentioned means, said spring including a lip, a spring pressed dog for normally engaging the lip so as to hold the spring in a non-actuating position, and means for actuating or releasing the spring pressed dog.

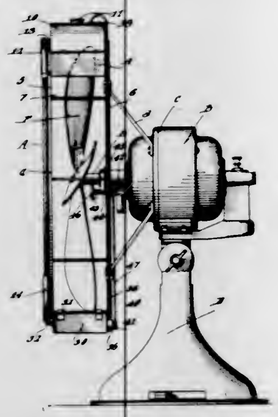
1,464,400. COMBINED DOOR OPENER AND CURTAIN CARRIER. HARRY AMBUS, Cleveland, Ohio. Filed June 23, 1922. Serial No. 570,374. 4 Claims. (Cl. 296—139.)



1. In a device of the class described, in combination, clamping members adapted to engage the top of an automobile door, a handle for the said door, means passing

through the said members for clamping them in assembled relation with the said door, and means comprising handles connected together on either side of the door and pivotally mounted in the said clamping members above the door for actuating the said door handle.

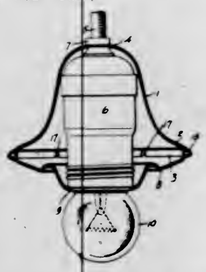
1,464,401. AIR-MOISTENER ATTACHMENT FOR FANS. TOM MOORE BENNETT, Irvington, N. Y. Filed Aug. 24, 1920. Serial No. 405,717. 6 Claims. (Cl. 261—30.)



1. The combination with an air fan a drive shaft and guard frame therefor, of an attachment for the fan for treating the atmosphere comprising a tank arranged above and carried by the frame, an arcuate pipe arranged in front of the frame and communicating with the said tank, a depending circular sheet carried by and communicating with the pipe, means connecting the sheet at certain points with the frame, and an arcuate trough carried by the lower end of the frame and receiving said sheet.

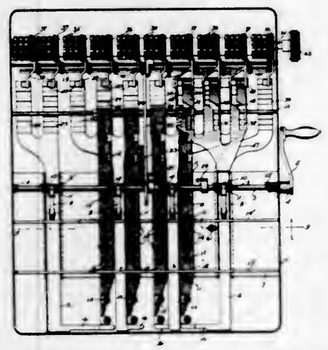
3. In a device for treating the atmosphere, a liquid storage tank, a pipe, means connecting the pipe with the storage tank, the pipe having a plurality of outlet nipples therein, a pair of fabric sheets, a wick carried by each one of the nipples and interposed between the fabric sheets, and spiral guide members coiled around said wicks and engaging said fabric sheets.

1,464,402. SOCKET COVER. MORRIS BERMAN, Brooklyn, N. Y., assignor to Reliance Metal Spinning & Stamping Company, Brooklyn, N. Y., a Corporation of New York. Filed June 16, 1921. Serial No. 477,991. 3 Claims. (Cl. 173—362.)



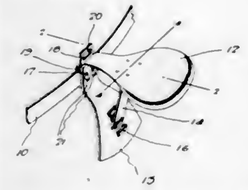
1. A socket cover comprising a body portion and a cover plate, an inwardly-extending flange on said cover plate arranged to receive the lower end of the body portion, and a detachable connection between the lower end of the body portion and the flange of the cover plate.

1,464,403. CALCULATING MACHINE. WILLIAM H. BERWICK, Syracuse, N. Y. Filed Aug. 23, 1921. Serial No. 494,461. 20 Claims. (Cl. 235—82.)



1. A machine of the character described, comprising a register, a device for operating the register, a plurality of movable selector members, a plurality of other members adapted to engage the selectors and limit the movement of the register operating device, and means operable to shift the position of one of said members relatively to the other.

1,464,404. BABY CARRIER. KARL S. BLEKASTAD, Stillwater, Wash. Filed Jan. 9, 1922. Serial No. 528,013. 4 Claims. (Cl. 224—6.)



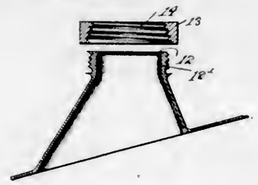
1. In combination, a seat, a supporting member therefor, said member being slotted for the reception of a belt or strap, and means carried by said member for detachable association with the seat for the purpose specified.

1,464,405. BRUSH FOR TALKING MACHINES. JOSEPH F. BORST and WILLIAM BORST, Brooklyn, N. Y. Filed Nov. 5, 1921. Serial No. 513,020. 1 Claim. (Cl. 274—1.)



A brush holder for the sound box of a talking machine, comprising two U-shaped frame members secured together and lying one within the other in spaced relation, the outer frame member having a loop formation at one side and provided with an integral brush carrying arm projecting from one edge, said arm being offset adjacent the frame and then curved downwardly and rearwardly under the frame members.

1,464,406. ROOF FLASHING. ALFRED G. BUTLER, Valleyford, Wash. Filed Aug. 24, 1922. Serial No. 584,120. 2 Claims. (Cl. 285—31.)



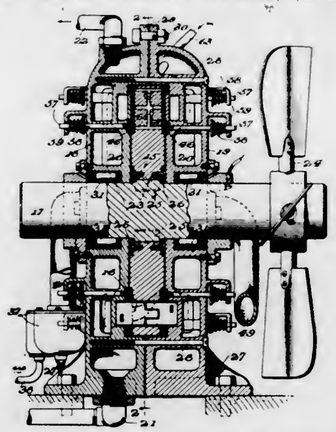
2. In a device of the kind described, a roof collar having a frusto conical body portion provided at its major end with a roof engaging flange and having its minor end thickened and threaded exteriorly, the threads of the minor end being substantially bolt threads, said collar being formed throughout of plastic metal and an inexpansible nut having a tapered and threaded opening and adapted to fit on the threads of the collar to compress and contract the thickened portion thereof.

1,464,407. BROODER. WARDEN G. CAMPBELL, Mason City, Ill. Filed June 9, 1922. Serial No. 567,085. 1 Claim. (Cl. 119—34.)



A building of the class described comprising a vertically movable floor, a shaft, means for rotating the same, chains connecting the shaft with the floor and means for holding the floor in adjusted position, such means consisting of vertically arranged racks and cross pieces having beveled ends for engaging the racks and upon which the floor rests.

1,464,408. ROTARY INTERNAL-COMBUSTION ENGINE. SHADE B. COLLIER, Orlando, Fla. Filed Mar. 1, 1922. Serial No. 540,119. 10 Claims. (Cl. 123—16.)



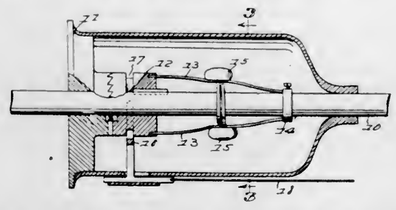
1. In a rotary internal combustion engine, a plurality of pistons, a rotor in which the pistons are laterally slidable, having angular channels at opposite sides of said pistons whose inner ends open through the same side of the rotor inwardly beyond the pistons and whose outer ends open through relatively opposite sides of the rotor, a stator in which the rotor operates having fuel receiving and charge compressing recesses to receive one end of the pistons at one side of the rotor and having recesses to receive the opposite ends of the pistons at the opposite side of the rotor forming explosion chambers and alternating with the said intake recesses circumferentially of the rotor, igniting means in said explosion chambers, and means carried by the stator to control communication between the inner ends of the said angular channels of the rotor.

1,464,409. EXTENSIBLE TABLE. ISAAC COOKLIN, Liverpool, England. Filed May 23, 1922. Serial No. 563,138. 1 Claim. (Cl. 45—112.)



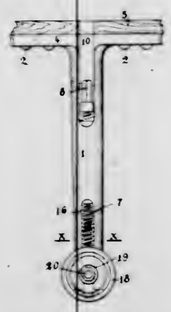
A loose leaf extension table, comprising a stationary frame, carrying table legs, an outer slide member having a pair of parallel bars slidably mounted in one side of said frame and a cross piece connecting said bars at one end, an inner slide member having a pair of parallel bars slidably mounted in the opposite side of said frame and having a cross piece connecting said bars at the ends corresponding to the cross piece on the outer slide, operating means connected to the cross pieces for oppositely moving said slides, table top portions mounted on the slides, a loose leaf supported by the slide members between the table top portions, bars carried by the leaf, cam blocks carried by the inner slide for engagement with the bars on the leaf, and projections on the outer slide member for engaging the edge of the leaf when below the top portions, whereby when the leaf is below the top portions and the operating means is operated to separate the slide members and the table top portions, the projections on the outer slide will engage the edge of the leaf and move it so that the cam blocks will engage the bars on the leaf for raising it into table top forming relation for enlarging said top, and in a subsequent operation of the operating means to slightly separate the table top portions and then draw them together, the bars and cam blocks will again cooperate to stow the leaf below the table top on the slide members.

1,464,410. BACKSTOP FOR VEHICLES. JAMES DAWSON, Belt, Mont. Filed May 12, 1922. Serial No. 560,313. 3 Claims. (Cl. 188—30.)



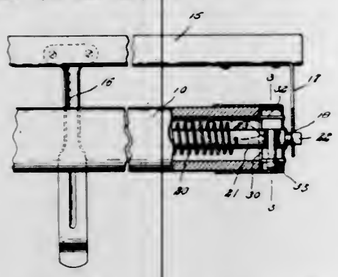
1. A back stop for motor driven vehicles having, in combination with the drive shaft, a clutch consisting of a fixed clutch member and a movable clutch member keyed to and rotatable with the drive shaft and longitudinally movable into engaging relation with the fixed clutch member, and centrifugally controlled means carried by the drive shaft for withdrawing the movable clutch member from engagement with the fixed clutch member.

1,464,411. TIGHTENING DEVICE FOR DRIVING BELTS. EGIDIO OTTAVIO DI GENOVA, Rome, Italy. Filed July 11, 1922. Serial No. 574,160. 2 Claims. (Cl. 64—5.)



1. A tightening device of the character described, comprising, a work plane, a support connected to the plane, a pulley carried by the support, the support being in the form of a sleeve, a central screw thread in the support, a screw received by the screw thread, a pivot carried by the pulley, the lower end of the screw being connected to the pivot and the upper end of the screw being formed to receive a key, and an aperture in the work plane, for receiving a key.

1,464,412. SHADE ROLLER. FRANK DILLON, Spiceland, Ind. Filed May 16, 1921. Serial No. 469,891. 3 Claims. (Cl. 156—27.)



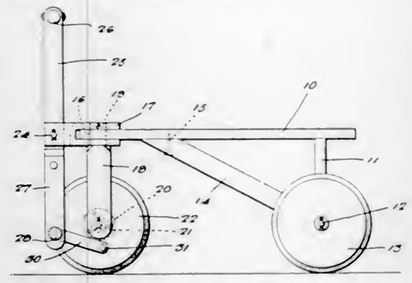
2. A device of the class described, comprising a roller having a longitudinal bore, a shaft mounted within the bore, a spring to be wound upon the rotation of the roller independently of the shaft, said shaft including a trunnion having an angular end portion, a rod extending longitudinally of the roller provided with brackets for mounting the roller, one of the brackets being slotted for cooperation with the angular trunnion, engaging devices rigid with reference to the end of the roller, and a headed pin slidable transversely through the trunnion and proportioned to pass freely between the engaging devices or to come into locking engagement therewith depending upon the position of the pin with reference to the trunnion, the movement of the pin in one direction being limited by the head thereof.

1,464,413. RENEWABLE PRIMARY DRY-CELL BATTERY. WALTER SCOTT DOE, Kent, Ohio. Filed May 2, 1921. Serial No. 466,035. 4 Claims. (Cl. 204—38.)



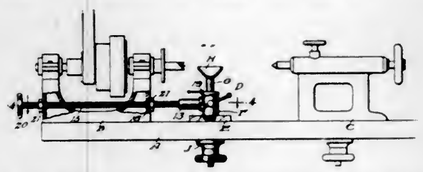
3. In a renewable primary dry cell battery, a zinc plate bare on one face and provided at the other face with an insulating coating and with protuberances bare at the points, a pan of a conducting material and having its sides, ends and top covered with an insulating material, a renewable filling in the said pan and combining a depolarizer and excitant, and a lining of a moisture absorbing material attached to the bare face of the said zinc plate and overlying the top of the pan and the filling contained therein.

1,464,414. CHILD'S VEHICLE. EVANDER M. FINCH, Whitehall, N. Y., assignor of one-half to John H. McCarthy, Whitehall, N. Y. Filed Apr. 1, 1922. Serial No. 548,663. 2 Claims. (Cl. 208—33.)



1. A toy vehicle of the character described comprising a platform supported above rear wheels, a yoke pivoted for horizontal swinging movement on the forward end of the frame, said yoke having its rear portion bifurcated and straddling the forward end of the platform, the yoke projecting beyond the forward end of the platform and having said forwardly projecting portion vertically bifurcated, a fork secured to and depending from the rear portion of the yoke and carrying a front wheel, a swingable lever pivoted within said vertical bifurcation and a driving connection between the lower end of said lever and the front wheel.

1,464,415. ATTACHMENT FOR LATHES. DOMENICO P. FONTANA, New York, N. Y. Filed Apr. 6, 1922. Serial No. 550,070. 4 Claims. (Cl. 82—6.)

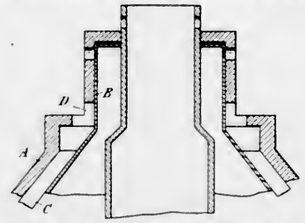


1. An attachment for lathes comprising means detachably associated with the head or tail stock and longitudinally adjustable of the lathe, and means for detachably coupling the inner end of the first means with the tool rest support, said tool rest support being laterally adjustable with respect to the latter means.

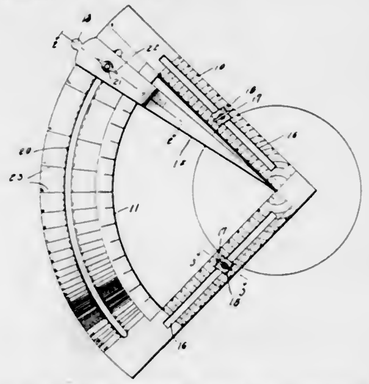
1,464,416. LIQUID-DISCHARGE MEANS IN BOWLS OF CENTRIFUGAL SEPARATORS. ERIK AUGUST FORSBERG, Stockholm, Sweden, assignor to Aktiebolaget Separator, Stockholm, Sweden, a Corporation. Filed May 18, 1922. Serial No. 561,898. 3 Claims. (Cl. 233—46.)

1. In centrifugal separators in which the liquid is conducted from the periphery towards discharge openings positioned nearer to the center between the end of the bowl and a disk-like upper plate situated within said end, one or more strips being provided between the end of the bowl and the disk-like plate, an arrangement for effecting uniform discharge of the liquid along the whole width of the discharge openings, characterized in that

the inner side of the openings is eccentric in relation to the axs of rotation and so formed that the distance between said inner side and the axis has the least magnitude at that end of the opening following next to a strip in the direction of rotation and increases, according as the distance from the strip increases.

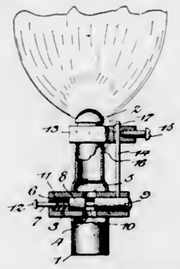


1,464,417. CIRCLE DIVIDER. WILLIAM GARLAND, Clinton, Mass. Filed Feb. 14, 1922. Serial No. 536,407. 9 Claims. (Cl. 33—75.)



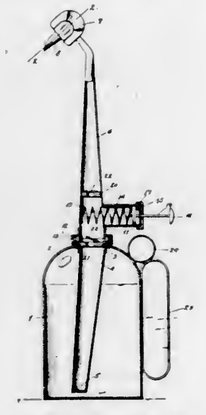
1. A circle divider having a quadrant provided with right angularly disposed graduated radial arms terminally connected by a segmental bar said arms and bar being respectively provided with linear and angular graduations, guides adjustably mounted upon the radial arms for engagement with the periphery of a disk or circle to be divided, and an indicator pivotally mounted upon the quadrant for swinging movement about the inner angle of the radial arms as an axis.

1,464,418. AUTOMATIC GAS CUT-OFF. ABRAHAM J. GILDEN, Brooklyn, N. Y. Filed Aug. 3, 1920. Serial No. 400,957. 1 Claim. (Cl. 67—116.)



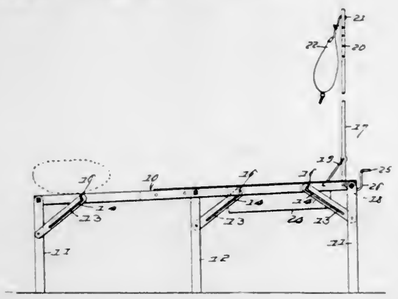
A valve and burner structure including a valve casing having an aperture, a burner in communication with said aperture, a bleed opening in said burner, a valve plug movable in the wall of said casing and a thermally actuated rod located at one side of the burner and having one end freely extending into the valve casing and positioned with respect to the plug so as to positively and directly bind same against movement in the wall of said casing on expansion of said thermal means, a manually controlled portion on the plug and resilient means for moving the plug to a closed position with respect to said aperture on contraction of said thermally actuated means.

1,464,419. LIQUID CONTAINER. WALTER K. GILL, Walker Springs, Ala. Filed Jan. 4, 1921. Serial No. 434,973. 1 Claim. (Cl. 221—51.)



In a liquid container provided with an opening, a collar secured in said opening, a tube reaching from near the bottom of the container through and beyond said collar to form a spout at its outer extremity and tapering in both directions from said collar a reinforcing sleeve on said tube provided with an annular flange adapted to engage with said collar, and a clamping member having threaded engagement with said collar and adapted to secure said sleeve and tube on said collar, a pumping device being arranged on said tube adapted to deliver liquid from said container to said spout.

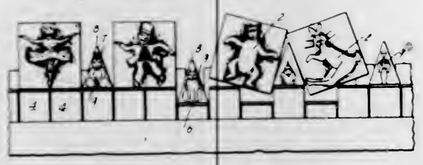
1,464,420. DOUCHE TABLE. LIZZIE GISH, Modesto, Calif. Filed June 9, 1920. Serial No. 387,633. 1 Claim. (Cl. 45—50.)



A device for the purpose indicated having a frame and a top supported thereby, the frame being provided with foldable supporting legs of different lengths to dispose the top in an inclined position downwardly from the foot end toward the head, the top being formed with a rectangular opening adjacent the foot end, a depressed tray carried by the top below the opening and closed on all sides so as to be accessible only through said opening, thereby adapting the tray for the reception of a receptacle to maintain

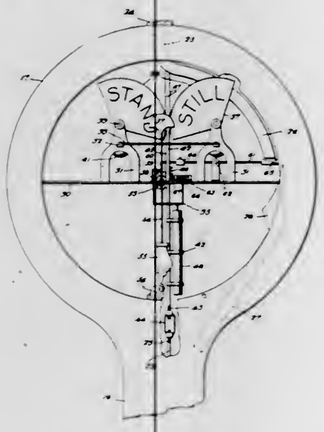
the latter in a plane below the surface of the table and in unobstructing relation therewith, a foldable standard carried by the frame, and an adjustable douche bag support carried at the upper extremity of the standard.

1,464,421. JUVENILE BLOCKS. WALTER C. HADLEY, New York, N. Y., assignor to Central Talking Machine Shop, Inc., New York, N. Y., a Corporation of New York. Filed Aug. 20, 1920. Serial No. 404,968. 2 Claims. (Cl. 46—40.)



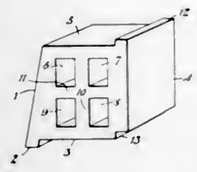
1. A set of juvenile blocks comprising a plurality of blocks provided with substantially rectangular faces, one face of which is substantially the width of two white keys of a piano, and a plurality of spacing blocks having inclined sides and a base substantially the width of a single white key of a piano, the spacing blocks being of less height than the other blocks, and all of said blocks bearing upon one face amusing pictures.

1,464,422. WEIGHING MACHINE. WILLIAM C. HALL, Greenville, S. C. Filed May 23, 1921. Serial No. 471,688. 2 Claims. (Cl. 265—62.)



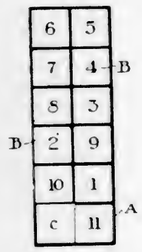
1. A weighing machine comprising a base member, a pedestal rising therefrom, a head member upon the upper end of the pedestal a platform, associated with the base member, a series of pivoted levers and links arranged within the base member and supporting the platform, a rod extending vertically through the pedestal and operatively connected with the levers and links whereby to be moved downwardly when a weight is placed upon the platform, said head member being formed with a relatively large central opening, a scale arranged at the periphery of said opening and designating pounds, a transverse support within the head member at substantially the center thereof, a horizontally disposed shaft journaled upon said support, an indicator mounted upon said shaft and movable over said scale, a gear on said shaft, and rack teeth formed on said rod and meshing with said gear whereby to effect rotation of the latter and consequent rotation of the indicator when weight is placed upon said platform, and coin-controlled means normally holding said shaft against rotation, a pair of supporting members secured upon said transverse support, segments journaled upon said supports and having toothed peripheries, rack teeth formed on the upper portion of said rod and meshing with the toothed peripheries of said segments, arms carried by said segments, and weights on said arms whereby said segments meshing with the second named rack teeth will tend to retard movement of the rod.

1,464,423. CLAY SHINGLE BLOCK AND WALL CONSTRUCTION. ARTHUR HARDONCOURT, Jr., Richmond Hill, N. Y. Filed Apr. 13, 1918. Serial No. 228,471. 4 Claims. (Cl. 72—41.)



1. A tile provided with opposite faces each terminating at one edge in a flange projecting beyond the body portion, one of said faces being relatively inclined.

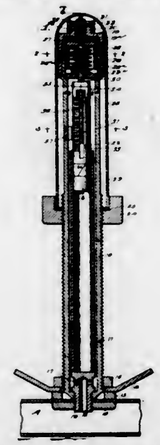
1,464,424. PUZZLE. LOUIS H. HARTMAN, Pittsburgh, Pa. Filed Mar. 17, 1921. Serial No. 453,069. 6 Claims. (Cl. 46—41.)



1. A puzzle comprising a holder, a plurality of blocks in the holder of the same size, there being one less block than the holder will accommodate in order to provide a space capable of accommodating a single block, which space permits all of the blocks to be moved around in the container but only one at a time, said blocks being consecutively numbered so that when arranged to solve the puzzle, the sums of the numbers on any transverse row of blocks in the container is equal to the highest number of the series.

1,464,425. SAFETY VALVE AND PRESSURE INDICATOR FOR AUTOMOBILE TIRES. WARD E. HEDGER, Waupun, Wis. Filed Apr. 11, 1922. Serial No. 551,618. 9 Claims. (Cl. 152—11.5.)

1. A tire valve including a body, an air tube within the body and extending from an end thereof, a sleeve movable longitudinally relatively to said air tube and bearing indicating means, a valve controlling the outer end of the body, the stem of the valve extending into said sleeve and having an indicating element thereon to coact with the indicating means on the sleeve, and a trip element movable

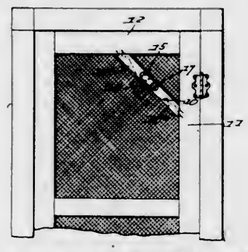


with the sleeve and subject to excessive pressure in the body to move forwardly and engage said trip member on the stem for moving the stem and unseating said valve.

1,464,426. ROLLED BELT LACING. HENRY HEMMERDINGER, Brooklyn, N. Y. Filed Mar. 9, 1922. Serial No. 542,413. 1 Claim. (Cl. 206—46.)

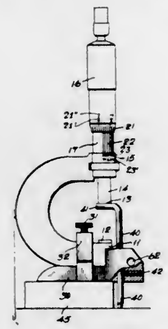
In a package designed for use in trade, a container, and a plurality of like units of grease containing belt lacing arranged therein in roll formation and side by side the units forming a set and each unit being of a length determined by the size and character of a given belt and being freely and independently removable as a unit in roll formation and without disturbing the other units whereby a length of lacing of the exact length desired may be obtained without cutting and without displacing the complementary units of the set.

1,464,427. SCREEN-DOOR BRACE. SPURGEON HEWITT, Bridgeport, Conn. Filed Nov. 11, 1920. Serial No. 423,293. 1 Claim. (Cl. 156—14.)



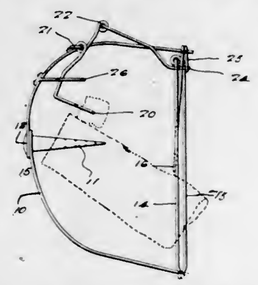
A brace for screen doors and the like consisting of a bar provided with beveled or obliquely cut terminals for arrangement in contact with the inner edges of the hinge and top rails of a door frame, and with the bar in diagonal relation to said rails, and provided at its beveled extremities with projecting spurs or pins for engaging said door frame rails, said bar consisting of relatively movable sections or members hinged together at their adjacent extremities and means for securing said sections or members in their extended or aligned relation, said means consisting of cleats carried by one of said sections or members in overlapping relation with the adjacent end of the other section or member and provided in said overlapping portions with transverse slots, and set screws passing through said slots and engaging said other section or member.

1,464,428. COMBINED DEPTH AND HEIGHT GAUGE. LEO J. HOGARTY, Brooklyn, N. Y. Filed Nov. 11, 1920. Serial No. 423,449. 4 Claims. (Cl. 33—167.)



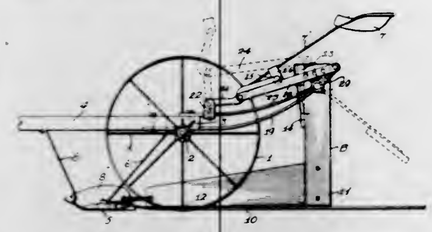
1. A combined height and depth gauge, comprising a micrometer caliper having a frame, an anvil stationary relative to said frame and an anvil movable relative to said frame, a base secured to said frame adjacent the stationary anvil, a rod slidably held on the said base and having an angular arm adapted to be engaged by said movable anvil, and an indicator mounted on the said base and having a movable contact adapted to contact with the surface of the object to be measured.

1,464,429. ANIMAL TRAP. PHILIP KAYAUKLUK, Unalakleet, Territory of Alaska. Filed Sept. 11, 1922. Serial No. 587,455. 5 Claims. (Cl. 43—93.)



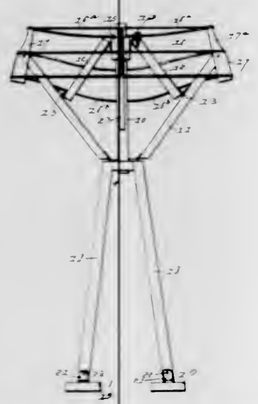
4. A trap comprising a plurality of jaws one of which is proportioned to pass around a supporting element, the other jaw being of U-form and movable with reference to the jaw passing around the supporting element, the jaws maintaining approximately parallel relation, a spring controlling the position of the movable jaw, the spring being of U-form, and a limb engaging device carried rigidly by the central portion of the U-element, and projecting in the direction of the flared ends of said U-element and between said ends.

1,464,430. MOWING-MACHINE ATTACHMENT. ERNEST E. KRANZ, Kirley, S. Dak. Filed Dec. 9, 1920. Serial No. 429,504. 1 Claim. (Cl. 56—295.)



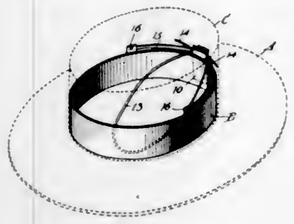
The combination with a mowing machine, of a dropper including a slatted drag frame, side boards riding on the drag frame, uprights secured to the side boards, a shaft mounted in the uprights, a gate secured to the shaft, said drag frame including a plurality of slats, certain of said slats extending under the gate, others of said slats being relatively short, and including upturned rear ends limiting the forward swinging movement of the gate, and means for positively locking the gate against accidental opening, said means including a pedal-actuated controller and a multi-pivoted operative connection between the controller and gate, such pivots being so disposed and arranged as to be located in a dead-center line when the gate is closed to lock the controller to prevent opening of the gate except by way of an upward and forward actuation of said controller, said pedal device of the controller comprising a stirrup to permit the foot of the operator to be used for pulling as well as pushing said controller.

1,464,431. GARMENT-DISPLAY STAND. ERNEST M. LE BLANC, New Orleans, La. Filed Nov. 15, 1921. Serial No. 515,246. 2 Claims. (Cl. 211—24.)



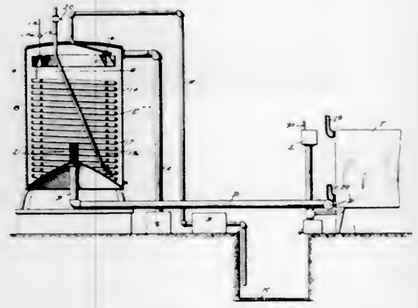
2. A garment display stand having an upright, upwardly divergent arms hingedly connected at their lower extremity to the upright, adjustable means for uniformly varying the angular relation between said arms and said uprights, and garment forms consisting of independent frames having shoes mounted upon the upper extremities of the arms and provided with forwardly and rearwardly directed wings, said shoes being channel shaped and disposed in straddling relation with the free extremities of said arms and having reduced or cut in portions at their upper ends to receive the waistband of a garment.

1,464,432. HAT-RETAINING DEVICE. OTTO H. LEMCKE, New York, N. Y. Filed Feb. 12, 1923. Serial No. 618,528. 4 Claims. (Cl. 132—59.)



4. A hat retaining device comprising a member having a passage or tunnel therethrough, and a strip of elastic having its ends passed through said passage or tunnel from opposite directions to maintain the elastic strip in looped form for encircling the head of the wearer, and a bowed resilient element with its medial portion passing through the tunnel or passage, the opposite ends of said element bearing against the inner sides of the head receiving opening for connecting the device with the hat, the said member being insertable between the sweat band and the crown to further serve as means for preventing displacement of the device.

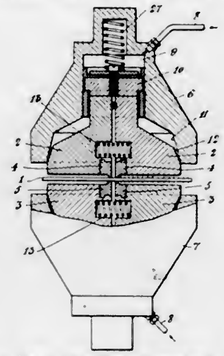
1,464,433. PROCESS OF AND APPARATUS FOR MANUFACTURING ICE. ROBERT F. LINDSAY, Columbia, S. C., assignor to Mary Evans Brown, Columbia, S. C. Filed May 24, 1921. Serial No. 472,050. 7 Claims. (Cl. 62—172.)



1. A process for manufacturing ice which consists in utilizing a refrigerant to freeze a body of water; in maintaining the body of water at a substantially constant volume while carrying off the precipitated impurities; in filtering the water in which the impurities are present while the same are at approximately 32° Fahrenheit; in utilizing the filtered water thus obtained to form commingled water and air; and injecting into the body of water the combination of water and air to agitate the body of water and replace the precipitated impurities with filtered water from which the ice is in part formed.

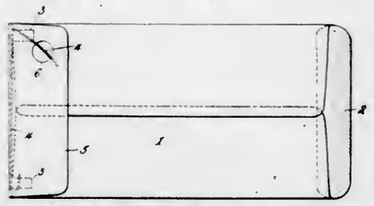
1,464,434. METHOD AND APPARATUS FOR MANUFACTURE OF FLANGES ON PLATES. FREDRIK LJUNGSTRÖM, Brevik, Lidingon, Sweden, assignor to Aktiebolaget Ljungstroms Angturbin, Stockholm, Sweden, a Corporation. Filed Mar. 18, 1921. Serial No. 453,526. 9 Claims. (Cl. 29—157.4.)

1. Process of producing ribs or flanges on plates or the like, as for instance on cooling elements, characterized by the ribs or flanges being formed by means of two jaws movable towards and from each other and



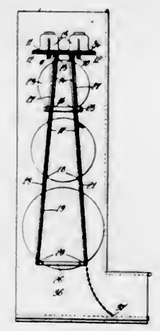
the plate, the jaws first being pressed into the plate in one direction and then forced together in another direction.

1,464,435. ENVELOPE. JOHN J. MCDERMOTT, New Orleans, La. Filed Jan. 27, 1921. Serial No. 440,444. 1 Claim. (Cl. 229—86.)



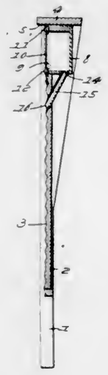
In means for the purpose set forth, the combination of an envelope body, a flap arranged integral on the end thereof, tabs formed integral on said end of the body near the upper and lower edges thereof, a cord that passes under and from one to the other of said tabs, one end of the cord being secured under one of the tabs, and an aperture in the flap under which the cord rests when the flap is secured to the envelope body, said aperture being arranged adjacent one of the tabs but out of registration with the tabs.

1,464,436. APPARATUS FOR WASHING CROCKERY AND OTHER DOMESTIC UTENSILS. WILLIAM JOHN NIXON MANN, Muswell Hill, London, England. Filed May 5, 1920. Serial No. 379,039. 1 Claim. (Cl. 141—9.)



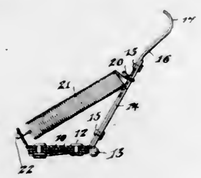
An apparatus of the class described comprising a cabinet composed of an upright portion and a laterally extending sink portion, means in said upright portion for supporting articles on edge and in spaced relation, a pair of parallel spraying pipes extending longitudinally within the said upright portion, and adjacent the upper end thereof, adapted to spray articles arranged above and below said supporting means, means for closing the front of said upright portion, said sink extending directly into and forming a part of said upright portion, so that articles in said sink may be simultaneously washed with those in said upright portion.

1,464,437. WASHBOARD. KATE MARCH, Jefferson City, Tenn. Filed Mar. 21, 1919. Serial No. 284,033. 1 Claim. (Cl. 68—29.)



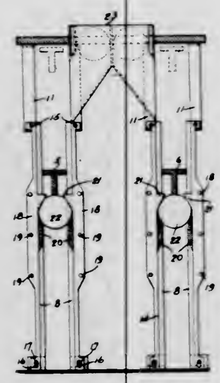
A wash board formed above the washing surface with an opening, a box like holder secured to said board and in said opening, a retaining strip having a pivotal connection at one terminal with the board above the opening and swingable to and from a position spanning the said opening, a pin carried by the board above the said opening and to one side of the pivotal connection of the retaining strip and adapted to enter a perforation formed in one end of the latter to hold the said strip in a position unobstructing the said opening, and a screw engaged with the board and which may be inserted through the perforation in the retaining strip to secure the latter in spanning relation to the said opening.

1,464,438. STARTING-CRANK HOLDER FOR AUTOMOBILES. JORGEN W. MARTIN, Mora, Minn. Filed Jan. 26, 1922. Serial No. 531,892. 4 Claims. (Cl. 74—33.)



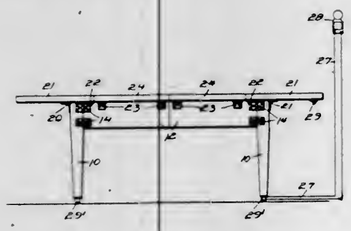
1. In a starting crank holder for automobiles provided with a headlight post, a bracket extending laterally from the post and adapted to be secured in place by the clamp nut normal to the post, a hinge carried by the bracket and terminating at the end remote from the hinge in a curved extremity adapted to receive and hold the handle end of the starting crank, and an extension spring between the bracket and the hinged arm having a normal tendency to hold the outer end of the hinged arm in elevated position.

1,464,439. VENDING MACHINE. FRANCIS FERDINAND MOLLOY, Montreal, Quebec, Canada. Filed Sept. 15, 1921. Serial No. 500,902. 3 Claims. (Cl. 194—63.)



1. A coin-controlled mechanism for vending machines, which comprises a plurality of flexible plates forming a passageway for a coin, a lever adapted to move in said passageway, means on said plates to support a coin inserted into said passageway, and means on said plates to limit the movement of the lever, said lever adapted to be moved to contact with the coin and spread said plates apart by reason of the engagement of the coin with the supporting means, whereby the lever-limiting means are moved out of the path of the lever so that the coin and the lever may move further downward along the passageway.

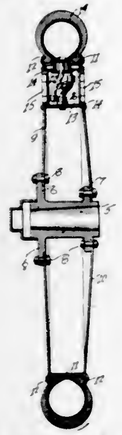
1,464,440. FOLDING TABLE. GEORGE A. C. MONROE, Geneva, Ill. Filed Nov. 17, 1922. Serial No. 601,527. 2 Claims. (Cl. 45—116.)



1 A folding table comprising supporting legs connected by rigid rail members and hingedly united rail members. outer leaf members hingedly united to the rigid rail members, and inner leaf members hingedly united to the hingedly united rail members.

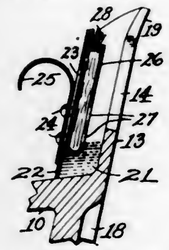
1,464,441. COMBINED WHEEL AND AIR TANK. CLYDE OSBORN, Milo, Calif. Filed Aug. 12, 1922. Serial No. 581,421. 4 Claims. (Cl. 152—11.)

4. A wheel for storing air therein comprising a hub provided with annular flanges, disc plates secured at their inner extremities to the flanges of the hub, a tread seating member formed on the opposite extremity of said disc plates and co-operating with said hub and plates to form a tank, said tread seating member adapted to receive thereon a pneumatic tire, and means formed in said plates for permitting access to the supply of air in said tank, said means comprising a sleeve brazed to said disc plates and



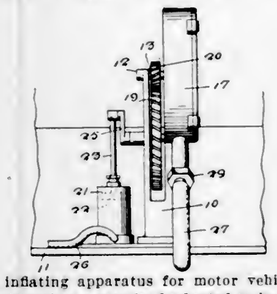
forming an auxiliary chamber, and inlet and outlet valves positioned in said chamber and connected to said tank and tire, for the purpose specified.

1,462,442. SHARPENING DEVICE FOR SHEARS. GEORGE N. PALSER, Worcester, Mass. Filed Aug. 11, 1919. Serial No. 316,537. 2 Claims. (Cl. 51—262.)



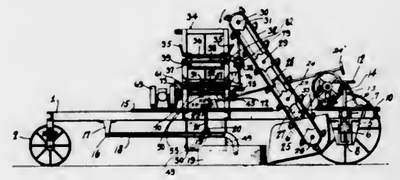
1. In a shear sharpening device, the combination of a pair of jaws for holding a shear blade in horizontal position, one of said jaws being provided with an oil reservoir. and means supported by one wall of said reservoir and bodily movable up into position for raising oil from said reservoir and applying the oil to a sharpening stone located above it and supported by the shear blade.

1,464,443. TIRE-INFLATING APPARATUS. ALPHONSE L. POWELL, Altus, Okla. Filed Nov. 22, 1920. Serial No. 425,877. 1 Claim. (Cl. 103—57.)



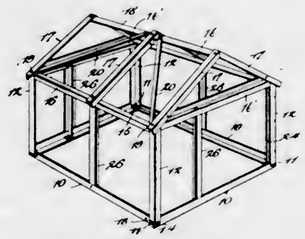
A tire inflating apparatus for motor vehicles comprising in combination, a standard adapted to be supported by the running board of the vehicle, a pump supported by the running board in juxta-position to the standard and including a reciprocating piston, a shaft journaled in the standard and having a crank portion connected with the upper end of the piston rod, a large gear fixed on said shaft, a casing supported by said standard and disposed to one side and slightly above one gear, a rotor arranged to operate in said casing, a jet projecting from said casing, a pipe adapted to establish communication between the jet and the exhaust manifold of the motor to operate the latter, said rotor including a shaft projecting from one side of the casing and journaled in the upper end of the standard, and a gear caried by said rotor shaft and meshing with the first mentioned gear as and for the purpose specified.

1,464,444. ROAD SCRAPER AND CONVEYER. PAUL V. RANDOLPH, Enfield, N. C. Filed Apr. 11, 1921. Serial No. 460,327. 1 Claim. (Cl. 37—108.)



A road scraper and conveyer comprising a wheeled frame, a scoop supported beneath the frame, scraper blades respectively disposed on opposite sides of the scoop in angular relation thereto for directing material into the scoop, means pivotally supporting the said blades and including a threaded rod penetrating the said frame, and means for adjusting the said blades vertically of the frame and said scoop, said adjusting means including a stationary nut threadedly engaged with the said rod and means for turning the nut on the said rod.

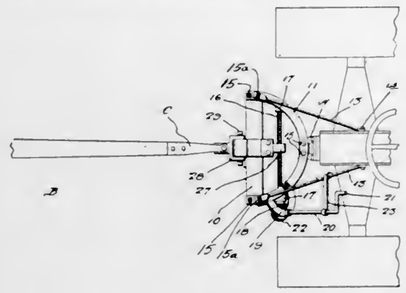
1,464,445. BUILDING CONSTRUCTION. WILLIAM L. ROSS, Jersey City, N. J. Filed Dec. 18, 1920. Serial No. 431,624. 5 Claims. (Cl. 189—1.)



1. A building comprising angle iron stringers and sills having portions of the ends of their upstanding flanges entirely cut away and lapped at their corners, and angle iron corner posts fitted into said portions of said sills and stringers and secured thereto.

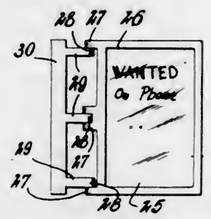
1,464,446. DRAFT HITCH. WILLIAM B. SCHILTZ, Caledonia, Minn. Filed Apr. 18, 1922. Serial No. 554,362. 1 Claim. (Cl. 280—33.10.)

A draft hitch comprising a plate, arcuate bars secured at their ends to the ends of said plate and secured at their center to the tractor, inclined brace bars connected at one end with the tractor and having their other ends secured to the junctures of the plate with the arcuate bars, bearings mounted between said arcuate bars, an operating screw journaled through said bars parallel with said plate, a carriage slidable along said plate, said carriage including a



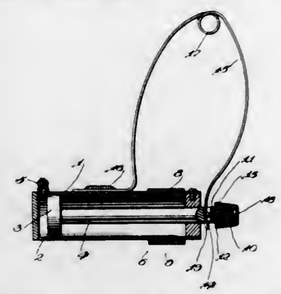
vertical elongated loop bearing, a yoke vertically slidably mounted within said loop bearing and means for turning said screw.

1,464,447. CALL DEVICE FOR PUBLIC ROOMS. JOHN K. SHVACHKA and ALEXANDER S. BIRNBAUM-SHESTAKOFF, New York, N. Y. Filed July 26, 1922. Serial No. 577,589. 4 Claims. (Cl. 88—26.)



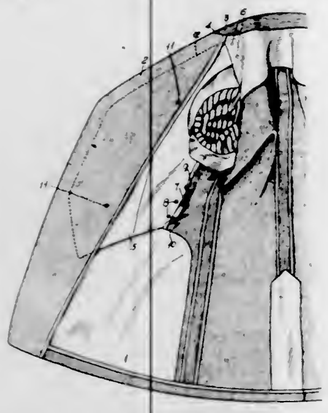
1. A paper holder comprising a backing having spaced edges, resilient fingers projecting in pairs from the edges of said backing, the fingers of each pair pressing against one another at their free ends, and plates hinged to free ends of said fingers.

1,464,448. DOORCHECK. CHARLES F. SILBERMAN, Maywood, Ill. Filed Sept. 23, 1922. Serial No. 590,154. 4 Claims. (Cl. 16—84.)



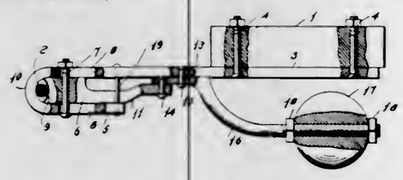
1. A door check comprising a barrel, a check valve in communication with one end of the barrel, a plunger operating therein, a stem connected to the plunger and extending beyond one end of the barrel, a resilient tip on the end of the stem, a spring having one end connected with the barrel and the other end passed through said stem, and a single screw for securing the tip and end of the spring to the stem.

1,464,449. GARMENT. AARON SILVERSTEIN, New York, N. Y. Filed Nov. 9, 1920. Serial No. 422,819. 1 Claim. (Cl. 2—61.)



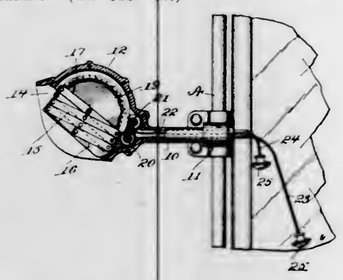
The combination with a coat having a facing, of a vest adapted when not in use to be disposed beneath the facing, fastening means on the coat and one end of the vest adapted to co-operate to join the vest and coat together, and an integral tab or lapel on the coat adapted to cover the fastening means on the coat and the vest.

1,464,450. SAFETY DEVICE FOR LOADING ELEVATORS. BENJAMIN F. SPARLING, Unionville, N. Y. Filed Mar. 2, 1922. Serial No. 540,642. 4 Claims. (Cl. 187—46.)



3. An elevator pull rope lock comprising a bracket arm provided with a relatively stationary jaw, a relatively movable jaw pivotally and slidably connected to the bracket arm, an angle lever pivoted to the bracket arm and having pivotal connection with the relatively movable jaw, and a weight carried by said lever.

1,464,451. AUTOMOBILE SIGNAL. HERSEY L. STAPLES, Duluth, Minn. Filed Aug. 5, 1922. Serial No. 579,860. 3 Claims. (Cl. 116—40.)



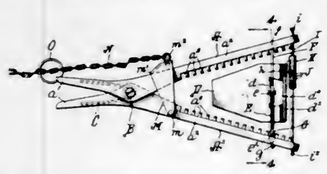
1. A signal device of the character described comprising a tubular support provided with clamping means for effecting mounting and carrying a casing having its outer edge and a portion of its bottom open, a grooved half disk journaled within the casing, lazy tongs having one endmost link secured upon said half disk and one end of the next adjacent link pivoted within the casing, a signal member mounted on the other end of the lazy tongs, and means for partially rotating said half disk whereby to effect projection and simultaneous upward swinging movement of the lazy tongs.

1,464,452. CLASP FOR JEWELRY. JOHN R. STARCK, Weehawken, N. J. Filed Aug. 24, 1922. Serial No. 584,114. 1 Claim. (Cl. 24—224.)



In a clasp for jewelry, a hollow shell member having a closed end and an open end, a slot formed in the side wall of said hollow member, said slot having an enlarged portion adjacent its closed end and extending from said enlarged portion to the open end of the shell member, the side walls of said slot converging whereby a contracted passage formed, a ball member adapted to be received within the shell member by insertion through the enlarged portion of said slot, and a shank carried by the ball member and adapted to pass through the contracted portion of said slot to the open end of the shell member, said shank being of a thickness whereby friction will be produced upon the shank as it passes through the contracted portion of the slot to prevent accidental displacement of the ball member with respect to the shell member.

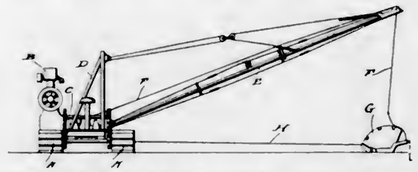
1,464,453. ANIMAL TRAP. DAVID P. STARK and GEORGE A. HIGBEE, Placerville, Calif. Filed Nov. 2, 1922. Serial No. 598,566. 8 Claims. (Cl. 43—88.)



6. An animal trap comprising two jaws pivoted together and provided with vertical webs having downwardly inclined teeth projecting inwardly from the upper edge thereof, said jaws having oppositely disposed arms, with a spring normally pressing said arms outward, with a pedal adapted to be mounted between said jaws, a link pivotally connecting the pedal to one of said jaws, with a trigger pivoted to said pedal and adapted to engage the opposite jaw, said link and said trigger forming a toggle joint, and means for normally holding said pedal in the operative position, but permitting same to be pressed downwards and thereby to break said toggle joint, a yoke having arms pivoted to one of said jaws, and its central transverse portion engaging the opposite jaw, a guide ring secured to one of said arms, and a fastening chain secured to said yoke and rove through said ring.

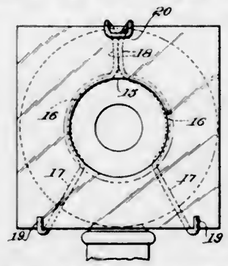
1,464,454. BUCKET. WILLIAM LOVE THOMPSON, Greenville, Miss. Filed Mar. 31, 1920. Serial No. 370,202. 15 Claims. (Cl. 37—116.)

1. In a bucket of the character described a pair of side plates each of which is in the form of a sector, a lower cross bar and a plurality of upper cross bars extending between said side plates and having their ends downwardly bent and secured to the side plates for maintaining them in position, said upper cross bars being spaced from each other and arranged at different distances from the ends of the bucket, a back plate having its lower portion adapted to rest against said lower cross bar and having its upper end inwardly bent to be secured to any one of said upper cross bars to vary the action and capacity of the bucket, a frame pivoted to said side plates having a short lever arm and a long lever arm, means for connecting the short lever arm of the frame to the drag line, the connection being arranged so that the line of pull of the drag line extends below the fulcrum of the lever,



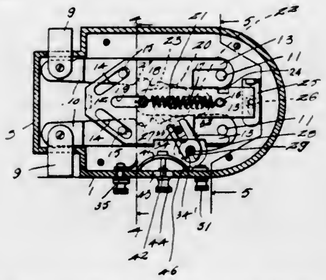
a cutting bit carried by said short lever arm intermediate the fulcrum and the connection, and means for connecting the long lever arm of the frame to the hoist line, runners formed on said frame on the opposite side of the fulcrum from said cutting bit whereby the position of the cutting bit and the runners may be controlled by varying the strain on the hoist line, all as and for the purposes set forth.

1,464,455. ATTACHMENT FOR TELEPHONES. ALBERT BROOKINGS TOPPAN, Watertown, Mass. Filed Nov. 13, 1922. Serial No. 600,766. 1 Claim. (Cl. 179—185.)



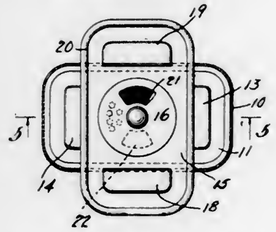
The combination with a telephone transmitter, of a plurality of detachable sheets of material arranged in pad formation and provided with a central opening and a holder for detachably securing the pad in position, said holder including substantially centrally arranged mouthpiece gripping arms, spring arms extending therefrom and means located at the outer ends of the spring arms for engagement with the pad.

1,464,456. LOCK. AUGUST F. W. VIEHWEGER, Secaucus, N. J., assignor of one-half to Pauline Kronstein, Jersey City, N. J. Filed Dec. 27, 1921. Serial No. 525,230. 4 Claims. (Cl. 70—74.)



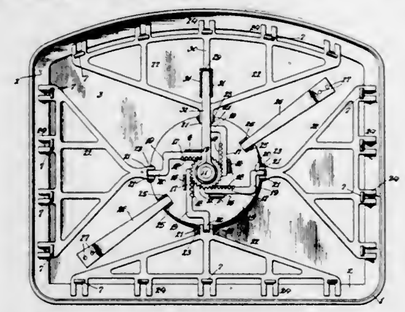
4. A lock comprising a casing, bolts carried by said casing, levers pivoted in said casing and to the bolts, an actuating plate slidable in said casing and connected to said levers, said actuating plate having spaced fingers at one end, pins pivoting the levers in the casing and contacting with and guiding certain of the fingers, tension means for urging said plate in one direction to extend the bolts, means for moving the plate in an opposite direction to retract the bolts, and a latch carried by said casing and adapted to engage in a notch in one of the fingers carried by the actuating plate to hold the same against movement under the influence of the spring.

1,464,457. CONTAINER. FRANS BERTIL WENDEL, Brooklyn, N. Y. Filed Oct. 4, 1921. Serial No. 505,227. 3 Claims. (Cl. 221—64.)



1. A container comprising a body having a closed top end of oblong configuration and provided with an annularly arranged series of discharge openings, a closure conforming in shape to the closed top end of the container and rotatably mounted thereon, said closure having a discharge opening adapted to be disposed in registry with any one of said series of discharge openings in the top of the body or disposed out of registry therewith for closing the same, complementary bosses and depressions provided respectively on the closed top end of the body and in the under side of the closure adapted for interengagement to retain the major axis of the closed top end of the body and the closure in alignment, the said bosses engageable with the side edges of the closure for holding the major axis of the same at right angles to the body.

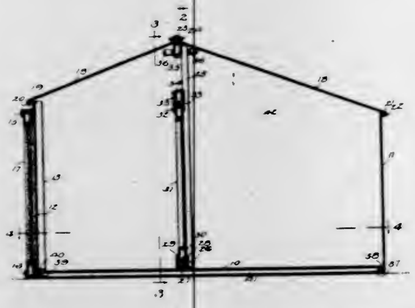
1,464,458. LOCK FOR CLOSURES OF BURIAL VAULTS. FRANK LESLIE WHARTENBY, Upper Sandusky, Ohio. Filed June 16, 1921. Serial No. 478,094. 4 Claims. (Cl. 292—39.)



1. The combination of a grave vault having a sealing flange on its inner side around its entrance opening, a closure adapted to fit within said opening and against said flange, an internally threaded barrel secured upon the outer face of the closure, a shaft mounted loosely in said barrel, a bolt support carried by said shaft at the inner side of the closure, a plurality of jointed bolts mounted on said support and adapted to engage the inner side of the said flange, interengaging members on the shaft and the bolts whereby turning of the shaft

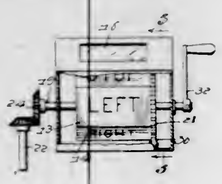
will project the bolts, keepers on the closure engaged by the bolts near their outer ends, and a cap nut to engage the internally threaded barrel and bear against the outer end of the said shaft whereby turning of the said cap nut will cause the same to ride inwardly in the barrel and move the shaft and the bolt support thereon inwardly away from the closure to rock the outer portions of the bolts and to effect binding engagement between the bolts, the keepers, the flange, and the closure.

1,464,459. CHICKEN-BROODER COOP. CLARK C. WHITE, Delhi, Iowa. Filed Aug. 17, 1922. Serial No. 582,514. 4 Claims. (Cl. 119—19.)



1. In a structure of the class described enclosing walls, a roof, a bottom having a rib thereon at the upper surface, and a removable partition presenting a channel at the lower edge thereof receiving said rib.

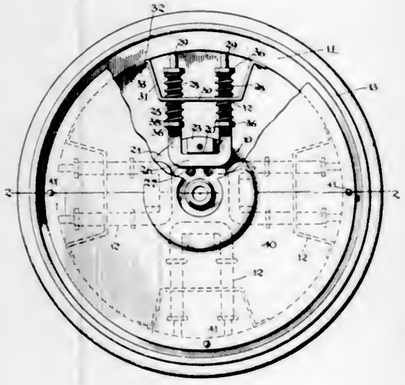
1,464,460. AUTOMOBILE SIGNAL. JOHN C. WIEHR, Marine City, Mich. Filed Mar. 8, 1921. Serial No. 450,690. 1 Claim. (Cl. 116—40.)



A direction signalling apparatus for automobiles and similar vehicles having indicating and signalling members for location respectively adjacent to the driver's station and at the rear end of the car and operatively connected for simultaneous adjustment to display corresponding signs or indications, and means for actuating the indicating member, each of said members consisting of a polygonal revoluble indicating drum, a casing enclosing the drum and provided with a light penetrable panel, an arched hood extending over the signalling casing and a lighting unit arranged beneath the hood in position to display the exposed surface of the signalling drum.

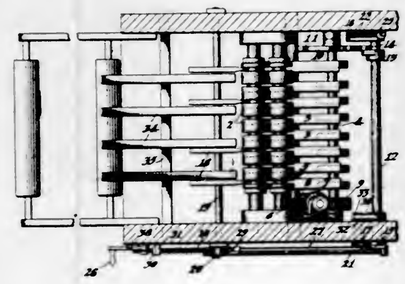
1,464,461. RESILIENT WHEEL. CLARENCE EMET WIGGINS, Delhi, La. Filed Mar. 24, 1923. Serial No. 627,388. 5 Claims. (Cl. 152—28.)

1. A resilient wheel comprising a hub, a felly and a plurality of spring devices arranged between the hub and the felly and each including a U-shaped spoke member having a body portion movably mounted on the hub and having hollow legs, posts rigidly connected to the felly and slidably fitted in the hollow legs, a frame for each spoke member secured to the felly and having openings through which the hollow legs extend and a pair



of springs mounted on each leg, each spring engaging the frame at one end, and an adjustable abutment mounted on the other end of each spring, the adjustable abutments being mounted on the legs.

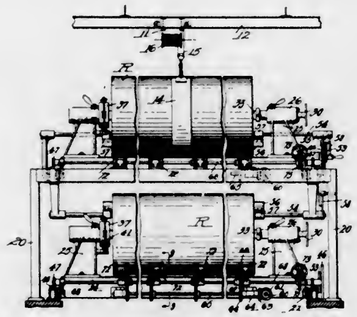
1,464,462. SHEET-THROW-OUT MECHANISM. HENRY A. WISE WOOD, New York, N. Y., assignor to Wood Newspaper Machinery Corporation, New York, N. Y., a Corporation of Virginia. Filed Nov. 5, 1917, Serial No. 200,314. Renewed Jan. 8, 1923. 15 Claims. (Cl. 271—64.)



15. In a printing machine the combination with a folding and delivering mechanism, of means placed between the two for selecting a product from the normal stream of folded products passing from the folding to the delivering mechanisms, and for directing it out of the machine for purposes of inspection.

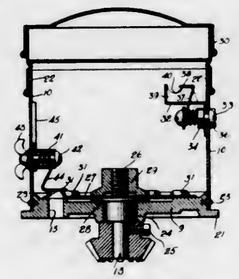
1,464,463. PAPER-ROLL-CHANGING APPARATUS. HENRY A. WISE WOOD, New York, N. Y., assignor to Wood Newspaper Machinery Corporation, New York, N. Y., a Corporation of Virginia. Filed Sept. 9, 1918, Serial No. 253,314. Renewed Jan. 8, 1923. 18 Claims. (Cl. 242—58.)

14. In a support for a web roll, the combination of a movable carriage, a pair of brackets adjustably mounted on said carriage, means for moving the carriage in a direction transverse to the direction of adjustment of the brackets, two opposite freely rotatable



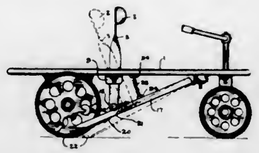
cones carried by said brackets having a key, a web roll for receiving said cones, and means for adjusting one of said cones longitudinally.

1,464,464. SEED-DISPENSING MECHANISM FOR PLANTERS. GEORGE H. WRIGHT, Spokane, Wash. Filed June 14, 1921. Serial No. 477,563. 5 Claims. (Cl. 221—125.)



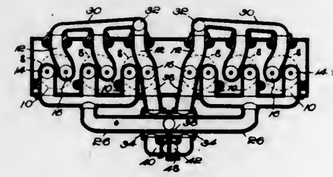
1. In a seed dispensing mechanism for planters, a platform having an opening therein, a revolving seed plate on said platform having seed pockets therein extending entirely therethrough and successively registering with the opening upon revolution of the seed plate, a reversible seed box supported on the platform around the seed plate and a plurality of seed ejecting mechanisms carried by the box and adapted to be selectively locked in operative position.

1,464,465. COASTER BRAKE. NICHOLAS W. BAECHLE, Cincinnati, Ohio. Filed Mar. 10, 1922. Serial No. 542,792. 9 Claims. (Cl. 188—20.)



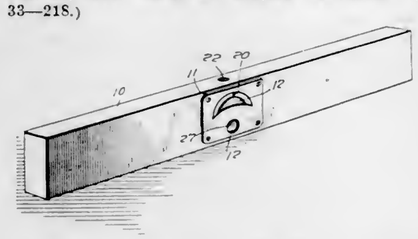
1. In coaster brakes, a pivotally mounted back rest and a brake operated thereby, whereby movement of the back rest will operate said brake.

1,464,466. MEANS FOR HEATING THE COMBUSTIBLE MIXTURE FOR INTERNAL-COMBUSTION ENGINES. HAROLD D. CHURCH, Fairfield, Conn., assignor to The Locomobile Company, Bridgeport, Conn., a Corporation of Delaware. Filed Jan. 10, 1922. Serial No. 528,204. 4 Claims. (Cl. 123—122.)



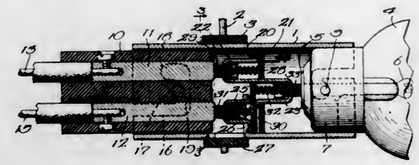
4. In a plural cylinder, internal combustion engine in which cylinders exhaust in alternation, the combination of an exhaust conduit presenting two outlets, cylinders which alternately exhaust into said conduit at two different points in its length intermediate said outlets, thereby producing a column of exhaust gases adapted to flow alternately in opposite directions, and means to open and close said conduit intermediate said points.

1,464,467. LEVEL. JOSEPH R. CRISP, Almond, N. C., assignor of one-half to A. L. Epps, Almond, N. C. Filed Dec. 30, 1921. Serial No. 525,989. 4 Claims. (Cl. 33—218.)



3. A level comprising a bar having an opening therethrough, plates covering the ends of the opening, a staff journaled in and extending between the plates, a hub mounted upon the staff, spokes extending radially from the hub equal distances, a calibrated band positioned about the extremities of the spokes and forming a rim, means permitting the circumferential adjustment of the band relative to the spokes, disks carried by the opposite sides of the spokes and having their perimeters coinciding substantially with the edges of the band, means permitting the circumferential adjustment of the disks relative to the spokes, and a weight formed at the extremity of one of said spokes.

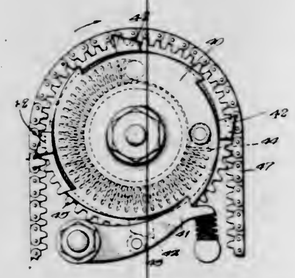
1,464,468. ELECTRICAL CONNECTOR. HARRY A. DOUGLAS, Bronson, Mich. Filed Mar. 13, 1919. Serial No. 282,452. 4 Claims. (Cl. 173—323.)



1. A connector including a metallic shell having a transverse supporting member disposed therein, a pair of axially disalined mutually connected and oppositely

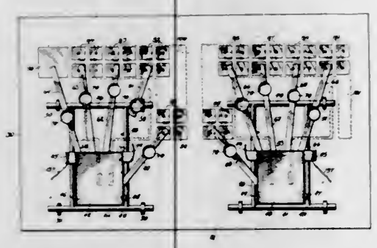
disposed contacts supported by said member and insulated from the shell, and a third contact clamped between said supporting member and a portion of the shell, said third contact being electrically connected with the shell.

1,464,469. INTERNAL-COMBUSTION ENGINE. HARRY A. DOUGLAS, Bronson, Mich. Filed Dec. 30, 1919. Serial No. 348,415. 7 Claims. (Cl. 123—59.)



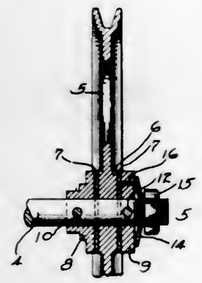
1. An internal combustion engine including a cylinder; a piston operating in the cylinder; a valving tube having separate passages for the admission and exhaustion of engine operating fluid and formed with admission and exhaust ports respectively communicating with these passages; a wall having a port in communication with the cylinder and alternately closing said admission and exhaust ports; a spring connected at one end with the valving tube and operating to turn it; an engine rotated element with which the other end of the spring is connected; means adapted to hold the valving tube in successive positions against the force of said spring; and intermittently operating engine operated means for periodically releasing said holding means.

1,464,470. ELECTRIC CONTROLLING DEVICE. WALTER WILLIS DRUMMOND, Fort Collins, Colo. Filed Jan. 23, 1920. Serial No. 353,635. 17 Claims. (Cl. 175—298.)



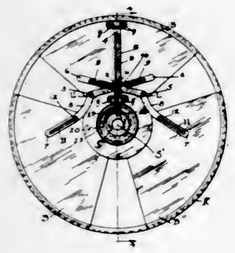
12. An electric controlling device, comprising a fixed support, groups of spaced contact plates fixed on the said support, carriages mounted to move forward, backward and sidewise on the said support and provided with flexible selective fingers, one for engagement with each of the plates of a group of contact plates, switchboards mounted to slide forward, backward and sidewise on the under side of the said support and controlled by the said carriages, the said switchboards being provided with groups of contact points, one group for a corresponding group of contact plates, sundry of the contact points of a group being adapted to be moved individually into engagement with the corresponding contact plate, springs pressing the said switchboards to hold the same in normal position, and operating means carried by the said carriages and adapted to engage the said switchboards to shift the latter forward or sidewise on correspondingly actuating the carriages.

1,464,471. DRIVING MECHANISM FOR WASHING MACHINES. BENJAMIN E. GETZ, Morton, Ill. Filed Nov. 14, 1921. Serial No. 514,863. 1 Claim. (Cl. 74—29.)



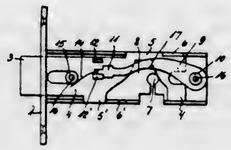
In a machine of the character described, in combination, a driving shaft having a threaded end, a wheel loosely carried thereon, collars on either side of the hub of said wheel rotatable with said shaft, fiber washers between said collars and the hub of said wheel, a spring washer having diametric contact points with one of said collars, and a nut arranged to be screwed onto the threaded end of said shaft for moving said spring washer and causing a frictional locking relation between the collars and said wheel.

1,464,472. SHUTTER FOR MOTION-PICTURE MACHINES. CARL A. GIBBS, Los Angeles, and FRANK A. SAWYER, Santa Monica, Calif. Filed May 23, 1921. Serial No. 472,008. 5 Claims. (Cl. 88—19.3.)



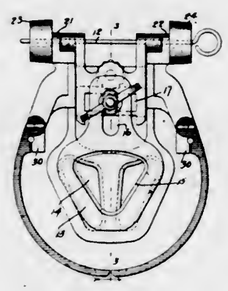
1. A shutter for motion picture machines including a stationary blade and a pair of blades pivotally movable relative thereto, a shaft for supporting said blades in operative position, a pair of arms pivotally held on said fixed blade and having end portions connected with said movable blades, and opposite end portions overlapping and connected together, and means slidably mounted on said shaft and connected with the overlapping ends of said arms for adjusting the movable blades relative to the fixed blade.

1,464,473. MORTISE LOCK. JOHANNES EHRHORN HJORT, Copenhagen, Denmark. Filed Aug. 17, 1921. Serial No. 492,965. 2 Claims. (Cl. 70—75.)



1. A mortise lock, comprising a substantially-cylindrical lock casing, a key-actuated bolt slidable therein and provided at one side with spaced upper and lower laterally-projecting lugs, and a tumbler pivoted in the casing on the same side of the bolt as the lugs and extending at its free end into the space between the lugs; said tumbler having a head adjacent its free end for cooperation with said lugs and normally engaged with one of them to prevent retraction of the bolt, but adapted to be moved out of such engagement by the action of the key to permit the bolt to be retracted, said head having a height such as to enable it to pass through the space between the lugs during the movemetns of the bolt.

1,464,474. DENTAL ARTICULATOR OR RELATOR. JOSEPH HOMER, Boston, Mass. Filed Oct. 1, 1921. Serial No. 504,758. 4 Claims. (Cl. 32—1.)



1. A dental articulator which comprises a stationary jaw, supporting lugs connected thereto, bearing casings connected to said lug, a movable jaw having lugs to extend into the bearing casing, and a bearing member for each of said lugs, the bearing members disposed in said casings and formed of plastic material, whereby the lugs of the movable jaw can produce an impression in the plastic material of a predetermined movement of the movable jaw in response to the desire of the operator.

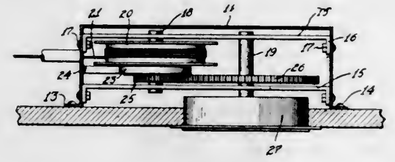
1,464,475. ADVERTISING CLOCK. DAVID L. HOOVER, Huntsville, Ala. Filed Jan. 28, 1922. Serial No. 532,419. 1 Claim. (Cl. 40—99.)

An advertising device of the class described including in combination a casing, a changeable sign mounted in the casing, a pair of spaced shafts journalled in said casing, a pair of endless members trained over the shafts, a sign carried on the chains, a worm gear carried on one of the shafts, a third shaft mounted in the casing and provided with a worm meshing with the worm gear, a lever having a spring pressed pawl, ratchet means disposed between the lever and the third



shaft for actuation thereon in one direction, said lever moving in a plane parallel with the plane in which the pair of spaced shafts is situated.

1,464,476. LIQUID-LEVEL INDICATOR. EDWARD L. KENYON, Ardmore, Okla. Filed Aug. 23, 1921. Serial No. 494,596. 1 Claim. (Cl. 73—82.)

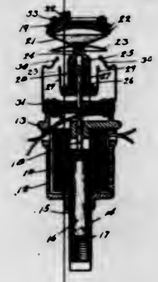


A liquid level indicator of the character described comprising a cylinder arranged within a liquid container tank, a gear casing in communication with the cylinder, a pair of spaced metallic strips secured to the inner walls of the casing, a pair of spaced shafts mounted for rotation between the strips, a drum carried by one shaft, a float arranged in said cylinder, a flexible element supporting said float and being adapted to operate with the drum, a relatively small gear mounted adjacent said drum and adapted to be rotated therewith, a relatively large gear carried by the other shaft and meshing with the small gear, a dial casing arranged adjacent one end of the gear casing and receiving one end of the last mentioned shaft, a graduated dial having the end of the last mentioned shaft projecting therethrough, a pointer supported by the projecting end and adapted to cooperate with the dial and a spring having one end rigidly secured to the opposite side of the gear casing and its opposite end coiled around the shaft carrying the drum.

1,464,477. METHOD OF RENDERING TRANSLUCENT SHEETS OF PAPER, CARDBOARD, AND THE LIKE HAVING DRAWINGS ON IT. ALOIS KLEMENT, Hamburg, Germany. Filed Mar. 25, 1920. Serial No. 368,765. 2 Claims. (Cl. 91—68.)

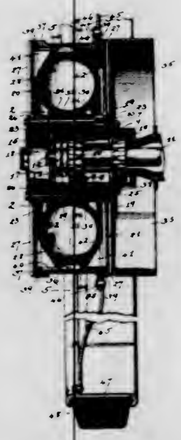
1. A method of rendering translucent, sheets of paper, card-board, and the like, having drawings on it, consisting in treating the sheets with a mixture of castor oil and oil of turpentine.

1,464,478. RETARDING DEVICE FOR TIME-LIMIT RELAYS. TALMA T. GREENWOOD, East Templeton, Mass., assignor to S. B. Condit, jr., Brookline, Mass. Filed June 17, 1918. Serial No. 240,385. 3 Claims. (Cl. 188—87.)



1. A retarding device comprising a fluid reservoir, a fluid permeable diaphragm forming a wall of said reservoir, and a diaphragm-engaging member adapted to contact with said diaphragm for its actuation having fluid passages therein for the flow of fluid from said reservoir.

1,464,479. VEHICLE WHEEL. MILTON E. HANSON, Baltimore, Md., assignor to Floyd W. Jefferson, trustee, Short Hills, N. J. Filed May 23, 1922. Serial No. 562,940. 4 Claims. (Cl. 152—42.)



1. In a vehicle wheel the combination with a hollow hub-shell, of a rear circular plate surrounding and detachably secured to the inner end of the hub-shell, a front circular plate surrounding the outer end of the hub-shell, a casing for a pneumatic tube encircling the hub-shell said casing having an annular split around its inner circumference with lateral enlargements at each side of the split, tubular reinforcements extending through said lateral enlargements, bolts extending through the front circular plate and passing through the tubular enlargements and screwing into the rear circular plate, a drum around the outer circumference of the casing and a wheel structure attached to the drum.

1,464,480. PITCH CEMENT AND PROCESS FOR MAKING THE SAME. GEORGE A. HENDERSON, Charleston, and REIMAN G. ERWIN, St. Albans, W. Va. Filed June 16, 1920. Serial No. 389,482. 4 Claims. (Cl. 106—31.)

4. An improved pitch cement consisting of pitch which has been vulcanized with from one to five per cent of chlorine and hydrogen sulfide and sulfur dioxide gases in the presence of an accelerator of vulcanization and protective colloids.

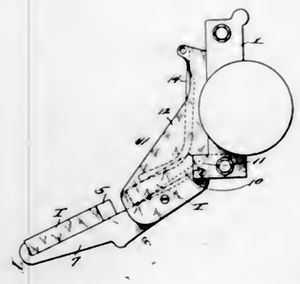
1,464,481. BITUMINOUS MASTIC AND PROCESS FOR MAKING AND APPLYING THE SAME. GEORGE A. HENDERSON, Charleston, W. Va. Filed Jan. 5, 1921. Serial No. 435,186. 4 Claims. (Cl. 106—31.)

4. A bituminous concrete wearing surface in thickness one and one-half inches to three inches, monolithic of and interlocking with a bituminous macadam base, consisting of mineral aggregate the interstices between which are filled with a bituminous mastic consisting of from 43% to 52% of bitumen combined with and having suspended therein a mixture of 48% to 57% of impalpable mineral dust of exclusively colloidal sizes sodium sulfate, copper sulfate and sulfur derivatives.

1,464,482. BITUMINOUS CONCRETE. GEORGE ANA HENDERSON, Charleston, W. Va. Filed Mar. 29, 1921. Serial No. 456,563. 7 Claims. (Cl. 106—31.)

7. A bituminous conglomerate of vegetable fibers impregnated with a relatively hard bitumen of ductility exceeding 60 cms. of 77 deg. Fahr., and colloidally suspending keiselguhr in particles all passing a 200 mesh sieve, and acting as the continuous phase in colloidal dispersion of the vegetable fibers.

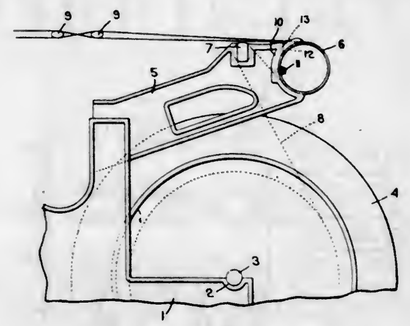
1,464,483. GALLEY FOR TYPOGRAPHICAL MACHINES. THOMAS S. HOMANS, Brooklyn, N. Y., assignor to Intertype Corporation, Brooklyn, N. Y., a Corporation of New York. Filed Oct. 13, 1922. Serial No. 594,327. 15 Claims. (Cl. 199—61.)



1. In a galley for line casting machines, a device for directing type bars for assembly therein having a surface to cooperate with type bars of one thickness and another surface to cooperate with type bars of another thickness.

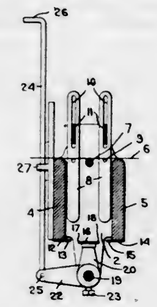
1,464,484. DRAG ROLL FOR LOOMS. JAMES HENRY HOOK, Corsicana, Tex., assignor to Draper Corporation, Hopedale, Mass., a Corporation of Maine. Filed Oct. 18, 1922. Serial No. 595,275. 5 Claims. (Cl. 139—97.)

3. In a loom a hollow drag roll over a segment of which the warp sheet is dragged in its passage from the warp beam to the shed, the said roll presenting beneath



the warp sheet in the remaining segment a longitudinal opening to receive lint, dirt, and foreign substances.

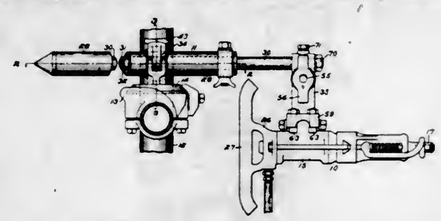
1,464,485. WARP STOP MOTION FOR LOOMS. ALONZO E. RHOADES, Hopedale, Mass., assignor to Draper Corporation, Hopedale, Mass., a Corporation of Maine. Filed July 24, 1922. Serial No. 577,164. 2 Claims. (Cl. 139—331.)



1. In a warp stop motion for looms a series of flat warp detectors normally supported in parallelism by the warps, a fixed bar extending longitudinally alongside of and beneath one set of edges of the detectors, a shaft mounted to rock and slide in bearings supported from the loom frame and extending parallel with the fixed bar, a cooperating bar carried by the shaft and extending longitudinally alongside of and beneath the opposite set of edges of the detectors, means operated by a moving part of the loom to rock the shaft and cause the cooperating bar with the fixed bar to grasp a dropped detector to effect the stopping of the loom, an arm connected to and extending radially from the shaft, a lever fulcrumed on the loom frame, connected to the arm and extending within reach of the operator, whereby, after the loom is stopped, the operator by swinging the lever may slide the shaft longitudinally and thereby twist the dropped detector out of parallelism with the other detectors and thus indicate the position of the dropped detector.

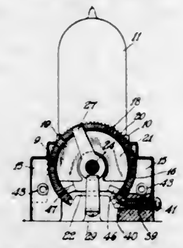
1,464,486. DRILLING APPARATUS. GEORGE H. GILMAN, Claremont, N. H., and PETER A. HAINES, River Mines, Mo., assignors to Sullivan Machinery Company, Boston, Mass., a Corporation of Massachusetts. Filed June 17, 1914. Serial No. 845,723. 40 Claims. (Cl. 121.9.)

1. Hole drilling apparatus comprising a support, a feeding mechanism thereon, a hole drilling tool, and means for securing said tool eccentrically to said feeding mecha-



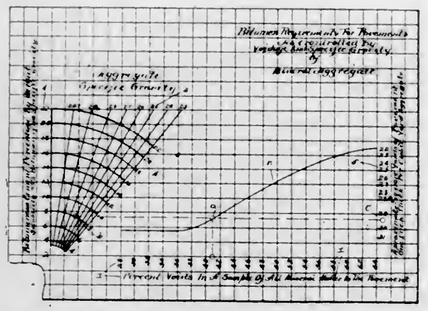
nism for free rotation in either direction about said mechanism during the hole drilling operation.

1,464,487. RHEOSTAT SOCKET. CHARLES B. KING, Detroit, Mich. Filed Apr. 13, 1922. Serial No. 552,185. 12 Claims. (Cl. 219—49.)



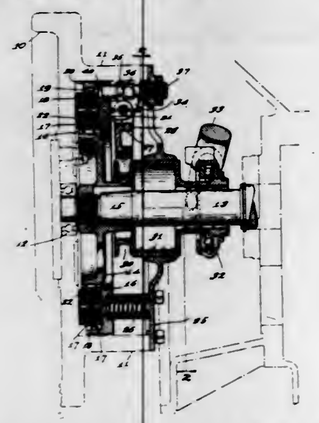
1. A rheostat socket comprising a base adapted to receive a tube, a rheostat element combined therewith for varying the amount of current supplied to said tube, and a movable clamping element adapted to lock said rheostat element in place.

1,464,488. METHOD FOR MAKING BITUMINOUS PAVING MIXTURES. FRANK S. BESSON, Washington, D. C. Filed May 26, 1921. Serial No. 472,889. 1 Claim. (Cl. 106—31.) (Filed under the act of Mar. 3, 1883, 22 Stat. L., 625.)



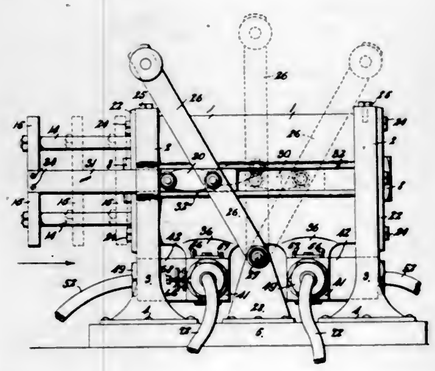
A method of making bituminous paving mixtures, consisting in determining the void percentage of a definite volume of a loose aggregate and the specific gravity of the aggregate, with these as factors determining from the graph illustrated in the accompanying drawing the amount of bitumen required for an aggregate having similar void percentage and specific gravity and adding this amount of bitumen to the loose aggregate, such graph being based upon and representing the results of the determination of the bitumen content, void percentage and specific gravity of a series of selected, differing specimens of satisfactory paving mixtures.

1,464,489. CLUTCH. SAMUEL O. WHITE, Muncie, Ind., assignor to Warner Gear Company, Muncie, Ind., a Corporation of Indiana. Filed Feb. 28, 1920. Serial No. 361,916. 15 Claims. (Cl. 192—69.)



10. In a clutch, the combination of a driving member having an axially projecting annulus, a driven shaft, a driven plate having a splined connection with said shaft and located within said annulus, a pressure plate located within said annulus and between which and said driving member said driven plate is located, a cover plate attached to said annulus, an adjustable driving connection between said cover plate and said pressure plate, said connection permitting axial sliding of said pressure plate, an operating lever for said pressure plate fulcrumed on said driving connection and adjustable therewith.

1,464,490. MILKING MACHINE. JOHN C. BEEM, Sawtelle, Calif. Filed Nov. 14, 1922. Serial No. 600,933. 12 Claims. (Cl. 31—98.)



1. A milking machine, comprising a cylindrical open ended casing, supports for said casing, end closing plugs removably mounted to close the said casing ends and to form therebetween a milk receiving chamber, a piston reciprocable within said chamber, means for reciprocating the said piston to alternately create suction and to exert pressure at opposite sides of the said piston and within the said chamber, an inflow and outflow port at each end of the said chamber, and a single valve body cooperative with each said port for controlling the inflow and outflow of the fluid into and from the said chamber.

Patents Nos. 1,464,491 to 1,465,247.

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OFFICIAL GAZETTE
OF THE
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Prints	16—No.	6,857 to No.	6,872, inclusive.
Reissues	6—No.	15,671 to No.	15,676, inclusive.
Patents	757—No.	1,464,491 to No.	1,465,247, inclusive.
Total	1074		

New Canadian Patent Law.

A proclamation of the Governor in Council has fixed September 1, 1923, as the date when the patent act, assented to June 13, 1923, shall come into force.

ADJUDICATED PATENTS.

(C. C. A. Mich.) Bayer patent, 1,032,583, for boiler cleaner, *Held* not infringed. *Bayer Steam Soot Blower Co.* v. *Diamond Power Specialty Co.*, 289 Fed. Rep., 54.

(D. C. Pa.) Earle and Lowe patent, 1,261,222, for fly swatter, *Held* not infringed. *Earle* v. *A. W. Drake Mfg. Co.*, 289 Fed. Rep., 137.

ADVERSE DECISIONS IN INTERFERENCE.

In interferences involving the indicated claims of the following patents final decisions have been rendered that the respective patentees were not the first inventors with respect to the claims listed:

Pat. 1,288,398, J. R. Eoff, jr., Process of manufacturing glycerol, decided July 6, 1923, claim 1.

Pat. 1,383,843, Olson and England, Hub-grinding machine, decided July 3, 1923, claims 1 and 2.

Pat. 1,396,796, W. G. Wall, Brake, decided July 6, 1923, claim 1.

Interference Notices.

U. S. PATENT OFFICE, *Washington, June 19, 1923.*

The heirs, assigns, or legal representatives of John Norris, deceased, take notice:

An interference has been declared by this Office between the application of the Capitol Sales Company, 714 Walnut Street, Memphis, Tenn., for registration of a trade-mark and trade-mark registered September 21, 1915, No. 106,054, to John Norris, 511 River Street, Canon City, Colo.

It appearing from the record that the registrant is dead, notice is therefore hereby given to the said heirs, assigns, or legal representatives of John Norris, deceased, that if they or any of them desire to contest the said interference proceeding they should immediately put themselves in communication with the Commissioner of Patents.

This notice will be published in the OFFICIAL GAZETTE for three consecutive weeks. If no appearance shall have been entered at the expiration of the period of publication, the interference will proceed as in case of default.

KARL FENNING,
Acting Commissioner of Patents.

U. S. PATENT OFFICE, *Washington, July 24, 1923.*

Robert E. Leydendecker, his assigns or legal representatives, take notice:

An interference having been declared by this Office between Pilsner Products Co., Inc., 698 Washington Avenue, Brooklyn, N. Y., for registration of a trade-mark and trade-mark registered December 27, 1921, No. 149,986, to Robert E. Leydendecker, 103 Park Avenue, New York, N. Y., and the Office having been unable to secure service upon said Robert E. Leydendecker at the said address, notice is hereby given that unless said Robert E. Leydendecker, his assigns or legal representatives, shall enter an appearance therein within thirty days from the first publication of this order the interference will be proceeded with as in case of default.

This notice will be published in the OFFICIAL GAZETTE for three consecutive weeks.

KARL FENNING,
Assistant Commissioner.

Amendments.

RULE 73. In every amendment the exact word or words to be stricken out or inserted in the application must be specified and the precise point indicated where the erasure or insertion is to be made. All such amendments must be on sheets of paper separate from the papers previously filed, and written on but one side of the paper. Erasures, additions, insertions, or mutilations of the papers and records must not be made by the applicant.

Amendments and papers requiring the signature of the applicant must, also, in case of assignment of an undivided part of the invention, be signed by the assignee. (Rules 6, 107.)

Condition of Applications Under Examination at Close of Business August 3, 1923.

Room No.	Divisions, Examiners, and subjects of inventions. (Total number of applications awaiting action, excluding Trade-Mark division, 75,306; Trade-Mark division, 3,319. Oldest new case, Sept. 27, 1922; oldest amended, Oct. 4, 1922. The dates given are 1922 except where * indicates 1923.)	Oldest new application and oldest action by applicant awaiting office action. New.	Amended.	No. of applications awaiting action.
314	1. LOEFFLER, F. A., Closure Operators; Fences; Gates; Harrows and Diggers; Plows; Planting; Scattering Unloaders; Trees, Plants, and Flowers.	Oct. 26	Oct. 7	1,286
128	2. HADEN, C. F., Bee Culture; Dairy; Preserving; Presses; Tents, Canopies, Umbrellas, and Canes; Tobacco.	Dec. 9	Oct. 24	1,465
175	3. RICH, WM. J., Electric Heating and Rheostats; Electrochemistry; Heating; Metal Founding; Metallurgical Apparatus; Metallurgy; Metal Treatment; Plastic Metal Working.	Nov. 16	Nov. 29	1,531
234	4. MERRITT, A. D., Conveyers, Chutes, Skids, Guides, and Ways; Conveyers, Fluid Current; Conveyers, Power Driven; Excavating; Handling—Hand and Hoist-Line Implements; Material or Article Handling; Pushing and Pulling Implements; Railway Mail Delivery; Traversing Hoists.	Oct. 23	*Feb. 24	1,590
167	5. MACNAB, J. F., Bookmaking; Books, Strips, and Leaves; Harvesters; Jewelry; Manifolding; Music; Printed Matter; Tying Cords or Strands.	Sept. 29	Oct. 13	1,468
318	6. LEWERS, A. M., Bleaching and Dyeing; Chemicals; Chemistry—Carbon Compounds; Explosive, Pyrotechnic, and Match Compositions; Fertilizers; Liquid Coating Compositions; Medicines; Plastic Compositions; Substance Preparation.	Sept. 27	*Mar. 4	1,588
312	7. JARBOE, C. G., Games and Toys; Optics; Photography	Oct. 30	Dec. 13	2,764
133	8. CLIFT, J. W., Beds; Chairs and Seats; Furniture; Kitchen and Table Articles; Store Furniture; Supports.	*Jan. 22	*Apr. 2	1,611
221	9. TRYON, F. M., Air and Gas Pumps; Hydraulic Motors; Injectors and Ejectors; Motors, Fluid; Motors, Fluid Current; Pumps.	Oct. 24	*June 9	932
235	10. HUNTER, O. F. (Acting), Motor Vehicles; Land Vehicles—Animal Draft Appliances, Bodies and Tops, Dumping, Wheel Substitutes.	Oct. 14	Oct. 28	1,528
154	11. ARMSTRONG, H. C., Boot and Shoe Making; Boots, Shoes, and Leggings; Button, Eyelet, and Rivet Setting; Harness; Hides, Skin, and Leather; Leather Manufactures; Nailing and Stapling; Whips and Whip Apparatus.	*Jan. 22	*Jan. 10	1,017
322	12. PIERCE, P. P., Machine Elements	Dec. 4	*Jan. 16	1,457
329	13. NIXON, G. A., Bolt, Nail, Nut, Rivet, and Screw Making; Chain, Staple, and Horseshoe Making; Driven, Headed, and Screw-Threaded Fastenings; Gear Cutting, Milling, and Planing; Metal Drawing; Metal Forging and Welding; Metal Rolling; Metal Working; Needle and Pin Making; Turning.	Oct. 26	*Mar. 30	1,213
323	14. BRUMBAUGH, N. J., Compound Tools; Cutting and Punching Sheets and Bars; Farriery; Metal Bending; Metal Tools and Implements, Making; Sheet-Metal Ware, Making; Tools; Wire Fabrics and Structure; Wire Working.	Oct. 9	*May 25	1,186
308	15. REDROW, W. L., Glass; Laminated Fabric and Analogous Manufactures; Paper Making and Fiber Liberation; Plastic Block and Earthenware Apparatus; Plastics.	Oct. 14	Dec. 15	2,089
112	16. BACKUS, C. D., Radiant Energy; Telegraphy; Telephony	Oct. 16	Oct. 23	2,528
307	17. RAFTER, G. S., Coating, Label Pasting, and Paper Hanging; Nut and Bolt Locks; Ornamentation; Paper Manufactures; Printing; Type Casting; Sheet-Material Association or Folding; Sheet or Web Feeding or Delivering; Type Setting.	Oct. 9	*Feb. 17	1,549
229	18. PORTER, M. E., Liquid Heaters and Vaporizers; Motors, Expansible-Chamber Type; Power Plants; Speed-Responsive Devices.	Oct. 4	Oct. 4	2,029
236	19. GLASCOCK, E. S., Automatic Temperature and Humidity Regulation; Furnaces; Heating Systems; Stoves and Furnaces; Thermostats and Humidostats.	*Mar. 1	*Apr. 14	706
179	20. WRIGHT, H., Artificial Body Members; Miscellaneous Hardware; Closure Fasteners; Cutlery; Dentistry; Locks and Latches; Safes; Undertaking.	Dec. 16	*Jan. 2	1,677
212	21. THURBER, W. L., Winding and Reeling; Textiles—Braiding, Netting, or Lace Making, Cloth Finishing, Fiber Preparation, Knitting, Spinning, Twisting or Twining, Weaving.	Oct. 7	*Mar. 1	1,056
249	22. COLWELL, J. H., Aeronautics; Firearms; Ordnance; Ammunition and Explosive Devices; Ammunition and Explosive-Charge Making; Air Guns, Catapults, and Targets; Boats and Buoys; Ships; Marine Propulsion.	Oct. 30	*Jan. 24	623
217	23. GROESBECK, W. D., Acoustics; Coin Handling; Recorders; Registers; Sound Recording and Reproducing.	Oct. 9	Dec. 8	884
144	24. DURAS, C. O., Apparel; Apparel Apparatus; Garment Supporters; Sewing Machines	Oct. 7	*Jan. 19	1,427
315	25. LIGHTFOOT, J. H., Agitating; Butchering; Centrifugal-Bowl Separators; Mills; Threshing; Vegetable and Meat Cutters and Comminutors; Gas Separation.	Dec. 19	Dec. 30	1,070
105	26. HODGES, J. S., Electricity, Generation; Motive Power; Prime-Mover Dynamo Plants	Oct. 16	Nov. 2	1,025
214	27. ANDERSON, L. S., Brush, Broom, and Mop Making; Brushing, Scrubbing, and General Cleaning; Laundry; Washing Apparatus.	Oct. 12	Nov. 3	1,519
225	28. BENSON, A. R., Internal-Combustion Engines	Nov. 15	*Jan. 6	1,470
147	29. MORRIS, B. N., Abrading; Boring and Drilling; Button Making; Chucks or Sockets; Coopering; Tool-Handle Fastenings; Wheelwright Machines; Wood Sawing; Wood Turning; Woodworking; Woodworking Tools.	Oct. 10	Nov. 9	1,353
152	30. SULLIVAN, M. R., Illuminating Burners; Illumination; Liquid and Gaseous Fuel Burners; Typewriting Machines.	Nov. 1	*Apr. 13	1,885
172	31. HOLMES, W. N., Alcohol; Ammonia, Water, and Wood Distillation; Charcoal and Coke; Gas, Heating and Illuminating; Hydraulic Cement and Lime; Mineral Oils; Oils, Fats, and Glue; Sugar, Starch, and Carbohydrates; Concentrating Evaporators.	Oct. 14	Oct. 12	1,697
278	32. BANCROFT, J. F., Gas and Liquid Contact Apparatus; Heat Exchange	Oct. 9	Oct. 24	1,413
70	33. WYMAN, W. I., Bridges; Hydraulic and Earth Engineering; Masonry and Concrete Structures; Metallic Building Structures; Roads and Pavements; Roofs; Rod Joints or Couplings; Pipe Joints or Couplings; Valved Pipe Joints or Couplings.	Oct. 27	Oct. 30	1,777
304	34. SIMPSON, G. R., Electricity-Transmission to Vehicles; Pneumatic Dispatch; Railways; Railway Rolling Stock; Railway Switches and Signals; Railways, Surface Track; Railway Wheels and Axles; Store Service; Track Sanders; Vehicle Fenders.	*Jan. 10	*Mar. 5	809
52	35. REYNOLDS, E. C., Buckles, Buttons, Clasps, Etc.; Card, Picture, and Sign Exhibiting; Signals and Indicators; Toilet.	*Feb. 14	*Apr. 2	1,083
265	36. MORTON, G. L., Automatic Weighers; Driers; Geometrical Instruments; Measuring Instruments; Force Measuring.	*Jan. 2	Dec. 28	2,096
107	37. TAYLOR, E. C., Electricity, Circuit Makers and Breakers	Oct. 17	Oct. 19	2,019
378	38. IDE, G. R., Animal Husbandry; Earth Boring; Fishing, Trapping, and Vermin Destroying; Mining, Quarrying, and Ice Harvesting; Stationery; Stoneworking; Wells.	Oct. 23	Oct. 11	1,943
220	39. COWLES, A. W., Fluid-Pressure Regulators; Multiple Valves; Valves; Water Distribution	Oct. 7	Oct. 9	1,377
269	40. OBERLIN, J. J., Baggage; Bottles and Jars; Cloth, Leather, and Rubber Receptacles; Deposit and Collection Receptacles; Metallic Receptacles; Package and Article Carriers; Paper Receptacles; Special Receptacles and Packages; Wooden Receptacles.	Oct. 7	*Apr. 3	2,274
125	41. BROWN, J. L., Land Vehicles, Wheels and Axles; Resilient Tires and Wheels	Dec. 23	*Jan. 22	957
114	42. CUTTING, H. O., Electrical Conduits and Housings; Electric Signaling; Electric Lamps	Oct. 19	Nov. 18	1,723
382	43. HOPKINS, F. M., Baths and Closets; Electricity, Medical and Surgical; Fire Extinguishers; Sewerage; Surgery; Liquid Separation or Purification.	Nov. 10	Nov. 18	1,722
253	44. SHAFFER, C. H., Bread, Pastry, and Confection Making; Dispensing; Dispensing Beverages; Filling and Closing Portable Receptacles; Railway Draft Appliances; Refrigeration.	Oct. 24	*Mar. 2	1,154
379	45. GILES, A. H., Journal Boxes, Pulleys, and Shafting; Lubrication; Motors; Spring Devices	Dec. 1	Oct. 11	1,586
332	46. WOLCOTT, C. L., Curtains, Shades, and Screens; Educational Appliances; Fire Escapes; Ladders; Fluid Sprinkling, Spraying, and Diffusing; Paper Files and Binders; Wooden Buildings; Scaffolds.	Dec. 2	*Jan. 8	1,465
264	47. BARKER, H., Brakes; Clutches and Power Stop Control; Elevators; Fluid-Pressure Brake and Analogous Systems; Horology; Time-Controlling Mechanism.	Nov. 6	*Jan. 27	1,198
118	48. ROEPKE, O. B., Electricity Conductors; Electricity, General Applications	Oct. 9	Oct. 14	2,354
383	49. EDINBURG, F. P., Check-Controlled Apparatus; Domestic Cooking Vessels; Fuel and Igniting Devices; Joint Packings; Packed Shaft or Rod Joints; Pneumatics; Velocipedes.	Oct. 26	Nov. 8	650
102	DESIGNS: C. O. MARKHAM (Acting)	Dec. 29	*Feb 15	2,483
163	TRADE-MARKS, LABELS AND PRINTS: T. L. MEAD, JR. {Trade-Marks	*Apr. 2	*June 27	3,274
	{Labels and Prints	*July 28	*July 30	45

DECISIONS IN PATENT AND TRADE-MARK CASES.

Commissioner's Decisions.

EX PARTE WALKER.

Decided October 6, 1921.

INVENTION—HAIR-TREATING OR FOOD COMPOUND FOR HAIR.

Where all except one of the ingredients of a hair-treating or hair-food compound have been previously used in compounds for the same purpose and that one is equivalent to a substance used before in the same relation, *Held* that so long as there is no chemical combination of substances or any new function or effect brought out, but merely the combined functions and effects of the separate ingredients selected, there is nothing patentable produced.

APPEAL from Examiners in Chief.

HAIR-TREATMENT COMPOUND.

Messrs. E. E. Vrooman & Co. for the applicant.

KINNAN, *First Assistant Commissioner:*

The applicant appeals from the decision of the Examiners in Chief affirming the decision of the Primary Examiner rejecting the claim for an alleged new hair treating or food compound for hair, which is as follows:

A new hair-treating or food compound for hair comprising 50 pounds of petrolatum, one pound of bees wax, one pound of blue vitriol, one-half pound of sulphur, one pound of cocoanut oil, one pound of palm oil, two ounces of extract of violet of Sicily, one-half pound of sage powder, and 30 grains of quinine, for producing the quantity specified, and as hereinbefore specifically described.

The references are: Miles, 289,922, December 11, 1883; Wallace, 386,617, July 24, 1888; Pieper, 879,191, February 18, 1908; Riggs, 923,999, June 8, 1909; formula 11, both occurrences, page 339, formula 11, page 343, of a Standard Formulary, Hiss & Ebert, Englehardt & Co., Chicago, Ill., 1901.

It appears that all the ingredients of this compound have been used in compounds for this same purpose, except palm oil, and that olive oil, which would seem to be the full equivalent of palm oil, has been used in this same relation.

It would seem, where one does no more than pick out several substances which have already been disclosed as useful in compounds of this nature and unite them in a single compound that invention is not involved. It is conceivable that one might place before him all the substances that others have suggested to him, as shown by the prior art, were of advantage as ingredients in a hair-treating compound or food and select such of them as he desired for one compound, such others for another, and so on indefinitely, or until he had exhausted the combinations that he could make in this way. It would seem that so long as there is no chemical combination of substances, nor any new function or effect brought out, but merely the combined functions and effects of the separate ingredients selected, there is produced nothing patentable. I am unable to discover merit in the composition and compound disclosed in the claim.

The decision of the Examiners in Chief is affirmed.

STATE OIL COMPANY *v.* THE HICKOK PRODUCING COMPANY.

Decided July 25, 1923.

TRADE-MARKS—ACT OF 1920—NO PROVISION FOR INTERFERENCES.

By the same reasoning as that employed in *U. S. Compression Inner Tube Co.* v. *Climax Rubber Co.* (312 O. G., 400) concerning appeals it is clear that this Office has no jurisdiction to determine and no right to declare an interference with respect to an application for registration of a trade-mark under the act of 1920.

Appeal from Examiner of Interferences.

TRADE-MARK FOR GASOLINE.

Mr. Edward L. Reed for State Oil Company.

Mr. George E. Kirk for The Hickok Producing Company.

FENNING, *Assistant Commissioner:*

This is an interference between registered Trade-Mark No. 131,906, dated May 25, 1920, and an application for registration of trade-mark Serial No. 150,714. The latter application is filed under the act of March 19, 1920. The act of March 19, 1920, makes no provision for interferences. Section 6 of the 1920 act specifies certain portions of the 1905 statute which are made applicable to marks under the 1920 act, but does not include section 7 of the act of 1905, which provides for interferences. In a recently-decided case (*U. S. Compression Inner Tube Co.* v. *Climax Rubber Tire Co.*, 312 O. G., 400) the Court of Appeals of the District of Columbia refused to take jurisdiction of an appeal to that court with respect to a trade-mark application under the act of 1920, for the reason that section 7 of the Trade-Mark Act of 1905 was not mentioned in section 6 of the act of 1920. By the same reasoning it is clear that this Office has no jurisdiction to determine and no right to declare an interference with respect to an application for registration of a trade-mark under the act of 1920. (*Lincoln Paint & Color Co.* v. *American Paint Works*, 142 MS. Dec., 197.)

For this reason the present appeal must be dismissed and the interference dissolved.

Court of Appeals of the District of Columbia.

IN RE TALLEY.

No. 1,538. Decided April 3, 1923.

1. INVENTION—TREATMENT OF PLASTIC MATERIAL.

The step from the method of attaching a wheel body to a metal hub or sleeve portion by pressure to that of consolidating it upon the hub by heat and pressure would not involve invention.

2. ANTICIPATION—ALLEGED INOPERATIVENESS OF REFERENCE.

Where the alleged invention consists in the method of attaching the body of a gear wheel to its hub, and this method is disclosed in a prior patent, it is immaterial that the invention of the patent is inoperative as to that part which relates to the formation of the tooth surface of the gear.

3. SAME—SUFFICIENCY OF DISCLOSURE IN ALLEGED ANTICIPATING PATENT.

It is not necessary that a patent should be so exact in its disclosures that it may be followed by any mechanic. An anticipating patent, though crude and commercially undesirable, may teach one skilled in the art how to make it a commercial success without invention.

4. INVENTION—COMMERCIAL SUCCESS.

Where the applicant, in support of his contention that he has produced something patentably new, says that he experimented almost two years upon the device described in his application, and that the result of his labors is a commercial success, implying that the work of those who preceded him in the same field of endeavor is a failure, *Held* that while commercial success is not to be ignored it is by no means a determining factor in a case where lack of invention is clear, and where the prior art, if consulted by him, would have taught him how to overcome his difficulties.

Mr. W. G. Carr and *Mr. H. C. Bierman* for Talley.

Mr. T. A. Hostetler for the Commissioner of Patents.

Before SMYTH, Chief Justice, ROBB, Associate Justice, and SMITH, Judge U. S. Court of Customs Appeals.

SMYTH, *C. J.*:

Talley appeals from a decision of the Commissioner of Patents rejecting his application for a patent on a gear and the method by which it is made, filed May 15, 1917. He says the subject matter of his invention is a gear of self-sustaining molded material, consisting of a metal hub or support having a central opening therein for securing the gear to a shaft or similar rotatable member. The outer periphery of the hub is roughened or knurled and a working body portion of laminated material, consisting essentially of fibrous sheet material impregnated with a phenolic condensation product, is consolidated upon the hub by heat and pressure. The issue is expressed in thirteen counts, of which 6 and 12 are illustrative.

6. A gear wheel comprising a peripherally roughened hub and a self-sustaining working portion of non-metallic material carried by the said hub in engagement with the roughened surface thereof, the said working portion being composed of fibrous material and a binder.

12. The process of making gear wheel and other machine elements that comprises forming an annular support having a roughened surface and applying a molded working member to the roughened surface of the said support.

The references upon which the Commissioner rejected the application are a patent to Sweeney in 1874; Gilliland, 1883; Grannis, 1903; Hutchins, 1906; Backeland, 1915; Alden, 1917; Starker, 1918, on an application filed April, 1917; two patents to Conrad, 1916, and one to Kronstein (British), 1901.

A critical examination of those patents discloses that, taking them as a whole, they anticipate each element in the claims of the application. The subject matter of the Conrad patent is a non-metallic or noiseless gear. To obtain it sheets of fibrous material are impregnated with a phenolic condensation product, pressed under heat until the material is fully impregnated and firmly cemented into a hard compact mass resulting in a laminated fibrous material capable of withstanding great heat, of high tensile strength, which can be turned and bored in the same manner as wood. This patent was declared invalid because anticipated by the one to Backeland. (*Westinghouse Electric & Mfg. Co.* v. *Formica Insulating Co.*, 270 Fed., 632; affirmed on appeal, 272 Fed., 668.) The Backeland patent shows an entire wheel made of fibrous material and a condensation product reinforced by a plate and consolidated under huge pressure. While it is not shown as applied to a wheel of the hub type but of a type that is secured directly to a shaft, that is immaterial. Backeland regarded reinforcing plates as essential to the strength of his gear, while as to the Conrad patent they were considered optional with the gear maker; and this constituted the difference between the two patents. An expert testified in the Westinghouse case, supra, that if the outside plates or shrouds were removed from the Backeland patent it would then be the same as the Conrad gear, and it was held that dispensing with the shrouds did not constitute invention. We have, then, in those patents an anticipation of the self-sustaining molded material and the working body portion of laminated material, consisting essentially of fibrous sheet material impregnated with the phenolic condensation product of the application.

[1] Grannis has a metal hub portion and a rawhide portion clamped between two metallic collars, and ribs which prevent relative rotative movement of the hub and rawhide portion. While Grannis does not mold his material on the hub, he attaches it thereto by pressing it upon a sleeve having sharp longitudinal projections. The step from this method to that of consolidating it upon the hub by heat and pressure would not involve invention. Talley uses heat, while Grannis does not, but both employ pressure.

Gilliland, Sweeney, and Alden show a metal hub. These, with the other references, disclose that it is old to form the hub of metal for strength, and to form the peripheral or working portion of a lighter or more suitable material.

[2] Hutchins has a peripherally-roughened hub. He states that the hub may have projections, or other means may be employed to give a positive drive. Talley says that Hutchins's patent is not a true reference, because it is inoperative as to that part which relates to the formation of the tooth surface of his gear. But, as Talley claims no novelty for his method of formation of teeth, but merely utilizes an old method, it seems that this is immaterial. Besides, it is not necessary that a patent should be so exact in its disclosures that it may be followed by any mechanic. If it sets out the invention in such full, clear, concise, and exact terms as to enable any person skilled in the art or science to which it appertains or with which it is most closely connected, to make, construct, compound and use the same, it is sufficient. (Sec. 4888, R. S.) We think the Hutchins disclosure satisfies these requirements, and would enable a person skilled in the art to make the device.

[3, 4] Talley, in support of his contention that he has produced something patentably new, says that he experimented almost two years upon the device described in his application, and that the result of his labors is a commercial success, implying that the work of those who preceded him in the same field of endeavor is a failure. For reasons given we think that the patents to which we have referred, if consulted by him, would have taught him how to overcome his difficulties. While commercial success is not to be ignored, it is by no means a determining factor in a case like this where lack of invention is clear. (*Westinghouse Electric & Mfg. Co.* v. *Formica Insulating Co.*, supra.) An anticipating patent, though crude and commercially undesirable, may teach one skilled in the art how to make it a commercial success without invention.

Being satisfied that the decision of the Commissioner of Patents is right, we affirm it.

Affirmed.

Court of Appeals of the District of Columbia.

THE UNITED ELECTRIC COMPANY *v.* REPLOGLE.

No. 1,591. Decided May 7, 1923.

TRADE-MARKS—"RED RING" AND "RED BAND"—DECEPTIVE SIMILARITY.

A red ring or band surrounding the base of a motor of a vacuum cleaner might aptly be described as a "red ring," and a purchaser who had been advised to buy a "Red Ring" cleaner or had seen a reference to one would ordinarily accept the product bearing the red band or ring as answering the description "Red Ring."

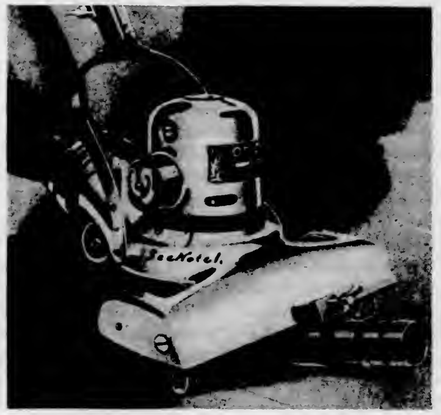
Mr. Harry Frease for The United Electric Co.

Mr. D. B. Replogle pro se.

Before SMYTH, Chief Justice, and ROBB and VAN ORSDEL, Associate Justices.

SMYTH, *C. J.*:

The United Electric Company made application for the registration of a trade-mark entitled "A Red Band," applied to vacuum cleaners, as shown in the following drawing:



NOTE 1.—Band shown red in original.

It showed that it had used the mark continuously in its business since 1918. Replogle opposed the registration on the ground that he owned a registered trade-mark which he had applied continuously to vacuum cleaners since its registration in 1912. The certificate of registration describes the mark as "a red ring and the words 'Red Ring,'" which is illustrated as follows:



NOTE 2.—Red ring enclosing red letters on white ground.

No testimony was taken by either party, and the matter was submitted on the single proposition by the applicant that the marks, although applied to goods of the same descriptive properties, were so dissimilar that there was no likelihood that, if used, they would produce confusion in the minds of persons desiring to purchase vacuum cleaners. The applicant confines the use of its ring or band to the base of the motor, and counsel claims that this distinguishes it from the mark of the opposer. But we do not think the position in which applicant places its mark is determinative. As said by the Examiner of Interferences, Replogle by virtue of his registration—

is entitled to assert ownership of the words "Red Ring" and the representation of a red ring as applied to vacuum cleaners. The colored band applied to applicant's goods might aptly be described as a "red ring", and it is believed that a purchaser who had been advised to buy a "Red Ring" cleaner, or had seen a reference to a "Red Ring" cleaner would ordinarily accept applicant's product bearing the red band or ring as answering the description of "Red Ring."

Replogle caused his mark to be registered in 1912. This was known, or should have been, to the applicant when it adopted its mark six years later. The field from which applicant could have drawn a mark was practically unlimited. No just reason, therefore, is perceived for adopting one so closely resembling that of its business rival. If there was any doubt in our minds about the matter, but there is none, we would resolve it in favor of the first comer, Replogle. (*Waltke* v. *Schafer*, 49 App. D. C., 254; 273 O. G., 630; *Aunt Jemima Mill Co.* v. *Blair Milling Co.*, 270 Fed., 1021; 286 O. G., 863.)

The Commissioner was undoubtedly right in sustaining the opposition, and therefore we affirm his decision.

Affirmed.

Court of Appeals of the District of Columbia.

OAKLEY *v.* ROBERTS.

No. 1,540. Decided June 4, 1923.

INTERFERENCE—ORIGINALITY.

R.'s ownership and operation of the machine at his own cost under the eye of O. and in O.'s factory after its construction by O., the bringing to the factory by R., with O.'s permission, of several people for the un-

derstood purpose of financing the invention, the neglect of O. for four years to claim or show interest in the invention, until he saw a check for $10,000 to R. for royalties, and the failure of O. to positively deny R.'s testimony that O. endeavored to secure a license under R.'s patent can not be reconciled with O.'s belated assertion of originality and prior conception and are entirely consistent with R.'s claim that he was the inventor.

Mr. W. G. Johnson, *Mr. L. E. Varney*, *Mr. E. G. Curtis*, and *Mr. A. M. Holcombe* for Oakley.

Mr. A. H. Bates for Roberts.

Before ROBB and VAN ORSDEL, Justices, and SMITH, Judge of the United States Court of Customs Appeals.

SMITH, *J.*:

This is an appeal by Clifford H. Oakley from the decision of the Commissioner of Patents awarding priority of invention to Fred Thomas Roberts for a process or method of entrapping and sealing compressed air in hollow rubber articles.

It appears from the record that Fred Thomas Roberts filed in the Patent Office on the 2d day of October, 1913, an application for a patent for a method of making inflated rubber articles and that the patent applied for was issued on July 13, 1915.

On the 17th of February, 1916, Clifford H. Oakley made application for a patent on an improved method of making inflated hollow rubber articles and on the 15th of March, 1918, requested the Commissioner of Patents to place his application as then amended in interference with Roberts's patent upon such counts as the Examiner might think suitable for initiating the interference.

The claims of Oakley's amended application put in interference with Roberts's patent and constituting the issue in the interference proceedings, were as follows:

Roberts's claim No. 8. Oakley's claim No. 13.

The method of making hollow rubber articles consisting in submitting such article in an unclosed condition to an enveloping fluid under pressure, closing it while under such pressure, and thereafter vulcanizing it while the pressure is maintained within it.

Roberts's claim No. 12. Oakley's claim No. 15.

The method of making inflated hollow articles consisting in submitting them in an unclosed condition to an enveloping fluid under pressure while confining them externally by walls limiting the inflation and closing them while in such fluid.

Roberts's claim No. 16. Oakley's claim No. 17.

The herein described method of sealing compressed air within a hollow rubber article, consisting in subjecting the article in an unclosed condition and a condition adapted for curing to an enveloping atmosphere of air under pressure, then closing the article within such atmosphere to entrap compressed air within it, continuing to hold the article closed with such air entrapped, and curing the article while so held.

Roberts's claim No. 17. Oakley's claim No. 18.

The method of making inflated rubber articles consisting in forming the articles in parts, bringing such parts together in an enveloping body of fluid under pressure and vulcanizing the article while the same fluid is confined within it.

Roberts's claim No. 18. Oakley's claim No. 19.

The method of making inflated rubber articles consisting in forming the article in parts, bringing such parts together within a chamber to which compressed air is supplied from the outside, whereby such air is entrapped within the article, and vulcanizing the article while the same air is confined within it.

On the evidence submitted the Examiner of Interferences found that both parties relied on the same actual reduction to practice and that the only question involved was priority of conception. As Oakley's application for a patent was filed after the issuance of a patent to Roberts, the Examiner held that Roberts was the senior party, and that therefore the burden rested on Oakley of proving his case beyond a reasonable doubt. He decided however that the evidence established that Roberts had conceived the process of entrapping and permanently sealing compressed air in hollow rubber articles before he employed Oakley to make the working drawings and that as Oakley's conception did not come to him until immediately prior to his making of the working drawings priority of invention should be awarded to Roberts.

On appeal by Oakley from that decision the Examiners in Chief declined to hold that Oakley was bound to prove his case beyond a reasonable doubt and ruled that the burden of proving prior conception of the invention was on Roberts. The Examiners in Chief nevertheless decided that Roberts had established by competent evidence that his conception of a method of entrapping and sealing compressed air in hollow rubber articles antedated that of Oakley and affirming the decision of the Examiner of Interferences awarded priority to Roberts.

From the decision of the Examiner of Interferences Oakley prosecuted an appeal to the Commissioner of Patents. The Assistant Commissioner held that Oakley had wholly failed to make proof of the invention and therefore affirmed the decision of the Examiners in Chief awarding priority to Roberts.

The evidence establishes to a conclusion that Roberts when about 23 years of age conceived the idea of reducing the effect of punctures on automobile tires by substituting for the inner tire in use a cellular filler or inner tube containing compressed air. By designing his cellular inner tube with a V cut, he thought that the bringing together of the faces of the V when the inner tube was forced into the casing would sufficiently compress the air to produce expansion of the unpunctured cells into any adjoining punctured cell. That method failing when put to the test of actual use Roberts returned to his original idea of introducing compressed air into the cells and finally prior to June 1, 1910, produced sketches of a device which he felt confident would accomplish his purpose. That those sketches embodied the process or method for which he subsequently secured a patent is confirmed by the testimony of six unimpeached and credible witnesses all of whom saw the sketches prior to the date fixed by Oakley as the date of his conception. Moreover, that Roberts's conception of a means of entrapping compressed air in hollow rubber articles antedated Oakley's conception is supported by the testimony of Lloyd and Camp, both of whom testified that Roberts in the spring of 1911, made explanations of his appliance, which we find substantially conform to the vital claims of his patent. In addition we have Oakley's admission that he never thought of a device, or a method or a process of entrapping compressed air until after his meeting with Roberts in the office of Horwitz, which meeting occurred on the 23d of August, 1911. Roberts and Horwitz testified that at that meeting in the presence of L'Hommedieu, an employee of the Essex Rubber Company, of which Oakley was president, Roberts submitted sketches and made a lengthy explanation to those present of a machine which would introduce compressed air into the cells of a filler for automobile tires and vulcanize the filler so as to prevent the escape of the compressed air.

L'Hommedieu was not called by Oakley to contradict that testimony and Oakley's statement that he never received from Roberts any suggestion or assistance as to such device or method is wholly unsupported.

Oakley admitted that he contracted with Roberts to make a mold, prepare working drawings and build in conformity therewith a machine which would charge the cells with compressed air. The working drawings were made and the machine was ordered by Oakley on October 18, 1911. When completed the machine was delivered to Roberts as his property and operated by him at his own expense in the factory of the Essex Rubber Company.

Oakley utterly failed to contradict Roberts's testimony that Oakley's working drawings called for an inoperative horizontal piston head, that the machine was constructed in accordance with that design and that when Roberts called attention to the error, he Oakley, *pointed out that the mistake appeared on Roberts's sketch from which Roberts claimed the working drawings were made.* Roberts's explanation of the horizontal piston head was corroborated by the undisputed fact that a new piston head was ordered and paid for by Roberts—a course of conduct quite consistent with Roberts's story, but completely at odds with the theory that Oakley was wholly responsible for the working drawings and the machine and that both were made by Oakley unaided by sketch or suggestion from Roberts.

The fact that the machine after its construction became the property of Roberts and was operated wholly by Roberts at his own cost under the eye of Oakley in the Essex Rubber Factory, the bringing to the factory by Roberts with Oakley's permission of several people for the understood purpose of financing the introduction and production of the appliance, the neglect of Oakley to make any claim to or to manifest any interest in the device until four years after the first machine was made and then only on seeing a check for $10,000 executed by Spalding & Company to Roberts for royalties under the patent issued to Roberts, the failure of Oakley to positively deny Roberts's testimony that he Oakley endeavored on October 14, 1915, to secure a license under Roberts's patent, can not be reconciled with Oakley's belated assertion of originality and prior conception and are entirely consistent with Roberts's claim that he was the inventor of a method of entrapping and permanently sealing compressed air in hollow rubber articles.

The decision appealed from is fully supported by the evidence and must therefore be affirmed.

Court of Appeals of the District of Columbia.

WAYNE *v.* TEW.

No. 1,560. Decided June 4, 1923.

1. INTERFERENCE—DILIGENCE—FILING AN APPLICATION FOR ANOTHER INVENTION.

The fact that W. was compelled to make a choice as to which application he would file and that he chose to file on the one which offered the best chance of immediate financial returns can hardly be regarded as lack of diligence in filing the application in interference in view of the fact that he might reasonably expect that filing on the former would enable him to file on the latter.

2. SAME — REDUCTION TO PRACTICE — DILIGENCE — REQUIRED DEGREE OF PROMPTNESS DEPENDENT ON INVENTOR'S CIRCUMSTANCES.

To hold that an inventor without funds must be as prompt in reducing his conception to practice as an inventor with every facility at his disposal would put the financially-embarrassed inventor at a decided disadvantage and make material means largely determinative of patent rights.

Mr. W. F. Rogers for Wayne.

Mr. R. M. Pierson and *Mr. H. A. Dodge* for Tew.

Before SMYTH, Chief Justice, ROBB, Associate Justice, and SMITH, Judge of the United States Court of Customs Appeals.

SMITH, *J.*:

Whether priority of invention for a method of making rubberized cord fabrics for use in the manufacture of pneumatic tires, should be awarded to Herbert N. Wayne or to James D. Tew, is the issue raised by this appeal.

Wayne filed his application for a patent on the 15th of April, 1918, and Tew filed his application on the 25th of July, 1918.

The Examiner of Interferences found that there was evidence tending to show that Wayne disclosed his invention to Doctor Hutchinson in the early part of 1917 and that the evidence submitted on the interference proceedings satisfactorily established conception by Wayne as early as July 15, 1917.

Tew testified and the testimony on his behalf shows that disclosure of his invention was not made until late in September or early in October, 1917. That Tew superintendent of the Pneumatic Tire Division of the B. F. Goodrich Tire Company and the junior party reduced the invention to practice not later than January 8, 1918, does not seem to be disputed and the uncontradicted testimony tended to establish reduction to practice on the part of Tew as early as November 26, 1917.

As Wayne was the first to conceive the invention and the last to reduce it to practice the Examiner of Interferences held that it was incumbent upon him to prove that between November, 1917, and his filing date April 15, 1918, he exercised reasonable diligence in perfecting the invention.

The Examiner of Interferences found that reasonable diligence was not exercised by Wayne and accordingly awarded priority to Tew. From that ruling an appeal was taken to the Examiners in Chief who held that the evidence warranted a finding that Wayne did exercise reasonable diligence to reduce his invention to practice. The decision of the Examiner of Interferences was therefore reversed and priority given to Wayne, the senior party. On appeal to the Commissioner the decision of the Examiners in Chief was reversed by the Assistant Commissioner and from that decision this appeal was taken by Wayne.

Whether the evidence establishes that Wayne exercised that perseverance and reasonable diligence in reducing his invention to practice and in giving the benefit of it to the public, which the circumstances surrounding him permitted, is the only real question in the case.

Wayne testified that in the early part of 1917, he kept a small retail tire store on Figuroa Street, Los Angeles, Calif., and that in the first week of June, 1917, he was compelled to close its doors because of lack of money and the failure of his financial backer to make advances necessary for the business; that after closing his store and until April 15, 1918, he was out of employment and realizing that a man of his age had little chance of a salaried position, he devoted his efforts to the securing of financial backing which would enable him to put his invention to commercial use; that in May or June, 1917, he disclosed his conception to Doctor Hutchinson, Doctor Mabee and others for the particular purpose of inducing them to finance the invention; that Doctor Hutchinson admitted that he was impressed with the merits of Wayne's idea, but told Wayne that the making of automobile tires and rubber work, was not in his or Doctor Mabee's line and that therefore they could not let him have the money which he required; that later in July, 1917, with the object in view of securing the money to perfect and carry out his conception, he endeavored to interest E. N. Childers, and took Mr. Childers to the Compton Rubber Factory near Los Angeles where he explained to Childers how much quicker was his method of making tire carcasses than was that of the company. Doctor Hutchinson corroborated Wayne as to the disclosure and the request directed to Doctor Mabee and himself for financial assistance to obtain a patent and suitable machinery for insulating the cords. Doctor Hutchinson testified that Doctor Mabee and himself declined to furnish any money for the reason that neither of them knew anything about rubber work or making tires. Childers testified that for a couple of weeks he endeavored to raise money to finance Wayne's idea, but that he finally gave up hope of helping Wayne financially and dropped the matter about the first of August, 1917. Correspondence admitted in evidence proves that from November 13, 1917, to January 23, 1918, Wayne was engaged in negotiating with the Housatonic Machinery & Tool Company relative to the cost of a tire machine for his conception. The period from November 5, 1917, to November 13, 1917, and from January 23, 1918, down to April 15, 1918, therefore marks the time during which the activities of Wayne were suspended. He filed an application for an armor cord tube, on the 29th of October, 1917. The filing of that application instead of the application in interference, Wayne explains, by stating that he had only money enough for the filing of one application and that he could not file two applications without using moneys absolutely necessary for household expenses. He admitted that he could have filed the application in interference, but that he elected to file the other inasmuch as the tube for which he applied, offered a better chance of obtaining financial backing than did the factory process covered by the interference application.

Unquestionably Tew who was superintendent of the B. F. Goodrich Company and had charge of the manufacture of its cord tires was prompt in reducing his conception to practice. He had every facility to do so and little or no excuse for delay

Wayne who first conceived the invention was not so diligent as Tew and could not well be embarrassed as he was by the handicap that vexes nearly all mankind, lack of money when it is wanted. Wayne was compelled to close the doors of his little retail tire business for lack of funds and just at the time when he needed money most he found himself with but little hope of employment and no means to reduce his invention to practice. He was far removed from the great manufacturing centers of the country and from the capital which knowing something of the value of new conceptions might have been disposed to furnish the necessary moneys to make it a success. Nevertheless, Wayne did not despair and beyond question earnestly and conscientiously endeavored to interest his friends in his enterprise and to secure from them the funds necessary to make application for a patent and to obtain machinery for the manufacturing of the insulated cords which he required. But his friends knew nothing about the manufacture of tires or rubber work and as might have been expected, he did not succeed in inducing them to part with their money on the faith of his representations. Wayne then concluded that his factory process did not stand as good a chance of obtaining financial backing as would his armor cord tube, a commodity designed for general consumption. Apparently his reasoning proved to be correct and he succeeded in borrowing sufficient money to file an application for a patent on the tube. Not being able to raise enough money to file two applications the sensible thing to do was to file one application in the reasonable expectation that success with the filed application might enable him to afford the other.

[1, 2] The fact that he was compelled to make a choice as to which application he would file and that he chose to file on the tube which offered the best chance of immediate financial returns, can hardly be regarded as lack of diligence in filing the application in interference, in view of the fact that he might reasonably expect that filing on the former would enable him to file on the latter. To hold that an inventor without funds must be as prompt in reducing his conception to practice as an inventor with every facility at his disposal, would put the financially-embarrassed inventor at a decided disadvantage and make material means largely determinative of patent rights. We are not prepared to go that far.

We are of the opinion that the decision of the Examiners in Chief was sound and that the decision appealed from should be reversed.

PATENT SUITS.

[Notices under section 4921, Revised Statutes, as amended February 18, 1922.]

902,724. (See 1,442,584.)

966,507, E. H. Wright, Barrel-washing machine, suit filed May 7, 1923, D. C., E. D. N. Y., Doc. 1259, *E. H. Wright* v. *F. Ame Co., Inc.*

971,097, F. H. Woolf, Candy machine, suit filed May 24, 1923, D. C., E. D. N. Y., Doc. 1265, *Racine Confectioner's Machinery Co.* v. *Metro Chocolate Co.*

985,709, D. F. Shope, Method of waterproofing cement blocks; 1,270,450, same, Processes of waterproofing and ornamenting objects, suit filed July 2, 1923. D. C., D. Wash. (S. D.), Doc. E 171, *Shope Brick Co.* v. *Smith & Smith* (*Smith Bros.*)

1,136,164, Ohmer & Bridenbaugh, Taximeter, suit filed June 11, 1923, D. C., S. D. N. Y., Doc. E 26/380, *Ohmer Fare Register Co.* v. *American Taximeter Co.*

1,192,673, F. Nace, Antislipping or antiskidding devices for wheeled vehicles, suit filed Jan. 19, 1922, D. C., N. D. Ohio (E. D.), Doc. 688, *Nacekid Service Chain Co.* v. *Perdue & Muffly* (*Faultless Chain Co.*). Final decree adjudging claims 1 and 3 invalid for want of invention. Bill dismissed, petition for appeal filed June 6, 1923.

1,265,237, W. Morrison, Method of making brushes, suit filed July 7, 1923, D. C., N. D. N. Y., Doc. 431, *Troy Brush Co.* v. *The Monarch Brush Co.*

1,270,450. (See 985,709.)

1,280,921, J. Whitaker, Printing devices, suit filed July 2, 1923, D. C., W. D. N. Y., Doc. C 457, *Safe-Guard Check Writer Co.* v. *Hall-Welter Co., Inc.*

1,353,750, K. Heitler, Garment protector, suit filed May 28, 1923, D. C., E. D. N. Y., Doc. 1267, *K. Heitler et al.* v. *Brooklyn Shield & Rubber Co.*

1,414,321, A. Zwiebelson, Brassière, final consent decree granting injunction and restraining defendants. Agreement reached as to profits, damages, and costs, filed June 28, 1923, D. C., S. D. N. Y., *A. Zwiebelson* (*Mollie Mayer*) v. *Fried & Heit* (*Best Fit Brassiere Co.*).

1,421,927, H. Faurot, jr., Window-mounting devices, suit filed June 18, 1923, D. C., E. D. Mich. (S. D.), Doc. 588, *Western Felt Works* v. *C. R. Wilson Body Co.*

1,422,379. (See 1,442,584.)

1,442,584, M. Schey, Spit support for rotisseries; 1,422,379, same, Heating element; 902,724, G. Giovanna, Apparatus for broiling meats and the like, suit filed May 31, 1923, D. C., S. D. N. Y., Doc. E 26/364, *M. Schey* v. *O. Turi et al.* Decree adjudging infringement and granting injunction, plaintiff to recover $50 damages, filed June 19, 1923.

1,455,647, S. Morrison, Combination vanity boxes, suit filed June 28, 1923, D. C., S. D. N. Y., Doc. E 27/4, *Pallas Mfg. Co., Inc.*, v. *Exclusive Metal Products Corp. et al.*

Des. 48,560, W. Luttringhaus, Percolators; Des. 51,144, Des. 51,145, same, Teapot; Des. 53,309, Des. 55,480, same, Berlin kettle; Des. 53,454, same, Berlin saucepan; Des. 55,187, same, Cooker pot; Des. 55,479, same, Preserving kettle, final decree, patents invalid, bill dismissed at plaintiff's cost June 6, 1923, D. C., N. D. Ohio (E. D.), *Aluminum Goods Mfg. Co.* v. *The Buckeye Aluminum Co.*

Des. 51,144. (See Des. 48,560.)

Des. 51,145. (See Des. 48,560.)

Des. 53,309. (See Des. 48,560.)

Des. 53,454. (See Des. 48,560.)

Des. 55,187. (See Des. 48,560.)

Des. 55,479. (See Des. 48,560.)

Des. 55,480. (See Des. 48,560.)

Des. 62,151, J. G. Stokes, Doll, suits filed May 1, 1923, D. C., S. D. N. Y., Doc. E 26/297, *Jane Gray Co., Inc., et al.* v. *Jeanette Doll Co., Inc.* Same, Doc. E 26/298, *Jane Gray Co., Inc., et al.* v. *E. Goldberger.* Same, Doc. E 26/299, *Jane Gray Co., Inc., et al.* v. *Bloomingdale Bros., Inc.*

Des. 62,175, L. W. Rice, Bowl or the like, suit filed May 17, 1923, D. C., E. D. N. Y., Doc. 1260, *B. Rice's Sons, Inc.*, v. *Sheffield Silver Co., Inc.* Same, Doc. 1261, *B. Rice's Sons, Inc.*, v. *White Metal Rolling & Stamping Corp.*

TRADE-MARKS CANCELED.

38,670. Golf balls. M. Hartley Co., of New York, N. Y., and Bridgeport, Conn. Registered July 29, 1902. Canceled May 9, 1923.

88,440. Stock feed. K & E Neumond, of New Orleans, La. Registered September 17, 1912. Canceled April 17, 1923.

95,341. Mattresses, springs, pillows, and couches. J. Osiason, of Fall River, Mass. Registered February 10, 1914. Canceled May 9, 1923.

103,736. Liquid paraffin. Standard Oil Company, of Whiting, Ind., and Chicago, Ill. Registered April 13, 1915. Canceled May 9, 1923.

104,680. Petrolatum oil. Standard Oil Company, of Whiting, Ind., and Chicago, Ill. Registered June 8, 1915. Canceled May 17, 1923.

118,866. Certain named knitted, netted, and textile fabrics. Derryvale Linen Company, of New York, N. Y. Registered October 9, 1917. Canceled March 22, 1923.

121,763. Certain named knitted, netted, and textile fabrics. Derryvale Linen Company, of New York, N. Y. Registered May 28, 1918. Canceled March 22, 1923.

125,417. Certain named knitted, netted, and textile fabrics. Derryvale Linen Company, of New York, N. Y. Registered May 20, 1919. Canceled March 22, 1923.

130,060. Certain named textiles. Derryvale Linen Company, of New York, N. Y. Registered April 6, 1920. Canceled March 22, 1923.

130,061. Certain named textiles. Derryvale Linen Company, of New York, N. Y. Registered April 6, 1920. Canceled March 22, 1923.

134,207. Dishwashing machines and metal-parts-washing machines. Bromley-Merseles Mfg. Co., of New York, N. Y. Registered August 17, 1920. Canceled July 2, 1923.

135,877. Pneumatic inner tubes. U. S. Compression Inner Tube Co., of Tulsa, Okla. Registered October 19, 1920. Canceled July 2, 1923.

138,180. Tape measures. Charles W. Crogan, of Bangor, Me. Registered December 14, 1920. Canceled March 22, 1923.

141,782. A remedy for the treatment of the blood, heart, brain, and nervous system. Dr. Miles Medical Company, of Elkhart, Ind. Registered April 26, 1921. Canceled May 9, 1923.

142,591. Silver and metal polish. George H. Johnston, of Norristown, Pa. Registered May 17, 1921. Canceled June 16, 1923.

142,877. Ladies' dresses and costumes. I. Heller & Co. Inc., of New York, N. Y. Registered May 17, 1921. Canceled April 17, 1923.

142,859. Cloaks, suits, and evening wraps for women. Blogg & Littauer, of New York, N. Y. Registered May 17, 1921. Canceled April 17, 1923.

142,981. Writing paper. Derryvale Linen Company, of New York, N. Y. Registered May 24, 1921. Canceled March 22, 1923.

145,341. Ice-cream cones. Cone Company of America, of New York, N. Y. Registered August 2, 1921. Canceled April 24, 1923.

146,029. A series of books. P. F. Collier & Son Company, of New York, N. Y. Registered August 23, 1921. Canceled March 22, 1923.

146,030. Series of books. P. F. Collier & Son Company, of New York, N. Y. Registered August 23, 1921. Canceled March 22, 1923.

152,678. Fresh onions, potatoes, carrots, and apples. Benjamin Balish, of Brooklyn, New York, N. Y. Registered March 7, 1922. Canceled April 7, 1923.

154,698. Gelatine for various foods. Harold A. Sinclair, of New York, N. Y. Registered April 18, 1922. Canceled July 17, 1923.

157,029. Ordinary lead pencils and magazine lead pencils. Aloysius J. Coleman, of New York, N. Y. Registered July 25, 1922. Canceled April 17, 1923.

160,375. Fishing line. Ashaway Line & Twine Manufacturing Company, of Ashaway, R. I. Registered October 24, 1922. Canceled May 9, 1923.

161,355. A remedy for constipation. William J. Clark, doing business under the name of the Livertone Co., of New York, N. Y. Registered November 7, 1922. Canceled March 22, 1923.

163,190. Medicine for use in the treatment of rheumatism, kidney, liver, and stomach trouble; also tuberculosis, asthma, and catarrh. Mike Ulbs, of Elgin, Nebr. Registered January 2, 1923. Canceled July 24, 1923.

TRADE-MARKS

OFFICIAL GAZETTE, AUGUST 14, 1923.

[PUBLISHED AUGUST 15, 1923.]

[VOL. 313. No. 2.]

The following trade-marks are published in compliance with section 6 of the act of February 20, 1905, as amended March 2, 1907. Notice of opposition must be filed within thirty days of this publication.

Marks applied for "under the ten-year proviso" are registrable under the provision in clause (b) of section 5 of said act as amended February 18, 1911.

As provided by section 14 of said act, a fee of ten dollars must accompany each notice of opposition.

Ser. No. 123,328. (CLASS 37. PAPER AND STATIONERY.) BROOKS-WILBOR-PARSONS COMPANY, Cleveland, Ohio. Filed Oct. 2, 1919.

BROOKS-WILBOR PARSONS CO. INSURANCE B.W.P.

No claim is made to the exclusive use of the words "Insurance" and "Brooks-Wilbor-Parsons" apart from the mark shown in the drawing.

Particular description of goods.—Books of Blank Forms, Including Inventory Books, Appraisal Books, and Automobile Tire-Record Books.

Claims use since January, 1911.

Ser. No. 124,422. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) GEORGE ALBERT STAFFORD, doing business as G. A. Stafford & Company, New York, N. Y. Filed Oct. 31, 1919.



No claim is made to the printed matter other than the word "Drilox," the letter "S" and "Co.," and the numerals apart from the mark shown in the drawing. The numerals "200" and the upper half of the diamond-shaped figure are lined for red.

Particular description of goods.—Woven Cotton Fabrics in the Piece.

Claims use since Apr. 1, 1914.

Ser. No. 137,252. (CLASS 19. VEHICLES, NOT INCLUDING ENGINES.) ARIEL WORKS LTD., Birmingham, England. Filed Sept. 16, 1920.

ARIEL

Particular description of goods.—Cycles, Motor Cycles, Automobiles, Aeroplanes, and Carriages.

Claims use since May 15, 1893.

Ser. No. 137,528. (CLASS 16. PAINTS AND PAINTERS' MATERIALS.) MATTHEW F. KELLER, Springfield, Ohio. Filed Sept. 23, 1920.

MARVEL

Particular description of goods.—House Paints, Concrete and Cement Paint, Floor Paint, Barn Paint, Roof Paint, Window-Shade Paint, Screen Paint, Wagon Paint, White Enamels, Enamel Undercoat, Wall Enamels, Kitchen Enamel, Bathtub Enamel, Slick Auto Enamel, Bedstead Enamel, Gold and Siler Enamels, Stove Enamels, Blackboard Slating, Furniture Polish, Shingle Stains, Varnish, Varnish Stains, Floor Wax, Oak Ground Color, Mahogany Ground Color, Oil Colors, Tube Colors in Oil, Japan Colors, Paste Wood Fillers, Paste Paint, Liquid Wood Filler, Japan Driers, Bronzing Liquids, Metal Primer, Graining Compound, Graining Colors in Oil.

Claims use since on or about Jan. 1, 1911.

Ser. No. 147,856. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) W. T. WOOLFOLK, doing business as Woolfolk Coffee Company, Lexington, Ky. Filed May 17, 1921.



"Phoenix Hotel Cup."

Particular description of goods.—Coffee.

Claims use since March, 1909.

Ser. No. 148,647. (CLASS 12. CONSTRUCTION MATERIALS.) CORRUGATED BAR COMPANY, INC., Buffalo, N. Y. Filed June 4, 1921.

ORR

Particular description of goods.—Metal Rods, Bars, Stirrups, Hoops, Spirals, Frames, and Meshwork for Reinforcing Concrete, and Fasteners and Spacing Devices Used Therewith, and Metallic Lathing and Studding.
Claims use since Oct. 28, 1911.

Ser. No. 149,779. (CLASS 39. CLOTHING.) THE SCHUSTER COMPANY INCORPORATED, Louisville, Ky. Filed June 28, 1921.

Alris

Particular description of goods.—Shirts—Namely, Dress, Negligee, and Work Shirts; Neckwear—Namely, Men's Necktles, Men's Scarfs, and Ladies' Scarfs; Underwear—Namely, Knitted and Textile Fabrics for Men, Women, and Children; Sweaters, Hosiery, Gloves—Namely, Leather, Rubber and Fabric; Garters, Suspenders.
Claims use since June 17, 1921.

Ser. No. 151,823. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) THE JOHN F. BYERS MACHINE COMPANY, Ravenna, Ohio. Filed Aug. 16, 1921.

Particular description of goods.—Cranes.
Claims use since June 13, 1921.

Ser. No. 152,245. (CLASS 37. PAPER AND STATIONERY.) GORHAM MANUFACTURING COMPANY, Providence, R. I. Filed Aug. 27, 1921. Under section 9, act of Mar. 19, 1920.

GORHAM

Trade-mark comprises the word "Gorham."
Particular description of goods.—Desk Sets, Pens, Fountain Pens, Lead Pencils, Steel-Blade Erasers, Letter Openers, Writing Paper and Envelopes and Diaries.
Claims use since 1904.

Ser. No. 153,076. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) CALIFORNIA BAKERY COMPANY, Bisbee, Ariz. Filed Sept. 19, 1921.

GOLDEN CRUST LOAF

No claim is made to the words "Golden Crust Loaf," the picturization of a pan of rolls or a loaf of bread apart from the mark as shown.
Particular description of goods.—Bread.
Claims use since June 1, 1921.

Ser. No. 154,570. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) MAMIE RINGE, Philadelphia, Pa. Filed Oct. 25, 1921.

R
DISTINCTIVE RINGE INDIVIDUALITY

No claim is made to the words "Distinctive" and "Individuality" or the letter "R" apart from the mark as shown.
Particular description of goods.—Candies.
Claims use since about September, 1920.

Ser. No. 154,962. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) THE WILLIAM CRAMP & SONS SHIP & ENGINE BUILDING CO., Philadelphia, Pa. Filed Nov. 3, 1921.

CRAMP
SUPER ENGTH GE BRONZE

No claim made to the words "Super Strength Gear Bronze" nor to the representation of the gear apart from the mark shown in the drawing, but reserving any common-law rights said corporation may have therein.
Particular description of goods.—Gears and Gear Blanks.
Claims use since Jan. 1, 1921.

Ser. No. 155,878. (CLASS 44. DENTAL, MEDICAL, AND SURGICAL APPLIANCES.) SAUL E. FRANKFURT, Cleveland, Ohio. Filed Nov. 25, 1921.

O-K-O

Particular description of goods.—Sanitary Napkins and Aprons.
Claims use since Sept. 15, 1921.

Ser. No. 156,542. (CLASS 50. MERCHANDISE NOT OTHERWISE CLASSIFIED.) NEW JERSEY PAPER TUBE COMPANY, Englewood, N. J. Filed Dec. 10, 1921.

PURITY

No claim made to the use of the representation of the straws apart from the mark as shown.
Particular description of goods.—Soda Straws or Artificial Drinking Straws.
Claims use since Oct. 1, 1921.

Ser. No. 156,740. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) GRAND LAKE & GULF SHRIMP COMPANY, Westwego, La. Filed Dec. 15, 1921.

LABELLE

Particular description of goods.—Canned Shrimp.
Claims use since Oct. 15, 1916.

Ser. No. 157,377. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) MARCHIONY BROTHERS, INC., New York, N. Y. Filed Dec. 31, 1921.

SPUMONI

No claim is made to the word "Spumoni" apart from the mark shown on the drawing.
Particular description of goods.—Ice Cream, Flavored Ice, Ice-Cream Bricks, Ice-Cream Cones, and Ice-Cream Sandwiches.
Claims use since June, 1920.

Ser. No. 157,758. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) CALIFORNIA ASSOCIATED RAISIN CO., now by change of name Sun-Maid Raisin Growers, Fresno, Calif., a Corporation of California, Fresno, Calif. Filed Jan. 11, 1922.

Had your IRON today?

Particular description of goods.—Raisins and Candy.
Claims use since March, 1921.

Ser. No. 157,781. (CLASS 37. PAPER AND STATIONERY.) W. E. THAYER COMPANY, INC., Mount Vernon, N. Y. Filed Jan. 11, 1922.

Silent Secretary

Particular description of goods.—Files.
Claims use since April, 1921.

Ser. No. 158,129. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) KWIK-EGE STROPPER CO., (NOT INC.), Chicago, Ill. Filed Jan. 19, 1922.

KWIK-EGE

Particular description of goods.—Razor-Blade-Stropping Holders.
Claims use since Dec. 15, 1921.

Ser. No. 158,352. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) JOHN E. ZANGMASTER, Columbus, Ohio. Filed Jan. 23, 1922.

FROZIT

Particular description of goods.—Coated Ice-Cream Products—Namely, Chocolate-Coated Ice-Cream Rolls.
Claims use since Dec. 15, 1921.

Ser. No. 158,785. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) CHARLES F. MATTLAGE & SONS, INC., New York, N. Y. Filed Feb. 2, 1922.

GOLD COIN

Particular description of goods.—Canned, Smoked, Dried, and Salt Fish.
Claims use since about 1884.

Ser. No. 158,819. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) CONE COMPANY OF AMERICA, Long Island City, N. Y. Filed Feb. 3, 1922.



Particular description of goods.—Ice-Cream Cones.
Claims use since Oct. 21, 1920.

Ser. No. 159,088. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) FROZEN FRUIT, INC., Harrisburg, Pa. Filed Feb. 9, 1922.



No claim made to the words "The Crystal Coated Candy" apart from the mark shown in the drawing; but applicant does not by this disclaimer surrender its common-law rights to this phrase; no claim made to the conventional lining for color on the drawing.
Particular description of goods.—Candy.
Claims use since Nov. 1, 1921.

Ser. No. 159,461. (CLASS 39. CLOTHING.) GUEST NECKWEAR CO., INC., Rochester, N. Y. Filed Feb. 17, 1922.



No claim made to the exclusive use of the words "Full Fashion" or "Stretch Proof" or the representation of a necktie apart from the mark shown on the drawing.
Particular description of goods.—Neckties.
Claims use since Jan. 1, 1922.

Ser. No. 160,707. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) CHARLES G. HARRIS, Jr., Philadelphia, Pa. Filed Mar. 15, 1922.

H-V-D

Particular description of goods.—Vegetable Oils for Hemorrhoids, Cuts, Bruises, Burns, Scalds, and Sunburn.
Claims use since Mar. 6, 1922.

Ser. No. 160,852. (CLASS 39. CLOTHING.) THE AMERTEX MILLS, INC., Bridgeport, Conn., and New York, N. Y. Filed Mar. 18, 1922.

Arctic-Seal

No claim is made to the exclusive right to the use of the word "Seal" apart from the mark shown. The mark consists of the words "Arctic-Seal."
Particular description of goods.—Women's, Children's, and Infants' Coats, Cloaks, Wraps, Capes, Suits, Costumes, Dresses, Waists, Skirts, Hats, of Textile Fabrics.
Claims use since Sept. 15, 1921.

Ser. No. 161,286. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) TAKAMINE LABORATORY, INC., Clifton, N. J. Filed Mar. 25, 1922.

VITAZIME

Particular description of goods.—Yeast Aid in the Baking of Bread.
Claims use since Jan. 6, 1922.

Ser. No. 161,822. (CLASS 14. METALS AND METAL CASTINGS AND FORGINGS.) DIAMOND EXPANSION BOLT CO., New York, N. Y. Filed Apr. 6, 1922.

DIAMOND

Particular description of goods.—Galvanizing.
Claims use since Mar. 13, 1922.

Ser. No. 162,088. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) THE WELDEN NATIONAL BANK, St. Albans, Vt. Filed Apr. 10, 1922.

BANKER'S BOND

Particular description of goods.—Table Sirup and Maple Sugar.
Claims use since Mar. 1, 1922.

Ser. No. 162,096. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) AMERICAN NICOTINE COMPANY, Henderson, Ky. Filed Apr. 11, 1922.



The use of the word "Brand" is disclaimed apart from the mark as shown.
Particular description of goods.—Nicotine Sulphate, Free Nicotine, and Tobacco Extracts.
Claims use since Dec. 1, 1921.

Ser. No. 162,375. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) BUDDY BROOKS, INC., Marshall, Mich. Filed Apr. 17, 1922.

BUDDY BROOKS

Particular description of goods.—Talcum Powders.
Claims use since Feb. 2, 1922.

Ser. No. 163,154. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) ALEC KLEIN, doing business as F. L. Klein Noodle Co., Chicago, Ill. Filed May 1, 1922.



The symbol of the bird shown on the drawing is lined for red, while the rectangular figure accompanying the symbol is lined for blue.
Particular description of goods.—Saratoga Potato Chips, Macaroni, Egg Noodles, and Spaghetti.
Claims use since Jan. 1, 1921.

Ser. No. 163,166. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) THE MEDINA MANUFACTURING CO., Medina, Ohio. Filed May 1, 1922.

Happijack from Medina

Particular description of goods.—Lift Jack.
Claims use since Jan. 18, 1922.

Ser. No. 163,691. (CLASS 19. VEHICLES, NOT INCLUDING ENGINES.) MANNESMANNRÖHREN-WERKE, Dusseldorf, Germany. Filed May 11, 1922.



Particular description of goods.—Bicycles and Motor Cycles and Parts Therefor, Frames for Motor and Horse-Drawn Vehicles, Railroad Rolling Stock, and Aeroplanes,

Metal Tires and Wheel Rims, Fellies and Spokes for Wheels, Wheels for Wagons, Pneumatic Brakes Including Pipe Lines Therefor, Brakes, Axles, Tongues, Shafts, Spring Leaves, Swing Bars, Spring Tree Bars, and Stud Staves for Motor and Horse-Drawn Vehicles; Small Rowing, Sailing, and Power Boats; Cross Pillars and Stanchions for Ships; Masts, Poles, Cargo Booms and Tackles, Gaffs, Yardarms, Spars, and Boat Davits for Ships.

Claims use since November, 1912.

Ser. No. 164,001. (CLASS 39. CLOTHING.) PINCUS & OTTO, Hamburg, Germany. Filed May 17, 1922.

PIOTO

Particular description of goods.—Gloves.

Claims use since Apr. 1, 1918.

Ser. No. 164,281. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) THE VINCENT DRUG COMPANY, Texarkana, Ark. Filed May 22, 1922.

VAGITONE

Particular description of goods.—Preparation for a Douche for Vaginal Disorders.

Claims use since on or about July 1, 1909.

Ser. No. 164,608. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) SU-DEX WOOD CURING COMPANY, INC., Cos Cob, Conn., and Brooklyn, N. Y. Filed May 27, 1922.

Su-Dex Products

The word "Products" appearing on the drawing is hereby disclaimed.

Particular description of goods.—Carbohydrates and Chemicals Used in the Treatment, Processing, or Other Conditioning of Wood, Lumber, Timber, and Similar Substances for Fireproofing, Waterproofing, Insect Proofing, and Otherwise Protecting the Same.

Claims use since May 7, 1921.

Ser. No. 164,658. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) NORTHWESTERN YEAST COMPANY, Chicago, Ill. Filed May 29, 1922.

YEAST FOAM

No claim made to the exclusive use of the word "Yeast."

Particular description of goods.—Yeast and Vitamine Food Products Which Involve the Use of Yeast, Specifically Yeast Tablets, Yeast Cakes, Yeast in Ground Form, Yeast Paste, Yeast in Solution, and Yeast Powder.

Claims use since Jan. 26, 1915.

Ser. No. 165,211. (CLASS 47. WINES.) SOCIETE VINICOLE DE CHAMPAGNE, Paris, France. Filed June 8, 1922. Under ten-year proviso.



No claim is made to the words "Reims, France, Brut Champagne" apart from the mark shown on the drawing. The drawing is lined for red.

Particular description of goods.—Champagne Wine.

Claims use since Mar. 23, 1883.

Ser. No. 165,527. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) CALIFORNIA AROMA CO., Los Angeles, Calif. Filed June 15, 1922.

DON

Particular description of goods.—Chili Pepper and Chili Powder.

Claims use since Sept. 23, 1921.

Ser. No. 166,332. (CLASS 35. BELTING, HOSE, MACHINERY PACKING, AND NONMETALLIC TIRES.) UNICO MOTOR PRODUCTS CORPORATION, St. Louis, Mo. Filed June 30, 1922.



No exclusive claim made either to the representation of the goods or to the words "Perfect Individually Cast Piston Rings Hav'nt Leaked Yet" apart from the mark shown.

Particular description of goods.—Piston or Packing Rings.

Claims use since September, 1919.

Ser. No. 166,348. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) LA CIE C. H. CATELLI, LIMITED, Montreal, Quebec, Canada. Filed July 1, 1922.



Any descriptive matter in the drawing referring to the goods is hereby disclaimed—namely, the words "Macaroni, Spaghetti, Vermicelli 20 Lbs. Net When Packed."

Particular description of goods.—Alimentary Pastes.

Claims use since Jan. 2, 1922.

Ser. No. 166,554. (CLASS 14. METALS AND METAL CASTINGS AND FORGINGS.) DETROIT ALLOY STEEL COMPANY, Detroit, Mich. Filed July 7, 1922.



No claim is made to the word "Brand" apart from the mark shown.

Particular description of goods.—Tool Steel.

Claims use since June 1, 1921.

Ser. No. 166,793. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) GEORGE L. STOWELL, Waltham, Mass. Filed July 12, 1922.



GEORGE L. STOWELL

The portrait shown is that of applicant.

Particular description of goods.—Preparation for an Ointment for Corns, Bunions, Calli, Cuts, Bruises, Burns, Piles, Abscesses, Carbuncles, and for Skin Irritations; Liniment for Rheumatism, Neuralgia, Headache, Sore Joints, and Muscles; and Foot Lotion.

Claims use since Mar. 27, 1922.

Ser. No. 166,834. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) JOHNSON & SONS, London, England, and New York, N. Y. Filed July 13, 1922.

MERITOL

Particular description of goods.—Photographic Developer.

Claims use since Mar. 12, 1919.

Ser. No. 166,835. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) JOHNSON & SONS, London, England, and New York, N. Y. Filed July 13, 1922.

"SCALOL"

Particular description of goods.—Photographic Developer.

Claims use since Sept. 3, 1917.

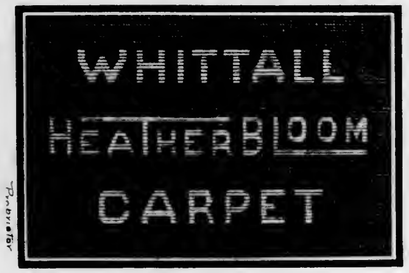
Ser. No. 166,869. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) THE ANGLO INDIAN DRUG & CHEMICAL CO., doing business as Kaminia Perfumery Co., Bombay, India. Filed July 14, 1922.

DIL-BAHAR

Particular description of goods.—Perfumery as a Toilet Article and for Use in Other Toilet Preparations, and Hair Oil.

Claims use since July 1, 1908.

Ser. No. 167,065. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) M. J. WHITTALL ASSOCIATES, Worcester, Mass. Filed July 18, 1922.



The applicant disclaims exclusive appropriation in the descriptive term "Carpet" and also in the representation of the goods. The applicant further disclaims exclusive appropriation of the word "Heatherbloom" except as applied to cut-pile carpet fabrics which are woven in a so-called heather-mixture effect, which is produced with yarns spun from variegated and multicolored wools which are dyed before spinning and are mixed, blended, and assorted before spinning in various proportions and combinations, so as to change and control the color and shade of the finished cloth.

Particular description of goods.—Wilton and Plush Carpets.

Claims use since Apr. 14, 1922.

Ser. No. 167,109. (CLASS 39. CLOTHING.) VANITY FAIR SILK MILLS, Reading, Pa. Filed July 19, 1922.

Barbara Wayne

The name "Barbara Wayne" is in the handwriting of Mrs. M. D. Hill.

Particular description of goods.—Vests, Bloomers, Knickerbockers, Drawers, Union Suits, Combinations, Envelope Chemise, Corset Covers, Nightgowns, Bathing Suits, Pyjamas, Made of Knitted and Textile Materials.

Claims use since Aug. 7, 1919.

Ser. No. 167,216. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) THE ACHESON HARDEN CO., New York, N. Y. Filed July 22, 1922.

WONDERLAND

Trade-mark consists of the word "Wonderland."

Particular description of goods.—Children's Handkerchiefs.

Claims use since May 12, 1922.

Ser. No. 167,390. (CLASS 19. VEHICLES, NOT INCLUDING ENGINES.) GRIGSBY-GRUNOW-HINDS CO., Chicago, Ill. Filed July 26, 1922.

"POPULAR"

Particular description of goods.—Windshield Visors for Automobiles.

Claims use since Jan. 2, 1922.

Ser. No. 167,391. (CLASS 19. VEHICLES, NOT INCLUDING ENGINES.) GRIGSBY-GRUNOW-HINDS CO., Chicago, Ill. Filed July 26, 1922.



Particular description of goods.—Windshield Visors for Automobiles.

Claims use since Jan. 2, 1922.

Ser. No. 167,592. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) FA-MO COMPANY, Memphis, Tenn. Filed July 20, 1922.

"FA-MO"

Particular description of goods.—Sweet Pickles.

Claims use since 1918.

Ser. No. 167,841. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) DE GEILE LABORATORIES, INC., Minneapolis, Minn. Filed Aug. 5, 1922.



Particular description of goods.—Muscle Oil, Acne Lotion, Bleaching Lotion, Lemon Cream, Cleansing Cream, and Skin Tonic.

Claims use since 1918.

Ser. No. 167,862. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) THE BERDAN COMPANY, Toledo, Ohio. Filed Aug. 7, 1922.

RED, WHITE AND BLUE

Particular description of goods.—Coffee and Tea.

Claims use since 1895.

Ser. No. 167,900. (CLASS 34. HEATING, LIGHTING, AND VENTILATING APPARATUS, NOT INCLUDING ELECTRICAL APPARATUS.) THE SOUTH BEND SPARK ARRESTER CO., South Bend, Ind. Filed Aug. 7, 1922. Under ten-year proviso.

SOUTH BEND

Particular description of goods.—Spark Arresters.

Claims use since 1887.

Ser. No. 168,552. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) O. W. RICHARDSON & CO., Chicago, Ill. Filed Aug. 21, 1922.

Budget

Particular description of goods.—Textile Rugs and Carpets.

Claims use since Aug. 16, 1922.

Ser. No. 168,603. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) GEM-AIR PERMANENT WAVE CO. INC., New York, N. Y. Filed Aug. 23, 1922.

GEMOIL

Particular description of goods.—Oily Preparation for Producing Permanent Waves in the Human Hair.

Claims use since April, 1921.

Ser. No. 168,674. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) EPHRAIM SANITARY CANNING COMPANY, Ephraim, Utah. Filed Aug. 25, 1922.

SPORT

Particular description of goods.—Canned Vegetables.

Claims use since June 15, 1922.

Ser. No. 168,782. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) ORANGEVALE FRUIT GROWERS EXCHANGE, Orangevale Colony, Calif. Filed Aug. 28, 1922.



Particular description of goods.—Fresh Fruits—viz, Grapes; Citrous Fruits—viz, Pomelo, Oranges, Pomegranates; Deciduous Fruits—viz, Apples, Pears, Cactus Pears, Plums, Peaches, Cherries, Prunes, Figs, Loquats, Nectarines, Avocadoes, Quinces, Persimmons, Olives, and Apricots.

Claims use since July 7, 1922.

Ser. No. 169,259. (CLASS 35. BELTING, HOSE, MACHINERY PACKING, AND NONMETALLIC TIRES.) SIMMONS HARDWARE COMPANY, St. Louis, Mo. Filed Sept. 9, 1922.

RUN EASY

Particular description of goods.—Bicycle Tires and Automobile Tubes and Casings.

Claims use since Feb. 1, 1898.

Ser. No. 169,515. (CLASS 12. CONSTRUCTION MATERIALS.) VANCOUVER CEDAR MILLS, LIMITED, Vancouver, British Columbia, Canada, and Chicago, Ill. Filed Sept. 15, 1922.



Particular description of goods.—Shingles, Siding, and Finishing Lumber.

Claims use since Mar. 1, 1916.

Ser. No. 169,581. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) JULES FEROND CO., INC., New York, N. Y. Filed Sept. 18, 1922.

FEROND'S
(Milwshew)

Jules Ferond

The name "Jules Ferond" appearing on the drawing is a facsimile of the signature of Jules Ferond, president of the applicant corporation.

Particular description of goods.—Preparation for the Treatment of the Scalp.

Claims use since April, 1910.

Ser. No. 169,856. (CLASS 14. METALS AND METAL CASTINGS AND FORGINGS.) INLAND STEEL COMPANY, Chicago, Ill. Filed Sept. 23, 1922.

INLAND COPPER ALLOY

No claim is made to the words "Copper" and "Alloy" apart from the mark shown by the drawing.

Particular description of goods.—Copper-Alloy Steel.

Claims use since about Feb. 15, 1922.

Ser. No. 170,066. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) HENRY R. HOEFLER, Astoria, Oreg., and San Francisco, Calif. Filed Sept. 29, 1922.



The words "Home of the Centennial Chocolates" are disclaimed apart from the mark as shown.
Particular description of goods.—Chocolate and Candies.
Claims use since December, 1921.

Ser. No. 170,107. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) HENRY R. HOEFLER, Astoria, Oreg., and San Francisco, Calif. Filed Sept. 29, 1922.

Henry R. Hoefler

The trade-mark presents a facsimile of applicant's signature.
Particular description of goods.—Chocolate and Candies.
Claims use since December, 1921.

Ser. No. 170,563. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) THE GEORGE CLOSE CO., Cambridge, Mass. Filed Oct. 11, 1922.

Good eater"

Particular description of goods.—Candy.
Claims use since August, 1920.

Ser. No. 170,865. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) COLLEGE INN FOOD PRODUCTS CO., Chicago, Ill. Filed Oct. 18, 1922.



No claim is made to the use of the words "Cooked Food, Chicken a la King, One of Many Specialties of the Famous College Inn, Hotel Sherman, Chicago, Ready to Eat, Directions, College Inn Food Products Co. Chicago, Ill., Net Weight 11 Ounces," apart from the mark shown on the drawing, applicant specifically reserving all common-law rights to such words so claimed. On the drawing the vertical stripes are lined to indicate alternately a green and black coloration, and the background on the panels is lined to indicate a yellow and gold coloration.
Particular description of goods.—Cooked and Canned Food Products—Namely, Chicken a la King, Chicken Noodle Soup, Chicken a la Creole, Chicken Tetrazzini, Paprika Veal Stew (Goulash, Hungarian Style), Beef a la Deutsch, Candied Sweet Potatoes, Candied Parsnips; Carrots, Creole; Spaghetti, Italienne; Cream of Chicken Soup, Jellied Tomato Bouillon, Cream of Tomato Soup, Cream of Potato Soup; Paprika, Chicken; Chicken Broth, Vegetable Soup, Creole Sauce, Pea Soup St. Germain, Jellied Chicken Bouillon, Purée Mongol (Pea and Tomato Soup), Cream of Asparagus Soup, Welsh Rabbit.
Claims use since Feb. 2, 1922.

Ser. No. 170,881. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) W. T. GRANT COMPANY, New York, N. Y. Filed Oct. 18, 1922.

SURETY-PURITY

Particular description of goods.—Candy.
Claims use since Oct. 4, 1922.

Ser. No. 171,062. (CLASS 16. PAINTS AND PAINTERS' MATERIALS.) A. C. BOYD, doing business as Pine-O Chemical Company, Langdale, Ala. Filed Oct. 23, 1922.

PINE-O

Particular description of goods.—Furniture and Automobile Polish.
Claims use since July, 1922.

Ser. No. 171,071. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) J. C. FORKNER FIG GARDENS, INCORPORATED, Fresno, Calif. Filed Oct. 23, 1922.

MARTELLA

Trade-mark consists of the word "Martella."
Particular description of goods.—Jams.
Claims use since June 1, 1922, in interstate trade.

Ser. No. 171,292. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) TAO TEA COMPANY, INC., New York, N. Y. Filed Oct. 27, 1922.

TAO TEA

Particular description of goods.—Tea.
Claims use since Aug. 2, 1922.

Ser. No. 171,305. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) THE CURTIS CORPORATION, Wilmington, Del., and Long Beach, Calif. Filed Oct. 28, 1922.

RIALTO

Particular description of goods.—Canned Ripe Olives and Canned Fish.
Claims use since 1913 in respect of olives; since 1917 in respect of canned fish.

Ser. No. 171,446. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) EDWIN E. BERLINER & Co., New York, N. Y. Filed Nov. 1, 1922.

FASHION FABRICS



No claim is made to the exclusive use of the words "Fashion Fabrics" apart from the mark as shown in the drawing. The face of the figure is colored in orange. The stem and leaves of the cotton plant are colored in black, and the cotton upon the plant and the veins of the plant are colored in white.
Particular description of goods.—Cotton Piece Goods.
Claims use since Aug. 1, 1921.

Ser. No. 171,471. (CLASS 1. RAW OR PARTLY-PREPARED MATERIALS.) THE RUBBER SERVICE LABORATORIES COMPANY, Akron, Ohio. Filed Nov. 1, 1922.

"FLUXOL"

Particular description of goods.—Hardwood Pitch.
Claims use since July 15, 1922.

Ser. No. 171,708. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) ROHE & BROTHER, New York, N. Y. Filed Nov. 7, 1922.

MAYFAIR

Particular description of goods.—Smoked Pork Products.
Claims use since Oct. 17, 1922.

Ser. No. 171,864. (CLASS 9. EXPLOSIVES, FIREARMS, EQUIPMENTS, AND PROJECTILES.) OSAKEYHTIO SAVO, LTD., Kuopio, Finland. Filed Nov. 11, 1922.



Particular description of goods.—Matches.
Claims use since Jan. 1, 1919.

Ser. No. 172,532. (CLASS 19. VEHICLES, NOT INCLUDING ENGINES.) THE HELMET CAP COMPANY, INC., New York, N. Y. Filed Nov. 25, 1922.



No claim is made to the word "Caps" apart from the mark as shown on the drawing.
Particular description of goods.—Radiator Caps.
Claims use since Mar. 10, 1922.

Ser. No. 172,644. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) GARRETT & CO. INC., Brooklyn, N. Y. Filed Nov. 28, 1922.

YE OLDE STYLE

Particular description of goods.—Food-Flavoring Extracts and Jellies.
Claims use since Nov. 24, 1921.

Ser. No. 172,715. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) AMERICAN PICKLE & CANNING COMPANY, Hattiesburg, Miss. Filed Dec. 1, 1922.

IN DIXIE PAC CO GROWN AND PACKED

No claim is made to the words "Grown and Packed in Dixie" apart from the trade-mark as shown in the accompanying drawings.

Particular description of goods.—Pickles and Canned Vegetables.

Claims use since Aug. 1, 1922.

Ser. No. 172,853. (CLASS 39. CLOTHING.) ALLIGATOR OIL CLOTHING COMPANY, St. Louis, Mo. Filed Dec. 4, 1922.

Kenilworth

Particular description of goods.—Topcoats, Raincoats, Overcoats, and Suits for Men and Boys, Made of Cotton, Woolen, and Silk Materials.

Claims use since Nov. 22, 1922.

Ser. No. 173,219. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) ALBERT H. THOMPSON, doing business as Mari Valda Beauty Products Co., San Francisco, Calif. Filed Dec. 11, 1922.

MARI VALDA

Particular description of goods.—Beauty Paste and Hair Tonic.

Claims use since March, 1904.

Ser. No. 173,507. (CLASS 32. FURNITURE AND UPHOLSTERY.) LEVEY PRINTING COMPANY, Indianapolis, Ind. Filed Dec. 18, 1922.

SHIELD PRESS

Particular description of goods.—Card-Index Filing Cabinets, Christmas-Cash-Club Filing Cabinets; Compartment and Shelf Filing Cabinets, Bracket Check Desks, Wall Check Desks, Table Check Desks, Check-Filing Cabinets, Check-Distributing Cabinets, Coin-Wrapper Cabinets, Desks, Desk Drawers, Typewriter-Table Cabinets and Typewriter Tables, Adding-Machine Stands, Typewriter Stands, Typewriter Chairs, Stools, Steel Filing Cabinets, Office Tables, and Filing-Cabinet Tables.

Claims use since May, 1916.

Ser. No. 173,986. (CLASS 39. CLOTHING.) M. E. SMITH & CO., INC., Omaha, Nebr. Filed Dec. 29, 1922.

Knicker Shirt
Made like a man's shirt

No claim is made to the word "Shirt" or "Made Like a Man's Shirt" except as shown.

Particular description of goods.—Women's Shirts Almost Identical with Sport Shirts for Men, with Necessary Modifications to Adapt it to the Female Figure.

Claims use since Nov. 11, 1922.

Ser. No. 174,160. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) WILHELM BRAUNS, GESELLSCHAFT MIT BESCHRÄNKTER HAFTUNG, Quedlinburg, Germany. Filed Jan. 3, 1923.

SCHUTZ MARKE

The words "Schutz," "Marke," "Furder," "Hausbedarf," "zur Stoffe," "Farberei," and "Gilifreie Farean" are disclaimed apart from the mark shown in the drawings.

Particular description of goods.—Colors for Dyeing Purposes.

Claims use since May 4, 1895.

Ser. No. 174,161. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) WILHELM BRAUNS, GESELLSCHAFT MIT BESCHRÄNKTER HAFTUNG, Quedlinburg, Germany. Filed Jan. 3, 1923.

„Wilbra."

Particular description of goods.—Colors for Dyeing Purposes.

Claims use since July 12, 1913.

Ser. No. 174,269. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) SOCIETE ANONYME FABRIQUES DE PRODUITS DE CHIMIE ORGANIQUE DE LAIRE, Issy, France. Filed Jan. 6, 1923.

SANKA

Particular description of goods.—Teas and Coffees; Tea and Coffee Extracts, Both Dry and Liquid, and Tea and Coffee Substitutes.

Claims use since Mar. 19, 1910.

Ser. No. 174,701. (CLASS 39. CLOTHING.) CHARLES MUNTER, New York, N. Y. Filed Jan. 17, 1923.

Munters Motherhood

Particular description of goods.—Corsets, Waist Corsets, Corset Waists, Brassières; Ladies' Underwear—Namely, Camisoles, Ladies' Vests, Chemises, Bloomers, Step-Ins, Petticoats; and Ladies' Dresses.

Claims use since June, 1921.

Ser. No. 174,720. (CLASS 34. HEATING, LIGHTING, AND VENTILATING APPARATUS, NOT INCLUDING ELECTRICAL APPARATUS.) AMERICAN STOVE COMPANY, St. Louis, Mo. Filed Jan. 18, 1923.

BLUE BIRD

Trade-mark "Blue Bird."

Particular description of goods.—Ovens for Gas, Gasoline, and Oil Stoves.

Claims use since Nov. 20, 1922.

Ser. No. 174,950. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) HALSEY DUNWOODY, Paris, France. Filed Jan. 23, 1923.

CHAUDYN

Particular description of goods.—Pharmaceutical Preparations for the Treatment of Rheumatism, Bronchitis, Neuralgia, Lumbago, Cramps, Stiffness of the Muscles, Sore Throat, Sprains, and Sciatica.

Claims use since Aug. 10, 1922.

Ser. No. 174,969. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) J. A. MIGEL, INC., North Bergen, N. J., and New York, N. Y. Filed Jan. 23, 1923.

A MIGEL FABRIC
RIPPLE-O

Exclusive use of the word "Fabric" is disclaimed apart from the mark as shown.

Particular description of goods.—Broad Silk for Ladies' and Misses' Dresses and Garments.

Claims use since Jan. 11, 1923.

Ser. No. 175,057. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) THE BATTLE CREEK FOOD COMPANY, Battle Creek, Mich. Filed Jan. 25, 1923. Under ten-year proviso.

Nuttolene

Particular description of goods.—Nut Butter.

Claims use since Mar. 1, 1893.

Ser. No. 175,060. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) THE BATTLE CREEK FOOD COMPANY, Battle Creek, Mich. Filed Jan. 25, 1923.

BATTLE CREEK SANITARIUM B·C BATTLE CREEK FOODCOMPANY

The lines in drawing indicate the color red.

Particular description of goods.—Antitoxic Foods, Paraffin Tablets, Paraffin Oil, Hydrochloric Acid with Protein and Laxatives, All Used for Medicinal Purposes.

Claims use since Dec. 22, 1922.

Ser. No. 175,068. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) THE BYERS MACHINE COMPANY, Ravenna, Ohio. Filed Jan. 25, 1923.

TRUCKRANE

Particular description of goods.—Cranes Mounted on Motor Trucks.
Claims use since Sept. 1, 1922.

Ser. No. 175,182. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) BARRE-BERGER FOOD PRODUCTS CO., Toledo, Ohio. Filed Jan. 27, 1923.



Particular description of goods.—Salads, Salad Dressings, Sweet-Pepper Relishes, Sandwich Spreads, Pickles, Canned Soups, and Table Sirups.
Claims use since Jan. 2, 1923.

Ser. No. 175,334. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) FRANK WALKER BELL, doing business as The Bell Emulsion Company, Staunton, Va. Filed Jan. 31, 1923.



The words "Petroleum Emulsion" appearing in the drawing are descriptive merely and are disclaimed.

Particular description of goods.—Petroleum Emulsion, Being a Pharmaceutical Preparation.
Claims use since 1908.

Ser. No. 175,497. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) HYMAN KARLIN, New York, N. Y. Filed Feb. 3, 1923.

SUPREME



The lining of drawing is for shading purposes only.
Particular description of goods.—Olive Oil.
Claims use since Jan. 1, 1922.

Ser. No. 175,530. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) SWENSON EVAPORATOR COMPANY, Harvey, Ill. Filed Feb. 3, 1923. Under ten-year proviso.

SWENSON

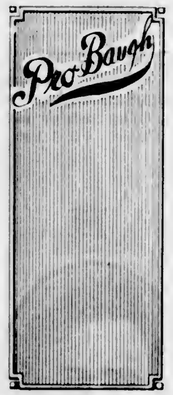
Particular description of goods.—Various Kinds of Evaporators—Namely, Single and Multiple Effect Evaporators, Atmospheric Disk Evaporators; Pulp-Mill Machinery—Namely, Evaporators, Digesters, Diffusers, Leaching Batteries, Causticizers, Black-Ash Incinerators; Machinery Used in the Manufacture of Sugar—Namely, Beet Wheels, Beet Washers, Crystallizers, Diffusion Batteries, Condensers, Carbonation Tanks, Juice Heaters, Juice Boilers, Preevaporators, Multiple-Effect Evaporators Designed to Permit Vapor Withdrawal for Heaters, Coil and Calandria Strike Pans, Pulp Presses, and Driers; Machinery Used in the Chemical Industry—Namely, Crystallizers, Leaching and Diffusion Batteries, Heat Interchangers, Coolers, Condensers.
Claims use since 1890.

Ser. No. 175,543. (CLASS 34. HEATING, LIGHTING, AND VENTILATING APPARATUS, NOT INCLUDING ELECTRICAL APPARATUS.) IVY R. CARTER, Estaca, Oreg. Filed Feb. 5, 1923.



Particular description of goods.—Artistically-Decorated Lamp Shades of Metal, Parchment, Silk, Etc.
Claims use since June, 1922.

Ser. No. 175,563. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) E. E. LIMBAUGH, doing business as The Probaugh Company, Atlanta, Ga. Filed Feb. 5, 1923.



The lining on drawing represents shading only.
Particular description of goods.—Antiseptic and Germicide.
Claims use since November, 1917.

Ser. No. 175,719. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) FLORIDA CITRUS EXCHANGE, Tampa, Fla. Filed Feb. 8, 1923.

SEALDHEART

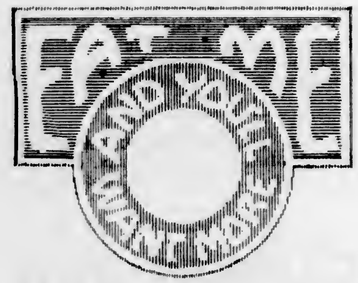
Particular description of goods.—Canned Citrous Fruits, Such as Grapefruit.
Claims use since Jan. 5, 1923.

Ser. No. 175,782. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) FISCHER BROTHERS COMPANY, Seattle, Wash. Filed Feb. 9, 1923.

MAX-I-MUM

Particular description of goods.—Canned Fruits, Canned Vegetables, Canned Berries, Canned Fish, Canned Oysters, Canned Shrimp, Minced Sea Clams, Dried Fruits, Dried Vegetables, Coffee, Tea, Olives, Spices, Tomato Catchup, Food-Flavoring Extracts, Maple Sirup, Sago, Tapioca, and Shelled Pop Corn.
Claims use since Apr. 15, 1907.

Ser. No. 175,932. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) CALVIN LEICHTMAN, doing business as Leichtman Candy Manufacturing Company, Hazleton, Pa. Filed Feb. 12, 1923.



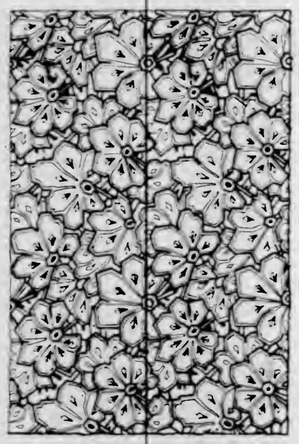
The color lines upon the drawing indicate the colors red and blue.
Particular description of goods.—Candy.
Claims use since about Jan. 1, 1920.

Ser. No. 176,020. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) ESTATE OF CHARLES J. FISK, deceased; Harvey Fisk and Lewis E. Waring, executors, Trenton Junction, N. J. Filed Feb. 14, 1923.

Wilburtha

Particular description of goods.—Live Poultry and Eggs.
Claims use since 1910.

Ser. No. 176,025. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) HOUBIGANT, INC., New York, N. Y. Filed Feb. 14, 1923.



Particular description of goods.—Perfume, Toilet Water, Face Powder, Toilet Powder, Face Creams, Lotions for the Face and Hands, Rouge, Eau De Colognes, Bath Salts, Sachet Powder, and Brilliantine.
Claims use since February, 1900.

Ser. No. 176,026. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) BUENA V. JEAN, doing business as W. F. D. Jean, Baltimore, Md. Filed Feb. 14, 1923.

SUNNYLAND

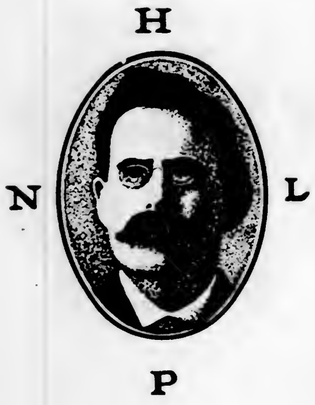
Particular description of goods.—Coffee.
Claims use since Jan. 23, 1923.

Ser. No. 176,034. (CLASS 39. CLOTHING.) PINE TREE SHIRT CO., New York, N. Y. Filed Feb. 14, 1923.

PINE TREE

Particular description of goods.—Dress and Negligee Shirts and Pyjamas.
Claims use since Aug. 1, 1922.

Ser. No. 176,083. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) NARCISSE LEMOINE, doing business as N. Lemoine Company, Framingham, Mass. Filed Feb. 15, 1923.



The individual whose portrait appears on the drawing is Narcisse Lemoine, the owner and proprietor of N. Lemoine Co.
Particular description of goods.—Medicinal Preparation for the Treatment of Piles.
Claims use since July 1, 1922.

Ser. No. 176,084. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) NARCISSE LEMOINE, doing business as N. Lemoine Company, Framingham, Mass. Filed Feb. 15, 1923.



The name of the individual whose portrait appears on the drawing is Narcisse Lemoine.
Particular description of goods.—Preparation for the Treatment of Catarrh.
Claims use since July 1, 1922.

Ser. No. 176,190. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) ELMER HOWARD JOSSELYN, Baltimore, Md. Filed Feb. 17, 1923.

BOMBS

Particular description of goods.—Candy.
Claims use since November, 1914.

Ser. No. 176,191. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) THE E. KAHN'S SONS COMPANY, Cincinnati, Ohio. Filed Feb. 17, 1923.

DIAMOND K

Particular description of goods.—Tankage.
Claims use since October, 1921.

Ser. No. 176,192. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) M. D. KING MILLING COMPANY, Pittsfield, Ill. Filed Feb. 17, 1923.

CRYSTAL GEM

Particular description of goods.—Wheat Flour.
Claims use since about 1883.

Ser. No. 176,193. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) M. D. KING MILLING COMPANY, Pittsfield, Ill. Filed Feb. 17, 1923.

Principia

Particular description of goods.—Wheat Flour.
Claims use since about 1864.

Ser. No. 176,198. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) CHARLOTTE E. MARVIN, San Francisco, Calif. Filed Feb. 17, 1923.

Marmade
Queen of Sweets

Particular description of goods.—Jellies, Jams, Preserves, Marmalades, and Pickles.
Claims use since Jan. 25, 1923.

Ser. No. 176,218. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) RIDENOUR-BAKER GROCERY COMPANY, Kansas City, Mo. Filed Feb. 17, 1923.

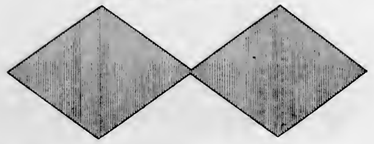
TULIP



Particular description of goods.—Coffee.
Claims use since 1897.

Ser. No. 176,219. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) SAVANNAH TRUCKERS EXCHANGE, Savannah, Ga. Filed Feb. 17, 1923.

TWIN DIAMOND



The lining on the drawing is the conventional lining for red.
Particular description of goods.—Fresh Vegetables.
Claims use since Feb. 1, 1922.

Ser. No. 176,235. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) WESTERN GROCER COMPANY, Marshalltown, Iowa. Filed Feb. 17, 1923.

Jack Sprat



Particular description of goods.—Canned Grapefruit, Canned Fruit Salad, Canned Pimientos, Canned Tunny, Canned Salmon, Canned Shrimp, Canned Fish Cakes, Chocolate, Cocoa, Canned Asparagus, Evaporated Milk, Rolled Oats, Cornstarch for Food Purposes, Corn Flakes, Cereal Breakfast Food, Pancake Flour, and Mincemeat.
Claims use since January, 1920.

Ser. No. 176,265. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) DANTE GAMBINOSSI, New York, N. Y. Filed Feb. 19, 1923.

FIAT

Particular description of goods.—Candy.
Claims use since December, 1921.

Ser. No. 176,299. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) GEORGE URBAN MILLING COMPANY, Buffalo, N. Y. Filed Feb. 19, 1923. Under ten-year proviso.

URBAN'S

Particular description of goods.—Wheat Flour.
Claims use since 1882.

Ser. No. 176,309. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) ALBECO COMPANY, San Francisco, Calif. Filed Feb. 19, 1923.

albeco PARIS 17

Applicant hereby disclaims the word "Paris" appearing in the drawing apart from the mark as shown.
Particular description of goods.—Foot Relief Powder, Massage Cream, Vanishing Cream, Superfine Talc, Shampoo Supreme, Hair Pomade, Depilatory; Astringent—Lilas Fleur Toilette; Toilet Water, Face Powders, Anti-chap Lotion, Perfumes.
Claims use since July 1, 1922.

Ser. No. 176,538. (CLASS 39. CLOTHING.) DICKES, BLOCK AND ABBEY, New York, N. Y. Filed Feb. 24, 1923.

Mary Tudor Dresses

The picture shown is fanciful. All language except the words "Mary Tudor" is disclaimed.
Particular description of goods.—Dresses, Costumes, and Gowns.
Claims use since Jan. 1, 1923.

Ser. No. 176,623. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) HAAS, BARUCH & CO., Los Angeles, Calif. Filed Feb. 26, 1923.

"IT'S WONDERFUL"

Particular description of goods.—Coffee.
Claims use since Dec. 8, 1922.

Ser. No. 176,736. (CLASS 39. CLOTHING.) FRUHAUF BROS. & CO., New York, N. Y. Filed Feb. 28, 1923.

KRINK NOT

Trade-mark consists of the words "Krink Not."
Particular description of goods.—Men's and Young Men's Overcoats and Suits in Two and Three Piece Garments.
Claims use since Feb. 22, 1922.

Ser. No. 176,744. (CLASS 39. CLOTHING.) WILLIAM A. LEIB CO. INC., New York, N. Y. Filed Feb. 28, 1923.

WALCO

Particular description of goods.—Sweaters, Dresses, and Scarfs.
Claims use since April, 1921.

Ser. No. 176,765. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) PASQUALE SALUZZI, doing business as Economic Perfume Manufacturing Co., Brooklyn, N. Y. Filed Feb. 28, 1923.



SALUZZI-SANTERBA

The portraits appearing in the drawing are fanciful and are intended to illustrate conditions of the hair before and after the use of the goods.
Particular description of goods.—Hair Tonic and Skin Lotion.
Claims use since Nov. 15, 1922.

Ser. No. 176,838. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) JOHN F. KOBYLANSKI, doing business as Five Brothers Medicine Co., Gary, Ind. Filed Mar. 2, 1923.



Particular description of goods.—Liniments Used for Rheumatism, Neuralgia, Sprains, Stiff Joints, Chilblains, and Sciatica, and Pills for Disorders of the Stomach and Liver, Dyspepsia, Etc.
Claims use since Jan. 10, 1923.

Ser. No. 176,888. (CLASS 39. CLOTHING.) ELIZABETH CITY HOSIERY CO. INC., Elizabeth City, N. C. Filed Mar. 3, 1923.

COLLIE BRAND

No claim made to the word "Brand" apart from the mark shown on the drawing.
Particular description of goods.—Hosiery.
Claims use since January, 1922.

Ser. No. 176,914. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) PHOENIX FLOUR MILL, Evansville, Ind. Filed Mar. 3, 1923.



BOUNTY

Particular description of goods.—Wheat Flour.
Claims use since Oct. 9, 1922.

Ser. No. 176,930. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) WM. WIRT WICKES & SON, New York, N. Y. Filed Mar. 3, 1923.

GILTEDGE

Particular description of goods.—Molasses.
Claims use since January, 1912.

Ser. No. 177,054. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) SPOKANE BAKERY CO., Spokane, Wash. Filed Mar. 6, 1923.

Butter Cup

Particular description of goods.—Ice Cream.
Claims use since Aug. 10, 1907.

Ser. No. 177,060. (CLASS 39. CLOTHING.) WOLLNER & SMITH, New York, N. Y. Filed Mar. 6, 1923.

TAILORED IN OUR Quality WALL ST. Shop CLOTHES

No claim made to the exclusive use of the words "Tailored in Our Quality-Shop Clothes" apart from the mark as shown in the drawing.

Particular description of goods.—Men's Overcoats and Suits In One, Two, and Three Piece Garments.

Claims use since July 22, 1922.

Ser. No. 177,148. (CLASS 39. CLOTHING.) THE TAILORED WOMAN, INC., New York, N. Y. Filed Mar. 8, 1923.

POGO

Particular description of goods.—Wearing Apparel—Namely, Dresses for Women.

Claims use since Feb. 8, 1923.

Ser. No. 177,279. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) DADE CITY CITRUS GROWERS ASSOCIATION, Dade City, Fla. Filed Mar. 12, 1923.

PASCO CHIEF



Particular description of goods.—Fresh Citrous Fruits—Namely, Oranges, Grapefruit, Kumquats, Mandarins, Satsumas, and Tangerines.

Claims use since Dec. 1, 1920.

Ser. No. 177,291. (CLASS 39. CLOTHING.) FROLASET CORSET CO., Detroit, Mich. Filed Mar. 12, 1923.

BUTTERFLY

Particular description of goods.—Corsets, Corset Waists, Brassières, Bandeaux, Girdles, Diaphragm Confiners, Belts for Personal Wear, Corset Covers, Camisoles, and Ladies' Vests.

Claims use since Jan. 15, 1922.

Ser. No. 177,297. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) DANIEL J. GUNTER, doing business as The Dan-Nax Co., Atlanta, Ga. Filed Mar. 12, 1923.

DAN-NAX

Particular description of goods.—Liver Regulator and Tonic.

Claims use since Dec. 26, 1922.

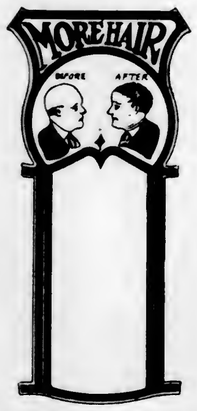
Ser. No. 177,304. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) KIDD AND COMPANY, INC., Chicago, Ill. Filed Mar. 12, 1923.



Particular description of goods.—Peanut Butter.

Claims use since Feb. 28, 1923.

Ser. No. 177,308. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) H. R. LOVELL & CO., Greenville, Pa. Filed Mar. 12, 1923.



No claim made for the words "Morehair," "Before," and "After" apart from the mark shown by the drawing. The pictorial representation of a man appearing upon the specimens is merely fanciful.

Particular description of goods.—Preparation for the Treatment of Itching and Diseased Scalps, Dandruff, and Eczema to Prevent Falling Hair.

Claims use since Nov. 1, 1922.

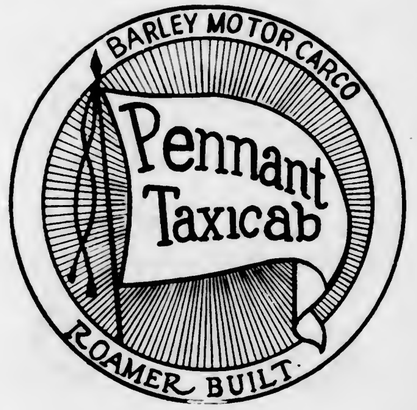
Ser. No. 177,315. (CLASS 19. VEHICLES, NOT INCLUDING ENGINES.) MUMMERT LUMBER & TIE CO., Chicago, Ill. Filed Mar. 12, 1923.

"HERCULES"

Particular description of goods.—Engine Push Poles.

Claims use since Dec. 15, 1922.

Ser. No. 177,349. (CLASS 19. VEHICLES, NOT INCLUDING ENGINES.) BARLEY MOTOR CAR COMPANY, Kalamazoo, Mich. Filed Mar. 13, 1923.



The pennant design is white, the concentric circles silver, and the background maroon in color. The words "Taxicab" and "Roamer Built" do not form a part of the registration sought apart from the mark shown in the drawing.

Particular description of goods.—Taxicabs.

Claims use since Sept. 5, 1922.

Ser. No. 177,414. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) UNION PHARMACAL COMPANY, Kansas City, Mo. Filed Mar. 13, 1923.

Felice

Particular description of goods.—Face Cream, Finishing Cream, Bleaching Cream, Cold Cream, Vanishing Cream, Almond Cream, Lemon Cream, Cocoa-Butter Cream, Menthol Cream, Witch-Hazel Cream, Massage Cream, Tooth Paste, Face Powder, Talcum Powder, Compact Powder, Styptic Powder, Sachet Powder, Toilet Powder, Face Rouge, Lip Rouge, Lip Stick, Nail Polish, Dentifrice, Toilet Waters, Face Lotion, Body Lotion, Peroxide, Hair Tonic, Hair Oil, Hair Dressing, Liquid Brilliantines, Solid Brilliantines, Shampoos, Stringents, Depilatory, Deodorizing Preparations, Facial Clay Pack, Wrinkle Paste, Perfumes, Liquid Dressing for Curling and Waving the Hair, and Extract for Handkerchiefs.

Claims use since Jan. 3, 1923.

Ser. No. 177,449. (CLASS 39. CLOTHING.) MILK & KASS, New York, N. Y. Filed Mar. 14, 1923.



No claim is made to the word "Shirt" apart from the mark as claimed.

Particular description of goods.—Men's Shirts.

Claims use since Jan. 1, 1923.

Ser. No. 177,557. (CLASS 3. BAGGAGE, HORSE EQUIPMENTS, PORTFOLIOS, AND POCKETBOOKS.) HERZ & KOBY, New York, N. Y. Filed Mar. 16, 1923.



No claim is made to the words "Childrens Bags" and to the representation of the goods apart from the mark as shown on the drawing. The lining indicates shading only.

Particular description of goods.—Children's Hand Bags.

Claims use since Feb. 1, 1923.

Ser. No. 177,600. (CLASS 5. ADHESIVES.) THE FLEXUM PRODUCTS COMPANY, Denver, Colo. Filed Mar. 17, 1923.

FLEXUM PRODUCTS

No claim made to the word "Products" other than as shown in the drawing.

Particular description of goods.—Cement Preparation Used as a Substitute for Glue or Other Adhesive.

Claims use since Mar. 5, 1923.

Ser. No. 177,624. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) THE RUBBER SERVICE LABORATORIES CO., Akron, Ohio. Filed Mar. 17, 1923.

RUBBER SERVICE A-7 LABORATORIES

TRADE MARK

The words "Trade-Mark" appearing on the drawing are hereby disclaimed, except in the combination as shown.

Particular description of goods.—Compound Produced by the Interaction of Aldehydes and Amines and Used in Curing of Rubber Articles.

Claims use since Jan. 26, 1923.

Ser. No. 177,642. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) STEPHEN F. WHITMAN & SON, INCORPORATED, Philadelphia, Pa. Filed Mar. 17, 1923.

MESSENGER BOYS

Particular description of goods.—Candies.

Claims use since July 21, 1921.

Ser. No. 177,698. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) ALBERT C. SCHMIDT, San Francisco, Calif. Filed Mar. 19, 1923.

S.S.PINK

Particular description of goods.—Female Suppositories for the Local Treatment of Catarrhal Conditions of the Vagina and the Uterine Cervix.

Claims use since Jan. 1, 1923.

Ser. No. 177,741. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) WILLIAM G. HUFFMAN, Jr., Greenville, Tex. Filed Mar. 20, 1923.

HUFFMAN'S
Cascarized Figs & Sennarized Fruits

Without waiving any common-law rights the use of the term "Huffman's Cascarized Figs & Sennarized Fruits" aside from the mark shown is disclaimed.

Particular description of goods.—Laxative.

Claims use since Aug. 15, 1922.

Ser. No. 177,831. (CLASS 39. CLOTHING.) CATAMOUNT MANUFACTURING CO., INC., Bennington, Vt. Filed Mar. 22, 1923.

CATAMOUNT

Particular description of goods.—Athletic Union Suits of Textile Fabric for Men, Boys, and Children.

Claims use since about Feb. 21, 1919.

Ser. No. 177,836. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) FELLOWS MEDICAL MANUFACTURING COMPANY, INC., New York, N. Y. Filed Mar. 22, 1923. Under ten-year proviso.

FELLOWS' COMPOUND SYRUP OF HYPOPHOSPHITES

Particular description of goods.—Preparation of Hypophosphites.

Claims use since about 1883.

Ser. No. 177,863. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) W. P. PEYTON FRUIT CO., Los Angeles, Calif. Filed Mar. 22, 1923.

VALLEY QUEEN

Particular description of goods.—Fresh Citrous Fruit and Fresh Grapefruit.

Claims use since Dec. 1, 1922.

Ser. No. 177,898. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) THE DAIRY LABORATORIES, Philadelphia, Pa. Filed Mar. 23, 1923.

Da-Klor-omin

Particular description of goods.—Antiseptics and Deodorizers.

Claims use since Feb. 21, 1923.

Ser. No. 177,930. (CLASS 39. CLOTHING.) TRYON MILLS OF VERMONT, Bennington, Vt. Filed Mar. 23, 1923.

NAINMESH

No claim is made to the word "Mesh" apart from the mark shown in the drawing.

Particular description of goods.—Undershirts, Underdrawers, and Union Suits Made of Knitted Fabric for Men.

Claims use since July 19, 1922.

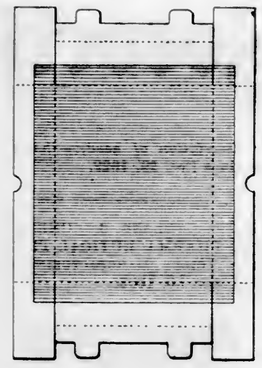
Ser. No. 177,971. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) HAWLEY & HOOPS, New York, N. Y. Filed Mar. 24, 1923.

EMERALD GEMS

Particular description of goods.—Candy.

Claims use since Jan. 17, 1923.

Ser. No. 177,975. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) B. L. JOHNSON & CO., INC., Knoxville, Tenn. Filed Mar. 24, 1923.



No claim made to the pictorial representation of the container of the goods. The mark consists of a centrally-arranged rectangular blue field on a white background.

Particular description of goods.—Candy.

Claims use since Jan. 1, 1921.

Ser. No. 178,043. (CLASS 37. PAPER AND STATIONERY.) INTERLAKE TISSUE MILLS CO. LTD., Merriton, Ontario, Canada. Mar. 26, 1923.

Interlake Tissue Mills Co. Limited MERRITTON CANADA

MERRITTON LAKE ONTARIO LAKE ERIE NIAGARA FALLS

Applicant does not claim the exclusive use of "Merriton, Canada, Merriton, Lake Erie, Lake Ontario, Niagara Falls" or the illustration of the bodies of water with the town thereon apart from the mark shown.

Particular description of goods.—Toilet Paper.

Claims use since 1914.

Ser. No. 178,221. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) CALIFORNIA CANNERIES CO., San Francisco, Calif. Filed Mar. 29, 1923.

WINMORE

Particular description of goods.—Canned Fruits and Canned Vegetables.

Claims use since 1919.

Ser. No. 178,270. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) THE OHIO VALLEY COFFEE CO., Portsmouth, Ohio. Filed Mar. 29, 1923.

Sorority

Particular description of goods.—Coffee.
Claims use since Dec. 29, 1922.

Ser. No. 178,330. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) THE CANNON TOILET MANUFACTURING CO., St. Paul, Minn. Filed Mar. 30, 1923.



The lining represents mere shading, no claim being made to the words "Trade-Mark."
Particular description of goods.—Face and Hand Lotions, Face Creams, and Hair Pomades.
Claims use since Jun. 21, 1921.

Ser. No. 178,353. (CLASS 26. MEASURING AND SCIENTIFIC APPLIANCES.) NATIONAL SCREEN SERVICE, INC., New York, N. Y. Filed Mar. 30, 1923.

National Screen Service Inc.

Particular description of goods.—Motion-Picture Films.
Claims use since Oct. 15, 1919.

Ser. No. 178,422. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) AKTIENGESELLSCHAFT FÜR TIEFBOHRTECHNIK UND MASCHINENBAU VORMALS TRAUZL & CO., Vienna, Austria. Filed Apr. 2, 1923.

HINDL

Particular description of goods.—Diesel Motors and Internal-Combustion Engines.
Claims use since Mar. 5, 1918.

Ser. No. 178,561. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) ANDREW J. LODDER, doing business as Park Chemical Company, Cincinnati, Ohio. Filed Apr. 4, 1923.

BLU-EE

Particular description of goods.—Water-Soluble Powder for Application to Windows for Eliminating Sun Glare.
Claims use since June, 1920.

Ser. No. 178,675. (CLASS 39. CLOTHING.) ROSENBERG BROS., New York, N. Y. Filed Apr. 6, 1923.

GUARANTEED ROFCO FURS

No claim made to the exclusive use of the words "Guaranteed" and "Furs" apart from the mark as shown in the drawing.
Particular description of goods.—Ladies' Furs—viz, Capes, Coats, Wraps, and Neck Pieces.
Claims use since Mar. 1, 1923.

Ser. No. 178,698. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) FIVE-IN-ONE MANUFACTURING CO., Dallas, Tex. Filed Apr. 6, 1923.

5 IN ONE

Particular description of goods.—Hair Tonic and Shampoo.
Claims use since about 15th of November, 1911.

Ser. No. 178,701. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) AMERICAN WITCH HAZEL SUPPLY CO., New York, N. Y. Filed Apr. 7, 1923.

DAPHO

Particular description of goods.—Perfume Extract, Talcum Powder, Cold Cream, Massage Cream, Hair Dressing, Face Lotion, Coconut Oil, Shampoo, Brilliantine, Rolling Cream, Scalp and Hair Tonic, and Toilet Water.
Claims use since Aug. 1, 1921.

Ser. No. 178,706. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) BOWKER CHEMICAL COMPANY, New York, N. Y. Filed Apr. 7, 1923.

BOWKER CHEMICAL COMPANY Inc. SOF 49 CHAMBERS ST, NEW YORK CITY

No claim is made to the words "49 Chambers St., New York City" apart from the other features of the mark as shown in the drawing.
Particular description of goods.—Water Softener.
Claims use since Sept. 1, 1922.

Ser. No. 178,708. (CLASS 39. CLOTHING.) JAMES W. BRINE COMPANY, Boston, doing business as Kingston Knitting Company, Cambridge, Mass. Filed Apr. 7, 1923. Under ten-year proviso.

KINGSTON

The outline of the letters of trade-mark as shown in the drawings is for shading only and does not represent color.
Particular description of goods.—Sweaters, Rib Sport Coats for Men and Women; Bathing Suits for Men, Women, and Children; Jerseys for Men and Boys; Sleeveless Shirts, Tights, and Stockings for Athletic Sports and Theatrical Purposes.
Claims use since Jan. 1, 1887.

Ser. No. 178,766. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) MORANA, INCORPORATED, New York, N. Y. Filed Apr. 7, 1923.

Vanya

Particular description of goods.—Artificial-Vanilla Materials Suitable for the Manufacture of Flavoring Extracts.
Claims use since Mar. 29, 1923.

Ser. No. 178,784. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) VANDEWART COMPANY INCORPORATED, New York, N. Y. Filed Apr. 7, 1923.

VANDELLA

Particular description of goods.—Knitted Piece Goods—Namely, a Combination of Knitted Wool and Fiber Silk.
Claims use since January, 1923.

Ser. No. 178,846. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) JOHN S. HUFF, doing business as The Kleans-It Manufacturing Co., New Brighton, Pa. Filed Apr. 9, 1923.

KLEANS-IT KEEPS IT WHITE

No claim made for the words "Keeps It White" apart from the mark shown by the drawing.
Particular description of goods.—Chemical Preparation for Cleaning Closet Bowls.
Claims use since June 11, 1909.

Ser. No. 178,847. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) THE IMPORT DRUG SPECIALTIES CO., Cleveland, Ohio. Filed Apr. 9, 1923.

SPICE-E-MINTS

No claim made to the word "Mints" apart from the trade-mark as shown.
Particular description of goods.—Candy.
Claims use since July 1, 1918.

Ser. No. 178,848. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) THE IMPORT DRUG SPECIALTIES CO., Cleveland, Ohio. Filed Apr. 9, 1923.

VAPORMENT

Particular description of goods.—Ointment for Chest Colds, Head Colds, Influenza, Pneumonia, Croup, Coughs, Bronchitis, Sore Throat, Tonsillitis, Whooping Cough, and Asthma.
Claims use since July 1, 1918.

Ser. No. 178,853. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) THE LIQUID CARBONIC COMPANY, Chicago, Ill. Filed Apr. 9, 1923.

ICEOID

Trade-mark consists of the word "Iceoid."
Particular description of goods.—Compound of Vegetable Gums and Sugars Designed for Use as an Ingredient for Water Ices and Sherbets to Cause the Ingredients to Combine Well and to Improve the Body of the Product.
Claims use since Mar. 1, 1923.

Ser. No. 178,864. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) FRANK B. ODOR, Coshocton, Ohio. Filed Apr. 9, 1923.

FBO

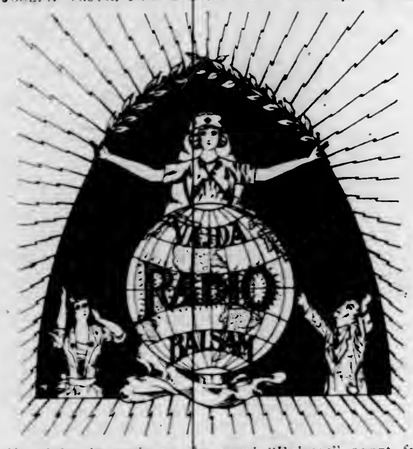
Particular description of goods.—Medicine for Treatment of Tuberculosis of the Bone and Like Diseases.
Claims use since Mar. 20, 1923.

Ser. No. 178,875. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) EDWARD A. SECOY, doing business as Oak Grove General Sanitarium, Williamsport, Ohio. Filed Apr. 9, 1923.

FLUGETZ

Particular description of goods.—Medicine in Tablet or Troches Form for Use in the Treatment of Influenza and Similar Ailments.
Claims use since Mar. 28, 1923.

Ser. No. 178,886. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) JOSEPH VAJDA, New York, N. Y. Filed Apr. 9, 1923.



No claim is made to the word "Balsam" apart from the mark shown on the drawing.
Particular description of goods.—Medicinal Liquid for Lungs and Kidney and for Healing Wounds and Sores.
Claims use since Mar. 1, 1923.

Ser. No. 178,914. (CLASS 9. EXPLOSIVES, FIREARMS, EQUIPMENTS, AND PROJECTILES.) THE DIAMOND MATCH COMPANY, Chicago, Ill. Filed Apr. 10, 1923.



Particular description of goods.—Matches.
Claims use since April, 1913.

Ser. No. 178,934. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) SALVADERM CO., New York, N. Y. Filed Apr. 10, 1923.

SALVADERM

Trade-mark consists of the word "Salvaderm."
Particular description of goods.—Skin Lotion.
Claims use since June, 1916.

Ser. No. 178,961. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) DE CAMERON, INC., New York, N. Y. Filed Apr. 11, 1923.

LIGEIA

Particular description of goods.—Perfumes.
Claims use since Oct. 1, 1921.

Ser. No. 179,005. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) KEYSTONE LUBRICATING COMPANY, Philadelphia, Pa. Filed Apr. 11, 1923. Under ten-year proviso.

KEYSTONE

Particular description of goods.—Grease Cups, Oil Cups, and Lubricators for the Application of Lubricants.
Claims use since 1890.

Ser. No. 179,011. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) JOHN OROSZ, Adena, Ohio. Filed Apr. 11, 1923.



The portrait appearing in the drawing is that of applicant.
Particular description of goods.—Blood-Cleaning Liquid.
Claims use since Mar. 1, 1923.

Ser. No. 179,013. (CLASS 50. MERCHANDISE NOT OTHERWISE CLASSIFIED.) ANNA D. ROSTOW, doing business as The Anita Company, Newark, N. J. Filed Apr. 11, 1923.

UMUSTMARK

Particular description of goods.—Markers for Towels, Etc.
Claims use since Mar. 1, 1923.

Ser. No. 179,020. (CLASS 39. CLOTHING.) VAN RAALTE COMPANY, INC., New York, N. Y. Filed Apr. 11, 1923.

SNUG-NEE

Particular description of goods.—Women's Underwear of Knitted and Textile Fabric.
Claims use since Apr. 6, 1923.

Ser. No. 179,025. (CLASS 26. MEASURING AND SCIENTIFIC APPLIANCES.) C. B. C. FILM SALES CORPORATION, New York, N. Y. Filed Apr. 12, 1923.

COLUMBIA
PICTURES
"The GEM of the SCREEN"

No claim made to the words "Columbia" and "Pictures" appearing on drawing except as used in conjunction with the other features of the mark.
Particular description of goods.—Motion Pictures.
Claims use since Mar. 27, 1923.

Ser. No. 179,048. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) E. F. LILLY, doing business as E. F. Lilly Company, Morganton, N. C. Filed Apr. 12, 1923.



The portrait appearing on the drawing and labels is a portrait of applicant.
Particular description of goods.—Insect-Destroying Compound.
Claims use since July, 1922.

Ser. No. 179,063. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) SHERWOOD PETROLEUM COMPANY, INC., Brooklyn, N. Y. Filed Apr. 12, 1923.

SHEROLINE

Particular description of goods.—Medicinal Petroleum Products—Namely, Synthetic Petrolatum and Petroleum Jelly.
Claims use since Dec. 20, 1922.

Ser. No. 179,087. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) JACOB S. BERNHEIMER & BRO., doing business as "Mulhouse Mills," New York, N. Y. Filed Apr. 13, 1923.

SATTENEL

Particular description of goods.—Piece Goods—Namely, Imitation Sateens.
Claims use since Oct. 23, 1922.

Ser. No. 179,097. (CLASS 26. MEASURING AND SCIENTIFIC APPLIANCES.) THE HALOID COMPANY, Rochester, N. Y. Filed Apr. 13, 1923.

SEPIAGRAVURA

No claim is made to the word "Sepia" apart from the mark as used.
Particular description of goods.—Sensitized Photographic Paper.
Claims use since Feb. 26, 1923.

Ser. No. 179,123. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) ROMAN H. WOJCIECHOWSKI, doing business as Valona Manufacturing Co., Brooklyn, N. Y. Filed Apr. 13, 1923.

VALONA

Particular description of goods.—Liquids and Ointments for Scalp and Skin.
Claims use since Apr. 2, 1923.

Ser. No. 179,126. (CLASS 39. CLOTHING.) AGRA SHIRT CO., New York, N. Y. Filed Apr. 14, 1923.

AGRA

Trade-mark consists of the word "Agra."
Particular description of goods.—Dress, Negligee, and Work Shirts.
Claims use since Feb. 21, 1923.

Ser. No. 179,133. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) CHEMICAL ENTERPRISES INCORPORATED, New York, N. Y. Filed Apr. 14, 1923.

SANITARY DID

No claim made to the word "Sanitary" apart from the mark shown in the drawing.
Particular description of goods.—Disinfectants, Insecticides, and Deodorants.
Claims use since about Nov. 1, 1922.

Ser. No. 179,143. (CLASS 50. MERCHANDISE NOT OTHERWISE CLASSIFIED.) THE FROST SUPERIOR FENCE CO., Warren, Ohio. Filed Apr. 14, 1923.

VEGETABLE CRUTCHES

No claim made to the words "Vegetable Crutches" apart from the mark as shown.
Particular description of goods.—Vegetable Crutch.
Claims use since June 1, 1922.

Ser. No. 179,193. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) FOAMITE-CHILDS CORPORATION, Wilmington, Del., and Utica, N. Y. Filed Apr. 16, 1923.

FOAMITE

Particular description of goods.—Hand Operated Portable and Stationary Fire-Extinguishing Apparatus.
Claims use since on or about Sept. 1, 1914.

Ser. No. 179,208. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) KOHN AND SILVERBERG, Chicago, Ill. Filed Apr. 16, 1923.

CHIN-CHIN

Particular description of goods.—Dyes and Dye Sticks.
Claims use since October, 1921.

Ser. No. 179,227. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) IRVING SELKOW, doing business as Washington Barber Supply Co., New York, N. Y. Filed Apr. 16, 1923.



The words "Hair Tonic, Oris-Root" are disclaimed apart from the trade-mark as shown in the drawing.
Particular description of goods.—Hair Tonic.
Claims use since Jan. 15, 1923.

Ser. No. 179,258. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) JOSEPH T. BALTAR, New Orleans, La. Filed Apr. 17, 1923.

PHEN-O-QUIN

Particular description of goods.—Tablets for the Treatment of Colds, La Grippe, and Headache.
Claims use since Sept. 1, 1902.

Ser. No. 179,280. (CLASS 39. CLOTHING.) MODEL BRASSIERE CO., INC., New York, N. Y. Filed Apr. 17, 1923.



Particular description of goods.—Brassières and Garter Brassières.
Claims use since Dec. 15, 1922.

Ser. No. 179,290. (CLASS 26. MEASURING AND SCIENTIFIC APPLIANCES.) THE WIRELESS SPITZESCOPE CO., San Francisco, Calif. Filed Apr. 17, 1923.

MARIMETER

Particular description of goods.—Apparatus for Determining by Echo or Return Vibration the Distance Between Two Objects.
Claims use since July 28, 1919.

Ser. No. 179,298. (CLASS 39. CLOTHING.) FASHION HAT COMPANY, New York, N. Y. Filed Apr. 18, 1923.

Charlotte Haibe

Trade-mark consists of the name "Charlotte Haibe."
Particular description of goods.—Ladies', Misses', and Children's Hats and Caps.
Claims use since Mar. 14, 1923.

Ser. No. 179,407. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) JOSHUA HOLLAND, doing business as Holland Pharmaceutical Company, Chicago, Ill. Filed Apr. 20, 1923.

HOLLAND'S SOR THRO

Particular description of goods.—Sore-Throat Remedy.
Claims use since Feb. 1, 1922.

Ser. No. 179,420. (CLASS 39. CLOTHING.) NEW YORK MACKINTOSH CLOTHING COMPANY, New York, N. Y. Filed Apr. 20, 1923.

DRI-LICK

Particular description of goods.—Rainproof Garments, Said Garments Being Loose Sleeveless Garments to be Worn Over the Shoulders and Closed Around the Neck.
Claims use since Feb. 1, 1923.

Ser. No. 179,433. (CLASS 26. MEASURING AND SCIENTIFIC APPLIANCES.) THE STANLEY WORKS, New Britain, Conn. Filed Apr. 20, 1923.

DEFIANCE

Particular description of goods.—Rules, Yardsticks, Bevels, Wantage Rods, Gauging Rods, Trammel Points, Plumb Bobs, Levels and Parts Thereof, Plumbs, Pitch Adjusters, Leveling Stands, Squares, Dividers, Bevels and Double Bevels; Odd Jobs, Being Combination of Levels, Plumbs, and Other Measuring Devices; Gauges for Carpenters and Woodworkers, Circular Face Plates for Wood Gauges, Carpenters' Markers for Drawing Lines, Three-Angle-Rule Tools.
Claims use since Mar. 15, 1923.

Ser. No. 179,435. (CLASS 26. MEASURING AND SCIENTIFIC APPLIANCES.) THE STANLEY WORKS, New Britain, Conn. Filed Apr. 20, 1923.

VICTOR

Particular description of goods.—Rules, Yardsticks, Bevels, Wantage Rods, Gauging Rods, Trammel Points, Plumb Bobs, Levels and Parts Thereof, Plumbs, Pitch Adjusters, Leveling Stands, Squares, Dividers, Bevels and Double Bevels; Odd Jobs, Being Combination of Bevels, Plumbs, and Other Measuring Devices; Gauges for Carpenters and Woodworkers, Circular Face Plates for Wood Gauges, Carpenters' Markers for Drawing Lines, Three-Angle-Rule Tools.
Claims use since Mar. 15, 1923.

Ser. No. 179,470. (CLASS 39. CLOTHING.) HOOD RUBBER COMPANY, Watertown, Mass. Filed Apr. 21, 1923.

KORD-U-ROY

Particular description of goods.—Rubber Boots and Shoes, Rubber Overshoes, and Rubber-Soled Canvas Shoes.
Claims use since Mar. 20, 1923.

Ser. No. 179,471. (CLASS 39. CLOTHING.) INTERNATIONAL SHOE COMPANY, St. Louis, Mo. Filed Apr. 21, 1923.

STARVALUE

Particular description of goods.—Leather Shoes for Men, Women, and Children.
Claims use since February, 1914.

Ser. No. 179,500. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) WAPLES PLATTER GROCER CO., Fort Worth, Tex. Filed Apr. 21, 1923.

CAROMA

Particular description of goods.—Coffee.
Claims use since October, 1922.

Ser. No. 179,521. (CLASS 42. KNITTED, NETTED, AND TENTILE FABRICS.) MARSHALL FIELD & COMPANY, Chicago, Ill. Filed Apr. 23, 1923.

COLONY

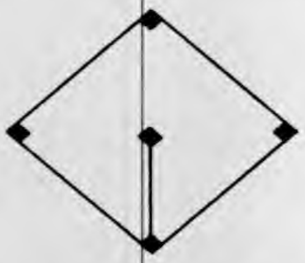
Particular description of goods.—Cotton Piece Goods Used for Hangings and for Furniture Coverings.
Claims use since 1912.

Ser. No. 179,531. (CLASS 39. CLOTHING.) F. V. GUTMAN CORP., New York, N. Y. Filed Apr. 23, 1923.

FLEXONIT

Particular description of goods.—Hosiery.
Claims use since Oct. 11, 1922.

Ser. No. 179,563. (CLASS 39. CLOTHING.) LEVI STRAUSS & CO., San Francisco, Calif. Filed Apr. 23, 1923.



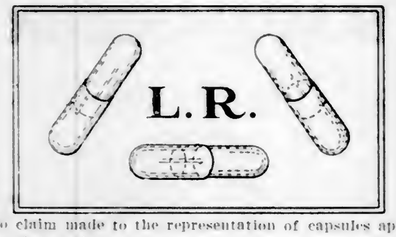
Particular description of goods.—Dress, Negligee, and Work Shirts, Blouses, Coats, Vests, Pants, Jackets, Jumpers; Overalls for Men, Youths, and Boys; and Play Suits.
Claims use since May 10, 1920.

Ser. No. 179,583. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) THE BRADFORD DYERS' ASSOCIATION, LIMITED, Bradford, England. Filed Apr. 24, 1923.



No claim is made to the word "England" apart from the mark shown.
Particular description of goods.—Dyed Cotton Piece Goods and Piece Goods of Silk, Wool, Artificial Silk, or Combinations Thereof.
Claims use since May 8, 1908.

Ser. No. 179,604. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) KEETLE AND KEETLE, Ashland, Nebr. Filed Apr. 24, 1923.



No claim made to the representation of capsules apart from the mark.
Particular description of goods.—Preparation for the Treatment of Fistula.
Claims use since Jan. 23, 1923.

Ser. No. 179,605. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) KOOLS MANUFACTURING COMPANY, Appleton, Wis. Filed Apr. 24, 1923.

MONARCH

Particular description of goods.—Vegetable-Paring Machines.
Claims use since July, 1921.

Ser. No. 179,627. (CLASS 39. CLOTHING.) CHARLES E. SHEDAKER & SONS, Philadelphia, Pa. Filed Apr. 24, 1923.



Particular description of goods.—Men's and Women's Woven Textile Athletic Underwear and Women's Bloomers.
Claims use since Nov. 1, 1922.

Ser. No. 179,648. (CLASS 39. CLOTHING.) BERENDSEN SILK KNITTING CO., Bangor, Pa. Filed Apr. 25, 1923.



Particular description of goods.—Full-Fashioned and Novelty Hosiery.
Claims use since January, 1920.

Ser. No. 179,675. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) PAUL OUILLETTE, doing business as Fort Kent Drug Company, Fort Kent, Me. Filed Apr. 25, 1923.



J. T. Lambert

The mark consists of the facsimile photograph and signature of Rev. J. T. Lambert.
Particular description of goods.—Pills for Use as a Blood Purifier and System Tonic.
Claims use since 1917.

Ser. No. 179,694. (CLASS 39. CLOTHING.) NATHAN WIENER, New York, N. Y. Filed Apr. 25, 1923.

SUPPLEFORM

Trade-mark consists of the word "Suppleform."
Particular description of goods.—Underwear of Textile Material in One, Two, and Three Piece Garments; Brassières, Bloomers, and Petticoats and Outerwear in One, Two, and Three Piece Garments; Shirt Waists, Dresses, and Costumes; Leather, Canvas, or Fabric Shoes; Bathing Suits in One, Two, and Three Piece Garments Manufactured from Textiles or Knitted Fabrics; Hosiery of Silk, Cotton, Lisle, or Wool or Mixtures of the Same; and Sweaters, and Leather and Fabric Gloves.
Claims use since Apr. 19, 1923.

Ser. No. 179,785. (CLASS 39. CLOTHING.) H. L. DISTILLATOR & SON, New York, N. Y. Filed Apr. 27, 1923.



Particular description of goods.—Ladies' Hats.
Claims use since Mar. 1, 1922.

Ser. No. 179,892. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) TIMING GEARS CORPORATION, Chicago, Ill. Filed Apr. 28, 1923.



The words "Timing Gears" are disclaimed apart from the mark as shown from the drawing.
Particular description of goods.—Gears.
Claims use since Aug. 15, 1922.

Ser. No. 179,903. (CLASS 39. CLOTHING.) THE WARNER BROTHERS COMPANY, Bridgeport, Conn. Filed Apr. 28, 1923.

NULONG

Particular description of goods.—Bandeaux and Brassières.
Claims use since Apr. 17, 1923.

Ser. No. 179,945. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) MARVELETTE COMPANY, Defiance, Ohio. Filed Apr. 30, 1923.

MARVELETTE

Particular description of goods.—Hair Tonic.
Claims use since Jan. 18, 1923.

Ser. No. 179,993. (CLASS 19. VEHICLES, NOT INCLUDING ENGINES.) DIAMOND CAR SALES CORPORATION, New York, N. Y. Filed May 1, 1923.

GEM

Particular description of goods.—Automobile Bodies.
Claims use since Mar. 25, 1923.

Ser. No. 179,997. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) THE EVER READY CHOCOLATE CO., Rochester, N. Y. Filed May 1, 1923.

FLOWER CITY

Particular description of goods.—Prepared Chocolate for Food and Beverage Purposes.
Claims use since Apr. 7, 1909.

Ser. No. 180,002. (CLASS 37. PAPER AND STATIONERY.) ROBERT FLETCHER & SON LIMITED, Stonecliough, near Manchester, England. Filed May 1, 1923.



Applicant disclaims any right to the exclusive use of the words "Cigarette Paper" and "Paper Label."
Particular description of goods.—Uncut Cigarette Paper.
Claims use since on or about Mar. 25, 1916.

Ser. No. 180,017. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) LE BENART IMPORT COMPANY, INC., New York, N. Y. Filed May 1, 1923.

Rue De La Paix

Particular description of goods.—Perfumes.
Claims use since Mar. 15, 1921.

Ser. No. 180,027. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) PARKER PRODUCTS, INC., Boston, Mass. Filed May 1, 1923.

MIRROHONE

Particular description of goods.—Holders for Razor Blades During Sharpening.
Claims use since about Mar. 15, 1923.

Ser. No. 180,031. (CLASS 39. CLOTHING.) SIEGFRIED SCHANZER, New York, N. Y. Filed May 1, 1923.

Es-Es Maid

Particular description of goods.—Knitted and Woven Caps.
Claims use since July 1, 1921.

Ser. No. 180,076. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) MERCK & CO., New York, N. Y. Filed May 2, 1923.

PERIODYL

Trade-mark "Periodyl."
Particular description of goods.—Preparation used in the Treatment of Goiter and as a Prophylactic.
Claims use since Apr. 26, 1923.

Ser. No. 180,077. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) MOORE BROTHERS, Chicago, Ill. Filed May 2, 1923.

THE MOORE Speedcrane

Particular description of goods.—Portable Self-Propelled Cranes or Derricks.
Claims use since May 1, 1922.

Ser. No. 180,091. (CLASS 13. HARDWARE AND PLUMBING AND STEAM-FITTING SUPPLIES.) VINCENT WHITNEY COMPANY, San Francisco, Calif. Filed May 2, 1923.

WHITCO

Particular description of goods.—Casement-Window Supports.
Claims use since Nov. 1, 1922.

Ser. No. 180,104. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) COTY, INC., Wilmington, Del., and New York, N. Y. Filed May 3, 1923.



Particular description of goods.—Perfumes, Toilet Water, Face Powder, Compact Powder, Sachet Powder, Talcum Powder, Brilliantine, Eau de Cologne, Hair Lotion, and Lip Stick.
Claims use since May, 1916.

Ser. No. 180,156. (CLASS 50. MERCHANDISE NOT OTHERWISE CLASSIFIED.) VULCAN PROOFING COMPANY, Brooklyn, N. Y. Filed May 3, 1923.



No claim made to the words "Rubber Products Made in Brooklyn, N. Y. by" apart from the mark shown in the drawing.
Particular description of goods.—Offset Blankets, Rubber Sheetings, Sheet Rubber, Rubberized Piano-Player Cloths and Rubberized Auto Top Fabrics, and Rubberized Fabric of Any Description.
Claims use since Mar. 10, 1923.

Ser. No. 180,194. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) LEWIS SCHUMAN, doing business as Kisco Pharmacal Co., Mount Kisco, N. Y. Filed May 4, 1923.

ASTHMASED

Particular description of goods.—Preparation for Asthmatic Paroxysms, Hay Asthma, or Rose Cold, and Bronchitis.
Claims use since Jan. 1, 1923.

Ser. No. 180,209. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) R. E. COTTER CO., San Francisco, Calif. Filed May 5, 1923.

BLUE BAY

Particular description of goods.—Canned Fish, Fruits, and Vegetables.
Claims use since May, 1918.

Ser. No. 180,215. (CLASS 39. CLOTHING.) THE HAUSER GARRISON DRY GOODS CO., Wichita, Kans. Filed May 5, 1923.

HAPPY

Particular description of goods.—Overalls, Work Shirts, and Combination Work Suits.
Claims use since Mar. 1, 1923.

Ser. No. 180,257. (CLASS 39. CLOTHING.) ZENO COMPANY, INC., New York, N. Y. Filed May 5, 1923.

Wind-jammer

Particular description of goods.—Combination Outer Suits, Knickerbockers, Coats, and Caps for Children.
Claims use since Apr. 15, 1923.

Ser. No. 180,305. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) SOCIÉTÉ ANONYME DES ELEVATEURS DE LIQUIDES "CHAINE-HELICE" BESSONNET-FAVRE, Chatellerault, France. Filed May 7, 1923.

SPIROGAL

Particular description of goods.—Conveyor Chains for Liquids.
Claims use since Jan. 13, 1923.

Ser. No. 180,327. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) CHEMISCHE FABRIK GRÜNAU LANDSHOFF & MEYER, AKTIENGESELLSCHAFT, Berlin and Grunau, near Berlin, Germany. Filed May 8, 1923.

Egalisal

Particular description of goods.—Chemical Products Used in Dyeing Textile-Fiber Yarns and Textile Fabrics.
Claims use since January, 1918.

Ser. No. 180,334. (CLASS 39. CLOTHING.) FRANK & COMPANY, Savannah, Ga. Filed May 8, 1923.

FRANTEX MILLS

Particular description of goods.—Men's, Women's, and Children's Knitted Underwear, Sweaters, and Hosiery: Caps, Scarfs, and Coats Made of Knit Fabrics.
Claims use since August, 1922.

Ser. No. 180,339. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) JAMES G. MILLS, doing business as Saltersod Company, Electra, Tex. Filed May 8, 1923.

SALTERSOD

Particular description of goods.—Preparation for the Treatment of Influenza.
Claims use since Apr. 17, 1923.

Ser. No. 180,340. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) MOTOSACOCHE SOCIÉTÉ ANONYME, Geneva, Switzerland. Filed May 8, 1923.

MAG

Particular description of goods.—Internal-Combustion Motors and Internal-Combustion Motors for Motor Cycles, Runabouts, and Other Vehicles.
Claims use since December, 1912.

Ser. No. 180,350. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) WOOD BROTHERS THRESHER COMPANY, Des Moines, Iowa. Filed May 8, 1923.



Particular description of goods.—Thrashing Machines.
Claims use since July 1, 1917.

Ser. No. 180,378. (CLASS 39. CLOTHING.) JENNY LEE FROCKS INC., Minneapolis, Minn. Filed May 9, 1923.



Particular description of goods.—Dresses, Gowns, Suits, Wraps, and Coats.
Claims use since September, 1918.

Ser. No. 180,393. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) THE SELIG COMPANY, Atlanta, Ga. Filed May 9, 1923.

EUCHAZONE

Particular description of goods.—Deodorizing Fluid.
Claims use since November, 1922.

Ser. No. 180,394. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) THE SELIG COMPANY, Atlanta, Ga. Filed May 9, 1923.

PIRATOL

Particular description of goods.—Disinfectant.
Claims use since November, 1922.

Ser. No. 180,395. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) THE SELIG COMPANY, Atlanta, Ga. Filed May 9, 1923.

STEROLIN

Particular description of goods.—Disinfectant.
Claims use since 1918.

Ser. No. 180,396. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) THE SELIG COMPANY, Atlanta, Ga. Filed May 9, 1923.

SEDISCO

Particular description of goods.—Disinfectant.
Claims use since November, 1922.

Ser. No. 180,416. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) WILLIAM J. BURNS, Brooklyn, N. Y. Filed May 10, 1923.

BARKELENE

Particular description of goods.—Hair Tonic.
Claims use since spring of 1922.

Ser. No. 180,418. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) THE CHEMICAL ENGINEERING CO. (MANCHESTER) LTD., Manchester, England. Filed May 10, 1923.

KEK

Particular description of goods.—Grinding and Crushing Machinery.
Claims use since Apr. 30, 1914.

Ser. No. 180,476. (CLASS 19. VEHICLES, NOT INCLUDING ENGINES.) I. C. REFRIGERATION CO., New York, N. Y. Filed May 11, 1923.

I. C.

Particular description of goods.—Automobile Trucks, Automobile Refrigeration Trucks, Refrigeration Railroad Cars.
Claims use since Dec. 28, 1922.

Ser. No. 180,485. (CLASS 39. CLOTHING.) J. A. MIGEL, INC., North Bergen, N. J., and New York, N. Y. Filed May 11, 1923.

FAIR-O

Particular description of goods.—Dresses, Skirts, Wraps, Blouses.
Claims use since Feb. 15, 1923.

Ser. No. 180,531. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) EL MONTE CANNING CO., El Monte, Calif. Filed May 12, 1923.

ELLACO

Particular description of goods.—Canned Fruits and Vegetables.
Claims use since Jan. 15, 1922.

Ser. No. 180,602. (CLASS 16. PAINTS AND PAINTERS' MATERIALS.) NEWTON S. HILLYARD, doing business as Hillyard Chemical Company, St. Joseph, Mo. Filed May 14, 1923.

TRACK LESS

Particular description of goods.—Floor Dressing.
Claims use since Apr. 15, 1919.

Ser. No. 180,627. (CLASS 16. PAINTS AND PAINTERS' MATERIALS.) SMITH OIL & REFINING COMPANY, Rockford, Ill. Filed May 14, 1923.

Oil-O-wax

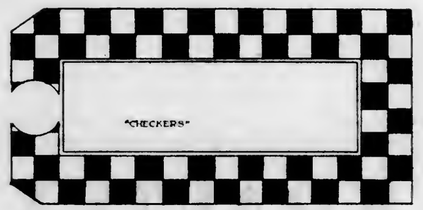
Trade-mark consists of the hyphenated word "Oil-O-Wax," no claim being made to the words "Oil" and "Wax" apart from the mark shown.
Particular description of goods.—Cleaner and Polish for Automobiles, Furniture, Floors, Cork Carpets, and Linoleums.
Claims use since January, 1916.

Ser. No. 180,646. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) AL-LON MANUFACTURING COMPANY, INC., Baltimore, Md. Filed May 15, 1923.

AL-LON

Particular description of goods.—Ironing-Board Pads, Ironing-Board Covers, and Washable Mattress Covers, All of Said Products Being Made of Textile Fabrics.
Claims use since August, 1913.

Ser. No. 180,670. (CLASS 35. BELTING, HOSE, MACHINERY PACKING, AND NONMETALLIC TIRES.) ORIGINAL TIRE CO., Cincinnati, Ohio. Filed May 15, 1923.



Particular description of goods.—Tires, Inner Tubes, Linings, Boots and Tire Patches Composed of Rubber, Fabric, and Rubber and Fabric.
Claims use since Apr. 20, 1923.

Ser. No. 180,722. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) WILLIAM H. PETERS, doing business as The Red-Ot Company, Providence, R. I. Filed May 16, 1923.

RED-OT

Particular description of goods.—Medicinal Preparation in Semisolid Form—Namely, a Liniment or Poultice for External Application for the Relief of All Kinds of Pains and for the Treatment of Colds, Coughs, Bronchitis, Pleurisy, Pains in the Muscles, Sciatica, Lumbago, Joint Pains, Neuritis, Neuralgia, and Sprains of All Kinds.
Claims use since Mar. 7, 1923.

Ser. No. 180,725. (CLASS 37. PAPER AND STATIONERY.) THE L. D. SCHROT COMPANY, Akron, Ohio. Filed May 16, 1923.

NO-MAR

Particular description of goods.—Inkwell Bases, Sponge Cups, Desk Pads, Pen Trays, Pencil Trays, Paper-Clip Trays, Calendar Stands, Memo Pads, Card Trays, and Letter Trays.
Claims use since Feb. 15, 1923.

Ser. No. 180,744. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) BETHEL SPRINGS WATER CO., Boothwyn, Pa. Filed May 17, 1923.



No claim made to the words "Battery Water" apart from the mark as shown on the drawing.
Particular description of goods.—Battery Water.
Claims use since Feb. 15, 1923.

Ser. No. 180,737. (CLASS 37. PAPER AND STATIONERY.) FORT HOWARD PAPER COMPANY, Green Bay, Wis. Filed May 17, 1923.

KRAFTEX

Particular description of goods.—Toilet Paper, Paper Napkins, Paper Towels, and Paper Tablecloths.
Claims use since Apr. 13, 1921.

Ser. No. 180,758. (CLASS 37. PAPER AND STATIONERY.) FORT HOWARD PAPER COMPANY, Green Bay, Wis. Filed May 17, 1923.

WATER FLOWER CREPE

The word "Crepe" is disclaimed apart from the mark shown in the drawing.
Particular description of goods.—Toilet Paper, Paper Napkins, Paper Towels, and Paper Tablecloths.
Claims use since July 12, 1921.

Ser. No. 180,764. (CLASS 13. HARDWARE AND PLUMBING AND STEAM-FITTING SUPPLIES.) HIPOLITO SCREEN & SASH CO., Los Angeles, Calif. Filed May 17, 1923.

HIPOLITO

Particular description of goods.—Window and Door Wire Screens.
Claims use since 1892.

Ser. No. 180,768. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) WILLIAM MILLER, Muncie, Ind. Filed May 17, 1923.

WINTER PEP

Particular description of goods.—Cough Sirup.
Claims use since Sept. 15, 1921.

Ser. No. 180,791. (CLASS 6. CHEMICALS MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) DAINTY-FORM COMPANY INC., New York, N. Y. Filed May 18, 1923.



Particular description of goods.—Fat-Reducing Cream.
Claims use since May 11, 1923.

Ser. No. 180,794. (CLASS 13. HARDWARE AND PLUMBING, AND STEAM-FITTING SUPPLIES.) JOHN R. EMERY, Wakefield, Mass. Filed May 18, 1923.

CAPE COD COTTAGE

Trade-mark "Cape Cod Cottage."
Particular description of goods.—Door Stops.
Claims use since Mar. 13, 1923.

Ser. No. 180,795. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) E-NAM-O MFGRS., Chicago, Ill. Filed May 18, 1923.

E-NAM-O

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Particular description of goods.—Chemical Preparation for Coloring Hair.
Claims use since Apr. 11, 1923.

Ser. No. 180,796. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) FESTINA BROS., New York, N. Y. Filed May 18, 1923.

Renerb

Particular description of goods.—Preparation for the Treatment of Kidney and Blood Diseases.
Claims use since about May 10, 1922.

Ser. No. 180,812. (CLASS 37. PAPER AND STATIONERY.) RAE ROTHSCHILD, doing business as Everite Novelty Company, New York, N. Y. Filed May 18, 1923.

Everite PERPETUAL MEMO Pad

No claim made for the term "Memo Pad" except as shown in the drawing.
Particular description of goods.—Writing Pads of That Type in Which the Writing may be Obliterated.
Claims use since Dec. 5, 1922.

Ser. No. 180,813. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) WILLIAM A. SCHWALB, New York, N. Y. Filed May 18, 1923.

Sani-Wash

Particular description of goods.—Face or Wash Cloths.
Claims use since Apr. 30, 1923.

Ser. No. 180,818. (CLASS 19. VEHICLES, NOT INCLUDING ENGINES.) MITTEN TRAYLOR, INC., Philadelphia, Pa. Filed May 18, 1923.

AUTOMOTRAM

Particular description of goods.—Self-Propelled Vehicles, Single and Double Deck Motor Coaches, and Motor Busses.
Claims use since about Apr. 14, 1923.

Ser. No. 180,825. (CLASS 25. LOCKS AND SAFES.) THE AUTOMATIC RECORDING SAFE CO., Chicago, Ill. Filed May 19, 1923.

THE TRAVELING TELLER

Particular description of goods.—Portable Savings Banks.
Claims use since Apr. 1, 1893.

Ser. No. 180,826. (CLASS 25. LOCKS AND SAFES.) THE AUTOMATIC RECORDING SAFE CO., Chicago, Ill. Filed May 19, 1923.

THE FORTUNE FOUNDER

Particular description of goods.—Portable Savings Banks.
Claims use since Apr. 1, 1893.

Ser. No. 180,855. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) EUGENE GALBRUN, Paris, France. Filed May 19, 1923.

IODALOSE

Particular description of goods.—Solution Containing Peptone and Iodine for All Purposes for Which Peptone and Iron Taken Internally are Valuable.
Claims use since 1912.

Ser. No. 180,873. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) JOHN D. MCCANDLESS, Roswell, N. Mex. Filed May 19, 1923.

LIVE LONGER

Particular description of goods.—Preparation for External Use in the Treatment of Tuberculosis, Asthma, Influenza, Goiter, Rheumatism, Appendicitis, Piles, Boils, Runarounds, Barber's Itch, Neuralgia, Catarrh, Sore Eyes, Chills, Fevers, Cuts, Bruises, and Sprains.
Claims use since Nov. 15, 1921.

Ser. No. 180,874. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) R. W. MCROBERTS, Atlanta, Ga. Filed May 19, 1923.

CALCUM

Particular description of goods.—Medicine Used in the Treatment of Rickets and as a Bone Builder and General Tonic for Dogs.
Claims use since Apr. 1, 1923.

Ser. No. 180,890. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) JULES NORTON RAYMOND, doing business as Associated Laboratories and Germ-A-Lax Laboratories, Chicago, Ill. Filed May 19, 1923.

GERM-A-LAX

Particular description of goods.—Intestinal Germicide and Laxative.
Claims use since Mar. 20, 1923.

Ser. No. 180,902. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) SOUTHERN SPECIALTY COMPANY, Thomasville, Ga. Filed May 19, 1923.

"IT'S A KILLER"

Particular description of goods.—Insecticide.
Claims use since Jan. 2, 1923.

Ser. No. 180,907. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) RAYMOND E. TAYLOR, Portland, Oreg. Filed May 19, 1923.

MAZIN

Particular description of goods.—A Zinc-Chloride Antiseptic and Deodorant for Tender, Spongy, or Receding Gums, Sore Throat, and Tonsillitis.
Claims use since Feb. 1, 1923.

Ser. No. 180,928. (CLASS 39. CLOTHING.) ABRAHAM GUSSOW, doing business as A. Gussow & Co., New York, N. Y. Filed May 21, 1923.

Laurelweave

Particular description of goods.—Women's Cotton Textile Undergarments.
Claims use since Dec. 1, 1922.

Ser. No. 180,929. (CLASS 39. CLOTHING.) ABRAHAM GUSSOW, doing business as A. Gussow & Co., New York, N. Y. Filed May 21, 1923.



Particular description of goods.—Women's Cotton Textile Undergarments.
Claims use since Dec. 1, 1922.

Ser. No. 180,954. (CLASS 13. HARDWARE AND PLUMBING AND STEAM-FITTING SUPPLIES.) THE AMERICAN STEEL AND WIRE COMPANY OF NEW JERSEY, Cleveland, Ohio; Chicago, Ill.; Pittsburgh, Pa.; New York, N. Y.; Worcester, Mass. Filed May 22, 1923.

ARROW

Particular description of goods.—Metal Fence Posts.
Claims use since Mar. 5, 1923.

Ser. No. 181,035. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) JACOB MILLER'S SONS CO., Philadelphia, Pa. Filed May 23, 1923.

HILLBROOK OXFORD

No claim is made to the word "Oxford" apart from the mark shown in the drawing.
Particular description of goods.—Cotton Goods, Silk Goods, Linen Goods, and Mixtures of Cotton and Silk and Linen and Silk, All in the Piece.
Claims use since May 4, 1923.

Ser. No. 181,077. (CLASS 26. MEASURING AND SCIENTIFIC APPLIANCES.) O. D. JENNINGS & COMPANY, Chicago, Ill. Filed May 24, 1923.



Particular description of goods.—Weighing Scales as Well as Coin-Controlled Scales.
Claims use since Apr. 10, 1907.

Ser. No. 181,182. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) GOLDING FABRICS CORPORATION, New York, N. Y. Filed May 26, 1923.

BEAUTEEN

Trade-mark "Beauteen."
Particular description of goods.—Piece Goods Made of Silk.
Claims use since Apr. 16, 1923.

Ser. No. 181,231. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) THOMAS YOUNG INC., New York, N. Y. Filed May 26, 1923.

Thomas Young's

The trade-mark is the signature of Thomas Young, founder of the applicant company.
Particular description of goods.—Linen Piece Goods.
Claims use since Jan. 1, 1922.

Ser. No. 181,243. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) THE CAROLINA COTTON & WOOLEN MILLS COMPANY, Spray, N. C. Filed May 28, 1923.

CARCO FINISH

The word "Finish" forms no part of the trade-mark sought to be registered apart from the mark shown in the drawing.
Particular description of goods.—Cotton Blankets.
Claims use since Jan. 25, 1923.

Ser. No. 181,244. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) THE CAROLINA COTTON & WOOLEN MILLS COMPANY, Spray, N. C. Filed May 28, 1923.

TRIALOT

Particular description of goods.—Cotton Blankets.
Claims use since Jan. 25, 1923.

Ser. No. 181,252. (CLASS 35. BELTING, HOSE, MACHINERY PACKING, AND NONMETALLIC TIRES.) THE DENMAN MYERS CORD TIRE COMPANY, Warren, Ohio. Filed May 28, 1923.

MAJOR

Particular description of goods.—Tires Composed of Rubber and Fabric.
Claims use since Jan. 25, 1923.

Ser. No. 181,328. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) FLORIAN P. WOJCIECHOWSKI, doing business as O-Ko Remedy Products Co., Toledo, Ohio. Filed May 28, 1923.

O-KO

Particular description of goods.—Ointment for the Treatment of Hay Fever, Asthma, Toothache, Headache, Neuralgia, Croup, Pneumonia, Sorethroat, Rheumatism, Burns, Colds, Corns, Catarrh, Piles, Flu, Nasal Catarrh, Head Colds, and Similar Ailments; Liniment for the Treatment of Rheumatism, Backache, Sprains, Muscular Cramps, Lumbago, Stiff Neck, Stiff Joints, Toothache, Neuralgia, Headache, Bronchial Cough and Colds, Cold Feet, and Similar Ailments; and a Cough Sirup for the Treatment of Coughs, Whooping Cough, Bronchitis Croup, Sore Throat, and Similar Ailments.
Claims use since Jan. 3, 1923.

Ser. No. 181,334. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) BOTANY WORSTED MILLS, Passaic, N. J. Filed May 29, 1923.

POPPLETTE

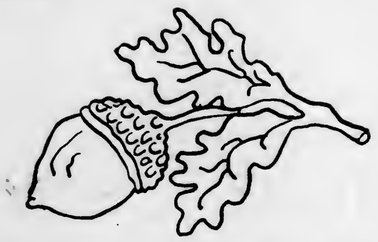
Particular description of goods.—Fabric Known as Worsted Rep.
Claims use since Oct. 15, 1922.

Ser. No. 181,353. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) SOCIÉTÉ ANONYME DES LABORATOIRES INNOXA, Paris, France. Filed May 29, 1923.

INNOXA

Particular description of goods.—Toilet Powder, Cold Cream, Eau de Cologne, Perfumes, Dentifrices, Face and Hair Lotion.
Claims use since Nov. 5, 1919.

Ser. No. 181,500. (CLASS 20. LINOLEUMS AND OILED CLOTH.) THE STANDARD TEXTILE PRODUCTS COMPANY, Youngstown, Ohio, and New York, N. Y. Filed June 2, 1923.



Particular description of goods.—Oilcloth.
Claims use since about 1900.

Ser. No. 181,510. (CLASS 37. PAPER AND STATIONERY.) BEDSOLE-COLVIN DRUG CO., INC., Mobile, Ala. Filed June 4, 1923.

THE

WHOPPER

Particular description of goods.—Writing Tablets.
Claims use since May 1, 1922.

Ser. No. 181,593. (CLASS 13. HARDWARE AND PLUMBING AND STEAM-FITTING SUPPLIES.) GRENNAN CAKE CORPORATION, Detroit, Mich. Filed June 6, 1923.

SLAM BANG

Particular description of goods.—Casters.
Claims use since Apr. 24, 1923.

Ser. No. 181,594. (CLASS 43. THREAD AND YARN.) THE H. K. H. SILK CO., Watertown, Conn. Filed June 6, 1923.

ARCAIRIS

Particular description of goods.—Sewing Silk.
Claims use since Jan. 20, 1923.

Ser. No. 181,635. (CLASS 35. BELTING, HOSE, MACHINERY PACKING, AND NONMETALLIC TIRES.) CORD TIRE CORPORATION, Chester, W. Va. Filed June 7, 1923.

BALLOON

Particular description of goods.—Automobile Rubber Tire Casings.
Claims use since about May 9, 1923.

Ser. No. 181,673. (CLASS 13. HARDWARE AND PLUMBING AND STEAM-FITTING SUPPLIES.) THE COLUMBUS MCKINNON CHAIN COMPANY, Columbus, Ohio. Filed June 8, 1923.

BLUE BOY

Particular description of goods.—Tire-Chain Fasteners.
Claims use since May 1, 1923.

Ser. No. 181,688. (CLASS 37. PAPER AND STATIONERY.) FOX RIVER PAPER COMPANY, Appleton, Wis. Filed June 8, 1923.

CREDIT

Particular description of goods.—Writing Paper.
Claims use since Dec. 29, 1916.

Ser. No. 181,796. (CLASS 2. RECEPTACLES.) WESTERN PAPER BOX COMPANY, Chicago, Ill. Filed June 9, 1923.

Elastic

Particular description of goods.—Paper Pails.
Claims use since Apr. 1, 1910.

Ser. No. 181,797. (CLASS 2. RECEPTACLES.) WESTERN PAPER BOX COMPANY, Chicago, Ill. Filed June 9, 1923.

KEYSTONE

Particular description of goods.—Paper Pails.
Claims use since Mar. 15, 1906.

Ser. No. 181,798. (CLASS 2. RECEPTACLES.) WESTERN PAPER BOX COMPANY, Chicago, Ill. Filed June 9, 1923.

LEADER

Particular description of goods.—Paper Pails.
Claims use since Apr. 1, 1910.

Ser. No. 182,024. (CLASS 13. HARDWARE AND PLUMBING AND STEAM-FITTING SUPPLIES.) UNITED SHOE MACHINERY CORPORATION, Paterson, N. J., and Boston, Mass. Filed June 14, 1923.

M

Trade-mark consists of the letter "M."
Particular description of goods.—Nails.
Claims use since April, 1914.

TRADE-MARK REGISTRATIONS GRANTED

[ACT OF FEBRUARY 20, 1905.]

AUGUST 14, 1923.

171,705. CONCRETE MIXERS, SAW TABLES, PUMPS, HOISTS, AND SHOVELS. CLARENCE E. LA BOYTEAUX, doing business as C. E. La Boyteaux Co., Los Angeles, Calif.
Filed January 23, 1923. Serial No. 174,966. PUBLISHED MAY 8, 1923.

171,706. SOAPS. IRISH SULIMAN, Lynn, Mass.
Filed January 22, 1923. Serial No. 174,944. PUBLISHED MAY 8, 1923.

171,707. CRUDE AND PREPARED ALUMINUM AND ALUMINUM ALLOYS. ALUMINIUM-INDUSTRIE-AKTIEN-GESELLSCHAFT, Neuhausen, Switzerland.
Filed January 22, 1923. Serial No. 174,875. PUBLISHED MAY 1, 1923.

171,708. SHAVING SOAP IN CAKE, STICK, AND POWDERED FORM. OTTOMAR HEINSIUS v. MAYENBURG, doing business as Laboratorium Leo, Dresden, Germany.
Filed December 21, 1921. Serial No. 156,997. PUBLISHED MAY 1, 1923.

171,709. FIRE HYDRANTS, INDICATOR POSTS, GATE VALVES, CHECK VALVES, GLOBE VALVES, ANGLE VALVES, AND BACKWATER VALVES. THE KENNEDY VALVE MFG. CO., Elmira, N. Y.
Filed November 30, 1921. Serial No. 156,089. PUBLISHED MAY 22, 1923.

171,710. FIRE HYDRANTS, INDICATOR POSTS, GATE VALVES, CHECK VALVES, GLOBE VALVES, ANGLE VALVES, AND BACKWATER VALVES. THE KENNEDY VALVE MFG. CO., Elmira, N. Y.
Filed November 30, 1921. Serial No. 156,088. PUBLISHED MAY 22, 1923.

171,711. CHURNS. FREDRICKSON BROTHERS, Cassadaga, N. Y.
Filed November 23, 1921. Serial No. 155,813. PUBLISHED MAY 22, 1923.

171,712. HOSIERY. THE LOUIS STIX CO., Cincinnati, Ohio.
Filed August 11, 1921. Serial No. 151,678. PUBLISHED FEBRUARY 7, 1922.

171,713. BOOKS PUBLISHED FROM TIME TO TIME AND COMIC SECTION IN DAILY NEWSPAPERS. UNIVERSAL FEATURE AND SPECIALTY COMPANY, Chicago, Ill.
Filed July 22, 1921. Serial No. 150,833. PUBLISHED MAY 1, 1923.

171,714. HOSIERY. DR. A. POSNER SHOES, INC., New York, N. Y.
Filed June 28, 1921. Serial No. 149,772. PUBLISHED MAY 8, 1923.

171,715. SHOES OF LEATHER AND CLOTH AND LEATHER. S. J. BROUWER SHOE COMPANY, Milwaukee, Wis.
Filed June 14, 1921. Serial No. 149,119. PUBLISHED AUGUST 15, 1922.

171,716. WEARING APPAREL. CHAS. V. PARKER CO., Harrisburg, Ill.
Filed June 2, 1921. Serial No. 148,549. PUBLISHED MAY 8, 1923.

171,717. CLEANING AND POLISHING FLUID. ZIP PRODUCTS COMPANY, Fremont, Ohio.
Filed May 6, 1921. Serial No. 147,328. PUBLISHED AUGUST 23, 1921.

171,718. CHILDREN'S WAISTS AND SHIRTS, PARTICULARLY UNDERWAISTS WITH OR WITHOUT HOSE SUPPORTERS ATTACHED THERETO. THE R. & J. WAIST COMPANY, New London, Conn.
Filed March 7, 1921. Serial No. 144,429. PUBLISHED MAY 15, 1923.

171,719. LEATHER GLOVES. REYNIER & CIE., Grenoble, France, assignor to Etablissements Reynier, Grenoble, France, a Corporation of France.
Filed February 10, 1921. Serial No. 143,409. PUBLISHED MAY 22, 1923.

171,720. MOTOR-DRIVEN FARM TRACTORS. THE MARVEL TRACTOR CO., Columbus, Ohio.
Filed January 26, 1921. Serial No. 142,798. PUBLISHED MAY 22, 1923.

171,721. HIGHLY-SEASONED SAUCE FOR USE ON MEAT AND FISH. CLARA I. WOOD, doing business as Snapo Food Products Company, New York, N. Y.
Filed November 5, 1920. Serial No. 139,240. PUBLISHED MAY 15, 1923.

171,722. CHOCOLATES. THE LONDON CHOCOLATE COMPANY, LIMITED, Stratford, London, England.
Filed October 27, 1920. Serial No. 138,861. PUBLISHED MAY 22, 1923.

171,723. BOYS' SUITS, OVERCOATS, NIGHTSHIRTS, PYJAMAS, SHIRTS, BLOUSES, KNITTED AND TEXTILE UNDERWEAR, PANTS, WASH SUITS, ROMPERS. ARTHUR LETTS, Los Angeles, Calif., assignor to The Broadway Department Store, Los Angeles, Calif., a Corporation of California.
Filed May 22, 1918. Serial No. 111,114. PUBLISHED MAY 15, 1923.

171,724. WRENCHES. WILLSE M. LAWRENCE, Brookline, Mass., and Bartow, Fla.
Filed October 14, 1922. Serial No. 170,721. PUBLISHED MAY 8, 1923.

171,725. HOSIERY. NOE-EQUL HOSIERY MILLS, INC., Reading, Pa.
Filed October 13, 1922. Serial No. 170,690. PUBLISHED MAY 15, 1923.

171,726. MEN'S, WOMEN'S AND CHILDREN'S HOSE. DANIEL J. HEALY, Detroit, Mich.
Filed October 12, 1922. Serial No. 170,648. PUBLISHED MAY 15, 1923.

171,727. CHILDREN'S, GIRLS', AND WOMEN'S DRESSES. I. GINSBERG & BROS., New York, N. Y., assignor to Isaac Ginsberg & Brothers, Inc., New York, N. Y., a Corporation of New York.
Filed October 12, 1922. Serial No. 170,636. PUBLISHED MAY 15, 1923.

171,728. HOSIERY. AMERICAN WHOLESALE CORPORATION (BALTIMORE BARGAIN HOUSE), Baltimore, Md.
Filed October 12, 1922. Serial No. 170,613. PUBLISHED MAY 15, 1923.

171,729. MEN'S OUTER CLOTHING—VIZ. SUITS, AND PARTICULARLY COATS. B. KUPPENHEIMER & CO., doing business as The House of Kuppenheimer, Chicago, Ill.
Filed October 11, 1922. Serial No. 170,587. PUBLISHED MAY 15, 1923.

171,730. WOMEN'S DRESSES. L. BAMBERGER & Co., Newark, N. J.
Filed October 5, 1922. Serial No. 170,361. PUBLISHED MAY 22, 1923.

171,731. NONMETALLIC TIRES. THE BADGER RUBBER WORKS, Milwaukee and Cudahy, Wis.
Filed October 4, 1922. Serial No. 170,267. PUBLISHED APRIL 3, 1923.

171,732. MEN'S DRESS, NEGLIGEE, AND WORK SHIRTS. HARRY TRACHTENBERG, doing business as Arion Shirt Company, New York, N. Y.
Filed October 2, 1922. Serial No. 170,226. PUBLISHED MAY 22, 1923.

171,733. LEATHER BOOTS AND SHOES. GALE SHOE MANUFACTURING CO., Boston, Mass.
Filed September 29, 1922. Serial No. 170,061. PUBLISHED JANUARY 30, 1923.

171,734. ALUMINUM CULINARY UTENSILS. LEANDER C. JONES, doing business as Chef Aluminum Co., Battle Creek, Mich.
Filed September 25, 1922. Serial No. 169,907. PUBLISHED MAY 22, 1923.

171,735. WINDOW REGULATORS. THE DURA COMPANY, Toledo, Ohio.
Filed September 22, 1922. Serial No. 169,803. PUBLISHED MAY 8, 1923.

171,736. CANDY. GEORGE KANTES, Atlanta, Ga.
Filed September 21, 1922. Serial No. 169,764. PUBLISHED MAY 15, 1923.

171,737. ARTICLES OF MEN'S APPAREL—NAMELY, ADJUSTABLE CAPS, HATS AND CAPS OF ALL KINDS; ARTICLES OF LADIES' APPAREL—NAMELY, SCARFS, HATS, CLOAKS, CAPES, SWEATERS, SLIP-ONS, AND VESTS. I. PACHNER & SON, INC., New York, N. Y.
Filed September 20, 1922. Serial No. 169,737. PUBLISHED MAY 22, 1923.

171,738. PRINTS AND PUBLICATIONS. PALMER PHOTOPLAY CORPORATION, Los Angeles, Calif.
Filed September 18, 1922. Serial No. 169,645. PUBLISHED MAY 22, 1923.

171,739. LADIES' KNIT UNDERWEAR. CALIFORNIA UNDERWEAR AND HOSIERY MILLS, also doing business as California Underwear Mills, Los Angeles, Calif.
Filed September 18 1922. Serial No. 169,618. PUBLISHED MAY 8, 1923.

171,740. STOCKINGS. BROOKLYN HOSIERY MILLS, INC., Brooklyn, N. Y.
Filed September 18, 1922. Serial No. 169,573. PUBLISHED MAY 22, 1923.

171,741. DEPARTMENTS OR SECTIONS OF AND ARTICLES IN MAGAZINES AND THE LIKE. RICHARD HOWLAND RANGER, New York, N. Y.
Filed September 15, 1922. Serial No. 169,519. PUBLISHED MAY 1, 1923.

171,742. EDIBLE OILS. DE BRUYN LIMITED, London, England.
Filed September 6, 1922. Serial No. 169,125. PUBLISHED MAY 8, 1923.

171,743. SOAP IN LIQUID, FLAKE, POWDERED, AND CAKE FORM. HARRIS SOAP COMPANY, Buffalo, N. Y.
Filed July 15, 1922. Serial No. 166,945. PUBLISHED MAY 15, 1923.

171,744. BIMONTHLY MAGAZINES. MARSHALL FIELD & COMPANY, Chicago, Ill.
Filed April 3, 1922. Serial No. 161,681. PUBLISHED MAY 1, 1923.

171,745. PNEUMATIC RUBBER TIRE CASINGS. H. B. CHRISTIAN, Fresno, Calif.
Filed July 15, 1922. Serial No. 166,934. PUBLISHED MARCH 13, 1923.

171,746. DRESSES FOR GIRLS, JUNIORS, AND MISSES. JACOB OBER, doing business as Loeb Dress Co., New York, N. Y.
Filed July 13, 1922. Serial No. 166,848. PUBLISHED MAY 22, 1923.

171,747. CERTAIN NAMED LIME POLISHING COMPOSITIONS. A. P. MUNNING & Co., Matawan, N. J.
Filed June 29, 1922. Serial No. 166,242. PUBLISHED MAY 1, 1923.

171,748. CLOTH POLISHING WHEELS. A. P. MUNNING & Co., Matawan, N. J.
Filed June 28, 1922. Serial No. 166,193. PUBLISHED MAY 8, 1923.

171,749. CLOTH POLISHING WHEELS. A. P. MUNNING & Co., Matawan, N. J.
Filed June 28, 1922. Serial No. 166,190. PUBLISHED MAY 8, 1923.

171,750. HATS FOR MEN, WOMEN, AND CHILDREN. HAMMELL-NEUMAN CO., Philadelphia, Pa.
Filed May 24, 1922. Serial No. 164,435. PUBLISHED MAY 15, 1923.

171,751. INDEX THERMOMETERS. EDOUARD KOEHN, Geneva, Switzerland.
Filed May 18, 1922. Serial No. 164,057. PUBLISHED MAY 15, 1923.

171,752. OVERALLS, WORK SHIRTS, COATS, VESTS, AND PANTS FOR MEN AND BOYS. A. C. BARROW & COMPANY, Lynchburg, Va.
Filed May 17, 1922. Serial No. 163,966. PUBLISHED MAY 22, 1923.

171,753. CHOCOLATES AND CANDIES. WALLACE & Co., Brooklyn, N. Y.
Filed May 6, 1922. Serial No. 163,489. PUBLISHED JANUARY 9, 1923.

171,754. SCRATCH FEED, DAIRY FEED, HOG FEED, HORSE AND MULE FEED. JOHN M. WILSON, doing business as Meridian Grain & Elevator Company, Meridian, Miss.
Filed May 3, 1922. Serial No. 163,301. PUBLISHED MARCH 27, 1923.

171,755. MONTHLY MAGAZINE. JAMES L. CARESKEY, Louisville, Ky.
Filed April 26, 1922. Serial No. 162,918. PUBLISHED MAY 1, 1923.

171,756. CANDY. MER-SHA CANDIES, St. Paul, Minn.
Filed March 13, 1922. Serial No. 160,621. PUBLISHED JUNE 5, 1923.

171,757. NONELECTRIC IRON-HEATED HAIR-WAVING IMPLEMENTS. JOHN ADOLPHUS HARTVIG, Oakland, Calif.
Filed March 27, 1923. Serial No. 178,101. PUBLISHED MAY 29, 1923.

171,758. POWDERED SUGAR. RICHARDSON & HOLLAND, INC., Seattle, Wash.
Filed December 21, 1920. Serial No. 141,399. PUBLISHED MAY 29, 1923.

171,759. CIGARS. SALVADOR RODRIGUEZ, New York, N. Y.
Filed April 9, 1923. Serial No. 178,869. PUBLISHED MAY 29, 1923.

171,760. MONTHLY MAGAZINE. THE HOLDING COMMITTEE FOR EDUCATIONAL AND PHILANTHROPIC WORK, St. Louis, Mo.
Filed March 27, 1922. Serial No. 161,315. PUBLISHED MAY 1, 1923.

171,761. SALAD OIL. LEBANNON OIL CO., Chicago, Ill.
Filed March 9, 1922. Serial No. 160,416. PUBLISHED MAY 15, 1923.

171,762. HOSIERY. PENNSYLVANIA HOSIERY MILLS, Philadelphia, Pa.
Filed March 8, 1922. Serial No. 160,363. PUBLISHED SEPTEMBER 5, 1922.

171,763. SAWS. SOUTHERN SAW WORKS, Atlanta, Ga.
Filed February 18, 1922. Serial No. 159,538. PUBLISHED MAY 1, 1923.

171,764. PUMPS. THE F. E. MYERS & BRO. CO., Ashland, Ohio.
Filed February 2, 1922. Serial No. 158,784. PUBLISHED MAY 8, 1923.

171,765. BRASS CLEANERS AND IRON CLEANERS. THE BIRD-ARCHER COMPANY, New York, N. Y.
Filed January 30, 1922. Serial No. 158,595. PUBLISHED MAY 1, 1923.

171,766. CREMORNE BOLTS, ESPAGNOLETTE BOLTS; LOCKS AND BOLTS MADE OF BRASS, HAND CHASED AND GILT, DESIGNS OF ALL PERIODS; STEEL MORTISE AND RIM LOCKS, LOCKS WITH CYLINDER TO BE MASTER-KEYED. SOCIÉTÉ P. & A. PICARD, Paris, France.
Filed January 28, 1922. Serial No. 158,583. PUBLISHED MAY 1, 1923.

171,767. PERIODICAL PUBLICATIONS. INSTITUTE FOR PUBLIC SERVICE, New York, N. Y.
Filed December 22, 1922. Serial No. 173,707. PUBLISHED MAY 8, 1923.

171,768. BOOTS AND SHOES OF LEATHER, RUBBER, AND COMBINATIONS OF LEATHER AND RUBBER. THE ELI BOOT SHOP CO., New Haven, Conn.
Filed December 21, 1922. Serial No. 173,629. PUBLISHED MAY 8, 1923.

171,769. WASHING COMPOUND. THE MELLO COMPANY, La Porte, Ind.
Filed December 20, 1922. Serial No. 173,607. PUBLISHED MAY 15, 1923.

171,770. SHOES OF COMBINATIONS OF LEATHER AND RUBBER AND OF FABRIC AND RUBBER. MELVILLE SHOE CORPORATION, New York, N. Y.
Filed December 19, 1922. Serial No. 173,575. PUBLISHED MAY 8, 1923.

171,771. METAL TOPS FOR KITCHEN AND OTHER TABLES. AMERICAN RANGE & FOUNDRY COMPANY, Minneapolis, Minn.
Filed December 19, 1922. Serial No. 173,550. PUBLISHED MAY 1, 1923.

171,772. MONTHLY PUBLICATION. M. WILE & Co., Buffalo, N. Y.
Filed December 18, 1922. Serial No. 173,547. PUBLISHED MAY 1, 1923.

171,773. SERIES OF BOOKS. LITTLE, BROWN & COMPANY, Boston, Mass.
Filed December 18, 1922. Serial No. 173,516. PUBLISHED MAY 8, 1923.

171,774. SHEET-METAL CHAINS. THE SMITH & EGGE MANF'G. Co., Bridgeport, Conn.
Filed December 16, 1922. Serial No. 173,446. PUBLISHED MAY 15, 1923.

171,775. SWEATERS, SCARFS, KNITTED SUITS, KNITTED DRESSES, BATHING SUITS, AND KNITTED CAPES. GOTHAM KNITTING MILLS, New York, N. Y.
Filed December 12, 1922. Serial No. 173,233. PUBLISHED MAY 22, 1923.

171,776. SHIRTS, NIGHTSHIRTS, PYJAMAS, AND BOYS' BLOUSES. PHILLIPS-JONES CORPORATION, New York, N. Y.
Filed December 9, 1922. Serial No. 173,145. PUBLISHED MAY 22, 1923.

171,777. SOAPS, SOAP PASTES, AND SOAP POWDERS. PARFUMERIE ROGER & GALLET, Paris, France.
Filed December 9, 1922. Serial No. 173,142. PUBLISHED MAY 8, 1923.

171,778. SOAP, GLASS POLISH, METAL POLISH, AND ABRADER PREPARATIONS. TITANIUM PIGMENT COMPANY, INC., Niagara Falls, N. Y.
Filed December 8, 1922. Serial No. 173,110. PUBLISHED MAY 15, 1923.

171,779. HOSIERY FOR LADIES. KAJOWILL MILLS, Reading, Pa.
Filed December 7, 1922. Serial No. 173,049. PUBLISHED MAY 22, 1923.

171,780. BOYS' BLOUSES. MAX FINKELSON, doing business as Onyx Blouse Co., New York, N. Y.
Filed December 7, 1922. Serial No. 173,041. PUBLISHED MAY 22, 1923.

171,781. CANDY. S. B. GOFF & SONS COMPANY, Camden, N. J.
Filed December 5, 1922. Serial No. 172,939. PUBLISHED MAY 22, 1923.

171,782. MEN'S, WOMEN'S, AND CHILDREN'S KNIT AND FLAT HOSIERY. DREIFUS, ECKSTEIN & KING, INC., New York, N. Y.
Filed December 5, 1922. Serial No. 172,935. PUBLISHED MAY 22, 1923.

171,783. BOYS' SKATING SETS, EACH INCLUDING A HAT, SWEATER, SWEATER PANTS, AND SCARF, MADE OF WOOL KNITTED FABRIC. R. H. MACY & Co., INC., New York, N. Y.
Filed December 2, 1922. Serial No. 172,844. PUBLISHED MAY 22, 1923.

171,784. MEN'S, WOMEN'S, AND CHILDREN'S HOSIERY. WILLIAM VERNON'S SONS & Co., Philadelphia, Pa.
Filed December 1, 1922. Serial No. 172,788. PUBLISHED MAY 22, 1923.

171,785. MEN'S, LADIES', AND CHILDREN'S HOSIERY, KNITTED UNDERWEAR, AND SWEATERS. THE A. THOMPSON CO., Amsterdam, N. Y.
Filed December 1, 1922. Serial No. 172,785. PUBLISHED MAY 22, 1923.

171,786. MEN'S, LADIES', AND CHILDREN'S HOSIERY, KNITTED UNDERWEAR, AND SWEATERS. THE A. THOMPSON CO., Amsterdam, N. Y.
Filed December 1, 1922. Serial No. 172,784. PUBLISHED MAY 22, 1923.

171,787. MATCHES. THE DIAMOND MATCH COMPANY, Chicago, Ill.
Filed April 10, 1923. Serial No. 178,897. PUBLISHED MAY 22, 1923.

171,788. COTTON, WOOLEN, AND SILK PIECE GOODS AND COMBINATIONS THEREOF. JAMES F. WHITE & Co. INC., New York, N. Y.
Filed April 5, 1923. Serial No. 178,648. PUBLISHED MAY 22, 1923.

171,789. BLEACHED COTTON PIECE GOODS. THE LOUIS STIX CO., Cincinnati, Ohio, and New York, N. Y.
Filed April 5, 1923. Serial No. 178,640. PUBLISHED MAY 22, 1923.

171,790. BROWN COTTONS IN THE PIECE. THE LOUIS STIX CO., Cincinnati, Ohio, and New York, N. Y.
Filed April 5, 1923. Serial No. 178,639. PUBLISHED MAY 22, 1923.

171,791. BABBITT METAL. U. T. HUNGERFORD BRASS & COPPER CO., New York, N. Y.
Filed March 31, 1923. Serial No. 178,390. PUBLISHED MAY 15, 1923.

171,792. HAIR NETS. B. ALTMAN & Co., New York, N. Y.
Filed April 4, 1923. Serial No. 178,540. PUBLISHED MAY 22, 1923.

171,793. BLEACHED COTTON PIECE GOODS. THE LOUIS STIX CO., Cincinnati, Ohio, and New York, N. Y.
Filed April 5, 1923. Serial No. 178,637. PUBLISHED MAY 22, 1923.

171,794. BLEACHED COTTON IN THE PIECE. THE LOUIS STIX CO., Cincinnati, Ohio, and New York, N. Y.
Filed April 5, 1923. Serial No. 178,638. PUBLISHED MAY 22, 1923.

171,795. ARTIFICIAL PEARLS. LEYS, CHRISTIE & CO., New York, N. Y.
Filed April 26, 1923. Serial No. 179,734. PUBLISHED MAY 29, 1923.

171,796. HAIR NETS. WESTERN BOTTLE MANUFACTURING COMPANY, at times doing business as The Western Company, Chicago, Ill.
Filed February 16, 1923. Serial No. 176,142. PUBLISHED MAY 22, 1923.

171,797. ANCHOR RODS. ALBERT B. CHANCE, doing business as Chance Company, Centralia, Mo.
Filed February 20, 1923. Serial No. 176,324. PUBLISHED MAY 15, 1923.

171,798. HEAT AND CORROSION RESISTING ALLOYS IN THE FORM OF CASTINGS AND FORGINGS. FRANK A. FAHRENWALD, Cleveland Heights, Ohio.
Filed February 20, 1923. Serial No. 176,332. PUBLISHED MAY 22, 1923.

171,799. PRESERVED CUCUMBERS. PEERLESS FOOD PRODUCTS CO., INC., Long Island City, N. Y.
Filed February 20, 1923. Serial No. 176,362. PUBLISHED MAY 22, 1923.

171,800. STEERING-POST CONTROL AND EXHAUST LOCK. ALONZO H. ADAMS, doing business as Exhaust Lock Company, Indianapolis, Ind.
Filed February 23, 1923. Serial No. 176,435. PUBLISHED MAY 15, 1923.

171,801. WIRE FENCES. ATLANTIC STEEL COMPANY, Atlanta, Ga.
Filed February 24, 1923. Serial No. 176,531. PUBLISHED MAY 15, 1923.

171,802. THERMOMETERS. WILDER-PIKE THERMOMETER COMPANY, INC., Troy, N. Y.
Filed February 27, 1923. Serial No. 176,702. PUBLISHED MAY 1, 1923.

171,803. PUMP COUPLING. JOHN J. O'BRIEN, Coggon, Iowa.
Filed February 28, 1923. Serial No. 176,757. PUBLISHED MAY 8, 1923.

171,804. MACHINE TOOLS, CONSISTING OF PLANERS, LATHES, AND DRILLING MACHINES. NILES-BEMENT-POND COMPANY, New York, N. Y.
Filed March 5, 1923. Serial No. 177,017. PUBLISHED MAY 22, 1923.

171,805. ANTITHEFT LOCKS FOR THE WHEELS OF MOTOR VEHICLES. GUSTAVE EDWARD WESTBERG, Los Angeles, Calif.
Filed March 8, 1923. Serial No. 177,155. PUBLISHED MAY 8, 1923.

171,806. HANDKERCHIEFS. JACK KLEIN, doing business as J. Klein Co., New York, N. Y.
Filed March 13, 1923. Serial No. 177,388. PUBLISHED MAY 22, 1923.

171,807. QUARTERLY PUBLICATION. PERIODICAL PUBLISHING COMPANY, Grand Rapids, Mich.
Filed March 13, 1923. Serial No. 177,403. PUBLISHED MAY 22, 1923.

171,808. CAST METAL HAVING A SURFACE LAYER OF HARD GRANULAR MINERAL ELEMENTS AND USED FOR AGITATING OR STIRRING MINERAL AND FOR OTHER PURPOSES. AMERICAN ABRASIVE METALS COMPANY, New York, N. Y.
Filed March 15, 1923. Serial No. 177,464. PUBLISHED MAY 15, 1923.

171,809. BAG FILLING AND PACKAGING MACHINERY. BATES VALVE BAG COMPANY, Chicago, Ill.
Filed March 16, 1923. Serial No. 177,539. PUBLISHED MAY 15, 1923.

171,810. BARBED WIRE. GULF STATES STEEL COMPANY, Birmingham, Ala.
Filed March 21, 1923. Serial No. 177,777. PUBLISHED MAY 15, 1923.

171,811. BARBED WIRE. GULF STATES STEEL COMPANY, Birmingham, Ala.
Filed March 21, 1923. Serial No. 177,778. PUBLISHED MAY 15, 1923.

171,812. BARBED WIRE. GULF STATES STEEL COMPANY, Birmingham, Ala.
Filed March 21, 1923. Serial No. 177,779. PUBLISHED MAY 15, 1923.

171,813. BEARING BRONZE. OREGON BRASS WORKS, Portland, Oreg.
Filed March 29, 1923. Serial No. 178,274. PUBLISHED MAY 15, 1923.

171,814. BEARING BRONZE. OREGON BRASS WORKS, Portland, Oreg.
Filed March 29, 1923. Serial No. 178,275. PUBLISHED MAY 15, 1923.

171,815. COIN-CONTROLLED LOCKS. MICHIGAN COIN LOCK COMPANY, Indianapolis, Ind.
Filed March 30, 1923. Serial No. 178,350. PUBLISHED MAY 15, 1923.

171,816. MOTION-PICTURE FILMS. METRO PICTURES CORPORATION, New York, N. Y.
Filed January 25, 1923. Serial No. 175,093. PUBLISHED MAY 15, 1923.

171,817. HOUSE ORGAN PUBLISHED MONTHLY. NATIONAL PAVING BRICK MANUFACTURERS ASSOCIATION, Cleveland, Ohio.
Filed January 25, 1923. Serial No. 175,099. PUBLISHED MAY 8, 1923.

171,818. MONTHLY MAGAZINE. THE OKLAHOMA PUBLISHING COMPANY, Oklahoma, Okla.
Filed January 29, 1923. Serial No. 175,266. PUBLISHED MAY 8, 1923.

171,819. ALUMINUM AND ALUMINUM ALLOYS (CRUDE AND PARTLY PREPARED). ALUMINIUM-INDUSTRIE-AKTIEN-GESELLSCHAFT, Neuhausen, Switzerland.
Filed January 30, 1923. Serial No. 175,291. PUBLISHED MAY 1, 1923.

171,820. OPHTHALMIC LENSES. R. H. MACY & CO., INC., New York, N. Y.
Filed January 31, 1923. Serial No. 175,363. PUBLISHED MAY 15, 1923.

171,821. MEN'S HEADWEAR—VIZ, HATS AND CAPS. THE YOUNG HAT COMPANY, Norwalk, Conn.
Filed January 31, 1923. Serial No. 175,375. PUBLISHED MAY 8, 1923.

171,822. FILES AND RASPS. C. O. ÖBERG & CO.'S AKTIEBOLAG, Eskilstuna, Sweden.
Filed February 3, 1923. Serial No. 175,514. PUBLISHED MAY 8, 1923.

171,823. MONTHLY PUBLICATION. RALPH FORD COUCH, Washington, D. C.
Filed February 5, 1923. Serial No. 175,544. PUBLISHED MAY 1, 1923.

171,824. UNWROUGHT AND PARTLY-WROUGHT STEEL. HADFIELDS LIMITED, Sheffield, England.
Filed February 5, 1923. Serial No. 175,553. PUBLISHED MAY 8, 1923.

171,825. SILK RIBBONS IN THE PIECE. THE TAYLOR-FRIEDSAM COMPANY, Paterson, N. J., and New York, N. Y.
Filed February 5, 1923. Serial No. 175,575. PUBLISHED MAY 22, 1923.

171,826. COTTON PIECE GOODS. WEINER BROTHERS, INC., New York, N. Y.
Filed February 5, 1923. Serial No. 175,583. PUBLISHED MAY 22, 1923.

171,827. BALANCES AND WEIGHING SCALES. CHRISTIAN BECKER, INC., New York, N. Y.
Filed February 6, 1923. Serial No. 175,597. PUBLISHED MAY 1, 1923.

171,828. METAL CASTINGS AND FORGINGS OF STANDARD AND SPECIAL SHAPES. HENRY & ALLEN, Auburn, N. Y.
Filed February 9, 1923. Serial No. 175,791. PUBLISHED MAY 1, 1923.

171,829. MONTHLY PUBLICATION. NATIONAL SHOE RETAILERS ASSOCIATION OF THE UNITED STATES OF AMERICA, INC., Chicago, Ill.
Filed February 9, 1923. Serial No. 175,806. PUBLISHED MAY 22, 1923.

171,830. METAL COUPLINGS, METAL PIPES, METAL TUBES, AND METAL CASINGS. NATIONAL TUBE COMPANY, Pittsburgh, Pa.
Filed February 10, 1923. Serial No. 175,882. PUBLISHED MAY 1, 1923.

171,831. CASH REGISTERS. AMERICAN CASH REGISTER CO., Saginaw, Mich.
Filed February 12, 1923. Serial No. 175,909. PUBLISHED MAY 15, 1923.

171,832. BEARING METAL, PACKING METAL, BRASS CASTINGS, AND BRONZE CASTINGS. FREDERICKSEN COMPANY, Saginaw, Mich.
Filed February 12, 1923. Serial No. 175,925. PUBLISHED MAY 15, 1923.

171,833. METALS—NAMELY, BRASS, GILDING, COPPER, OREIDE, PURE NICKEL, CUPRO NICKEL, BRONZE KNOWN AS PHOSPHOR BRONZE, COMMERCIAL BRONZE, AND SEYMOUR BRONZE. THE SEYMOUR MANUFACTURING COMPANY, Seymour, Conn.
Filed February 12, 1923. Serial No. 175,952. PUBLISHED MAY 15, 1923.

171,834. METAL ALLOYS IN VARIOUS FORMS. THE SEYMOUR MANUFACTURING COMPANY, Seymour, Conn.
Filed February 12, 1923. Serial No. 175,954. PUBLISHED MAY 15, 1923.

171,835. NONMETALLIC GEAR WHEELS AND GEAR-WHEEL BLANKS. GENERAL ELECTRIC COMPANY, Schenectady, N. Y.
Filed February 16, 1923. Serial No. 176,118. PUBLISHED MAY 8, 1923.

171,836. APPARATUS FOR REVIVIFYING KIESELGUHR, APPARATUS FOR PRODUCING CHARCOAL, FISH-MEAL APPARATUS, AND SIRUP CLARIFIERS. STANLEY HILLER, INC., San Jose, Calif.
Filed November 7, 1922. Serial No. 171,713. PUBLISHED MAY 8, 1923.

171,837. SHOES MADE WHOLLY OR IN PART OF LEATHER. L. E. GROSSMAN, INC., New York, N. Y.
Filed November 6, 1922. Serial No. 171,637. PUBLISHED MAY 8, 1923.

171,838. HATS AND CAPS FOR MEN AND BOYS. MAX RAPPAPORT, Los Angeles, Calif.
Filed November 1, 1922. Serial No. 171,468. PUBLISHED MAY 8, 1923.

171,839. CANNED FRUITS AND VEGETABLES. KINGS COUNTY PACKING CO., Armona, Calif.
Filed October 28, 1922. Serial No. 171,327. PUBLISHED MAY 15, 1923.

171,840. MAGAZINE PUBLISHED WEEKLY. THE PENTON PUBLISHING COMPANY, Cleveland, Ohio.
Filed October 27, 1922. Serial No. 171,281. PUBLISHED MAY 1, 1923.

171,841. CLOTHING MODELS AND PATTERNS. MAX LEVITT, doing business as Fashion Model Co., Brooklyn, N. Y.
Filed October 26, 1922. Serial No. 171,224. PUBLISHED MAY 15, 1923.

171,842. CAMISOLES, BLOOMERS, CHEMISES, GOWNS, COMBINATIONS, PANTALETS, UNDERSKIRTS, VESTS, DRAWERS, KIMONOS, NEGLIGEES, BED SACKS, COMBING JACKETS, PYJAMAS, AND COSTUME SLIPS. LASKIN BROTHERS, Philadelphia, Pa.
Filed October 26, 1922. Serial No. 171,223. PUBLISHED MAY 15, 1923.

171,843. HOSIERY. IDOLITE HOSIERY MILLS, INC., New York, N. Y.
Filed October 26, 1922. Serial No. 171,218. PUBLISHED MAY 15, 1923.

171,844. MEN'S AND BOYS' SUITS, OVERCOATS, VESTS, TROUSERS. S. & B. SUMMER CLOTHING CO., New York, N. Y.
Filed October 25, 1922. Serial No. 171,189. PUBLISHED MAY 15, 1923.

171,845. COLLARS. HARRY AND CHARLES COHEN, doing business as Biltrite Collar Co., New York, N. Y.
Filed October 25, 1922. Serial No. 171,151. PUBLISHED MAY 15, 1923.

171,846. COMPRESSED-AIR SELF-STARTERS FOR INTERNAL-COMBUSTION ENGINES. IDA STARTER LIMITED, London, England.
Filed October 24, 1922. Serial No. 171,128. PUBLISHED MAY 1, 1923.

171,847. FUR COATS, FUR SCARFS, FUR MUFFS, FUR CHOKERS, AND FUR DOLMANS. PHILIPSBORN'S, INC., Chicago, Ill.
Filed October 21, 1922. Serial No. 171,036. PUBLISHED MAY 15, 1923.

171,848. APRONS FOR ICEMEN. UNITED STATES RUBBER COMPANY, New Brunswick, N. J., and New York, N. Y.
Filed October 20, 1922. Serial No. 171,002. PUBLISHED MAY 15, 1923.

171,849. FEMALE APPAREL—NAMELY, DRESSES. MARVIN SHAW AND CO., New York, N. Y.
Filed October 20, 1922. Serial No. 170,995. PUBLISHED MAY 15, 1923.

171,850. TOILET SOAP. J. GROSSMITH & SON, LIMITED, London, England.
Filed October 20, 1922. Serial No. 170,977. PUBLISHED MAY 15, 1923.

171,851. CERTAIN NAMED CLEANING COMPOUND IN PASTE FORM. THE REEDER-STAGE CHEMICAL COMPANY, Saginaw, Mich.
Filed October 19, 1922. Serial No. 170,954. PUBLISHED MAY 1, 1923.

171,852. PANTS, VESTS, COATS, WORK SHIRTS, HIKING BREECHES FOR MEN AND WOMEN. MEYER LIBERMAN, doing business as M. Liberman Mfg. Co., Vallejo, Calif.
Filed October 19, 1922. Serial No. 170,940. PUBLISHED MAY 15, 1923.

171,853. LIQUID FOR CLEANING FABRICS. WILSON-IMPERIAL COMPANY, Newark, N. J.
Filed October 17, 1922. Serial No. 170,850. PUBLISHED MAY 1, 1923.

171,854. COLORED PICTURES OR PLOT TINOTYPES. WALLACE NUTTING, INCORPORATED, Ashland, Mass.
Filed October 17, 1922. Serial No. 170,831. PUBLISHED MAY 1, 1923.

171,855. BOYS', STUDENTS', YOUNG MEN'S, AND MEN'S SUITS, KNICKERBOCKERS, AND TOP COATS. LAZARUS, GOLDBERG & FRIEDMAN, INC., New York, N. Y.
Filed October 16, 1922. Serial No. 170,775. PUBLISHED MAY 22, 1923.

171,856. TOILET SOAP. SWINE BREEDERS PURE SERUM COMPANY, Thorntown, Ind.
Filed January 20, 1923. Serial No. 174,869. PUBLISHED MAY 1, 1923.

171,857. OPHTHALMIC MOUNTINGS AND PARTS THEREOF. STEVENS & COMPANY, INC., Providence, R. I.
Filed January 20, 1923. Serial No. 174,867. PUBLISHED MAY 1, 1923.

171,858. BUTCHER KNIVES, KITCHEN KNIVES, SAFETY-RAZOR BLADES, AND GLASS CUTTERS. HUBERT C. HART, Unionville, Conn.
Filed January 18, 1923. Serial No. 174,738. PUBLISHED MAY 1, 1923.

171,859. SERIAL MONTHLY MAGAZINE. VINCENT J. FARLEY, doing business as How To Make Money Publishing Co., Long Island City, N. Y.
Filed January 13, 1923. Serial No. 174,564. PUBLISHED MAY 8, 1923.

171,860. SILK, ARTIFICIAL-SILK, COTTON, WOOL, PIECE GOODS, AND COMBINATIONS THEREOF. TRAVIS, ROMAINE & JELLÉ, INC., New York, N. Y.
Filed January 12, 1923. Serial No. 174,544. PUBLISHED MAY 22, 1923.

171,861. OPHTHALMIC MOUNTINGS AND PARTS THEREOF. STEVENS & COMPANY, INC., Providence, R. I.
Filed January 12, 1923. Serial No. 174,540. PUBLISHED MAY 22, 1923.

171,862. CRÊPES AND SILK GOODS IN THE PIECE AND VEILINGS. LOUIS ROESSEL & CO. INC., Hazleton, Pa., and New York, N. Y.
Filed January 12, 1923. Serial No. 174,529. PUBLISHED MAY 22, 1923.

171,863. DRESS PATTERNS. THE PICTORIAL REVIEW COMPANY, New York, N. Y.
Filed January 12, 1923. Serial No. 174,526. PUBLISHED MAY 22, 1923.

171,864. CERTAIN NAMED TOOLS. MACK TOOL COMPANY, INC., Rochester, N. Y.
Filed January 12, 1923. Serial No. 174,523. PUBLISHED MAY 1, 1923.

171,865. PUBLICATION ISSUED MONTHLY. SKINNER MACHINERY COMPANY, Dunedin, Fla.
Filed January 11, 1923. Serial No. 174,493. PUBLISHED MAY 15, 1923.

171,866. HATS. R AN W HAT SHOP, INC., Norwalk, Conn.
Filed January 11, 1923. Serial No. 174,445. PUBLISHED MAY 8, 1923.

171,867. TOILET SOAP. YARDLEY & CO., LIMITED, Stratford and London, England.
Filed January 9, 1923. Serial No. 174,377. PUBLISHED MAY 1, 1923.

171,868. LAVATORY CLEANSER. HARRY PICKUP, doing business as Harpic Manufacturing Co., London, England.
Filed January 6, 1923. Serial No. 174,259. PUBLISHED MAY 15, 1923.

171,869. PUMPING APPARATUS UTILIZING HYDROSTATIC PRESSURE FOR RAISING LIQUIDS. ALLEN HYDROSTATIC PUMP SYNDICATE LTD., Westminster, London, England.
Filed January 5, 1923. Serial No. 174,191. PUBLISHED MAY 15, 1923.

171,870. RAZOR-BLADE-STROPPING HOLDERS. SURE-EDGE STROPPER COMPANY, Minneapolis, Minn.
Filed January 4, 1923. Serial No. 174,187. PUBLISHED MAY 1, 1923.

171,871. FILING SAFES, SKELETON SAFES, FIREPROOF SAFES, BURGLARPROOF SAFES, MANGANESE SAFES, VAULT DOORS, LOCKS, AND SAFE-DEPOSIT BOXES. DIEBOLD SAFE & LOCK COMPANY, Canton, Ohio.
Filed January 3, 1923. Serial No. 174,127. PUBLISHED MAY 8, 1923.

171,872. WOMEN'S FITTED UNDERGARMENTS, INCLUDING CORSETS MADE OF TEXTILE FABRICS. THE WARNER BROTHERS COMPANY, Bridgeport, Conn.
Filed December 30, 1922. Serial No. 174,046. PUBLISHED MAY 8, 1923.

171,873. TAPPET WRENCHES FOR TIGHTENING AND LOOSENING NUTS, BOLTS, AND CAP SCREWS. BONNEY FORGE & TOOL WORKS, Philadelphia and Allentown, Pa.; Chicago, Ill., and New York, N. Y.
Filed December 30, 1922. Serial No. 173,993. PUBLISHED MAY 15, 1923.

171,874. HIGH-SCHOOL NEWSPAPER AND ANNUAL. INDEPENDENT SCHOOL DISTRICT OF NEWTON, Newton, Iowa.
Filed December 26, 1922. Serial No. 173,833. PUBLISHED MAY 8, 1923.

171,875. PLATERS' BARS, SHEET METAL, METAL RODS, AND INGOTS. THE PLATINIDE CO. INC., Providence, R. I.
Filed December 22, 1922. Serial No. 173,719. PUBLISHED MAY 8, 1923.

171,876. MEN'S, LADIES', AND CHILDREN'S HOSIERY, KNITTED UNDERWEAR, AND SWEATERS. THE A. THOMPSON CO., Amsterdam, N. Y.
Filed December 1, 1922. Serial No. 172,783. PUBLISHED MAY 22, 1923.

171,877. COMPOUND FOR CLEANING HANDS AND THE LIKE. WHITEHOUSE PRODUCTS CO., Chicago, Ill.
Filed November 29, 1922. Serial No. 172,700. PUBLISHED MAY 1, 1923.

171,878. MEN'S, LADIES', AND CHILDREN'S HOSIERY, KNITTED UNDERWEAR, AND SWEATERS. THE A. THOMPSON CO., Amsterdam, N. Y.
Filed December 1, 1922. Serial No. 172,782. PUBLISHED MAY 22, 1923.

171,879. MEN'S, LADIES', AND CHILDREN'S HOSIERY, UNDERWEAR, AND SWEATERS. THE A. THOMPSON CO., Amsterdam, N. Y.
Filed December 1, 1922. Serial No. 172,781. PUBLISHED MAY 22, 1923.

171,880. MEN'S, LADIES', AND CHILDREN'S HOSIERY, KNITTED UNDERWEAR, AND SWEATERS. THE A. THOMPSON CO., Amsterdam, N. Y.
Filed December 1, 1922. Serial No. 172,780. PUBLISHED MAY 22, 1923.

171,881. MEN'S, LADIES', AND CHILDREN'S HOSIERY, KNITTED UNDERWEAR, AND SWEATERS. THE A. THOMPSON CO., Amsterdam, N. Y.
Filed December 1, 1922. Serial No. 172,779. PUBLISHED MAY 22, 1923.

171,882. HOSIERY. EDWARD D. MERIKLE, New York, N. Y.
Filed December 1, 1922. Serial No. 172,757. PUBLISHED MAY 22, 1923.

171,883. WOMEN'S DRESSES. I. GINSBERG & BROS., New York, N. Y., assignors to Isaac Ginsberg & Brothers, Inc., New York, N. Y., a Corporation.
Filed November 29, 1922. Serial No. 172,671. PUBLISHED MAY 22, 1923.

171,884. METALLIC COMPOUNDS SUCH AS ALUMINOTHERMIC WELDING MIXTURE FOR USE IN THE PROCESS OF WELDING METALS. ALUMINO-THERMIC CORPORATION, Roselle Park, N. J.
Filed November 29, 1922. Serial No. 172,660. PUBLISHED MAY 22, 1923.

171,885. PERIODICAL MONTHLY MAGAZINE. THE MOVIE HOME JOURNAL CO., Boston, Mass.
Filed November 27, 1922. Serial No. 172,609. PUBLISHED MAY 1, 1923.

171,886. ELEVATOR-RAIL OILERS. GUSTAV M. OSTERBERG, doing business as G. M. Osterberg & Sons, New York, N. Y.
Filed November 25, 1922. Serial No. 172,551. PUBLISHED MAY 8, 1923.

171,887. WORK SHIRTS. CARTER DRY GOODS CO., Louisville, Ky.
Filed November 25, 1922. Serial No. 172,511. PUBLISHED MAY 22, 1923.

171,888. BOYS' OUTER GARMENTS CONSISTING OF COATS, TROUSERS, OVERCOATS, AND KNICKERBOCKERS. J. J. PREIS & COMPANY, New York, N. Y.
Filed November 24, 1922. Serial No. 172,400. PUBLISHED MAY 22, 1923.

171,889. MEN'S OUTER CLOTHING CONSISTING OF COATS, VESTS, TROUSERS, OVERCOATS, AND KNICKERBOCKERS. FRANKEL BROS., New York, N. Y.
Filed November 24, 1922. Serial No. 172,469. PUBLISHED MAY 22, 1923.

171,890. INSECTICIDE. J. L. HOPKINS & CO., New York, N. Y.
Filed November 22, 1922. Serial No. 172,381. PUBLISHED MAY 1, 1923.

171,891. MEN'S COLLARS. CARL SCHWARTZ, New York, N. Y.
Filed November 21, 1922. Serial No. 172,359. PUBLISHED MAY 22, 1923.

171,892. MEN'S, WOMEN'S, AND CHILDREN'S HATS AND CAPS. PERFECTION CAP COMPANY, INCORPORATED, Seattle, Wash.
Filed November 21, 1922. Serial No. 172,349. PUBLISHED MAY 1, 1923.

171,893. FLY-CHASING ATTACHMENTS IN THE FORM OF ROTARY FANS TO BE ATTACHED TO SCREEN DOORS. HERBERT PILGER, Plainview, Nebr.
Filed November 14, 1922. Serial No. 172,012. PUBLISHED MAY 15, 1923.

171,894. BOOTS AND SHOES MADE WHOLLY OR IN PART OF LEATHER. WHITMAN & KEITH CO., Brockton, Mass.
Filed November 13, 1922. Serial No. 171,974. PUBLISHED MAY 8, 1923.

171,895. SPECIAL-PROCESS METAL, AND BARS, SHEETS, STRIPS, WIRES, RODS, AND TUBES MADE FROM SUCH METAL. J. BRIGGS & SONS CO., Providence, R. I.
Filed November 11, 1922. Serial No. 171,827. PUBLISHED MAY 1, 1923.

171,896. VACUUM FEED SYSTEMS FOR MOTOR VEHICLES. BYRNE, KINGSTON & CO., Kokomo, Ind.
Filed November 8, 1922. Serial No. 171,724. PUBLISHED MAY 15, 1923.

[ACT OF MARCH 19, 1920, SEC. 1 (b)].

THESE REGISTRATIONS ARE NOT SUBJECT TO OPPOSITION.

171,897. (CLASS 42. KNITTED, NETTED AND TEXTILE FABRICS.) PHILIPSBORN'S, INC., Chicago, Ill. Filed June 4, 1923. Serial No. 181,538.

STRONGWOVE

Particular description of goods.—Serges, Satins, and Silks in the Piece.
Claims use since May 1, 1922.

171,898. (CLASS 43. THREAD AND YARN.) BARBOUR FLAX SPINNING CO., Paterson, N. J. Filed May 26, 1923. Serial No. 181,163.

COLUMBIA

Particular description of goods.—Thread.
Claims use since Apr. 23, 1898.

171,899. (CLASS 35. BELTING, HOSE, MACHINERY PACKING, AND NONMETALLIC TIRES.) JACK TIRE & RUBBER COMPANY, Spokane, Wash. Filed Apr. 24, 1923. Serial No. 179,602.

JACK TIRE & RUBBER CO.

Particular description of goods.—Pneumatic Automobile Tires and Inner Tubes.
Claims use since the 31st day of March, 1922.

171,900. (CLASS 39. CLOTHING.) SHULL-DAY COMPANY, Tacoma, Wash. Filed Apr. 10, 1923. Serial No. 178,936.



Particular description of goods.—Overalls.
Claims use since January, 1918.

171,901. (CLASS 39. CLOTHING. SHULL-DAY COMPANY, Tacoma, Wash. Filed Apr. 7, 1923. Serial No. 178,774.



Particular description of goods.—Trousers.
Claims use since Dec. 6, 1916.

171,902. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) QUAKER LACE COMPANY, Philadelphia, Pa. Filed Mar. 12, 1923. Serial No. 177,325.

FILET GRANDEE

Particular description of goods.—Lace Curtains and Nets or Curtain Lace in Piece Goods.
Claims use since Feb. 22, 1922.

171,903. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) FREDERICK LA FUER, doing business as The La Fuer Company, Detroit, Mich. Filed Feb. 28, 1923. Serial No. 176,743.

La Fuer

Particular description of goods.—Hair Restorative.
Claims use since Apr. 29, 1921.

171,904. (CLASS 39. CLOTHING.) FLORA CONRIED, New York, N. Y. Filed Mar. 5, 1923. Serial No. 176,953.

Tots Toggerie

Particular description of goods.—Children's Dresses, Hats, Coats, Sweaters, and Suits.
Claims use since Jan. 1, 1917.

171,905. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) FREEDMAN BROS., Atlantic City, N. J. Filed Feb. 12, 1923. Serial No. 175,926.

Oneida BRAND

Particular description of goods.—Butter.
Claims use since May 20, 1921.

171,906. (CLASS 39. CLOTHING.) J. D. SILBERSTEIN & SONS, INC., New York, N. Y. Filed Feb. 2, 1923. Serial No. 175,443.

J. D. S.
REGULATION
FIREMAN'S SHIRT

Particular description of goods.—Men's Work Shirts
Claims use since July 20, 1921.

171,907. (CLASS 50. MERCHANDISE NOT OTHERWISE CLASSIFIED.) CANVAS PRODUCTS COMPANY, St. Louis, Mo. Filed Jan. 2, 1923. Serial No. 174,069.

Sterling

Particular description of goods.—Tents, Tent Flies, Tarpaulins, Binder Covers, Wagon Covers, Ore Bags, and Awnings.
Claims use for not less than one year.

171,908. (CLASS 39. CLOTHING.) JOHN F. McEVOY, INC., New York, N. Y. Filed Dec. 18, 1922. Serial No. 173,519.

Barclay Brand
PERFECT FITTING

Particular description of goods.—Clerical Collars, Nightdresses, Skirts, Kimonas, Cassocks, Surplices, Albs, Chemises, Corset Waists, and Underwear Made of Knitted and Textile Fabric for Men, Women, and Children.
Claims use since Jan. 1, 1918.

171,909. (CLASS 39. CLOTHING.) AMHERST KNITTING MILLS INC., New York, N. Y. Filed Dec. 12, 1922. Serial No. 173,224.

AMHERST

Particular description of goods.—Ladies' and Children's Suits, Dresses, Coats, Capes, Sweaters, Golf Coats, Hats, Mufflers, Scarfs, Hosiery, Vests, Knickerbockers, and Bloomers and Men's Sweaters, Coats, Golf Coats, Hats, Mufflers, Scarfs, Knickerbockers, Vests, Gloves of Leather and Fabric, and Hosiery.
Claims use since Jan. 20, 1920.

171,910. (CLASS 39. CLOTHING.) AMHERST KNITTING MILLS INC., New York, N. Y. Filed Dec. 12, 1922. Serial No. 173,223.

AMHERST
SPORTWEAR

Particular description of goods.—Ladies' and Children's Suits, Dresses, Coats, Capes, Sweaters, Golf Coats, Hats, Mufflers, Scarfs, Hosiery, Vests, Knickerbockers, and Bloomers and Men's Coats, Sweaters, Golf Coats, Hats, Mufflers, Scarfs, Knickerbockers, Vests, Gloves of Leather and Fabric, and Hosiery.
Claims use since Jan. 20, 1920.

171,911. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) RICHARD HUDNUT, New York, N. Y. Filed Dec. 12, 1922. Serial No. 173,235.

ORANGE

Particular description of goods.—Rouge.
Claims use since June, 1915.

171,912. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) SHEBOYGAN DAIRY PRODUCTS CO., Sheboygan, Wis. Filed Dec. 2, 1922. Serial No. 172,849.

Veribest

Particular description of goods.—Ice Cream.
Claims use since June 1, 1911.

171,913. (CLASS 39. CLOTHING.) BAY STATE CLOTH STEAMING COMPANY, INC., Boston, Mass. Filed Nov. 29, 1922. Serial No. 172,712.

DOMISTIC
AMERICAN RAINPROOF

Particular description of goods.—Cloth Coats and Raincoats.
Claims use since Jan. 1, 1921.

171,914. (CLASS 19. VEHICLES, NOT INCLUDING ENGINES.) THE RUBAY COMPANY, Cleveland, Ohio. Filed Nov. 6, 1922. Serial No. 171,657.

THE RUBAY COMPANY LR CLEVELAND OHIO

Particular description of goods.—Gasoline Vehicles.
Claims use for not less than one year.

171,915. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) KINGS COUNTY PACKING CO., Armona, Calif. Filed Oct. 28, 1922. Serial No. 171,330.

RUGBY

Particular description of goods.—Canned Fruits.
Claims use since 1916.

171,916. (CLASS 35. BELTING, HOSE, MACHINERY PACKING, AND NONMETALLIC TIRES.) METALLO GASKET CO., New Brunswick, N. J. Filed Oct. 14, 1922. Serial No. 170,724.

METALLOCASING

Particular description of goods.—Metallic Gaskets and Metallic Packings.
Claims use since May 20, 1919.

171,917. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) GLOSSY STRAIGHT MANUFACTURING CO., Selma, Ala. Filed Oct. 11, 1922. Serial No. 170,581.

GLOSSY STRAIGHT

Particular description of goods.—Hair Dressing.
Claims use since June 22, 1922.

171,918. (CLASS 15. OILS AND GREASES.) AMERICAN OIL CORPORATION, Jackson, Mich. Filed June 29, 1923. Serial No. 182,558.



Particular description of goods.—Gasoline.
Claims use since Jan. 17, 1922.

171,919. (CLASS 44. DENTAL, MEDICAL, AND SURGICAL APPLIANCES.) RICHARD B. HANSEN, doing business as R. B. Hansen Rubber Co., Akron, Ohio. Filed June 18, 1923. Serial No. 182,146.



Particular description of goods.—Sanitary Aprons, Sanitary Belts, Sanitary Shields, Infants' Crib Sheeting of Rubber, Hot-Water Bottles, Ice Caps, Hygienic Knickers, Vaginal-Douche-Syringe Bulbs, and Surgeons' Rubber Gloves.
Claims use since May 10, 1920.

171,920. (CLASS 16. PAINTS AND PAINTERS' MATERIALS.) UNION PETROLEUM COMPANY, Philadelphia, Pa. Filed June 12, 1923. Serial No. 181,924.

FILM

Particular description of goods.—Oils Generally Used for Paint Oils or as an Ingredient of Paint Oils.
Claims use since July 26, 1911.

171,921. (CLASS 45. BEVERAGES, NONALCOHOLIC.) SOUTHERN FRUIT JULEP CO., Fort Worth, Tex. Filed May 31, 1923. Serial No. 181,421.



Particular description of goods.—Nonalcoholic, Maltless Beverage Sold as a Soft Drink and Sirup for Making Same.
Claims use since Mar. 10, 1921.

171,922. (CLASS 45. BEVERAGES, NONALCOHOLIC.) SOUTHERN FRUIT JULEP CO., Fort Worth, Tex. Filed May 31, 1923. Serial No. 181,422.



Particular description of goods.—Nonalcoholic, Maltless Beverage Sold as a Soft Drink and Sirup for Making Same.
Claims use since Dec. 13, 1920.

171,923. (CLASS 45. BEVERAGES, NONALCOHOLIC.) SOUTHERN FRUIT JULEP CO., Fort Worth, Tex. Filed May 31, 1923. Serial No. 181,420.



Particular description of goods.—Nonalcoholic, Maltless Beverages Sold as Soft Drinks and Sirups for Making the Same.
Claims use since Mar. 1, 1912.

171,924. (CLASS 45. BEVERAGES, NONALCOHOLIC.) SOUTHERN FRUIT JULEP CO., Fort Worth, Tex. Filed May 31, 1923. Serial No. 181,419.



Particular description of goods.—Nonalcoholic, Maltless Beverages Sold as Soft Drinks and Sirups for Making Same.
Claims use since July 1, 1913.

171,925. (CLASS 45. BEVERAGES, NONALCOHOLIC.) SOUTHERN FRUIT JULEP CO., Fort Worth, Tex. Filed May 31, 1923. Serial No. 181,418.



Particular description of goods.—Nonalcoholic, Maltless Beverage Sold as a Soft Drink and Sirup for Making Same.
Claims use since Dec. 13, 1920.

171,926. (CLASS 45. BEVERAGES, NONALCOHOLIC.) EMERSON DRUG CO., Baltimore, Md. Filed May 26, 1923. Serial No. 181,176.



Particular description of goods.—Nonalcoholic, Carbonated, Noncereal, Maltless Beverage Sold at Fountains and in Bottles as a Soft Drink and Sirup and Concentrates for Use in Making Said Soft Drink.
Claims use since May 10, 1922.

171,927. (CLASS 28. JEWELRY AND PRECIOUS-METAL WARE.) BARNARD HIRSCH COMPANY, San Francisco, Calif. Filed May 24, 1923. Serial No. 181,072.

RENÉE

Particular description of goods.—Pearl beads.
Claims use for not less than one year.

171,928. (CLASS 35. BELTING, HOSE, MACHINERY PACKING, AND NONMETALLIC TIRES.) THE MCLEAN TIRE AND RUBBER COMPANY, East Liverpool, Ohio. Filed May 16, 1923. Serial No. 180,711.

LIVERPOOL

Particular description of goods.—Cord and Fabric Tires.
Claims use since May 1, 1922.

171,929. (CLASS 4. ABRASIVE, DETERGENT, AND POLISHING MATERIALS.) JAMES J. BRADLEY, New York, N. Y. Filed Apr. 28, 1923. Serial No. 179,850.

London
Tub Soap

Particular description of goods.—Soap.
Claims use since September, 1916.

171,930. (CLASS 1. RAW OR PARTLY-PREPARED MATERIALS.) JOSEPH SCHLAGHECK, Toledo, Ohio. Filed Apr. 10, 1923. Serial No. 178,935.



Particular description of goods.—Canary Birds.
Claims use for not less than one year.

171,931. (CLASS 22. GAMES, TOYS, AND SPORTING GOODS.) THE BEST DUCK DECOY CO., INC., New York, N. Y. Filed Feb. 28, 1923. Serial No. 176,713.



Particular description of goods.—Duck Decoys.
Claims use since Jan. 1, 1922.

171,932. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) LA HABRA CITRUS ASSOCIATION, La Habra, Calif. Filed Feb. 26, 1923. Serial No. 176,633.

BENGAL

Particular description of goods.—Fresh Citrous Fruits.
Claims use since Sept. 1, 1917.

171,933. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) JAS. H. FORBES TEA & COFFEE CO., St. Louis, Mo. Filed Oct. 19, 1922. Serial No. 170,931.

BAG O' TEA

Particular description of goods.—Tea.
Claims use since on or about July 1, 1922.

171,934. (CLASS 32. FURNITURE AND UPHOLSTERY.) KOKOMO AUTOMOTIVE MFG. CO., Kokomo, Ind. Filed Sept. 21, 1922. Serial No. 169,763.

KOKOMO

Particular description of goods.—Furniture Mirrors.
Claims use since Mar. 1, 1922.

171,935. (CLASS 39. CLOTHING.) COLODZIN & EDLMAN, New York, N. Y. Filed Aug. 30, 1922. Serial No. 168,873.

Daby

Particular description of goods.—Hosiery; Knitted Underwear for Men, Women, and Children; Sweaters, Bathing Suits, and Knit Gloves of Cotton, Wool, and Cotton and Wool Mixed.
Claims use since August, 1918.

171,936. (CLASS 40. FANCY GOODS, FURNISHINGS, AND NOTIONS.) THE BIAS NARROW FABRIC CO., Bridgeport, Conn., and New York, N. Y. Filed Aug. 7, 1922. Serial No. 167,912.

BARTONS

Folded Double
Half the trouble

Particular description of goods.—Binding and Trimming of Textile Fabric for Articles of Wearing Apparel and Other Purposes of Like Nature.
Claims use since June 26, 1922.

171,937. (CLASS 40. FANCY GOODS, FURNISHINGS, AND NOTIONS.) MARSHALL FIELD & COMPANY, Chicago, Ill. Filed July 17, 1922. Serial No. 166,993.

TRUFOLD

Particular description of goods.—Bias-Fold Tape and Binding.
Claims use since Jan. 1, 1922.

171,938. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) S. STEIN & CO., New York, N. Y. Filed May 24, 1922. Serial No. 164,463.

Plymouth

The drawing is lined for the purpose of shading only.
Particular description of goods.—Woolen Cloths in the Piece.
Claims use since Mar. 9, 1922.

171,939. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) S. STEIN & CO., New York, N. Y. Filed May 24, 1922. Serial No. 164,461.

Lenox

The drawing is lined for the purpose of shading only.
Particular description of goods.—Woolen Cloths in the Piece.
Claims use since Mar. 9, 1922.

171,940. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) BRUNNER MANUFACTURING COMPANY, Utica, N. Y. Filed Apr. 28, 1922. Serial No. 163,031.

BRUNNER

Particular description of goods.—Small Air Compressors and Small Motor-Driven Compressor Units.
Claims use since 1917.

171,941. (CLASS 1. RAW OR PARTLY-PREPARED MATERIALS.) THE RELIANCE COAL AND COKE CO., Cincinnati, Ohio. Filed Dec. 15, 1921. Serial No. 156,753.

Battleship

Particular description of goods.—Coal.
Claims use since January, 1915.

171,942. (CLASS 13. HARDWARE AND PLUMBING AND STEAM-FITTING SUPPLIES.) THE DILL MANUFACTURING COMPANY, Cleveland, Ohio. Filed Nov. 3, 1921. Serial No. 154,968.

INSTANTON

Particular description of goods.—Caps for Inflation Valves.
Claims use since on or about May 25, 1921.

171,943. (CLASS 35. BELTING, HOSE, MACHINERY PACKING, AND NONMETALLIC TIRES.) EDMUNDS, SUNDBERG & WINDSTONE, Los Angeles, Calif. Filed Sept. 29, 1921. Serial No. 153,503.

SAV-OIL

Particular description of goods.—Piston Rings.
Claims use since Dec. 1, 1920.

171,944. (CLASS 4. ABRASIVE, DETERGENT, AND POLISHING MATERIALS.) CONSOLIDATED RENDERING CO., Boston, Mass. Filed Apr. 30, 1921. Serial No. 147,013.

PERFECTION

Particular description of goods.—Tallow for Soap Making.
Claims use since 1901.

171,945. (CLASS 31. FILTERS AND REFRIGERATORS.) BOHN REFRIGERATOR COMPANY, St. Paul, Minn. Filed May 11, 1923. Serial No. 180,465.

SIFONES-BOHN

Particular description of goods.—Refrigerators.
Claims use since on or about Jan. 1, 1901.

171,946. (CLASS 2. RECEPTACLES.) CHICAGO BRIDGE & IRON WORKS, Chicago, Ill. Filed May 4, 1923. Serial No. 180,169.

7 RING 80

Particular description of goods.—Tanks.
Claims use since Dec. 1, 1921.

171,947. (CLASS 37. PAPER AND STATIONERY.) WHITING PAPER COMPANY, Holyoke, Mass. Filed May 3, 1923. Serial No. 180,162.

ELKHORN

Particular description of goods.—Writing Paper and Mailing Envelopes and Printing Paper.
Claims use since January, 1911.

171,948. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) BERNARD WALTHER, Sturgeon Bay, Wis. Filed Apr. 28, 1923. Serial No. 179,898.

"WALTHER'S SALVE"

Particular description of goods.—Salve for Use in the Treatment of Blood Poison, Open Wounds, and Diseases of the Skin.
Claims use since March, 1918.

171,949. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) GEORGE D. HOOVER, MANUFACTURING PHARMACIST, INC., Des Moines, Iowa. Filed Apr. 25, 1923. Serial No. 179,670.

HOOVER'S
IMPROVED
ASTHMA
REMEDY

Geo. D. Hoover

Particular description of goods.—Medicinal Compound for Asthma, Bronchitis, Hay Fever, and All Bronchial Affections.
Claims use since January, 1917.

171,950. (CLASS 7. CORDAGE.) WORTENDYKE MANUFACTURING CO., Richmond, Va. Filed Mar. 24, 1923. Serial No. 178,014.

VERDEST

Particular description of goods.—Twine.
Claims use since 1906.

171,951. (CLASS 21. ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES.) JOHNS-MANVILLE, INCORPORATED, New York, N. Y. Filed Mar. 21, 1923. Serial No. 177,787.

JOHNS-MANVILLE
Ebony
ASBESTOS WOOD

Particular description of goods.—Composition for Electrical Insulation.
Claims use since Feb. 1, 1907.

171,952. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) JEAN JORDEAU INC., South Orange, N. J., and New York, N. Y. Filed Mar. 20, 1923. Serial No. 177,743.



Particular description of goods.—Preparation for the Treatment of Eyelashes.
Claims use since May, 1920.

171,953. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) LEMUEL L. ERWIN, Loco, Okla. Filed Mar. 20, 1923. Serial No. 177,728.

DR. GUNN'S

Particular description of goods.—Antiseptic.
Claims use since Apr. 1, 1915.

171,954. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) MAURICE BABANI, Paris, France. Filed Feb. 3, 1923. Serial No. 175,456.

AMBRE DE DELHI

Particular description of goods.—Perfume Extracts, Lotions, Toilet Waters, Toilet Powders, Eau De Cologne, Dentifrices, Rouges, and Rice Powder.
Claims use since 1920.

171,955. (CLASS 37. PAPER AND STATIONERY.) INGERSOLL REDIPOINT COMPANY, INC., New York, N. Y. Filed Jan. 11, 1923. Serial No. 174,453.

INGERSOLL

Particular description of goods.—Pencils, Pens, Leads, and Erasers.
Claims use since on or about Apr. 1, 1922.

171,956. (CLASS 16. PAINTS AND PAINTERS' MATERIALS.) THE SHERWIN-WILLIAMS COMPANY, Cleveland, Ohio. Filed Dec. 23, 1922. Serial No. 173,788.

Polish-ol

Particular description of goods.—A Polish for Painted, Varnished, and Enameled Surfaces, with Incidental Properties as a Cleaner.
Claims use since Apr. 15, 1909.

171,957. (CLASS 21. ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES.) J-E BATTERY CO. OF SOUTHERN CALIFORNIA, INC., Los Angeles, Calif. Filed Oct. 10, 1922. Serial No. 170,517.

JELLY

Particular description of goods.—Storage Batteries.
Claims use since Dec. 9, 1921.

171,958. (CLASS 45. BEVERAGES, NONALCOHOLIC.) HENRY H. OTTENS MFG. CO. INC., Philadelphia, Pa. Filed Sept. 16, 1922. Serial No. 169,558.

KNUT-KOLA

Particular description of goods.—Nonalcoholic, Maltless Beverages Sold as Soft Drinks and Sirups and Extracts for Making Same.
Claims use since Jan. 1, 1922.

171,959. (CLASS 21. ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES.) LINCOLN RADIO CORPORATION, Chicago, Ill. Filed July 6, 1922. Serial No. 166,544.

Lincoln

Particular description of goods.—Radio Receiving Sets.
Claims use since June 15, 1922.

171,960. (CLASS 5. ADHESIVES.) THE CANFIELD RUBBER COMPANY, Bridgeport, Conn. Filed June 15, 1922. Serial No. 165,526.

"GRIPTITE"

Particular description of goods.—Rubber Splices, Rubber Strips, and Adhesive Tape.
Claims use since about Jan. 1, 1922.

171,961. (CLASS 36. MUSICAL INSTRUMENTS AND SUPPLIES.) WILLIAM H. BICKETT, Chicago, Ill. Filed June 12, 1922. Serial No. 165,342.

INDIVIDUAL

Particular description of goods.—A Mouthpiece for Wind Instruments.
Claims use since May 10, 1922.

171,962. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) PALMER CANDY COMPANY, Sioux City, Iowa. Filed May 17, 1922. Serial No. 164,005.

GOODY NUT

Particular description of goods.—Candy.
Claims use since Jan. 15, 1922.

171,963. (CLASS 37. PAPER AND STATIONERY.) INDEX VISIBLE, INC., New Haven, Conn. Filed May 26, 1921. Serial No. 148,280.

THE INDEX VISIBLE

Particular description of goods.—Card Indexes, Index Cards, Index-Card Cases for Visible Indexes of the "Index Visible" Type; Card Tabs, Holders, Signals, and Sheaths.
Claims use since in or about June, 1913.

171,964. (CLASS 44. DENTAL, MEDICAL, AND SURGICAL APPLIANCES.) INDUSTRIAL RUBBER CORPORATION, Long Island City, N. Y. Filed July 6, 1920. Serial No. 134,589.

DR. TEPPER'S
GUM LYKE

Particular description of goods.—Dental Gum.
Claims use since Apr. 10, 1920.

171,965. (CLASS 1. RAW OR PARTLY-PREPARED MATERIALS.) MONARCH LEATHER COMPANY, Chicago, Ill. Filed Aug. 14, 1922. Serial No. 168,221.

NORSE

Particular description of goods.—Leather.
Claims use since May 26, 1922.

171,966. (CLASS 35. BELTING, HOSE, MACHINERY PACKING, AND NONMETALLIC TIRES.) SUPER SEAL PISTON RING COMPANY, Hanford, Calif. Filed Aug. 11, 1922. Serial No. 168,131.

STAR

Particular description of goods.—Piston Rings.
Claims use since June 1, 1922.

171,967. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) NATIONAL DRUG STORES CORP., New York, N. Y. Filed Jan. 4, 1922. Serial No. 157,498.

NATIONAL IVORYWHITE

Particular description of goods.—Tooth Paste.
Claims use since Oct. 17, 1921.

171,968. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) EDGAR WINGER, Cleveland, Ohio. Filed Jan. 3, 1922. Serial No. 157,468.

ALSOPURE

Particular description of goods.—Antitoxins, Antiseptics, and Antiseptic Solutions; Astringents, Diuretics; Facial Preparations, Such as Powder, Rouge, and Preparations in General for Local Application to the Face; Insecticides, Lotions for the Skin, Laxatives, Liniments for Rubbing Purposes, Ointments for Application to the Skin, Talcum Powder, Tonics Taken Internally and for Building Up the System, Preparations for the Treatment of Colds and Analogous Diseases; Preparations for Relieving Headache; Preparations for Relieving Toothache; Preparations for the Feet for Relieving Corns, Calli, Swollen, or Aching Feet, Frostbite, Chilblains and Analogous Troubles; and Preparations for Relieving Dyspepsia or Indigestion.
Claims use since Oct. 1, 1907.

171,969. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) PORTLAND WOOLEN MILLS, Portland, Oreg. Filed Feb. 21, 1921. Serial No. 143,889.



Particular description of goods.—Auto Robes, Blankets, and Goods in the Piece of All Wool, Wool and Woolen Mixed, Fabric Wool, and Cotton Fabric.

171,970. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) JONES BROTHERS LIMITED, Manchester, England. Filed July 13, 1921. Serial No. 150,317.



Particular description of goods.—Lawns, Being Cotton Piece Goods.
Claims use since Dec. 1, 1899.

LABELS

REGISTERED AUGUST 14, 1923.

26,319.—*Title:* YELLOW CAB BAR. For Candy Bars. DR. BROWN CANDY COMPANY, Fort Atkinson, Wis. Published June 4, 1923.

26,320.—*Title:* "RHOPAC" VALVE STEM ROD AND PLUNGER PACKING. For Packing. CHICAGO METALLIC PACKING CO., Chicago, Ill. Published Aug. 1, 1922.

26,321.—*Title:* "RHOPAC" PISTON HEAD PACKING FOR INSIDE PACKED TYPE PUMPS. For Packing. CHICAGO METALLIC PACKING CO., Chicago, Ill. Published Aug. 1, 1922.

26,322.—*Title:* IT TAKES 'EM OFF, DAWES IDEAL CORN REMOVER. For Corn Remover. JOHN C. DAWES, Irvington, N. J. Published June 8, 1923.

26,323.—*Title:* KLANSMAN CIGAR. For Cigars. LUKE WILLIAM DUNN, Dallas, Tex. Published May 24, 1923.

26,324.—*Title:* ALDEA. For Cigars, Cigarettes, and Tobacco. JACOB EPSTEIN, Brooklyn, N. Y. Published July 6, 1923.

26,325.—*Title:* KNICKER BOSTON GARTER. For Cards Containing Men's Garters. GEORGE FROST COMPANY, Boston, Mass. Published May 17, 1923.

26,326.—*Title:* CALIFORNIA CANTALOUPE CONFECTION. For a Confection Having Cantaloupes as Its Base or Main Ingredient. ETHEL B. HUTCHISON, Delano, Calif. Published June 1, 1923.

26,327.—*Title:* KELLOGG'S BRAN, COOKED AND KRUMBLED. For Cereal Breakfast Food. KELLOGG COMPANY, Battle Creek, Mich. Published March 1, 1923.

26,328.—*Title:* JAP ROSE. For Soap. JAMES S. KIRK & COMPANY, Chicago, Ill. Published February 13, 1923.

26,329.—*Title:* LIONEL ELECTRIC TOY TRAINS. For Electric Toy Trains. THE LIONEL CORPORATION, New York, N. Y. Published April 30, 1922.

26,330.—*Title:* MOYER BROS. For Pretzels. MOYER BROS., Chicago, Ill. Published June 18, 1923.

26,331.—*Title:* BUCKEYE BRAND APPLES. For Apples. OHIO FRUIT GROWERS COOPERATIVE ASSOCIATION, Columbus, Ohio. Published July 14, 1922.

26,332.—*Title:* BUCKEYE BRAND PEACHES. For Peaches. OHIO FRUIT GROWERS COOPERATIVE ASSOCIATION, Columbus, Ohio. Published July 14, 1922.

26,333.—*Title:* RED MILL. For Hosiery. RED MILL HOSIERY CO. INC., Wilmington, Del. Published July 12, 1923.

26,334.—*Title:* RED MILL. For Hosiery. RED MILL HOSIERY CO. INC., Wilmington, Del. Published July 12, 1923.

26,335.—*Title:* UNITED STATES BLOTTING. For Blotting Paper. STANDARD PAPER MANUFACTURING CO., Richmond, Va. Published May 20, 1923.

26,336.—*Title:* THE IDEAL TIP MATCH. For Matches. W. E. STANDLEY, doing business as W. E. Standley Co., Pittsburgh, Pa. Published May 23, 1923.

PRINTS

REGISTERED AUGUST 14, 1923.

6,857.—*Title:* MOTHERS GIVE FATHER JOHN'S MEDICINE. For Father John's Medicine. CARLETON & HOVEY COMPANY, Lowell, Mass. Published April 30, 1921.

6,858.—*Title:* SHOW GIRL. For Cigars. HAAS BROS., Cincinnati, Ohio. Published May 1, 1923.

6,859.—*Title:* THE SUIT THAT CHANGED BATHING TO SWIMMING. For Swimming Suit. JANTZEN KNITTING MILLS, Portland, Oreg. Published June 30, 1923.

6,860.—*Title:* THE FABRIC'S THE THING. For Woolen and Worsted Piece Goods for Men's Wear Only. CYRIL JOHNSON WOOLEN CO., Stafford Springs, Conn. Published June 28, 1923.

6,861.—*Title:*—THE CHOICE OF A MILLION AMERICAN HOUSEWIVES. For Fruits and Vegetables. KING'S FOOD PRODUCTS COMPANY, Portland, Oreg. Published October 15, 1922.

6,862.—*Title:* NO MORE SPILT MILK. For a Nipple Applicator. THE MILLER RUBBER COMPANY, Akron, Ohio. Published May 14, 1923.

6,863.—*Title:* KEEPS THE CLOTHES DRY. For a Nursery Apron. THE MILLER RUBBER COMPANY, Akron, Ohio. Published May 14, 1923.

6,864.—*Title:* MILLER BABY WEEK. For Nipple Applicator and Breast Nipples. THE MILLER RUBBER COMPANY, Akron, Ohio. Published May 14, 1923.

6,865.—*Title:* BABY'S COMFORT. For a Baby Comfort Kit. THE MILLER RUBBER COMPANY, Akron, Ohio. Published May 14, 1923.

6,866.—*Title:* BABY'S BATH. For a Rubber Sponge. THE MILLER RUBBER COMPANY, Akron, Ohio. Published May 14, 1923.

6,867.—*Title:* NOTHING COMES OUT. For Baby Pants. THE MILLER RUBBER COMPANY, Akron, Ohio. Published May 14, 1923.

6,868.—*Title:* NESTLÉ'S EVERY DAY MILK. For Evaporated Milk. NESTLÉ'S FOOD COMPANY, INC., New York, N. Y. Published May 14, 1923.

6,869.—*Title:* PRATTLOW PRODUCTS PLEASE PARTICULAR PEOPLE. For Canned Fruits and Vegetables. PRATT-LOW PRESERVING CO., Santa Clara, Calif. Published June 8, 1923.

6,870.—*Title:* THE IMPORTANCE OF ONE SHORT WORD! For Drugs. E. R. SQUIBB & SONS, New York, N. Y. Published June 1, 1923.

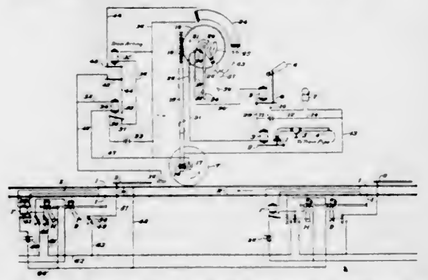
6,871.—*Title:* THE STORY TIME WILL TELL. For Cold Cream. E. R. SQUIBB & SONS, New York, N. Y. Published July 1, 1923.

6,872.—*Title:* ARE YOU BUYING YOUR MEDICINE CABINET REQUISITES "IN THE DARK"? For Drugs. E. R. SQUIBB & SONS, New York, N. Y. Published June 30, 1923.

REISSUES.

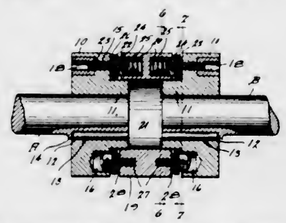
AUGUST 14, 1923.

15,671. TRAFFIC-CONTROLLING SYSTEM. ALBERT V. T. DAY, Rye, N. Y., assignor to The Union Switch and Signal Company, Swissvale, Pa., a Corporation of Pennsylvania. Filed Feb. 6, 1923. Serial No. 617,395. Original patent a continuation of application Serial No. 637,774, filed July 10, 1911. Original No. 1,308,401, dated July 1, 1919, Serial No. 638,229, filed July 12, 1911. 11 Claims. (Cl. 246—49.)



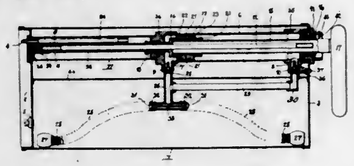
10. In combination, a railway vehicle, means on the vehicle adapted to be driven constantly toward an ultimate condition, a warning signal and a controlling device on the vehicle controlled successively by said means upon reaching said ultimate condition, together with devices located in the trackway and responsive to clear track conditions ahead for causing said means to be restored away from said ultimate condition.

15,672. FLEXIBLE SHAFT COUPLING. MILLWARD T. THOMAS, Troy, Pa., assignor to Thomas Flexible Coupling Company, Erie, Pa., a Corporation of Pennsylvania. Filed Jan. 6, 1917. Serial No. 140,874. Original No. 1,188,113, dated June 20, 1916, Serial No. 79,375, filed Feb. 19, 1916. 19 Claims. (Cl. 64—96.)



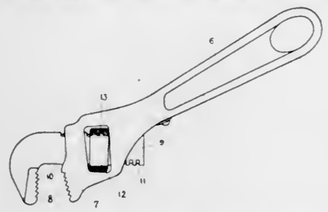
3. In a flexible shaft coupling, the combination with shaft sections to be connected, of heads secured upon said shaft sections in opposing relation and provided with reduced extensions at their opposing faces, a tubular coupling member between and in spaced relation to the said opposing heads and into the bore of which the said head extensions loosely project, laminated flexible rings disposed in the spaces between the said shaft heads and the said coupling member and surrounding the extensions of the heads in spaced relation thereto and to the coupling member, connecting members for securing the said rings in spaced relation to the shaft heads and the coupling member extending around each ring, the connecting members of the head and those of the coupling member being in alternating relation and tubular nuts having bearings in the shaft heads and engaging certain of the said connecting members.

15,673. FIRE EXTINGUISHER. GEORGE T. PEARSONS, New York, N. Y. Filed Feb. 4, 1922. Serial No. 534,270. Original No. 1,381,657, dated June 14, 1921, Serial No. 106,322, filed June 28, 1916. 27 Claims. (Cl. 299—98.)



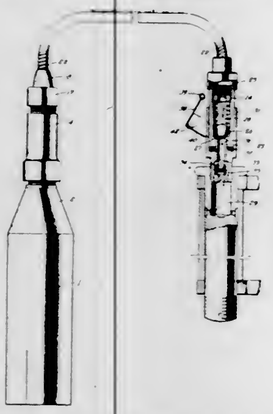
1. In a syringe, the combination with a reservoir having an outlet, of a piston chamber; a piston to reciprocate in said chamber; a tube reciprocable with the piston to connect the piston chamber with the outlet of the reservoir; and a valve to cooperate with the outlet end of said tube when the piston is in its innermost position, substantially as and for the purpose specified.

15,674. PIPE WRENCH. GOTTFRID C. LAWSON, Cleveland, Ohio. Filed Dec. 13, 1922. Serial No. 606,737. Original No. 1,362,014, dated Dec. 14, 1920, Serial No. 380,101, filed May 10, 1920. 5 Claims. (Cl. 81—101.)



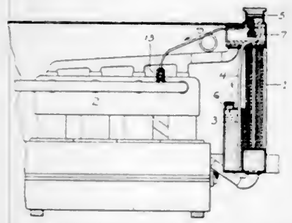
3. A wrench comprising a handle having a grip portion and a projection extending laterally from one end thereof, a surface constituting a fixed jaw formed on the said projection and inclined at an obtuse angle to the longitudinal axis of the grip portion, the handle having a lengthwise slot extending transversely thereof between the grip portion and the fixed jaw at an angle of less than about 30° to the longitudinal axis of the grip portion, the said slot being constricted intermediate its ends by having pairs of inwardly converging side walls lying in the plane of the fixed jaw, each wall of one pair of said side walls being substantially parallel with the oppositely disposed wall of the other pair of side walls, the handle having a cross slot intersecting the said lengthwise slot and extending therebeyond on the side adjacent the said fixed jaw, the forward wall of the said cross slot diverging uniformly with respect to the rearward wall from its end adjacent the fixed jaw to the remote end thereof, a movable jaw comprising a jaw surface and a rack bearing shank at substantially right angles thereto, the said shank having close fitting engagement in the constricted part of the said lengthwise slot, a nut on the said shank in pivotal engagement with the extreme end of the forward wall of the cross slot adjacent the said fixed jaw, and spring means contacting with the shank to separate the said jaws and press the nut into the aforesaid pivotal engagement with the forward wall of the cross slot.

15,675. LUBRICATING SYSTEM. BERNARD H. SKELLY, Bridgeport, Conn., assignor to The Bassick Manufacturing Company, Chicago, Ill., a Corporation of Delaware. Filed Mar. 20, 1923. Serial No. 626,422. Original No. 1,372,565, dated Mar. 22, 1921, Serial No. 423,086, filed Nov. 10, 1920. 9 Claims. (Cl. 184—105.)



8. In combination with an element to be lubricated, a lubricant reservoir, a conduit extending from said reservoir, a valve for controlling the flow of lubricant through said conduit, means for automatically forcing lubricant through said conduit when said valve is open, means for forming a manually maintained and separable joint between said conduit and said element to be lubricated, comprising means for effecting the opening of said valve, when, and only so long as, the joint remains closed under the action of manual pressure exerted toward the element to be lubricated.

15,676. RADIATOR. ELLING O. WEEKS, Chicago, Ill., assignor of one-half to John A. Stransky, Chicago, Ill. Filed May 15, 1920. Serial No. 381,749. Original No. 1,337,576, dated Apr. 20, 1920, Serial No. 278,612, filed Feb. 24, 1919. 7 Claims. (Cl. 123—25.)

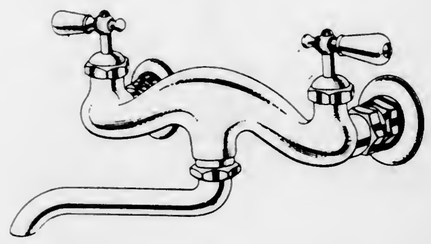


1. A device of the class described, comprising an airtight radiator, a tank, a pipe connecting the radiator with the tank, means for creating a vacuum in said radiator, and means for automatically breaking said vacuum when the water reaches a certain point in the radiator.

DESIGNS.

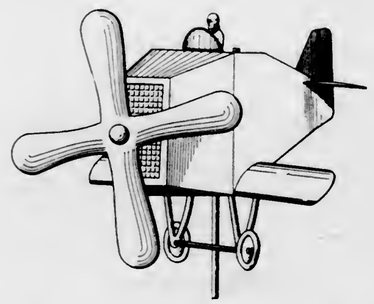
AUGUST 14, 1923.

62,864. COMBINED SINK BIBB. OSCAR P. BENJAMIN, Detroit, Mich., assignor to Capital Brass Works, Detroit, Mich., a Corporation of Michigan. Filed Mar. 20, 1922. Serial No. 1,252. Term of patent 14 years.



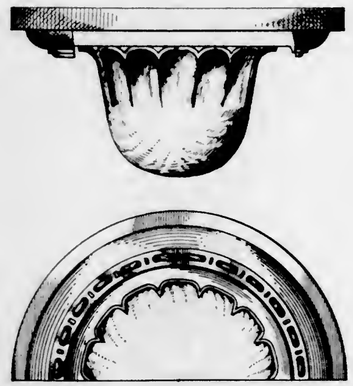
The ornamental design for a combined sink bibb, as shown.

62,865. ADVERTISING DEVICE. WILLIAM P. HARTSOCK, Dayton, Ohio. Filed Apr. 28, 1922. Serial No. 2,010. Term of patent 14 years.



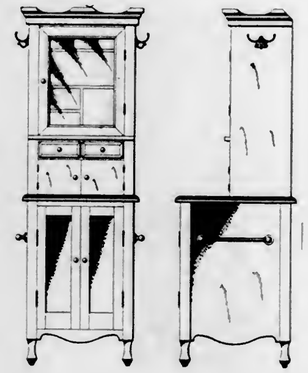
The ornamental design for an advertising device, as shown.

62,866. CHANDELIER. JULIUS PANKRATZ, Richmond Hill, N. Y. Filed Jan. 17, 1921. Serial No. 438,022. Term of patent 7 years.



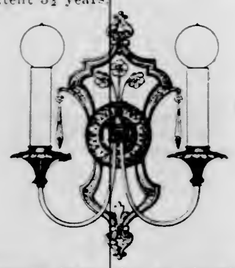
The ornamental design for a chandelier, as shown.

62,867. CABINET. JOSEPH F. KUKLINSKI, Milwaukee, Wis. Filed Jan. 10, 1922. Serial No. 159. Term of patent 3½ years.



The ornamental design for a cabinet, as shown.

62,868. ELECTRIC-CANDLE WALL BRACKET. FREDERICK MAX PORITZ, New York, N. Y., assignor to Star Chandelier Company, New York, N. Y., a Corporation of New York. Filed Oct. 21, 1922. Serial No. 4,048. Term of patent 3½ years.



The ornamental design for an electric candle wall bracket, as shown.

62,869. ELECTRIC WALL-BRACKET PLATE. FREDERICK MAX PORITZ, New York, N. Y., assignor to Star Chandelier Company, New York, N. Y., a Corporation of New York. Filed Nov. 1, 1922. Serial No. 4,184. Term of patent 3½ years.



The ornamental design for an electric wall bracket plate, as shown.

62,870. COMBINED LAMP AND BOOK END. ELIZABETH SIMMONS, St. Louis, Mo. Filed Oct. 30, 1922. Serial No. 4,164. Term of patent 3½ years.



The ornamental design for a combined lamp and book end, as shown.

62,871. LOOP FOR A LIGHTING FIXTURE. HARRY TEPFER, New York, N. Y. Filed Nov. 26, 1922. Serial No. 4,427. Term of patent 3½ years.



The ornamental design for a loop for a lighting fixture, as shown.

62,872. ARM FOR A LIGHTING FIXTURE. HARRY TEPFER, New York, N. Y. Filed Nov. 28, 1922. Serial No. 4,428. Term of patent 3½ years.



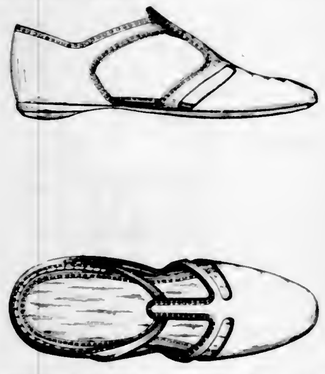
The ornamental design for an arm for a lighting fixture, as shown.

62,873. ARM FOR A LIGHTING FIXTURE. HARRY TEPFER, New York, N. Y. Filed Nov. 28, 1922. Serial No. 4,429. Term of patent 3½ years.



The ornamental design for an arm for a lighting fixture, as shown.

62,874. LADY'S FELT SLIPPER. HEIMI WEISINGER, New York, N. Y. Filed July 3, 1923. Serial No. 6,666. Term of patent 3½ years.

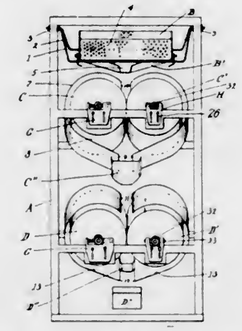


The ornamental design for a lady's felt slipper, as shown.

PATENTS

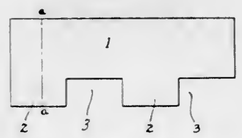
GRANTED AUGUST 14, 1923.

1,464,491. GRAIN SEPARATOR. EDWARD ANDERSON, Minneapolis, Minn. Filed Mar. 16, 1921. Serial No. 452,835. 7 Claims. (Cl. 130—18.)



1. In a machine for separating kernels, a pair of rotatable cylinders in longitudinal peripheral contacting relation and provided with peripheral indents, each indent formed with an undercut kernal-supporting seat, the indents of one cylinder opposing and cooperating with those of the companion cylinder to form composite kernel-receiving pockets, the undercut of each indent extending downwardly from the peripheral line of contact between the cylinders.

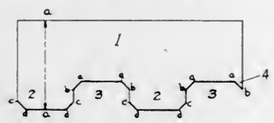
1,464,492. STRIP SHINGLE. LEON BUSHA, Minneapolis, Minn. Continuation of application Serial No. 374,208, filed Apr. 15, 1920. This application filed Feb. 10, 1923. Serial No. 618,283. 4 Claims. (Cl. 108—8.)



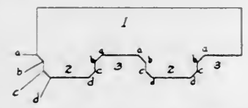
3. A slab or strip shingle, rectangular in form, with rectangular butts projecting from the lower side of said shingle, said butts being of equal width and separated by rectangular spaces of a width equal to that of each butt; said shingle being so proportioned that the distance from the tip or lower side of each butt to the top of the shingle shall be a distance equal to more than three times the length of projection of the said butt from the main body of the said shingle, substantially as described.

1,464,493. STRIP SHINGLE. LEON BUSHA, Minneapolis, Minn. Filed Feb. 10, 1923. Serial No. 618,284. 3 Claims. (Cl. 108—8.)

1. A strip shingle comprising a body portion having a plurality of separated butts projecting from one edge thereof, the butts being connected with the body portion at their bases by inclined lines and the size and contour of each butt corresponding to the size and contour of the adjoining separating space, whereby a pair of strip shingles may be cut from a rectangular sheet of material without waste, the edge of one butt coinciding with one end of the body portion, and a fractional butt projecting from the body at its other end with its edge in line therewith.

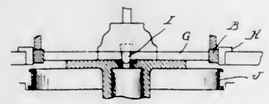


1,464,494. STRIP SHINGLE. LEON BUSHA, Minneapolis, Minn. Filed Mar. 17, 1923. Serial No. 625,847. 3 Claims. (Cl. 108—7.)



1. A strip shingle comprising a body portion having a plurality of separated butts projecting from one edge thereof, the butts being connected with the body portion, at their bases, by inclined lines, and the size and contour of each butt corresponding to the size and contour of the adjoining separating space, whereby a pair of strip shingles may be cut from a rectangular sheet of material, the end of the inclined line at the base of one butt meeting the end line of the body portion at that end of the shingle.

1,464,495. METHOD OF FORMING VEHICLE WHEELS. WILLIAM N. BOOTH, Detroit, Mich. Filed Apr. 15, 1918. Serial No. 228,688. 7 Claims. (Cl. 157—1.)

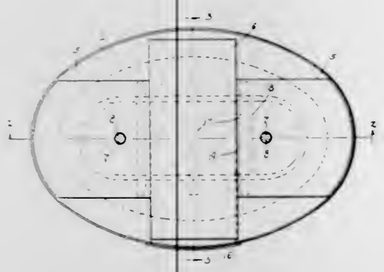


1. The method of forming spoked wheels, comprising the assembling of a plurality of complementary spoked felly sections of exactly predetermined length of arc, compressing said sections circumferentially against an opposing pressure at the inner ends of the spokes, conforming the outer surface of the felly to a true circle of exactly predetermined diameter, and engaging the sections with a circular retaining rim or band of corresponding diameter.

1,464,496. ELECTRIC FURNACE. CHARLES A. CADWELL, Cleveland, Ohio, assignor to The Electric Railway Improvement Company, Cleveland, Ohio, a Corporation of Ohio. Filed Apr. 29, 1920. Serial No. 377,431. 6 Claims. (Cl. 204—64.)

4. In an electric furnace, the combination of an elongate furnace chamber; electrodes extending downwardly

into such chamber one at each end; a resistor within said chamber lying on the floor thereof between said electrodes; and a muffle chamber supported at its ends in the respective side walls of said furnace chamber so



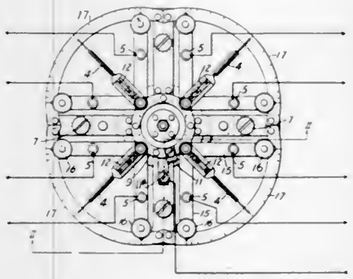
as to lie over said resistor and between said electrodes, said muffle chamber being composed of a plurality of carbon rods plastered over with a layer of suitable heat-resistant material.

1,464,497. GAS SOLDERING IRON. CHARLES M. CARNELLI, New York, N. Y. Filed Mar. 23, 1921. Serial No. 454,794. Renewed Jan. 10, 1923. 10 Claims. (Cl. 158—26.)



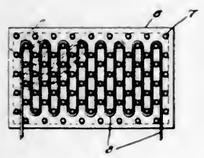
1. A gas soldering iron comprising a hollow soldering tip having a plurality of openings, a casing with apertures therein, a mixing chamber and jet member within said casing, and a handle consisting of two tubular members with an air space between them, said casing being mounted on one of said members, and means for connecting a source of fuel supply to the other of said members, said jet mounted at the inner end of the last mentioned member, and the orifice through it being much smaller than the opening in the fuel supply member, substantially as described.

1,464,498. THERMAL RELAY. ORA A. COLBY, Larimer, Pa., assignor to Westinghouse Electric & Manufacturing Company, a Corporation of Pennsylvania. Filed Dec. 31, 1918. Serial No. 269,093. 9 Claims. (Cl. 200—122.)



2. A thermal relay comprising a pivotally mounted member, a bimetallic member for actuating the same, a plurality of relatively movable contact members mounted thereon and adjustable stationary contact members therefor.

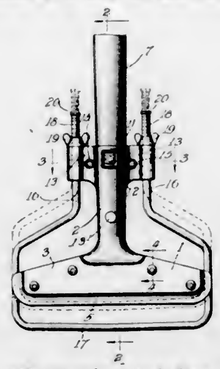
1,464,499. ELECTRIC-FURNACE-RESISTOR MOUNTING. ORA A. COLBY, Irwin, and THOMAS A. REID, Pittsburgh, Pa., assignors to Westinghouse Electric and Manufacturing Company, a Corporation of Pennsylvania. Filed Mar. 5, 1921. Serial No. 449,685. 21 Claims. (Cl. 204—64.)



3. In an electric furnace the combination with a furnace chamber and a resistor for said chamber, of a resistor-supporting means in said chamber comprising a refractory member having a plurality of rows of integral projections on one surface thereof, said projections being so arranged on said member as to permit of locating the resistor in either lateral or longitudinal extension on said member.

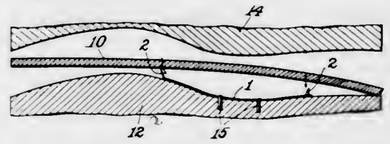
1,464,500. MOP HOLDER. WILLIAM J. DENNIS, Chicago, Ill. Filed Apr. 26, 1922. Serial No. 556,603. 3 Claims. (Cl. 15—153.)

1. A mop holder comprising a T shaped member having a groove along its top edge and adapted to have a mop handle secured to its shank portion, and also provided with lateral extensions integral with said shank portion and spaced from said top portion, a U-shaped spring wire member adapted to lie in said groove, the free ends of its legs being threaded and freely slidably insertable through said lateral extensions, and nuts separately engageable with each of said threaded ends to



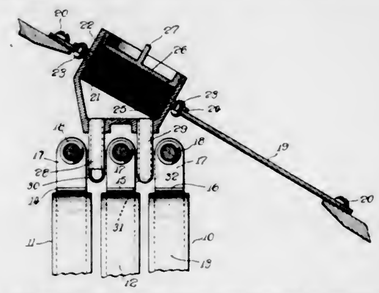
abut against said extensions and draw said U-shaped member toward the other member and clamp a mop between it and said groove.

1,464,501. MOLDING APPARATUS. KARL ENGEL, Arlington, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J., a Corporation of New Jersey. Original application filed Feb. 4, 1918, Serial No. 215,339, now Patent No. 1,281,540, dated Oct. 15, 1918. Divided and this application filed Oct. 14, 1918, Serial No. 257,954. Renewed Nov. 21, 1922. 5 Claims. (Cl. 12—21.)



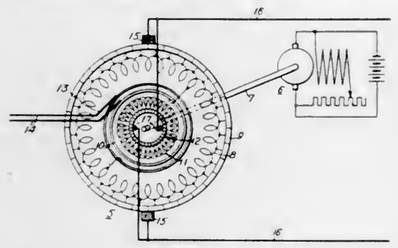
1. A mold having a surface shaped transversely and longitudinally to the desired curvature of the outsole of a finished shoe, and having means to engage a shank stiffener and hold it in predetermined relation to the curvature of said surface.

1,464,502. TRANSMISSION-GREASING APPLIANCE. ARTHUR J. EVERS, Chicago, Ill., assignor to Evers-Sauvage Company, Chicago, Ill., a Corporation of Illinois. Filed Apr. 1, 1921. Serial No. 457,613. 12 Claims. (Cl. 188—264.)



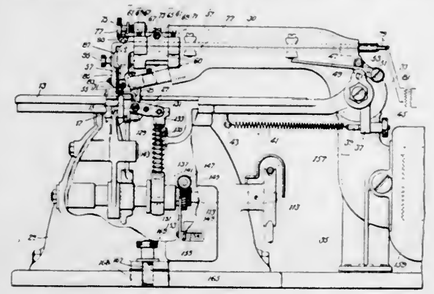
3. An article of manufacture, comprising in combination, a cover for the planetary gear transmission casing of a motor vehicle, and means on said cover to permit the manual intermittent delivery of grease to one or more of the contractible or expansible bands encircling the drums of said transmission mechanism.

1,464,503. FREQUENCY CHANGER. CHARLES LE G. FORTESCUE, Pittsburgh, Pa., assignor to Westinghouse Electric & Manufacturing Company, a Corporation of Pennsylvania. Filed Sept. 19, 1919. Serial No. 324,825. 11 Claims. (Cl. 171—228.)



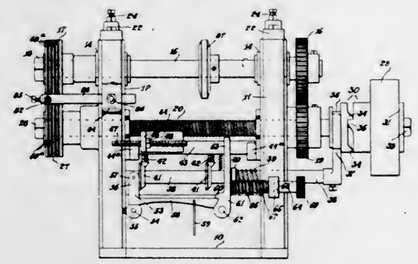
1. The combination with a frequency-changer of the commutator type, of armature means including brushes in electrical quadrature with the main brushes for producing such commutating field therein as to substantially neutralize the electromotive force in the short-circuited armature coils undergoing commutation.

1,464,504. EDGE-FINISHING MACHINE. JOSEPH FOSSA, Danvers, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J., a Corporation of New Jersey. Filed Jan. 21, 1922. Serial No. 530,972. 34 Claims. (Cl. 69—1.)



2. A machine for finishing the edge of a piece of stock having, in combination, a support for the stock, means for applying heat to the margin of the stock on one side to cause the edge of the stock to curl, and means for hammering the curled edge.

1,464,505. WIRE-BENDING MACHINE. GIACOMO FUMAGALLI, PAOLO CARDONE, and CARMINE SURICO, New York, N. Y. Filed Nov. 2, 1921. Serial No. 512,179. 11 Claims. (Cl. 140—126.)



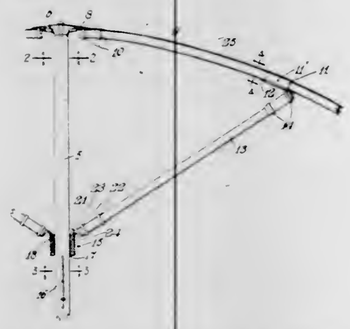
1. In a wire bending device, the combination with the feed rollers and clutch therefor, of stop mechanism com-

prising a longitudinally movable carriage provided with an adjustable stop rod disposed axially thereof, and a trip mechanism in the path of said rod and adapted to actuate said clutch.

1,464,506. ELECTROLYTIC PROCESS. JAMES S. GROFF, Newport, R. I. Original application filed Aug. 18, 1920, Serial No. 404,475. Divided and this application filed Nov. 16, 1921. Serial No. 515,576. 6 Claims. (Cl. 204—1.)

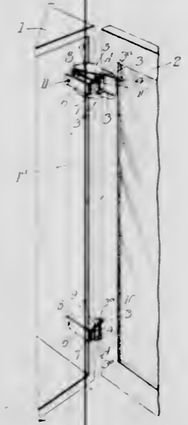
1. The method of lining a torpedo flask or the like, consisting in gradually electrolytically depositing on it as a cathode a thin dense leaden coating internally thereof from an electrolyte from a lead salt of hydrofluosilicic acid contained within the flask.

1,464,507. UMBRELLA. JAMES REID, New York, N. Y. Filed Aug. 24, 1922. Serial No. 583,963. 14 Claims. (Cl. 135—129.)



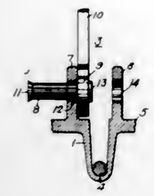
1. An umbrella comprising a stick, a plurality of ribs, flexible elements hingedly connecting said ribs to said stick, retaining elements connecting said flexible elements with said ribs, and means for anchoring said flexible elements to said stick.

1,464,508. DETACHABLE BOX COVER. FERDINANDO G. SALERNO, Chicago, Ill. Filed June 30, 1922. Serial No. 572,011. 9 Claims. (Cl. 217—57.)



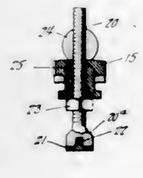
1. A closure for open-side boxes and the like comprising a cover equipped with hinges having a pintle hinge element secured to the cover and the other element formed of a strip of sheet metal having parallel engaging sides and a roll arranged to pivotally engage said pintle.

1,464,509. TROLLEY FROG. WILLIAM SCHAAKE, Pittsburgh, and FREDERICK H. MILLER, Wilkinsburg, Pa., assignors to Westinghouse Electric & Manufacturing Company, a Corporation of Pennsylania. Filed July 30, 1920. Serial No. 400,120. 14 Claims. (Cl. 191—40.)



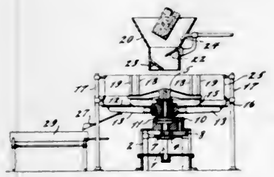
2. A trolley-conductor-supporting device comprising a pivoted clamp permanently mounted thereon and movable in the direction of its pivot axis.

1,464,510. ELECTROLYTE-LEVEL INDICATOR. RAY SIMPSON, Oak Park, Ill., assignor to Jewell Electrical Instrument Company, Chicago, Ill., a Corporation of Illinois. Filed Oct. 24, 1921. Serial No. 510,124. 3 Claims. (Cl. 200—152.)



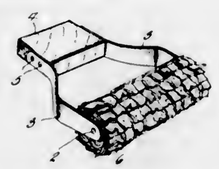
3. The combination with a removable cap for closing an opening in a cell of a storage battery, of an electrode comprising a stem which extends through an opening in said cap, said stem having secured thereto at its lower end a shoe of insulating material adapted to rest upon a battery plate, or plates, and to insulate the stem from said plate or plates.

1,464,511. METHOD OF AND APPARATUS FOR SEPARATING DATES. ALEXANDER W. STOTT, Brooklyn, N. Y., assignor to The Hills Brothers Company, Inc., a Corporation of New York. Filed Jan. 3, 1922. Serial No. 526,469. 18 Claims. (Cl. 146—14.)



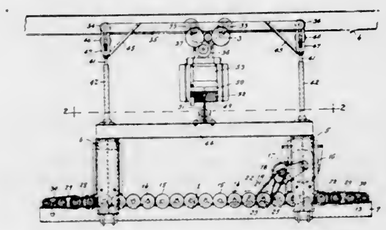
1. The method of separating a mass of adhering fruit cemented together by their exuded sugars consisting in impelling the fruit against separating barriers properly spaced to permit only small units to pass through and imparting sufficient momentum to the fruit to effect its passage between the barriers.

1,464,512. DECORATING ROLL. MAX SUHR, West Palm Beach, Fla. Filed Dec. 21, 1922. Serial No. 608,210. 7 Claims. (Cl. 101—375.)



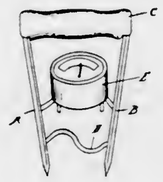
1. A device of the character described embodying a foundation of absorbent material, and a covering of semi-absorbent material thereon with the latter unconfined at the periphery of the device.

1,464,513. SHEET-HANDLING DEVICE. DANIEL M. SUTHERLAND, Jr., Trenton, N. J., assignor to The Agasote Millboard Co., Ewing Township, N. J., a Corporation of New Jersey. Filed Oct. 31, 1919. Serial No. 334,749. 7 Claims. (Cl. 271—81.)



1. In an apparatus of the character described, the combination with a carrier table having a plurality of rolls closely spaced to support a sheet of material and means for driving said rolls, of means for moving said carrier in directions transverse to the axes of said rolls at a speed corresponding to the peripheral speed of the rolls while the rolls are rotatably driven.

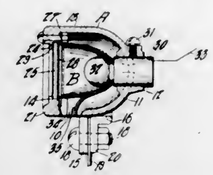
1,464,514. BATTERY-TESTING INSTRUMENT. CHARLES W. TERRY, Detroit, Mich., assignor to Service Station Supply Company, Detroit, Mich., a Corporation of Michigan. Filed Oct. 31, 1919. Serial No. 334,698. 6 Claims. (Cl. 175—183.)



1. A battery tester, comprising a pair of prods in fixed relation to each other, a handle to which said prods are attached, and a resistor and voltmeter mounted between said prods.

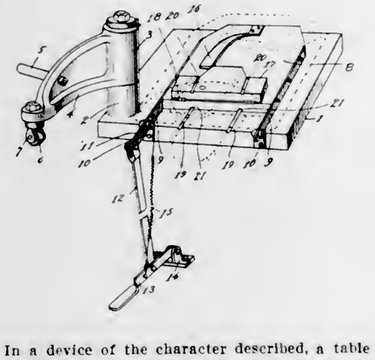
1,464,515. DISPLAY APPARATUS. JOSEPH C. THOMAS, Akron, Ohio. Filed Nov. 13, 1922. Serial No. 600,618. 3 Claims (Cl. 40—132.)

2. In combination, a bracket adapted to be secured to a support, a sign secured to said bracket, said bracket being provided with a shoulder along its upper edge, a display apparatus resting on said shoulder and having lugs extending downward and bearing against said bracket,



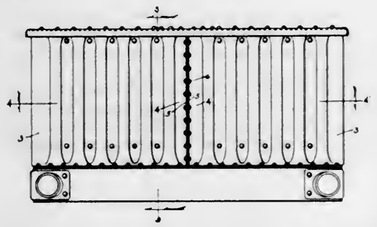
bolts passing through said lugs and said sign and said bracket, and means for displaying symbols and signals from said apparatus and for illuminating said sign.

1,464,516. BAG-HANDLE-ATTACHING DEVICE. JACOB VANDENBERG, Wyoming, Ohio, assignor to The Security Bag Company, Cincinnati, Ohio, a Corporation of Ohio. Filed Sept. 18, 1922. Serial No. 588,877. 8 Claims. (Cl. 93—8.)



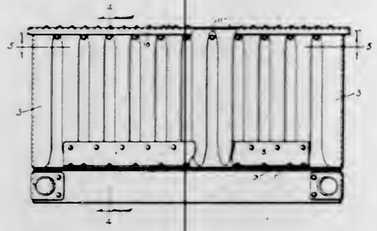
1. In a device of the character described, a table having interspaced grooves to register with the ends of a string handle, a bag expanding shoe mounted on the table and adapted to hold a bag with interspaced holes in said bag in registry with said grooves, and a presser device adapted to apply pressure against the inner surface of the bag.

1,464,517. CORRUGATED STEEL END FOR GONDOLA CARS. WILLIAM E. VAN DORN, Chicago, Ill. Filed Mar. 9, 1921. Serial No. 450,993. 10 Claims. (Cl. 105—406.)



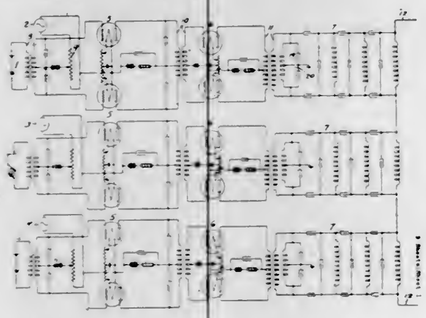
3. A sheet metal car end having vertical flat portions establishing the normal plane of the sheet and parallel corrugations each comprising two straight sections lying one above the other and arranged end to end, the meeting ends of the sections of each corrugation being located on the outer side of said plane and the other ends being located on the inner side of said plane.

1,464,518. STEEL END FOR GONDOLA CARS. WILLIAM E. VAN DORN, Chicago, Ill. Filed Mar. 9, 1921. Serial No. 450,994. 17 Claims. (Cl. 105—406.)



3. A sheet metal car end having flat portions lying in a vertical plane establishing the plane of the sheet, and straight parallel corrugations extending downwardly from points on the inner side of said plane near the top of said end to points on the outer side of said plane near the bottom of said end.

1,464,519. SIGNALING SYSTEM. HARALD J. VENNES, New York, N. Y., assignor to Western Electric Company, Incorporated, New York, N. Y., a Corporation of New York. Filed July 16, 1918. Serial No. 245,134. 12 Claims. (Cl. 179—15.)



1. A line, and a plurality of wave filters connected in series in said line, each of said wave filters comprising an end section grounded at its mid-point.

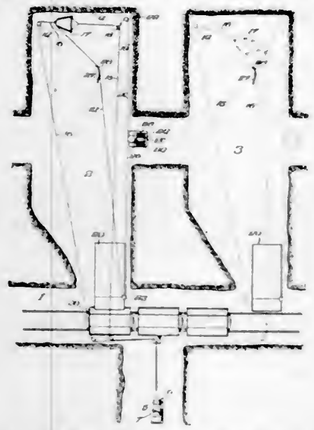
1,464,520. FLAVORING AGENT FOR BEVERAGES. LOUIS ANTON VON HORST, Coburg, Germany. Filed Oct. 6, 1922. Serial No. 592,918. 2 Claims. (Cl. 99—11.)

1. A flavoring agent including hops free of lupuline, and lupuline derived from hops, both the hops and the lupuline being substantially free from oil and the principal part of the soft resin originally contained in the hops and lupuline.

2. A method of producing a flavoring agent, comprising extracting lupuline from hops, treating both the lupuline and hops with ether to extract therefrom oil and the greater part of the soft resin therein, and combining the hops and lupuline after such treatment.

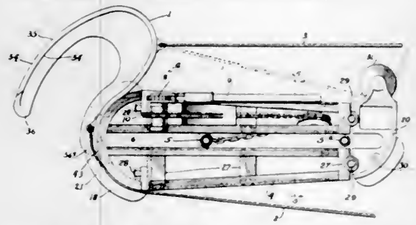
1,464,521. APPARATUS FOR HANDLING LOOSE MATERIAL. CHARLES E. DAVIS, Chicago, Ill., assignor to Goodman Manufacturing Co., Chicago, Ill., a Corporation of Illinois. Filed Apr. 7, 1919. Serial No. 288,089. 15 Claims. (Cl. 37—115.)

1. A device for handling loose material comprising a scraper, a head line connected therewith, a tail line connected with said scraper, means for exerting a pull upon said head and tail lines to move said scraper reciprocably, a direction changing device for the tail line, a movable direction changing device engaging the head line for changing the direction of movement of the



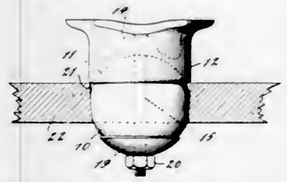
scraper and movable with the latter during a portion of its reciprocable movement, and a controlling mechanism for said movable direction changing device.

1,464,522. APPARATUS FOR HANDLING ORE AND THE LIKE. CHARLES E. DAVIS, Chicago, Ill., assignor to Goodman Manufacturing Company, Chicago, Ill., a Corporation of Illinois. Filed Apr. 13, 1921. Serial No. 460,865. 7 Claims. (Cl. 37—115.)



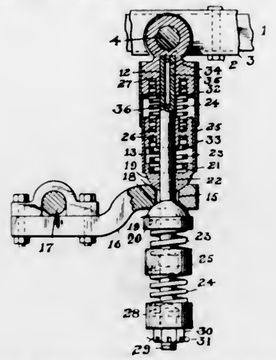
1. In a scraping apparatus, the combination of a frame having a curved bearing portion, a draft-operated scraper provided with lateral bearing means on one side adapted to have lateral engagement with said curved portion, an opposite side having an upright cutting edge, and a horizontally disposed lip or cutting edge projecting forwardly from the bottom end of said upright cutting edge.

1,464,523. BUNG. HENRY L. G. GERSTENBERGER, Roselle, N. J., assignor, by mesne assignments, to Standard Development Company, a Corporation of Delaware. Filed Aug. 5, 1919. Serial No. 315,402. 5 Claims. (Cl. 217—110.)



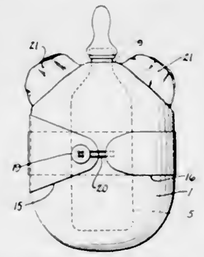
1. A globular bung formed of flexible material, a support for the bung formed with a concave seat, and associated means for varying the diameter of the bung.

1,464,524. SHOCK ABSORBER. ALFRED E. C. GILMOUR, Wilkinsburg, Pa. Filed Sept. 15, 1921. Serial No. 500,921. 3 Claims. (Cl. 267—60.)



1. A shock absorber comprising a pair of rocker elements, a buffer plate interposed therebetween, a vertically movable carrier extending through said elements and through said buffer plate, a pair of springs of different tensions, mounted on the carrier between each rocker element and an end of the carrier, one of said springs operating in advance of the other, means for shiftably connecting one end of the carrier with a vehicle body, and a telescopic casing enclosing each pair of springs.

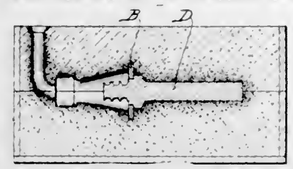
1,464,525. COMBINATION RAG-DOLL NURSING-BOTTLE COVER, PROTECTOR, AND HEAT PRESERVER. SOPHIE F. GIBB, Brooklyn, N. Y. Filed Apr. 28, 1922. Serial No. 557,096. 12 Claims. (Cl. 215—11.)



1. A nursing bottle protector having an interior recess for the bottle and an opening through which the bottle neck protrudes, the protector comprising an envelope of very pliable material and an insertable and removable inner layer of relatively deeply and gently resilient material which extends substantially completely around the body of the bottle.

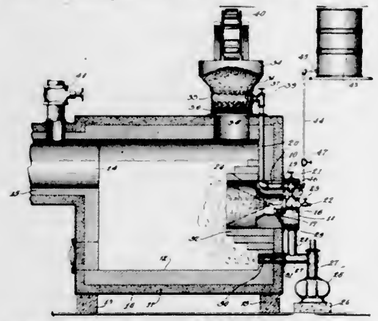
1,464,526. METHOD OF PRODUCING LOCK HANDLES. SYLVESTER A. GUTMAN, Flint, Mich. Original application filed Jan. 16, 1922, Serial No. 529,484. Divided and this application filed May 5, 1922. Serial No. 558,821. 3 Claims. (Cl. 22—203.)

1. The method of producing a lock handle having a handle member and a wear member and a support plate, which method consists in forming said support plate and providing an opening therein, forming a mold with a core print for said support plate and with a cavity conforming to said handle member and to said wear member and to a shoulder against each side of said support plate, placing said support plate into said core print, filling said mold with molten metal, permitting said molten metal to cool whereby said shoulders shrink lightly upon the sides of said support plate and the material in said opening of said support plate shrinks



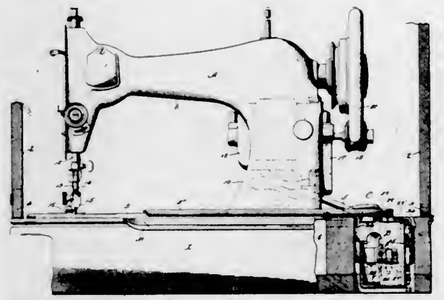
away from the wall of said opening, and forcibly rotating said support plate on said handle to provide free rotation thereof without end play of said support plate between said shoulders.

1,464,527. METHOD AND APPARATUS FOR PRODUCING SULPHUR COMPOUNDS. INGENUIN HECHENBLEIKNER and THOMAS C. OLIVER, Charlotte, N. C., assignors to Chemical Construction Company, New York, N. Y., a Corporation of North Carolina. Filed Aug. 15, 1921. Serial No. 492,369. 16 Claims. (Cl. 23—1.)



1. The method of producing sulphur compounds which consists in melting a body of sulphur, in atomizing the same by means of a fluid jet, in introducing a stream of the atomized sulphur into a furnace chamber, in conducting into said chamber a primary oxidizing fluid in intermixing relationship with and in the same general direction of movement of said stream for combustion to produce gaseous sulphur compounds and in comixing the gaseous compounds of combustion with a secondary fluid.

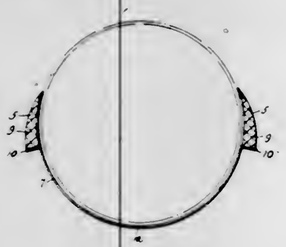
1,464,528. MOTOR-DRIVEN SEWING MACHINE. MARTIN HEMLER, Elizabeth, N. J., assignor to The Singer Manufacturing Company, a Corporation of New Jersey. Filed July 22, 1919. Serial No. 312,618. 5 Claims. (Cl. 112—219.)



1. A motor driven sewing machine comprising, a sewing head including stitch-forming and feeding mechanisms, a substantially flat cloth-plate, a driving motor, and a

motor-controller including a manually operated device movably mounted on the sewing head and depressible transversely of the plane of the cloth-plate to regulate the speed of the motor, said device being operatively located within range of the operator's fore-arm or hand without necessitating removal of the hand from its position in guiding the work.

1,464,529. HAND SHIELD. MOLLIE W. HOLCOMB, Erie, Pa. Filed July 16, 1921. Serial No. 485,323. 3 Claims. (Cl. 2—104.)



1. A device of the character described, comprising a body portion formed of two layers of flexible material, a third layer between said two layers adjacent the ends of the body portion, and hand receiving pockets adjacent each end of the body portion.

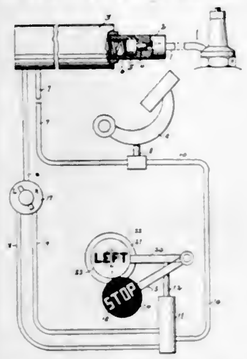
1,464,530. STOCKING PROTECTOR. MOLLIE W. HOLCOMB, Erie, Pa. Filed July 16, 1921. Serial No. 485,325. 1 Claim. (Cl. 2—23.)



A protector for shielding a human toe nail and protecting a user's stocking from puncturing consisting of a piece of textile material provided on one side with a suitable adhesive and having one end rounded and the other end pointed, the rounded end of the protector being adapted to engage the under side of the toe and to conform to the shape of the under side of the toe and the pointed end of the protector being adapted to overlie the toe nail, said pointed end constituting a tab facilitating removal of the protector.

1,464,531. AUTOMOBILE SIGNAL SYSTEM. WALTER L. INGRAM, Montgomery, Ala. Filed Oct. 5, 1922. Serial No. 592,492. 1 Claim. (Cl. 116—39.)

In a signal system of the class described, in combination with an internal combustion motor, movable and translucent signal members controlled by said motor arranged to be moved jointly or independently, a normally illuminated background against which said signal members may be displayed, and said signals so arranged that the one of them intended as a stop signal is visible through either



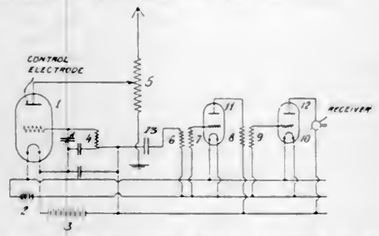
of the other signal members when the two are simultaneously against said background, substantially as set forth.

1,464,532. TOOTH SEPARATOR. JAMES W. IVORY, Philadelphia, Pa. Filed July 1, 1922. Serial No. 572,157. 3 Claims. (Cl. 32—19.)



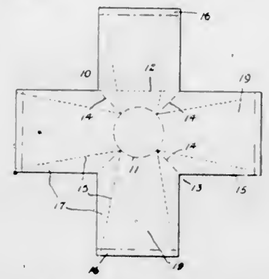
1. In a tooth separator, arms with separating points thereon, said arms having on their rear ends inturned members having eyes therein, and a connecting pivot in said eyes, the sides of said arms having between said inturned members and points outwardly extending offsets leaving the portions rearward of said offsets positioned close to each other, and the portions forward of said offsets positioned spread apart from each other to a greater extent than said rear portions, and a yoke freely fitted on said rear close-together portion between the said inwardly extending pivotal members and said offsets, the latter acting as stops to the forward motion of said yoke.

1,464,533. RADIO RECEIVING SYSTEM. SIEGMUND LOEWE, Berlin, Germany. Filed Aug. 26, 1921. Serial No. 495,776. 3 Claims. (Cl. 250—27.)



1. In a radio receiving system comprising a vacuum tube detector having input and output circuits, and a vacuum tube amplifier having input and output circuits; means for operatively connecting the input circuit of said amplifier to the output circuit of said detector comprising a transformer the primary and secondary windings of which are conductively connected together, and a condenser in series with said transformer primary.

1,464,534. PLANT-BALL SHIPPING CASE. JOHN T. LOVETT, Jr., Little Silver, N. J. Filed June 6, 1921, Serial No. 475,392. Renewed Feb. 12, 1923. 3 Claims. (Cl. 55—119.)

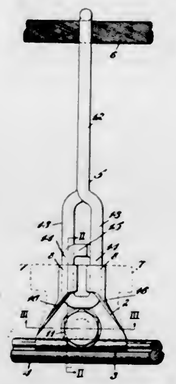


1. The herein described plant ball case composed of a plurality of sections, one in the center and the remainder extending outward from the center section, the external sections being seamed to one another along seam lines leading toward an imaginary circle around the center of the central section and of less diameter than any side of said central section.

2. The herein described blank for the making of a plant ball case, the same composed of a plurality of equal squares, one in the center and the remainder extending outward from the center square, the external squares being seamed to one another along seam lines leading toward an imaginary circle in the center of the central square and of less diameter than the side of the square.

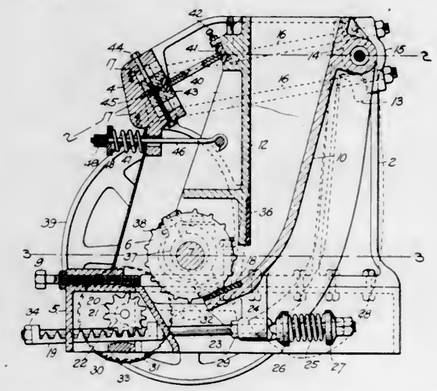
3. The herein described blank for a plant ball case, the same comprising five equal squares, one in the center and four radiating outward from the sides of the central square, there being provided folding lines radiating outward directly from an imaginary circle formed centrally of the central square to the re-entrant angles between adjacent side squares, and adjacent sides of said squares being seamed together from their outer corners and on opposite sides of the folding line to the point of intersection between the folding line and said circle, forming four equal side panels in the finished case.

1,464,535. TROLLEY-CONDUCTOR HANGER. JAMES P. L. MCGIVERN, Wilkinsburg, Pa., assignor to Westinghouse Electric & Manufacturing Company, a Corporation of Pennsylvania. Filed Feb. 26, 1921. Serial No. 448,103. 16 Claims. (Cl. 191—40.)



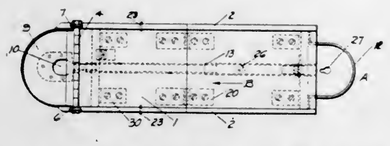
1. A conductor-supporting device comprising a plurality of conductor-gripping jaw members, each having a plurality of hanger-receiving sockets thereon, and a hanger member having an end thereof extending through said sockets and having a bent portion to prevent the withdrawal of the hanger member from said sockets.

1,464,536. CRUSHING MACHINE. DAVID J. NEVILL, Denver, Colo., assignor to The Stearns Roger Manufacturing Company, a Corporation of Colorado. Filed Aug. 27, 1920. Serial No. 406,295. 15 Claims. (Cl. 83—53.)



1. A crushing machine of the character described comprising a frame, a rotary crushing roll, means for its rotation, eccentrics moving in conjunction with the roll, a normally stationary jaw extending upwardly from the roll, a loose jaw opposite the other, having an operative connection with said eccentrics, and an oscillatory connection between the upper portion of the loose jaw and the frame.

1,464,537. GAME DEVICE. ANTHONY PLOCHOCKI, Brooklyn, N. Y., assignor of one-half to Edward Brzozowski, Brooklyn, N. Y. Filed July 11, 1921. Serial No. 483,629. 3 Claims. (Cl. 46—62.)

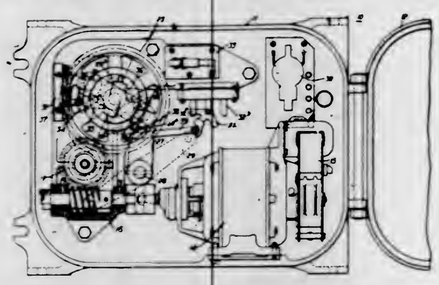


1. In a collapsible game device of the character described, a foldable table having an opening in the rear end thereof, side rails for said table having transverse holes therein, a row of swingable targets adapted to be set in motion when struck by a playing ball, an upright adapted to be removably inserted in the holes in said rails, an eye at the upper end of each of said posts, a shaft passing through said eye, and carrying said targets, means operatively connected to said table near the opening thereof for guiding the playing ball back to the player, and detachable means near the players' end of said table for receiving said ball.

1,464,538. SWITCH. ERNEST K. READ, Wilkinsburg, Pa., assignor to Westinghouse Electric & Manufacturing Company, a Corporation of Pennsylvania. Filed Feb. 15, 1919. Serial No. 277,157. 9 Claims. (Cl. 175—375.)

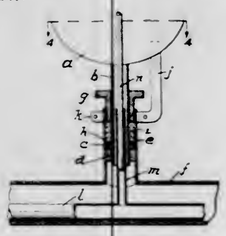
1. In an electrical system, the combination with a main switch and a motor for actuating the same, of a control

switch for the motor, and motor-actuated means for rendering the control switch inoperative to effect the motor



operation so long as the main switch is out of its full-open or its full-closed position.

1,464,539. DRYING FORM. LEROY W. REEPS, Springfield, Pa., assignor to Philadelphia Metal Drying Form Company, Philadelphia, Pa., a Corporation of Delaware. Filed July 12, 1922. Serial No. 574,358. 4 Claims. (Cl. 223—17.)



1. A hollow drying form having concentric inlet and outlet tubes connected thereto, concentric inlet and outlet conduits telescopically connected to the inlet and outlet tubes, a flanged connection between the outer tube and the outer conduit arranged to permit free rotation of the tubes with relation to the conduits but to prevent axial movement of the tubes relative to the conduits, and a stuffing box in said connection to form a steam-tight joint between the outer tube and the outer conduit.

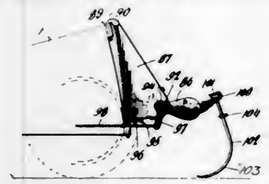
1,464,540. SMOKING DEVICE. WILLIAM H. ROSE, Jersey City, N. J., assignor of one-half to Howard S. Neiman, New York, N. Y. Filed Oct 26, 1921. Serial No. 510,608. 2 Claims. (Cl. 131—12.)



1. In a smoking device, a wire capable of insertion within the smoke passage of a pipe stem, one end of the wire being bent to form a plurality of passages for smoke issuing from a pipe stem in which the device is inserted.

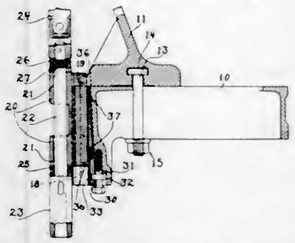
1,464,541. AGRICULTURAL MACHINE. CLIFFORD B. ROWLAND, Trenton, N. J. Filed Jan. 19, 1922. Serial No. 530,344. 2 Claims. (Cl. 97—98.)

1. In an agricultural machine of the class described, a frame, a coupler attachable to the frame, a drive gear associated with the frame, a rotatable rod associated with the coupler, means for rotating the rod through the drive gear, and means for attaching implements to the rod so



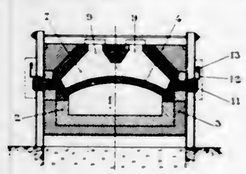
that they may be raised from and lowered into engagement with the ground in the manner and for the purpose specified.

1,464,542. ADJUSTABLE ARM FOR MULTIPLE-SPINDLE DRILLS. JOHN M. RUSNAK, Hartford, Conn., assignor to Pratt & Whitney Company, New York, N. Y., a Corporation of New Jersey. Filed June 5, 1922. Serial No. 566,165. 7 Claims. (Cl. 77—24.)



1. An adjustable supporting device for a drill spindle comprising in combination, an arm, means to attach said arm to a drill head, a spindle head rotatably supporting a drill spindle adjustably attached at one end of said arm, and a wedge interposed between said arm and spindle head adapted to clamp said spindle head in any adjusted position.

1,464,543. ELECTRIC FURNACE. MARIUS SAUVAGEON, Paris, France. Filed Apr. 2, 1921. Serial No. 458,018. 4 Claims. (Cl. 204—64.)

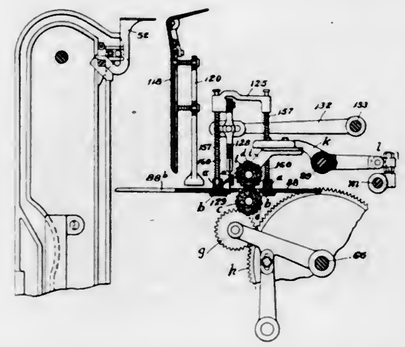


1. An electric furnace, comprising a hearth the crown wall of which is formed of material which is a good conductor of heat and at high temperatures a good conductor of electricity, a series of heating chambers above said crown wall, granular resistance material filling said heating chambers, and electrodes extending into said chambers and contacting with said granular material.

1,464,544. FEEDING AND CUTTING MECHANISM FOR WAXED PAPER. HENRI A. SÉVIGNÉ, Winthrop, Mass., and FRANK K. ARNOLD, Nashua, N. H., assignors to National Bread Wrapping Machine Company, Boston, Mass., a Corporation of Massachusetts. Filed May 4, 1921. Serial No. 466,786. 8 Claims. (Cl. 164—49.)

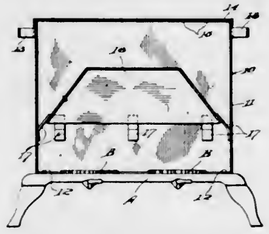
1. In a machine for feeding and cutting waxed paper, a bed over which the paper travels while being fed, upper and lower members between which the paper is moved

when travelling over the bed, the lower member being in position to support the paper and the upper member being movable to intermittently coact with the lower member



to grip the paper, the said lower member being provided with means for resisting tendency of the coating of the paper to adhere thereto resulting from the gripping action of the upper member thereon.

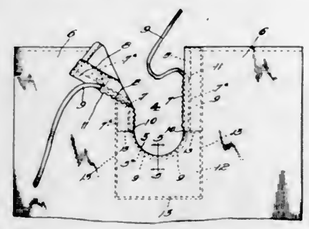
1,464,545. HOT-AIR HEATER. FRANKLIN T. SPENCER, ARMEL JAMISON, and CLAUDE G. JAMISON, Painted Post, N. Y. Filed Aug. 30, 1919. Serial No. 320,884. 1 Claim. (Cl. 126—85.)



In a hot air radiator, the combination with a range having burners, of a rectangular shaped body, a flat perforated cover detachably mounted thereon, the lower edges of said body being inturned to form a horizontal supporting flange, and providing an open space in the bottom thereof, for entrance thereof into the interior of the rectangular body, brackets secured to the inside of said body, each of said brackets having an outwardly extending portion, and a baffle disposed within said body and secured to the outwardly extending portion of said brackets in such manner that the edges of said baffle are spaced from the walls of said body to provide such space for passage of the heat, said baffle having its sides flat, and inclining toward each other, to provide an elongated pocket into which the heat passes prior to its entrance upwardly through the space and into the upper part of said body and outwardly through the perforations in said cover.

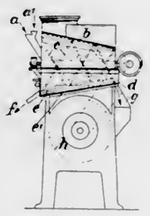
1,464,546. APRON. SAMUEL SPERO, Michigan City, Ind. Filed Nov. 13, 1920. Serial No. 423,929. 3 Claims. (Cl. 2—54.)

1. An apron formed at its upper end with a neck-opening with draw-tape threaded therein, the ends of which are exposed for fastening the apron in place, said tape engaging the apron short of the ends of the opening whereby the apron presents flap portions beyond said securing means adapted to be laid against the back of the



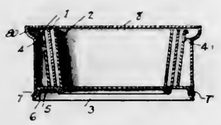
person, the apron at the front portion of said neck-opening being secured to the draw-tape to prevent puckering or gathering of this portion of the apron.

1,464,547. APPARATUS FOR WASHING, HUSKING, AND POLISHING WET GRAIN. STEFAN STEINMETZ, Berlin, Germany. Filed Aug. 20, 1921. Serial No. 493,897. 4 Claims. (Cl. 83—27.)



1. A device for washing, husking, and polishing grain comprising, in combination, a conical wash drum having perforations in its lower half; means adapted to drive the grain towards the small end of said drum; beating members arranged in the wash drum; a trough arranged below said drum, an outlet passage in said wash drum; another drum so arranged with respect to the wash drum as to allow the wet grain passing directly from said latter drum into said other drum by means of said outlet passage; and beaters arranged in the said other drum and having two sets of operating members, the members of the one set standing more radially than tangentially, those of the other set lying more tangentially than radially, with respect to the circumference of the said other drum.

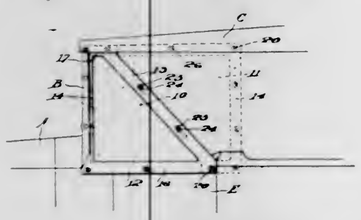
1,464,548. COLLAPSIBLE BUCKET. GEORGE R. STEPHENS, Atlanta, Ga. Filed Jan. 27, 1922. Serial No. 532,274. 1 Claim. (Cl. 220—8.)



A collapsible bucket comprising a plurality of annular sections, each section telescopically arranged in the next upper section, a base section joined to the side wall of and forming the entire bottom of the lowermost annular section and extending outwardly beyond the side of said section and having a depending marginal flange and a circumferential groove of concave cross section therein,

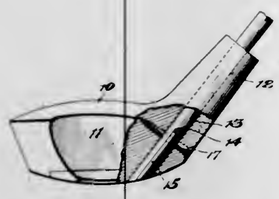
and a flanged cover removably fitted over the annular sections and on the base section and having pendent clamps, of interior convex cross-section on its flange and adapted to snap into and out of the said circumferential groove in the flange of the base section.

1,464,549. AUTOMOBILE CURTAIN. RALPH K. THOMSON, Sioux Falls, S. Dak. Filed June 19, 1919. Serial No. 305,300. 9 Claims. (Cl. 296—138.)



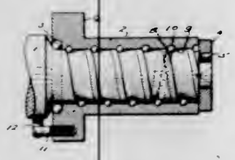
7. An automobile side curtain comprising two complementary separable sections of the same size, each section of substantially triangular shape, and said sections provided with cooperating fastening devices for connection of said sections at their longest sides.

1,464,550. GOLF CLUB. SAMUEL T. THORPE, Bristol, Conn., assignor to The Horton Manufacturing Company, Bristol, Conn., a Corporation of Connecticut. Filed July 14, 1922. Serial No. 574,906. 6 Claims. (Cl. 46—4.)



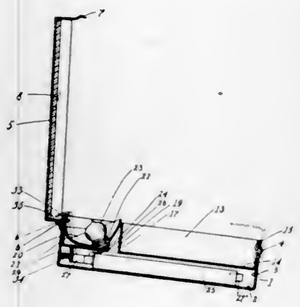
1. In a golf club, the combination with the head and shaft extending into said head, of a flat key extending transversely of the shaft and projecting beyond the side faces of said shaft into the head.

1,464,551. EXPANDING ARBOR. ALEXANDER URQUHART, Derby, Conn. Filed Dec. 24, 1921. Serial No. 524,594. 10 Claims. (Cl. 82—44.)



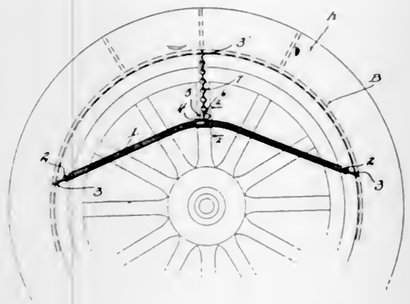
1. An expanding arbor comprising a body portion, an expansible sleeve rotatably mounted on the body portion, a spiral groove formed in the interior of the sleeve, a spiral groove formed on the exterior of the body portion in the sleeve, and means loosely located in these grooves and adapted to be forced radially outward and expand the sleeve when the sleeve is rotated in one direction with relation to the body portion of the arbor.

1,464,552. VANITY BOX. ELEANOR A. WARNER, St. Paul, Minn. Filed July 3, 1922. Serial No. 572,526. 7 Claims. (Cl. 240—8.4.)



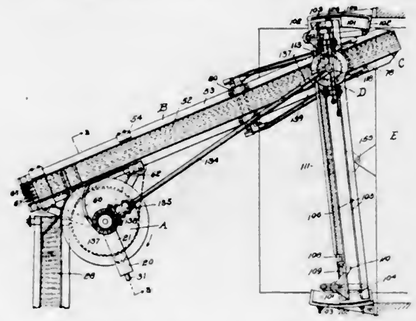
1. A vanity box comprising a body portion having a side wall and a bottom, a receptacle for holding powder, less in depth than said body portion telescoping into the latter and spaced from the bottom thereof to form a battery receiving chamber, a cover for said body portion mounted to swing upwardly, a mirror carried by said cover on the inside thereof, and electrical illuminating means for said mirror, said means including a dry cell battery in said chamber, an electric light bulb located between the top and bottom of said receptacle, and means in operative connection with said cover for holding the light circuit open when the box is closed responsive to a closing movement of said cover.

1,464,553. AUTOMOBILE TIRE-CHAIN TIGHTENER. CHARLES WETHERN, Eau Claire, Wis. Filed June 24, 1921. Serial No. 480,032. 1 Claim. (Cl. 152—14.)



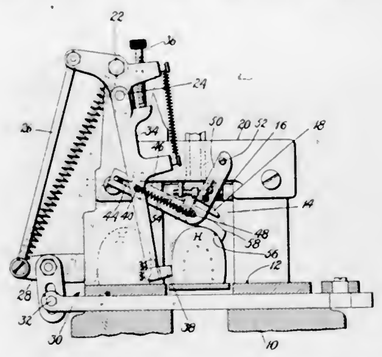
In a device of the class described a close coil spring, an elongated cylinder having a smooth bore, said close coil spring being slidable freely in said bore, said cylinder being formed of a thin blank having edges meeting upon a line extending longitudinally of said cylinder, a flat ear integral with one of said edges, a second ear integral with the other of said edges, said ears being in close superficial contact, said first mentioned ear having an opening therein, said second ear having an opening aligned with said first mentioned opening, said openings registering and a chain having an end directed through said openings and secured to said ears.

1,464,554. CONVEYER AND LEER-CHARGING MECHANISM. WALTER O. AMSLER, Pittsburgh, Pa. Filed Feb. 2, 1921. Serial No. 441,912. 31 Claims. (Cl. 198—31.)



1. The combination with a receiving conveyer, of a delivery means for delivering articles thereto movable transversely to the receiving conveyer, and means for advancing and retracting the delivery means longitudinally relatively to the receiving conveyer.

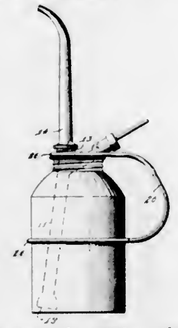
1,464,555. MACHINE FOR OPERATING UPON HEELS. FREDERICK J. BALCOM, Binghamton, N. Y., assignor to United Shoe Machinery Corporation, Paterson, N. J., a Corporation of New Jersey. Filed Mar. 5, 1920. Serial No. 363,494. 25 Claims. (Cl. 1—33.)



1. In a machine for operating upon heels, operating mechanism, a heel-support, movable heel-locating means co-operating with the support and operating mechanism, means for feeding a heel over the support to the operating mechanism, and means movable in the operation of the machine along the path of the heel for limiting the feeding movement of the heel to the field of action of the locating means.

1,464,556. OIL CAN. ARTHUR R. BECK, Ames, Iowa, assignor of one-half to Riley J. Beck, Sioux City, Iowa. Filed Feb. 8, 1922. Serial No. 534,940. 1 Claim. (Cl. 221—51.)

An improved oil can comprising an oil can body having a screw threaded opening at its top, a screw cap for the oil can, a feed pipe permanently fixed to the screw cap and having a valve at its lower end, its upper end above the screw cap being formed with a valve seat, and a screw threaded extension above the valve seat, a valve mounted in said valve seat, a discharge spout screwed into the said screw threaded extension and engaging the valve body, a pump cylinder permanently fixed to the screw cap and communicating with the upper end of the feed pipe, a piston therein, a piston rod connected with the piston and provided with a loop, and a handle for the oil can



loosely encircling the body portion of the oil can and permanently fixed to the screw cap, for the purpose as stated.

1,464,557. PROCESS OF OBTAINING LECITHIN FROM VEGETABLE RAW MATERIALS. HERMANN BOLLMANN, Hamburg, Germany. Filed June 10, 1922. Serial No. 567,434. 12 Claims. (Cl. 260—98.)

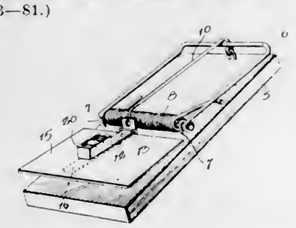
2. Process of obtaining lecithin from vegetable raw materials consisting in extracting the said raw materials by a solvent-mixture of alcohol and volatile liquid hydrocarbon, in warming up the extract thus obtained until the solvent-mixture is mainly evaporated, in separating the remaining oil from its deposit, in passing water-vapor into the oil in order to set free the lecithin, in separating the lecithin, and in freeing the latter from any oil sticking thereto.

1,464,558. FILM-SPOOL CARRIAGE. CARL BORNMANN, Binghamton, N. Y., assignor to Ansco Company, Binghamton, N. Y. Filed Dec. 15, 1922. Serial No. 607,194. 10 Claims. (Cl. 242—71.)



3. In combination with a camera, a spool chamber therein, a spool carriage secured in said chamber and having journals for a film spool, one of said journals being resiliently pivoted, and a finger piece on said journal whereby said journal may be rocked to permit easy insertion and removal of the film spool.

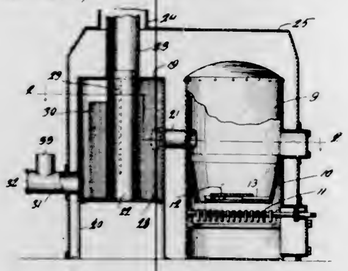
1,464,559. TRAP. HARLAN M. BRITAN, Ojus, Fla. Filed Nov. 9, 1922. Serial No. 599,895. 6 Claims. (Cl. 43—81.)



5. A spring trap for rodents comprising a base, a spring-actuated striking element secured to the base, a trigger of elongated formation pivoted to the base and

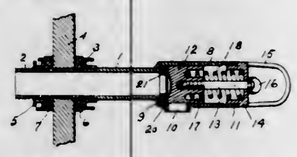
having means whereby to hold the striking element in a set position, a flat retaining spring secured to the under side of the trigger and having its major portion spaced from the trigger whereby to define a socket, an apron of absorbent material adapted to be arranged between said spring and said trigger whereby to collect the blood discharged from the trapped animal and to maintain the base clean, said apron being rigid and extended to the edges of the base, and a bait receptacle secured to said trigger.

1,464,560. HEATER. JOHN T. COLLINS, Kokomo, Ind. Filed Dec. 31, 1919. Serial No. 348,522. 3 Claims. (Cl. 126—108.)



1. The combination with a furnace including a fire pot and a grate disposed below the fire pot, of a fuel plate for the furnace including a circular imperforate body disposed axially within the fire pot at the lower end thereof and spaced equi-distantly from the inner surface of the fire pot, and means carried by the plate for engaging the fire pot.

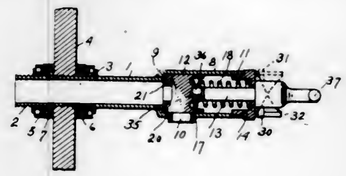
1,464,561. FAUCET. HENRY G. CORDLEY, Glen Ridge, N. J. Filed June 16, 1921. Serial No. 477,943. 4 Claims. (Cl. 251—137.)



4. In a reciprocating plug faucet, the combination of a faucet casing comprising an inner member formed of straight tubing having its outer end adapted to serve as a seat for the plug, and an outer member having its internal diameter greater than the external diameter of the inner member and having an abutment at its inner end fitting over and secured on the end of the inner member and having a discharge opening in its lower side, and a plug adapted to reciprocate in the outer casing member and to close the discharge opening, a spring normally holding the plug against the seat formed by the inner casing member, and means for drawing the plug away from its seat comprising a cap secured in the end of the outer casing member having a guard loop on its outer end, a valve rod connected to the plug and extending through the cap, and a cross bar on the outer end of the valve rod within the guard loop having its ends extending outward beyond the line of the periphery of the cap.

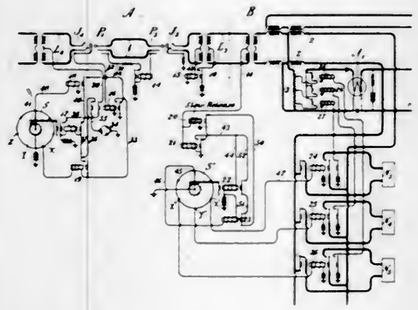
1,464,562. RECIPROCATING-PLUG FAUCET. HENRY G. CORDLEY, Glen Ridge, N. J. Filed June 18, 1921. Serial No. 478,653. 1 Claim. (Cl. 251—132.)

In a reciprocating plug faucet, the combination with an outer casing member having a valve seat at its rear end and a discharge opening in its side, of a plug valve fitting said outer casing member and adapted to reciprocate therein and to close the discharge opening, a cap secured on the outer end of said casing member, an expansion spring between the plug and the cap, a valve rod connected to the plug and extending through the cap, a pair of oppositely arranged forwardly extending cams carried on the outer end of the cap each having at



the point farthest from the cap a ledge in a plane at right angles with the axis of the casing, and oppositely arranged radially extending lugs carried by the valve rod in position to bear against said cams, each of said lugs having its inner face flat and in a plane at right angles with the axis of the valve rod adapted to be held on said ledges by said expansion spring.

1,464,563. REPEATER-CONTROL ARRANGEMENT. CHARLES S. DEMAREST and OWEN H. LOYNES, Woodridge, N. J., assignors to American Telephone and Telegraph Company, a Corporation of New York. Filed Feb. 26, 1921. Serial No. 448,062. 8 Claims. (Cl. 179—170.)



1. A transmission line interconnecting distant stations, a repeater set at one of said stations, switching means at said other station whereby said transmission line may be connected to different types of lines, a plurality of balancing artificial lines of different types associated with said repeater set, and means associated with said transmission line and controlled by the operation of said switching means for connecting different ones of said artificial lines to said repeater set.

1,464,564. SNAPPING MECHANISM FOR CORN-HUSKING MACHINES. CARL DUEKER, Cooper Township, Webster County, Iowa. Filed Apr. 24, 1920. Serial No. 376,233. 2 Claims. (Cl. 130—5.)

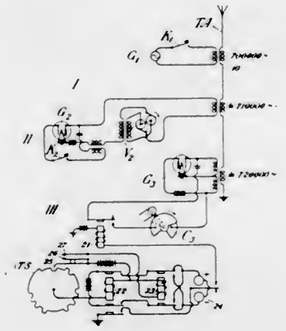
1. In a snapping mechanism for corn-husking machines, a pair of snapping rollers, one of said rollers being formed with arcuate spiral grooves in its periphery alternating with spiral ribs having spiral edges thereon, the other roller being formed with spiral grooves of less depth

and width than the grooves of the first mentioned roller and adapted to receive the ribs thereof, said ribs having



rounded apices in cross-section with plane surface connections with adjacent grooves, said apices not contacting when operating with the bottoms of the grooves.

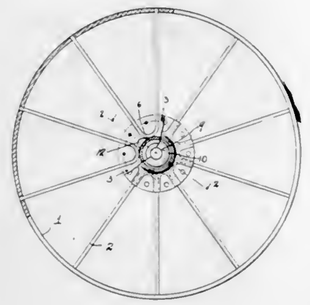
1,464,565. CALL SYSTEM FOR RADIOTELEPHONY. LLOYD ESPENSCHIED, Queens, N. Y., and RALPH BOWN, East Orange, N. J., assignors to American Telephone and Telegraph Company, a Corporation of New York. Filed Apr. 13, 1921. Serial No. 460,869. 17 Claims. (Cl. 250—6.)



1. The method of distant control which consists in transmitting high frequency energy from the transmitting station, receiving said high frequency energy at a receiving station, beating the received energy with a locally supplied frequency to produce a difference frequency, and periodically varying at a sub-audible rate one of said frequencies over a range such that the two frequencies will coincide at periodic intervals.

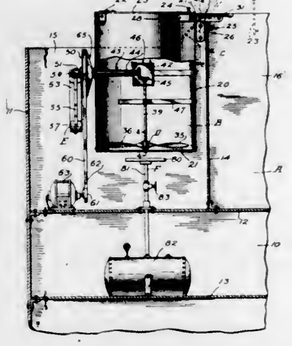
1,464,566. METAL WHEEL. ALBERT M. FORD, Geneva, Ohio, assignor to The Geneva Metal Wheel Company, Cleveland, Ohio, a Corporation of Ohio. Filed Sept. 16, 1921. Serial No. 501,087. 4 Claims. (Cl. 301—57.)

2. In a metal wheel, the combination of a hub comprising a tubular member having its ends swaged down to a smaller diameter than the center portion, complementary disks for clamping the spokes of the wheel, said disks being formed with annular flanges sleeve-fitted on the respective ends of said member, a radially projecting lug on the central portion of said member interlocking



with said disks, and interchangeable bushings fitted within said member and adapted to receive the spindle of said wheel.

1,464,567. CORN POPPER AND PEANUT ROASTER. GUS FRENCH, Dallas, Tex., assignor to Mary L. French, Dallas, Tex. Filed Nov. 3, 1921. Serial No. 512,687. 2 Claims. (Cl. 53—4.)

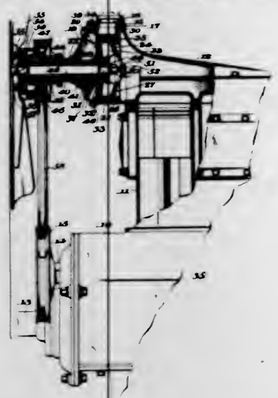


1. In a peanut roasting or corn popping machine, a cylindrical receptacle including a lower wall, a vertically disposed operating shaft arranged at the axis of the receptacle, a propeller shaped agitator keyed to the lower end of the shaft, an adjustable cone bearing carried by the lower wall of the receptacle supporting the hub of the propeller shaped agitator, the blades of the propeller shaped agitator having a plurality of ribs formed thereon, a drive shaft disposed in the receptacle, and means operatively connecting the shafts together.

1,464,568. HYDROCARBON MOTOR. EARL G. GUNN, Detroit, Mich., assignor to Packard Motor Car Company, Detroit, Mich., a Corporation of Michigan. Filed Mar. 20, 1920. Serial No. 367,305. 12 Claims. (Cl. 123—175.)

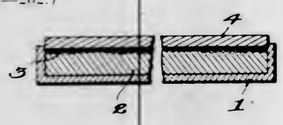
1. In a hydrocarbon motor, a cylinder block, a water-jacketed cylinder head secured to said block, a pump

casing formed integral with said head, a cylindrical pump cage mounted in and projecting into said casing



and including a rotary member, a driving shaft for said member, and a fan mounted on said shaft.

1,464,569. BEARING MATERIAL AND METHOD OF MAKING THE SAME. RODNEY G. GUPTILL, Tulsa, Okla., assignor of one-half to Ernest H. Cornelius and one-tenth to Walter M. McGee, both of Tulsa, Okla. Filed Apr. 14, 19.. Serial No. 552,759. 10 Claims. (Cl. 22—202.)



1. A bearing material composed of a bearing metal having lubricating carbon in a finely divided state embedded in its surface.

1,464,570. RIVETING, CHISELING, AND ROCK-DRILLING HAMMER. RUDOLF ALEXANDER HAGE, Gottenborg, Sweden. Filed May 17, 1920. Serial No. 382,018. 6 Claims. (Cl. 125—33.)



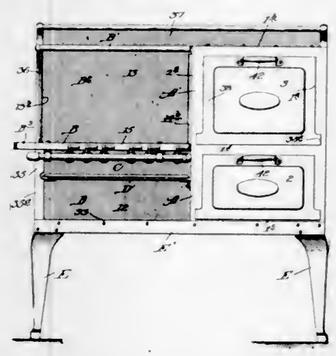
1. In a hammer a rotatable shaft, a plurality of bolts connected and arranged parallel to the shaft and disposed around the axis of rotation of said shaft, an implement actuating member with borings in number and location corresponding to and receiving said bolts whereby said member is suspended upon said bolts, and a reciprocable implement co-acting with said hammer so as to receive a reciprocating motion when the member is rotating.

1,464,571. FISHHOOK. WILBURT D. HANSON, Grove City, Minn. Filed Oct. 29, 1921. Serial No. 511,431. 2 Claims. (Cl. 43—40.)



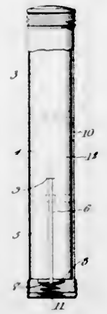
1. In a bait holder, the combination with a fish hook, of oppositely disposed wire clamping jaws opening toward each other and being located intermediate the ends of the shank of the fish hook in vertical alinement with the bend of the hook of the latter and spaced an appreciable distance above same, and spring arms resiliently connecting said clamping jaws, respectively, to the shank of the fish hook in such a manner as to effect a spreading movement of the clamping jaws in opposition to the tension of the spring arms, the latter being constructed to be manually simultaneously moved toward each other, and to permit the body of a frog to be inserted between them so that it will be gripped solely by the tension of said spring arms when the latter are released.

1,464,572. GAS RANGE. AUGUSTUS F. HARTER, Oak Park, Ill., assignor to Cribben & Sexton Company, Chicago, Ill., a Corporation of Illinois. Filed Mar. 14, 1923. Serial No. 624,968. 9 Claims. (Cl. 126—39.)



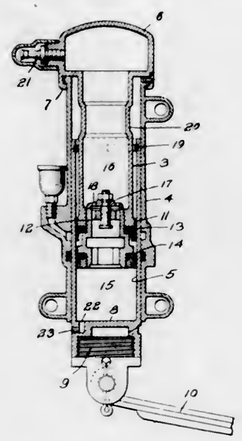
1. In a gas-stove, the combination of an oven, a stove-top at one side of said oven, above which and flanking said oven is an open space, said oven having a side wall separating the oven chamber from said open space, a vertical slot being provided at the front vertical edge of said wall and a splasher plate having its front vertical edge provided with an offset flange which interlockingly engages said slot.

1,464,573. FLASH LIGHT AND BATTERY THEREFOR. GEORGE W. HEISE, Elmhurst, and HARRY H. THOMPSON, Flushing, N. Y., assignors to Union Carbide & Carbon Research Laboratories, Inc., a Corporation of New York. Filed July 15, 1922. Serial No. 575,182. 4 Claims. (Cl. 240—8.5.)



1. In an electric lighting device energized by a battery, means carried by said battery and adapted to permit the utilization of a portion only of the battery cells, said means being removable to allow all the cells to cooperate in the production of current.

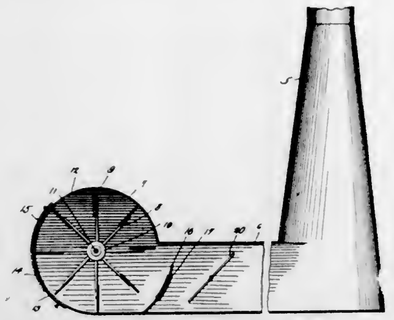
1,464,574. SHOCK ABSORBER. RICHARD LIEBAU, New Haven, Conn. Filed Mar. 11, 1922. Serial No. 543,073. 1 Claim. (Cl. 267—65.)



In a cushion device, an outer cylindrical member having an internal circumferential groove, a split ring located in said groove and an inner cylindrical member arranged to telescope with the outer member and having a stop adapted to co-operate with said ring to limit the extension movements of the device; said inner member being formed with a portion of reduced diameter for assisting in the assembly of said split ring.

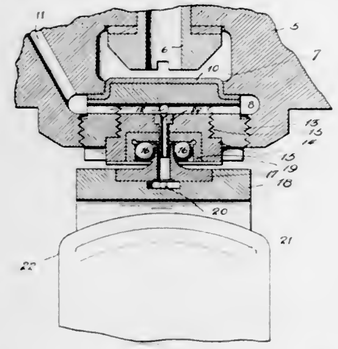
1,464,575. AIR MOTOR. HARRY MCGRAW, Marion, Ind. Filed June 25, 1921. Serial No. 480,336. 1 Claim. (Cl. 253—37.)

In a device of the character described, a vertical air column, a horizontally disposed conduit in communication with the air column and having an enlarged end forming a motor chamber, a motor operating in the motor chamber, pairs of guides supported within the conduit at a point adjacent to the motor chamber, a damper positioned between the guides, the damper being of a width less than the width of the conduit to provide a passageway between



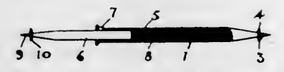
one edge of the damper and the adjacent wall of the conduit, a closure for controlling the movement of the motor by admitting air at the upper or lower extremities of the motor chamber and a pivoted damper for controlling the passage of air through the conduit.

1,464,576. TORPEDO. SCOTT B. MACFARLANE and LOUIS J. BARRY, Middletown, R. I., assignors to the Government of the United States. Filed Aug. 9, 1920. Serial No. 402,507. 3 Claims. (Cl. 74—78.)



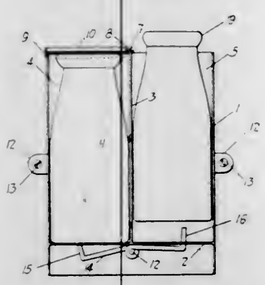
1. In a bearing for gyroscopes, a support, a gimbal ring, fluid conducting passages therein, a bearing member mounted in the support, a pivot mounted in the ring, an extender projecting from the bearing member into the pivot, all of said parts having passageways inter-communicating to form a continuous air passage, the passage in said bearing being larger than the passage in said extender.

1,464,577. TIE SPREADER. VERNON OSBORNE MATCHETT, Toronto, Ontario, Canada. Filed Apr. 13, 1922. Serial No. 552,106. 2 Claims. (Cl. 24—49.)



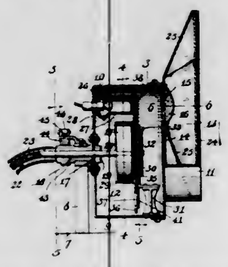
1. A tie spreader, comprising an extensible telescopic member having outwardly projecting pointed ends adapted to engage the tie and a coil compression spring arranged within said member and forcing the points outwardly.

1,464,578. SANITARY BOTTLE HOLDER. JOSEPH B. MORTON, Dayton, Ohio. Filed Mar. 9, 1922. Serial No. 542,277. 3 Claims. (Cl. 25—41.)



1. The combination with a bottle holder, of a partition dividing said holder into two compartments, a lid adapted to cover the top of either compartment, hingedly secured to the top of said holder, and means adapted to be engaged by a bottle when inserted in one compartment, to engage and raise the bottle in the other compartment into forceful contact with said lid, whereby the latter may be thrown to a position over the top of the compartment in which the first bottle is inserted.

1,464,579. AUTOMOBILE SIGNAL. JOHN B. MULHOLLAND, Buffalo, N. Y. Filed Sept. 27, 1922. Serial No. 590,850. 10 Claims. (Cl. 116—38.)



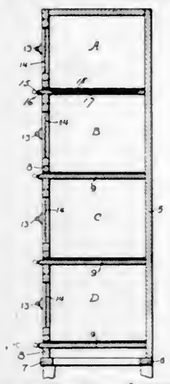
1. An automobile signal having a plurality of colored elements, a direction changing element, operating mechanism for said colored elements adapted for connection with an operating part of an automobile controlled in its movement according to the speed of the automobile, and means for actuating said direction changing element regardless of the speed of the automobile.

1,464,580. HEAT REGENERATOR. HENRI JEAN FRANÇOIS PHILIPON, Bellegarde-en-Forez, France. Filed June 1, 1921. Serial No. 474,250. 2 Claims. (Cl. 263—30.)

1. A heat recuperative apparatus for furnaces and the like comprising fused quartz tubular elements, through which takes place the exchange of heat.

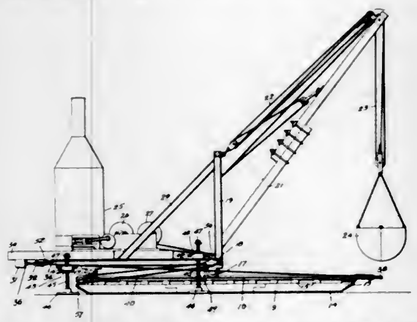
1,464,581. CHICKEN COOP. JAMES W. POTTENGER, Kankakee, Ill. Filed Feb. 11, 1921. Serial No. 444,111. 1 Claim. (Cl. 119—17.)

A chicken coop supported by legs above the ground or floor and comprising a plurality of compartments arranged one above the other, a sliding floor for each compartment the lowermost one of which dumps its contents on the ground or floor, and the uppermost of which has raised margins and superposed strips connecting the margins of opposite sides thereof, and a removable front-wall for said coop provided with doors and foraminous



windows for each compartment, and transversely elongated openings out through which said floors can be withdrawn or inserted.

1,464,582. APPARATUS FOR MOVING DERRICKS AND THE LIKE. GEORGE G. PRENDERGAST, St. Louis, Mo. Filed May 13, 1921. Serial No. 469,367. 2 Claims. (Cl. 180—9.)



1. The combination with a derrick provided with a platform, supporting wheels secured to said platform, a hoisting engine having nigger heads and hoisting drums, of a pair of skids provided with longitudinally extending track rails on which said derrick may be supported, a plurality of snatch blocks carried by said skids and platform, a plurality of cables mounted around said snatch blocks and having one of their ends secured to the platform and their other ends adapted to be wrapped around the nigger heads for moving the skids, means carried by the platform for relieving the weight alternately on each skid, so that they may be moved, and means for moving the platform along the skids.

1,464,583. TUBE-FORMING MACHINE. WILLIAM S. PRITCHARD, Detroit, Mich., assignor to Motor Products Corporation, Detroit, Mich., a Corporation of New York. Filed Sept. 27, 1920. Serial No. 413,026. 25 Claims. (Cl. 113—83.)



2. In a metallic tube forming machine, the combination with a tube forming mechanism, a flux bath, a solder bath, a severing mechanism beyond said solder bath for cutting

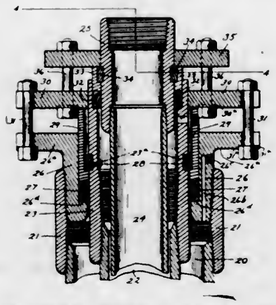
the soldered tube into predetermined lengths and means for continuously advancing the metallic strip successively through said tube forming mechanism, flux bath, solder bath, and tube severing mechanism.

1,464,584. INTERRUPTED BEAD CAP. GEORGE RAMSEY, Brooklyn, N. Y., assignor to Anchor Cap and Closure Corporation, Long Island City, N. Y., a Corporation of New York. Filed Jan. 27, 1921. Serial No. 440,299. 14 Claims. (Cl. 215—39.)



1. As an article of manufacture a closure cap comprising a cover portion, a skirt depending from the cover portion, and a plurality of spaced apart holding projections formed on the interior of said skirt, the arrangement of the projections being such that when the cap is applied the skirt thereof is stressed on diagonal lines and wherein air passages are provided between the said projections and the side wall of a suitable container during the sealing operation.

1,464,585. PACKING MEANS FOR WELL CASINGS. CHESTER A. RASMUSSEN, Long Beach, Calif. Filed May 6, 1922. Serial No. 559,087. 8 Claims. (Cl. 285—22.)



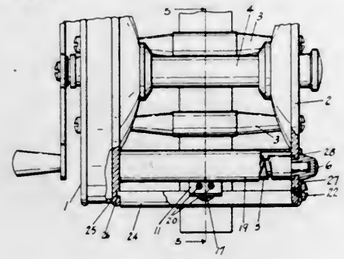
1. Packing means for well casings, comprising in combination with outer and inner casings, a bushing adapted to have screw connection with the outer casing, a coupling screwed to the inner casing within said bushing, said bushing being provided with an annular space therein between the bushing and said coupling for a part of the distance, packing means in said annular space, a ring above said packing means, a two piece ring within said ring and interfitting into a groove in the outside of the coupling on the inner casing, and a flange member over the same for holding said parts in place, substantially as shown and described.

1,464,586. TOKEN HOLDER. ROBERT M. REID, Colorado Springs, Colo. Filed Jan. 3, 1921. Serial No. 434,508. 3 Claims. (Cl. 133—6.)



1. A token holder having a central partition plate, cover plates coextensive with the partition plate and spaced therefrom to afford chambers for containing the tokens, the partition plate being flanged in opposite directions at the end for forming end abutments for the cover plates, additional means for securing the three plates together, the cover plates having slots at the end for affording access to the end tokens, and means for yieldingly restricting the mouth of the chambers for preventing accidental escape of the tokens.

1,464,587. FISHING REEL. SAMUEL G. RUSSELL and EARLE D. CLICKNER, Kalamazoo, Mich., assignors to Shakespeare Company, Kalamazoo, Mich. Filed Aug. 11, 1922. Serial No. 581,060. 14 Claims. (Cl. 242—84.4.)

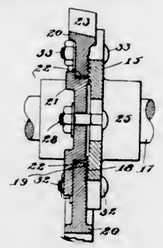


7. In a fishing reel, the combination with a frame comprising head and tail members and connecting pillars therefor, of a spool, a traversing shaft, carriage slide rods disposed parallel to the said traversing shaft, said head member having sockets adapted to receive said slide rods and said tail member having openings through which said carriage slide rods may be introduced to engage said sockets, a line guide carriage slidable on said rods, said carriage having openings through which said rods may be introduced longitudinally and being provided with a pawl, and a retaining member for said slide rods secured to said tail member.

1,464,588. COMPOSITION FOR THE MANUFACTURE OF BOXES, CASES, AND THE LIKE. RAUL DE LOS SANTOS, Buenos Aires, Argentina. Filed Jan. 29, 1921. Serial No. 440,853. 2 Claims. (Cl. 106—29.)

1. A plastic composition for the manufacture of containers consisting of a mixture of saw-dust, straw, cheap fibre, calcined magnesite, chloride of magnesium, and bichromated glue.

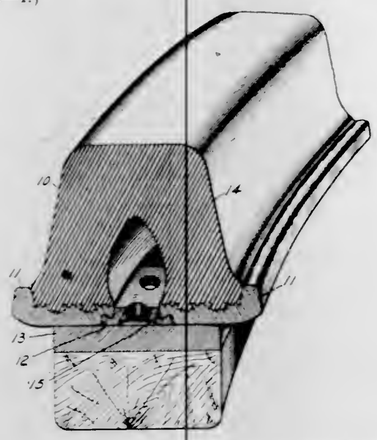
1,464,589. MEANS FOR REMOVABLY SECURING CAM PLATES TO CAM SHAFTS. EVARISTE ERNEST TALBOT, Fall River, Mass. Filed Dec. 21, 1921. Serial No. 523,830. 1 Claim. (Cl. 74—1.)



A pick-cam comprising a hub-plate fixed to the cam-shaft of a loom, and having locking corrugations upon its operative face; a cam-plate member having a parallel sided opening which allows said member to be moved sidewise into operative position upon the cam-shaft; a cam-point member having parallel sides permitting said member to be moved into operative position in said side opening of the cam-plate member; locking corrugations

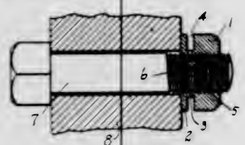
upon each of said members to engage the corresponding corrugations upon the face of the hub-plate; and means for securing the cam-plate member, the cam-point member and the hub-plate rigidly together; all designed to permit said members to be removed or replaced without disturbing the operative position of the cam-shaft.

1,464,590. VEHICLE TIRE. ROLAND S. TROGNER, Akron, Ohio, assignor to The Goodyear Tire & Rubber Company, Akron, Ohio, a Corporation of Ohio. Filed Jan. 26, 1923. Serial No. 615,159. 3 Claims. (Cl. 152—1.)



1. The combination of a semi-pneumatic tire having an internal air space and a pair of metal base members that are adapted to be mounted on a felloe-band, of a ventilator ring interposed between said base members and provided with a series of apertures communicating with the air space of the tire and with an aperture formed in one of the base members that extends to the outer air.

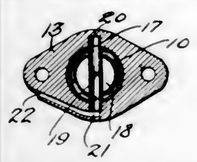
1,464,591. LOCK NUT. CHARLES WEICHOLD, Jr., Cincinnati, Ohio. Filed Mar. 16, 1920. Serial No. 366,356. 1 Claim. (Cl. 151—21.)



A lock nut including integral body, annular neck and head portions provided with a bore extending entirely through said portions and threaded from end to end to receive the screw-threads of a bolt, said head portion being sufficiently thin to bend toward and engage the body portion when the head abuts against the unyielding surface and the body portion is screwed up on the bolt, and said neck portion being sufficiently thin radially to distort circumferentially and mutilate the portion of the thread of its bore when the body portion is tightened sufficiently to bend the head portion.

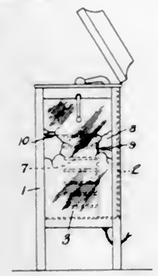
1,464,592. FEED FUEL FOR EXPLOSION ENGINES. WALLACE E. WALDEN, Domingo, N. Mex. Filed July 6, 1922. Serial No. 573,228. 2 Claims. (Cl. 98—180.)

2. An attachment for the fuel intake tube of an explosion motor consisting of a gland having an opening registering with that of the tube and being further provided within the contour thereof with a longitudinally extending channel, an annular baffle or flange for interrupting the creeping of liquid on the wall of the tube, and a transversely spanning conductor having an



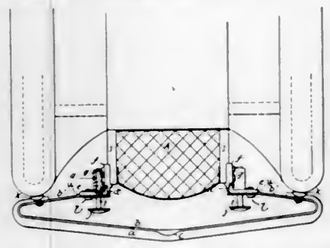
orifice presented in the direction of the movement of fuel, the said conductor having one of its ends intercepting the channel, and being further provided with a second orifice or inlet in communication with the space in rear of said baffle or flange.

1,464,593. CABINET FOR TALKING MACHINES OR THE LIKE. LEOPOLD ARTHIER, Rosemont, Quebec, Canada. Filed Apr. 17, 1922. Serial No. 553,889. 2 Claims. (Cl. 240—2.)



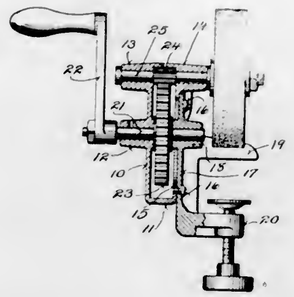
1. A phonograph cabinet, embodying side and rear panels, and front door panels, the side panels and the door panels being constructed of transparent material; a record rack within the interior of the cabinet having a vertical wall of substantially semicircular cross-section which is spaced from the side and rear panels; lighting devices disposed in the space between said side and rear panels and said rack wall to illuminate the entire surface area of the side panels; and a lighting device in the front part of the cabinet adjacent the top of the rack to illuminate the door panels and the rack.

1,464,594. LIFE GUARD FOR VEHICLES. JAMES M. BEALE, Peekskill, N. Y. Filed Mar. 16, 1922. Serial No. 544,355. 11 Claims. (Cl. 293—55.)



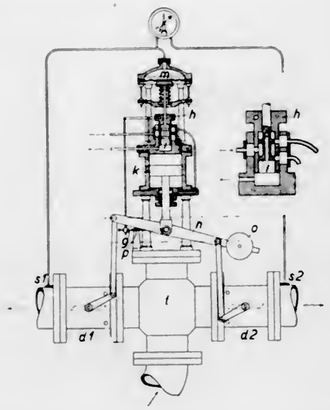
5. The combination in a life-guard comprising brackets secured to the frame of the vehicle and a spring bar attached to the brackets as described, of bumpers to be acted upon by the said bar, spring cushions for the bumpers, and means on the brackets for supporting the bumpers and the said cushions.

1,464,595. GRINDER. ELY BOCKSHE, Milwaukee, Wis., assignor to Modern Grinder Mfg. Co., Milwaukee, Wis., a Corporation of Wisconsin. Filed Feb. 28, 1922. Serial No. 539,990. 1 Claim. (Cl. 74—7.)



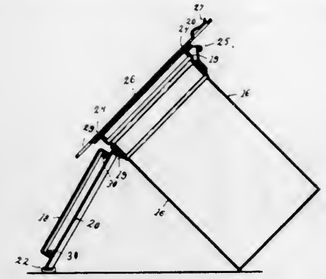
The combination of a shaft, a grinding wheel thereon, a gear rigid with said shaft, a pair of bearings for said shaft on either side of said gear, a peripheral wall of a casing and a side wall thereof, a substantially flat second gear, meshing with said first mentioned gear, a second shaft rigid with said second gear, laterally extending from both sides thereof, a third bearing for one end of said shaft outwardly extending from said side wall, a crank on said second shaft, said pair of bearings, said peripheral wall, said side wall and said third bearing being integrally united, a cover, means securing said cover to said peripheral wall and a fourth bearing integral therewith supporting the other end of said second shaft.

1,464,596. PRESSURE-REGULATING DEVICE FOR INTERMEDIATE STEAM-WITHDRAWAL INSTALLATIONS. RICHARD BOSSELMANN, Berlin, Germany. Filed June 17, 1921. Serial No. 478,421. 6 Claims. (Cl. 137—153.) (Granted under the provisions of the act of Mar. 3, 1921, 41 Stat. L., 1313.)



6. In an apparatus for regulating the drawing off pressure in the intermediate steam withdrawal in steam engines, a stop valve arranged in the draw-off pipe, and another stop valve arranged in the pipe leading to the low pressure cylinder, said valves being separately and automatically controlled under the influence of the draw-off pressure and capable of fully opening their respective pipes without throttling.

1,464,597. DISPLAY AND ADVERTISING APPARATUS. EDWARD BRENHOFF, Cincinnati, Ohio. Filed Aug. 30, 1922. Serial No. 585,300. 6 Claims. (Cl. 206—44.)

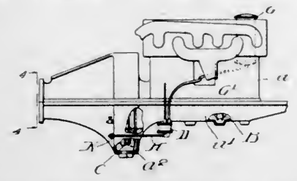


1. A display and vending apparatus comprising in combination with an original package, a member adapted to detachably engage the mouth of said original package, a supporting member carried by said original package engaging member and adapted to support said original package and said engaging member in an inclined position, and a cover member provided with a transparent section to disclose the contents of the original package hinged to said engaging member and adapted to close the mouth of said original package.

1,464,598. PRODUCTION OF VAT DYESTUFFS. LLOYD C. DANIELS, Tuffalo, N. Y., assignor to National Aniline & Chemical Company, Inc., New York, N. Y., a Corporation of New York. Filed Mar. 29, 1923. Serial No. 628,564. 8 Claims. (Cl. 260—61.)

6. The process of making coloring-matters which comprises treating 50 parts of dibenzanthrone, free from impurities insoluble in alkaline hydrosulfite liquor, with 40 parts of nitric acid of about specific gravity 1.46 in the presence of 300 parts of nitrobenzene at a temperature of 50°–60° C., neutralizing the excess acid with soda ash, removing the nitrobenzene by steam distillation and collecting the dyestuff by filtration.

1,464,599. ENGINE-CRANK-CASE LUBRICANT SUPPLYING AND GOVERNING DEVICE. CHARLES D. DUNCAN, Chicago, Ill. Filed Feb. 14, 1921. Serial No. 444,972. 4 Claims. (Cl. 184—103.)

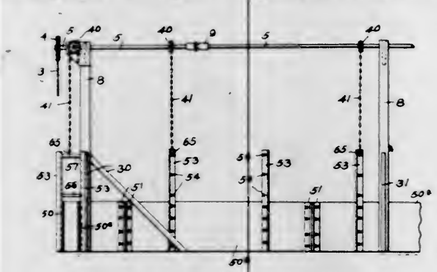


2. In the construction defined in claim 1 foregoing, the discharge orifice from the float chamber into the crank case having within the crank case a hood or lip positioned with respect to said orifice and with respect to the direction of drive of the oil by the rotating parts, for impact of the driven oil against the lip and directing the same into said orifice.

1,464,600. CONCRETE FORM. WILLIAM S. DUNHAM, Sharpsville, Pa. Filed Mar. 31, 1921. Serial No. 457,400. 5 Claims. (Cl. 25—131.)

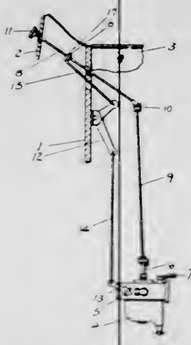
1. Apparatus for molding concrete walls comprising two metal plates spaced apart the width of the wall to be made, said plates having attached to their exterior sides

upright members extending above the upper edges of the plates, said extensions in that portion above the plates having three or more pairs of aligned perforations therein,



and two or more removable cross members adapted to engage corresponding pairs of perforations whereby to hold the plates accurately spaced apart in vertical relation while permitting the removal of one of said cross members.

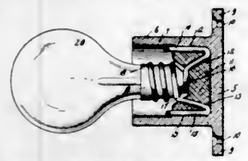
1,464,601. CARBURETOR CONTROL DEVICE. HORATIO J. FAIRCHILD, Kalamazoo, Mich., assignor of one-half to William Deshler Warner, Columbus, Ohio. Filed Oct. 22, 1920. Serial No. 418,777. 1 Claim. (Cl. 137—139.)



The combination with a carburetor including a choker valve and a fuel valve, a control rod mounted for rotative and longitudinal movement, a fuel valve rod having universal joint connections to the end of said control rod and to said fuel valve whereby said fuel valve may be operated by rotative movement of the control rod, a bell crank lever mounted at one side of said control rod, a link connecting one arm of said bell crank lever to said choker valve, a link connected to the other arm of said bell crank lever and having its other end formed into a laterally offset eye through which said control rod is arranged, and a collar on said control rod coacting with said eye whereby a longitudinal movement of said control rod will actuate said choker valve, said universal joint connections for said control rod to said fuel valve permitting the operation of the said fuel rod valve and the control rod in any of its longitudinal adjusted positions.

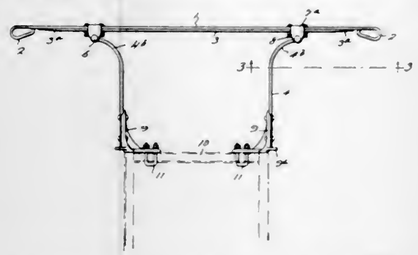
1,464,602. LAMP SOCKET. CIRIACO GARCILLÁN, New York, N. Y. Filed June 5, 1920. Serial No. 386,786. 6 Claims. (Cl. 173—342.)

6. A lamp socket comprising a base and a socket portion, the socket portion being cut away providing a lateral opening therein to receive conductor leads, a plug carried by the base within the socket portion, a plurality of conductors leading through said lateral opening, then inwardly and outwardly through said plug, a seat on the free end of one conductor adapted to receive the center



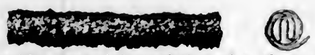
contact of a lamp base, and a coil formed on the free end of the other of said conductors, said coil providing an outside contact and support for the lamp base.

1,464,603. BUMPER. CHRISTIAN GIBL and WAYNE E. DUNSTON, Kalamazoo, and JOHN G. UTZ, Detroit, Mich. Filed Oct. 24, 1921. Serial No. 509,793. 5 Claims. (Cl. 293—55.)



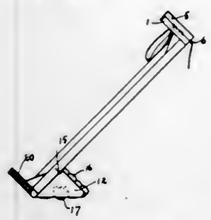
5. A bumper comprising a flat yieldable plate adapted to extend across a vehicle, a reinforcing plate bearing against the first mentioned plate and having its ends within and in proximity to the ends of such first mentioned plate, a pair of yieldable arms, each having its outer end bent outwardly, a pair of clamping devices connecting the said plates and located within and spaced from the ends of the second plate, and a pivotal connection between the outer end of each of said arms and the clamping device.

1,464,604. PACKING AND METHOD OF MAKING SAME. CHARLES C. HALL, Kalamazoo, Mich. Filed Feb. 1, 1922. Serial No. 533,230. 13 Claims. (Cl. 154—45.5.)



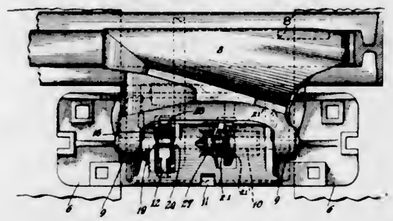
2. A packing material consisting of a sheet of aluminum alloy approximating 1/1000 inch in thickness and containing at least 60% aluminum, annealed and crinkled and crumpled, and coated with high fire test lubricant oil and graphite, and folded and compacted together.

1,464,605. FOLDING BED. JOHN HAUGLAND, Clinton, Houston, Tex. Filed July 3, 1922. Serial No. 572,627. 4 Claims. (Cl. 5—134.)



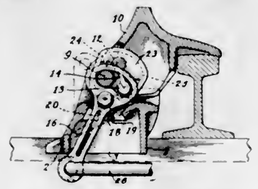
1. A bed having one end thereof weighted, the supporting legs on the weighted end being divided diagonally and the parts hinged together so that the outer half thereof may be folded back on said hinges, a roller on the inclined face of the inner half of each of said legs whereby the bed may be tipped up on to said rollers and moved about in the manner described.

1,464,606. DERAIL. STANLEY W. HAYES, Richmond, Ind. Filed Dec. 5, 1922. Serial No. 604,981. 29 Claims. (Cl. 246—163.)



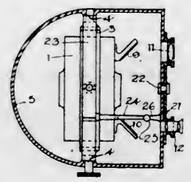
3. In a derail, a base, a derailing member movable thereon, and operative connections comprising an actuator having an abutment surface, said derailing member having an abutment surface spaced from and opposed to that of the actuator and adapted to strike the same a hammer blow after the derailing member has acquired momentum.

1,464,607. DERAIL. STANLEY W. HAYES, Richmond, Ind. Filed Dec. 5, 1922. Serial No. 604,982. 25 Claims. (Cl. 246—162.)



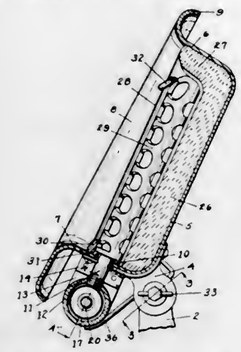
3. A hand operated derail comprising a base having spike flanges, a derailing member mounted thereon and adapted to be moved from a position upon the rail to a position at one side, and target connections associated therewith for operation by the derailing member but constituting a lock against target line operation of the derail member when on or off the rail.

1,464,608. FIRE-CONTROL APPARATUS FOR NAVAL GUNS. JAMES BLACKLOCK HENDERSON, Lee, England. Filed July 26, 1919, Serial No. 313,533. Renewed Dec. 19, 1922. 11 Claims. (Cl. 89—28.)



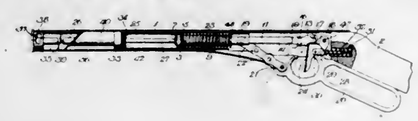
1. In fire-control apparatus for a gun mounted on an angularly moving platform, the combination of a gyroscope, a switch adapted to be controlled thereby, and means associated with the switch for correcting for the effect of straying of the byroscope thereon.

1,464,609. GAS HEATER. ALFRED H. HUMPHREY, New York, N. Y. Filed Nov. 22, 1919. Serial No. 339,917. 6 Claims. (Cl. 126—92.)



2. In a gas heater, the combination of a base member, a body member, a burner mounted on said body member, a supporting arm on said body member, a pivot on said base member provided with a clamping screw engaging said arm whereby the heater may be adjusted and secured in its adjusted positions on said pivot, and a spring on said base member for supporting the body member when said clamping screw is loosened.

1,464,610. AIR GUN. GUSTAV B. KEIL, St. Joseph, Mich., assignor to Upton Machine Company, St. Joseph, Mich., a Corporation of Michigan. Filed Apr. 21, 1921. Serial No. 463,246. 14 Claims. (Cl. 124—10.)

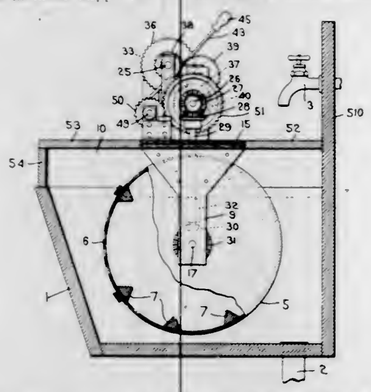


1. In an air gun, the combination of a barrel, a plunger head in said barrel, a cylindrically tubular member forming the plunger rod of said head, with a longitudinal guide slot in the top and bottom of said member, forming parallel curved side portions which are channel shaped in cross section and therefore rigid instead of being laterally flexible, said rod being formed from a single blank of sheet metal with its edges bent together in front of said slot, an abutment arranged to slide in said longitudinal slot, so that said abutment is movable back and forth between and in engagement with only the upper and lower edges of the cylindrical sides of said member, a coil spring arranged on said member for compression between said head and said abutment, so that said curved side portions extend within the spring, an action lever, a link connection between said lever and said abutment, and a trigger to catch and hold said plunger rod in retracted position, whereby said lever and abutment are then movable to normal position to force said abutment forward and thereby compress the spring along the cylindrical sides of said tubular member toward said plunger.

1,464,611. WASHING MACHINE. EDWARD L. KERRIGAN, Arlington, Mass., assignor to The Electron Corporation, Boston, Mass., a Corporation of Massachusetts. Filed June 22, 1921. Serial No. 479,463. 4 Claims. (Cl. 68—18.)

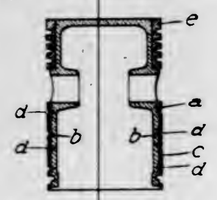
1. In a washing machine adapted for use in an ordinary set tub, the combination with two supporting rails to rest on the top edge of the set tub, a suspender depending

from each rail, a cylinder journalled in the suspenders, a bridge member supported on the rails, a motor mounted



on the bridge member, and gearing connecting said motor with the cylinder.

1,464,612. ENGINE PISTON AND METHOD OF MAKING THE SAME. FRANZ LOUIS MÄLLER, Charlottenburg, Germany. Filed Apr. 6, 1921. Serial No. 459,194. 8 Claims. (Cl. 29—156.5.) (Granted under the provisions of the act of Mar. 3, 1921, 41 Stat. L., 1313.)

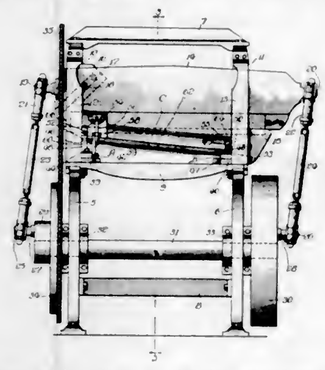


1. The method of making pistons which consists in placing on a semi-finished light metal piston body a closely fitting metal sleeve, both heated at the time of their assembly to a temperature approaching the working temperature of the piston and then finishing the combined piston and sleeve by interposing between the said two elements means to prevent axial movement of one with respect to the other.

7. A piston comprising a light metal body, wrist-pin apertures, means at one end of the body adapted to accommodate piston rings, grooves extending circumferentially around the other end of said body and means at said end of said body adapted to slide smoothly over the inner walls of a piston cylinder, said means comprising an annular metallic member whose entire inner surface is in close and intimate contact at all points with the corresponding outer surface of the piston body, one edge of said member being closely adjacent to the wrist-pin apertures of the piston body and grooves circumferentially located upon said member at the points corresponding to the grooves in the piston body and of lubricant-carrying capacity and dimensions, the metal displaced by the formation of said grooves being driven into the grooves on the piston and serving to firmly hold the sleeve and the piston against relative axial displacement.

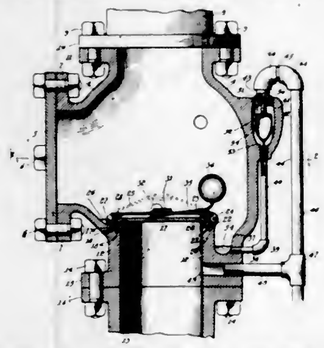
1,464,613. BEVEL-CUTTING MACHINE. VILHELM MAYER, Chicago, Ill., assignor, by mesne assignments, to U. S. Sample Company, a Corporation of Illinois. Filed Sept. 10, 1919. Serial No. 322,785. 13 Claims. (Cl. 164—54.)

1. In an attachment for paper cutting machines, the combination of means for supporting the paper to be beveled, a member which is adapted to be removably secured to the cutting machine, and a member secured for



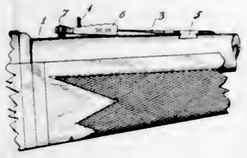
adjustment with respect to the first mentioned member and supporting the paper supporting member.

1,464,614. DRY-PIPE VALVE. HARRY M. NACEY and MICHAEL F. AHEARN, Chicago, Ill. Filed Apr. 28, 1921. Serial No. 465,080. 7 Claims. (Cl. 169—21.)



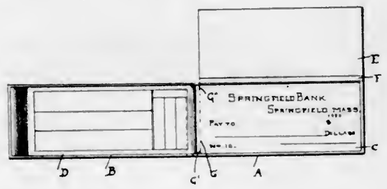
1. A device of the class described, comprising in combination a dry pipe valve seating against an opposing pressure of water, a disconnectible locking device for securing the valve upon its seat, a float operating to unlock the valve, a normally closed by-pass connecting the water under pressure below the valve with a compressed air chamber above the valve, and means controlled by the reduction of the pressure of air in the air chamber for opening the bypass.

1,464,615. GUN SIGHT. CHARLES A. NELSON, Utica, N. Y., assignor to Savage Arms Corporation, Utica, N. Y., a Corporation of Delaware. Filed Jan. 30, 1920. Serial No. 355,093. 3 Claims. (Cl. 33—58.)



1. In an adjustable gun sight, the combination with an observable part and an elevator therefor comprising a part adapted to extend lengthwise of the gun, of means at one end of the elevator for raising and lowering the same at will to adjust the elevation of said end.

1,464,616. CHECK BOOK. JOSEPH J. O'BRIEN, Springfield, Mass. Filed Sept. 11, 1920. Serial No. 409,701. 1 Claim. (Cl. 283—58.)



A money check book comprising a series of leaves bound to each other to provide an end opening and closing movement, a cover comprising two sections bound to the leaves to permit of an end opening and closing movement, the cover being longer and wider than the leaves so as to project endwise and sidewise thereof, certain of said leaves providing account sheets and certain other of the leaves providing check blanks, the check blanks being formed with a transverse weakening line disposed parallel to the hinged joint therein, each check blank being provided with a slot at each end of its weakening line, said slot extending through the edge portion of the check blank, a blotter adapted to fold over the end of the check blanks and a flexible hinge connecting the blotter to the inside of the back section of the cover so that said blotter will fold over one of the check blanks and its inner edge will register with the weakening line thereof, the outer edge of the blotter projecting endwise of the check blanks.

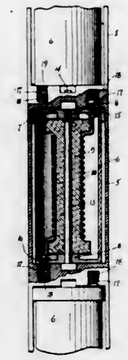
1,464,617. EXTERNAL CONTRACTING BRAKE FOR AUTOMOBILES. HORACE SEYMOUR PEED, Kansas City, Mo., assignor, by mesne assignments, to John H. Neff, Fort Leavenworth, Kans. Filed Mar. 1, 1920. Serial No. 362,461. 4 Claims. (Cl. 188—77.)



4. In combination with a drum and a brake band operably associated with said drum, a supporting member, means connecting the rear portion of the brake band to said supporting member, a pair of levers fulcrumed at the forward end of said supporting member, means operably connecting said levers to the forward portion of the brake band for actuating the same, a toggle operably connected to said levers to actuate the same, means for moving said toggle to active position, an arm secured to the forward end of the suporting member, and a spring connected to said arms and the toggle to restore the latter to inactive position.

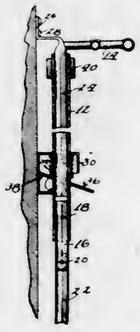
1,464,618. ELECTRIC HEATER FOR OIL WELLS AND THE LIKE. ROYAL S. PERSHING, Fort Worth, Tex. Filed Sept. 11, 1920, Serial No. 409,547. Renewed Oct. 3, 1922. Serial No. 592,135. 2 Claims. (Cl. 219—33.)

1. A heater for oil wells and the like, comprising a tubular receptacle with closures at the top and bottom thereof, means within the receptacle for suspending a plurality of heater coils in spaced unitary relationship, each heater coil encased in a shell and each shell having closures at each end and connecting members and so



arranged that each unit or coil connects with each other and whereby the removal of one or more cells or coils will not interfere with the heating arrangement.

1,464,619. DRAPERY SUPPORT. FRANK A. PETERS, Chicago, Ill. Filed May 28, 1920. Serial No. 384,870. 5 Claims. (Cl. 156—19.)



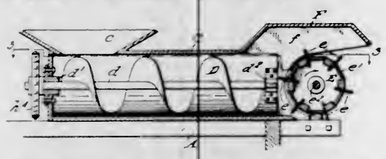
3. A device of the kind described comprising a frame, a vertical rod secured at its upper end to the frame, a tube slidable and rotatable on the vertical rod, a bracket fixed to the frame and means in the bracket for releasably holding the tube from longitudinal movement, a pivoted operating handle fixed to the lower end of the tube, and a horizontal curtain supporting member carried by the tube.

1,464,620. SUPPORTING BAR FOR TERMINAL BOXES. FREDERICK A. TEFFT, Toledo, Ohio, assignor to Abraham Smilack, Toledo, Ohio. Filed Nov. 28, 1921. Serial No. 518,177. 3 Claims. (Cl. 247—22.)



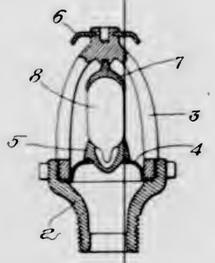
1. A supporting bar for terminal boxes and the like having a pair of parallel portions connected together by portions that may be readily severed and formed of sheet metal, the parallel portions having channels that open towards each other.

1,464,621. APPARATUS FOR MIXING AND BREAKING UP EARTH AND FERTILIZER. NELSON J. KEMP, Batavia, N. Y. Filed Nov. 22, 1920. Serial No. 425,607. 3 Claims. (Cl. 83—46.)



3. In a machine for mixing and disintegrating fertilizer and soil, the combination of a conveyor trough to one end of which soil and fertilizer may be fed, means in said trough for feeding said material lengthwise of said trough to the other end thereof, a plurality of beater teeth arranged adjacent to the discharge end of said trough and adapted to pass through the material at the discharge end of said trough in a direction substantially at right angles to the direction of movement of said material and to remove all of the material from said trough, and a shield arranged above said teeth against which the material is hurled by said teeth to further disintegrate the same, said shield forming a discharge passage through which the disintegrated material may be dropped in a heap at the end of the machine.

1,464,622. AUTOMATIC SPRINKLER. ALBERT J. LOEPSINGER, Cranston, R. I., assignor to General Fire Extinguisher Company, New York, N. Y., a Corporation of New York. Filed Mar. 18, 1919. Serial No. 283,295. 9 Claims. (Cl. 169—38.)

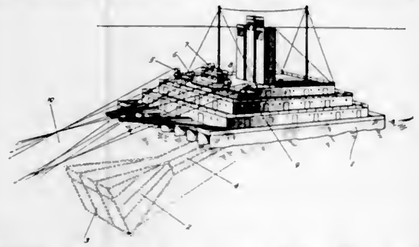


1. An automatic sprinkler comprising, as a means for normally holding the sprinkler closed, a frangible vessel formed from quartz and containing a bursting charge adapted to fracture the vessel when heated to a predetermined temperature.

7. An automatic sprinkler comprising as a means for normally holding the sprinkler closed, a frangible vessel containing a liquid charge adapted by expansion to fill and fracture the vessel at a predetermined sprinkler-operating temperature; said vessel having a fused closure and being made of material having a co-efficient of expansion so near to 1.0 that the heating of part to the temperature of fusing while the remainder continues cool, and the cooling of said part, leave the material substantially free of internal stresses.

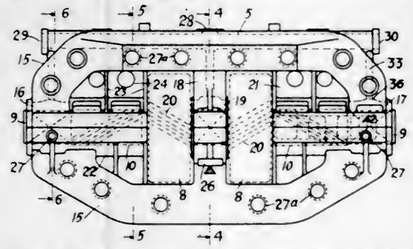
1,464,623. METHOD OF FISHING. NELS A. LYBECK, New York, N. Y. Original application filed June 22, 1917, Serial No. 176,274. Divided and this application filed Oct. 28, 1920. Serial No. 420,122. 4 Claims. (Cl. 43—4.)

1. The method of fishing which consists in moving fish receiving means through the water and attracting fish into the path of the fish receiving means by projecting light onto the surface of the water in advance of the fish receiving means for the purpose of illuminating a



divergent area of the water ahead of the fish receiving means and at substantially the apex of which convergent area the fish receiving means moves.

1,464,624. FLOATING FRAME. JOHN H. MACALPINE, Pittsburgh, Pa., assignor to The Westinghouse Gear & Dynamometer Company, East Pittsburgh, Pa., a Corporation of Pennsylvania. Filed July 17, 1919. Serial No. 311,670. 10 Claims. (Cl. 74—7.)

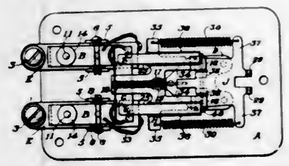


1. In a reduction gear of the double-reduction type, a floating frame having a rim portion, an intermediate strut portion, and web portions spaced therefrom to define gear openings, said web portions being provided with pinion-receiving pockets.

1,464,625. ELECTROLYTE FOR ALUMINUM PRODUCTION AND METHOD OF PREPARING SAME. ALADAR PACZ, Cleveland Heights, Ohio. Filed Mar. 18, 1920. Serial No. 366,967. 13 Claims. (Cl. 204—19.)

1. Method for the production of electrolyte for the anhydrous reduction of metals which contains the step of reacting with aluminum upon a double fluoride of sodium and a second non-aluminous metal at a temperature above the melting point of aluminum.

1,464,626. CIRCUIT CONTROLLER. DANIEL W. RICHARDS, Roanoke, Va. Filed Oct. 2, 1922. Serial No. 591,727. 1 Claim. (Cl. 200—67.)

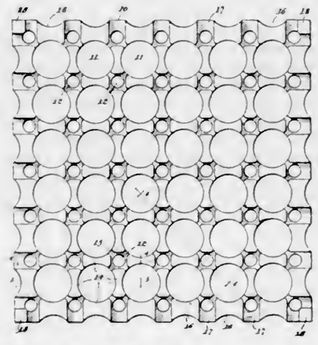


A circuit controller comprising a sheet metal member having two arms, a projecting tongue, two flat springs each having one end riveted to the tip of one arm and the other end to a bridging contact member, two contact arms, and means for moving said bridging member into and out of engagement with said arms.

1,464,627. PROCESS FOR REFINING AND PURIFYING ANIMAL TALLOWS, OILS, FATS, AND GREASES. JOHN W. RUWE, San Antonio, Tex. Filed Dec. 20, 1919. Serial No. 346,358. 5 Claims. (Cl. 87—12.)

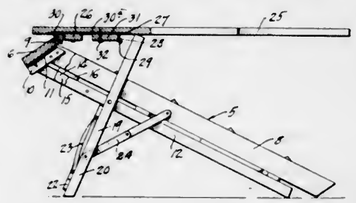
1. A process of refining animal fat, comprising mixing with animal fat a vegetable oil, heating the mixture below the melting point of the animal fat when free from the vegetable oil, adding sufficient caustic soda solution to combine with the free fatty acid but not such a solution as would saponify the neutral fat, allowing the mass to stand until the neutral fat and soap stock stratify, and separating the neutral fat from the mass.

1,464,628. CUSHION FOR EGG CASES. LOUIS SCHWARTZBERG, Chicago, Ill. Filed June 27, 1921. Serial No. 480,501. 7 Claims. (Cl. 217—26.)



1. A cushion for cellular packing receptacles comprising a substantially flat plate, and elongated feet extended longitudinally and transversely upon the bottom of said plate.

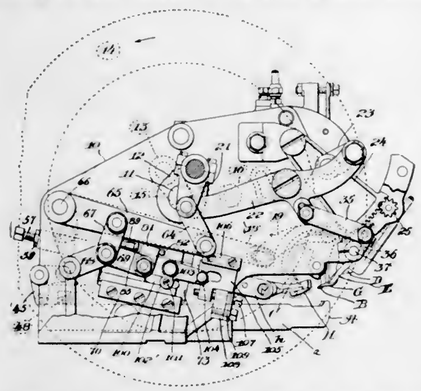
1,464,629. COMBINED STEPLADDER AND IRONING BOARD. PETER SCHNEIDER, Lawrenceburg, Ind. Filed Oct. 9, 1922. Serial No. 593,313. 3 Claims. (Cl. 228—4.)



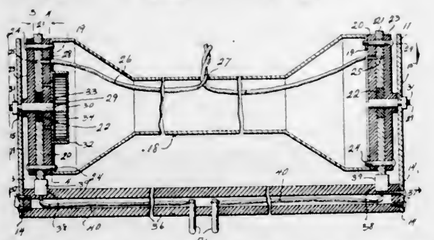
1. A combined ladder and means for supporting an ironing board comprising a ladder, a supporting member pivotally connected to one end portion of the ladder, and a holding member pivoted at its central portion to the upper portion of the supporting member, break joint braces connecting the holding member to the ladder, and braces carried by the holding member and adapted to engage the supporting member to limit movement of the supporting member relative to the ladder.

1,464,630. SEWING MACHINE. AUGUST R. SCHOENKY, Somerville, Mass., assignor to Reece Shoe Machinery Company, Boston, Mass., a Corporation of Maine. Filed July 28, 1919. Serial No. 313,732. 11 Claims. (Cl. 112—35.)

1. In a welt and turn or analogous sewing machine the combination with the hooked needle, looper and cooperating instruments, of a yielding work rest, a clutch for locking the same forward to the work, a needle actuating lever 18, means for vibrating said lever, and connections 44, 45 from said lever for opening said clutch.

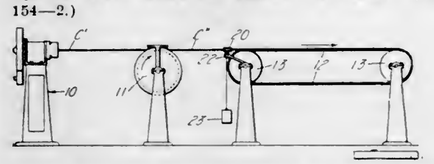


1,464,631. REEL FOR CONDUCTING CORDS. FRED J. SPUEHLER, Toledo, Ohio. Filed Sept. 28, 1921. Serial No. 503,767. 2 Claims. (Cl. 173—367.)



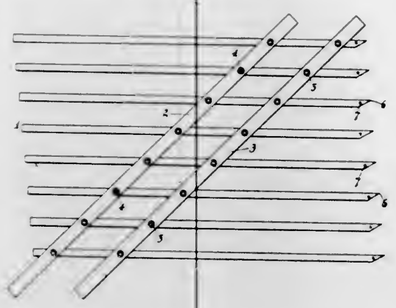
2. In a reel of the character described, a hollow drum provided at its ends with inturned flanges, ends for said drum each comprising a pair of spaced insulating plates and a conducting plate arranged intermediate said insulating plates and of greater diameter than the insulating plates, securing elements extending through the plates of each of said ends and having threaded engagement with the flanges of said drum, said drum and the inner plate of each of said ends being each provided with an opening permitting the connection of the conducting elements with the conducting plates of said ends through said drum, a rotatable support for the drum including shafts extending through said ends, and a spring having one end engaged with the shaft at one end of the drum and its opposite end secured to the end of the drum.

1,464,632. PROCESS OF EMBEDDING CORDS IN RUBBER. HERBERT N. WAYNE, Los Angeles, Calif. Filed Apr. 15, 1918. Serial No. 228,691. 4 Claims. (Cl. 154—2.)



3. The method of making rubberized cord fabric which consists in coating the cord with hot plastic rubber, and then assembling a series of the coated strands in cohesive relation to form a web.

1,464,633. GEOMETRICAL INSTRUMENT. BRUCE BARTHOLOMEW, Berkeley, Calif. Filed Mar. 16, 1922. Serial No. 544,130. 1 Claim. (Cl. 33—192.)

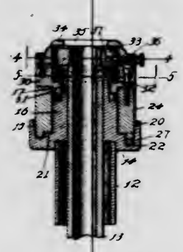


A geometrical instrument comprising a plurality of divider and ruler bars so arranged that they are constantly held in parallel relation, a pair of pivot bars pivoted to each of said divider bars and extending at an angle to the latter, said pivot bars being so arranged that they will constantly be in parallel relation, said pivot bars also extending for a considerable distance beyond the outermost divider bars, each of said divider bars being pointed at one end and having a hole at its sharpened end, said holes extending through each divider bar in a direction at right angles to the plane of said pivot bars.

1,464,634. PROCESS FOR THE PRODUCTION OF BASIC STEEL. RENÉ BARRET, Paris, France, assignor to La Societe: Usines Metallurgiques de la Basse-Loire, Paris, France, Siege Social. Filed Aug. 11, 1921. Serial No. 491,527. 6 Claims. (Cl. 75—46.)

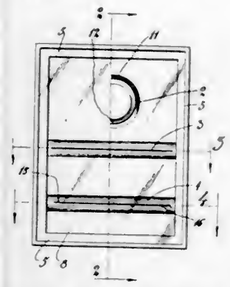
1. The process for the production in a basic converter of hard steels with a high carbon content and practically dephosphorized, which consists in preparing in the converter before the pig iron is added a liquid bath comprising lime and oxides adapted to dephosphorize the pig iron very rapidly.

1,464,635. STEERING WHEEL FOR AUTOMOBILES AND THE LIKE. JOHN BERLIEN, St. Louis, Mo. Filed Mar. 19, 1921. Serial No. 453,604. 5 Claims. (Cl. 70—129.)



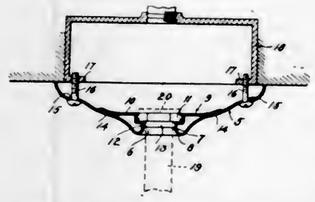
1. A steering wheel for automobiles and the like, comprising a cup member rigidly connected to the upper end of a steering post and loosely mounted on the column, said cup member having a channel formed therein, a sleeve forming a part of the steering wheel operating in the cup member, a projection formed on the bottom of the sleeve and adapted to seat itself in a depression formed in the bottom of the channel, and a lock which when operated preventing the projection from seating itself in said depression, substantially as specified.

1,464,636. MEANS FOR OBTAINING SPHERICAL RELIEF IN PICTURES. AXEL E. BERTELSON, Chicago, Ill. Filed Nov. 28, 1921. Serial No. 518,320. 2 Claims. (Cl. 83—29.)



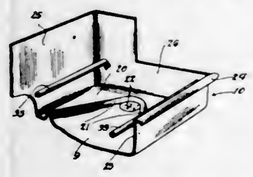
1. The combination with a flat screen having a line drawn thereupon, of a substantially flat transparent plate mounted parallel to said screen, said plate having an arcuate groove in one surface thereof having its axis in registration with said line on said screen, the curvature of said arcuate groove being variable throughout its length, thereby providing a concave cylindrical lens of varying power to produce a differentially magnified virtual image of the different portions of said line to cause certain portions of said line to appear at different distances from the observer.

1,464,637. CANOPY FOR ELECTRIC OUTLET BOXES. CLAUDE E. BOWERS, Los Angeles, Calif. Filed May 23, 1922. Serial No. 563,133. 3 Claims. (Cl. 240—87.)



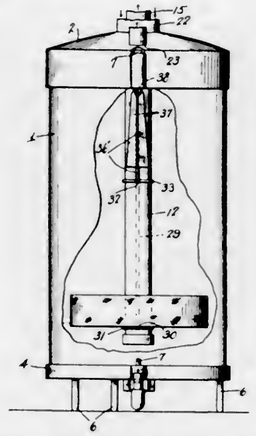
1. An article of manufacture, comprising a canopy member formed of pressed sheet metal provided with a centrally disposed aperture, and a disc member also formed of sheet metal provided with a nut receiving socket and an aperture communicating therewith adapted to register with the aperture in the canopy member, said nut receiving socket adapted to receive the nut on the end of a fixture pipe to prevent a turning movement of same when mounted therein, said members being secured together to form an integral unit.

1,464,638. SINK FOR KITCHEN CABINETS. SUSANNAH W. BRACK, Wichita Falls, Tex. Filed Apr. 29, 1922. Serial No. 557,436. 3 Claims. (Cl. 4—36.)



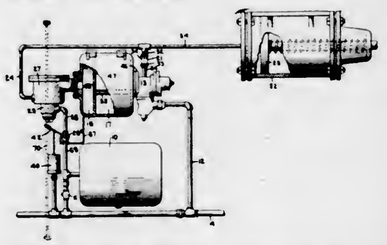
1. In a sink construction, a sink of uniform depth and a housing therefor; means in said housing supporting the sink with its bottom inclined, a V-shaped ridge on the bottom of the sink extending between the front and rear sides thereof, the apex of the ridge being situated adjacent the lower end of the bottom and a drain hole being provided within the apex of said ridge.

1,464,639. PUMP. SANFORD C. BRADY, Bartlesville, Okla. Filed June 6, 1922. Serial No. 566,372. 1 Claim. (Cl. 10—248.)



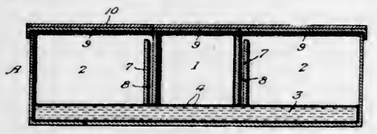
In an apparatus as herein described, a casing designed to be arranged in a body of water having a valve controlled inlet at the bottom thereof, and a valve controlled outlet at the top thereof which projects above the level of the water, said casing having its top provided with a valve controlled inlet port for a fluid under pressure and a valve controlled outlet port for said fluid, stems for the last mentioned valves, a substantially U-shaped frame adjustably secured on the stems, a brace member between the arms of the stems, and said float being positioned between the said brace and the lower element of the frame to contact with these members on the rise and fall of the float for influencing the frame to cause the latter to simultaneously and alternately open and close the last mentioned valves, notched weights suspended from the casing, a finger on the frame movable therebetween and designed to be received in the notches thereof when the frame is moved to one position to hold the frame and sustain the fluid inlet valve open after the float has been lowered from contact with the brace, as and for the purpose set forth.

1,464,640. AIR BRAKE. GEORGE D. BRECK, Cleveland, Ohio, and LAWRENCE W. BRECK and JOHN SCHMAUSS, Buffalo, N. Y. Filed Mar. 31, 1921. Serial No. 457,406. 17 Claims. (Cl. 303—28.)



1. In an air brake system for freight cars, the combination with a supply reservoir, a brake cylinder, and a conduit connecting them, of a pair of three way valves operatively associated with said conduit, one after the other and each adapted either to open a passage through said conduit or to close such passage and vent to the atmosphere the portion of the conduit which is farthest from said reservoir whereby when both valves are open the brake will be applied and when either is closed the brake will be released, one of said valves being manually operated and the other being automatically operated in accordance with the pressure in the train pipe.

1,464,641. ICEBOX. ANNA BREEN, Dyersburg, Tenn. Filed Dec. 17, 1921. Serial No. 523,071. 1 Claim. (Cl. 62—60.)



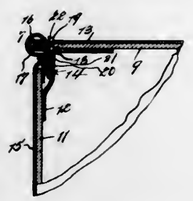
A device of the character described including an elongated box divided transversely into compartments, a water tank extending beneath and forming the bottom of the several compartments thereof, the central compartment being an ice compartment and having a reticulated bottom to support the ice and allow the water to drain into the tank, and the water in turn from the tank to splash into the ice compartment, whereby the ends of the water tank form a cooling medium for the different compartments of the box.

1,464,642. MANICURING DEVICE. OLOF L. BRUCE, Minneapolis, Minn. Filed July 14, 1921. Serial No. 484,636. 4 Claims. (Cl. 132—73.)



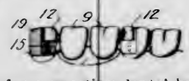
4. A finger nail brush and manicuring implement comprising the usual bristle carrying portion, a handle portion extending therefrom and formed at its outer end to constitute a cuticle pushing tool and a pointed tooth projecting from the other end of said bristle carrying portion adapted to form a nail cleaning implement.

1,464,643. WELT FOR SUITCASES OR THE LIKE. HERMAN BURCHESS, New York, N. Y., assignor of one-half to Harry Weingarten, Brooklyn, N. Y. Filed June 21, 1922. Serial No. 569,955. 2 Claims. (Cl. 190—54.)



1. In a container, a body member, a facing therefor of pliable material, said facing extending beyond the ends of the boby member and turned downwardly over said ends, a corner brace carried by the body member, the turned down ends of the facing being secured to said brace, a container secured to said brace, a stiffening element carried by said container, end members secured to said brace, and a facing for the end members secured to said container and said brace.

1,464,644. REMOVABLE DENTURE. HERMAN E. S. CHAYES, New York, N. Y. Filed Aug. 26, 1921. Serial No. 495,613. 4 Claims. (Cl. 32—12.)



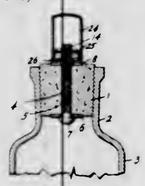
1. In a device for connecting dental bridge members to supporting parts, a seat mounted in a tooth structure and having a supporting surface substantially parallel to the occlusal surface of the dental arch, a dental member forming the terminal member of a bridge structure and formed to rest on the supporting surface of the seat, said dental member and said seat having a separable tongue and socket connection, said dental member having an occlusal surface in the plane of the occlusal surface of the arch, and said dental member being rigidly attached to a lateral face of the next adjacent tooth of the bridge structure.

1,464,645. FACE STEAM DEVICE. ARTHUR E. CLARK, Roscoe, Mont. Filed May 7, 1921. Serial No. 467,692. 1 Claim. (Cl. 128—163.)



A face-steaming device comprising a series of three arcuate strips of absorbent material suitably attached along adjacent edges to form a mask of a shape that will fit snugly over the bared portion of the neck, the underside of the chin, the upper portion of the chin and cheeks of the wearer; and resilient means engaging around the head of the wearer to hold the device securely in place as shown.

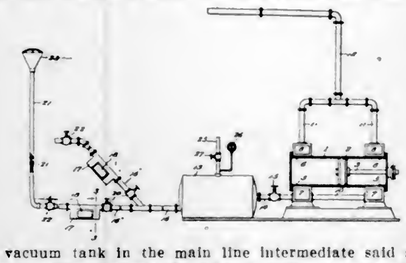
1,464,646. STOPPER. CLIFFORD J. CROSS, New York, N. Y. Filed Nov. 11, 1920. Serial No. 423,457. 4 Claims. (Cl. 215—54.)



1. A device of the character stated comprising a stopper, a screw mounted in and having its outer end projecting through the stopper, a bail loosely mounted on the outer end of the screw and having a portion surrounding the stem of the screw, a nut on the screw, and lateral side portions of the bail member disposed on opposite sides of the nut which fits snugly therebetween.

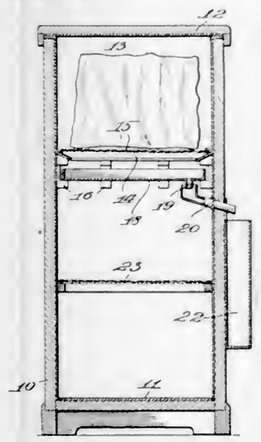
1,464,647. GAS EXTRACTOR. GEORGE DOMOWICZ, Wilkes-Barre, Pa. Filed Feb. 27, 1920. Serial No. 361,801. 1 Claim. (Cl. 98—28.)

In a ventilating system for mines, a main exhaust line, a suction creating device connected therewith, a plurality of branch exhaust lines connected with the main line, flexible portions forming the terminals of said branch lines, nozzles carried by said terminals, a trap casing located in each branch line, an air tight door for each casing whereby the casings may be cleaned,



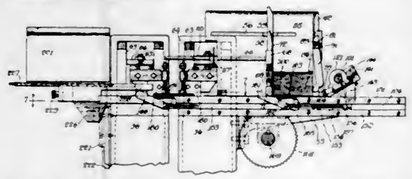
a vacuum tank in the main line intermediate said suction creating device and said branch lines, and a stand pipe connected with the vacuum tank and having a valve therein.

1,464,648. REFRIGERATOR. EDWARD ECKL, Los Angeles, Calif. Filed Mar. 6, 1922. Serial No. 541,574. 1 Claim. (Cl. 62—46.)



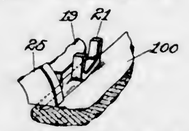
In a refrigerator, an ice chamber, a drip flange below said chamber, a door in the front of the refrigerator, brackets in the refrigerator below said drip flange and a drip pan supported on said brackets, said brackets and door being so arranged that said pan may be passed therethrough to be positioned in the refrigerator or removed therefrom.

1,464,649. BLANK CUTTING AND TRANSPORTING MECHANISM. ARTHUR J. EVERS and HERBERT J. SAVAGE, Chicago, Ill., assignors to Albert A. Arnold, Oak Park, Ill. Filed Feb. 2, 1922. Serial No. 533,520. 13 Claims. (Cl. 93—36.)



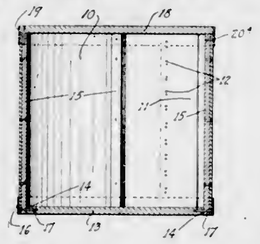
1. In a mechanism of the character described, the combination of a supply-magazine for flat blanks, means to act on a plurality of superposed blanks at a time to modify their physical characteristics, a storage-magazine for the modified blanks, means to feed simultaneously a plurality of blanks resting on one another from the bottom of said supply-magazine to said modifying means, and means to feed said plurality of modified blanks simultaneously into the bottom of said storage-magazine beneath the stack of blanks therein.

1,464,650. METHOD OF FINISHING THE EDGES OF SHEET MATERIAL. JOSEPH FOSSA, Danvers, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J., a Corporation of New Jersey. Original application filed Jan. 21, 1922, Serial No. 530,972. Divided and this application filed June 29, 1922. Serial No. 571,660. 8 Claims. (Cl. 69—21.)



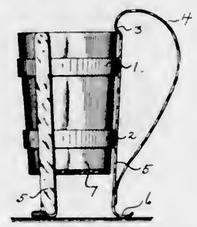
1. The method of finishing the edge of a piece of leather which comprises applying a shrinking agent to the margin of one side of the leather to produce an upstanding fin, and then bending the fin over the shrunken side of the margin.

1,464,651. REENFORCED CHEESE BOX. REINHARD L. FROME, Sheboygan, Wis. Filed Nov. 18, 1922. Serial No. 601,759. 5 Claims. (Cl. 217—1.)



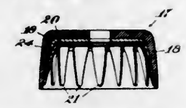
1. A box of the character described having a body and a head, the head fitting within the body and having apertures on its periphery at intervals, a plurality of reinforcing posts having their ends disposed in said apertures of the head, the reinforcing posts being nailed to the body and to said head.

1,464,652. HOLDER FOR GLASSES AND THE LIKE. JACK GREEN, Brooklyn, N. Y., assignor to Celia Green, Brooklyn, N. Y. Filed Jan. 2, 1920. Serial No. 348,843. 4 Claims. (Cl. 65—61.)



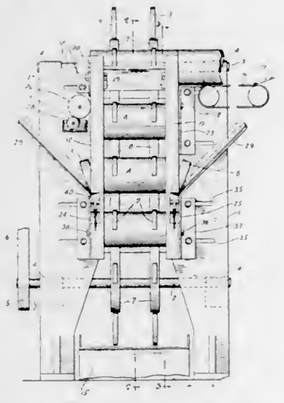
1. A holder for a glass or the like having a series of resilient celluloid upright members, the said celluloid members being so shaped that a glass can be forced therein, so that the said celluloid members slightly yield to then hold the glass or the like with a firm frictional grip.

1,464,653. PUMP AND PUMP PISTON. CARL H. HALLAUER, Los Angeles, Calif. Filed Sept. 13, 1920. Serial No. 410,055. 2 Claims. (Cl. 74—109.)



1. A piston comprising a piston rod, a cup leather, a seat on said piston rod on which said cup leather bears, a plate seated interiorly of said cup leather formed with a series of spring tines arranged to bear against the side of the cup leather to press the latter outwardly, and a washer interposed between the plate and the cup leather formed with an annular flange extending between the base of the tines and the cup leather and terminating in spaced relation to the edge of the cup leather.

1,464,654. PAPER-CAN-CAPPING MACHINE. JOSEPH W. HOLT, Brooklyn, N. Y., assignor to Union Paper Company, New York, N. Y., a Corporation of New York. Filed Mar. 29, 1922. Serial No. 547,714. 28 Claims. (Cl. 93—55.)



1. A machine for capping paper cans comprising guides adapted to distort the cans to approximately elliptical section during passage therebetween, means for conveying the cans between said guides, and means for applying the caps to the cans while distorted.

1,464,655. SIGHTING TELESCOPE WITH CHANGEABLE MAGNIFYING POWER. HEINRICH JACOB, Friedenau, near Berlin, Germany, assignor to the Firm Optische Anstalt C. P. Goerz Aktiengesellschaft, Friedenau, near Berlin, Germany. Filed Aug. 9, 1921. Serial No. 490,885. 1 Claim. (Cl. 88—32.) (Granted under the provisions of the act of Mar. 3, 1921, 41 Stat. L., 1313.)

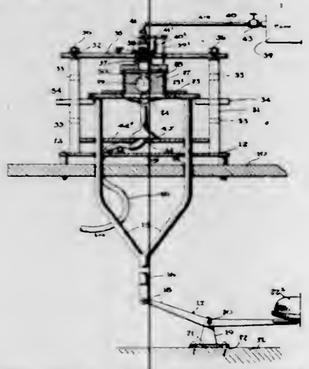
In a sighting telescope with distant eye point having at its opposite ends an object-glass and an eye piece respectively in combination a diaphragm in the image plane of the object-glass, said diaphragm carrying a transversely adjustable sight, a chromatically corrected collecting system arranged in fixed position at some distance from said diaphragm on the side opposite to the object-glass and an adjustable lens system between said fixed chromatically corrected collecting system and the ocular and forming together with the fixed chromatically corrected collecting system a reversing system, the fixed collecting element of the reversing system adapted to produce a magnified virtual image of the real image of the object-glass and of the diaphragm and sight in the

object-glass image plane, and the shiftable element of the reversing system adapted as well to further magnify



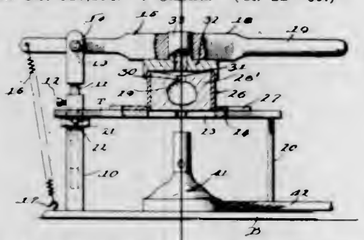
as to reduce said magnified virtual image produced by the fixed element depending from the distance of the two elements of the reversing system from each other.

1,464,656. DENTAL CASTING MACHINE. SAMUEL LIONEL JEFFERIES, Gaffney, S. C. Filed Oct. 15, 1921. Serial No. 508,011. 7 Claims. (Cl. 22—60.)



1. A dental casting machine of the character described, comprising a table, means for manually raising and lowering said table, a crucible supported by the table, and adjustable means for supporting said table in a raised position.

1,464,657. DENTAL CASTING MACHINE. SAMUEL LIONEL JEFFERIES, Gaffney, S. C. Filed Jan. 5, 1922. Serial No. 527,134. 7 Claims. (Cl. 22—69.)



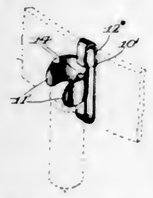
1. In a device of the character described comprising in combination, a base, a table supported by said base in spaced relation thereabove, a crucible supported by said table, means for applying a melting heat to said crucible, molds within said crucible whereby the tooth may be cast, a post extending upwardly from said base, a lever bar fulcrumed by said post, a cap carried by said lever bar adapted to be brought to form a closure for said crucible when said handle bar is brought in proper position, means connected with said handle bar to yieldingly hold the same so that the cap is normally disposed above said crucible, and means whereby the table may be adjustably raised and lowered.

1,464,658. COLLAR HOLDER. GUSTAF AARON JOHNSON, Mankato, Minn. Filed Nov. 14, 1922. Serial No. 600,899. 1 Claim. (Cl. 211—13.)



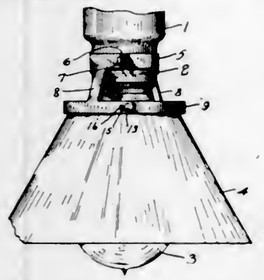
A collar holder of the class described comprising a metal band having a number of holes adjacent one end and its other end reduced, a bolt carried by said reduced end for engaging any one of the holes and the button holes in a collar and a nut for engaging the bolt.

1,464,659. CARTRIDGE HOLDER. NORRIS C. KEELY, Wilkes-Barre, Pa. Filed Mar. 6, 1922. Serial No. 541,521. 1 Claim. (Cl. 224—24.)



A cartridge holding attachment for a belt comprising a single piece of metal of the required springiness and having a pair of outwardly extending and oppositely bowed cartridge gripping jaws, and a tongue extending from the side of the body at a point intermediate the juncture of the jaws, said tongue being bent to extend away from the said side of the body in the plane thereof, thence in parallel relation to and behind the body, the outer end of the tongue being rebent to extend in parallel relation to the last-named portion and overlapping the adjacent side of the body between the juncture of the said jaws.

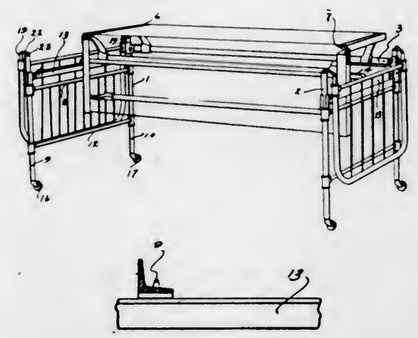
1,464,660. SHADE HOLDER. ALFRED J. MCMINN, Denver, Colo. Filed Aug. 15, 1922. Serial No. 581,974. 1 Claim. (Cl. 240—129.)



A shade holder consisting of a clamping ring adapted to encircle a lamp socket, means comprising a screw for clamping said ring to said socket, a shade-holder ring of greater diameter than the clamping ring, means comprising a plurality of arms connecting the two rings, said

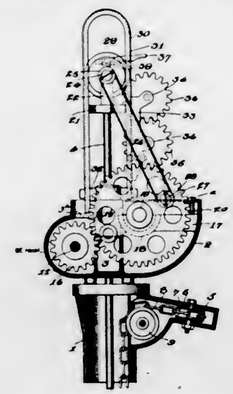
shade-holder ring having a cut therein whereby two ends are provided, said ends overlapping each other and provided with a lock comprising a pin on one end and an opening in the other end, the end having the hole being provided with an outwardly pressed guideway for directing the pin into the hole, and inwardly projecting fingers carried by the lower edge of the shade-holding ring for engaging and holding the shade.

1,464,661. OPERATING BED. FREDERIC J. PLONDKE, St. Paul, Minn. Filed Jan. 27, 1922. Serial No. 532,219. 1 Claim. (Cl. 5—53.)



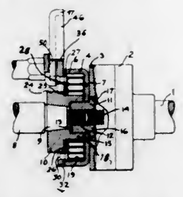
In a hospital bed the combination of a lower foot panel having two vertical posts, an upper foot panel haing two vertical posts each terminating in a plug adapted to fit in an aperture in the posts of said lower foot panel, links hinged to each of said plugs, loops hinged to each of said links the lower ends of said loops encircling pins passing through the hollow upper ends of the posts of said lower panel.

1,464,662. WINDMILL-LUBRICATING SYSTEM. FREDERICK RITZ, Napoleon, Ohio. Filed Nov. 26, 1921. Serial No. 517,946. 11 Claims. (Cl. 184—4.)



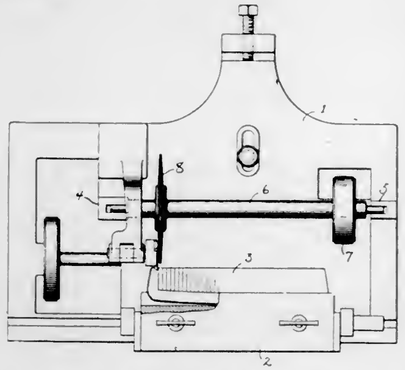
4. The combination with a reciprocating load rod, bearings supported at the upper end of the rod, operating gears, means forming connection between the operating gears and the rod, of a train of gears co-meshing with one of said operating gears, an inclined arm supported at the upper end of the rod and adapted to engage the uppermost gear of the train upon the completion of the downward stroke of the rod for receiving lubricant therefrom and a curved finger formed upon one side of the arm adjacent the inner end thereof for conveying lubricant to the load rod bearing.

1,464,663. IMPULSE COUPLING. ADOLPH ROSNER, Springfield, Mass., assignor to American Bosch Magneto Corporation, Springfield, Mass., a Corporation of New York. Filed July 22, 1921. Serial No. 486,910. 5 Claims. (Cl. 123—149.)



1. In an impulse coupling comprising driving and driven members and an impelling spring arranged to be stressed upon angular displacement of said members, the combination of an encasing structure comprising a sheet metal member forming part of the driving member, a locking member for said driven member, and a sheet metal releasing member connected to and rotatable with said driving member, said releasing member having means for releasing the locking member and also having means for arresting the driven member after release.

1,464,664. METHOD AND APPARATUS FOR MANUFACTURING COMBS AND OTHER TOOTHED ARTICLES. HERMAN SCHELHAMMER, Whitestone Landing, N. Y., assignor to American Hard Rubber Co., New York, N. Y., a Corporation of New York. Filed Dec. 14, 1921. Serial No. 522,310. 3 Claims. (Cl. 144—26.)

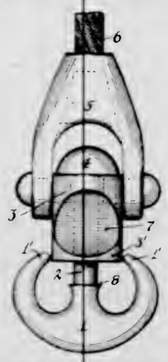


1. The method of making combs which consists in forming a comb blank with recesses corresponding to the gaps between the teeth leaving webs corresponding to such gaps, and removing such webs by grinding with a grinder or grinders having the contour of the shape of the gap.

1,464,665. SAFETY LOGGING HOOK. MARCUS A. SHINSKIE, Usona, Calif. Filed Dec. 18, 1922. Serial No. 607,566. 4 Claims. (Cl. 24—242.)

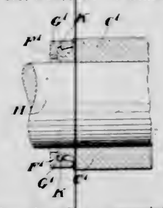
1. A safety hook comprising a hook member having a prong and a shank; and a cylindrical guard member in which said shank is mounted for rotative and sliding

movement adapting the hook prong to closely overlie the periphery of the guard member, said guard member having



in its side a depression to increase the space between the hook prong and the guard member when said prong lies opposite said depression.

1,464,666. ANTIFRICTION BEARING. FRED M. SLATER, Easton, Pa., assignor to Ingersoll-Rand Company, Jersey City, N. J., a Corporation of New Jersey. Filed Nov. 29, 1921. Serial No. 518,620. 3 Claims. (Cl. 64—62.)

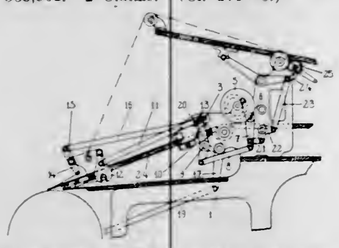


1. An anti-friction bearing comprising a cylindrical cage having a central body ring and separators or guides extending longitudinally in opposite directions from said central ring, anti-friction members adapted to be inserted and withdrawn between the guides longitudinally from each end of the cage, and removable retaining means comprising a notched ring having a beveled end at each end of the cage for holding the anti-friction members in position.

1,464,667. EXPLOSIVE. WALTER O. SNELLING, Allentown, Pa., assignor to Trojan Powder Company, New York, N. Y., a Corporation of New York. Filed Aug. 6, 1919. Serial No. 315,674. 3 Claims. (Cl. 52—14.)

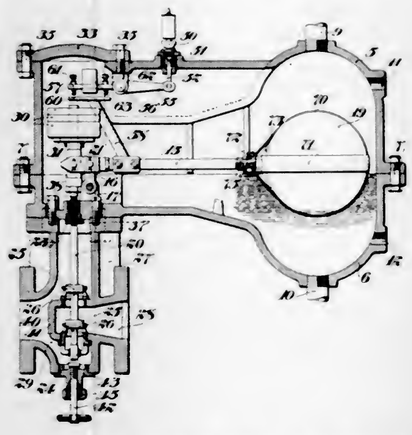
2. An explosive mixture comprising a nitrate explosive base associated with a hydrous calcium borate.

1,464,668. SHEET-FEEDING DEVICE. GEORG SPIESS, Leipzig-Reudnitz, Germany. Filed June 5, 1922. Serial No. 565,902. 2 Claims. (Cl. 271—8.)



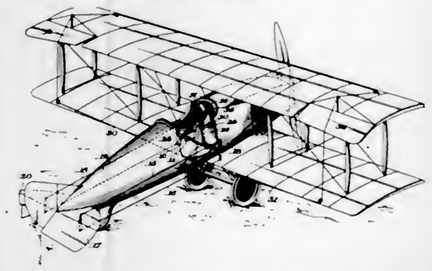
1. An improved oscillable conveying table for the mechanical feeding of sheets in printing machines, folding machines and similar machines comprising in combination with the conveying table and with the working devices mounted upon the same, a driving shaft, stationary rods for transmitting the movement from said driving shaft to the said working devices, operating rods of said working devices, links connecting said stationary rods with said movable rods, pivot bolts for said links, the links being arranged so that their pivot bolts are situated in or approximately in the pivoting axis of the conveying table so that said table can be lifted without the prior lowering of the connection between the working devices mounted upon the same and the driving rods fixed to the stationary parts of the machine.

1,464,669. FEED-WATER REGULATOR. GEORGE W. STETSON, Hingham, Mass. Filed May 17, 1916. Serial No. 98,029. 11 Claims. (Cl. 137—101.)



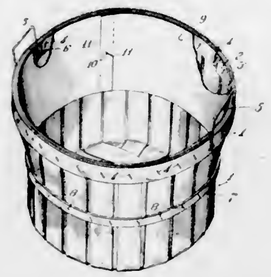
1. A feed water regulator, having, in combination, a substantially horizontal float lever fulcrumed adjacent one end, a float supported upon the end of the lever, a vertical valve stem connected with the opposite end of the lever adjacent the fulcrum, valve sleeves having a plurality of triangular ports formed therein, and a piston valve secured to the valve stem and arranged to control the flow of water through the valve ports as the stem is moved vertically.

1,464,670. AIRPLANE. WILLIAM B. STOUT, Detroit, Mich., assignor to Packard Motor Car Company, Detroit, Mich., a Corporation of Michigan. Filed Mar. 2, 1918. Serial No. 220,069. 8 Claims. (Cl. 244—29.)



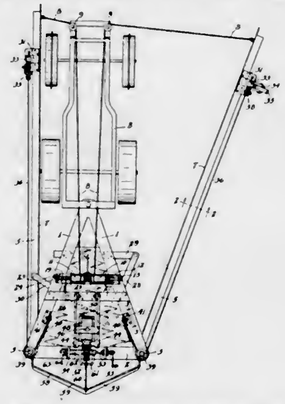
1. In an airplane, a control mechanism including a rock shaft mounted in the fuselage having means secured to its ends for actuating the elevator, a substantially vertical support detachably secured to the said shaft intermediate its ends, a lever pivoted to said support for swinging movement in a plane parallel to the axis of the shaft having a part extending below the shaft and detachable connections from the lower end of the lever to the ailerons.

1,464,671. BASKET LINER. ALBERT F. WARD, Plymouth, Ind., assignor to The Edgerton Manufacturing Co., Plymouth, Ind., a Corporation of Indiana. Filed July 8, 1922. Serial No. 573,659. 5 Claims. (Cl. 217—3.)



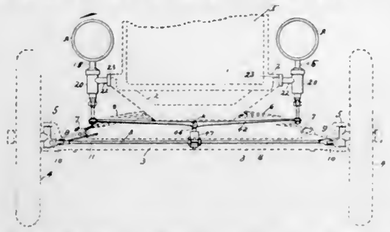
1. The combination with a basket having a flaring wall, of a tapered liner sleeve therefor formed of a strip of paperboard and retained in position in the basket by the wedging fit of the sleeve within the flaring basket wall, the overlapping ends of the strip having interengaging portions at one point permitting a rocking action to vary the taper of the sleeve and adapted to be retained in engagement solely by the wedging fit of the liner within the basket and serving to limit the extent of overlap of the ends of the strip and retain the same substantially in alignment but permitting expansion of the liner into snug engagement with the basket wall.

1,464,672. ROAD DRAG AND GRADER. BENNIE WHITTEMORE, Albert Lea, Minn., assignor of one-half to A. C. Erickson, Albert Lea, Minn. Filed Sept. 27, 1922. Serial No. 590,952. 15 Claims. (Cl. 37—154.)



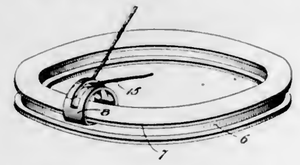
1. A road drag and scraper device having in combination, a frame, a drag and blade carrying member pivoted at the rear thereof, a standard mounted for vertical movement in said member adjacent the front thereof and carrying a ground-engaging wheel at its lower end, a sheave carried by said standard, a cable secured to said member at the front of said standard passing over said sheave, and means on said frame for pulling on said cable to raise said drag member and support the same on said wheel.

1,464,673. DIRIGIBLE-HEADLIGHT MECHANISM FOR AUTOMOBILES. FREDERICK E. WILCOX and JOHN W. FUNK, Hanover, Pa. Filed Sept. 13, 1922. Serial No. 588,092. 5 Claims. (Cl. 240—62.)



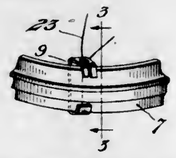
5. In a dirigible headlight mechanism for automobiles a tubular support rigidly connected to each of the opposite sides of an automobile provided upon its inner surface with journals and a series of screw threads therebetween, a cylindrical fitment mounted in said support having its upper and lower ends reduced in diameter and provided respectively with a rod to carry a headlight and with a crank to turn said fitment and further provided with journals and screw threads therebetween to engage and coact with the journal bearings and screw threads of the support, a cap rigid with said fitment to extend downward about the upper end of the support to exclude moisture therefrom, and annular chambers formed within the supports about the fitment, a rod to connect the cranks upon the fitments and connections from said rod to the steering mechanism to impart movement therefrom to said fitment and its connected headlights.

1,464,674. RING TRAVELER. GEORGE H. GILLIGAN, New Bedford, Mass., assignor to U. S. Ring Traveler Company, a Corporation of Rhode Island. Filed Dec. 1, 1922. Serial No. 604,408. 2 Claims. (Cl. 118—61.)



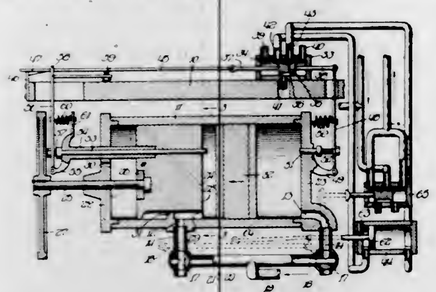
2. In a ring traveler, a bow, terminal horns upon the bow, and a finger fast to the bow near one end thereof, and disposed longitudinally thereof with its free end spaced from the bow.

1,464,675. TRAVELER FOR TWISTER RINGS. GEORGE H. GILLIGAN, New Bedford, Mass., assignor to U. S. Ring Traveler Company, a Corporation of Rhode Island. Filed Dec. 1, 1922. Serial No. 604,409. 2 Claims. (Cl. 118—61.)



1. A traveler for vertical twister rings comprising a vertical shank, a lip integral with the lower end of the shank, and a lip integral with the upper end of the shank provided with a hole, and with a guide slot extending from the hole to the edge of the last mentioned lip.

1,464,676. MEASURING AND FILLING MACHINE. BERTIE S. HARRINGTON, Fort Worth, Tex. Original application filed Oct. 28, 1920, Serial No. 420,187. Divided and this application filed Oct. 13, 1922. Serial No. 594,236. 12 Claims. (Cl. 221—103.)



1. In a dispensing apparatus, a measuring vessel provided with ports at its opposite ends, a supply under pressure of fluid to be dispensed, a discharge to a suitable receptacle, valve mechanism for controlling communication between said ports on the one hand and the supply and discharge on the other, and mechanism actuated by pressure of the fluid to control the operation of said valve mechanism to connect each of the ports alternately one with the supply and the other with the discharge.

1,464,677. DAIRYING APPLIANCE. BERTHA A. HARRIS, Benair, Calif. Filed Dec. 4, 1922. Serial No. 604,735. 2 Claims. (Cl. 119—105.)



2. An appliance for the purpose set forth comprising a tubular structure adapted to surround the tail of a cow adjacent the upper end, said structure being tapered from end to end to conform to the taper of that portion of the tail and being curved longitudinally to substantially conform to the natural curvature of the tail at said end.

1,464,678. METALLIC RADIATOR THERMOMETER. RICHARD G. HEBROCK, Irvington, N. J. Filed Aug. 8, 1922. Serial No. 580,490. 2 Claims. (Cl. 73—32.)



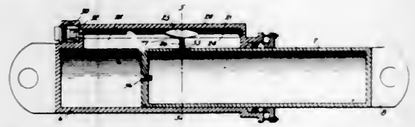
1. A metallic radiator thermometer comprising, a casing having a dial formed of two separate plates and provided with a depending tubular attaching nipple opening at its upper end thereinto and closed at its lower end, a coiled thermostatic spring secured at one end in the lower closed end of said nipple, a rock shaft mounted in the casing and provided with pointers at its ends for said dial plates, and a connecting rod operatively connecting the said rock shaft with the free end of said thermostatic spring.

1,464,679. SAWING MACHINE. EDWARD HILWIG, Clarks Green, Pa. Filed Feb. 4, 1922. Serial No. 534,204. 2 Claims. (Cl. 145—68.)



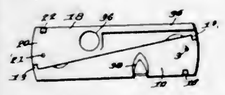
1. A sawing machine including a supporting collar, a drum having one end rotatably supported within said collar, a member connected with one end of said drum whereby to provide for the connection of the drum with suitable motive power, said drum having right and left spiral grooves terminally connected to form a continuous groove, a tube mounted for longitudinal movement upon said drum and a traveler block carried by the inner end of the tube and movable within said grooves.

1,464,680. PNEUMATIC SUSPENSION FOR VEHICLE BODIES. HARRY OTIS LASSEN, Seattle, Wash. Filed July 26, 1920, Serial No. 399,144. Renewed Jan. 22, 1923. 7 Claims. (Cl. 267—15.)



4. In a device of the class described, the combination with a cylinder having inlet and exhaust valves therein and a piston operable within the cylinder, of a valve actuating mechanism comprising a flat bar supported at its ends for rotation, said bar having means thereon for separately actuating the said valves upon rotation of the bar in opposite directions, and having a twisted portion between its ends, an arm fixed to the piston provided with a slot for receiving the bar, said arm being movable along the bar in opposite directions across the twisted portion for effecting rotation of the rod in opposite directions.

1,464,681. SAFETY-RAZOR-BLADE HOLDER. EUGENE F. MITCHELL, Spokane, Wash., assignor to Frank R. Robertson, Spokane, Wash. Filed Feb. 13, 1922. Serial No. 536,283. 16 Claims. (Cl. 30—25.)



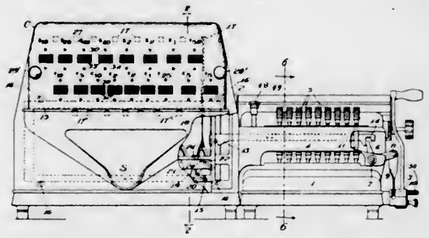
1. A safety razor blade holder comprising a central holding section, companion handle sections pivoted to said holding section and each having means when in a contracted adjustment for coaction with said holding section to cause the latter to tightly grip the blade, the remaining handle section being adapted for adjustment into a projecting position to form a handle for the holder when stropping the blade, and said projected and contracted handle sections having coacting means for locking the projecting handle section in a fixed projecting position.

1,464,682. VENDING MACHINE. GEORGE E. NORRIS, Columbus, Ohio, assignor to The Perfection Mortising Machine Company, Columbus, Ohio, a Corporation of Ohio. Filed July 23, 1921. Serial No. 487,106. 4 Claims. (Cl. 194—63.)



1. In a vending machine, a coin controlled operating mechanism including a shaft, a ratchet rotatable with said shaft, a pawl normally cooperative with said ratchet to preclude rotation on the part of said shaft, a coin chute capable of depositing a coin between said ratchet and said pawl, whereby upon the rotation of the ratchet, said pawl will be elevated to assume an inactive position permitting of the rotation of said shaft, a ratchet lever, and means formed with said pawl to retain said ratchet lever in an inactive position, whereby upon insertion of a relatively larger coin between said ratchet and pawl, the said means will be operated to release the ratchet lever permitting of a predetermined number of rotations on the part of said shaft before said pawl assumes an active position.

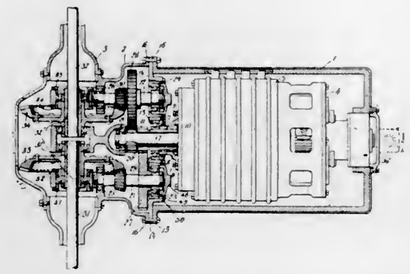
1,464,683. COUNTER ATTACHMENT FOR ACCOUNTING MACHINES. NELSON C. OVAITT, Detroit, Mich., assignor, by mesne assignments, to Payometer Company, a Corporation of Michigan. Continuation of application Serial No. 654,442, filed Oct. 13, 1911. This application filed July 2, 1917. Serial No. 178,116. 34 Claims. (Cl. 133—4.)



12. In combination, a set of manually-operable keys, totalling mechanism controlled by said keys, denomination selectors settable by said keys, a common actuator for effectively operating said totalling mechanism and said denomination selectors after operation of the keys, the arrangement including means operated by the common actuator and engageable with the set selectors for operating the latter.

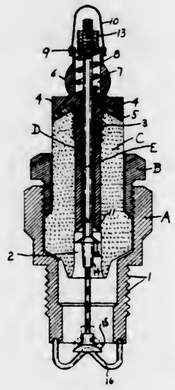
1,464,684. DRIVING MECHANISM. DONALD C. STOPPENBACH, New York, N. Y., assignor to Steinmetz Electric Motor Car Corporation, New York, N. Y., a Corporation of Maryland. Filed May 28, 1920. Serial No. 384,792. 5 Claims. (Cl. 74—7.)

1. A driving mechanism comprising a motor having two elements adapted to rotate in opposite directions, a shaft driven by one of said elements, a hollow shaft concentric with said first-mentioned shaft driven by the other of said elements, a spur gear mounted on each of said shafts, two countershafts each having a spur gear meshing with one of the spur gears on said main shafts, a bevel gear on each of said countershafts and two independently driven shafts each having a bevel gear thereon and each adapted to mesh with and be driven respectively, by the said bevel gears on the countershafts,



the spur gears on said countershafts being substantially larger than the spur gears on said main shafts, whereby a speed reduction is effected by means of said spur gears.

1,464,685. SPARK PLUG. RICHELIEU SUNDBERG, Salt Lake City, Utah. Filed Aug. 20, 1921. Serial No. 493,954. 1 Claim. (Cl. 123—169.)

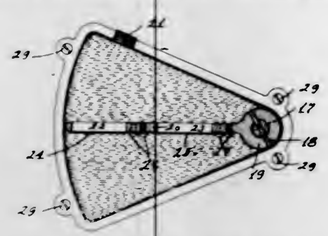


A spark plug comprising two metal shells screwed together to hold an insulator; an insulator having a central bore longitudinally therein and with internal threads therein to receive a sleeve nut; a sleeve nut screwed in said bore and having a valve seat on its lower end; a hollow terminal post formed on the outer end of said sleeve nut; a valve stem spaced from and carried in said sleeve nut; a spiral spring carried on said stem and within the hollow of said terminal post to seat a valve; and a valve formed on said stem adapted to seat in the lower end of said sleeve nut.

1,464,686. HYDRAULIC SHOCK ABSORBER. MURLIN D. TAYLOR, Chicago, Ill. Filed Nov. 3, 1921. Serial No. 512,425. 1 Claim. (Cl. 188—89.)

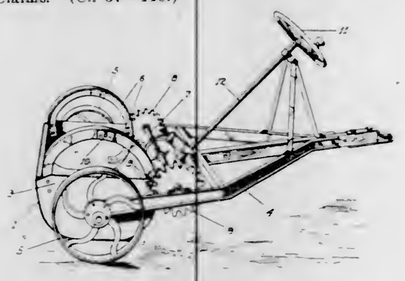
A shock absorber comprising a segment shaped, fluid tight casing having apertures in its restricted end, flanged bearings extending through said apertures with

the flanges thereof resting against the inner surface of the casing, means for binding said bearings to said casing with a water tight fit, a shaft rotatably supported



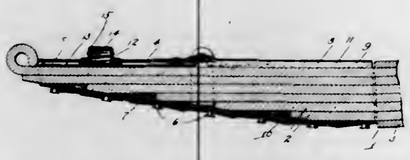
in said bearing and extending through one of them, a vane secured upon said shaft within said casing and a lever secured to said shaft beyond said casing for the purpose described.

1,464,687. SCRAPER. DAMON R. THROOP, Stockton, Calif. Filed July 24, 1922. Serial No. 577,087. 4 Claims. (Cl. 37—118.)



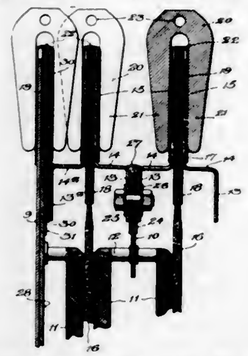
1. A scraper comprising a frame, a bowl pivoted therein, said bowl having a scraping edge, a plurality of pins projecting horizontally in fixed relation to the bowl and arranged in an arc concentric with the axis thereof, toothed wheels whose teeth are positioned in the path of movement of said pins, the latter having a spacing equal to that of the teeth and being engaged thereby when the scraping edge is adjacent the ground, and means for rotating the wheels.

1,464,688. LUBRICATING ATTACHMENT FOR VEHICLE SPRINGS. ROMEO L. WILLIAMSON, Columbus, Ohio. Filed Oct. 12, 1921. Serial No. 507,325. 4 Claims. (Cl. 267—37.)



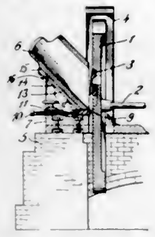
1. In a lubricating attachment for vehicle springs, a flexible covering adapted to be detachably secured around the leaves of a vehicle spring, a pad formed from an absorbent material adapted to be positioned between the leaves of said spring and said covering, said pad being formed to include portions capable of extending parallel with the sides and top of said spring, said pad being divided to provide a longitudinally extending lubricant groove on the top of said spring, and means cooperative with said covering for permitting of the introduction of a lubricant into said groove.

1,464,689. ELECTROLYTIC CELL STRUCTURE. WILLIAM G. ALLAN, Toronto, Ontario, Canada, assignor to The Toronto Power Company, Limited, Toronto, Canada, a Corporation of Ontario, Canada. Filed Sept. 2, 1920. Serial No. 407,639. 11 Claims. (Cl. 204—5.)



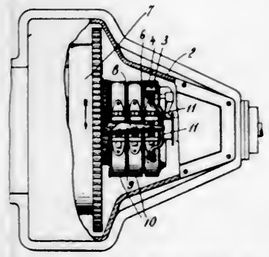
1. In electrolytic apparatus, the combination, with cell casing members having a pair of cooperating assembling flanges, of clamp means extending around the adjacent edges of said flanges and holding them together.

1,464,690. WOOD CHIPPER. DENNIS C. ANDREWS, Cloquet, Minn. Filed Mar. 23, 1923. Serial No. 627,008. 5 Claims. (Cl. 83—75.)



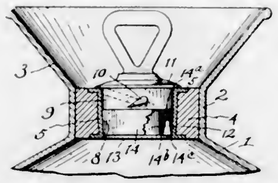
1. A cutting knife for a wood chipper of the class described, said knife being adapted to cooperate with a knife rotated in a plane at substantially right angles to said cutting knife, and said cutting knife having its upper front edge beveled to serve as a continuation of the feeding spout.

1,464,691. TRANSMISSION. GUY L. BAYLEY, Chappaqua, N. Y. Filed May 24, 1922. Serial No. 563,244. 4 Claims. (Cl. 188—259.)



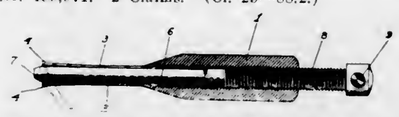
3. In a brake mechanism, a brake band having a lining or facing of fabric material uniformly impregnated with colloidal graphite to increase the heat conductivity of the band and to provide lubrication, and means for discharging oil upon the free face of the band.

1,464,692. CLOSURE MEMBER FOR LIQUID CONTAINERS. ADELBERT E. BRONSON, Cleveland, Ohio, and JOHN J. BOWES, Jr., Pensacola, Fla. Filed Dec. 1. 1921. Serial No. 519,122. 6 Claims. (Cl. 215—50.)



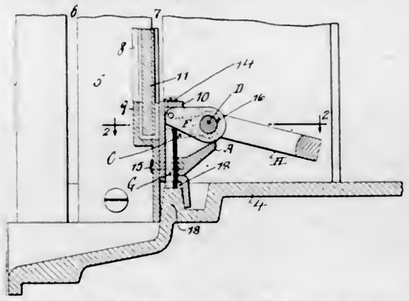
1. In a device of the character described, the combination with a member having in part a substantially cylindrical inner wall and in part a tapering wall, of a stopper body adapted for insertion within said member said stopper body having a groove, a gasket within said groove, said gasket having a thickened body portion and a depending outer wall, the thickened portion of the gasket being engaged and compressed by the tapering portion of the said member when the stopper is inserted and the said depending wall lying in engagement with the said tapered portion of the said member.

1,464,693. BEARING EXTRACTOR. ERNEST P. CAMPBELL, Stockton, Calif. Filed Sept. 12, 1921. Serial No. 499,971. 2 Claims. (Cl. 29—88.2.)



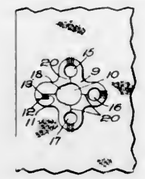
1. A bearing extractor comprising a hollow shank having a plurality of jaws at one end, said jaws being normally adapted to pass through the bore of a bearing and enclosing a hollow area, inwardly projecting shoulders on the jaws, and a cylindrical pin having a short taper on its outer end fitted in the hollow area, said pin being of larger diameter than said shoulders and adapted to be moved outwardly of the jaws, such movement being able to be continued after the taper portion of the pin has passed outwardly of the shoulders.

1,464,694. WINDOW-SASH BOOSTER. HARRY E. CAMPBELL, New York, N. Y., assignor to Campbell Metal Window Corporation, Baltimore, Md., a Corporation of Maryland. Filed Apr. 13, 1922. Serial No. 552,321. 5 Claims. (Cl. 20—52.)



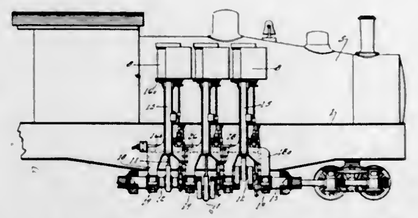
1. A window-frame, a sliding sash therein, a lever handle mounted on said sash adapted to be used in the ordinary manner to open or close such sash throughout the full movement thereof, and a member pivoted to said lever handle and normally abutting on said frame; the said parts being so arranged that, the sash being closed, a movement of the handle resulting from the ordinary movement to open the sash will cause said pivoted member to force said sash away from its seat.

1,464,695. FASTENER. FRED S. CARR, Newton, Mass., assignor to Carr Fastener Company, Cambridge, Mass., a Corporation of Maine. Filed Mar. 8, 1921. Serial No. 450,746. 12 Claims. (Cl. 24—216.)



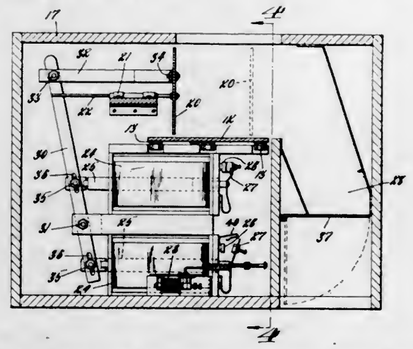
1. A socket for a separable fastener, comprising a resilient element having a stud-receiving aperture therein, said resilient element discontinuous at one side to permit resilient enlargement of the stud-receiving aperture, and said resilient element providing interlocking parts limiting the extent of enlargement of the stud-receiving aperture.

1,464,696. LOCOMOTIVE. ALBERT CLAYPOOLE, Portland, Oreg., assignor to Willamette Iron and Steel Works, Portland, Oreg., a Corporation of Oregon. Filed Jan. 6, 1923. Serial No. 611,017. 5 Claims. (Cl. 105—42.)



1. In a locomotive, the combination with a locomotive frame and boiler of an engine having a plurality of cylinders; an integral frame section extending from each cylinder and having uprights carrying cross head guides; a head at the top of the uprights secured to one of the cylinders; a head at the bottom of the uprights; and an off-set extension on the bottom head carrying a mounting for a crank shaft bearing.

1,464,697. ANIMAL TRAP. BARTHOLOMEW CONNOLLY, Boston, Mass. Filed Apr. 17, 1922. Serial No. 554,056. 3 Claims. (Cl. 43—75.)



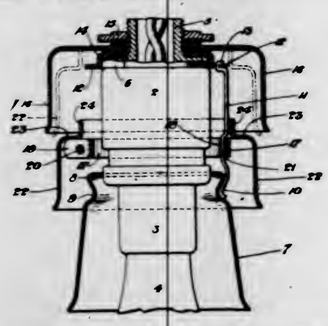
1. An animal trap comprising an electric motor, fixed and movable contacts, a circuit for said motor controlled by said contacts, a movable platform carrying said movable contact and normally biased to hold said contacts separated but actuated by the weight of an animal thereon,

to close said contacts, and a ram operatively related to said motor to be advanced at each energization thereof by the closing of said contacts over said platform, to knock the animal therefrom and then to be retracted.

1,464,698. MANUFACTURE OF HEAT-INSULATING ARTICLES. JAMES H. DELANY, San Jose, Calif. Filed Nov. 22, 1921. Serial No. 517,138. 11 Claims. (Cl. 49—83.)

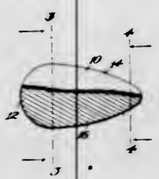
1. The improvement in the manufacture of articles having heat-insulating properties due to a vacuum hermetically sealed in glass, which comprises the production, within their interior sealed spaces, of such vacuum as the sole result of the condensation of a gas or vapor confined therein.

1,464,699. SHADE HOLDER. WILLIAM A. DUNLAP, Pittsburgh, Pa. Filed Sept. 22, 1920. Serial No. 411,886. 5 Claims. (Cl. 240—128.)



1. A supporting clamp for reflectors comprising a plate having a recess formed therein for the reception of the base of a socket, said recess being centrally apertured and surrounded by a flange, a plurality of resilient arms depending from the flange, clamping terminals at the lower ends of said arms, and a split ring embracing said arms and provided with a bolt by means of which it may be expanded or contracted.

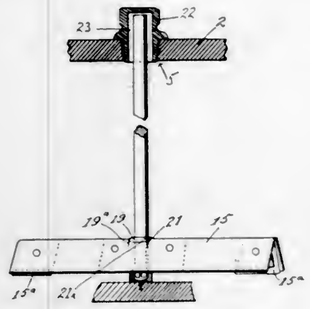
1,464,700. TRITURATING MEMBER. ARTHUR FELST, New York, N. Y. Filed Jan. 17, 1922. Serial No. 529,867. 4 Claims. (Cl. 83—9.)



1. A tumbling element for tube mills, said element being substantially disk-shaped in plan and having a rounded peripheral edge and decreasing in thickness along curved lines from a point on one side of the center of the plan thereof to all points at its peripheral edge.

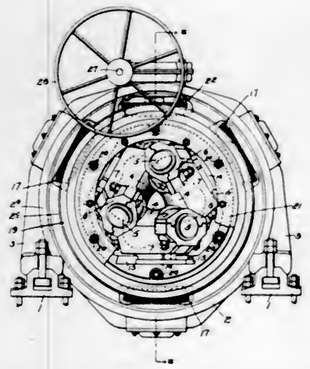
1,464,701. BARREL AGITATOR. EDGAR G. FRELINGER, Fort Thomas, Ky. Filed Jan. 29, 1921. Serial No. 441,063. 4 Claims. (Cl. 259—134.)

1. In combination with a barrel having a top and one side hole, a vertical shaft, means in the bottom head of the barrel and on the shaft forming a journal for the shaft, said two means being attachable by thrusting the shaft means into the barrel head means, an agitator blade adapted to be inserted through the side hole, said blade having means for engaging slidably over the shaft,



and so formed that it will upon revolution of the shaft be revolved, and upon revolution will tend to force itself downwardly toward the bottom head of the barrel remaining slidably mounted on the shaft.

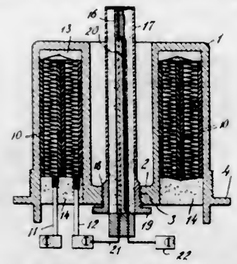
1,464,702. ROLLING MILL. CHAUNCEY P. FULLER, Belle Vernon, Pa. Filed Oct. 23, 1920. Serial No. 418,965. 9 Claims. (Cl. 80—13.)



1. In a rolling mill the combination of three power driven cross rolls identical in shape and size, set at three uniform intervals around a central pass and at equal distances radially therefrom, and with their axes making angles greater than 45° to a plane normal to the pass axis, and having equal angles of obliquity to said pass, means for bodily adjusting all said rolls equally toward and from the pass without altering their obliquity, each roll being approximately a hyperboloid of revolution.

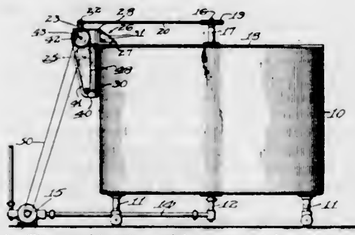
1,464,703. HEATING ELEMENT. LOUIS JAMES FULLER, Brooklyn, N. Y., assignor to Duparquet, Huot & Moneuse Company, New York, N. Y., a Corporation of New York. Filed Feb. 2, 1922. Serial No. 533,577. 9 Claims. (Cl. 219—38.)

1. A heating element comprising a main portion consisting of a plurality of coils of resistance wire and an auxiliary portion comprising a single coil of resistance wire, said coil being segregated and independently insulated and arranged at a different level from the coils of the main portion of the heating element, whereby said



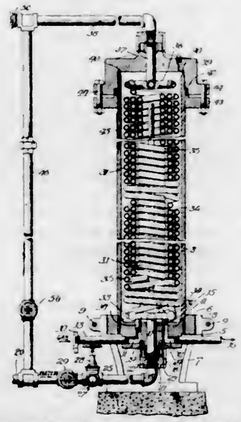
coil may serve to prevent the resistance wire in the main portion of the unit from overheating.

1,464,704. MOTOR-DRIVEN PASTEURIZER. MORRIS GOLDBERGER, Chicago, Ill., assignor to Cresco Creamery Supply Co., Chicago, Ill., a Corporation of Illinois. Filed Oct. 2, 1922. Serial No. 591,710. 10 Claims. (Cl. 74—7.)



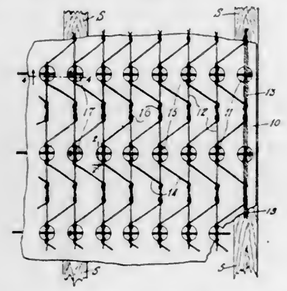
1. The combination with a receptacle, a beam supported across and fixed to the top thereof, and an agitator shaft mounted in a bearing supported on said beam, of a vertical motor mounting plate arranged at one side of the receptacle and fixed thereto, a gear box supported from the beam, a motor mounted on said plate below said box, and a reducing driving transmission supported partly on said plate below said box and partly in the gear box for transmitting driving power from the motor to said agitator shaft.

1,464,705. HEAT-EXCHANGING APPARATUS. JUSTUS C. GOOSMANN, Peoria, Ill. Filed Aug. 24, 1921. Serial No. 494,762. 10 Claims. (Cl. 257—229.)



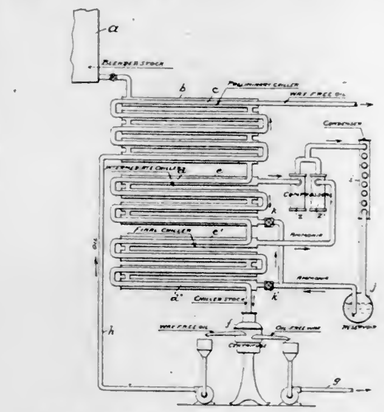
1. In a heat exchanging apparatus, the combination of a closed receptacle, a plurality of coaxially disposed cooling coils of substantially equal lengths arranged therein, means for distributing the fluid to be cooled over said coils, and an outlet from said receptacle.

1,464,706. WIRE LATHING. HERALD B. GREENING, Hamilton, Ontario, Canada. Filed Aug. 12, 1922. Serial No. 581,526. 2 Claims. (Cl. 72—116.)



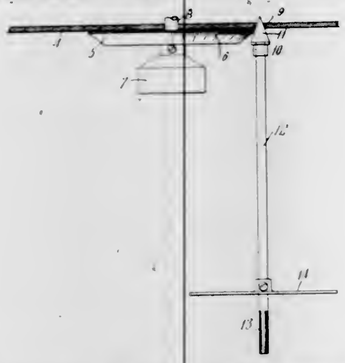
1. The combination with a sheet of building material having vertically spaced rows of horizontally spaced openings; of a wire lathing comprising a series of vertical strands spaced to extend across the centers of the openings and lacing strands each twisted about a vertical strand at the openings intersected thereby and twisted about an adjacent vertical strand intermediate the openings intersected by the formerly mentioned vertical strand, and retaining wires on the opposite side of the sheet from said wire lathing and extending in front of the twisted portions at the opening.

1,464,707. PROCESS OF SEPARATING WAX FROM MINERAL-OIL LUBRICATING STOCK. CYRUS HOWARD HAPGOOD, Nutley, N. J., assignor to The De Laval Separator Company, New York, N. Y., a Corporation of New Jersey. Filed Oct. 22, 1921. Serial No. 509,669. 2 Claims. (Cl. 196—24.)



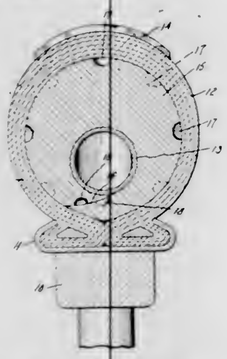
1. The process of treating lubricating oils containing waxes in solution to separate the wax from the oil which comprises subjecting the stock to two successive refrigerating treatments, thereby throwing the waxes out of solution, and then subjecting the oil and precipitated wax to centrifugal force and separately discharging the oil-free wax and the wax-free oil; the first refrigerating treatment comprising flowing the wax-free oil into heat exchange relation with the stock whereby the former absorbs heat from the latter, and the second refrigerating treatment comprising the cooling of the stock by direct expansion of ammonia.

1,464,708. DEVICE FOR ELIMINATING BODY CAPACITY EFFECTS IN RADIO INSTRUMENTS. THOMAS M. HARRIGAN, Woodstock, Vt. Filed Dec. 20, 1922. Serial No. 608,089. 1 Claim. (Cl. 74—7.)



A device of the character described comprising, in combination, a panel, a dial rotatably mounted on said panel, said panel being provided with an opening therein located adjacent to the periphery of said dial, a flexible friction member positioned on said panel and projecting into said opening and engaging the periphery of said dial and a rod fast at one end thereof to said friction member and embodying therein a handle portion at the other end thereof.

1,464,709. PNEUMATIC TIRE. MICHAEL J. HERZOG, New York, N. Y. Filed May 29, 1922. Serial No. 564,405. 1 Claim. (Cl. 152—10.)

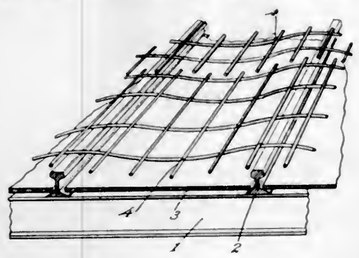


A tire comprising an outer shoe, an inner inflatable tube therein, and a resilient protective lining interposed between said shoe and tube, said lining forming a continuous annular longitudinally split removable body in close contact throughout its length with the inner face of said shoe and being provided in its face abutting against the inner face of said shoe with a plurality of recesses, the split portions of said lining overlapping opposite the tread surface of the tire and being provided in their abutting faces each with a plurality of recesses.

1,464,710. PROCESS OF PRETREATING DRIED YEAST TO INCREASE THE BAKING STRENGTH. ARTHUR W. HIXSON, Leonia, N. J., assignor to The Fleischmann Company, New York, N. Y., a Corporation of Ohio. Filed Dec. 20, 1920. Serial No. 432,037. 3 Claims. (Cl. 195—20.)

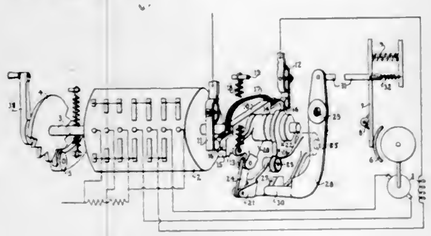
3. A fermentable solution comprising a fermentable sugar solution containing substantially 5 per cent of fermentable sugar, .3 per cent calcium sulfate, .2 per cent calcium phosphate, .1 per cent potassium acid tartrate, .1 per cent ammonium di-hydrogen phosphate, and less than .1 per cent sodium chlorid.

1,464,711. ROOF AND FLOOR CONSTRUCTION. EDWARD CLYDE HOGE, Cincinnati, Ohio. Filed Mar. 11, 1922. Serial No. 542,974. 3 Claims. (Cl. 72—71.)



1. A roof or floor structure for buildings comprising interspaced metal girders with metal bars having base flanges and an expanded top laid in interspaced relation transverse the girders, composition boards supported on the flanges of the cross bars to form a permanent under surface, and a support for the poured portion of the roof or floor while setting, and continuous metal reinforcement extending transversely of the cross bars and substantially contacting with but not secured to the boards between the cross bars, and resting on the tops of the bars, and a poured body filling the spaces between the cross bars and extending above the cross bars, as and for the purpose described.

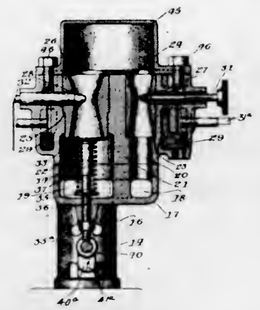
1,464,712. MOTOR CONTROLLER. RICHARD B. HUNTER, Milwaukee, Wis., assignor to The Cutler-Hammer Mfg. Co., Milwaukee, Wis., a Corporation of Wisconsin. Filed Mar. 31, 1921. Serial No. 457,204. 10 Claims. (Cl. 192—2.)



1. In a controller for an electric motor, the combination with a brake element and a circuit controlling device for the motor, of a switch controlling the line connection of the motor, said switch being biased to open position, means providing for closure of said switch upon movement of said device into a given position and for permitting opening thereof upon movement of said device out of such position and means associated with said element for locking said switch in closed position independently of said device and for releasing the same upon given operations of said element.

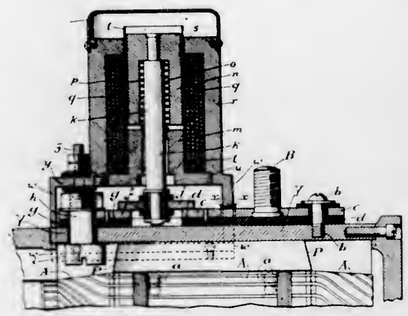
1,464,713. CARBURETOR. EDWARD A. JOHNSTON, Chicago, Ill., assignor, by mesne assignments, to International Harvester Company, a Corporation of New Jersey. Filed Nov. 6, 1916. Serial No. 129,838. 2 Claims. (Cl. 123—52.)

1. In a charge forming device for internal combustion engines, the combination of an engine cylinder having an intake, a carburetor having a plurality of mixing chambers, a plurality of adjacent horizontal passageways con-



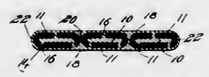
nected therewith and terminating in a single downwardly extending passageway connected to the cylinder intake and a throttle valve in said downwardly extending passageway.

1,464,714. ENGINE-STARTING APPARATUS. ARTHUR ATWATER KENT, Ardmore, Pa. Filed May 22, 1920. Serial No. 383,497. 16 Claims. (Cl. 172—36.)



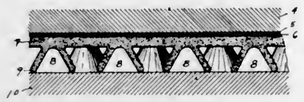
1. The combination with an engine starting motor, of a fixed switch contact secured directly upon and insulated from a stationary portion of said motor, a co-acting movable contact, an electro-magnet whose movable member carries said movable contact, and a magnet housing secured to said stationary portion and enclosing the magnet winding and said movable contact

1,464,715. FABRIC AND METHOD OF MAKING THE SAME. EDWARD F. KING, Providence, R. I. Filed Nov. 16, 1920. Serial No. 424,492. 5 Claims. (Cl. 154—2.)



1. The herein described method of forming a fabric consisting in enclosing a soft rubber core in a permeable, interstitial textile sheath, arranging a series of lengths of the same in parallelism adjacent each other, and subjecting the thus arranged lengths to heat and pressure and thereby softening the core and spreading its substance through the sheath and uniting the lengths in a homogeneous fabric.

1,464,716. PNEUMATIC RUBBER BLANKET. HERMAN ALBERT KING, Portland, and EDWIN O. ISLER, Hillsdale, Oreg. Filed Oct. 14, 1920. Serial No. 416,955. 4 Claims. (Cl. 154—54.6.)

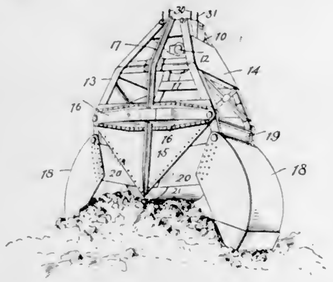


4. A printer's blanket consisting of a sheet of rubber adapted to be secured around the cylinder of a press and having formed on its cylinder-engaging face a plurality of cup members projecting entirely beyond the cylinder side of said blanket and having flared openings which do not extend into the sheet portion of the blanket, said cup members forming diagonal rows in which said cups have closer spacing than in the rows of cups which are parallel to one edge of the sheet, and a continuous border equal in height to said cups adapted to confine air between said blanket and the press cylinder outside of said cups.

1,464,717. COATED WATERPROOF SHEETING. LESTER KIRSCHBAUM, Evanston, Ill. Filed Feb. 1, 1919, Serial No. 274,495. Renewed Jan. 27, 1923. 3 Claims. (Cl. 154—51.)

1. A process of making a waterproof covering consisting in forming a waterproof fibrous sheet, and then applying bitumen coating thereto in an aqueous vehicle containing an emulsifying agent and a minor percentage of fibre.

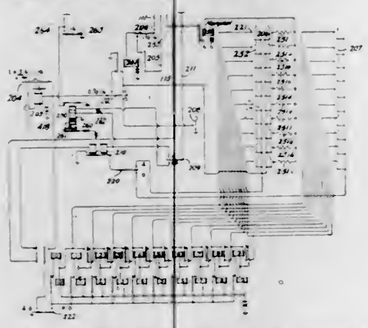
1,464,718. GRAB BUCKET. FREDERICK W. LOVELL, Cleveland, Ohio, assignor to The McMyler Interstate Company, Cleveland, Ohio, a Corporation of Ohio. Filed Jan. 26, 1921. Serial No. 440,214. 14 Claims. (Cl. 37—186.)



1. In a grab bucket, a frame having a relatively fixed sheave holder at the top and a lower movable sheave holder in the form of a cross-head, a pair of jaws connected to the frame and having operating arms connected to the cross-head, said frame being in the form of a rigid structure with two opposite sides inclined inward toward the upper sheave holder and two opposite sides having parallel portions on which the cross-head is guided, and inwardly inclined portions above the parallel portions, said relatively fixed sheave holder being mounted within the upper portion of the frame between the last mentioned inwardly inclined side portions.

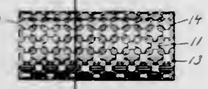
10. In a grab bucket, a housing having an upper sheave holder, a lower sheave holder movable vertically in the housing and guided thereby, a pair of jaws having arms connected to the ends of the lower sheave holder, and links connected to the lower outer portions of the housing and connected to upper outer corners of the jaws, the links being inclined outwardly from the housing to the jaws when the latter are closed and inclined inwardly from the housing when the jaws are full open.

1,464,719. TELEPHONE-EXCHANGE SYSTEM. ALBEN E. LUNDELL, New York, N. Y., assignor to Western Electric Company, Incorporated, New York, N. Y., a Corporation of New York. Filed Sept. 21, 1918. Serial No. 255,114. 15 Claims. (Cl. 179—27.)



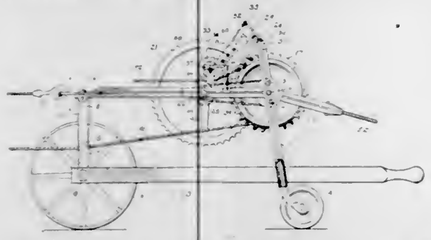
1. In a telephone exchange system, a calling and a called line, means including a selectively operable switching device for interconnecting said lines, a variably adjustable controlling apparatus, means to adjust said apparatus to a setting in accordance with the designation of said called line, means dependent on the adjustment of said apparatus for variably operating said device, means to readjust a portion of the setting of said apparatus, and means operative thereupon to operate said device in accordance with said readjusted setting.

1,464,720. ORNAMENTAL ROPE. SAHATIEL G. MANDALIAN, North Attleboro, Mass. Filed Jan. 27, 1922. Serial No. 532,224. 2 Claims. (Cl. 41—34.)



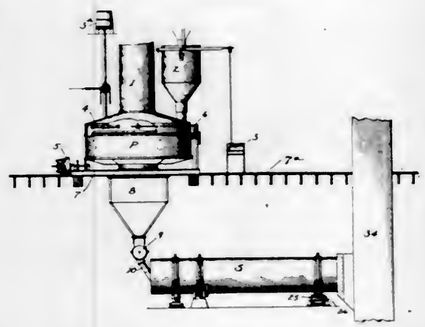
1. An ornamental rope comprising a pliable core, and a metallic link mesh sheath surrounding and engaging the core.

1,464,721. PULLING MACHINE. JOHN MARTINSON, Duluth, Minn. Filed May 22, 1922. Serial No. 562,372. 3 Claims. (Cl. 254—166.)



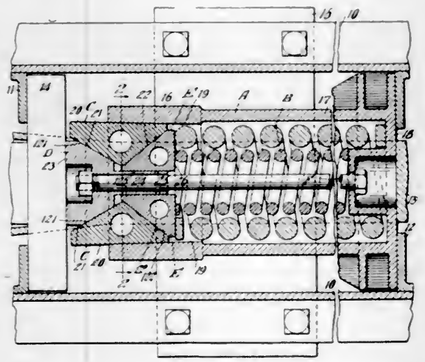
1. A portable pulling machine of the character described including a frame structure, two spaced rotatable shafts within said structure, a line pulling drum mounted about one of the shafts, a worm wheel for driving said drum and concentric therewith, a worm pivotally mounted upon the other shaft and cooperatively engaged with the worm wheel, means intermediate of the two shafts whereby the operation of one operates the other, means intermediate of the second mentioned shaft and the worm whereby power and motion is imparted from said shaft to the worm, and an anchoring attachment, substantially as described.

1,464,722. LIME-HYDRATING APPARATUS. HUGH MISCAMPBELL, Duluth, Minn. Filed Jan. 17, 1920. Serial No. 352,014. 5 Claims. (Cl. 222—4.)



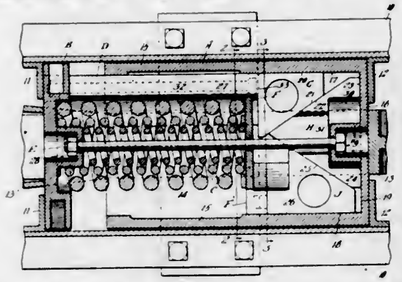
1. In lime hydrating apparatus, a primary mixing mechanism adapted to receive lime and water in predetermined quantities and mix the same, means to periodically deliver to said mechanism predetermined quantities of lime, means to periodically deliver to said mechanism predetermined quantities of water, a secondary mixing apparatus for thoroughly completing the mixing of the said materials, said secondary mixing apparatus comprising an elongated drum having means for repeatedly agitating the material being treated and moving it from one end of the drum to the other, said means comprising helical flights extending substantially the length of the drum, and mechanism for rotating said drum, and means for controlling the delivery of the material from the primary to the secondary mixer.

1,464,723. FRICTION SHOCK-ABSORBING MECHANISM. JOHN F. O'CONNOR, Chicago, Ill., assignor to William H. Miner, Chazy, N. Y. Filed July 19, 1922. Serial No. 575,961. 7 Claims. (Cl. 213—32.)



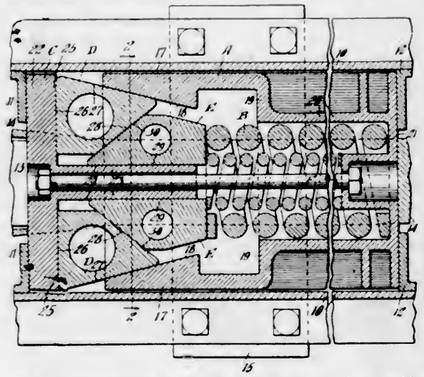
1. In a friction shock absorbing mechanism, the combination with a friction shell; of a spring resistance; and a friction-generating wedge system cooperable with the shell and movable relatively thereto, said system comprising a plurality of elements, certain of said elements cooperating directly with the shell and provided with inner wedge faces, and some of said elements sliding on each other to create friction additional to that generated by the wedge action proper, and provided with wedge faces directly co-acting with the wedge faces of said elements cooperating with the shell.

1,464,724. FRICTION SHOCK-ABSORBING MECHANISM. JOHN F. O'CONNOR, Chicago, Ill., assignor to William H. Miner, Chazy, N. Y. Filed Aug. 7, 1922. Serial No. 580,010. 5 Claims. Cl. 213—32.)



1. In a friction shock absorbing mechanism, the combination with a friction shell having opposed longitudinally extending friction surfaces and a transverse friction surface; of duplicate sets of friction elements, each set comprising a plurality of cooperable wedge-friction-shoes, there being one shoe of each set in engagement with each of said friction surfaces of the shell; a spring resistance; and means for actuating each set of friction elements.

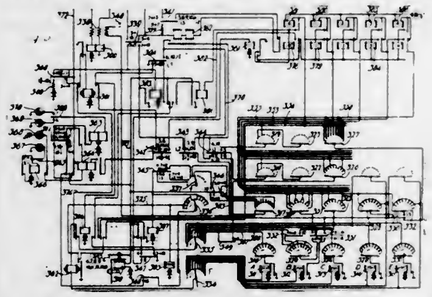
1,464,725. FRICTION SHOCK-ABSORBING MECHANISM. JOHN F. O'CONNOR, Chicago, Ill., assignor to William H. Miner, Chazy, N. Y. Filed Nov. 13, 1922. Serial No. 600,561. 1 Claim. (Cl. 213—26.)



In a friction shock absorbing mechanism, the combination with a friction shell; of a spring resistance; a follower having an extension projecting within the shell, the distance between the surfaces of said projection and the corresponding interior opposed surfaces of the shell, progressively decreasing inwardly of the shell; an outer set of friction shoes, each frictionally cooperable with the shell and the follower; and an inner set of friction shoes each frictionally cooperable with one of said friction shoes of the first named set and with the follower extension, each of said friction shoes of the inner set having a flat bearing surface at its inner end, the adjacent end of the spring resistance engaging said bearing surfaces of the friction shoes of the inner set.

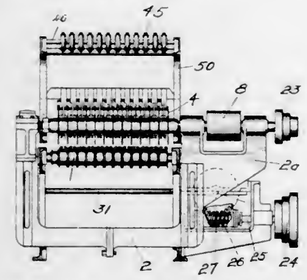
1,464,726. TELEPHONE-EXCHANGE SYSTEM. LIPA POLINKOWSKY, Antwerp, Belgium, assignor to Western Electric Company, Incorporated, New York, N. Y., a Corporation of New York. Filed Apr. 30, 1920. Serial No. 377,981. 17 Claims. (Cl. 179—18.)

1. In a telephone system, a telephone line, a selective switch, a controlling mechanism including a multi-position register, impulse sending means for advancing said register to one of its set positions, means controlled in accordance with the set position of said register for operating the selective switch to extend said telephone



line, means for releasing said switch, and means for again operating said switch in accordance with the original setting of said register.

1,464,727. MATCH-BLOCK SAWING MACHINE. MYRON R. RAWSON, Spokane, Wash., assignor to John H. Bolin, Sandpoint, Idaho. Filed June 7, 1921. Serial No. 475,811. 2 Claims. (Cl. 143—49.)



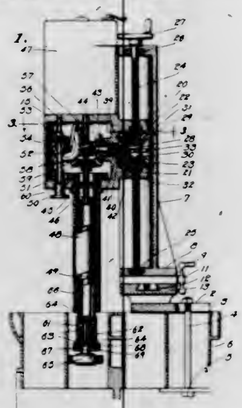
1. The combination in a sawing machine with a gang saw, of a duplex chain feed adapted to grip its work and comprising a lower series of spaced chains extending to the front and rear of the gang saw, supporting means for the upper flight of said chains, a complementary upper series of chains extending from front to rear of the machine, said upper series and lower series passing between gang saws, and resilient means bearing on the lower flight of the upper series of chains for holding the latter chains in operative relation to the lower chains.

1,464,728. PORTABLE GRINDER. CHARLES R. ROSS, Kansas City, Mo., assignor of one-half to William D. Kline, Kansas City, Mo. Filed Sept. 6, 1921. Serial No. 498,875. 3 Claims. (Cl. 51—261.)

1. A portable grinder comprising a standard, a slide mounted on the standard, a feed screw carried by the standard, spaced bevel gears on the feed screw, a clutch interposed between the gears and movable to alternately engage said gears, a bevel gear in mesh with said spaced gears, a shaft supporting it, another bevel gear on said shaft, a driving shaft, a bevel gear in mesh with the last named gear, a grinding tool rotated by the driving shaft, a bearing member for the grinding tool, in which the grinding tool is eccentrically mounted, and means for rotating the bearing member from the drive shaft.

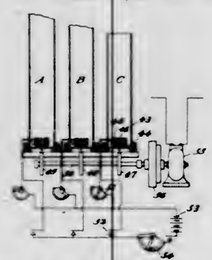
2. A portable grinder comprising a hollow standard, a slide mounted on the standard and having spaced tongues, a feed screw carried by the standard and in threaded engagement with the tongues, spaced beveled gears mounted in the tongues and surrounding the feed screw, a clutch interposed between the gears and mov-

able to alternately engage said gears, the clutch having rotative movement with the screw, a beveled gear in mesh with the spaced gears, a shaft supporting it, another beveled gear on the shaft, a driving shaft, a beveled gear in mesh with the last named gear, and a grinding tool rotated by the driving shaft.



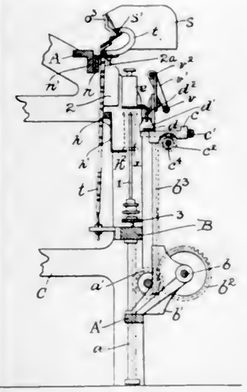
3. A portable grinder comprising a hollow standard, a slide mounted on the standard and having spaced tongues, a feed screw carried by the standard and in threaded engagement with the tongues, spaced beveled gears mounted in the tongues and surrounding the feed screw, a clutch interposed between the gears and movable to alternately engage said gears, the clutch having rotative movement with the screw, a beveled gear in mesh with the spaced gears, a shaft supporting it, another beveled gear on the shaft, a driving shaft, a beveled gear in mesh with the last named gear, a grinding tool rotated by the driving shaft, a bearing member for the grinding tool in which the grinding tool is eccentrically mounted, a gear on the bearing member, a shaft carried by the slide, a pinion on the shaft engaging the gear on the bearing member, and means for rotating the last named shaft from the driving shaft.

1,464,729. METHOD OF AND MEANS FOR PRODUCTION OF SONOROUS VIBRATIONS. MELVIN L. SEVERY, Los Angeles, Calif. Filed Oct. 6, 1917. Serial No. 195,077. 33 Claims. (Cl. 84—1.)



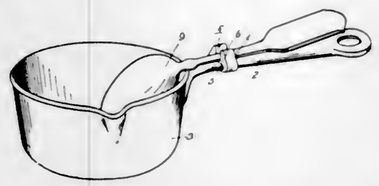
1. The method of producing musical tones which consists in connecting with a body capable of sonorous vibration, a magnet-core provided with means for energizing the same; and moving through the effective field of said core an armature of magnetically inductive material provided with regularly recurring sections, each section being of unequal mass at different points in the direction of movement of the armature, successive sections being caused to pass through the magnet field with a frequency corresponding to the frequency of vibration necessary to produce the predetermined tone.

1,464,730. DOFFING APPARATUS FOR SPINNING, DOUBLING, TWISTING, AND LIKE MACHINES. ALFRED STELL, Steeton, near Keighley, and JOHN STELL, Keighley, York, England. Filed May 3, 1918. Serial No. 232,233. 3 Claims. (Cl. 118—18.)



3. In spinning, doubling, twisting and like machines, a series of spindles, a series of receptacles, means for raising and lowering said receptacles, means for moving said receptacles horizontally in directions at right angles to each other, a series of caps mounted on said spindles, supports for said caps, a bar carrying said supports and the supports for a series of dividing plates or tins and thread guide boards, and means for operating said bar horizontally to move said plates or tins, cap holders simultaneously.

1,464,731. SPOON HOLDER. FREDERIC LEVI SMITH, Pittsford, N. Y.; Margaret Christy Smith, administratrix of said Frederic Levi Smith, deceased, assignor to Margaret Christy Smith, Northampton, Mass. Filed Mar. 26, 1921. Serial No. 455,896. 2 Claims. (Cl. 65—65.)

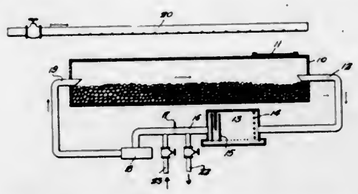


1. A spoon holder, comprising a bracket, a pair of prongs formed at the bottom of said bracket, one at each side thereof, and extending inwardly and upwardly therefrom, said prongs being adapted to embrace the handle of a pan on the under side, a pair of lugs at the top of said bracket, the outer side of each of said lugs being inclined outwardly from the center of said bracket around the handle and the inner side of each of said lugs being vertical and forming a bifurcation between them, said holder being adapted to hold the handle of the spoon in line with the handle of the pan to which it is attached.

1,464,732. COOLING AND STABILIZING CHARCOAL. ORIN F. STAFFORD, Eugene, Oreg. Filed Aug. 19, 1920. Serial No. 404,500. 9 Claims. (Cl. 202—2.)

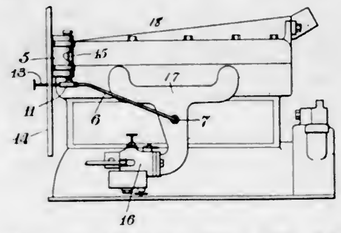
2. A process of cooling and quick-aging hot charcoal, embracing the steps of contacting hot charcoal with a cool inert gas, until its temperature drops considerably,

then gradually substituting an oxygen-containing atmosphere for said inert gas atmosphere, and holding the



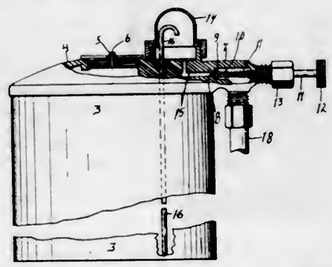
charcoal in contact with such oxygen-containing atmosphere while such charcoal is maintained at a quick-aging temperature.

1,464,733. SYSTEM OF LUBRICATING GAS ENGINES. EDWARD O. STERNS, Columbus, Ohio, assignor to The Stearns Gas Engine Lubricator Company, Columbus, Ohio, a Corporation of Ohio. Filed July 26, 1921. Serial No. 487,753. 1 Claim. (Cl. 123—196.)



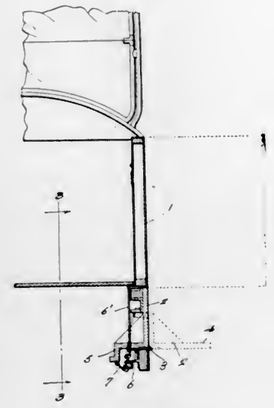
Means for lubricating the cylinder walls of an internal combustion engine, comprising an auxiliary lubricant supply source, a conduit leading therefrom to the intake manifold of said engine in combination with a valve located in said conduit adapted to be operated by the suction created in said manifold whereby said lubricant will cease to flow from said source when said engine is idle and be caused to flow upon the intake stroke of the piston of said engine when said engine is in operation.

1,464,734. SYSTEM OF LUBRICATION. EDWARD O. STERNS, Columbus, Ohio, assignor to The Sterns Gas Engine Lubricator Company, Columbus, Ohio, a Corporation of Ohio. Filed May 26, 1922. Serial No. 563,868. 6 Claims. (Cl. 123—196.)



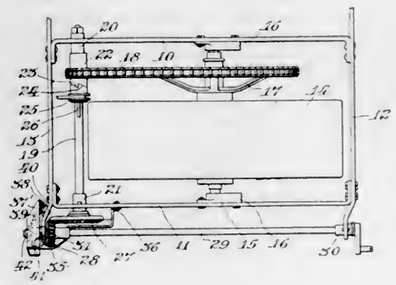
6. In a lubricating system of the type set forth the combination with an internal combustion engine of a lubricant supply source, a conduit connecting said source to the parts of the engine to be lubricated and means within said conduit operable by the engine vibrations for controlling the supply of lubricant and employing the suction created within said engine for conveying said lubricant to the parts to be lubricated.

1,464,735. VEHICLE STEP. CARL H. VOGEL, Buffalo, N. Y. Filed Feb. 2, 1922. Serial No. 533,545. 1 Claim. (Cl. 280—166.)



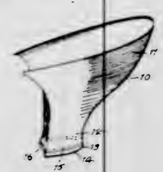
In a vehicle, a movable step therefor comprising a member which is angular in cross section, said member including a step part and a riser part respectively and being so designed to position the riser part in a vertical position and the step part in a horizontal position when the door is open, a lever having one end secured to the door and its opposite end bent and extended at a right angle from the door, a pair of pulleys right angularly disposed to each other, and a flexible element having one end connected to the bent and extended end of the lever thence trained under the pulleys and then being connected to the riser part to hold said riser part horizontally disposed and the step part vertically disposed when the door is closed.

1,464,736. DRIVING MECHANISM. WILLIAM WEBBER, La Grange, Ill., assignor to International Harvester Company, Chicago, Ill., a Corporation of New Jersey. Filed Sept. 9, 1922. Serial No. 587,044. 4 Claims. (Cl. 74—56.)



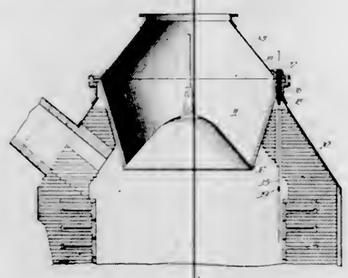
1. In a driving mechanism, a frame, a drive shaft mounted on said frame and having a gear fixed thereto, a driven shaft mounted on said frame having a gear fixed thereto and meshing with said first mentioned gear, a bushing mounted on said frame forming a bearing for said drive shaft and a shield covering said gears and engageable with said bushing for retaining said bushing against rotation.

1,464,737. SHOE HEEL. HARRY WEINBERGER, New York, N. Y. Filed Apr. 5, 1921. Serial No. 458,840. Renewed Jan. 9, 1923. 3 Claims. (Cl. 36—34.)



1. A shoe heel, comprising a body part of wood with a recess in its tread end, and a nail receiving filler of puncturable expansible fibrous material adhesively held in the recess.

1,464,738. GAS-TIGHT TEST ROD. WYMAN EATON and FREDERICK H. WILLCOX, Chicago, Ill., assignors to Freyn, Brassert & Company, Chicago, Ill., a Corporation of Maine. Filed July 11, 1921. Serial No. 483,725. 3 Claims. (Cl. 266—1.)



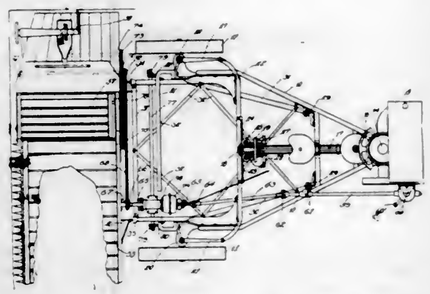
1. A blast furnace having a hole extending from the inside to the outside thereof, a guide pipe in said hole, a test rod in said pipe, a cap for holding said pipe, and a stop on said test rod adapted to form a closure for said pipe, said cap, pipe, rod and stop being removable and replaceable as a unit.

1,464,739. TONE MODULATOR FOR PHONOGRAPHS. WILLIAM J. BAUER, New York, and FREDERICK O. WIERTH and ABRAHAM S. MEADOFF, Brooklyn, N. Y., assignors to Queen Automatic Phonograph Co., Inc., New York, N. Y., a Corporation of New York. Filed Mar. 24, 1921. Serial No. 454,981. 6 Claims. (Cl. 274—27.)



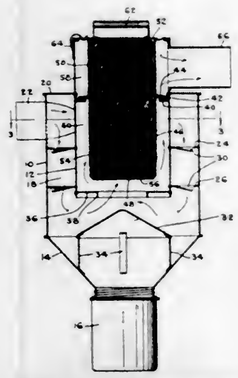
1. In a tone modulator for graphophones, a transmitter bar, a pair of resilient fingers adapted to engage the transmitter bar and means for controlling the engagement of said fingers and bar to vary the pressure of said fingers on said bar and to vary the extent of contact between said fingers and bar, so that said contact may vary from substantially a single point to substantially the entire length of the transmitter bar.

1,464,740. MOTOR BINDER. BERT R. BENJAMIN, Oak Park, WILLIAM WEBBER, La Grange, and CHARLES PEARSON, Chicago, Ill., assignors to International Harvester Company, a Corporation of New Jersey. Filed Nov. 6, 1919. Serial No. 336,089. 17 Claims. (Cl. 180—53.)



1. In combination, a motor propelled vehicle having a source of power, an implement supported thereon and having operative elements, a drive shaft operatively connected to said source of power, reversible power transmission mechanism operatively connected to said drive shaft for vertically adjusting said implement, and means operatively connected to said drive shaft for driving the operative elements on said implement.

1,464,741. AIR CLEANER. ASHLEY C. BENNETT, Minneapolis, Minn. Filed Sept. 25, 1922. Serial No. 590,273. 7 Claims. (Cl. 183—66.)

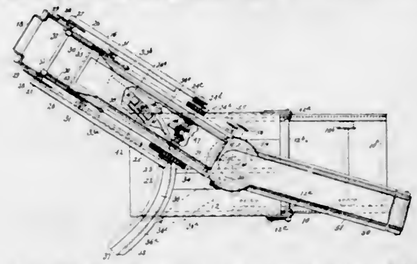


1. An air cleaner comprising a casing having provision for admitting air thereto, means for causing gravity separation of dirt from the admitted air, air outlet means associated with said casing, a mass of filtering material between said gravity separation means and said outlet means, and means for causing air to pass radially inward into said mass of filtering material and radially outward therefrom.

1,464,742. LOADING MACHINE. FRANK BILLINGS and ROBERT P. GREENLEAF, Cleveland, Ohio; said Greenleaf assignor to said Billings. Filed Mar. 18, 1918. Serial No. 223,011. 17 Claims. (Cl. 198—10.)

1. In a loading machine, a sub-base adapted to rest on a track, a frame normally stationary on the sub-base and movable forwardly and rearwardly with respect to the sub-base and adapted to be projected forwardly beyond

the same, digging and conveying mechanism supported on said frame and movable forwardly and rearwardly therewith, said digging and conveying mechanism comprising a front unit for conveying material rearwardly from in front of the machine, and a rear unit which extends rearwardly beyond the machine, the front end of the front unit being movable laterally with respect to the frame, and the rear end of the rear unit being movable laterally with respect to the frame and with respect to the forward unit, and the forward end of the rear unit being at all times in receiving relationship with the rear end of the front unit.

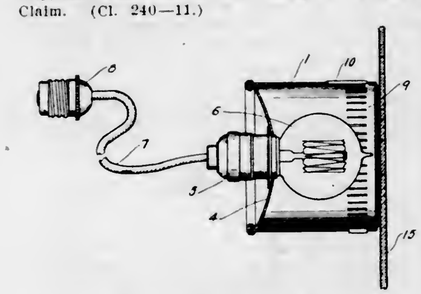


9. In a loading machine, a supporting frame, digging and conveying mechanism movably mounted thereon, one part of said mechanism being guided for forward and rearward movement on the frame, and a forward part guided for a combined lateral and forward or lateral and rearward movement, said digging and conveying mechanism having means for conveying material rearwardly from in front of and at the sides of the machine.

11. In a loading machine, a frame, a conveyor for conveying material rearwardly from in front of the machine, a hoe for scraping material onto the conveyor, a pivoted hoe frame, a crank at the end of the hoe frame and connected to the hoe, and an arm connected to the hoe and at its rear end having sliding engagement with the hoe frame.

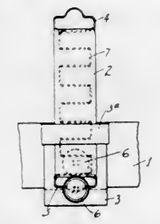
16. In a loading machine, a supporting frame, front and rear conveyors movably supported thereon and movable relatively, the forward end of the rear conveyor and the rear end of the forward conveyor being guided for simultaneous movement forwardly and rearwardly of the frame, and the forward portion of the front conveyor being guided so that it may be moved laterally and substantially in a straight line across the front of the machine.

1,464,743. LANTERN. ETHEL INGALLS BLAIR, Kansas City, Mo. Filed Jan. 9, 1920. Serial No. 350,404. 1 Claim. (Cl. 240—11.)



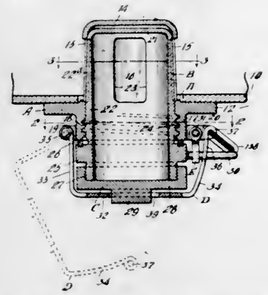
A lantern comprising a casing having longitudinal slots in the perimeter, certain of the slots being larger than certain of the other slots whereby light beams of varying lengths are projected about a common center, the larger slots being equi-distantly spaced about the light source, a reflector in the casing to project light through the slots, and a light source in front of the reflector.

1,464,744. GARMENT-SUPPORTING BELT. EDWARD V. BOWE, San Diego, Calif. Filed July 21, 1921. Serial No. 486,387. 2 Claims. (Cl. 241—9.)



1. A garment supporting belt, including a main belt member adapted to be supported on the hips of the wearer below the waist line, reinforcing members secured thereto, buttons secured to said reinforcing members in vertical rows, a loop member secured to said reinforcing member near the upper edge of the belt, an upright member secured to said belt by one end buttoning on one of the buttons and extending through the loop, its upper end provided with a button engaging member adapted to engage the button on the garment to be supported.

1,464,745. TANK-VALVE MECHANISM. ARGYLE CAMPBELL, Chicago, Ill., assignor to Enterprise Railway Equipment Co., Chicago, Ill., a Corporation of Illinois. Filed Apr. 6, 1921. Serial No. 458,958. 8 Claims. (Cl. 137—21.)

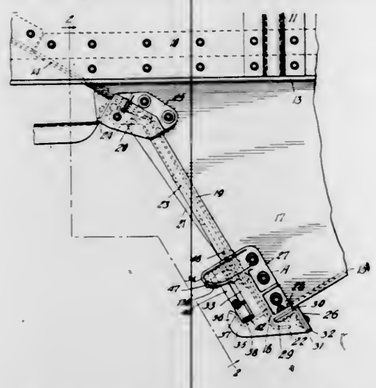


1. In a valve mechanism for tanks having an opening, the combination with an outlet member arranged to be applied from the outer side of the tank and having a portion extended inwardly of the tank through said opening, said portion being provided with a valve seat and a discharge port; of a valve member operable from the exterior of the tank and having a portion extended inwardly of the tank within said portion of the outlet member, said portion being provided with a valve cooperable with said seat, said valve member having its outer end projecting outwardly beyond the tank and threaded and thereby adapted to have a pipe coupled thereto; removable closure for said outer end of the valve member; and means, accessible from the exterior of the tank, for preventing removal of said closure from the valve member.

1,464,746. DUMP-CAR CONSTRUCTION AND DOOR-LOCKING MECHANISM THEREFOR. ARGYLE CAMPBELL, Chicago, Ill., assignor to Enterprise Railway Equipment Company, Chicago, Ill., a Corporation of Illinois. Filed Dec. 10, 1921. Serial No. 521,293. 11 Claims. (Cl. 105—308.)

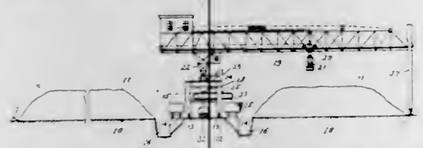
1. In a car having a discharge opening defined by sheets extending in different planes and forming a corner; the combination with a reinforcing member secured to said

sheets at said corner, said member having flanged portions extending in corresponding different planes and



overlying the sheets; of a pivotally mounted door; and cooperable means on the door and said member for locking the door in closed position.

1,464,747. STORAGE AND RECLAIMING PLANT. ARTHUR F. CASE, Cleveland, Ohio, assignor to The Wellman-Seaver-Morgan Company, Cleveland, Ohio, a Corporation of Ohio. Filed Dec. 22, 1919. Serial No. 346,573. 11 Claims. (Cl. 214—10.)



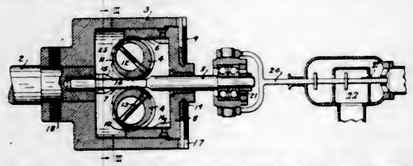
1. A storage and reclaiming plant comprising two storage areas arranged side by side, a traveling bridge adapted to span either storage area, two runways for the bridge, one located between and the other one extending along the outer boundaries of the storage areas, a trackway for cars intermediate the storage areas, and means carried by the bridge for conveying material from the intermediate space to the storage areas.

1,464,748. ANIMAL TRAP. FELIX H. CRAGO, Milltown, Mont., assignor of one-half to Solfest N. Stenson, Missoula, Mont. Filed Mar. 11, 1922. Serial No. 543,038. 6 Claims. (Cl. 43—88.)



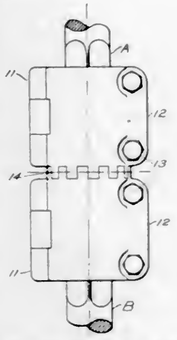
1. A trap comprising a body; a plunger slidable in the body; jaws carried by the plunger and closed when the plunger is retracted; a trigger pivoted to the body; means for connecting the trigger to the plunger; and a spring which is compressed when the plunger is advanced, the spring constituting means for retracting the plunger, and constituting means for swinging the trigger downwardly thereby to effect a raising of the forward end of the body and the jaws when the trap is sprung.

1,464,749. GOVERNOR. HANS P. DAHLSTRAND, Wauwatosa, Wis., assignor to Allis-Chalmers Company, Milwaukee, Wis., a Corporation of Delaware. Filed Mar. 31, 1919, Serial No. 287,060. Renewed Mar. 30, 1922. Serial No. 548,191. 20 Claims. (Cl. 264—17.)



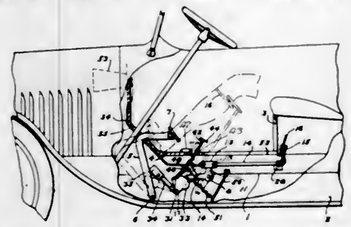
1. In a governor, a support having an axis, a weight revoluble about said axis and movable only in a direction parallel to said axis by centrifugal force developed in said weight, means for controlling the speed of revolution of said weight, and means for applying the motion of said weight to vary the position of said controlling means.

1,464,750. BIT CLAMP. BENJAMIN F. DAVIS, Spur, Tex. Filed Sept. 30, 1920. Serial No. 413,674. 1 Claim. (Cl. 287—111.)



Means for securing together the sections of a well drilling rod, the ends of the rod being formed with enlargements defining shoulders, comprising a plurality of similar clamping members engaged upon the enlargements and formed at their outer ends with inturned flanges engaging said shoulders, said clamping members being formed at one edge with a plurality of interengaging pivotally connected knuckles and being provided at their other edges with flanges detachably connected, and the confronting edges of said clamping member being formed with a plurality of interfitting tongues and grooves.

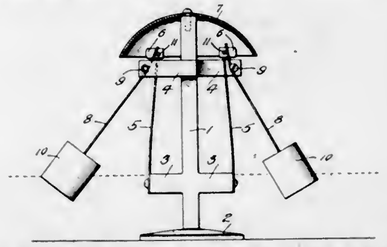
1,464,751. THIEF TRAP FOR AUTOMOBILES. ANTONIO DAWER, Philadelphia, Pa. Filed July 10, 1922. Serial No. 574,107. 4 Claims. (Cl. 43—59.)



1. In a motor vehicle the combination of a clutch lever, lever actuated means adapted to be projected upwardly upon and by the operation of said clutch lever, rotatable

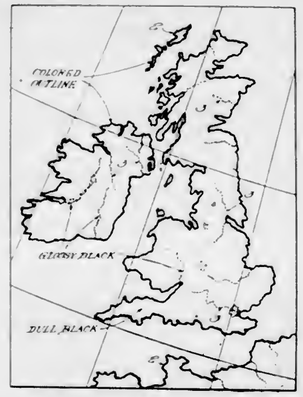
means carried by said first mentioned means adapted to lockably grip the leg of the operator and prevent the further operation of said clutch lever and means carried upon said first mentioned means to operate a warning sound signal simultaneously with the operation of the lever actuated means.

1,464,752. REPEATING DRIP-PAN ALARM. WILLIAM E. DENIS, New Haven, Conn. Filed Oct. 12, 1922. Serial No. 594,212. 3 Claims. (Cl. 116—110.)



1. An alarm of the class described comprising a base, an integral standard rising therefrom, a signal secured to the upper end of the standard, a spring arm secured at its lower end to the standard, said arm extending in vertical spaced parallelism with respect to the standard and having its upper end terminating adjacent the signal, an impact element secured to said upper end to strike it, and a float carrying arm pivotally connected to the standard and having its upper free end engaged with the impact element to place said spring arm under tension as the liquid level rises.

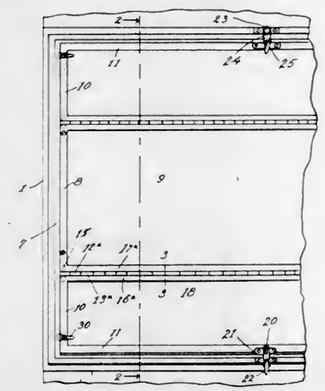
1,464,753. LECTURER'S CHART. LEVINUS PHILIP DENOYER, Chicago, Ill., assignor to Denoyer-Geppert Co., Chicago, Ill. Filed Mar. 2, 1922. Serial No. 540,547. 3 Claims. (Cl. 283—34.)



1. A lecturer's chart having lines of demarkation clearly visible at a distance, and indicating lines of the same color as the background of the chart invisible at a distance but visible to the lecturer when close to the chart.

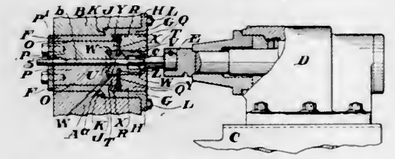
1,464,754. WINDSHIELD. FREDERICK A. DILLINGHAM, Troy, Ohio, assignor to The Troy Sunshade Company, Troy, Ohio, a Corporation of Ohio. Filed Aug. 14, 1922. Serial No. 581,709. 8 Claims. (Cl. 296—93.)

1. In a wind shield, the combination of a mounting frame, a fixed shield section mounted in said frame, and a movable shield section adapted to fit said frame, and means for hinging the movable section to the fixed section, as distinguished from hinging said movable section to the



mounting frame and weathering means incorporated with the hinging means and constituting a seal between the two sections throughout their meeting edges when closed.

1,464,755. FORGING MACHINE. JESSE DITSON and MORTIMER S. PARKHILL, Littleton, Colo., assignors to Ingersoll-Rand Company, Jersey City, N. J., a Corporation of New Jersey. Filed July 6, 1922. Serial No. 573,155. 2 Claims. (Cl. 10—24.)



1. A device of the character described, including a percussive element, relatively stationary and movable jaws, die seats having undercut shoulders fitting corresponding undercut recesses in said jaws, and die holders having cooperating semi-cylindrical bores, said bores being enlarged adjacent to one end and having undercut ends, and replaceable dies having inclined inner and outer end surfaces fitting the undercut ends of said enlarged portions, said dies being adapted to engage the article to be formed and side enlarged portions being adapted to define the conformation of an article therein under the influence of blows administered by said percussive element.

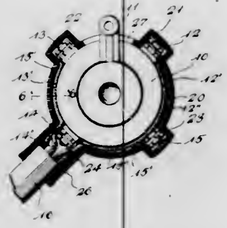
1,464,756. RADIATOR AIR VALVE. CONRAD FEUSER and ARTHUR C. FEUSER, Bloomfield, N. J.; said Arthur C. Feuser assignor to said Conrad Feuser. Filed Mar. 5, 1921. Serial No. 449,961. 4 Claims. (Cl. 238—66.)



1. In a radiator air valve, the combination of a valve case having a valve seat therein, a supporting base for said case, a foraminous disk secured between said case and

base, a valve stem slidably mounted in said disk, a valve upon said stem for co-operation with said valve seat, a thermostatic element associated with said stem above said disk for positively seating said valve upon a predetermined rise of temperature, and a second thermostatic element connected with said stem below said disk for positively unseating said valve upon a predetermined fall of temperature.

1,464,737. TIMER COVER. PHILIP H. FIELDING, South Norwalk, Conn. Filed Dec. 20, 1921. Serial No. 523,686. 5 Claims. (Cl. 200—19.)



2. A terminal cover for timers comprising a soft flexible body portion, the body portion comprising a band portion to substantially surround the outer periphery of the timer and having spaces to receive the terminals and spaces for the lead wires leading to the terminals.

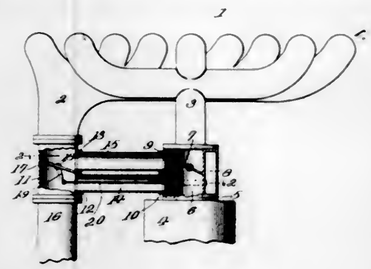
1,464,758. POWDER BOX AND PUFF. JOHN M. FOSTER, Fulton, N. Y. Filed Aug. 9, 1921. Serial No. 490,934. 1 Claim. (Cl. 132—82.)



In a powder dispensing device, the combination with a powder box including a body having an open upper end, a perforated partition plate disposed in the body forming a powder supply compartment and a powder dispensing compartment, and a cover for the open end of the box having an axial opening therein, of a powder puff associated with the cover adapted to extend into the powder dispensing compartment including a rigid back engaging the cover and closing the opening therein, a knob associated with the cover including an enlarged base extending through the opening in the cover and engaging the back of the powder puff, and a single fastening element extended through the back of the powder puff into the knob for firmly binding the knob, powder puff and cover together.

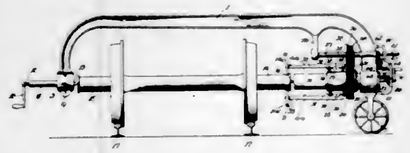
1,464,759. THERMOSTATIC HEAT CONTROL FOR INTERNAL-COMBUSTION ENGINES. JACOB RICHARD FRANCIS, Flint, Mich. Filed Nov. 18, 1920. Serial No. 424,911. 5 Claims. (Cl. 123—122.)

1. An internal combustion engine having an exhaust pipe, intake manifold and charge forming device connected thereto, a heater arranged to heat the charge in its passage from the charge forming device to the engine, a pipe connecting said heater to said exhaust pipe, a valve disposed in the exhaust pipe, a thermostat disposed in said heater, and a rod arranged within said pipe having its ends con-



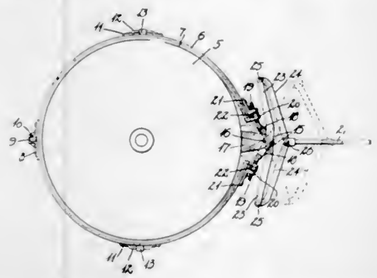
nected respectively with said valve and thermostat for regulating the exhaust gases passing from said exhaust pipe to said heater.

1,464,760. AXLE-TRUING MACHINE. THOMAS J. HADDEN, Mount Carmel, Ill., assignor of one-half to Clarence Hurd, Mount Carmel, Ill. Filed July 23, 1921. Serial No. 487,016. 11 Claims. (Cl. 82—4.)



1. A portable machine for truing journals at the ends of a car axle comprising a frame bar adapted to span the car axle, centering pins carried by the ends of said frame bar to engage the centers of the car journals, a traveling support for one end of the frame bar, and tools carried by last-mentioned end of said frame bar to travel around and longitudinally of the journal to be trued.

1,464,761. BRAKE-OPERATING DEVICE. HOMER F. HARDIN, Houlton, Oreg., assignor to Hardin Mfg. Company, Kalama, Wash., a Corporation. Filed Apr. 26, 1921. Serial No. 464,552. 5 Claims. (Cl. 188—77.)



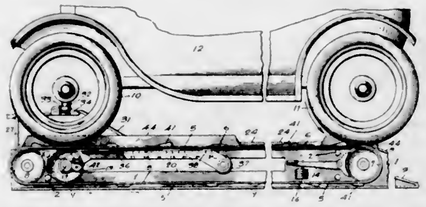
2. A brake operating device including in combination with a brake band, a bracket, a pair of levers crossing one another and pivoted at the point of crossing to said bracket substantially between the ends of said band, said levers having short arms projecting toward the ends of the band and operatively connected thereto, and having long arms, an operating rod, and toggle links connecting said long arms and rod.

1,464,762. SKIN OR HIDE STRETCHER. ENOS F. HAYWARD, Conover, Wis., assignor of one-half to Roy O. Dobberke, Conover, Wis. Filed Mar. 22, 1922. Serial No. 545,758. 1 Claim. (Cl. 149—21.)



A hide stretcher comprising a central body member longitudinally tapered to provide a wedge, the longitudinal edges of said body member having dove-tailed grooves, intermediate longitudinally tapered wedge strips disposed on each side of the central body member, each of said strips having dove-tailed tongues projecting from their longitudinal edges, the inner tongue of each strip being adapted to enter the adjacent groove of the central body member, and outer longitudinally tapered wedge strips disposed adjacent the outer edge of the intermediate strips, each of said outer wedge strips having a dove-tailed groove in its inner longitudinal edge adapted to receive the tongue of the adjacent intermediate strip, the central, intermediate and onter strips having their tapered end portions extending in the same direction whereby the outer wedge strips may be adjusted relative to or with the intermediate strips.

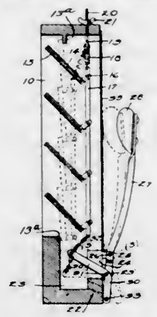
1,464,763. MOTOR-VEHICLE TESTING DEVICE. RUDOLF A. ISENBERG, San Francisco, Calif. Filed Jan. 10, 1921. Serial No. 436,322. 14 Claims. (Cl. 73—51.)



1. A testing device for motor vehicles and the like comprising front and rear rotatable supports adapted for engagement with the front and rear wheels of said vehicle, said front and rear supports being movable relatively to each other, means for varying the distance between said front and rear supports whereby the wheels of vehicles of different wheel bases may be engaged; and means for bridging the space between the rear and front supports whereby a vehicle may be rolled onto the device.

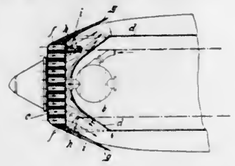
1,464,764. WIND-REGULATED SHUTTER FOR WINDOWS. NIELS C. JENSEN, Fort Dodge, Iowa. Filed May 8, 1922. Serial No. 559,360. 4 Claims. (Cl. 98—31.)

3. A wind regulated shutter comprising a casing, shutter sections therein pivotally mounted near their ends, a shutter rod connecting the sections, a wind actuated element mounted on the exterior of the casing, said element comprising an arm mounted on a pivot, a vane on one end, means for operatively connecting the other end to the lower end of the shutter rod, the parts being so arranged that the action of the wind will move the arm and transmit motion through the connecting means



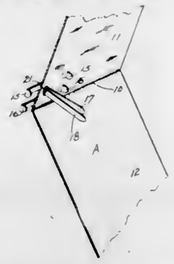
to the shutter rod for moving the shutter sections to closed position, and resilient means tending to move the shutter sections to open position, whereby the action of the wind actuated element will be counteracted when the pressure against said element is decreased.

1,464,765. RADIATOR. HUGO JUNKERS, Dessau, Germany. Filed June 28, 1920. Serial No. 392,595. 2 Claims. (Cl. 123—171.) (Granted under the provisions of the act of Mar. 3, 1921, 41 Stat. L., 1313.)



1. In a motor driven vehicle in combination, an envelope arranged on the front portion of said vehicle, a radiator arranged in front of said envelope in such a manner that the air after having passed through said radiator, is deflected sideways by said envelope and adjustable means to the rear of said radiator for varying the cross-sectional area of the passage for the deflected air.

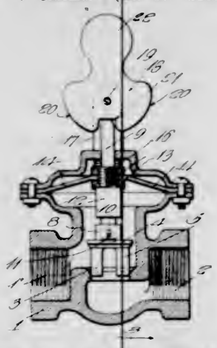
1,464,766. FOLDER AND FASTENER THEREFOR. LOUIS W. KARLEN, Des Moines, Iowa. Filed Mar. 21, 1922. Serial No. 545,603. 1 Claim. (Cl. 129—16.7.)



A folder and fastener therefor including a sheet of paper of greater length than width folded midway between its ends for forming a front and back member, a fastener device of a single piece of material, said fastener device including a pair of spaced strap portions having their ends bent at right angles, said ends being tapered

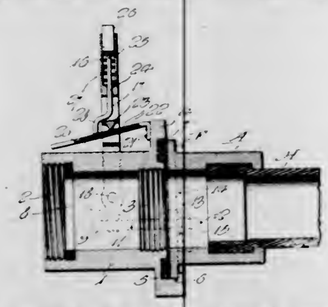
and extended through the paper near the fold therein and bent upon said strap members for engaging the paper therebetween, said ends being received on the inner side of the folder, whereby no ends or edges will be left on the exterior of the folder, a pair of tongues formed from the single piece of material and arranged to be received between said strap portions midway between their ends, and a connecting web formed from the piece of material for connecting the strap portions in spaced relation and for holding the tongues in position, said pair of tongues having their ends tapered and being extended through the paper in the same direction as the ends of the said strap members, so that flat sheets may be secured thereon and by folding the tongues in opposite directions the sheets will be permanently held in position between the front and back members of the folder.

1,464,767. AUTOMATIC SHUT-OFF VALVE. ELMER E. KERNS, Bradford, Pa. Filed Aug. 18, 1921. Serial No. 493,333. 3 Claims. (Cl. 67—115.)



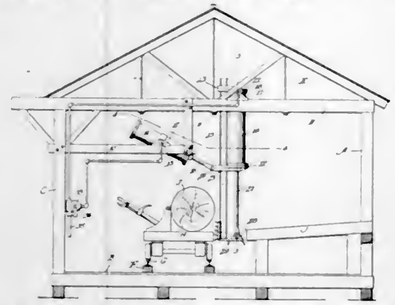
1. An automatic shut off valve comprising a casing, a pressure-supported self-closing valve in said casing having a stem extending upwardly therethrough, and a cam pivotally mounted on said casing over said stem, said cam having downwardly converging cam surfaces on opposite sides of its pivot and being provided with a central downwardly opening notch between said cam surfaces adapted to normally receive the upper end of said stem, the upper end of said cam having a weight above its pivot adapted to fall by gravity at either side of the pivotal axis of said cam and move one or the other of the cam surfaces into wedging engagement with said stem when the latter descends.

1,464,768. COUPLING FOR PIPES. JOHN LIPPIS, Canon City, Colo., assignor of one-half to John P. Thomas, jr., Canon City, Colo. Filed Sept. 22, 1921. Serial No. 502,436. 6 Claims. (Cl. 285—144.)



1. A coupling of the class described comprising a pair of slides having clamping blocks on one of their ends, a pivoted lever having direct connection with said slides for actuating the latter, and automatically operable means for engaging a part of the lever and retaining the same in various positions to which it has been moved.

1,464,769. SAWMILL APPLIANCE. JOHN MCLARTY, Klamath Falls, Oreg. Filed Sept. 3, 1921. Serial No. 498,237. 5 Claims. (Cl. 143—99.)



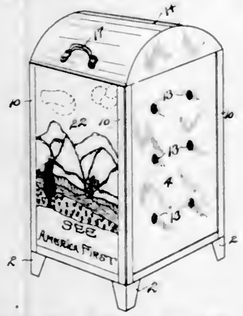
1. A device of the character described comprising an elevated support, a cylinder pivoted thereon and provided with inlet and outlet ports, a piston operating within said cylinder and carrying a piston rod, a second elevated support, a cylinder pivoted on said second named support and provided with inlet and outlet ports, a piston operating within said second named cylinder and carrying a piston rod, the first named piston rod being pivotally connected with the second named cylinder, means for applying pressure into either or both of said cylinders at either side of the piston therein, and a log engaging foot carried by the second named piston.

1,464,770. GREASE RETAINER. STEPHEN RICHARD MORDEN, San Francisco, Calif. Filed Nov. 16, 1922. Serial No. 601,423. 6 Claims. (Cl. 64—22.)



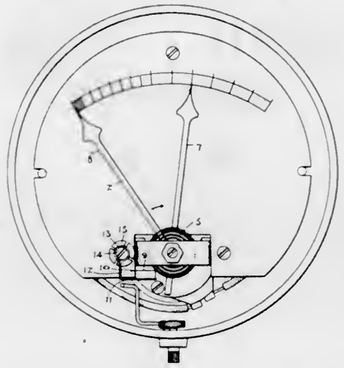
1. A grease retainer for a shaft rotating in a housing, comprising spirally arranged bristles disposed so as to rotate with the shaft.

1,464,771. METALLIC RECEPTACLE. PETER W. MURPHY and HENRY E. WIEDEMAN, Spokane, Wash.; said Wiedeman assignor to said Murphy. Filed July 22, 1922. Serial No. 576,812. 3 Claims. (Cl. 220—83.)



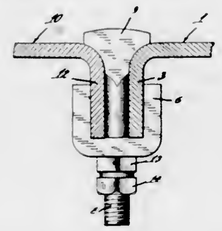
1. The combination with a receptacle having main walls and flanges thereon, flanged slide keys interfitting with said flanges and forming pocket-grooves, of auxiliary wall members fitted in said pocket-grooves, and means between the main walls and auxiliary walls for holding said walls in rigid relation.

1,464,772. ATTACHMENT FOR INDICATORS. LOUIS ARTHUR PAINE, Toronto, Ontario, Canada, assignor to The Lincoln Meter Company, Limited, Toronto, Ontario, Canada. Filed Sept. 26, 1921. Serial No. 503,227. 5 Claims. (Cl. 116—129.)



4. An attachment for indicators, comprising the combination with a meter instrument a freely rotatable indicator member operated by the instrument, a drum secured to said freely rotatable indicator member and having a grooved periphery, a flexible cord encircling the grooved drum, and a spring adjustably supported and pulling upon an end of said cord to create a binding grip which will be freed by the rotation of the instrument.

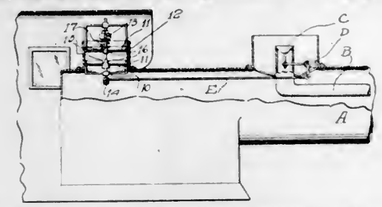
1,464,773. EXTENSION WHEEL-RIM CONNECTOR. HERSCHEL P. PATHEAL, Greenville, Ill. Filed Nov. 2, 1922. Serial No. 598,555. 2 Claims. (Cl. 311—39.)



1. A connector for uniting extensions to wheel rims and the like comprising a U-shaped clip having parallel legs, a bolt extending between said legs and through the cross bar of the clip, said bolt having a substantially wedge-shaped head, and having means for tightening the bolt between the arms of the clip to secure the parts to be united thereby.

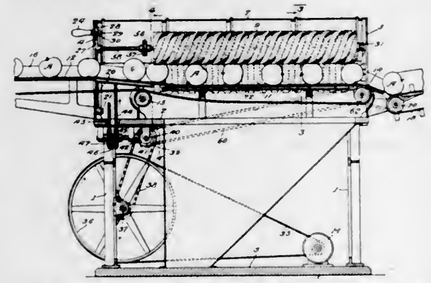
1,464,774. THROTTLE-OPERATING MECHANISM FOR LOCOMOTIVES. CHARLES THOMAS PHIPPS, Saltville, Va. Filed May 22, 1922. Serial No. 562,815. 2 Claims. (Cl. 251—41.)

2. A locomotive boiler having at its rear end an upwardly projecting, annular portion surrounding the opening through the boiler wall, a plurality of webs crossing said annular portion, said webs being apertured, a throttle valve disposed in the boiler, an operating rod therefor, and an actuating shaft for the rod operatively connected thereto and extending through the apertures in said webs and provided with a handle at its outer end, a pair of conical bearing members carried upon said shaft and fitting the apertures in said webs, and a spring urging said shaft outward and the bearing members into engagement



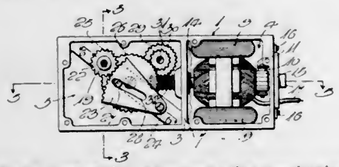
with the walls of the apertures, the contacting faces of the walls of the apertures and the conical bearing members being ground.

1,464,775. FRUIT CLEANER. JOHN A. REUTER, The Dalles, Oreg., assignor to The National Fruit Cleaner Company, The Dalles, Oreg., a Corporation of Oregon. Filed May 18, 1922. Serial No. 561,906. 12 Claims. (Cl. 146—14.)



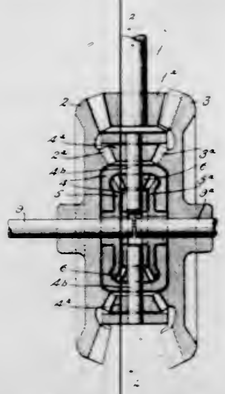
1. A fruit cleaner including at least three rotary brushes enclosing a space therebetween, a conveyor located within the space and traveling therein lengthwise of the brushes, means for rotating the brushes, and means for actuating the conveyor whereby articles carried by the conveyor are moved forward in contact with the several brushes.

1,464,776. WINDSHIELD CLEANER. BENNETT ROCKMAN, Boston, Mass. Filed Sept. 28, 1921. Serial No. 503,713. 1 Claim. (Cl. 74—14.)



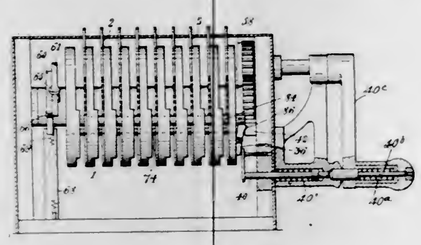
Enclosing means for wiper-operating mechanism, comprising a rectangular one-piece cast metal casing member open at one side throughout its length and provided with an integral transverse partition dividing it into a motor compartment and a gearing compartment, said partition having a central bearing opening while the outer end wall of said motor compartment is formed with a relatively large opening through which a motor armature may be inserted with its shaft extending through said bearing opening, a plate secured removably to the casing member and closing said relatively large opening, said plate having a bearing for the armature shaft, a bearing boss in the gearing compartment formed integrally with said casing member and instrumental in mounting gearing and a shaft in said gearing compartment to be driven by the armature shaft, and a one-piece cover detachably secured to said casing member and closing the open side thereof, said cover having an integral outwardly extending bearing for the gear-driven shaft.

1,464,777. BEVEL-GEAR TRANSMISSION GEARING. DAVID E. ROSS, Lafayette, Ind. Filed Apr. 3, 1920 Serial No. 370,906. 3 Claims. (Cl. 74—99.)



1. In a transmission gearing of the character specified; two opposed driving bevel gears; a primary driving shaft; a pinion thereon directly meshing with said opposed bevel gears; opposed smaller beveled gears fixedly connected with the opposed driving gears; a driven member; a pair of opposed axially alined shaft sections; a compensating gearing connecting said shaft sections; and connected with the driven member; and planetary gears connected with the driven member and meshing with the opposed smaller beveled gears, substantially as described.

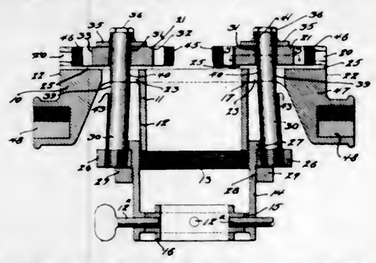
1,464,778. ZEROIZING MEANS FOR THE CURVE DISKS OF CALCULATING MACHINES. KARL VIKTOR REDIN, Stockholm, Sweden. Filed Apr. 10, 1919. Serial No. 289,100. 17 Claims. (Cl. 235—144.)



1. In a calculating machine, in combination with curved disks and setting wheels, zeroizing means mounted for manual movement, means to return the zeroizing means to normal position, pawls to engage teeth of the curve disks, a shaft on which said pawls are pivotally mounted, said shaft and pawls having means to permit limited pivotal movement of said pawls on said shaft, and said shaft being operated by the zeroizing means to disengage the pawls from the curved disk teeth during zeroizing.

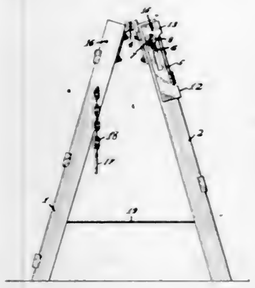
1,464,779. THREAD-CUTTING DEVICE. THOMAS J. SHEARMAN, Philadelphia, Pa. Filed Apr. 12, 1921. Serial No. 460,610. 3 Claims. (Cl. 10—120.5.)

1. A thread-cutting device including a rotatable head having flanges spaced apart and providing guideways; dies slidable in the guideways; guide posts slanting relatively to the axis of the head and taking through the dies; members bridging the guideways and having slots adapted to embrace the guide posts, the parts of the guide posts which take through the slots having faces parallel to the



axis of the head whereby the bridge members may move upwardly or downwardly without changing their distance from the axis of the head.

1,464,780. LADDER. GAYLE L. SQUIRE, Hastings, Fla. Filed Dec. 1, 1922. Serial No. 604,302. 1 Claim. (Cl. 228—23.)



In a ladder, sections hingedly connected at one end to open into alinement to form a straight ladder and foldable for use as a step ladder, a plate counter-sunk in one side face of one section and fixed thereto, a stud projecting laterally from said plate, a longitudinally slotted casting slidable on said plate with said pin projecting through said slot and having lateral lugs to overlie the edge of the bar on which the casting is mounted, said casting having an aperture and one of said lugs having an inturned flange apertured to register with the aperture in the casting, the other ladder section having an aperture to register with said casting apertures when the casting is moved to bridge the joint between the sections, and a pin to enter said registering apertures to lock the sections in open position.

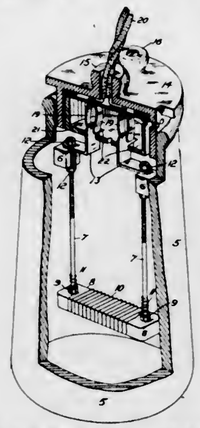
1,464,781. TRACTION DEVICE. ALEXANDER STEWART, Waupaca, Wis. Filed Dec. 6, 1920. Serial No. 428,769. 1 Claim. (Cl. 152—4.)



A chain tread adapted to be applied to a rubber tired wheel comprising a series of links, each of said links being formed from a strip of metal, said strip being bent to provide a pair of divergent arms and a transverse portion extending between said arms, said arms being integrally connected with said transverse portion along the

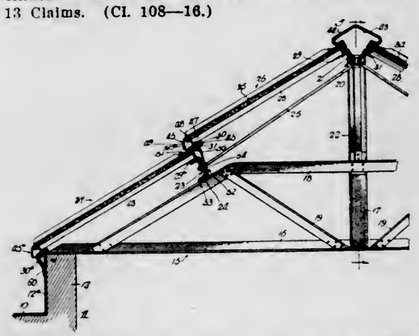
entire width of said transverse portion, said arms having a pair of aligned openings intermediate of their lengths, said arms having a second pair of aligned openings adjacent their ends, and a transverse pivot member extending thru the aligned end openings of each link and the intermediate openings of an adjacent link.

1,464,782. ELECTRIC HEATING APPLIANCE OF THE IMMERSED-ELEMENT TYPE. WALTER STUBBS, Mascot, New South Wales, Australia. Filed Jan. 31, 1922. Serial No. 533,058. 3 Claims. (Cl. 219—41.)



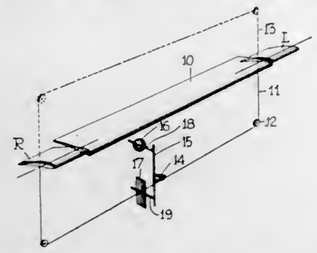
3. A heating appliance of the character described including in combination, a vessel of non-conducting material provided with a single opening, a heating element mounted in the vessel including opposed rods, a non-conducting bobbin supported at the lower ends of the rods, a resistance wire wound about the bobbin and connected with the rods, contact tongues mounted on the upper ends of the rods and projecting partly through the opening, a removable lid adapted for connection with the source of electricity, a casing carried by the underside of the lid forming a chamber and provided with spaced openings through which the tongues project, contact pieces suspended within the chamber for engagement with the tongues upon the application of the lid for closing the circuit through the element and the casing and lid being provided with vapor exhaust openings, substantially as and for the purposes described.

1,464,783. SKYLIGHT CONSTRUCTION. JOSEPH SYLVAN, Chicago, Ill., assignor to American 3-Way Luxfer Prism Co., Chicago, Ill., a Corporation of Illinois. Filed May 21, 1921. Serial No. 471,417. 13 Claims. (Cl. 108—16.)



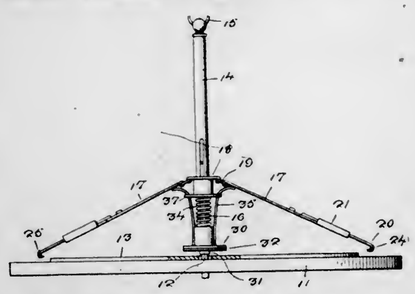
1. In a skylight construction, the combination of vertical frame members, a longitudinally extending ridge bar supported on the top ends of said vertical frame members, and outwardly and downwardly inclined panel sections having a hooked connection with the ridge bar, which resists the outward sliding tendency of said sections, due to their inclined position.

1,464,784. BALANCING SYSTEM FOR AIRCRAFT. JOHN P. TARBOX, Garden City, N. Y., assignor to Tarbox Safety Aircraft Company, a Corporation of Delaware. Filed June 20, 1918, Serial No. 240,982. Renewed Jan. 12, 1923. 7 Claims. (Cl. 244—29.)



5. In an aircraft having a principal supporting surface having a determinate normal angle of incidence with respect to the line of flight, together with differential self acting relatively movable lateral balance control surfaces having normal angular range of movement of such extent and so fixed with respect to the line of flight that at its upper extreme the surface is at a positive angle adjacent to but toward the critical angle from the angle of marked change in position of the center of pressure.

1,464,785. RECORD LIFTER. ROBERT F. THOMSON, Watertown, N. Y. Filed Apr. 12, 1922. Serial No. 551,811. 2 Claims. (Cl. 274—1.)

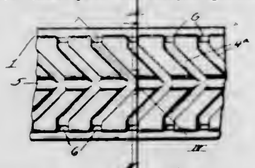


1. A device for lifting records from phonographs comprising in combination with a turntable stud, a tubular member, a rod slidable within and projecting from one end thereof, a spring for resisting the inward movement of the rod, arms carried by and extending radially from the tubular member, an annular flange located at the outer end of the rod, a socketed stud extending from the bottom of the flange to receive the turn table stud, means carried by the arms for engagement with a record and means connecting the rod and tubular member, whereby the arms may be moved to an engaging or disengaging position.

1,464,786. SOLID TRUCK TIRE. WILLIAM VON KOTHEN, Kansas City, Mo. Filed Jan. 16, 1922. Serial No. 529,524. 6 Claims. (Cl. 152—1.)

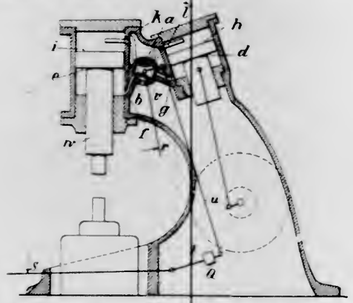
2. A resilient cushion tire having a peripheral groove and outwardly disposed edge notches, and also having obliquely disposed grooves connecting the peripheral

groove and edge notches respectively; the point of communication of each pair of oblique grooves with the



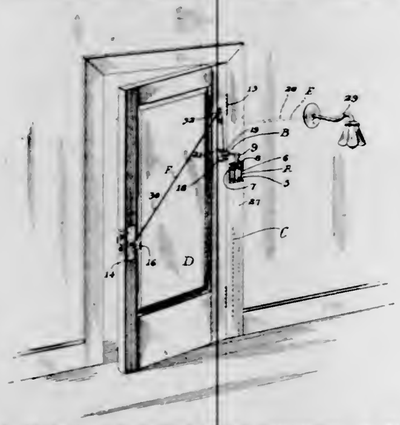
peripheral groove being substantially in transverse alinement with a pair of notches common to the adjacent pair of oblique grooves.

1,464,787. PNEUMATIC HAMMER. EMIL VON LEESEN, Berlin, Germany. Filed July 11, 1921. Serial No. 483,928. 7 Claims. (Cl. 78—42.)



1. In a pneumatic hammer, a tup piston, a pump piston, separate cylinders for the said pistons, primary passages for interconnecting the cylinder spaces above the said pistons, secondary passages for interconnecting the cylinder spaces beneath the said pistons, a port for connecting the tup cylinder to the atmosphere; a single oscillatory valve controlling all of the said passages and the said port; means for operating said valve, and means whereby when the valve operating means is released the valve is positioned to elevate the tup piston.

1,464,788. AUTOMATIC LIGHT-CIRCUIT CONTROL. THOMAS WAKEFIELD, Sr., Miami, Ariz. Filed Feb. 3, 1921. Serial No. 442,205. 7 Claims. (Cl. 200—54.)



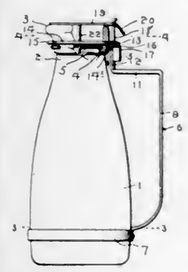
1. In a door controlled switch mechanism, a switch secured to a door casing, and a pair of spaced operating arms carried by the door and disposed in the path of the operating portion of said switch and so mounted as to operate the same during the closing and opening movement of the door and means for mounting one of said arms in place to permit the same to idle over the operating portion of the switch during movement of the door in one direction.

1,464,789. HOLDER FOR BOTTLES. HENRY ALBERT WILLIAM WARD, Lower Hutt, Wellington, New Zealand. Filed Aug. 2, 1922. Serial No. 579,248. 1 Claim. (Cl. 215—63.)



The combination with the neck of a bottle having an annular interior shoulder, and a stopper seated on the shoulder, of a handle removably engaged with the bottle, an extension on the handle and rising above the bottle and being curved outwardly, a lid for disposition on the bottle, a slotted finger piece projecting outwardly from the bottle and mounted for movable engagement with the curved extension, and a headed prong depending from the lid and engageable with the stopper.

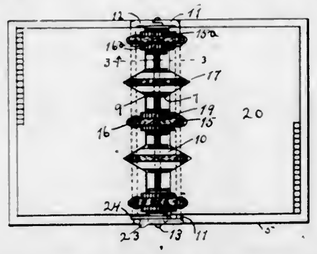
1,464,790. BOTTLE HOLDER. HENRY A. W. WARD, Lower Hutt, Wellington, New Zealand. Filed Aug. 9, 1922. Serial No. 580,749. 3 Claims. (Cl. 215—100.)



1. A device of the character described including a bottle body embracing ring, a handle secured thereto, an extension connected with the handle and curved resilient bottle neck engaging arms pivotally mounted in the extension and being of such a length and curvature as to automatically grip the bottle neck.

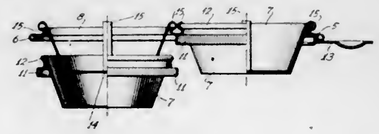
1,464,791. LOOSE-LEAF BOOK. RALPH G. WHITLOCK, Los Angeles, Calif., assignor to E. D. Whitlock and M. H. Whitlock, both of Los Angeles, Calif. Filed Mar. 26, 1920. Serial No. 369,067. 4 Claims. (Cl. 129—24.)

3. In a loose leaf book a ring frame composed of side members hinged together at the ends; curved leaf-holding half ring members arranged in pairs secured to said side members; ring frame holding plates having their ends slotted and turned downwardly and inwardly, said



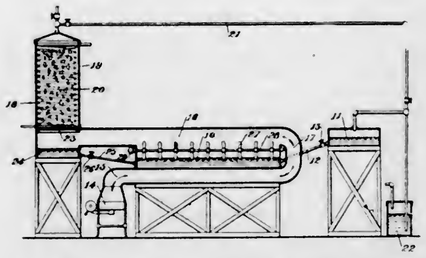
ends forming pockets in which the side members are received, the ring members being received in the slots; and abutment bands secured to said ring plates.

1,464,792. BAKING PAN. HAROLD C. WIERTH, Brooklyn, N. Y. Filed Nov. 22, 1920, Serial No. 425,599. Renewed Dec. 20, 1922. 9 Claims. (Cl. 53—6.)



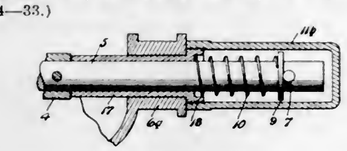
1. A baking pan embodying a plate provided with a plurality of apertures, cups mounted for rotation on the plate and registering with the respective apertures and operative connections between the cups whereby the rotation of one of them will result in the rotation of them all.

1,464,793. CONCENTRATOR. ENRIQUE G. WILLEMS, Santiago, Chile. Filed Nov. 11, 1920. Serial No. 423,281. 4 Claims. (Cl. 23—1.)



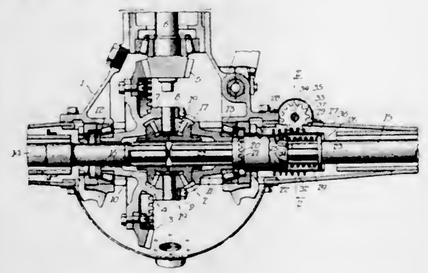
1. An apparatus of the character described comprising a vat adapted to contain liquid to be concentrated, a flue extending horizontally beneath the vat whereby heated air may be employed to pre-heat liquid in the vat, a passageway formed above the vat and in communication with the said flue at one end of the vat whereby heated air and products of combustion passed through the flue for preheating the liquid may be directed across the top of the vat, a plurality of rotatable agitating members arranged across the top of the vat and adapted when rotated to project a spray of the liquid into passing heated air and products of combustion, and a heat exchanger arranged at one end of the vat in communication with said passageway for removing the concentrated solution from the heated air.

1,464,794. DETACHABLE ENGINE CRANK. FLOYD G. WITHROW and ALVIN M. WALKER, Grand Rapids, Mich. Filed Oct. 24, 1921. Serial No. 509,776. 1 Claim. (Cl. 74—33.)



In combination, an engine crank shaft, a sleeve located in front of the front end of said crank shaft, a bushing located in and lengthwise of the sleeve, an auxiliary shaft rotatably mounted in the bushing and extending a distance back of and in front of the sleeve, interengaging means on the crank and auxiliary shafts at their adjacent ends whereby the same may be detachably connected together, a member permanently secured on the front end of the sleeve, means at the front end of the auxiliary shaft with which a crank may have detachable connection, spring means acting on the auxiliary shaft to move the same forward, and a cap placed over the front end of the auxiliary shaft and detachably connected to said member, said cap at its forward closed end closely engaging the front end of the auxiliary shaft.

1,464,795. DIFFERENTIAL-GEAR CONTROL MECHANISM. IRVING C. WOODWARD, Syracuse, N. Y. Filed Feb. 21, 1923. Serial No. 620,336. 4 Claims. (Cl. 74—100.)

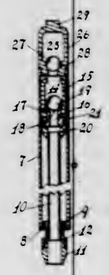


1. In a mechanism of the class described, a pair of axles, differential gearing connecting said axles, means for driving said differential gearing, a casing for said differential gearing, having inclined clutch teeth formed thereon, a clutch member having inclined teeth for coacting with the teeth on said differential gear casing, said clutch member being splined to one of said axles, a spring for urging said clutch member into engagement with the teeth on the gear casing, means for disengaging said clutch member, comprising a sleeve arranged for shifting said clutch member against the action of said spring and being provided with rack teeth, and a pinion for engaging said rack teeth.

1,464,796. STANDING-VALVE ATTACHMENT FOR OIL PUMPS. FRANKLIN J. WRIGHT, Oakland, and JAMES L. BAKER, Bakersfield, Calif. Filed Jan. 20, 1921. Serial No. 438,661. 1 Claim. (Cl. 103—180.)

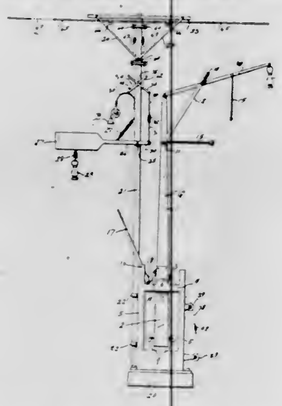
In an oil well pump, an outer pump casing, an inner pump casing slidable in said outer casing and closely fitting said outer casing, a valve controlling the upper end of said inner pump casing, a plunger rod connected to the top of said valve and extending through the top of said outer pump casing, a head screwed into the lower end of said inner casing and provided with an opening therethrough, a tube extending loosely through said opening into said inner casing, a conical mouth, a threaded coupling which

screws on the lower end of said tube and the upper end of said mouth, a seat in the lower end of said outer casing upon which said mouth is adapted to rest, a valve consisting of a cage having a threaded opening in the bottom thereof, a sleeve adapted to be screwed into the threaded



opening, a valve seat and a ball adapted to normally rest in said seat and a coupling to connect the tube to the valve, a flange on the sleeve, the coupling and flange closely fitting the interior of the casing to prevent oil dropping back into the casing.

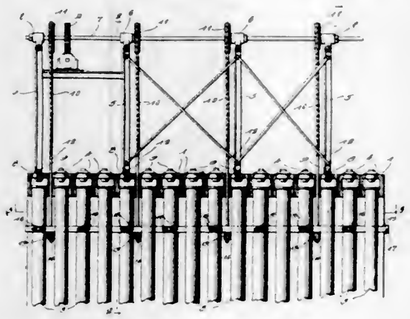
1,464,797. RAILROAD SIGNALING MECHANISM. JOHN R. ALEXANDER, New Albany, Ind., assignor of one-third to Thomas Alexander, Toledo, Ohio. Filed Dec. 3, 1921. Serial No. 519,630. 3 Claims. (Cl. 246—294.)



3. In a train signaling mechanism, a support, a semaphore pivotally engaged with said support, a substantially X-shaped rock member engaged with the support, a rod operatively connecting one of the arms of the rock member and the semaphore, an audible signal supported for vibration, an operative connection between a second arm of the rock member and the audible signal, and train actuated means operatively engaged with each of the remaining arms of the rock member to impart movement to the rock member for vibrating the semaphore and the audible signal.

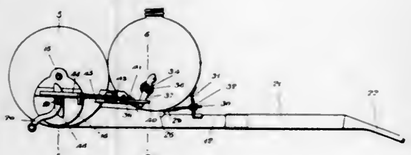
1,464,798. SOOT BLOWER. JAMES ANDERSON, Wheeling, W. Va. Filed Feb. 16, 1920. Serial No. 359,037. 1 Claim. (Cl. 122—392.)

The combination with an economizer including vertical water tubes and spaced parallel headers connecting the upper ends of said tubes; of a plurality of standards rising from said headers at spaced points and having aligned bearings, a horizontal shaft rotatably mounted in said bearings and having a plurality of spaced sprocket wheels, chains trained over said sprocket wheels, vertical rods secured to and depending from the lower ends of said chains, said rods being slidably received between said headers, horizontal supporting bars having central openings through which the lower ends of said rods pass, nuts threaded on said lower ends of the rods for supporting said bars and



permitting slight vertical adjustment thereof, a plurality of zig-zag fluid spray pipes resting removably on said supporting bars and loosely received between said water tubes, means for supplying fluid to said spray pipes while permitting vertical movement thereof, and means for driving the aforesaid shaft in either direction.

1,464,799. POWDER SPRAYER. MONROE ANDERSON, Pembroke, Ky. Filed Mar. 13, 1922. Serial No. 543,436. 4 Claims. (Cl. 43—148.)



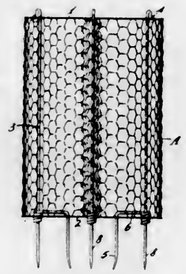
1. A powder sprayer comprising a blower having a discharge pipe and actuating means, a powder chamber having an outlet to discharge into said pipe, a powder feeder in said chamber working over said outlet, a reciprocatory member operatively connected with the feeder, means operated by said actuating means for moving said member in one direction and releasing same intermittently, and spring means for moving said member in the opposite direction with a sharp movement when said member is released.

1,464,800. PROTECTIVE DEVICE FOR THE JOINTED ENDS OF BANDS. FRITZ BARTH, Barmen-Rittershausen, Germany. Filed July 18, 1921. Serial No. 485,705. 2 Claims. (Cl. 241—5.)



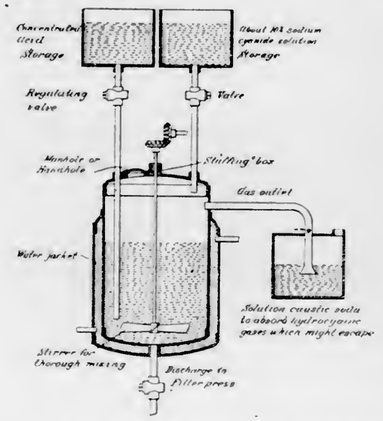
1. In a joint protecting device in combination, a clamp adapted to bridge the joint, a seamless smooth surfaced, nonmetallic protective sleeve surrounding said clamp and a covering of textile material on said sleeve.

1,464,801. WIRE BASKET AND POST THEREFOR. LOUIS G. BEERS, Trenton, N. J., assignor to New Jersey Wire Cloth Company, Trenton, N. J., a Corporation of New Jersey. Filed May 23, 1922. Serial No. 562,942. 7 Claims. (Cl. 220—19.)



1. A basket formed by a strip of wire netting or the like and wire posts holding the strip in form and forming a support for the basket, a bottom for the basket, and side bars on the posts for supporting the basket bottom.

1,464,802. DYE AND PROCESS OF MAKING SAME. GEORGE S. BOHART, Washington, D. C., assignor to George H. Whittingham, trustee, Baltimore, Md. Filed May 9, 1917, Serial No. 167,451. Renewed June 2, 1923. 6 Claims. (Cl. 8—6.)

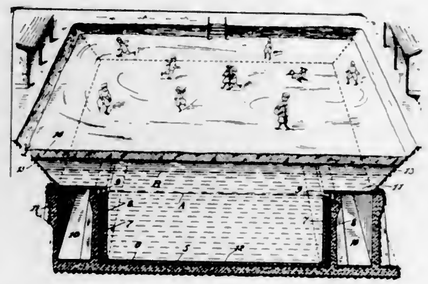


1. The method of making azulmic acid dye stuff which comprises adding to a solution of cyanide in water slightly less than an equivalent of an acid capable of decomposing the cyanide, the proportion of decomposing acid added being sufficient to cause the liberation of most of the hydrocyanic acid in the cyanide and yet leave in the solution sufficient metallic cyanide to furnish the alkaline condition necessary for causing the hydrocyanic acid liberated to change to azulmic acid, and freeing the azulmic acid formed from the reaction solution.

1,464,803. METHOD OF DYEING. GEORGE S. BOHART, Washington, D. C., assignor to George H. Whittingham, trustee, Baltimore, Md. Original application filed May 9, 1917, Serial No. 167,451. Divided and this application filed Aug. 29, 1922. Serial No. 585,066. 4 Claims. (Cl. 8—5.)

1. The method of dyeing which comprises impregnating the article to be dyed with an alkaline solution of azulmic acid and then treating the article with a dilute acid.

1,464,804. METHOD OF PROTECTING CERAMIC SWIMMING-POOL STRUCTURES. JOHN FRANCIS BOORAEM, Greenwich, Conn. Filed Dec. 4, 1922. Serial No. 604,647. 5 Claims. (Cl. 4—2.)

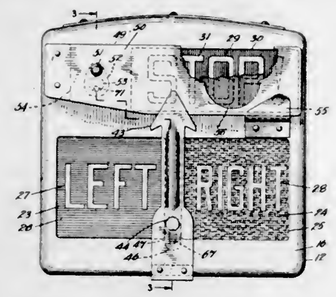


2. The herein described method which consists in confining a superimposed water head upon a ceramic swimming pool structure and subjecting the upper area of the superimposed water head to a freezing temperature whereby a sheet of ice is formed of a thickness capable of use as a skating rink and said water head providing a body of water intervening between the ice sheet and the upper marginal surface of the pool having a temperature of approximately 32° F.

1,464,805. MANUFACTURE OF ARTIFICIAL SILK. EMILE BRONNERT, Mulhausen, France. Filed Sept. 13, 1920. Serial No. 409,975. 2 Claims. (Cl. 18—54.)

1. A process for the manufacture of fine viscose silk threads by employing the stretch-spinning process, comprising issuing viscose of relatively thick consistency through relatively wide apertures into a coagulating solution containing a soluble aromatic sulpho-acid, an ammonium salt and glucose.

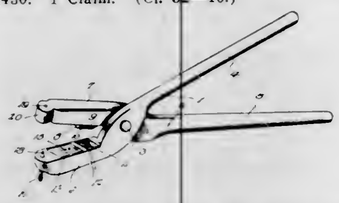
1,464,806. SIGNALING APPARATUS. COLIN J. CAMPBELL, Newark, N. J., assignor to The Standard Signal Corporation, a Corporation of New York. Filed Mar. 18, 1920. Serial No. 366,931. 2 Claims. (Cl. 177—327.)



1. In combination with a casing having an opening in one wall with an exposure window therein, said exposure window having a legend thereon, a pin journaled in and extending through said wall; a signal element fixed to said pin exteriorly of the casing and adapted to be swung toward and away from said legend, means to normally bring the signal element at rest in one position, and means operable at will to swing said signal element to another position, said last named means including a crank having one end fixed to said pin within said casing, a normally vertical armature bar pivoted in the casing at its upper end, means pivotally and slidably connecting said crank to

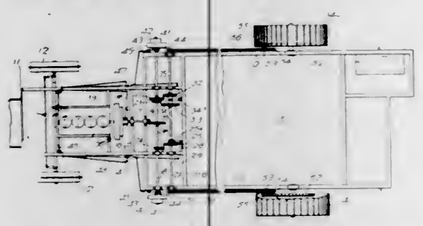
the lower end of the armature bar, a magnet fixed in the casing for attracting and swinging said armature bar, and a mounting bracket within the casing comprising an angle bar having a horizontal portion to which the armature bar is pivoted, and an inclined portion to which the magnet is fixed.

1,464,807. DENTAL INSTRUMENT. MICHAEL J. CLARK, Homestead, Pa. Filed Mar. 28, 1922. Serial No. 547,430. 1 Claim. (Cl. 32—10.)



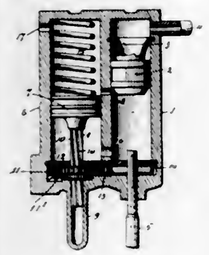
In a dental instrument, coacting jaw members having opposing working faces, the working face of one of the jaw members being provided with an anvil portion having relatively oppositely inclined faces, the said face of the said jaw member being likewise provided in proximity to the anvil portion with a yieldable insert, and beyond the insert and adjacent the end of the jaw being provided with an opening, the working face of the other jaw being provided in confronting relation to the anvil portion of the first-mentioned jaw with inclined surfaces arranged to straddle the said anvil portion when the jaws are closed, the said working face of the last-mentioned jaw having a yieldable insert opposing the insert of the first-mentioned jaw, and a punch point projecting from the said working face of the last-mentioned jaw and located beyond the insert in said face and in position to enter the opening in the first-mentioned jaw when the jaws are closed.

1,464,808. OPERATING MECHANISM FOR HARVESTERS. ALMA COMO, Edgerly, La. Filed Nov. 1, 1920. Serial No. 421,101. 1 Claim. (Cl. 180—53.)



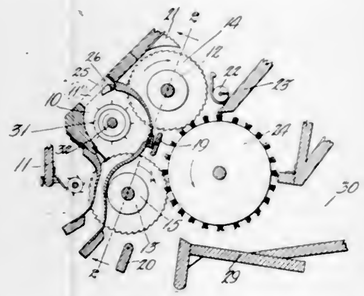
In combination with a machine frame having a forward axle provided with suporting wheels and a rear axle provided with traction wheels, an engine mounted on the forward end of the frame and having a horizontal sectional and rearwardly projecting longitudinal drive shaft, a horizontal cylinder shaft arranged transversely of the frame above the engine and having a pair of driving pulleys secured on the ends thereof at the sides of the machine, a transverse driven shaft journaled in the frame rearwardly of and adjacent to the rear end of said drive shaft and extending beyond the sides of the frame, constantly operative driving connections between the rear end of said drive shaft and the adjacent portion of said transverse driven shaft, loose pulleys on the ends of said transverse driven shaft belted to the driving pulleys of the cylinder shaft, means operable to connect said loose pulleys to the transverse driven shaft at will, a manually operable clutch between the sections of the drive shaft, a second transverse driven shaft journaled in the frame rearwardly of and adjacent to the first named transverse driven shaft and extending beyond the sides of the frame, constantly operative driving connections between the ends of the second transverse driven shaft and said traction wheels, and manually controllable speed change and reversing gearing between said first and second transverse driven shafts.

1,464,809. PNEUMATIC HAMMER. ERNESTO CURTI, Milan, Italy. Filed July 30, 1920. Serial No. 400,225. 6 Claims. (Cl. 255—42.)



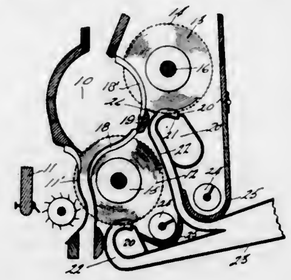
1. A pneumatic hammer comprising a main cylinder having a bore, a hammer piston arranged within said bore, an auxiliary cylinder having its interior communicating with the bore of the main cylinder and also provided with a port placing the same in communication with the atmosphere, an auxiliary piston arranged within said auxiliary cylinder, and resilient means arranged within the auxiliary cylinder between one end of the auxiliary cylinder and the auxiliary piston, said auxiliary piston being adapted to compress said auxiliary means during the operative stroke of the hammer piston, and said resilient means being adapted to force the auxiliary piston back to its original position on the return stroke of the hammer piston and to force air from the auxiliary cylinder into the bore of the main cylinder for assisting in returning the hammer piston to its original position.

1,464,810. COTTON GIN. GEORGE E. EVANS, Waco, Tex. Continuation of application Serial No. 485,574, filed July 18, 1921. This application filed Aug. 18, 1922. Serial No. 582,633. 7 Claims. (Cl. 19—57.)



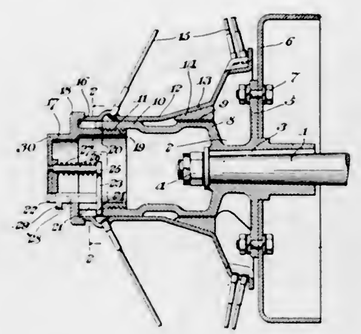
1. In a cotton gin, a roll box having curved ribs forming one side thereof, said ribs having an upper set of saw spaces and a lower set of saw spaces in staggered relation to the upper spaces, a transverse bar separating the lower spaces from the upper spaces, a saw cylinder having its blades rojecting thru the upper saw spaces of the ribs, a second saw cylinder having its blades projecting thru the lower saw spaces of the ribs, the blades of both saw cylinders projecting into the same roll box, and means for removing lint from the blades of the cylinders.

1,464,811. COTTON GIN. GEORGE E. EVANS, Waco, Tex. Filed Feb. 26, 1923. Serial No. 621,443. 9 Claims. (Cl. 19—59.)



1. In a cotton gin, a roll box having curved ribs forming one side thereof, said ribs having an upper set of saw spaces and a lower set of saw spaces entirely separated from the upper set of spaces, said ribs having a continuous transverse bar between their upper and lower saw spaces, a saw cylinder having its blades projecting thru the upper saw spaces of the ribs, a second saw cylinder having its blades projecting thru the lower saw spaces of the ribs, the blades of both cylinders projecting into the same roll box, and air flues adjacent the cylinders for removing the lint from the blades.

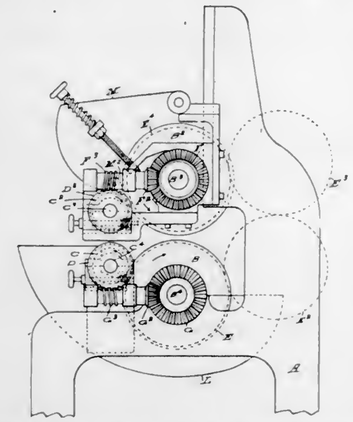
1,464,812. HUB-CAP-LOCKING DEVICE. LEWIS FINE, Philadelphia, Pa., assignor, by mesne assignments, to Budd Wheel Company, Philadelphia, Pa., a Corporation of Pennsylvania. Filed Aug. 27, 1919. Serial No. 320,179. 5 Claims. (Cl. 301—9.)



1. A device of the class described comprising the combination of a hub cap adapted to be screwed on a relatively fixed hub member, said hub cap having a guide slot in the side wall thereof, a guide pin carried by said cap, both said slot and pin extending parallel to the axis of said hub cap, a latch mounted on said guide pin for reciprocation and having a locking portion extending through said guide slot, and means for reciprocating said latch.

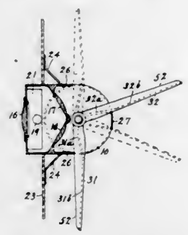
1,464,813. ROLLER SCRAPER BAR FOR GLUE-SPREADING MACHINES. HARRY GRANT FRANCIS, Rushville, Ind. Filed Apr. 10, 1922. Serial No. 551,124. 3 Claims. (Cl. 91—51.)

2. The combination of upper and lower rolls, troughs, for applying glue to the upper and lower rolls, scraper rolls for regulating the amount of glue which adheres to glue roll, the scraper rolls being driven by bevel gears, worm and worm gears, a plate attached to the inner side of the ends of upper trough between the glue roll



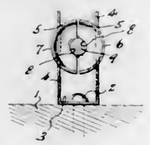
and scraper roll and of such a form as to conform to the contour of the scraper roll and glue roll, all substantially as described.

1,464,814. SIGNAL DEVICE. RALEIGH L. FRENCH, New York, N. Y. Filed Sept. 29, 1922. Serial No. 591,342. 5 Claims. (Cl. 116—51.)



1. In a signal device for a motor car, a casing therefor having a lamp, a light passage in the casing leading from the lamp toward the forward end of the car, and a signal arm on the casing movable into open and closed positions, the open position of the arm intercepting the rays of light from said passage and deflecting them rearwardly of the car and the closed position thereof permitting the rays of light to project forwardly of the car.

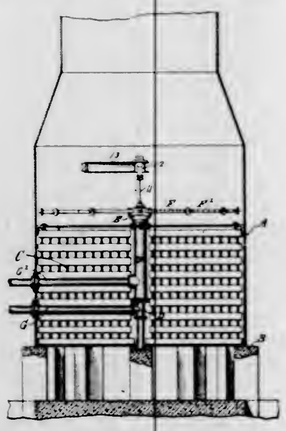
1,464,815. MACHINE ELEMENT. WILLIAM F. GEHRIG, Newark, N. J., assignor to Essex Specialty Co., Inc., Berkeley Heights, N. J., a Corporation of New Jersey. Filed May 25, 1922. Serial No. 563,733. 2 Claims. (Cl. 287—88.)



1. In a device of the kind described, a pair of opposed resilient standards having bearing openings, a split spherical body disposed intermediate said standards with its

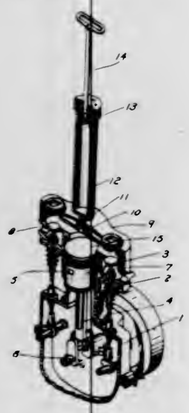
opposite convex surfaces rotatably journaled in said bearing openings, and a rod extending diametrically through said split spherical body so as to be frictionally engaged thereby but movable relative thereto, the tension of said standards upon said split spherical body tending to constantly thrust the members of the latter into frictional binding relation to said rod.

1,464,816. DISTRIBUTOR FOR COOLING TOWERS AND THE LIKE. JOHN F. GRACE, Kearney, N. J., assignor to Worthington Pump and Machinery Corporation, a Corporation of Virginia. Filed Mar. 20, 1920. Serial No. 367,447. 4 Claims. (Cl. 299—70.)



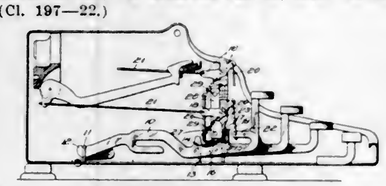
1. A rotating liquid distributor of that type rotated by the flow of water being distributed, having separate distributing members and separate connections for the flow of liquid to said members from different liquid supplies, any one of which is capable of rotating the distributor.

1,464,817. METHOD OF LOCATING KNOCKS IN EXPLOSIVE ENGINES. ELBERT A. HAMMETT, Kansas City, Mo. Filed Mar. 10, 1919. Serial No. 281,894. 4 Claims. (Cl. 73—51.)



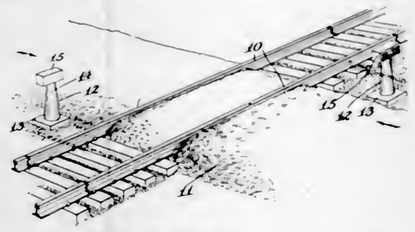
1. The method of locating "knocks" in explosive engines, which consists in alternately raising and lowering the pressure in the explosion chamber of the engine while the intake valve and exhaust valve are seated.

1,464,818. TYPEWRITING MACHINE. EDWIN L. HARMON and OTTO PETERMANN, Groton, N. Y., assignors to Corona Typewriter Company, Inc., Groton, N. Y., a Corporation of New York. Filed Sept. 10, 1919, Serial No. 322,774. Renewed Jan. 15, 1923. 14 Claims. (Cl. 197—22.)



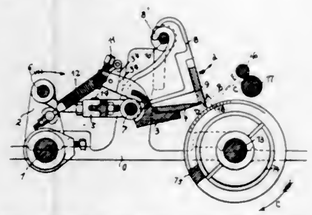
1. A combined key-lever guide and sub-lever support for type-bar actions comprising a metal plate having a downwardly bent portion slotted vertically at intervals to form a key-lever guide comb and having an upwardly bent portion provided with pivot ears for the sub-levers of a type-bar action.

1,464,819. SIGNAL DEVICE FOR ROAD CROSSINGS. HENRY HEIMENDINGER, Lake Charles, La. Filed Oct. 24, 1922. Serial No. 596,594. 12 Claims. (Cl. 246—128.)



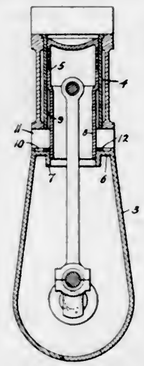
1. A railroad crossing signal of the class described comprising a suitable standard provided in the top portion thereof with a head in one face of which is mounted an exposed translucent plate, means within said head for illuminating said plate, said plate being provided with differently colored signal elements, means positioned between said illuminating means and said plate for controlling the signal elements of said head, and means for automatically operating said last named means.

1,464,820. SWINGING NIPPERS IN FLAT COMBING MACHINES. ERNST HERMANN HEINRICH, Chemnitz, Germany. Filed Jan. 27, 1923. Serial No. 615,399. 4 Claims. (Cl. 19—121.)



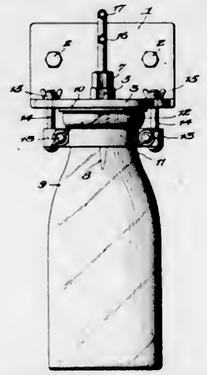
1. A flat combing machine, comprising, in combination, a combing drum; nippers, the lower jaw of each of which is formed as a double lever, and which are suspended above said drum; a lever, and means for oscillating it; a rod connecting said lever with the nippers; detaching rollers; the free arm of each of said double levers being adapted to engage, at the forward movement towards said detaching rollers, said connecting rod in such a manner that the nipper mouth opens, and to be disengaged from said rod at the rearward movement of the said nippers, as set forth.

1,464,821. SINGLE-ACTING ENGINE. OLAV ESKIL JORGENSEN, New York, N. Y. Filed Apr. 19, 1920. Serial No. 374,900. 3 Claims. (Cl. 74—108.)



1. In an engine, the combination with a crank case, a cylinder and a piston, of an extension having an unbroken surface associated with the piston, a partition between the crank case and the cylinder through which said piston-extension reciprocates, and a yieldable, oil-scraping ring associated with the partition to embrace the piston-extension.

1,464,822. PURIFIER FOR GASOLINE SYSTEMS. ORA H. JUSTUS, Parkersburg, W. Va. Filed Jan. 8, 1921. Serial No. 435,909. 9 Claims. (Cl. 210—165.)



1. In a gasoline system, a substantially L-shaped bracket formed for connection to the dash of an automobile, the horizontal member of the bracket having an inlet and an outlet, a bottle of standard type of manufacture, a gasket beneath said bracket member, a clamp removably engaged about the bottle neck and with the customary bead at the mouth thereof, vertical bolts extending through said bracket member and the clamp, wing nuts on the bolts engaged with the upper face of the bracket member to draw the bottle mouth against the gasket, and transverse bolts at the clamp ends to draw the latter into snug engagement with the bottle neck.

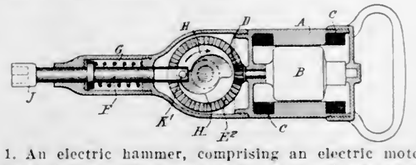
1,464,823. RIM-CONNECTING HOOK. FRED R. KLAUS, Cleveland, Ohio, assignor to The Hydraulic Pressed Steel Company, Cleveland, Ohio, a Corporation of Ohio. Filed June 9, 1919. Serial No. 302,868. 1 Claim. (Cl. 301—10.)

As a new article of manufacture, a forged bridge plate for transplit rims comprising a plate having a driving lug projecting from one face thereof, and a hook portion and rivets projecting from the opposite face thereof, the



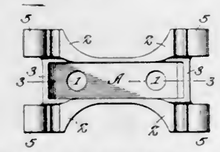
hook portion extending across one end of the plate and the rivets positioned at and near the opposite end.

1,464,824. ELECTRIC HAMMER. GEORGE L. KOLLOCK and ROBERT P. MARTIN, Seattle, Wash., assignors to Electric Hammer Company, Seattle, Wash., a Corporation of Washington. Filed Mar. 22, 1922. Serial No. 545,819. 2 Claims. (Cl. 78—27.)



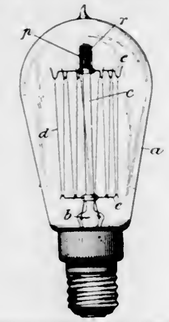
1. An electric hammer, comprising an electric motor, a bevel-pinion on the motor shaft, two bevel gear-wheels both driven by the said pinion but in opposite directions, a hammer with projections on opposite sides thereof extended into the space between the gear-wheels, an operating spring for the hammer, and oppositely-rotating cams on the adjacent sides of the respective gear-wheels acting co-operatively on the said hammer projections.

1,464,825. DRILLED BASE ANCHORAGE FOR WINDOW-CLEANERS' HARNESS. BENJAMIN KUGLER, Chicago, Ill. Filed Feb. 19, 1923. Serial No. 619,979. 2 Claims. (Cl. 20—72.)



1. An anchorage for window cleaners' harness comprising a body portion having an opening therein to receive a headed securing element, studs disposed one to either side of said opening whereby a window cleaner's harness may be attached to the anchorage, and webs connecting said studs with the end and side edge portions of the body whereby to provide a protective pocket to receive the head of the fastening element.

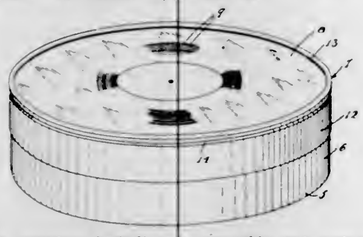
1,464,826. ELECTRIC INCANDESCENT LAMP. ANTON LEDERER, Vienna, Austria, assignor to Westinghouse Lamp Company, a Corporation of Pennsylvania. Filed May 16, 1914, Serial No. 838,951. Renewed Oct. 18, 1919. Serial No. 331,751. 4 Claims. (Cl. 176—16.)



1. An incandescent electric lamp comprising a metallic filament and containing pure red phosphorus, held in a

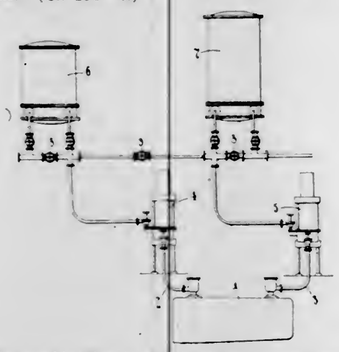
container composed of ruby glass which screens it from the light and heat emitted by the lamp whereby transformation of the phosphorus to an undesirable form is retarded.

1,464,827. GOODS CONTAINER. CHARLES C. MORRISON, New York, N. Y. Filed Jan. 18, 1921. Serial No. 438,086. 12 Claims. (Cl. 229—6.)



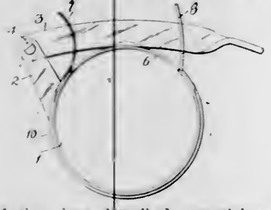
2. A container including a removable and replaceable exteriorly exposed phonograph record as a constituent part of one of its enclosing walls.

1,464,828. FORCED-LUBRICATION SYSTEM. CHARLES ALGERNON PARSONS and STANLEY SMITH COOK, Newcastle-upon-Tyne, England; said Cook assignor to said Parsons. Filed July 7, 1920. Serial No. 394,548. 14 Claims. (Cl. 184—6.)



2. The combination in a lubrication system comprising a plurality of branches using a single grade of lubricant, of conduits leading to the parts to be lubricated which require lubricant of different viscosities, a common drain tank collecting lubricant from said parts, separate coolers connected to said conduits for differentially cooling said collected lubricant and thereby altering its viscosity, means for passing lubricant from said drain tank to said coolers, a gravity tank in the various branches each supplying oil at a different viscosity, and overflow pipes from the gravity tanks to the drain tank, as set forth.

1,464,829. CANNING DEVICE. IGNATIUS RANCADORE and LEOPOLD PECORARO, San Jose, Calif. Filed Apr. 26, 1922. Serial No. 556,795. 1 Claim. (Cl. 226—101.)



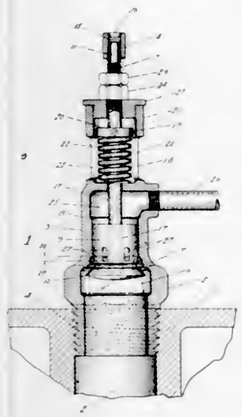
A device of the class described comprising an open ended cylinder; said cylinder also having an opening in its side and adapted to receive a commodity to be canned, a lever pivoted transversely of the cylinder, and a curved plate carried by the handle adapted to occupy the space in the open side of the cylinder, the curve of said plate corresponding to the curvature of the cylinder to complete the circumference thereof and curved guide plates along the sides of the opening in the cylinder having slots to receive the handle which carries the plate to align the plate with the opening in the cylinder, said guide plates being curved to correspond to the path of the plate when moved to and from the opening in the cylinder.

1,464,830. UMBRELLA. JAMES REID, New York, N. Y., and HARRY HOPKINSON, South Orange, N. J., assignors to Raincheck Umbrellas, Inc., a Corporation of New Jersey. Filed Aug. 24, 1922. Serial No. 583,976. 13 Claims. (Cl. 135—20.)



2. An umbrella comprising a cone shaped element having its central portion depressed to provide a stretcher unit, the remaining portion of said cone shaped member being adapted to serve as a part of the cover.

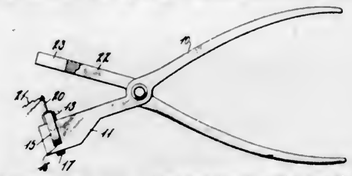
1,464,831. INTERNAL-COMBUSTION ENGINE. JOHN J. REINHOLD, Marietta, Pa. Filed Nov. 14, 1921. Serial No. 514,977. 1 Claim. (Cl. 123—198.)



The combination with an internal combustion engine having more than one cylinder, of a fuel supply for the cylinders, a manifold for conducting the fuel supply to two or more cylinders, means for admitting directly in each cylinder a tempering fluid to bring the fuel mixture to a practical perfect state, means for independently controlling the quantity of said tempering fluid which enters each cylinder, and means provided whereby combustion of the fuel is visible.

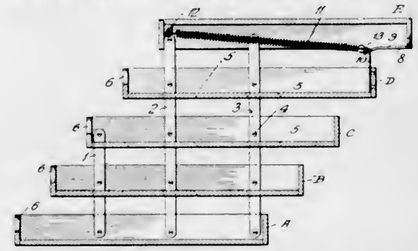
1,464,832. STITCHING FORCEPS. THOMAS B. RICHARDSON, Piedmont, Okla. Filed June 22, 1922. Serial No. 570,128. 5 Claims. (Cl. 128—340.)

1. A stitching forceps having a slotted upper jaw and a recessed lower jaw, a needle holder between the said jaws, means for supporting the said holder above the recess of the lower jaw when the forceps are opened and yieldable to allow the holder to be forced into the said recess when the forceps are closed, and needle-projecting



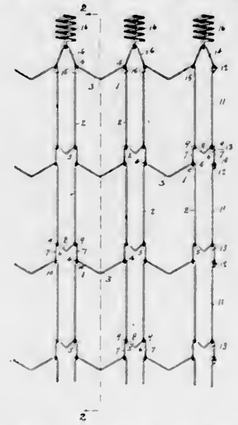
means within the said holder for forcing the needle of the latter into the slot of the upper jaw when the forceps are closed.

1,464,833. FILING DEVICE. WILLIAM A. RINGLER, Philadelphia, Pa., assignor to The Globe-Wernicke Company, a Corporation of Ohio. Filed Oct. 21, 1922. Serial No. 595,923. 7 Claims. (Cl. 211—16.)



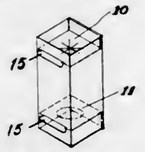
4. A filing device comprising a plurality of superimposed units connected by parallel links, said links being pivotally connected to adjoining units, whereby relative movement of the units will result in a separation and lateral spacing of the same, a spring device connected under tension between two of the units in the direction of relative lateral movement therebetween for stressing the units in a direction to rotate the links into positions in which they are normal to the units, and means acting between two of the units for limiting relative movement of the units under the action of the spring device.

1,464,834. LINK FABRIC FOR BEDSPRINGS. JACOB SCHWARTZMAN, Brooklyn, N. Y. Filed Nov. 26, 1921. Serial No. 518,013. 3 Claims. (Cl. 245—5.)



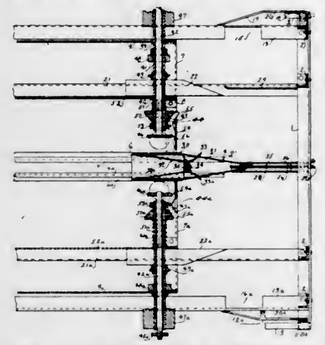
1. A wire fabric comprising a plurality of main links having substantially parallel legs interconnected together by a V-shaped expansible portion at one end, said main links being arranged side by side in transverse rows, the main links of one row being longitudinally alined with the main links of adjacent rows, and a plurality of connector links, said connector links serving to mutually interconnect both transversely and longitudinally adjoining links.

1,464,835. CARTON. AUGUSTUS E. SNYDER, Bloomfield, N. J., assignor to Westinghouse Lamp Company, a Corporation of Pennsylvania. Filed June 6, 1918. Serial No. 238,557. 4 Claims. (Cl. 229—39.)



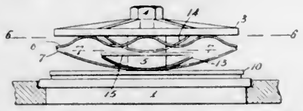
1. An incandescent lamp carton comprising a strip of material folded into five panels, the outer panels being overlapped, so as to form four side walls of the carton, the middle panel being provided with extensions folded inwardly to form end closures for the carton, said end closures being respectively provided with an aperture to accommodate the base of the lamp and a tip supporting means and each being provided with a flap engaging the overlapping panels to hold the container in assembled form and secure each end closure in position and spaced from the adjacent edges of the side walls.

1,464,836. FRUIT CUTTING AND PITTING MACHINE. JAMES TURNER, Campbell, Calif. Filed July 1, 1922. Serial No. 572,260. 16 Claims. (Cl. 146—28.)



1. A fruit cutting and pitting machine comprising a pair of opposed expansible fruit grasping devices, means for advancing and retracting said devices at predetermined intervals, means for expanding and contracting each of said devices at predetermined intervals, a pair of opposed knives having their cutting edges passing between said fruit grasping devices, and means for imparting a rotary motion to said devices.

1,464,837. VALVE. OSCAR R. WIKANDER, Glen Ridge, N. J., assignor to Worthington Pump and Machinery Corporation, New York, N. Y., a Corporation of Virginia. Filed Nov. 6, 1920. Serial No. 422,211. 10 Claims. (Cl. 251—119.)



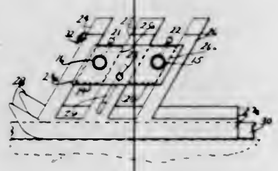
1. The combination with an annular plate valve and an abutment, of a pair of spring plates for controlling

the movement of the valve interposed between the valve and the abutment, said plates being arranged to form a single bow spring, and one of said plates being corrugated or waved.

1,464,838. PRIMARY BATTERY AND PROCESS OF MAKING THE SAME. HENRY WILHELM, Brooklyn, N. Y. Filed Dec. 31, 1918. Serial No. 269,152. 19 Claims. (Cl. 204—38.)

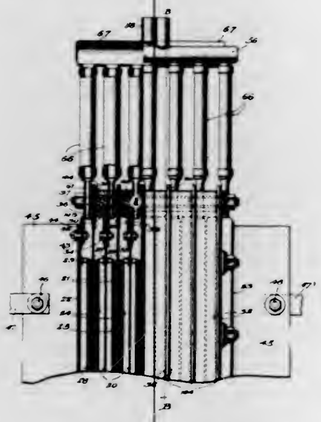
19. The method of making a battery which consists in supplying a cup with a mixture of electrolyte materials, permitting said mixture to gelatinize, and then inserting a cartridge into the gelatinized mixture.

1,464,839. GAUGE. AGOSTINO ALBO and VINCENZO MASELLS, San Jose, Calif. Filed May 2, 1922. Serial No. 557,967. 3 Claims. (Cl. 143—168.)



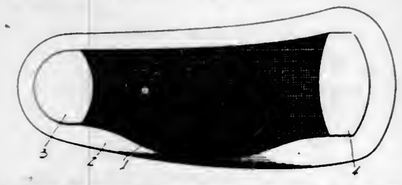
1. A gauge of the character indicated including a plate holder comprising a pair of spaced plates having an angular guide formed therebetween, a gauge plate carrying a forwardly extending shoe and an upstanding angularly arranged element adapted to engage said guide, and means for limiting the movement of said element in said guide.

1,464,840. ELECTROLYTIC APPARATUS. WILLIAM G. ALLAN, Toronto, Ontario, Canada, assignor to The Toronto Power Company, Limited, Toronto, Canada, a Corporation of Ontario, Canada. Filed Sept. 13, 1920. Serial No. 409,899. 34 Claims. (Cl. 204—5.)



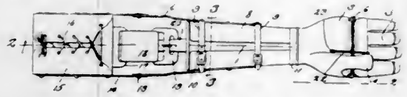
1. In electrolytic apparatus, a cell casing comprising a plurality of annular cell frames each having inwardly and outwardly projecting flanges, said frames being assembled with the outer flanges abutting in pairs and the inner flanges abutting in pairs.

1,464,841. ARCH SUPPORT. WILLIAM NOBLE BARRETT, Meadville, Pa. Filed Aug. 10, 1922. Serial No. 580,882. 2 Claims. (Cl. 36—71.)



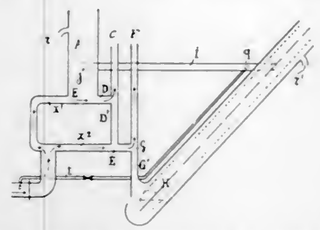
1. An arch support comprising a metallic arch-forming element formed of spring wire mesh.

1,464,842. ARTIFICIAL ARM. THOMAS BURGAN, Plains Parsons, Pa. Filed Oct. 18, 1922. Serial No. 595,309. 2 Claims. (Cl. 5—12.)



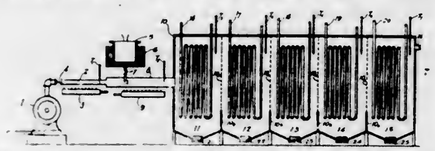
1. An artificial arm comprising an attaching portion for engaging the upper arm of a stump, a sleeve split longitudinally, a hinge connection between the sleeve and the attaching portion, a tapered tubular member embraced by the sleeve for receiving the fore arm portion of the stump, a hand portion fixedly connected to and movable with the small end of the tubular member and cooperating with the end of the sleeve to hold the tubular member against withdrawal in one direction from the sleeve, and flexible means embracing the sleeve for contracting upon the tubular member to hold said member against rotation within the sleeve.

1,464,843. PROCESS AND PLANT FOR SORTING, WASHING, OR CLASSIFYING MIXED MATERIALS OF DIFFERENT SPECIFIC GRAVITIES OR VOLUMES. MARCEL CROQUET, Montigny-le-Tilleul, Belgium. Filed Jan. 16, 1922. Serial No. 529,506. 1 Claim. (Cl. 82—81.)



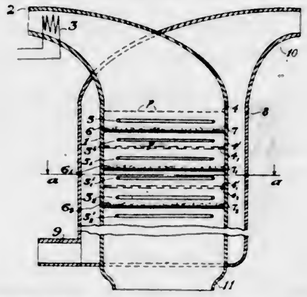
A plant comprising in combination: a series of horizontal conduits, a series of vertical conduits extending upwardly from the end of each of the said horizontal conduits, means for supplying water under pressure to the horizontal conduits and the upward conduits at the end thereof, a flooded vertical feeding conduit to receive the mixed materials to be treated and which delivers into the uppermost horizontal conduit, a series of vertical conduits adapted to contain water in the static state extending downwardly from the end of each horizontal conduit and delivering into the horizontal conduit immediately below except in the case of the lowermost, a bucket elevator adapted to collect the material discharged at the lower end of the vertical conduit extending downwardly from the end of the said lowermost horizontal conduit, and a suitable communication between the vessel formed by the casing of the said elevator and the aforesaid feeding conduit, by means of which any variations of the water level in the different parts of the plant are compensated.

1,464,844. SUBLIMATION PROCESS. CHARLES R. DOWNS, Cliffside, N. J., assignor to The Barrett Company, a Corporation of New Jersey. Filed July 2, 1919. Serial No. 308,308. 6 Claims. (Cl. 260—57.)



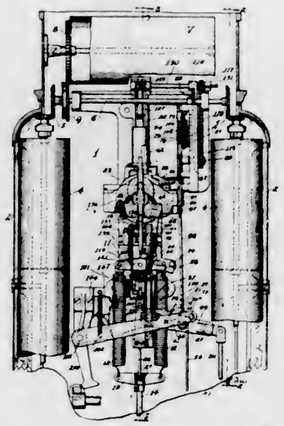
4. The herein described process which comprises maintaining a gaseous mixture containing anthracene and anthraquinone vapors for a considerable period of time at a temperature of about 200° C.

1,464,845. APPARATUS FOR PRODUCING CHEMICAL REACTIONS. CHARLES R. DOWNS and CHARLES G. STUPP, Cliffside, N. J., assignors to The Barrett Company, a Corporation of New Jersey. Filed June 4, 1920. Serial No. 386,612. 15 Claims. (Cl. 23—28.)



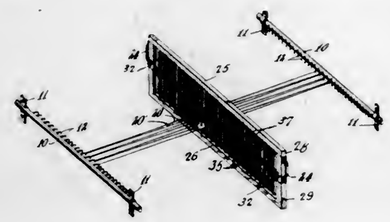
1. In an apparatus for controlling the temperature of chemical reactions, a zone in which chemical reaction takes place, a temperature regulating means in proximity to but out of contact with said zone, and heat reflecting means on the other side of said temperature regulating means from said zone.

1,464,846. WEIGHING AND ADVERTISING MACHINE. ALBERT HEIMANN, New York, N. Y. Filed Jan. 22, 1917. Serial No. 143,609. Renewed Dec. 23, 1922. 28 Claims. (Cl. 265—68.)



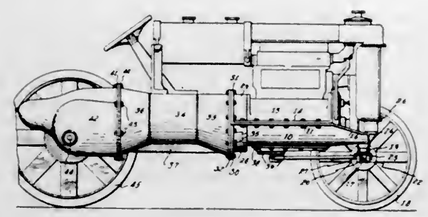
1. In an automatic weighing machine, in combination, indicating mechanism for indicating weight, weight responsive mechanism for controlling the actuation of the indicating mechanism, a check device for normally holding said indicating mechanism against being actuated, a movable member and an actuator movably carried thereby for moving said check device to release the indicating mechanism therefrom, and a part adapted to connect with a coin receiving mechanism for controlling the position of said actuator and for placing the actuator in a position in which it will move the said check device to effect the release of the said indicating mechanism.

1,464,847. LOOM FOR HAND WEAVING. MICHAEL HUYZ, Braznell, Pa. Filed Mar. 18, 1922. Serial No. 544,751. 2 Claims. (Cl. 139—91.)



1. In a hand loom, a warp thread manipulating element comprising a frame divided into upper and lower separable sections, and including vertical bars similarly divided, the bars of one of said sections being slotted at their inner ends to receive the warp threads, the bars of the other section closing the said slots when in place.

1,464,848. TRACTOR. RALPH HUMPHRIES, Detroit, Mich. Filed Aug. 25, 1921. Serial No. 495,376. 1 Claim. (Cl. 180—54.)

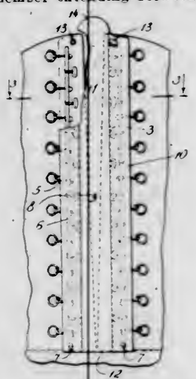


In combination, an engine, a casing disposed thereunder adapted to support said engine and having an integral hollowed out portion at one end thereof adapted to partially house an engine fly wheel and for attachment to another housing member and an integral hollow nose at the other end thereof beyond the forward end of said engine adapted to partially shield certain operating parts and having integral downwardly extending lugs adapted to be pivoted to an axle and a pair of upwardly extending brackets thereon, provided with flattened plates at their upper ends and holes in said plates through which a radiator may be secured and supported upon said plates.

1,464,849. SHOE FASTENER. EDWARD LOEHR-VOIGHT, Bayside, N. Y. Filed Aug. 25, 1921. Serial No. 495,190. 9 Claims. (Cl. 24—207.)

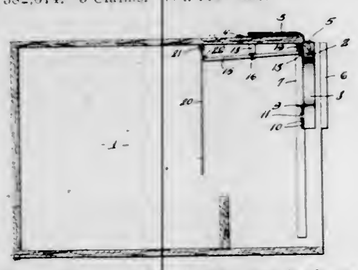
1. A shoe fastener comprising guides, a plurality of separate devices for holding the guides spaced from the in-

side of the upper of the shoe adjacent to the opening therein, and a member extending between the guides and



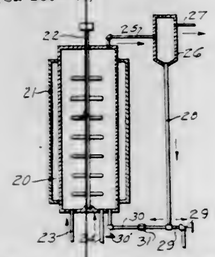
slidably attached thereto for closing the opening and drawing the upper about the foot and ankle of the wearer.

1,464,850. POULTRY TAG FOR TRAP NESTS. MERTON MERRITT, Syracuse, N. Y. Filed Aug. 18, 1922. Serial No. 582,674. 5 Claims. (Cl. 119—50.)



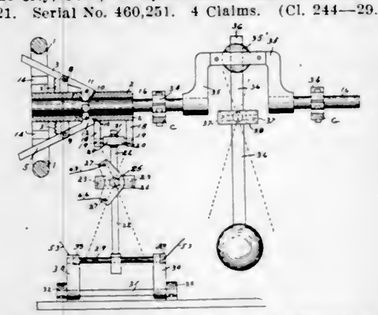
1. The combination with a trap nest having a gate, means for closing the gate when the fowl enters the nest, the gate being movable outwardly from closed position and means for preventing movement of the gate inwardly, the gate having an upright slot opening through its lower edge and shoulders spaced apart adjacent the slot, of a tag, in the form of a collar comprising opposing spring-pressed sections connected together at like ends to have a pivotal movement and their other ends arranged to be separated and to engage the spaced apart shoulders with the opening enclosed by the collar aligned with the slot, substantially as and for the purpose described.

1,464,851. PROCESS OF PRODUCING RESIN. STUART P. MILLER and JOSEPH BENNETT HILL, Philadelphia, Pa., assignors to The Barrett Company, a Corporation of New Jersey. Filed Apr. 9, 1921. Serial No. 459,832. 8 Claims. (Cl. 260—7.)



4. The process of continuous polymerization which comprises substantially continuously introducing a polymerizing agent and a naphtha containing polymerizable constituents into a receptacle, and maintaining them intimately mixed, drawing off the polymerized naphtha, permitting it to settle and returning the polymerizing agent to the receptacle.

1,464,852. CONTROLLING MECHANISM FOR FLYING MACHINES. ROBERT E. MITTON, Salt Lake City, Utah, assignor to Mitton-Braley Aeroplane Control Co., Salt Lake City, Utah, a Corporation of Utah. Filed Apr. 11, 1921. Serial No. 460,251. 4 Claims. (Cl. 244—29.)



1. A controlling mechanism for flying machines of the character described, comprising a control wheel and a pendulum for controlling said mechanism, said control wheel having a sleeve projecting therefrom, said sleeve having brackets thereon, locking levers supported by said brackets, a shaft within said sleeve, one of said locking levers for locking said sleeve to said shaft in such a manner that the pendulum will automatically operate the mechanism to the right or left, the other locking lever for locking said sleeve to said shaft in such a manner so the pendulum will automatically operate said mechanism backward or forward, spring means for holding said locking levers in the locked position, notches in said control wheel for holding said locking levers in an unlocked position, and means for holding said locking levers within said notches.

1,464,853. PENCIL. JESSE E. ROACH, Oakland, Calif., assignor, by mesne assignments, to Autopoint Manufacturing Company, Chicago, Ill., a Corporation of Illinois. Filed Oct. 6, 1917. Serial No. 195,206. 12 Claims. (Cl. 120—18.)



1. A pencil having a chambered body in which is fixed a core curved in horse-shoe shape in cross section to provide a slit communicating with a central passage-

way therein, a lead propelling plunger adapted for travel within the central passageway of the core, the plunger having a head extending within the slit, and dovetailed teeth upon the head extending exteriorly of the core, and a sleeve mounted for rotation within the body, the sleeve having undercut threads to form an interlocking connection with the plunger teeth, and means exteriorly of the body for rotating the sleeve whereby the plunger is advanced within the pencil, substantially as described.

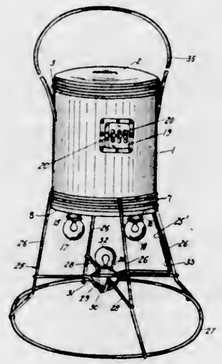
6. A pencil having a chambered body within which is arranged a lead propelling mechanism including two parts interlocked by means of an undercut thread on the one and a dovetailed tooth on the other, and adapted for relative longitudinal movement when one such part is rotated relative to the pencil body, the part so rotatable relative to the body having a threaded connection therewith independent of its threaded connection with the other part, and being automatically disconnected from the body when the mechanism is operated in one direction for a predetermined distance, and when rotated in the opposite direction being automatically connected to the body, substantially as described.

1,464,854. GUARD FOR AUTOMOBILE IGNITION SWITCHES. WILBER S. ROSE, Denver, Colo. Filed Dec. 31, 1921. Serial No. 526,424. 1 Claim. (Cl. 70—122.)



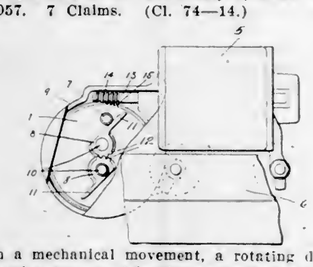
In combination with a switch of the class described having a seat formed in one of its wings, of a cap comprising a front plate and sides adapted to engage over the switch, said sides having perforations formed therein adapted to aline with said seat, and a pad lock having its shackle engaged in the perforations and seat of the switch to lock the cap directly with the switch.

1,464,855. ELECTRIC RAILROAD LANTERN. PETER J. SLOAN, Denver, Colo., assignor, by direct and mesne assignments, of one-half to Sanfred Erickson and fifty per cent to Albert J. Cole, both of Denver, Colo. Filed Apr. 19, 1920. Serial No. 374,837. 3 Claims. (Cl. 240—8.5.)



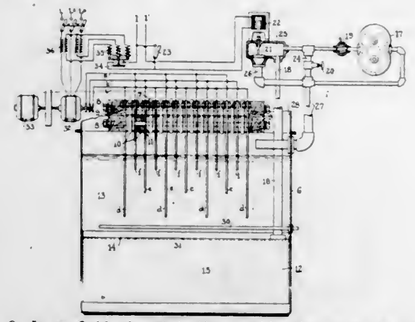
1. A lantern of the class described, comprising a container, supporting legs depending from the container, horizontal cross bars connecting the legs and having their central portions formed with depressions arranged in intersecting relation to provide a seat, and a socket rigidly mounted in the seat.

1,464,856. MECHANICAL MOVEMENT. SERGIUS VERNET, Syracuse, N. Y. Filed May 3, 1922. Serial No. 558,057. 7 Claims. (Cl. 74—14.)



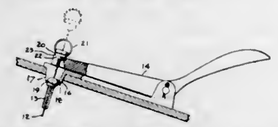
1. In a mechanical movement, a rotating driving element having an eccentric pin, an oscillating driven element mounted to rock about an axis eccentric to the axis of the driving element and located within the orbit of said pin, the driven element having a radial follower arm, the end portion of which moves in an orbit lapping one side of the orbit of said pin whereby the pin engages said arm and moves it in one direction until the pin moves out of engagement with said arm, and means for moving the driven element in the opposite direction when the pin moves out of the lapping portions of said orbits and out of engagement with said arm, substantially as and for the purpose described.

1,464,857. RHEOSTAT. HENRY N. WADE, Milwaukee, Wis., assignor to The Cutler-Hammer M'f'g Co., Milwaukee, Wis., a Corporation of Wisconsin. Filed July 1, 1918. Serial No. 242,712. 22 Claims. (Cl. 219—57.)



9. In a fluid rheostat, the combination with an electrolyte tank, of a plurality of electrodes extending unlike distances therewithin and adapted upon rise in level of the electrolyte to make contact therewith and to be immersed therein in distinct steps, the longest electrodes constituting the first step being equally spaced from one another, the electrodes next in length constituting the second step and being medially interposed between adjacent electrodes of the first step and the shortest electrodes constituting the third step and being similarly arranged between adjacent electrodes of the former two steps.

1,464,858. ACCELERATOR. PERCY J. WILLIAMS, San Francisco, Calif. Filed Sept. 30, 1922. Serial No. 591,613. 10 Claims. (Cl. 74—39.)



1. A joint construction embodying a stationary member, a movable member, a flexible tube, a flexible ele-

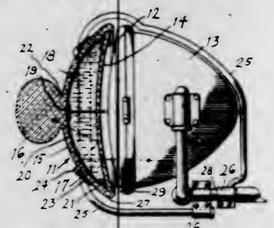
ment relatively movably mounted in the tube, and ball and socket connections joining the element and the tube with said members.

1,464,859. GEAR-SHIFT LOCK. JOHN WITTE, Ferguson, Mo. Filed Sept. 15, 1922. Serial No. 588,505. 6 Claims. (Cl. 70—128.)



1. In a gear shift lock, a shift lever including a handle portion, and a member slidably mounted upon said lever at a point spaced from its handle portion and adapted to engage a plurality of gear shift elements to prevent their relative movement.

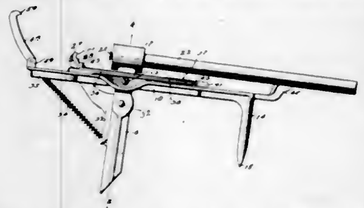
1,464,860. HEADLIGHT SHIELD. ZENICHI YASUDA, Santa Barbara, Calif. Filed June 30, 1922. Serial No. 571,941. 4 Claims. (Cl. 240—48.4.)



1. In a headlight shield, a lens-walled receptacle, a liquid content therein, a spherical and transparent protuberance integral with the front receptacle wall and projecting axially therefrom, and a light obscuring means within the receptacle and disposed at the center thereof to intercept the central rays of light.

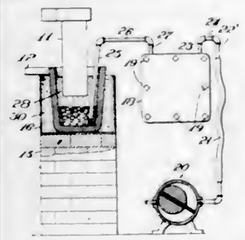
1,464,861. GOPHER GUN. ROBERT FRANCIS ARMSTRONG, La Cygne, Kans. Filed Mar. 7, 1921, Serial No. 450,272. Renewed Dec. 29, 1922. 5 Claims. (Cl. 43—84.)

1. In a device of the character described, a two-part frame, fastening means for securing the parts of said frame together, a pair of diverging legs carried by the rear part of said frame, a single leg carried by the forward part of said frame and adapted to be firmly anchored in the ground to incline the frame, a breech carried by the rear part having a cavity therein threaded at its forward end and a bore communicating with the rear of said cavity, a barrel having external threads engaged with the threads of said breech, a firing pin slidably mounted in the firing line of said breech, a hammer for coacting with said firing pin, a compound lever carried by said hammer and having an arm pivoted to said frame, an arm integral with the hammer and a third arm angularly arranged with respect to said other arms, a frame extension rigid with the frame, retractile coil spring connected at one end to the frame extension, and at the other to the third arm of said compound lever and



tensioned to throw said hammer into engagement with said firing pin, and trip mechanism including coacting trip levers, a trip rod cooperating with one of said levers and adapted to be actuated by the animal, and a detent carried by the other of said levers and engageable with the hammer.

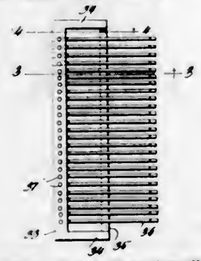
1,464,862. METHOD AND APPARATUS RELATING TO THE PRODUCTION OF METALS. CLARENCE W. BALKE, Highland Park, Ill., assignor to Fansteel Products Company, Inc., North Chicago, Ill., a Corporation of New York. Filed Feb. 10, 1919, Serial No. 276,184. Renewed Oct. 7, 1921. Serial No. 506,148. 8 Claims. (Cl. 204—19.)



1. The combination with a furnace for producing metals, of a casing surrounding said furnace, heat insulating means, and means whereby said casing can be filled with or emptied of said heat insulating means.

8. The combination with a closed mold, of a source of suction, means for connecting said mold with said source of suction, comprising a conduit having a removable section, a second conduit for connecting said mold with a source of molten metal, and copper shavings in said removable section for preventing the flow of molten metal into said source of suction when said mold becomes filled.

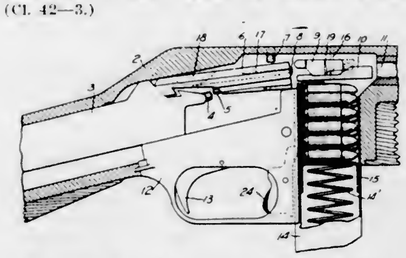
1,464,863. THRASHING MACHINE. WILLIAM F. BROWN, Little Rock, Ark., assignor of one-half to Joseph L. Lyons, Little Rock, Ark. Filed Mar. 25, 1921. Serial No. 455,662. 1 Claim. (Cl. 130—27.)



A grate mechanism of the class described including a substantially rectangular frame comprising a front bar

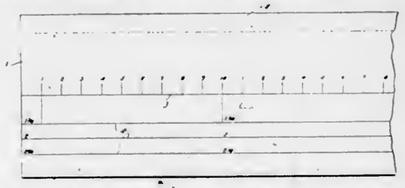
provided with a series of openings extending from its rear side and a second series of openings extending from its upper side, side bars extending rearwardly from the front bar, a rear bar attached to the side bars so as to offset therefrom, a plurality of grate bars having reduced ends extending into the first series of openings in the front bar and having their intermediate portions resting on the rear bar, and rivets in the second series of openings and passing through the reduced ends of the grate bars so as to securely fasten them to the front bar.

1,464,864. FIREARM. JOHN M. BROWNING, Ogden, Utah. Filed Sept. 27, 1921. Serial No. 503,602. 4 Claims. (Cl. 42—3.)



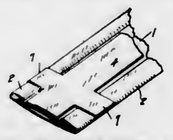
1. A firearm provided with a barrel and with a cartridge magazine, a reciprocatory breech bolt which when in a forward position is above the magazine, the magazine having spring means to advance the cartridges upwardly, and means for causing the breech bolt to pass along the cartridges on recoil and without acting on said spring, and to engage the topmost cartridge on the advance thereof and cause said cartridge thus engaged to be projected into the barrel, the firearm having means to positively prevent downward movement of the forward portion of the breech bolt on its initial rearward motion.

1,464,865. BLASTING PAPER SHEET. GEORGE S. CLARK, Bowling Green, Ky., assignor, by mesne assignments, to Clark Patent Tubing Co., Wheeling, W. Va., a Corporation of West Virginia. Filed Mar. 1, 1921, Serial No. 448,941. Renewed Jan. 9, 1923. 1 Claim. (Cl. 102—6.)



A blasting sheet consisting of a strip of paper gummed on one side along an edge thereof and having the reverse side ruled to provide an intermediate scale, and a plurality of longitudinal lines at different distances from the opposite edge of the strip, whereby to determine a shell of required diameter and length.

1,464,866. BLASTING SHELL. GEORGE S. CLARK, Bowling Green, Ky., assignor, by mesne assignments, to Clark Patent Tubing Co., Wheeling, W. Va., a Corporation of West Virginia. Filed Mar. 15, 1921, Serial No. 452,405. Renewed Jan. 9, 1923. 7 Claims. (Cl. 102—6.)



1. As a new article of manufacture, a multiple blasting shell or tube comprising a plurality of independently con-

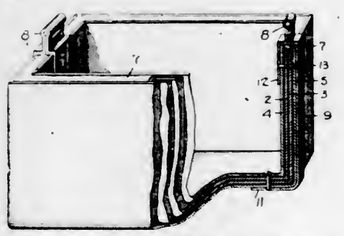
fined size folds or crimps whereby to provide a shell of required diameter by releasing and extending one or more of the size folds or crimps.

1,464,867. DEVICE FOR PRODUCING PERMANENT UNDULATION. RUDOLF EICHENBERGER, Zurich, Switzerland. Filed Sept. 11, 1922. Serial No. 587,412. 7 Claims. (Cl. 132—36.)



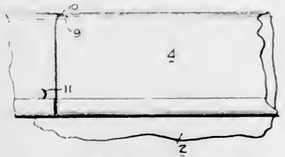
1. In a device of the type described, a tubular curl-stick for winding a plait of hair thereon, and a cord having its one end fixed to said curl-stick and its other end passing through the bore of said tubular curl-stick to form a loop for conveniently clamping one end of the plait of hair to be permanently curled.

1,464,868. BATTERY BOX. DOZIER FINLEY, Oakland, Calif., assignor to The Paraffine Companies, Inc., San Francisco, Calif., a Corporation of Delaware. Filed May 16, 1921. Serial No. 470,054. 8 Claims. (Cl. 206—2.)



1. A box comprising outer layers of prepared roofing and inner layers of container board, layers of bituminous compound between said outer and inner layers, and a coating of bituminous compound over said box.

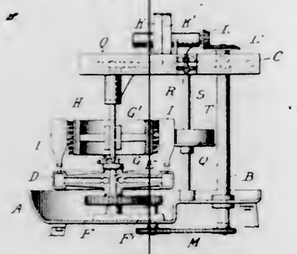
1,464,869. BARREL CONSTRUCTION. STANTON W. FORSMAN, Los Angeles, Calif., assignor to The Paraffine Companies, Inc., a Corporation of Delaware. Filed Oct. 19, 1921. Serial No. 508,656. 6 Claims. (Cl. 217—89.)



1. A split croze ring of channel form in cross section to fit down over the end of a barrel and having inwardly extending spaced, seat forming shoulders to receive a head,

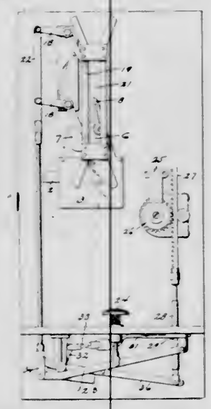
the meeting ends of the ring being constructed so as to meet in telescoping position, and so that the top cross connecting portions of the channel at the telescoped ends of the ring lie in alinement.

1,464,870. BOTTLE WASHER. CHARLES HAMANN, Port Chester, N. Y. Filed Jan. 30, 1919. Serial No. 274,116. 5 Claims. (Cl. 15—63.)



1. A bottle-washing machine comprising upper and lower receptacles, a column connecting the two receptacles, a circular bottle carrier over the lower receptacle, driving mechanism therefor, primary driving mechanism for the machine mounted in the upper receptacle, said driving mechanisms being connected, a brush wheel concentric with the bottle carrier, a belt for rotating the bottles, and means for actuating the belt.

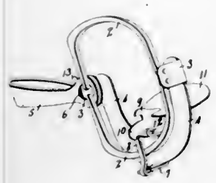
1,464,871. ELEVATOR-DOOR-LOCK-CONTROL MECHANISM. WILLIAM H. HARTMAN, Los Angeles, Calif., assignor to Randall Control and Hydrometric Corporation, Los Angeles, Calif., a Corporation of California. Filed Nov. 23, 1920. Serial No. 425,969. 5 Claims. (Cl. 187—49.)



1. The combination with an elevator shaft door, of a bolt on said door, a lock casing secured to the elevator shaft structure and into which said bolt extends, a latch in said casing adapted to engage said bolt, and a weighted lever arranged entirely externally of the lock, engaging said latch and serving to move the latch into engagement with the bolt.

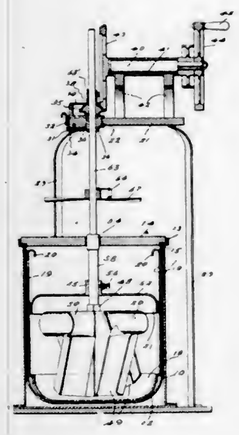
1,464,872. ANIMAL TRAP. ROBERT HEDDLE and ROBERT QUA, Nelson, British Columbia, Canada. Filed Mar. 24, 1923. Serial No. 627,432. 4 Claims. (Cl. 43—93.)

4. An animal trap, comprising in combination, a flat base portion of horseshoe form having portions upturned adjacent the ends and apertured to receive the pivots of the jaw members, a spring the ends of which are apertured to pass over one of the upturned ends of the base member between the base and the pivot apertures of the jaw members, opposed jaw members pivotally mounted in the apertures of the upturned ends, one end of one jaw member pivot being bent round to pass under one end of the spring, a bait pan pivotally connected to the



base to project over the space between the ends of the base member, said base member having a double notched sear connected to it, and a latch member pivotally connected to the base opposite the bait pan connection and adapted to engage one or other of the notches of the sear and retain that jaw member in the open position with the plane of the pan parallel to that of the base or at right angles thereto.

1,464,873. CHURN. AVERY E. HENDRICKS, Meadow, Tex. Filed July 22, 1921. Serial No. 486,810. 4 Claims. (Cl. 259—107.)

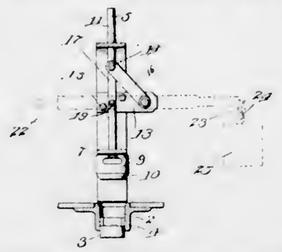


1. A churn dasher, including blades, each formed with an approximately vertical channel member the major portion of which presents a flat surface, and a laterally extending element having a concave surface, against which cream from the flat surface is thrown, incident to the rotation of the dasher.

1,464,874. AUTOMATIC CUT-OFF VALVE. JAMES H. HESLAR, Muskogee, Okla. Filed Feb. 21, 1922. Serial No. 538,232. 3 Claims. (Cl. 220—89.)

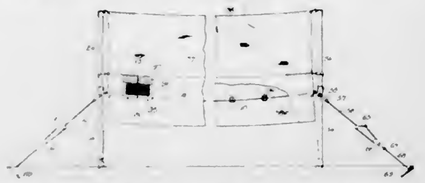
1. In combination with a container having an outlet opening therein, a valve for closing said outlet opening, a shaft mounted in said container having one end connected to said valve for imparting reciprocal movement

to the same, an arm fixedly mounted on the outer end of said shaft exteriorly of the container having one end



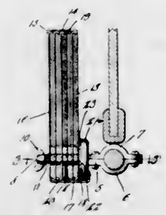
weighted, a counterweight, and a fusible link for connecting the counterweight to the remaining end of said arm.

1,464,875. COMBINATION TENT, HAMMOCK, AND PACKSACK. OLIVER L. HULL and MARGUERITE E. HULL, Portland, Oreg., assignors, by direct and mesne assignments, of one-fourth to Charley Abbott, Portland, Oreg., one-fourth to said Oliver L. Hull, and one-half to said Marguerite E. Hull. Filed Oct. 21, 1921. Serial No. 509,453. 7 Claims. (Cl. 5—128.)



1. A tent hammock including a canopy, a hammock around which the canopy depends and to which the hammock is connected, end supports for the hammock and canopy, said canopy having tubular spring holders extending lengthwise thereof from its ends, and springs connected at their inner ends to said holders and projecting outwardly for engagement with said supports.

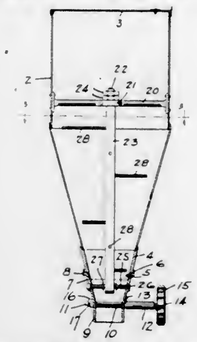
1,464,876. COLLAPSIBLE SCREEN. ISHAM E. KING, Durham, N. C. Filed Dec. 19, 1922. Serial No. 607,887. 3 Claims. (Cl. 296—97.)



1. A wind shield screen comprising end sections and inner sections, each of the sections being substantially triangular in formation, means formed along the edges of the sections for cooperating to restrict movement of the sections with respect to each other, means for pivotally connecting the sections, and resilient means for normally urging the sections into close engagement with each other.

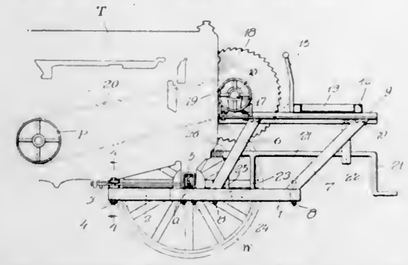
1,464,877. DISPENSING DEVICE. JOHN C. KIRK, San Francisco, Calif. Filed Jan. 4, 1921. Serial No. 435,042. 6 Claims. (Cl. 221—66.)

1. A dispensing device comprising a hopper having a downwardly convergent discharge mouth, a nozzle coaxial with said mouth, means for rotatively connecting said nozzle to the mouth and for breaking clods of material to be dispensed from the container, and a shutter in the



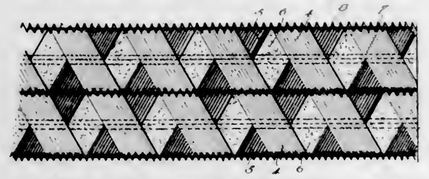
nozzle for controlling the discharge of material, the shutter having a shaft forming means by which the nozzle and its connecting means may be rotated to break clods.

1,464,878. TRACTOR SAW ATTACHMENT. SIDNEY C. LAWSON, Deer Lodge, Mont. Filed May 8, 1922. Serial No. 559,359. 1 Claim. (Cl. 143—43.)



The combination with a tractor having truss rods and a front axle, of a portable power operated saw support and table comprising a substantially rectangular main frame suspended from the axle of the tractor, a substantially V-shaped extension formed with said main frame and extending rearwardly of the forward end of the tractor, means for detachably connecting the apex of said V-shaped extension to said truss rods, diagonally disposed supporting-arms secured to the opposite sides of the forward portion of said main frame and extending in front of the tractor, a secondary frame comprising a pair of angle bars secured to the upper ends of said diagonally disposed supporting arms, said angle bars forming track ways, a rotary saw supported by said angle bars and arranged at the rearward portion of said secondary frame, and a carriage adapted to travel upon the tracks formed by said angle bars whereby the same moves upon said secondary frame towards and from said rotary saw.

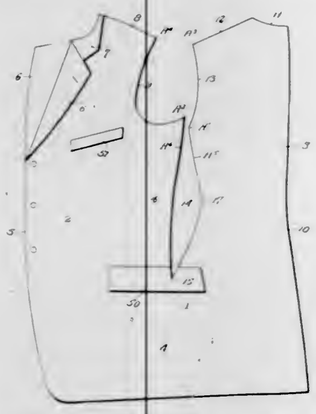
1,464,879. RUG AND PROCESS FOR MAKING SAME. ROBERT SPURGEON MATHIS, Corinth, Miss. Filed Mar. 23, 1923. Serial No. 627,243. 6 Claims. (Cl. 28—1.)



1. A step in the process of manufacturing rugs which comprises forming a flat core, wrapping two strands of

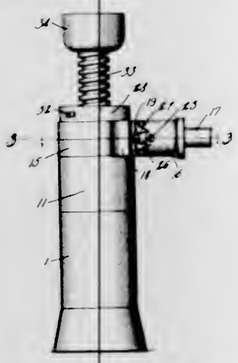
material around the core and crossing said strands diagonally upon opposite faces of the core thereby exposing portions of the core alternating between the crossed strands and securing the crossed strands to the core by stitching.

1,464,880. COAT AND METHOD OF MAKING THE SAME. WILLIAM R. MESTICE, New York, N. Y. Filed Oct. 13, 1922. Serial No. 594,413. 3 Claims. (Cl. 2—61.)



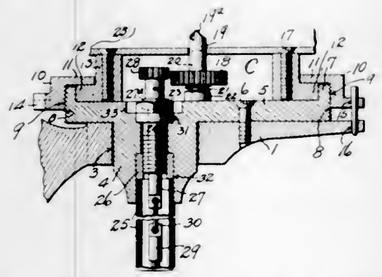
1. A coat blank having an arm opening and a front and a rear panel separated by a cut out portion extending downward from said arm opening and terminating in a V shaped apex in alignment with the axis of said portion, the front edge of said cut out portion being approximately straight and the rear edge of said cut out portion being concave.

1,464,881. JACK. JOHN WALTON MOORE, Roanoke, W. Va. Filed Apr. 8, 1922. Serial No. 550,592. 3 Claims. (Cl. 254—98.)



1. In a devide of the class described, a base provided with a bore and having a reduced neck defining a shoulder; a sleeve mounted on the neck and cooperating with the shoulder, the sleeve having an inwardly extended flange; a nut supported for rotation on the neck and provided with an outwardly extended flange engaged beneath the flange of the sleeve, the nut having a ratchet; a collar surrounding the ratchet and supported for rotation on the sleeve; means for rotating the collar; a pawl carried by the collar and cooperating with the ratchet; a ring on the upper end of the nut and constituting means for holding the collar in place for rotation, the ring being provided with openings and having an internal groove disposed between the openings, the nut having an external groove cooperating with the internal groove of the ring; a fastening element engaged in the openings and in the grooves; and a screw threaded into the nut and extended downwardly into the bore of the base.

1,464,882. MOUNTING FOR TAXIMETERS. BRIAN CHARLES PALMER, New York, N. Y., assignor to American Taximeter Company, New York, N. Y., a Corporation of New York. Filed Apr. 6, 1921. Serial No. 459,028. 15 Claims. (Cl. 235—30.)

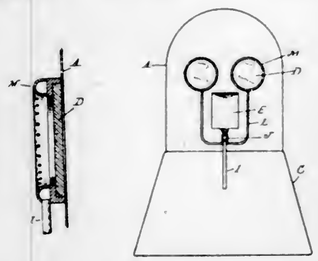


1. A mounting for taximeters including in combination, a base, a meter supporting element, clamping means for adjustably connecting the meter supporting element to the base, and means for locking said clamping means to prevent unauthorized release thereof.

7. A mounting for taximeters including in combination with a bracket having an opening, a base plate supported on the bracket, a cable receiving boss carried by the base plate and adapted to fit in said opening, and adjustable cable supporting means carried by the boss.

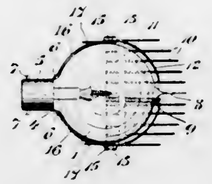
12. A mounting for taximeters including a base having a centrally located upstanding post, a clutch pinion adapted to be carried by said post, an eccentrically mounted driving pinion, a reversing idler pinion for transmitting motion from the driving pinion to the clutch pnion, said clutch pinion, driving pinion and reversing idler pinion operating in the same plane and means for shiftably mounting said reversing idler pinion with respect to the clutch and driving pinions.

1,464,883. PAINTER'S MASK. GORDON PHILLIPS and PATRICK HANLON, Detroit, Mich., assignors of one-third to Earl H. Figley, Detroit, Mich. Filed Feb. 8, 1919. Serial No. 275,706. 3 Claims. (Cl. 128—141.)



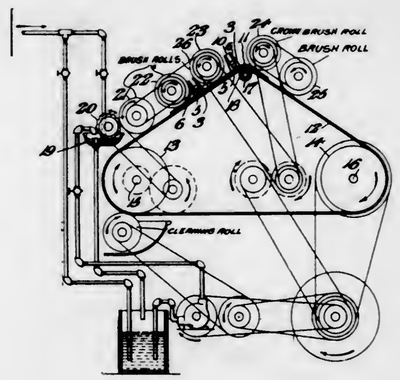
1. The combination with a mask having a transparent panel or eye-piece, of means surrounding the space in front of the eye-piece for directing currents of air across and in front of the same, and an air conduit connecting into said mask and current directing means.

1,464,884. DEVICE OR APPARATUS FOR AVOIDING THE GLARE OR DAZZLE EMANATING FROM LAMPS. ALFRED REEVES, Birmingham, England, assignor of one-half to George Herbert Cuming Butler, Birmingham, England. Filed Dec. 8, 1921. Serial No. 520,954. 3 Claims. (Cl. 240—48.6.)



1. A device or apparatus for avoiding the glare or dazzle emanating from lamps, such as the electric lamps of automobiles, comprising rear and fore sections arranged to substantially enclose the electric bulb, the fore section being furnished with a series of light-emitting openings, and resilient means connecting said sections to enable the device to be slipped over the filament lamp.

1,464,885. SKIN STOP FOR LEATHER-FINISHING MACHINES. FRANK F. SLOCOMB, St. Georges Hundred, Del. Filed Aug. 16, 1921. Serial No. 492,765. 6 Claims. (Cl. 91—41.)

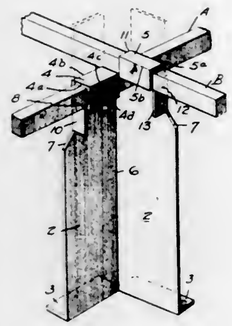


1. In a machine of the character stated, a skin stop, comprising a rod having collars near its outer portions adapted to contact with a skin conveyor and provided with end trunnions and end bearings for said trunnion adapted to permit movement of the latter.

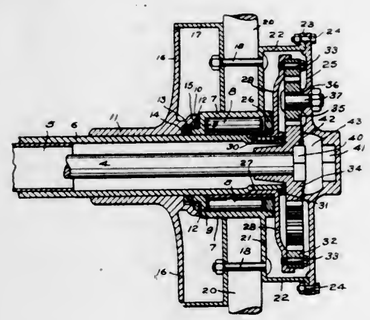
5. In a machine of the character stated, a skin stop, comprising a rod having collars near its outer portions adapted to contact with a skin conveyor, in combination with vertically open bearings receiving the ends of said rod and permitting upward movement thereof.

1,464,886. MEANS FOR HOLDING REENFORCING FABRICATION OF CONCRETE FLOORS AND SLABS. CHRISTOPHER HENRY SNYDER, Berkeley, Calif. Filed Oct. 5, 1920. Serial No. 414,908. 7 Claims. (Cl. 72—122.)

1. A chair for supporting re-enforcing rods, comprising a standard having angularly folded, longitudinal flanges and being slotted inwardly from one end along the hip of the fold, the bottom of the slot forming transverse seats, at right angles to each other, for rods; the separated ends of the flanges constituting wrapping means to be folded around an applied rod.



1,464,887. VEHICLE DRIVING GEAR. CHARLES E. STARR, Bellingham, Wash., assignor to Perfecto Gear Differential Co., Oakland, Calif., a Corporation of Washington. Filed June 28, 1921. Serial No. 481,162. 7 Claims. (Cl. 74—7.)

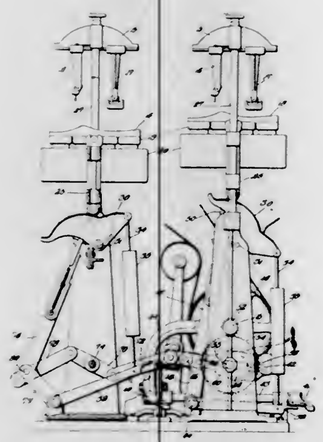


1. A vehicle driving gear comprising a fixed housing, a wheel journaled on said housing, a ring gear fixed on said housing on the outer side of said wheel, a housing fixed on said wheel and enclosing said ring gear, an intermediate gear journaled on said ring gear housing and in mesh with said ring gear, a driving shaft in said fixed housing, a driving gear on said shaft in mesh with said intermediate gear, and means for optionally connecting said shaft for rotation with said driving gear or with said ring gear housing.

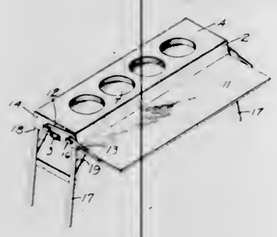
1,464,888. SOLE-PRESSING MACHINE. GEORGE F. STEWART, Swampscott, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J., a Corporation of New Jersey. Filed Apr. 13, 1920. Serial No. 373,594. 19 Claims. (Cl. 12—33.)

1. A sole pressing machine comprising two shoe supporting jacks and cooperating pressing pads, a manually

operated cam and connected mechanism for initially moving each pad into engagement with the sole of a shoe supported upon the jack, a toggle connected with each sole laying pad, a single power operated eccentric and connections between the eccentric and the two toggles to simultaneously straighten one toggle and break the second toggle to move one pad into pressing position and the second pad out of pressing position.



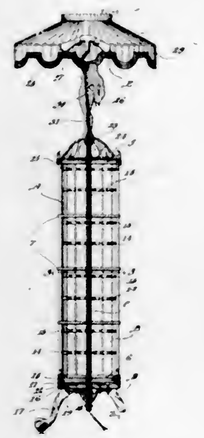
1,464,889. EXTENSIBLE TABLE AND HOT-FOOD TRAY. CHARLES STIRN, San Francisco, Calif. Filed June 9, 1921. Serial No. 476,368. 6 Claims. (Cl. 45—17.)



1. A portable food server having a chamber and a heating means, a removable tray forming, when applied, a cover for the chamber and for carrying applied articles, and a table leaf shiftable from a superimposed position above the loaded tray to a position alongside the tray.

1,464,890. MUSIC CABINET. MACK M. SWAIN, Los Angeles, Calif. Filed Dec. 16, 1919. Serial No. 345,278. 6 Claims. (Cl. 211—16.)

1. A cabinet comprising in combination, a base, a standard carried thereby, a cap carried by said standard adjacent the upper portion of said standard, and a cylindrical casing rotatable about the axis of said standard, extending between said base and cap and having bearing on said base.



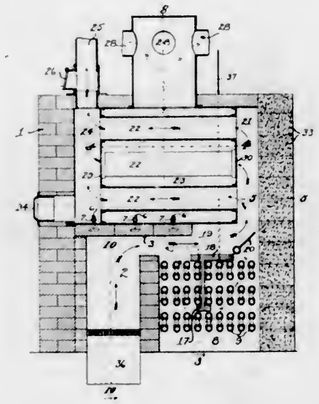
1,464,891. FASTENING DEVICE FOR CUFFS. ALBIN LEE THORNTON, El Paso, Tex. Filed Nov. 18, 1922. Serial No. 601,733. 5 Claims. (Cl. 24—102.)



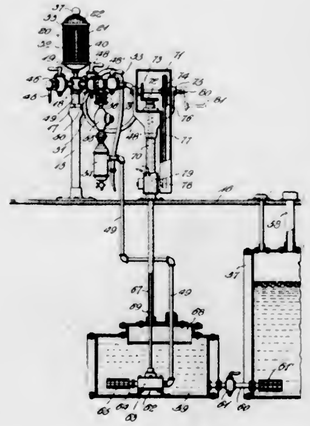
1. A fastening device for cuffs comprising a pair of substantially U-shaped members, the outer legs of the U-shaped members being connected, and the inner legs thereof being oppositely deflected, and heads carried by the outer ends of the deflected legs.

1,464,892. HOUSEHOLD FURNACE. RALPH S. TWOGOOD, Berkeley, Calif. Filed Sept. 11, 1922. Serial No. 587,400. 4 Claims. (Cl. 126—101.)

1. A furnace comprising a shell; a fuel-burning member in the shell; a deflector wall for the products of combustion overlying said fuel burning member; an air-heating member within the shell overlying said deflector wall and exposed to the heat of the products of combustion passing around the end of the deflector wall, in their course to their exit from the shell; a water-heating member at one side of the fuel burning member and exposed to the heat from the products of combustion passing under the deflector wall; and a damper disposed to selectively include and exclude said water-heating member from the course of the products of combustion.

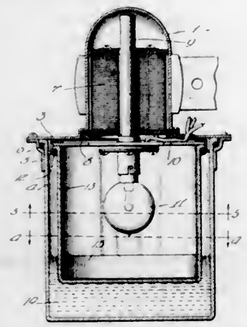


1,464,893. DISPENSING APPARATUS. EDWIN A. VONDE VELD, El Paso, Tex. Filed Dec. 16, 1918. Serial No. 266,867. 1 Claim. (Cl. 221—99.)



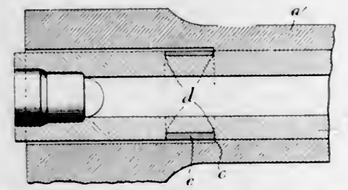
In a dispensing apparatus, a storage tank, an inspection tank, a coupling arranged adjacent said inspection tank, said coupling being open at the top and communicating with said inspection tank and being closed at the bottom, a supporting standard arranged beneath said coupling and secured thereto, a feed pipe connecting said coupling and said storage tank, a valved discharge pipe communicating with said coupling, a filling pipe connected to said feed pipe between said storage tank and said coupling, and a check valve arranged in said feed pipe between said coupling and said filling pipe.

1,464,894. SIGNALING DEVICE. JOHN W. WEBB, Chicago, Ill. Filed Apr. 6, 1922. Serial No. 550,095. 10 Claims. (Cl. 177—324.)



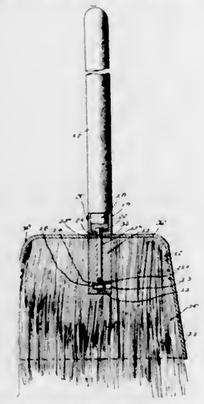
1. An illuminated signaling device comprising a clear glass outer cup, a clear glass inner cup, a body of colored liquid between the lower portions of said cups, means for shifting one cup toward the other at will to force liquid between the sides of the cups, and a lamp arranged within said inner cup.

1,464,895. GUN, PISTOL, AND THE LIKE. CARL ERHARD WEISS, Nuremberg, Germany. Filed Sept. 17, 1921. Serial No. 501,416. 2 Claims. (Cl. 42—77.)



1. The combination with a gun, of large caliber, of a barrel of small caliber adapted to be inserted into the large caliber barrel, an annular eccentric groove in said small caliber barrel and an eccentric split ring in said groove.

1,464,896. DETACHABLE HANDLE FOR BROOMS. WALTER HARVEY ZACHRY, Atlanta, Ga. Filed May 5, 1922. Serial No. 558,636. 3 Claims. (Cl. 15—145.)



1. In a detachable handle for brooms, a block secured in the head of the broom, said block being provided with a

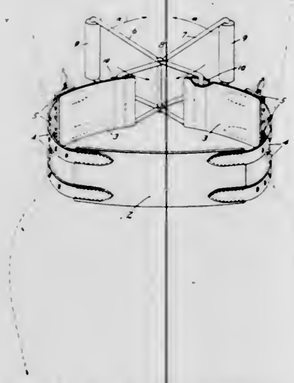
bore extending lengthwise thereof, with a slot extending transversely of the block and in communication with the bore and with a recess at the inner end of the slot, a nut arranged in the slot of the block with the threaded opening thereof in alinement with the bore, a ferrule connected with the handle and a bolt carried by the ferrule and adapted to be inserted in the bore of the block and engaged with the nut.

1,464,897. EMBROIDERY NEEDLE. TRUMAN L. ATKINSON, Ludington, Mich., assignor to Ludington Novelty Manufacturing Company, Ludington, Mich., a Corporation of Michigan. Filed Jan. 9, 1922. Serial No. 528,033. 4 Claims. (Cl. 112—80.)



1. An embroidery needle, comprising a cylindrical handle slotted lengthwise on its under side for its entire length and slotted for part of its length on its upper side, a ferrule attached around the handle at one end and closing the lower slot at said end, a needle member slidably inserted in the other end of the handle having an inner end of cylindrical form longitudinally slotted on its under side to come into conjunction with the lower slot in the handle, and means extending through the upper slot in the handle and through the inner end portion of the needle member for adjustably connecting the handle and needle member together, said handle at each side of the upper slot being provided with an indicating scale, substantially as and for the purposes described.

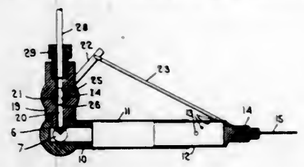
1,464,898. LIVER-TREATING DEVICE. JAMES BEARD, Pasadena, Calif. Filed Jan. 26, 1920. Serial No. 354,060. 3 Claims. (Cl. 128—32.)



1. A device of the character described comprising an adjustable belt adapted to encircle the body and having separated ends, and means secured to said separated ends for alternately expanding and contracting the diametral dimension of said belt, said means consisting of levers crossed and pivotally mounted on each other.

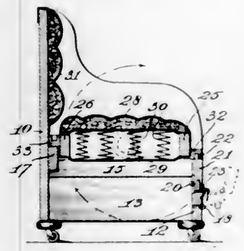
1,464,899. VAPORIZER FOR INTERNAL-COMBUSTION ENGINES. REMI J. BERARD, Woonsocket, R. I. Filed Sept. 10, 1920. Serial No. 409,327. 4 Claims. (Cl. 123—25.)

2. A vaporizer for internal combustion engines comprising a conduit having means of attachment to the intake of an internal combustion engine, an air intake leading to said conduit, a telescoping tubular valve in the intake of said conduit having a longitudinally arranged series of lateral ports adapted to be opened successively by the movement of said valve, means for adjusting said valve, a water supplying duct leading to said conduit, a water



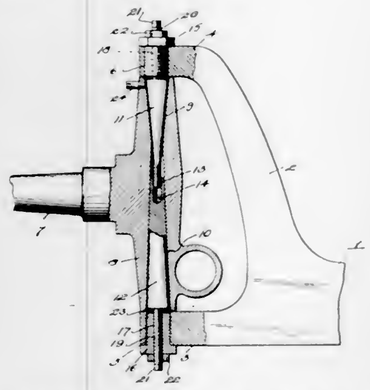
controlling valve in said duct and means connecting said water controlling valve and said air controlling valve operable simultaneously to actuate both valves whereby the vapor supplied to the engine intake will be correlated to the demand of the engine.

1,464,900. DAVENPORT. EDWARD R. BRAINERD, Los Angeles, Calif. Filed Dec. 29, 1921. Serial No. 525,621. 6 Claims. (Cl. 5—24.)



1. In a davenport, a frame including end supports and a pair of panels hinged to each other to form a knee joint, and a reversible seat frame supported on the end supports to be engaged by the panels when the latter are in extended position for supporting the frame independently of the end supports.

1,464,901. AXLE STEERING KNUCKLE. THOMAS W. CONNER, Sabina, Ohio. Filed Sept. 18, 1922. Serial No. 588,796. 2 Claims. (Cl. 280—96.1.)



1. In combination with the fork of an axle, of a steering knuckle disposed between the arms of the fork, bushings carried by the arms of the fork, said knuckle having oppositely tapered aligned bores formed therein, tapered

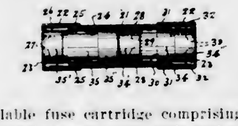
spindles having their major ends adjustably connected with the bushings and their minor ends adjustably connected to each other, as and for the purpose set forth.

1,464,902. FUSE CARTRIDGE. FREDERICK A. FELDKAMP, Newark, N. J. Filed July 22, 1920. Serial No. 398,203. 6 Claims. (Cl. 200—124.)



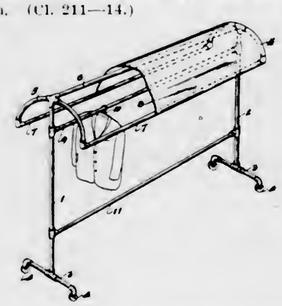
1. A fuse device, comprising a container having external terminal caps, a switching device, and a fuse normally in series with said switching device to connect said caps but which moves into parallel connection with said switching device when "blowing" to disconnect said caps.

1,464,903. ELECTRIC FUSE. FREDERICK A. FELDKAMP, Newark, N. J. Filed Aug. 26, 1921. Serial No. 495,648. 4 Claims. (Cl. 200—128.)



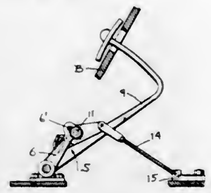
4. A refillable fuse cartridge comprising a tubular external shell having open outer ends and external contact members and adapted to hold a series of refill cartridge fuses in alinement, and means upon said tube for maintaining one only, of said cartridge fuses in electrical contact with said external contact members.

1,464,904. CLOTHESRACK. MORRIS FELDMAN, Los Angeles, Calif. Filed Aug. 17, 1920. Serial No. 404,194. 1 Claim. (Cl. 211—14.)



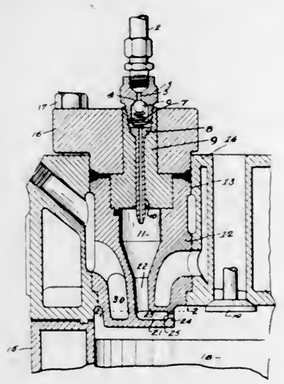
A rack including spaced standards, arcuate rafters secured to the upper ends of said standards and extending outwardly and downwardly from both sides thereof, a longitudinal member connecting the upper ends of said standards, an arcuate roof supported upon said member and rafters, and a garment supporting rail supported by said standards and disposed below said longitudinal member.

1,464,905. CLUTCH PEDAL. EMIL S. GRAFENSTATT, Los Angeles, Calif. Filed May 25, 1922. Serial No. 563,647. 4 Claims. (Cl. 74—81.)



1. A motor clutch lever structure comprising, in combination, a rock shaft for engaging and disengaging clutch members, a pedal loosely mounted on said rock shaft, a clutch lever secured on the rock shaft and a cam lever mounted on the clutch lever and having one arm attached to the pedal and one arm attached to a fixed support, whereby, when the pedal is pressed, a differential movement is imparted to the clutch lever by means of the cam lever.

1,464,906. DIESEL ENGINE. PAUL HENTSCHKE, Los Angeles, Calif. Filed Jan. 20, 1920. Serial No. 352,782. 2 Claims. (Cl. 123—33.)

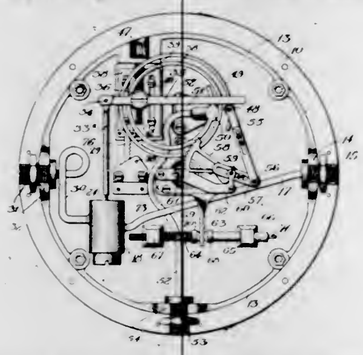


1. In an internal combustion engine of the "Diesel" type; an expansion chamber with its piston; and a chamber in communication with the expansion chamber and adapted to receive and retain successive charges of fuel, the said charges being successively expelled from the receiving chamber in an atomized condition when the vapors or gases arising from the charges in the receiving chamber are ignited by the combined temperatures of compression and absorptions in the operation of the engine; said receiving chamber comprising an elongated passage having a fuel inlet at its upper end and tapering downwardly in size to a second elongated passage leading to a basin-like bottom to retain a charge momentarily and having spraying apertures through which the charge is ejected when the degree of temperature in the receiving chamber ignites the combustible vapors or gas arising from the successive charges of fuel.

1,464,907. COMBINED PRESSURE-INDICATING AND VALVE-OPERATING MECHANISM. GEORGE B. IRELAND, Rochester, N. Y., assignor to Taylor Instrument Companies, Rochester, N. Y., a Corporation of New York. Filed Oct. 7, 1920. Serial No. 415,299. 9 Claims. (Cl. 137—153.)

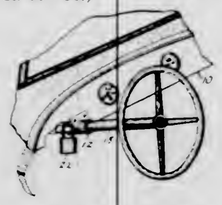
1. A combined indicating and regulating mechanism comprising a fluid pressure line, a valve controlling said

line, a pressure actuated element, a dial and pointer for indicating the degree of actuation of said element, and



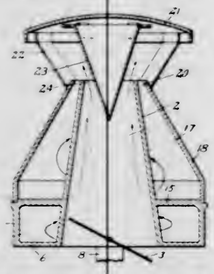
connections between said element and valve including an adjustably mounted lever for operating said valve.

1,464,908. STEERING-POST LOCK. CHARLES F. KETTERING, Dayton, Ohio, assignor to General Motors Research Corporation, Dayton, Ohio, a Corporation of Delaware. Filed June 17, 1921. Serial No. 478,426. 1 Claim. (Cl. 70—90.)



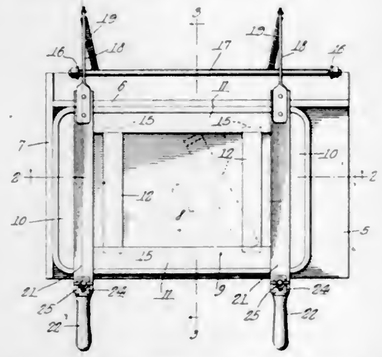
In combination, a bracket having a sleeve adapted to form a bearing or guide for a steering post and provided in its wall with an opening; a steering post adapted to be supported in said sleeve and provided with a slot registrable with the opening in said sleeve and extending beyond the latter; whereby the bow of an ordinary padlock may be inserted through said opening and, extending into the slot, secure said post from turning.

1,464,909. GAS BURNER. WINFIELD M. KIMBERLIN, Los Angeles, Calif. Filed June 29, 1922. Serial No. 571,655. 3 Claims. (Cl. 158—110.)



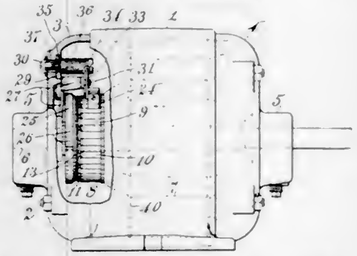
2. A gaseous fuel burner comprising a central air tube, a bonnet surrounding said tube and forming an upper mixing chamber, said tube and said bonnet forming a narrow circular fuel outlet, and an initial mixing chamber arranged about the lower end of the tube and providing for the circuitous movement of fuel mixture before it is discharged into the upper mixing chamber.

1,464,910. METAL-TABLE-TOP STRETCHER. OAK LANDAW, Nappanee, Ind. Filed Feb. 25, 1922. Serial No. 539,316. 9 Claims. (Cl. 153—1.)



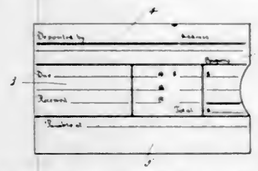
1. The method of manufacturing sheet metal table tops, consisting of assembling the top with a rectangular frame whose side rails are capable of sliding movement away from each other, applying pressure to the end members of the frame to remove the bow from the table top, then sliding the side rails away from each other to the limit of their movement and finally placing braces between the side rails to prevent the latter from moving toward each other.

1,464,911. ELECTRIC MOTOR. GEORGE H. LELAND, Dayton, Ohio. Filed Mar. 10, 1920. Serial No. 364,746. 8 Claims. (Cl. 172—279.)



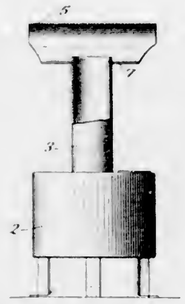
4. In an electric motor, a commutator, brushes bearing radially thereon, pivotal arms provided wth cam projections and supporting said brushes, a lever adapted to engage said cam projections to actuate said arms and elevate said brushes, and centrifugally actuated devices controlling said lever.

1,464,912. RECORD COUPON ENVELOPE. AUGUST E. LINDENSCHMIDT, Fort Thomas, Ky. Filed Oct. 2, 1922. Serial No. 591,734. 2 Claims. (Cl. 229—68.)



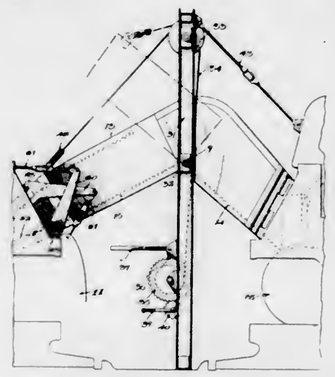
1. An enclosure for interest coupons and the like, comprising duplicate envelopes to be enclosed one within the other, and means for sealing the inner envelope with the address side of each envelope divided into lines and spaces for necessary information, adapted to register with each other, and spaces on the outer envelope for additional data, with the front portion of the outer envelope provided with a zone of carbonization, whereby only the necessary information will be transferred to the inner envelope.

1,464,913. HEAT DISTRIBUTOR FOR ORCHARD BURNERS. WILLIAM O. MCCLINTOCK, Walnut, Calif. Filed Dec. 29, 1922. Serial No. 609,718. 2 Claims. (Cl. 158—91.)



1. A heat distributor for orchard heaters having smoke stacks, said distributor consisting of a substantially tubular longitudinally split member having an opening at one side to receive the upper end of the said smoke stack.

1,464,914. APPARATUS FOR CLEARING INTERMEDIATE FEED CHUTES. JOSEPH MEINECKE, Paia Maui, Territory of Hawaii, assignor of one-half to W. A. Ramsay, Honolulu, Territory of Hawaii. Filed Mar. 23, 1922. Serial No. 546,196. 10 Claims. (Cl. 100—47.)



1. In combination with adjacent sugar cane mills, a sectional chute for conveying bagasse from one to the other, and means for tilting one section in respect to the other to cause the bagasse to gravitate toward the other section and clear the chute when shutting down the mills.

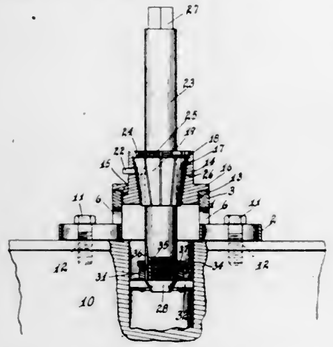
8. An intermediate chute comprising a pair of standards, a pivot running across, a chute portion fixed on the pivot between the standards, a second chute portion movably mounted on the pivot, means carried by the standards for rocking the movable portion on the pivot to bring it into line with the fixed chute portion, and brake, pawl and ratchet devices associated with said moving means for controlling the movement of said movable chute portion.

1,464,915. BELT BUCKLE. LAWRENCE F. OTTEN, Newport, Ky. Filed Mar. 4, 1922. Serial No. 540,970. 4 Claims. (Cl. 24—191.)



1. In a belt buckle, a plate having upturned ears, a pin secured to said ears, a curved gripping device mounted on said pin and adapted to secure the belt, a loop pivotally mounted on said pin and having arms adapted to engage the respective longitudinal edges of said gripping device between its pivotal connection and its free end to actuate the same for holding said gripping device in gripping or non-gripping position as the case may be, substantially as set forth.

1,464,916. CYLINDER-REBORING DEVICE. ANTONE PERRY, Oakland, Calif., assignor to Simplex Reboring Machine Company, Oakland, Calif., a Corporation of California. Filed Jan. 10, 1922. Serial No. 528,209. 2 Claims. (Cl. 77—2.)

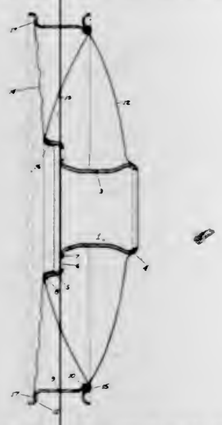


1. In a cylinder reboring device, a supporting member having a vertically arranged sleeve portion and an integral flange extending at right angles to the axis of said sleeve portion, said flange having radially arranged slots of different lengths and notches in its periphery for the reception of bolts adapted to secure said supporting member to a cylinder block, the longer slots being closed at both their inner and outer ends and extending inwardly toward the axis of said sleeve portion to points which lie within the periphery of said sleeve portion, said sleeve portion having vertically arranged slots communicating with said longer slots so that the above mentioned bolts may be located partially within the confines of said sleeve portion, the integral surface of the upper end of said sleeve portion being screw threaded to receive a support for an adjustable bearing and centering member, said bearing support having a flange which is adapted to seat upon the upper end of said sleeve portion, a cutter post extending through said bearing and centered thereby, and a cutter head located upon the lower end of said cutter post.

1,464,917. DISK WHEEL STRUCTURE. WALTER B. ALLISON, Buffalo, N. Y., assignor to Harvey Rim and Wheel Company, Inc., Buffalo, N. Y. Filed Sept. 29, 1920. Serial No. 413,474. 2 Claims. (Cl. 301—6.3.)

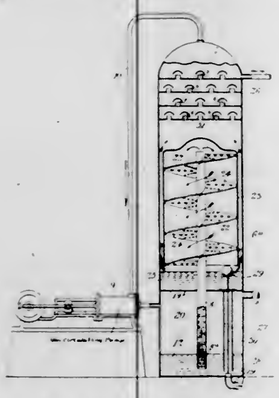
2. A disk wheel structure comprising with the standard rim and hub of the wire-spoke type wheel, an inner disk extending between the inner edges of the rim and hub, said disk being welded to the vertical rim-edge and

being bent into the hub around said inner edge, an intermediate disk engaging and being welded to the inner face and edge of the outer side of the rim and extending to and into the hub at the inner end thereof and being



welded thereto, the adjacent and overlapping portion of the inner disk being welded to the intermediate disk, and an outer disk extending from the outer end of the hub and being welded thereto, to the outer side of the rim, overlapping the intermediate disk thereat and being welded to said intermediate disk.

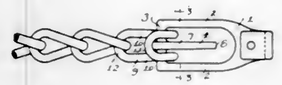
1,464,918. APPARATUS FOR TREATING HYDROCARBONS. BENJAMIN ANDREWS, Houston, Tex. Filed Sept. 13, 1919. Serial No. 323,566. 8 Claims. (Cl. 261—113.)



1. In apparatus of the kind described, a tower comprising a liquid elevating conduit having its lower end disposed in a body of liquid in said tower, means for forcing the vapor to be treated into said conduit, near its lower end, and a member in said tower on which the liquid elevated through said conduit falls and which causes the liquid to fall in a finely divided state and thereby be brought into intimate contact with the vapors in the tower.

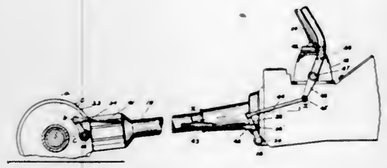
1,464,919. INTERLOCKING CHAIN LINKS. JULIUS G. BALCERWICZ, Grand Rapids, Mich., assignor of one-half to Karl H. Reynier, Grand Rapids, Mich. Filed Oct. 28, 1922. Serial No. 597,494. 2 Claims. (Cl. 24—242.)

1. In a device of the character described; a first link having spaced opposite sides, a bight portion connecting the sides, and a tongue carried by the bight portion and extending in planes spaced inwardly from the sides and having a middle portion bowed outwardly from the sides; and a second link having spaced opposite sides parallelly



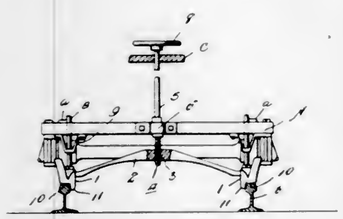
U-shaped, and bight portions connecting the sides, and being adapted to be inserted between the sides of the first link and passed around the point of its tongue and along the tongue to a position in which the bight portion of the first link engages both sides of the second link.

1,464,920. BRAKE-CONTROL MECHANISM. EDWARD H. BELDEN, Toledo, Ohio, assignor, by mesne assignments, to The Willys-Overland Company, Toledo, Ohio, a Corporation of Ohio. Filed Apr. 25, 1918. Serial No. 230,746. 6 Claims. (Cl. 188—18.)



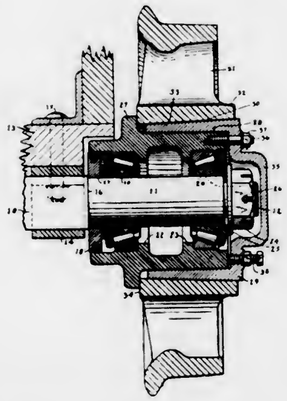
3. In a motor vehicle, the combination of a chassis, a rear axle, resilient means connecting said chassis and said axle whereby the path of movement of said axle relative to said chassis is inclined to the vertical, brake mechanism carried by said axle, brake operating mechanism carried by said chassis, and means connecting said brake mechanism and said brake operating mechanism extending substantially at right angles to said path of movement of the rear axle.

1,464,921. ICE SCRAPER FOR RAILS. HARRY A. BERKOWITZ, Wilkes-Barre, Pa. Filed Dec. 27, 1922. Serial No. 609,209. 2 Claims. (Cl. 37—36.)



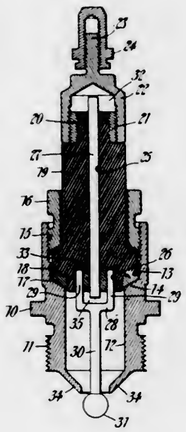
1. In an ice scraper for railway rails, the combination with the wheeled truck of a railway car, a pair of rail scraping shoes arranged in transverse alinement in front of wheels of said truck, a transverse cross arm, means loosely attaching said shoes to the ends of said cross arm for permitting limited movement of the shoes toward and away from each other, vertical guide rods having their lower ends fixed to the rear ends of said shoes, guides carried by the car truck and in which said guide rods are freely slidable and rotatable, and means to raise said cross arm.

1,464,922. VEHICLE. LYMAN W. CLOSE, Toledo, Ohio, assignor to The Bock Bearing Company, Toledo, Ohio, a Corporation of Ohio. Filed Nov. 27, 1922. Serial No. 603,450. 4 Claims. (Cl. 295—44.)



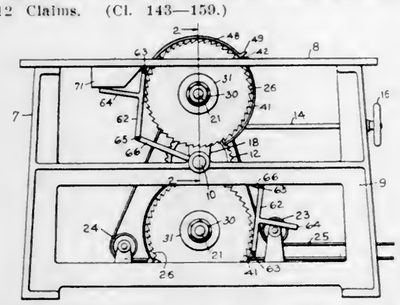
1. In demountable wheel constructions for cars, the combination of a journal, a sleeve rotatably mounted thereon and having a substantially cylindrical outer surface, a sleeve mounted on the first-mentioned sleeve and having a conical outer surface tapering inwardly, a wheel having a conical bore, seated on said conical surface and held against axial movement thereby in one direction and means for securing said sleeves together positively.

1,464,923. SPARK PLUG. GEORGE T. DOCHTERMANN, Passaic, N. J. Filed Jan. 23, 1922. Serial No. 531,123. 4 Claims. (Cl. 123—169.)



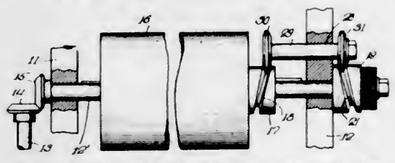
1. A spark plug including in combination a tubular insulator having a seat in its lower end, a conductor comprising an elongated body having about midway its length oppositely branching members each having an arm lying substantially in parallelism with said body, said arms being adapted for mounting in the insulator seat.

1,464,924. SAW GUARD. WILLIAM D. DRUMMOND, New York, N. Y. Filed June 20, 1922. Serial No. 569,707. 12 Claims. (Cl. 143—159.)



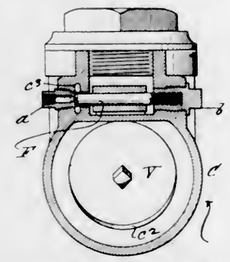
1. A saw and its arbor, and a guard for the saw mounted on said arbor and comprising two independently movable members frictionally held in normal position and both mounted on the same arbor.

1,464,925. INK-DISTRIBUTING-DRUM-VIBRATING MEANS. EDWARD F. DUDLEY, Oak Park, Ill., assignor to Miehle Printing Press and Manufacturing Company, Chicago, Ill., a Corporation of Illinois. Filed Mar. 3, 1921. Serial No. 449,512. 5 Claims. (Cl. 101—348.)



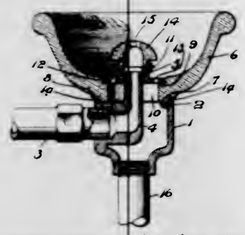
1. In a mechanism of the character described, the combination of a vibrator-drum, means to revolve said drum, means to reciprocate said drum longitudinally comprising two cooperating cam devices arranged in series, connecting means coacting with the cam surfaces of both cam devices, and means to adjust said cam devices angularly relatively to one another to vary the length of the stroke of the drum, substantially as described.

1,464,926. AUTOMATIC SPRINKLER ALARM VALVE. HARRY G. EASTWOOD, Brooklyn, N. Y. Filed Oct. 5, 1922. Serial No. 592,460. 3 Claims. (Cl. 169—23.)



1. In an automatic sprinkler alarm valve of the character designated, the combination of a longitudinally movable fulcrum shaft, a valve member rigidly connected therewith and suspended thereon, a bearing for one extremity of said fulcrum shaft formed with a discharge port normally closed by one end of said fulcrum shaft and adapted for operative connection with a fire alarm device, the other end of said fulcrum shaft being screw threaded, and an actuating bearing screw-threaded for engagement with said threaded end of the fulcrum shaft, for the purpose and substantially in the manner set forth.

1,464,927. BOWL CONNECTION FOR DRINKING FOUNTAINS AND THE LIKE. WILLIS E. FIELD, Grand Rapids, Mich. Filed May 3, 1920. Serial No. 378,416. 5 Claims. (Cl. 299—12.)



1. In a construction of the character described, a hollow fixture having an open upper side, a nipple cast integral with the fixture and extending upwardly through the open upper side thereof, a ledge on the inner side of the fixture adjacent the upper part thereof, a bowl having an opening in its bottom and its periphery seated on the ledge, a nut provided with an outwardly extending flange threaded on to the nipple and bearing against the bowl around the opening therein, said flange having a plurality of openings therethrough, a bubbler head attached to the nut, a pipe for supplying water to the nipple, and a pipe connected to the fixture and leading away therefrom, substantially as described.

1,464,928. BITUMINOUS EMULSION. CHARLES N. FORREST, Rahway, N. J., assignor to The Barber Asphalt Company, Philadelphia, Pa., a Corporation of West Virginia. Filed Apr. 7, 1920. Serial No. 371,884. 6 Claims. (Cl. 134—1.)

6. Fluent bituminous material, serviceable for road cement or binder, comprising a bituminous base together with an acid mineral oil derivative of sulphuric acid as an emulsifying agent, freely miscible with water, but in road use rendered immiscible by drying out of such water.

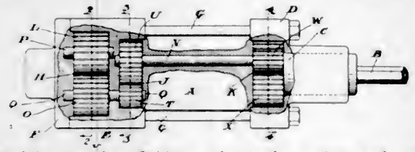
1,464,929. METHOD OF ROLLING PLATE AND LIKE METAL AND BLANK THEREFOR. BERTHOLD GOLDSMITH, Lisbon, Ohio, assignor to The National Brass & Copper Company, Lisbon, Ohio, a Corporation of Ohio. Filed May 31, 1921. Serial No. 473,749. 6 Claims. (Cl. 29—18.)



1. The method of producing plate, sheet, strip or coil metal with a minimum scrap loss, consisting in forming a blank having convex or bulged side edges, heating said blank, and reducing it by rolling, whereby the distortion produced in rolling causes the non-rectilinear blank to approach a substantially rectilinear shape.

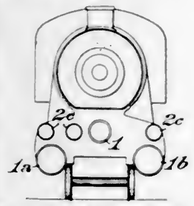
1,464,930. ROTATION FOR ROCK DRILLS. HENRI AUGUSTUS GILBEY, Easton, Pa., assignor to Ingersoll-Rand Company, Jersey City, N. J., a Corporation of New Jersey. Filed May 26, 1921. Serial No. 472,823. 3 Claims. (Cl. 121—7.)

1. In a fluid actuated rock drill of the hammer type, the combination of a percussive element, and an automatic independent drill steel rotating element comprising a main fluid actuated rotary gear motor, a rotating chuck into which the drill steel is adapted to extend, a train of pairs of rotary driving gears constantly rotating in series relation between the main motor and the rotating chuck, supply and exhaust ports for each pair of associated driving gears, any pair of associated driving gears being thereby capable of constituting an auxiliary motor for assisting rotation by the application of fluid pressure between the gears of said pair, means for



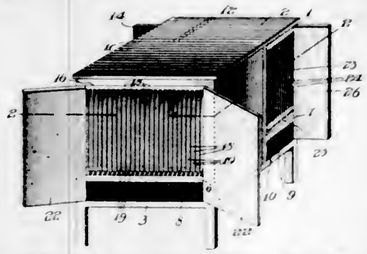
supplying motive fluid to the main motor and controlled means for supplying motive fluid to an auxiliary motor in addition to the main motor.

1,464,931. LOCOMOTIVE. ROBERT F. HALL, Schenectady, N. Y. Filed Jan. 13, 1923. Serial No. 612,406. 4 Claims. (Cl. 105—37.)



1. In a single expansion locomotive, the combination of a cranked driving axle; a central cylinder; and two outside cylinders, the pistons of all of which cylinders being coupled to said driving axle, and the capacity of the central cylinder being less than that of either of the outside cylinders.

1,464,932. CONVERTIBLE CABINET FOR DISK RECORDS AND THE LIKE. ERLE H. HAND, Stapleton, N. Y. Filed Mar. 23, 1922. Serial No. 545,969. 4 Claim. (Cl. 211—16.)

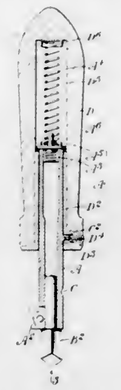


In a cabinet, a rear, upper, vertical partition, and a rear lower aligning vertical partition, lower aligning horizontal front and rear partitions, whereby an upper front chamber is formed between the cabinet sides and said partitions and a lower shallow bottom chamber of co-extensive width and depth is formed, and a rear partition extending at a right angle to said partition, a cabinet back, whereby the rear chamber and a vertical corner compartment are formed, the lower rear chamber being formed between said partitions and the cabinet back and bottom, said upper chambers being adapted for either music rolls or ejector skeletons and said lower and rear chambers for music rolls.

1,464,933. SOLDERING TOOL. GEORGE HARPER, Huntly, Aberdeen, Scotland. Filed Apr. 10, 1922. Serial No. 551,093. 3 Claims. (Cl. 113—105.)

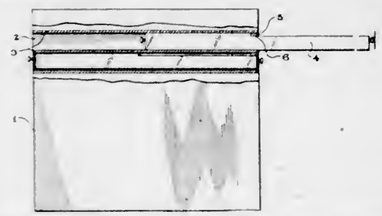
1. A soldering tool comprising in combination with a hollow actuating handle, a tubular shank adapted to slide in the handle back and forth and provided on its exterior with a helical groove, means in said handle tending to move the said shank outwards, a clamp of

the outer end of said shank for receiving and holding the bit, a plug closing the inner end of the said tubular shank and acting as a stop to limit the outward move-



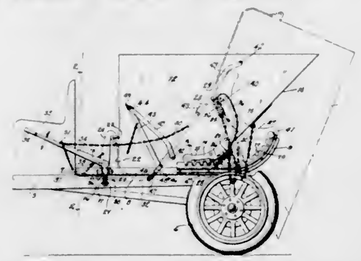
ment of said shank, and a key carried by said handle so as to engage the helical groove in said shank for the purpose described.

1,464,934. SCALE-TICKET FILING CABINET. GLENN C. HOADLEY, Olathe, Colo. Filed Oct. 20, 1922. Serial No. 595,715. 1 Claim. (Cl. 45—7.)



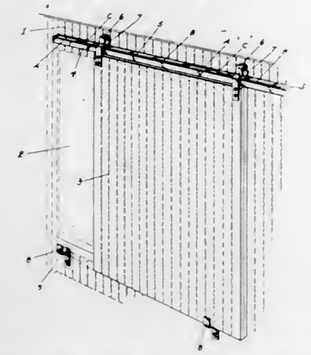
A filing cabinet formed to provide drawer compartments and having the front and rear ends of said compartments open, drawers in said compartments adapted to be withdrawn from the respective compartments from either the front or rear of the cabinet, each drawer at the rear of the cabinet having its upper edges cut away to provide abrupt shoulders centrally of the drawer and strips fastened to the upper sides of said drawer compartments respectively, to engage said shoulders to prevent the withdrawal of each drawer from the rear of the cabinet.

1,464,935. DUMPING VEHICLE. THEODORE C. HOLLNAGEL, Milwaukee, Wis. Filed Mar. 7, 1921. Serial No. 450,350. 7 Claims. (Cl. 298—10.)



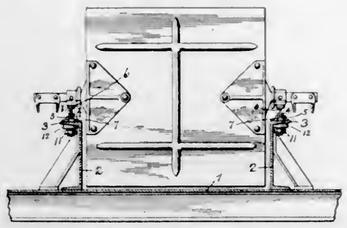
1. In a device of the character described, a supporting frame, a tiltable load receiving body mounted on the frame and movable by gravity to a dumping position, and track means whereby said body is bodily elevated as it is moved toward dumping position.

1,464,936. BOX-CAR DOOR. MILTON H. HUBNER, Stockton, Calif., assignor of one-half to George W. Hubner, Stockton, Calif. Filed July 1, 1922. Serial No. 572,287. 2 Claims. (Cl. 20—23.)



1. A door supporting structure for freight cars comprising a horizontal beam adapted to be mounted on a car above the door opening and to extend th rebeyond at one end, and track means on the beam from end to end and separated centrally of the length of the beam to form two independent tracks: the corr sponding end of each track lying adjacent the inner face of the beam and in common alinement with each other while the major lengths of the tracks lie in common alinement adjacent the outer face of the beam, the inner and outer portions of each track being connected by a portion extending at an angle to the faces of the beam; said tracks being adapted to support rollers mounted on the door.

1,464,937. RAIL FASTENER. LEONARD F. HURST and JAMES F. MILLER, Detroit, Mich. Filed Apr. 27, 1923. Serial No. 634,954. 4 Claims. (Cl. 238—318.)

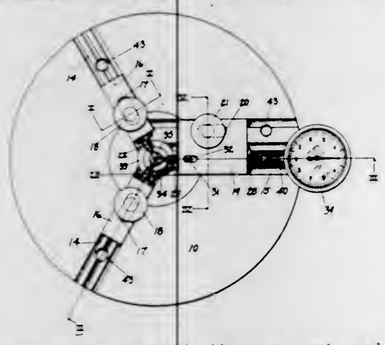


1. A fastener comprising a bolt extending into a hole formed in the base and web of a rail or other beam, a pin attached to the bolt and extending across the upper end thereof and engaging the upper sides of the flanges of the bar, and a nut on the lower end of the bolt.

1,464,938. GAUGING MACHINE. BENJAMIN H. JORDAN, Elmira, N. Y., assignor to The Willys-Morrow Company, Elmira, N. Y., a Corporation of Ohio. Filed Nov. 1, 1920. Serial No. 421,113. 7 Claims. (Cl. 33—147.)

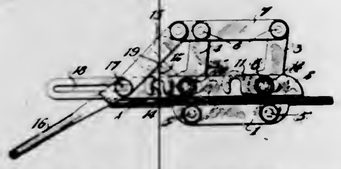
1. In a thread gauging machine, a base provided with a plurality of guideways radiating from a common center, a holder disposed at the point of intersection of said guideways and adapted to support a threaded member, a slide mounted in each of said guideways, a contact member

carried by each slide, said contact members being adapted to engage certain of the threads of said member, and



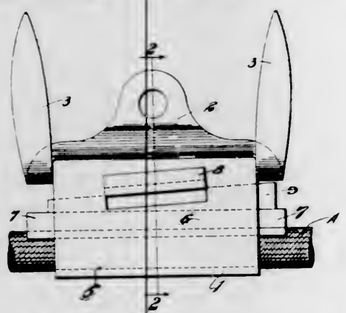
means associated with one of said contact members adapted to indicate whether or not the threads were produced according to a predetermined standard.

1,464,939. WIRE PULLER. JAMES R. KEARNEY, Kansas City, Mo. Filed Aug. 8, 1922. Serial No. 580,510. 8 Claims. (Cl. 24—134.)



1. In a wire puller, parallel gripping jaws, a lever on one side of said jaws permanently pivoted to each of said jaws, and a lever on the other side of said jaws permanently pivoted to one of said jaws and adapted to pivotally engage the other of said jaws or to be disengaged therefrom automatically when said jaws are closed or unclosed respectively.

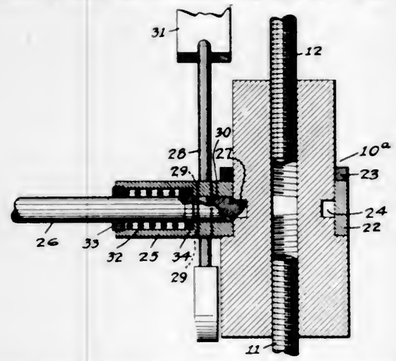
1,464,940. CABLE CLAMP. JAMES R. KEARNEY, Kansas City, Mo. Filed Aug. 18, 1922. Serial No. 582,802. 10 Claims. (Cl. 24—136.)



1. In a cable clamp, a body having upstanding wings provided with slots, an abutment member fitted in said slots, a wire engaging bearing, and a wedge element between said member and said bearing.

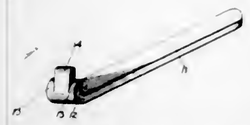
1,464,941. TIRE CARRIER. WILLIAM J. KEEGAN, Jr., Elmhurst, ACHESON H. CALLAGHAN, Brooklyn, and DEAN A. MOORE, New York, N. Y. Filed July 30, 1921. Serial No. 488,737. 1 Claim. (Cl. 224—29.)

An automobile tire carrier comprising an internal frame carrying shoes to engage the tire rim, an expanding and contracting screw device in said frame, said device having a rotatable member provided with ratchet notches, a ratchet case and lever socket pivoted on said rotatable member, a lever handle terminating in a pawl nose, said



handle being movable longitudinally in the socket and also being capable of being turned about its longitudinal axis, and an anti-theft locking device for locking the handle in the socket so as to render the ratchet inoperative.

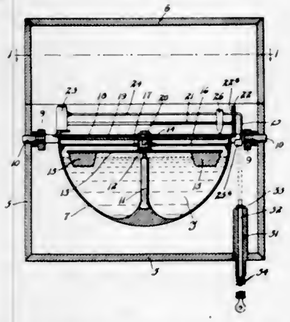
1,464,942. CRIMPING TOOL. FRED B. KING, Toledo, Ohio, assignor, by mesne assignments, to The Willys-Overland Company, Toledo, Ohio, a Corporation of Ohio. Filed June 21, 1919. Serial No. 305,893. 5 Claims. (Cl. 81—15.)



1. In a crimping tool, a handle, an angular extension offset laterally from the handle, said angular extension being substantially straight throughout its length and provided with a pair of rounded shoulders located at opposite sides thereof, and a reduced portion located between said shoulders and extending outwardly therefrom

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1,464,943. TRIP-RECORDING COMPASS FOR AEROPLANES. JOHN L. KLEMME, Albert Lea, Minn. Filed June 14, 1920. Serial No. 388,791. 8 Claims. (Cl. 234—26.)



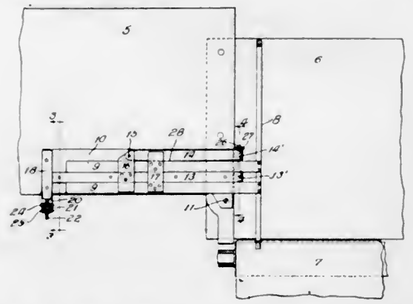
1. A trip recording compass comprising a pendulum supported for universal self-arighting movements, a horizontal table rotatably mounted on said pendulum, a magnetic needle connected to said table and maintaining a predetermined position thereof, in respect to north and

south, a stylus movable over said table, a time-actuated feed device for said stylus, and means for throwing said stylus temporarily out of action when landing of the aeroplane has been made.

1,464,944. INK. HERMAN KRUSE, Jersey City, and WILLIAM C. KRUSE, Union, N. J. Filed Oct. 23, 1919. Serial No. 332,805. 5 Claims. (Cl. 134—36.)

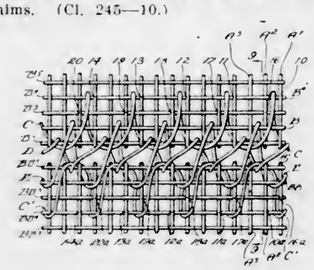
3. In an ink such as specified in claim 3, about seventy parts of the Turkey red oil, and about six part of ground carbon to about thirty parts in all of the consistency element.

1,464,945. RULING-MACHINE GUIDE. EMIL LARSON, Chicago, Ill. Filed Apr. 3, 1922. Serial No. 548,946. 15 Claims. (Cl. 271—59.)



1. In a ruling machine, the combination of a stock table, a sheet guide, means on the stock table for supporting said guide, and means on the stock table for adjusting the support to adjust the guide angularly, about a pivotal center fixed with respect to the stock table.

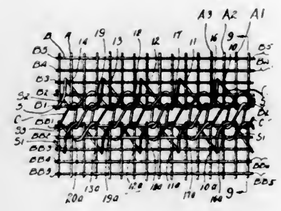
1,464,946. SEAM FOR WOVEN-WIRE BELTS. HAMILTON LINDSAY, Cleveland, Ohio, assignor to The Lindsay Wire Weaving Company, Cleveland, Ohio, a Corporation of Ohio. Filed Sept. 15, 1922. Serial No. 588,327. 40 Claims. (Cl. 245—10.)



1. A seam for an endless belt wherein the weave comprises warp wires and lay wires, the warp wires having long knuckles on one side of the belt and short knuckles on the other side thereof, having a closing wire extending from one end across the seam opening to the other end and over lay wires, the lay wire on one of the ends having a portion of a short warp knuckle adjacent the closing wire.

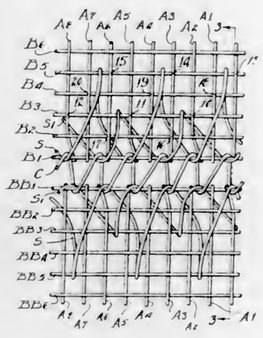
1,464,947. SEAM FOR WOVEN-WIRE BELTS. HAMILTON LINDSAY, Cleveland, Ohio, assignor to The Lindsay Wire Weaving Company, Cleveland, Ohio, a Corporation of Ohio. Filed Dec. 18, 1922. Serial No. 607,557. 12 Claims. (Cl. 245—10.)

1. A seam for an endless belt wherein the weave comprises warp wires and lay wires, the warp wires having long knuckles on one side of the belt and short knuckles on the other side thereof, having two stitching wires passing through one end of the belt, at least one of the wires



passing through the belt adjacent a short warp knuckle and forming loops adjacent the end of the belt, and a closing wire connecting said loops.

1,464,948. SEAM FOR WOVEN-WIRE BELTS. HAMILTON LINDSAY, Cleveland, Ohio, assignor to The Lindsay Wire Weaving Company, Cleveland, Ohio, a Corporation of Ohio. Filed Feb. 12, 1923. Serial No. 618,751. 12 Claims. (Cl. 245—10.)



1. A seam for an endless belt wherein the weave comprises warp wires and lay wires, the warp wires having long knuckles on one side of the belt and short knuckles on the other side thereof, having two stitching wires passing through the ends of the belt to form inner and outer loops, at least one of said stitching wires passing through the belt adjacent a short warp knuckle, the inner loops for said stitching wires being separated by at least one lay wire, and a closing wire connecting said outer loops.

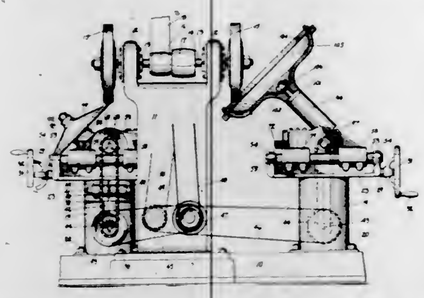
1,464,949. COMPOSITION FOR USE IN MANUFACTURING ARTIFICIAL FIBERS, FILMS, LEATHER, AND THE LIKE AND PROCESS OF MAKING THE SAME. RAIMUND J. LÖFFLER, Dresden, Germany, assignor to William L. Voigt, New York, N. Y. Filed Mar. 31, 1921. Serial No. 457,535. 7 Claims. (Cl. 106—40.)

1. A composition for use as an ingredient in manufacturing artificial fibers, films, leather and the like, comprising the combination of a lignosulfoacid with a protein substance.

1,464,950. GRINDING MACHINE. HANS LUTZ, Elmira, N. Y., assignor to The Willys-Morrow Company, Elmira, N. Y., a Corporation of Ohio. Filed Oct. 6, 1920. Serial No. 415,127. 20 Claims. (Cl. 51—95.)

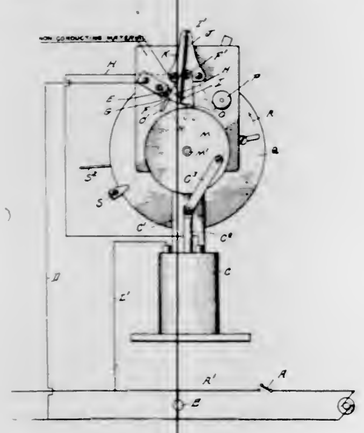
1. In a grinding machine, a base, a grinding wheel rotatably mounted upon the base, a slide reciprocally mounted

upon said base, a shaft rotatably mounted upon the slide, a gear driven by said shaft, a cam driven from said gear and



adapted to reciprocate the slide upon the base and a work holder carried by the slide and driven from said gear to rotate the work in contact with said grinding wheel.

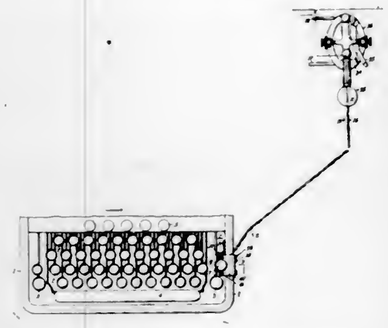
1,464,951. ELECTRICALLY-INFLUENCED TIMING DEVICE. HERVEY H. MCINTIRE, South Bend, Ind. Filed Nov. 22, 1920. Serial No. 425,930. 8 Claims. (Cl. 95—73.)



1. The combination with a photographer's exposure light circuit having a fluctuating voltage, of means for controlling said circuit whereby successive circuit closing operations will fluctuate in time according to the fluctuation of the voltage of the circuit, and signalling means for indicating the successive circuit breaking operations.

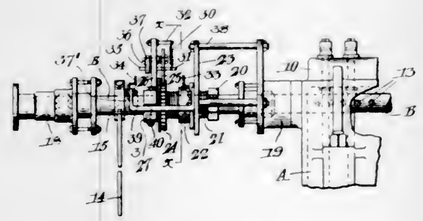
1,464,952. TYPEWRITER ATTACHMENT FOR TELEGRAPH SYSTEMS. DONALD MCNICOL, New York, N. Y., assignor to Remington Typewriter Company, Ilion, N. Y., a Corporation of New York. Filed Aug. 23, 1919. Serial No. 319,512. 2 Claims. (Cl. 178—101.)

1. An auxiliary telegraph key attachment comprising an insulating block, a clamping means for securing said block to the side bar of a typewriter frame, a hand operated transmitting key slidable in said block and provided with a contact device near its lower end, a contact plate on the under side of said block and perforated for the passage therethrough of the lower end of said key, a wire connected to the lower protruding end of said key and extending to a switch contact secured to said block, a switch lever pivoted to said block and adapted for movement to and from said last mentioned contact, said switch lever at its lower end being also adapted for contact with said plate at the under side of said block, a second wire con-



nected to said switch contact, and a third wire connected to said switch lever, said second and third wires being adapted for connection with a telegraphic line circuit.

1,464,953. SLUICING MECHANISM FOR FILTER PRESSES. SAMPSON JOHN MISENER, Woodside, Nova Scotia, Canada. Filed June 20, 1921. Serial No. 479,046. 3 Claims. (Cl. 210—193.)

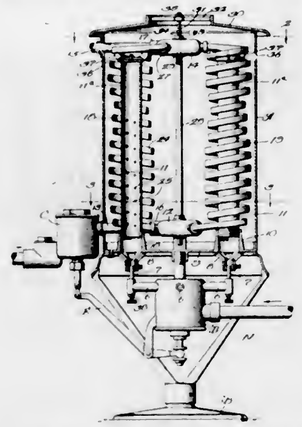


1. In a mechanism of the character described and in combination, a wash water pipe, means for oscillating the same, a screw loosely mounted on the wash water pipe, means for causing the wash water pipe to move axially with the screw, a fixed nut engaging the screw, a pawl wheel connected to the screw, a pawl cooperating with the pawl wheel and a pawl arm supporting the pawl and connected to the wash water pipe.

1,464,954. WATER HEATER. CHARLES A. OLSON, Geneva, Ill., assignor, by mesne assignments, to Geneva Heater Company, Geneva, Ill., a Corporation of Illinois. Filed June 25, 1919. Serial No. 306,685. 1 Claim. (Cl. 122—250.)

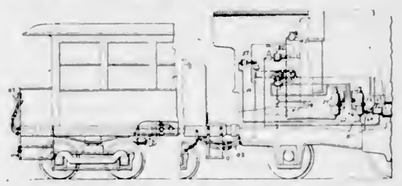
In a water heater, the combination of a tubular inlet header of annular shape, having its ends disposed in proximity to each other, one of said ends being closed, a supply pipe connected to the open end, a tubular outlet header of annular shape with its end disposed in proximity to each other, one of said ends being closed, an outlet pipe connected with the open end of the outlet header, a plurality of helical vertically flattened heating coils, each being of reduced diameter intermediate its ends, said coils being connected with the respective headers in multiple and in inverse order with respect to the closed ends of said headers so that the paths of flow through the various coils

from said supply to said delivery pipe are of substantially equal length, and a tubular burner disposed within each coil, each burner having gas orifices below the restricted



portion of the surrounding coil directly opposed to the flattened face of the surrounding coil and being imperforate above said restricted portion of the coil to provide a baffle zone above the flames issuing from said orifices.

1,464,955. AUTOMATIC TRAIN CONTROL. CHARLES B. PARKER, Nashville, Tenn. Filed Dec. 7, 1922. Serial No. 605,410. 7 Claims. (Cl. 303—86.)

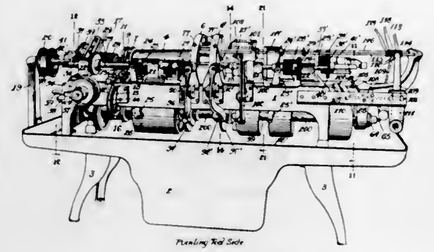


7. In combination with a signal line and a train line of an air brake system, an engineer's testing mechanism, a conductor's union connected to said signal line and train line at the rear end of said lines, means for forming a communication between the signal line and train line intermediate the engineer's testing mechanism and the conductor's union coupling, means for permitting the engineer to apply the emergency brakes in case a stoppage takes place in the train line, means carried by the conductor's union for indicating a stoppage in the train line, means for signaling the engineer through the conductor's union, and means for automatically applying the brakes through the conductor's union in case of a stoppage in the train pipe line.

1,464,956. DUPLEX STUD-FORMING MACHINE. OSCAR A. SMITH, East Cleveland, and GEORGE J. LEBER, Cleveland, Ohio, assignors to The National Acme Company, Cleveland, Ohio, a Corporation of Ohio. Filed Feb. 1, 1921. Serial No. 441,545. 109 Claims. (Cl. 10—4.)

1. In a metal working machine, the combination of a rotatable blank carrying turret, means for indexing it, a pair of end working tools, one at each side of the turret, means for reciprocating said tools toward and from the turret, means at each side of the turret for gripping a blank during the operation of said tools, and means for feeding a blank endwise to one or both gripping means.

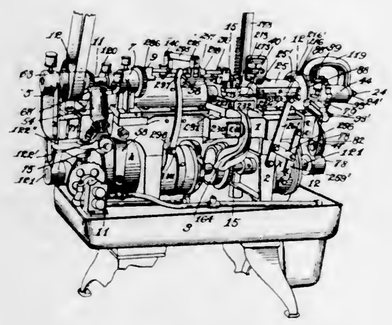
8. In a metal working machine, the combination of a pair of blank carriers, means for intermittently indexing them, means for feeding blanks to one of said carriers, means for feeding the blanks from one carrier to the other, a plurality of end working tools cooperating with each carrier and between which the carriers are located, and means for shifting said tools to and from the carriers.



60. In a metal working machine, the combination of a pair of duplicate blank carriers, gripping means carried thereby, means for locking the carriers, means for feeding a blank to one carrier, means for feeding a blank from said carrier to the other carrier, a cam shaft, means carried thereby for intermittently indexing the carriers, operating the gripping means, actuating the locking means, and operating said feeding means, said last feeding means also being effective to eject a completed blank from said last carrier, means for rotating said cam shaft, and means for working upon the blanks carried by said carriers.

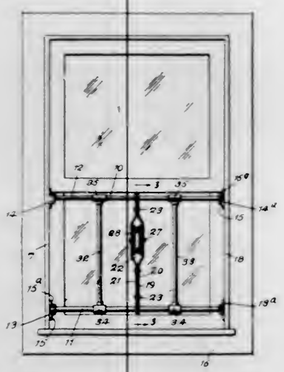
80. In a metal working machine, the combination of a bed, a tubular bearing secured thereto, a tubular shaft located in said bearing, a pair of duplicate blank carriers secured to one end of said shaft, means for indexing said blank carriers and having a part thereof secured to the opposite end of said shaft, means for locking said carriers and also having a part thereof secured adjacent to the opposite end of said shaft, a main driving shaft extending into said tubular shaft, a plurality of pairs of opposed tool spindles cooperating with said blank carriers, means carried by said main driving shaft for rotating said spindles, and means for reciprocating said tool spindles toward and from the blank carriers.

1,464,957. POINTING AND SHAVING MACHINE FOR BOLTS, ETC. OSCAR A. SMITH, Cleveland, Ohio, assignor to The National Acme Company, Cleveland, Ohio, a Corporation of Ohio. Filed Aug. 10, 1921. Serial No. 491,064. 87 Claims. (Cl. 10—2.)



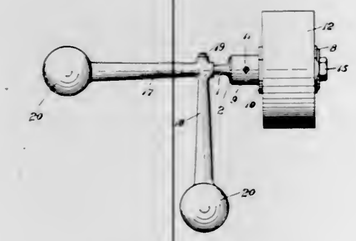
1. In a metal working machine, the combination of means for holding a headed blank, means for pointing one end of the blank, and means for facing under and also finishing the top of the head of the blank without the rehandling thereof, both of said means operating at the same end of said holding means.

1,464,958. CLOTHESLINE SUPPORT AND PROTECTOR. CHARLES A. TILLY and PHILIP J. MCGUIRE, Brooklyn, N. Y. Filed Feb. 24, 1922. Serial No. 538,909. 2 Claims. (Cl. 68—3.)



1. A clothes line support and protector, comprising two supporting bars adapted to be held in spaced superposed relation across a window, a rotatable pulley adjustably movable on the bars, and two guard bars each adjustably movable on the supporting bars toward and from the pulley.

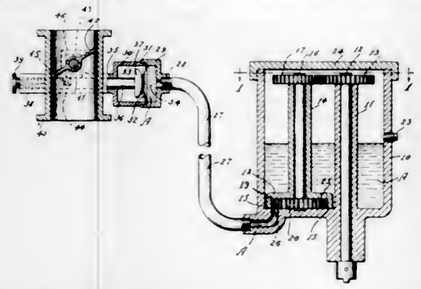
1,464,959. GRINDING-WHEEL-TRUING DEVICE. VICTOR M. TUTHILL, Grand Rapids, Mich., assignor to Baldwin, Tuthill & Bolton, Grand Rapids, Mich., a Corporation of Michigan. Filed Apr. 12, 1919. Serial No. 289,729. 3 Claims. (Cl. 125—37.)



1. In combination, a handle member comprising two arms located at substantially right angles to each other and having connection to each other, a spindle projecting from the handle member in alinement with one of the arms, and a wheel rotatably mounted on the spindle close to the handle member.

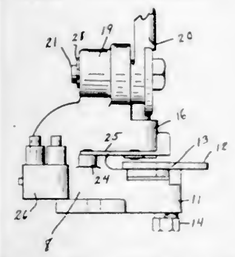
1,464,960. HYDRAULIC GOVERNOR FOR HYDROCARBON ENGINES. WILLIAM W. WAKELEE, Stratford, and ALFRED C. GRISCOM, Sandy Hook, Conn. Filed June 30, 1921. Serial No. 481,697. 1 Claim. (Cl. 264—14.)

A governor comprising a casing adapted to receive a supply of liquid, a bearing integral with the base of said casing and extending upwardly therefrom beyond the level of said supply of liquid, a rotatable shaft in said bearing, a gear upon said shaft and within said casing, a bearing mounted upon the base of the casing and providing a pocket, a shaft in said last mentioned bearing, a gear upon the upper end of said last mentioned shaft and meshing with said first mentioned gear, a rotary pump within said pocket and actuated from said shafts and gears, there being communication between said pocket and supply of liquid, a fluid chamber having therein a diaphragm adapted to be actuated from



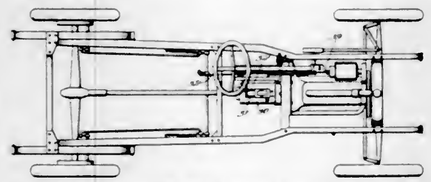
said pump, a pipe connection between said fluid chamber and pump, a valve, and means actuated by said diaphragm for controlling said valve.

1,464,961. PUNCHING MACHINE. CHRISTIAN W. WINTHER, Fresno, Calif. Filed Apr. 4, 1922. Serial No. 549,410. 3 Claims. (Cl. 164—96.)



1. A punching machine comprising a frame adapted to be mounted upon a stationary structure; a horizontally extending, revoluble, die plate mounted in said frame and being provided with a plurality of apertures therein; a vertically extending punch mounted in said frame adapted for engagement with any one of said die plate apertures; a recess in the upper end of said punch; a horizontally disposed operating member mounted in said frame above said punch and being provided with an eccentric rim adapted for engagement with the recess in said punch; a handle for rotating said operating member; a stripper pivotally mounted at one end on said frame and being adapted to be brought into engagement with the lower end of said punch to strip the same.

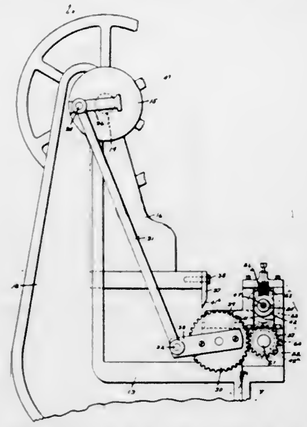
1,464,962. AUTOMATIC CONTROL MECHANISM. GARRETT W. WOODWARD, Chicago, Ill., assignor, by mesne assignments, to Woodward Automatic Control Corporation, Chicago, Ill., a Corporation of Illinois. Filed Jan. 20, 1920. Serial No. 352,648. 6 Claims. (Cl. 74—58.)



1. In a gear shifting mechanism, a control box, a block reciprocable longitudinally thereof, a transmission having selective sliding gears, members on said control box

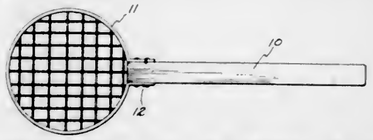
for selectively moving said sliding gears, means movable longitudinally of said block and adapted to be selectively moved therewith for selectively moving said members to cause one of said gear trains to be thrown into operation.

1,464,963. POWER PRESS. ALFRED T. BALCH, Brockton, and CLARENCE A. WRIGHT, Whitman, Mass., assignors to Linda M. Jackson, Brockton, Mass. Filed Sept. 15, 1922. Serial No. 588,365. 5 Claims. (Cl. 164—49.)



1. The combination with a power press which includes a power-driven shaft and a ram reciprocated by the rotation of said shaft; of feeding mechanism including a lower feed-roll having a shaft journaled in fixed bearings, an upper roll having a shaft journaled in movable bearings, said shafts being geared together, springs acting on said movable bearings to yieldingly depress the upper roll, and driving connections between the press shaft and the shaft of the lower roll, and organized to rotate the rolls alternately forward and backward.

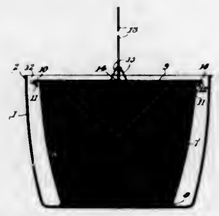
1,464,964. ASH SIFTER. LEON APTOWICZ, Brooklyn, N. Y. Filed Dec. 30, 1922. Serial No. 609,783. 1 Claim. (Cl. 83—60.)



A sifter comprising a circular ring formed of a transversely U shaped member, said ring having a pair of laterally extending spaced elements, a handle fixed between said elements, said ring having a plurality of elongated slots in its inner element, a bowl formed of a plurality of interwoven wire, the ends of the wires being received between the inner and outer elements of the ring to project into the mentioned slots, and rivets passing through both members of said ring adjacent each wire whereby the wires are held against shifting, and are partially supported by said rivets.

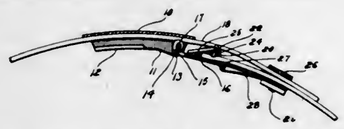
1,464,965. COOKING UTENSIL. JOSEPH BARABAS, Rome, N. Y. Filed Jan. 6, 1923. Serial No. 611,135. 4 Claims. (Cl. 53—1.)

1. The combination with an outer vessel consisting of a body portion and a cover for the open end thereof, of an inner vessel, a handle hingedly secured thereto, and springs secured to the handle above its pivot point



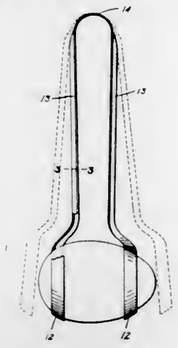
and diverging downwardly and secured to the inner vessel below said pivot point for vertically positioning the handle when the cover is removed.

1,464,966. BELT BUCKLE. DANIEL S. BEARS, Providence, R. I., assignor to the Firm Reliance Manufacturing Co., Providence, R. I., comprising David A. Hart and Dexter E. Partelow. Filed May 22, 1922. Serial No. 562,582. 1 Claim. (Cl. 24—191.)



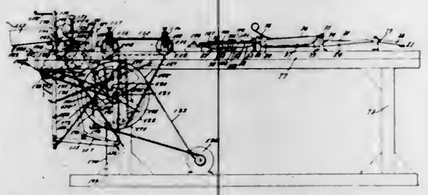
A belt buckle comprising a front plate having rearwardly extending edge flanges, a clamp plate pivotally mounted at one end in said flanges, said pivoted end being rolled inwardly to provide a cam-shaped clamp for binding the free end of the belt against the inner face of said front plate, a binding clamp pivotally mounted on the outer face of said clamp-plate for clamping the fixed end of the belt, said free end of the clamp plate being provided with a slot, a belt end-receiving loop, and a member in said slot connecting said loop to said plate.

1,464,967. EGG LIFTER. VICTOR BEAUREGARD, Boston, Mass., assignor of one-half to Joshua Hughes, Somerville, Mass. Filed Aug. 12, 1922. Serial No. 581,405. 3 Claims. (Cl. 294—99.)



1. An article for the purpose described formed from a sheet metal blank having a relatively narrow, elongated body and expanded end portions, the body being bent to form resilient handle sections and said end portions being shaped to provide oppositely beveled seats on the adjacent faces adapted to completely encircle an egg near its ends, when the handle sections are compressed to draw the jaws into engagement therewith and to expose one end thereof.

1,464,968. MACHINE FOR MAKING PAPER TUBES. ROBERT L. BOWMAN, Knoxville, Tenn., and GEORGE R. PENN, Washington, D. C., assignors to said Robert L. Bowman. Filed Mar. 17, 1921. Serial No. 452,999. 15 Claims. (Cl. 93—82.)



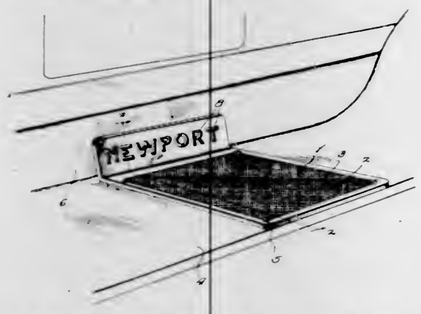
1. In a machine of the class described a stationary former, means for supporting for rotation a rolled paper web, means for drawing the web longitudinally along the former to shape the web into a flat tube, means for transversely creasing the flat tube at regular intervals in opposite side successively, a member for receiving the tube as creased, and means for reciprocating said member for engagement with the outer faces of the bends or creased portions successively, thereby to fold the creased tube into zigzag form to package or "bunch" the tube.

1,464,969. LICENSE-PLATE HOLDER AND ILLUMINATOR. CHARLES D. BREITZKE, Madison, Wis. Filed Mar. 24, 1922. Serial No. 546,245. 1 Claim. (Cl. 40—132.)



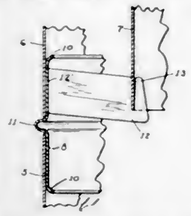
A license plate supporting an illuminating device comprising a casing formed of an arcuate central section tapering smaller towards its center, top and bottom arcuate sections connected thereto, the interior of said casing forming a reflector, inwardly extending and opposed longitudinal flanges formed on said top and bottom sections, additional inwardly bent and opposed end flanges formed on the ends of said central section, the latter flanges being disposed in a vertical plane in the rear of the plane of the first mentioned flanges, a license plate slidably supported between the aforesaid flanges, and means for securing said license plate to said end flanges, and illuminating means mounted in said casing.

1,464,970. RUNNING BOARD FOOTPLATE. JOHN F. BROWN, Phenix, R. I. Filed Aug. 23, 1922. Serial No. 583,812. 2 Claims. (Cl. 40—125.)



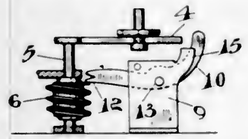
1. A foot plate for automobiles comprising a body provided with a flange to upstand beside the running board shield of the automobile upon the running board of which the foot plate is to be installed, the said flange having an identification character or the like formed therein and defined by an opening extending entirely through said flange whereby the distinctive color of the finish of the running board shield will be visible through said opening in contrast with the color of the metal of which the foot plate is formed.

1,464,971. FURNACE-CASING RING. CHARLES M. BULLER, Milwaukee, Wis., assignor to L. J. Mueller Furnace Company, Milwaukee, Wis., a Corporation of Wisconsin. Filed Dec. 12, 1921. Serial No. 521,729. 6 Claims. (Cl. 126—114.)



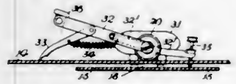
1. A heater casing ring, consisting of a member in the form of a ring adapted to extend into an outer heating casing and having portions of the ring extending inwardly in a vertical plane to form inner casing supporting arms.

1,464,972. GAS METER. JOHN W. DANAHER, Toronto, Ontario, Canada, assignor to The Standard Meter Company Limited, Toronto, Canada. Filed June 29, 1922. Serial No. 571,820. 4 Claims. (Cl. 73—1.)



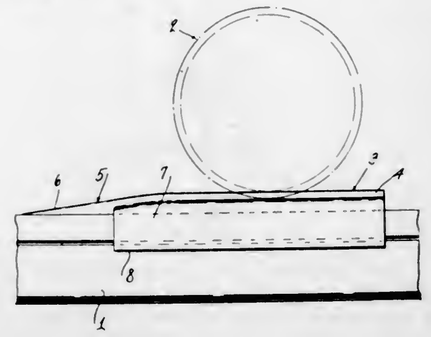
1. In a meter provided with a suitably actuated tangent arm and a spindle connected to and rotated by said tangent arm; the combination therewith of a lever suitably fulcrumed so that one end may be brought into or out of the path of the tangent arm; and a worm secured to the spindle adapted to engage and actuate the lever to bring the latter to or from a tangent arm engaging position according to the direction of rotation of the spindle.

1,464,973. DRAWING APPARATUS. ALGERNON WILLIAM DARGUE and FREDERICK LEWIN DARGUE, Halifax, England. Filed Jan. 29, 1923. Serial No. 615,681. 1 Claim. (Cl. 33—81.)



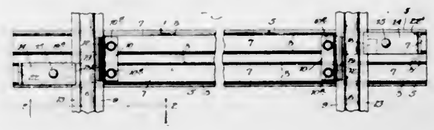
The combination, with a straight-edged member provided with serrations, and a plate slidably mounted on the said member, of a spacing device comprising a depressible spacing arm supported pivotally by the said plate, a pawl pivoted to the spacing arm and engaging with the said serrations, an extension arm secured to the spacing arm and projecting on the other side of its pivot from the pawl, a stop screw engaging with the free end portion of the extension arm and bearing on the said plate when the spacing arm and its pawl are raised with respect to the said member, and a spring secured between the said spacing arm and pawl and operating to raise them.

1,464,974. WEDGE. GEORGE W. DICKENS, Columbus, Ohio. Filed Dec. 12, 1921. Serial No. 521,869. 1 Claim. (Cl. 254—88.)



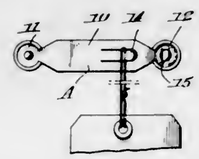
A wedge adapted to be used for elevating a wheel with relation to a rail, comprising a block which is rectangular in cross section and which is beveled at one end portion, said block having at one side corner an outstanding offset portion the upper edge of which is spaced from the upper face of the block, said offset portion being provided at its lower edge with an inwardly disposed flange adapted to engage under the head of the rail.

1,464,975. TRACK CONSTRUCTION. HERMAN H. DIEHL, Huntington, W. Va., assignor to The West Virginia Rail Company, Huntington, W. Va., a Corporation of West Virginia. Filed Mar. 22, 1923. Serial No. 626,839. 17 Claims. (Cl. 238—10.)



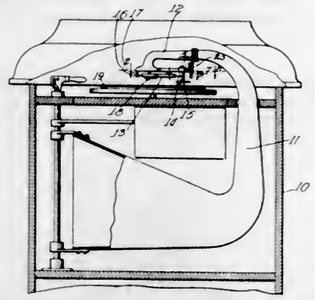
1. In track-construction, the combination of a tie presenting upwardly-extending, relatively abrupt, surfaces spaced apart, and a clip, having a rail-flange-engaging portion, pivoted between its ends on said tie and rotatable thereon about its pivot and presenting downwardly-extending, relatively abrupt surfaces spaced apart, the said surfaces on said tie and clip interlockingly engaging when said clip is in rail-flange-engaging position.

1,464,976. FASTENER. PAUL THOMAS CONCORD DUMAIS, Hull, Quebec, Canada. Filed Sept. 18, 1922. Serial No. 588,987. 5 Claims. (Cl. 292—322.)



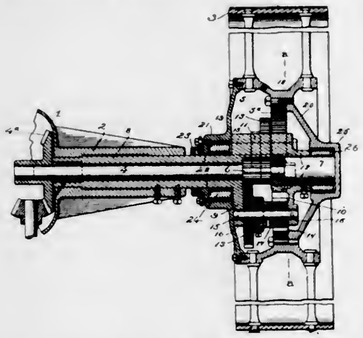
1. A device of the character described comprising a metal strip having the ends formed to provide locking members and provided intermediately of said locking ends with a cut out tongued member.

1,464,977. STOP FOR PHONOGRAPHS. WILLIAM R. DUNCAN, Chicago, Ill. Filed Nov. 21, 1921. Serial No. 516,723. 9 Claims. (Cl. 182—122.)



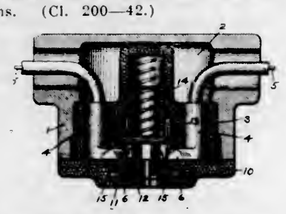
1. The combination with a phonograph for disc records having a floating weight, of means for stopping the machine and mechanical means actuated by the floating weight for causing the stopping means to act.

1,464,978. WHEEL-DRIVING MECHANISM. EMIL EINFELDT, Davenport, Iowa. Filed Aug. 3, 1921. Serial No. 489,414. 10 Claims. (Cl. 74—7.)



1. In combination with a wheel provided with a driving rack, a fixed supporting member on which the wheel is rotatably mounted, a rotary driving axle, an axle pinion rotatable therewith, a series of gears mounted on the supporting member and engaged with the axle pinion at different points in its length, and pinions rotatable with said gears and engaging the driving rack.

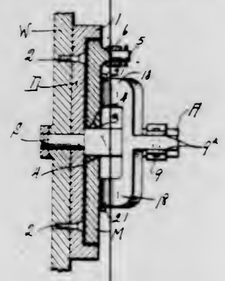
1,464,979. PLUG-IN SWITCH DEVICE. CLYDE C. FARMER, Edgewood, Pa., assignor to The Westinghouse Air Brake Company, Wilmerding, Pa., a Corporation of Pennsylvania. Filed Mar. 25, 1921. Serial No. 455,602. 2 Claims. (Cl. 200—42.)



1. The combination with a plug-in switch comprising a casing containing a pair of oppositely disposed contact members and having a key opening, of a key having op-

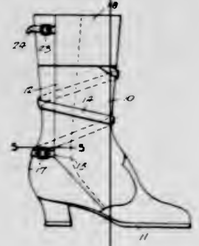
positely disposed contact lugs and adapted to be inserted in the key opening and partially rotated to permit the contact lugs to bridge the contact members, a spring, and a movable member subject to the pressure of said spring for pressing the lugs into engagement with the contact members.

1,464,980. VEHICLE BRAKE. ROBERT Z. FARMER, Roseburg, Oreg., assignor to Automatic Electric Brake Company, Roseburg, Oreg., a Corporation of Oregon. Filed June 7, 1920. Serial No. 387,099. 4 Claims. (Cl. 188—71.)



1. A braking mechanism including a rotating disk, an axially movable disk, said axially movable disk being non-rotative, and means for positively moving the axially movable disk by direct thrust in one direction and by pull in the opposite direction.

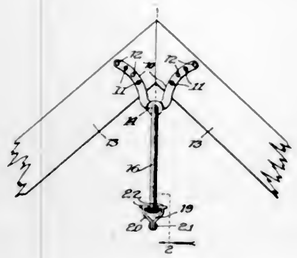
1,464,981. LADY'S BOOT. JOHN FENTON, Columbus, Ohio. Filed Apr. 8, 1922. Serial No. 550,774. 3 Claims. (Cl. 36—50.)



1. A shoe or boot having its upper provided with flaps at one side adapted to overlap rearwardly and having a buckle secured to its rear lower portion and provided at its front with an aperture spaced below its top edge, an encircling strap secured at its lower end to the lower portion of the rearwardly overlapping side flap opposite said buckle, said strap being adapted to pass through the buckle for spiral disposition around the upper and for introduction at its free end inwardly through the said aperture and having means adjustably engageable by the buckle to selectively tighten and hold the lower portions of the flaps, a buckle within the upper at its rear portion and connected to its inner surface for cooperation with the free end of the encircling strap within the top portion of the upper, and detachable means for connecting the upper portions of said flaps in adjustably overlapping relation independent of the encircling strap.

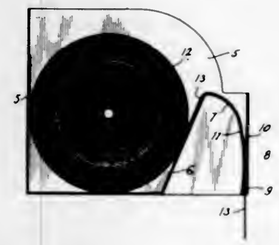
1,464,982. TRACK HANGER. HENRY L. FERRIS, Harvard, Ill., assignor to Hunt, Helm, Ferris & Company, Harvard, Ill., a Corporation of Illinois. Filed Feb. 8, 1923. Serial No. 617,804. 3 Claims. (Cl. 104—111.)

2. A track hanger adapted to suspend a track from the peak of a barn roof comprising a V-shaped bracket adapted to be secured to a building member, said bracket having a horizontal hole at the bottom of the V, a rod adapted to



be secured to a track and adjustable longitudinally thereof, said rod having an end extending at right angles to the body of the rod and adapted to pass through said hole.

1,464,983. PAPER HOLDER. CHARLES R. FLEISCHMANN, Chicago, Ill. Filed Mar. 28, 1922. Serial No. 547,572. 3 Claims. (Cl. 211—31.)



1. A paper holder consisting of a casing having an unbroken opening in its front wall and provided with a movable cover for its upper portion, the floor of said casing having an upwardly and forwardly inclined portion extended transversely between its side walls and spaced from its front wall and provided with a forwardly and downwardly disposed clamping extension to coact with said front wall to clamp a sheet of paper there-between, the said clamping extension having an unbroken opening co-inciding with said first named opening.

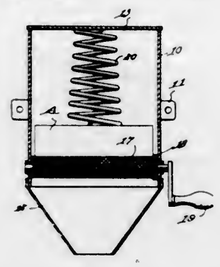
1,464,984. PROCESS FOR PRODUCING AMMONIUM NITRATE AND ALUMINUM HYDROXIDE. ANTONIUS FOSS, Christiania, and THOR MEJDELL, Skolen, near Christiania, Norway, assignors to Norsk Hydro-Elektrisk Kvaelstof-Aktieselskab, Christiania, Norway. Filed Feb. 27, 1922. Serial No. 539,741. 1 Claim. (Cl. 23—13.)

A process for producing ammonium nitrate and hydroxide of aluminum from solutions containing aluminum nitrate, which consists in precipitating from the nitrate solution a basic aluminum nitrate, treating the latter with ammonia and filtering the hydroxide of aluminum thus precipitated.

1,464,985. SOAP-DISPENSING DEVICE. JOHN LOUIS GAEBEL, Madisonville, Ky. Filed Dec. 8, 1922. Serial No. 605,688. 5 Claims. (Cl. 146—11.)

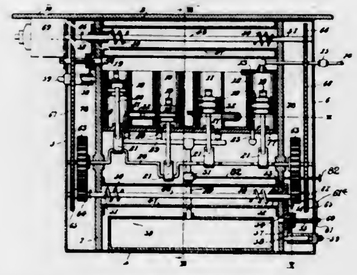
1. A dispensing device of the character described comprising a casing having a movable top and having its bottom formed with a discharge opening, an inner casing slidable within said main casing and having a discharge spout extending through said discharge opening, a pair

of grinding rollers journaled in the inner casing, said inner casing being designed to hold a cake of soap placed



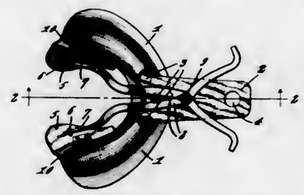
upon said rollers, and an operative connection between said inner casing and the rollers whereby to rotate the latter when said inner casing is slid upwardly.

1,464,986. STOVE ATTACHMENT. JOHN B. GAJ, Detroit, Mich. Filed Sept. 21, 1922. Serial No. 589,592. 5 Claims. (Cl. 126—4.)



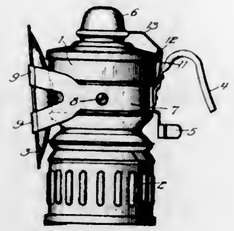
1. The combination with a range having a cooking top and an exhaust flue, of an attachment on the end of said range, said attachment comprising a pump adapted to pump air into the flue of the range to produce a draft therein, a reservoir communicating with said pump, pipes communicating with said reservoir, means controlling the communication between said pipes and said reservoir, means controlling the communication between said pump and the range flue, and means adapted to operate said pump, said pump being of the multi-cylinder type with one of the cylinders exhausting fumes from the cooking top of the range.

1,464,987. TRAY. OLIVER LAND FRANCIS HAGGARD and THOMAS OLIN RUSH, Gadsden, Ala. Filed Mar. 25, 1922. Serial No. 546,611. 2 Claims. (Cl. 32—6.)



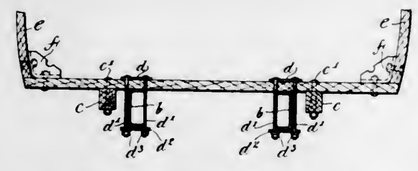
1. A dental impression tray comprising a handle, a body secured to the handle, wings hinged to the edges of the body for swinging movement toward and away from the prolonged axis of the handle, and means assembled with the handle and with the wings to cause the wings to swing toward and away from the prolonged axis of the handle.

1,464,988. LAMP. AUGIE L. HANSEN, Evanston, Ill., assignor to A. L. Hansen Mfg. Co., Chicago, Ill., a Corporation of Illinois. Filed July 15, 1920. Serial No. 396,398. 4 Claims. (Cl. 240—1.)



1. A lamp of the character described, comprising a cylindric lamp body, a reflector adapted to be detachably mounted thereon, a U-shaped band secured around said body and having arms adapted to grip the periphery of said reflector, and a hinged cap supported upon said band and adapted to close a filling opening in said body.

1,464,989. BODY FOR MOTOR VEHICLES. ALEXANDER GRISWOLD HERRESHOFF, New York, N. Y., assignor to International Motor Company, New York, N. Y., a Corporation of Delaware. Filed Dec. 2, 1921. Serial No. 519,309. 2 Claims. (Cl. 296—28.)



1. In combination with a longitudinally extending chassis beams of a motor vehicle, a floor therefor comprising transversely extending planks resting directly on the said chassis beams, longitudinally extending straps engageable with all the planks and resting on top thereof directly over and parallel to the chassis beams, stirrups on the underside of the chassis beams and bolts in pairs engageable with the said longitudinal straps and located on opposite sides of the chassis beams and engageable with the stirrups, for detachably securing the straps and floor to said beams.

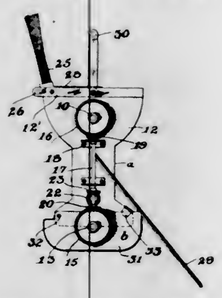
1,464,990. MANUFACTURE OF SODIUM FLUORIDE. HENRY HOWARD, Cleveland, Ohio, assignor to The Grasselli Chemical Company, Cleveland, Ohio, a Corporation of Ohio. Filed Mar. 1, 1922. Serial No. 540,306. 5 Claims. (Cl. 23—13.)

1. Process of making sodium fluoride which comprises simultaneously adding hydrofluoric acid and ammonia to a solution of sodium chlorid.

1,464,991. PROCESS OF MAKING SODIUM FLUORIDE. HENRY HOWARD, Cleveland, Ohio, assignor to The Grasselli Chemical Company, Cleveland, Ohio, a Corporation of Ohio. Filed June 27, 1922. Serial No. 571,295. 7 Claims. (Cl. 23—13.)

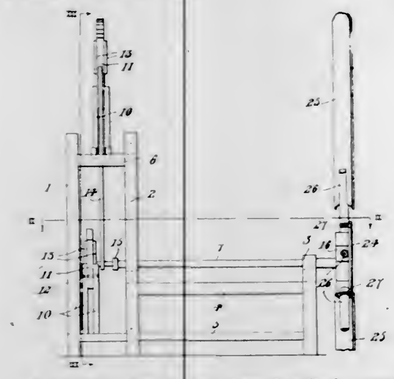
1. Process of making metal fluoride which comprises simultaneously adding hydrofluoric acid and ammonia to a solution of a salt of a metal which is more soluble than the fluoride of said metal at a relative rate sufficient to maintain the reaction mixture substantially neutral.

1,464,992. PAPER-HANGING MACHINE. MICHAEL A. KISHELL, Dickson, Pa. Filed June 24, 1922. Serial No. 570,580. 14 Claims. (Cl. 216—6.)



1. In combination, a frame, a brush supported thereon, a shaft for supporting a roll of paper, a paste roller, a pair of paper guiding members one on each side of said roller so disposed that paper passed under said members will contact with the top of the paste roller, driving connections between said shaft and paste roller, and means permitting disengagement of said driving connections and bodily displacement of said paste roller relatively to said members.

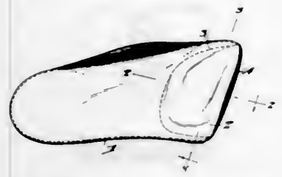
1,464,993. TOY WINDMILL. TADEUSZ LESZCZYNSKI, Toledo, Ohio. Filed Mar. 4, 1922. Serial No. 540,981. 4 Claims. (Cl. 46—40.)



1. A windmill toy of the class described, comprising a frame, a power shaft journaled therein, a wind wheel fixed to one end of the power shaft, a crank arm carried by the other end thereof, a pair of figure toys supported on said frame, link arms carried by said figure toys, a saw blade connected at its opposite ends to said link arms and to said crank arm, said wind wheel including a disk fixed to said power shaft, radial blades swiveled in said disk, bracket arms carried by said disk and projecting radially therefrom and means engaging said blades and guided by the bracket arm for reversing the feathering positions of said blades.

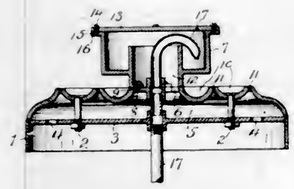
1,464,994. FOOT-ARCH SUPPORT. NATHAN V. LEVITT, Philadelphia, Pa., assignor of one-half to Morris L. Goldich, Philadelphia, Pa. Filed Oct. 29, 1919. Serial No. 334,185. 6 Claims. (Cl. 36—71.)

1. A foot arch support including, with a body portion having one end made flexible and extended to receive the anterior metatarsal arch of a foot, cushion means disposed beneath the flexible portion of the body formed to present a plurality of convex protuberances on the upper side beneath the flexible portion to conform the



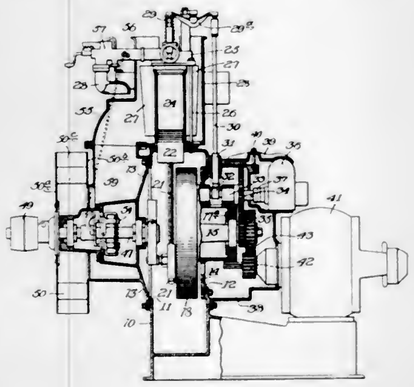
body portion to present the protuberances to fit between and articulate the bones of the anterior metatarsal arch.

1,464,995. OIL BURNER. HARRY G. MILLER, Kansas City, Mo. Filed June 23, 1921. Serial No. 479,800. 2 Claims. (Cl. 158—63.)



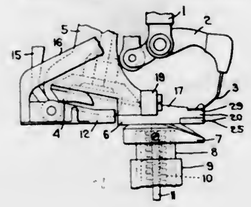
1. In an oil burner, a body provided with an air inlet and a mixing chamber, discharge means communicating with said chamber and an opening in its top communicating with the chamber, a closed vapor receptacle supported by and above said body and having a tubular extension communicating with said opening and projecting into said vapor receptacle and spaced apart from the top thereof, and a fuel conductor extending through the bottom of said body and through said extension and discharging into said receptacle, substantially as set forth.

1,464,996. ENGINE. CARL W. MOTT, Sterling, Ill., assignor to Fort Dearborn Manufacturing Co., Sterling, Ill. Filed Nov. 28, 1919. Serial No. 341,058. 5 Claims. (Cl. 121—194.)



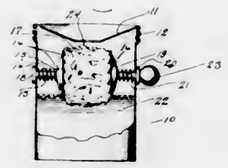
1. In an engine, a main frame, a cylinder attached thereto, an opening in said frame, a closure for said opening having antifriction bearings therein, a crank shaft in said bearings, gears on the crank shaft and a plurality of shafts geared thereto and journaled in said closure, all of said parts being assembled and adapted to be inserted in said opening as a unit.

1,464,997. BLINDSTITCH-PIPING MACHINE. HARLEY C. MOULTON, Medford, Mass., assignor, by mesne assignments, to Lawrence M. Stein, Chicago, Ill. Filed Apr. 14, 1922. Serial No. 552,540. 20 Claims. (Cl. 112—198.)



1. In a blind stitch sewing machine for sewing the edge portion of a superimposed layer upon a base layer of material, comprising a needle and complemental stitch forming mechanism, a relatively movable work support and presser foot, means acting to cause said work support and presser foot to clamp the work therebetween, feeding mechanism operable to feed the work and to cause said work support and presser foot to release the work during the feeding operation and movable member engaging the edge portion of the superimposed layer operable by the relative movement of the work support and presser foot to clamping position to present the under face of the edge portion of said superimposed layer in the path of the needle during the formation of the stitch in said layer.

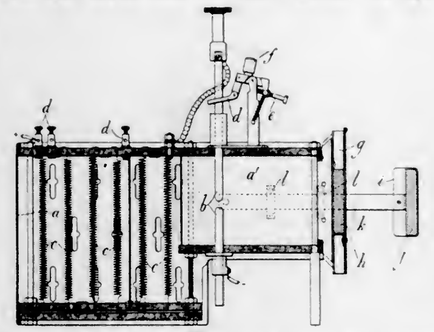
1,464,998. CIGARETTE EXTINGUISHER. CHARLES F. PRATT, Plymouth, Wis. Filed Feb. 4, 1922. Serial No. 534,082. 1 Claim. (Cl. 131—51.)



The combination of a cylindrical container, a cap therefor having a truncated, conical, central portion with an opening at the apex and a downwardly directed circumferential flange detachably secured to said container, a pair of plates, teeth on said plates, a rod rigid with each of said plates, a spring enveloping each of said rods for moving said rods inwardly, a sponge gripped by said plates, and means for limiting the inward movement of said rods.

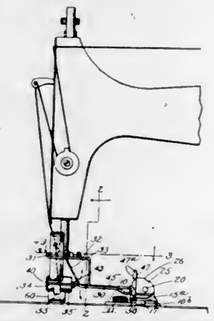
1,464,999. APPARATUS FOR DEMONSTRATING OR TESTING THE TRANSMISSION OF LIGHT BY OPHTHALMIC GLASS AND THE LIKE. CHARLES STUART PYSER, London, England, assignor to The Mayfair Optical Company, Limited, London, England, a Corporation. Filed Nov. 21, 1922. Serial No. 602,417. 4 Claims. (Cl. 88—14.)

1. Apparatus of the kind described comprising a casing containing a source of light, a screen for absorbing visible light, and a second screen placed in front of the first screen and spaced from the latter, whereby the light



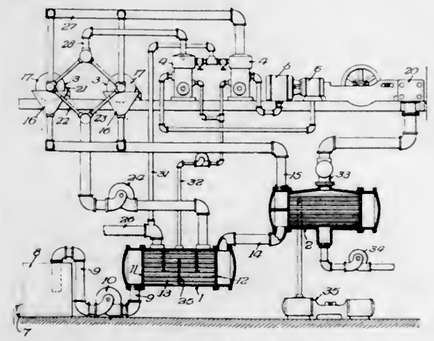
transmitting qualities of materials interposed between the two screens can be tested.

1,465,000. TAPE-FEEDING ATTACHMENT FOR SEWING MACHINES. ERNESTO ROMANO, New York, N. Y. Filed Apr. 26, 1922. Serial No. 556,729. 12 Claims. (Cl. 112—152.)



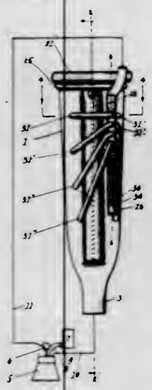
1. A sewing machine attachment comprising a base, a support pivotally mounted thereon, and a tape tensioning and guiding member movably mounted upon said support and provided with a finger shaped to engage the upturned end of the presser foot of a sewing machine for retaining said member in operative relation thereto.

1,465,001. SYSTEM FOR TREATING ACTIVATED SLUDGE. WILL J. SANDO, Milwaukee, Wis. Filed Feb. 5, 1923. Serial No. 617,003. 14 Claims. (Cl. 210—15.)



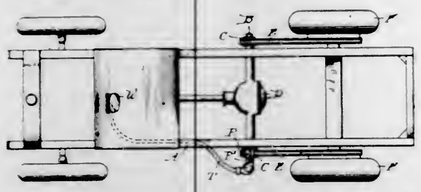
1. A system for treating activated sludge comprising heating means for the sludge, power means for the system, and means for balancing the waste heat from the power means with the heat requirements of the system.

1,465,002. TEAT CUP. PETER SCHAWANG, St. Paul, Minn. Filed Jan. 30, 1922. Serial No. 532,539. 9 Claims. (Cl. 31—102.)



1. A teat cup comprising an outer casing having lengthwise channels, a collapsible teat-receiving member arranged within the casing, a series of annular inflatable pads encircling the member within the casing, and means for securing the pads in the channels and dividing the same into opposed pairs of inflatable sections.

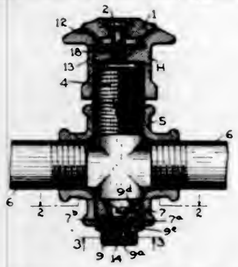
1,465,003. DIFFERENTIAL SHAFT DRIVE FOR SPEEDOMETERS AND THE LIKE. WILLIAM H. SCHULZE, Chicago, Ill., assignor to Stewart-Warner Speedometer Corporation, Chicago, Ill., a Corporation of Virginia. Filed July 19, 1922. Serial No. 576,113. 7 Claims. (Cl. 74—7.)



1. In a motor vehicle, in combination with a rear wheel drive chain, comprising a transverse power shaft from the differential, and a sprocket thereon outside the frame, a bracket depending outwardly from the fore-and-aft frame bar, having at its lower end, means alinged with said power shaft for holding a shaft bearing; a gear housing comprising two members swiveled together, and intermeshing gears therein with their driven and driving shafts, respectively, protruding from the respective members of the housing; a coupling member fast on the protruding end of the sprocket-carrying shaft, engaging the in-leading or driven shaft of the housing, and a flexible shaft having its casing and rotary shaft members, respectively, operatively coupled to the other housing member and to the other shaft protruding therefrom.

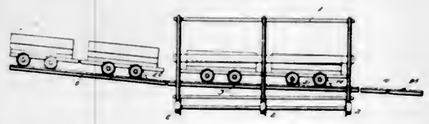
1,465,004. SCREW-OPERABLE DRAIN VALVE. HOWARD B. SHERMAN and DONALD M. BLISS, Battle Creek, Mich., assignors to H. B. Sherman Manufacturing Co., Battle Creek, Mich., a Corporation of Michigan. Original application filed Jan. 19, 1922, Serial No. 530,330. Divided and this application filed Feb. 10, 1923. Serial No. 618,339. 7 Claims. (Cl. 251—43.)

7. In combination with a hollow body having a threaded opening, a screw threaded plug fitted in said opening and provided with a bore having a valve seat in its inner end; and a threaded portion below the seat; a valve member having a flattened shank engaging the threaded part of the bore, and a head adapted to fit on said valve seat to close the bore, said head having a



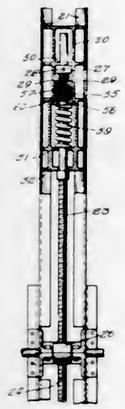
notch for engagement by a screw driver, the valve being manually openable or closable by inserting a driver into the body and engaging the slot in said head.

1,465,005. CAR-UNLOADING APPARATUS. GEORGE N. SIMPSON, Chicago, Ill., assignor to Wood Equipment Company, Chicago, Ill., a Corporation of Illinois. Filed Feb. 27, 1918. Serial No. 219,534. 14 Claims. (Cl. 214—55.)



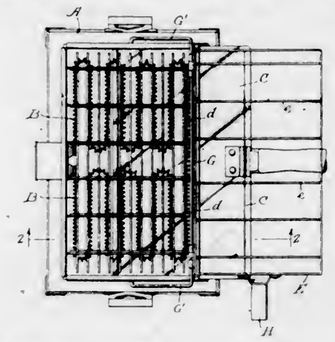
1. In a car unloading apparatus, the combination with a rotatable car dump structure having a track, with fixed approach and receiving tracks connecting therewith, of a movable stop within the dump structure to hold a loaded car for dumping and a movable stop in the fixed approach track to hold a following car above the dump structure, a trigger located in the fixed receiving track to set the first stop upon the travel of a car over such trigger, a trigger located in the dump structure to set the second stop through the travel of a following car, and means for withholding the second trigger from engagement by a moving car until after the setting of the first stop.

1,465,006. CAR-HOLDING MECHANISM. GEORGE N. SIMPSON and ARTHUR M. SIMPSON, Chicago, Ill. Filed Aug. 5, 1921. Serial No. 489,943. 6 Claims. (Cl. 214—52.)



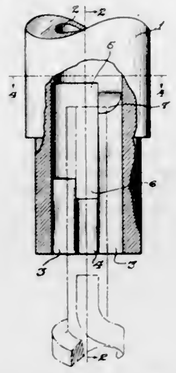
1. A car holding mechanism comprising a hook adapted to be moved from a raised position above a car body to a lowered position in engagement with a car body, operating means for moving the hook from its raised position to its lowered position, and elastic means interposed between the hook and the operating means, said elastic means comprising a relatively stiff spring and a relatively weak spring.

1,465,007. ELECTRIC TOASTER. ERNEST SJOLIN, Chicago, Ill., assignor to Chicago Flexible Shaft Company, Chicago, Ill., a Corporation of Illinois. Filed Mar. 9, 1922. Serial No. 542,207. 6 Claims. (Cl. 219—19.)



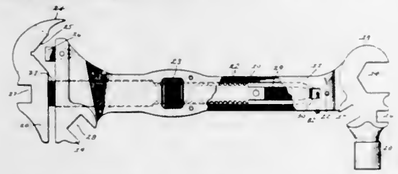
1. In an electric toaster and the like, in combination with a base and an electrically heated element for toasting, a two-part toast-holder comprising two reticulated frames hinged together at one edge for folding together to embrace the toast between them for exposure therethrough toward the heated element; hinge means for connecting the holder bodily to the base, and handle means for swinging the holder bodily about the last mentioned hinge to and from toasting position.

1,465,008. ROTATION SLEEVE FOR DRILL BITS. WILLIAM STEPHENS, Ironwood, Mich. Filed Mar. 29, 1922. Serial No. 547,811. 2 Claims. (Cl. 255—69.)



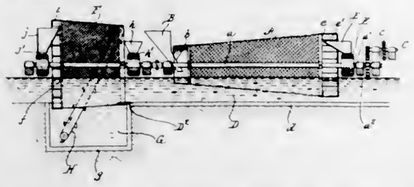
1. In a drill, the combination of a rotation sleeve provided in its lower end with oppositely disposed longitudinally extending radial grooves and a central circular portion connecting said grooves, the sleeve being further provided between the grooves with recesses, each communicating at one side with one of the grooves and having an extension at its lower end at its opposite side communicating with the central circular portion of the bore of the sleeve and closed to the groove, and a drill bit provided at its upper end with diametrically opposite longitudinally extending radial lugs adapted to engage in the grooves in the sleeve and pass longitudinally through the grooves to enter the respective chambers of the sleeve, the portion of the shank of the bit below said lugs being circular whereby to engage the circular central portion of the bore of the sleeve and rotate therein, the lugs moving within the recesses of the sleeve during such rotation whereby to aline with and seat in the extensions at the lower ends of said recesses and one wall of a recess being flush with and merging into a wall of a seat whereby to limit the rotary movement of the bit and the engagement of the lugs in the seats preventing rotary movement of the bit.

1,465,009. COMBINATION TOOL. MICHAEL WASSETH New Haven, Conn. Filed Dec. 9, 1920. Serial No. 429,371. 1 Claim. (Cl. 7—7.)



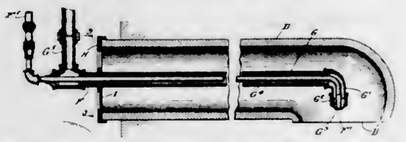
A tool comprising a hollow handle having a transverse intersecting work-receiving aperture, a shank slidably mounted in the handle, a screw-driver bit carried by the shank, a means for holding work pieces of small dimensions in said aperture, and means for effecting longitudinal adjustment of the shank to project the screw-driver bit into the aforementioned aperture.

1,465,010. PROCESS OF SEPARATING. GEORGE ROBERT YOUNG, Huntington, N. Y., assignor, by mesne assignments, to Young Sand and Gravel Corporation, New York, N. Y., a Corporation of New York. Filed Oct. 17, 1919. Serial No. 331,440. 7 Claims. (Cl. 83—84.)



1. In the art of separating materials, the process which consists in subjecting the material to agitation within a screening mechanism and concurrently therewith exposing the materials to the flow of a liquid current for effecting the flotation of the sand and grit away from the gravel.

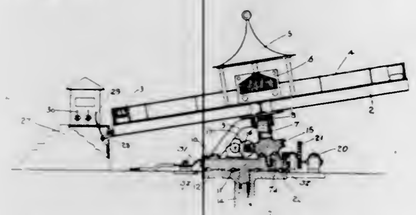
1,465,011. TUNNEL-KILN OIL BURNER. GERALD ELLIS IRONS, Coraopolis, Pa., assignor to American Dressler Tunnel Kilns, Inc., New York, N. Y., a Corporation of New York. Filed Mar. 27, 1920. Serial No. 369,416. 6 Claims. (Cl. 158—74.)



6. An oil burner comprising an oil supply pipe with a restricted discharge orifice at its combustion end, a steam jacket surrounding said pipe with an annular dis-

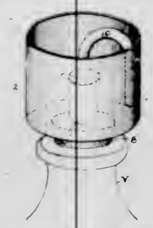
charge orifice surrounding the first mentioned orifice, and a non-metallic refractory shell surrounding the steam jacket and forming an air jacket for the latter, said shell having an air inlet at its outer end and having an opening at its inner end through which the discharges from said orifices may pass.

1,465,012. GYRATORY ROUNDABOUT. ERNEST KOHLER, Denver, Colo., assignor to The United Mines and Manufacturing Company, a Corporation of Arizona. Filed Aug. 28, 1919. Serial No. 320,393. 2 Claims. (Cl. 46—27.)



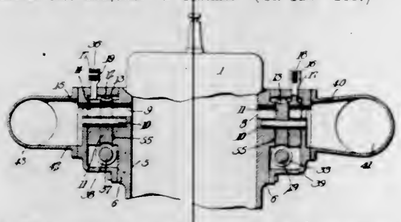
1. In an amusement apparatus, a gyratory platform carrier having an axis of rotation inclined fixedly to its axis of revolution and provided with an entrance and exit accommodations for passengers, a landing platform, a holding device thereon adapted to engage the gyratory platform, and means for independently imparting rotary and revolutionary movements to said platform.

1,465,013. ATTACHMENT FOR LIQUID CONTAINERS. ANTON KRAUSE, Cleveland, Ohio. Filed May 14, 1923. Serial No. 638,821. 5 Claims. (Cl. 215—56.)



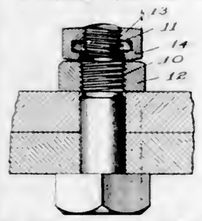
1. A sealing and venting attachment for vessels, comprising a cup having a ribbed bottom and a tubular extension depending from said bottom, a U-shaped vent tube connected with the upper end of said tubular extension within said cup, and a plug sleeved upon said extension and engaged with said ribbed bottom.

1,465,014. AUTOMATIC VALVE TIMER AND CONTROL. JOSEPH J. LEONARD, Rantoul, Ill. Filed Jan. 24, 1921. Serial No. 439,558. 2 Claims. (Cl. 123—108.)



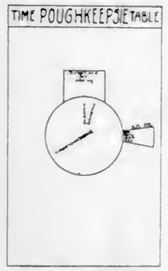
1. The combination with an internal combustion engine including inlet and exhaust ports and a crank shaft, of control discs for controlling the active area of said inlet and exhaust ports, a rod connected to said control discs, a governor mechanism for moving said rod longitudinally in one direction to move said control discs, power transmission means connecting said governor and crank shaft, and a spring for moving said rod and control discs in the direction opposite to their direction of movement under action of said governor.

1,465,015. NUT LOCK. MARSHEL F. LERCH, Louisville, Ky., assignor, by direct and mesne assignments, to The Lerch Shumate Bolt Co., Louisville, Ky., a Corporation of Kentucky. Filed Sept. 23, 1922. Serial No. 590,098. 2 Claims. (Cl. 151—16.)



1. A lock nut consisting of a body portion having a threaded bolt receiving opening, and lugs depending from the body portion at each of the flat sides of said nut and located centrally of said flat side, said lugs being undercut to provide inwardly extending flanges at the bottom, the under faces of said flanges and lugs being inclined inwardly and downwardly from the outer faces of the same.

1,465,016. TIME TABLE. STOCKWELL SANDS LUCAS, Poughkeepsie, N. Y. Filed Nov. 7, 1921. Serial No. 513,591. 2 Claims. (Cl. 116—131.)



1. A device of the kind described comprising a body member affording a plane front surface, a dial on said front surface having thereon the names of places, there being an opening in the body member adjacent to said dial, a pointer rotatably mounted at the center of said dial, and a circular member rotatably mounted at the back of said dial and extending behind said opening and being coaxially and fixedly connected with said pointer, said circular member having data thereon pertaining to the places whose names appear on said dial and arranged to be visible through said opening, said data and pointer being coordinated to cause display through said opening of data pertaining to any place whose name appears on said dial when said pointer is brought into registry with said name.

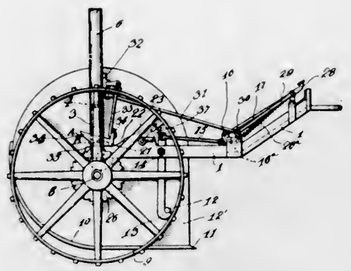
1,465,017. TIME TABLE. STOCKWELL SANDS LUCAS, Poughkeepsie, N. Y. Filed Nov. 7, 1921. Serial No. 513,592. 1 Claim. (Cl. 116—135.)

A device of the kind described comprising a body member having a longitudinal slot therein and bearing indicia adjacent to said slot, said body member having an opening in alinement with said slot, a sheet material member at the back of said body member having thereon data visible through said opening and pertaining to said indicia, and a pointer connected with the latter member through



said slot and arranged to be moved longitudinally of the device and to impart corresponding movement to said data-carrying member, said pointer and data being coordinated to cause display of data pertaining to any indicia with which said pointer may be brought into registry.

1,465,018. SCRAPER. RODERICK P. MCNEIL, Baring, Wash. Filed Dec. 12, 1921. Serial No. 521,798. 3 Claims. (Cl. 37—134.)



1. A combination scraper and dumping vehicle with carrying wheels, a U-shaped axle, a frame, a pivot above the center of the axle supporting said frame, a scraper pan pivotally supported by the frame approximately at the center of the pan, lugs on the pan, hooks pivotally connected to the frame and cooperating with the lugs and means for operating the hooks to release the same from the lugs and force the hooks again under the lugs, means for holding the arms of the axle in a predetermined position with respect to the sides of the frame, means for operating the holding means for readjusting the said position of the frame and axle, and means for emptying said scraper either forwardly or rearwardly.

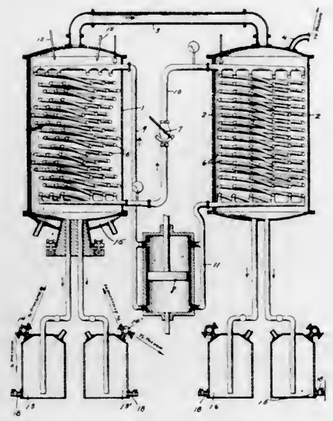
1,465,019. PHONOGRAPH DIAPHRAGM. EDWIN F. MATTAUSCH, Rosalia, Wash. Filed May 22, 1922. Serial No. 562,723. 1 Claim. (Cl. 181—32.)

A diaphragm composed of a varnished silk disk of uniform thickness throughout, a plurality of smaller disks of a compound of wool, cotton and wood pulp, secured in superposed relation on each side of said silk disk and progressively decreasing in diameter from the silk disk outwardly, said smaller disks each having their edges



tapered to a knife edge whereby to provide convexed surfaces on each side of the silk disk, and elastic waterproof varnish coating over said disks.

1,465,020. APPARATUS FOR CONCENTRATING SOLUTIONS. EUDO MONTI, Turin, Italy. Filed Nov. 19, 1919. Serial No. 339,204. 1 Claim. (Cl. 159—24.)

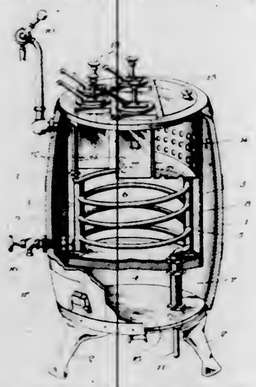


Apparatus for concentrating fluids, comprising in combination an evaporating tank, a condensing tank communicating with the evaporating tank, a condensing machine including a compressor and having a coil in each of said tanks, the coil in the evaporating tank being adapted to receive the compressed heated medium from the compressor and the coil in the condensing tank constituting the expansion coil of the condensing machine, and means for producing a vacuum in the evaporating tank.

1,465,021. SODA FOUNTAIN AND ICE-CREAM CABINET. WILLIAM SAMUEL NICOLSON, Salisbury, N. C. Filed Aug. 28, 1922. Serial No. 584,785. 3 Claims. (Cl. 225—29.)

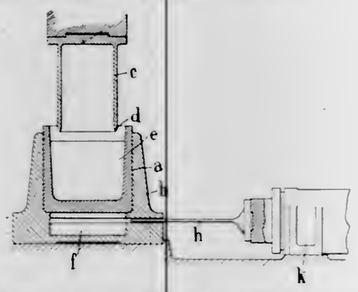
1. An apparatus of the character described including a barrel, a cylindrical metallic partition extending from the top of the barrel to the lower portion thereof, a lining of insulating material arranged on the interior of the

partition, said cylindrical partition being closed at its lower end, whereby the barrel is divided into a refrigerating chamber and an air chamber, beverage dispensing



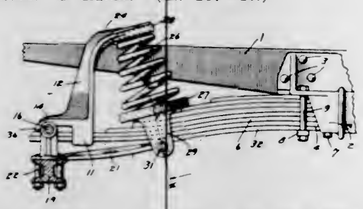
means arranged in the refrigerating chamber, and a door provided in the barrel and communicating with the air chamber.

1,465,022. MANUFACTURE OF OPTICAL GLASS. CHARLES ALGERNON PARSONS, Newcastle-upon-Tyne, CYRIL JAMES PEDDLE, Derby, and HUGH MALCOLM DUNCAN, Newcastle-upon-Tyne, England; said Peddle and Duncan assignors to said Parsons. Filed July 17, 1922. Serial No. 575,609. 8 Claims. (Cl. 49—14.)



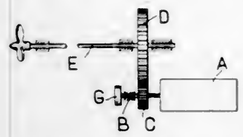
1. A method of manufacturing optical glass which consists in allowing the glass to cool in the pot until it has reached the stage at which it is still viscous but able to retain its shape without support and at this stage separating glass and pot, substantially as and for the purpose described.

1,465,023. SHOCK ABSORBER. RAYMOND RAGSDALE, Porterville, Calif. Filed Oct. 10, 1921. Serial No. 506,770. 5 Claims. (Cl. 267—17.)



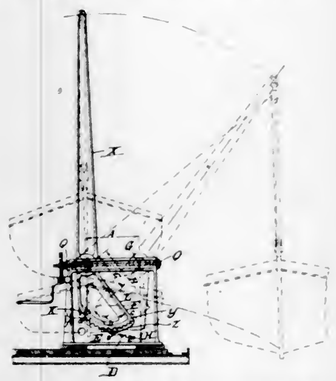
2. In a vehicle, in combination, an axle, spacing members rising therefrom, a cantilever vehicle spring supporting the vehicle body with one end, and yielding means for supporting the free end of the cantilever spring comprising a bracket adapted to slidably receive said free end having one arm pivotally supported in the spacing members and another arm yieldingly supported over the spring, an extension of the bracket beyond its pivotal support being adapted to engage the extreme end of the spring for checking its spring action.

1,465,024. DRIVING MECHANISM FOR MARINE PROPELLERS. CONRAD REGENBOGEN and ERNST OEHLER, Kiel, Germany, assignors to Fried. Krupp Aktiengesellschaft Germaniawerft, Kiel-Gaarden, Germany. Filed Feb. 14, 1921. Serial No. 444,968. 2 Claims. (Cl. 74—7.)



1. In a driving mechanism for marine propellers actuated by high speed piston engines, an engine, a propeller, a transmission gear arranged between said engine and propeller, said gear embodying a driving shaft and a driving wheel, a fly-wheel on said shaft, said driving wheel being disposed in a nodal point of the torsional oscillations to which said shaft is subjected, said nodal point being established by the position of said fly-wheel.

1,465,025. CONSTRUCTION OF BOATS' DAVITS. GIOVANNI RINESI, Genoa, Italy. Filed May 28, 1921. Serial No. 473,302. 1 Claim. (Cl. 9—22.)



Boat's quadrant davit having an elliptical sector rolling without sliding on a fixed sector of special profile corresponding to that of the geometrical curve called Delaunay, while the fulcrum of the davit is shifting itself on a straight line.

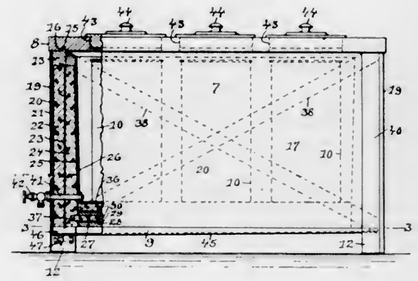
1,465,026. HATRACK. JAMES THOMAS SMITH, Thayer, Kans. Filed Aug. 18, 1922. Serial No. 582,784. 1 Claim. (Cl. 45—13.)



In a hat rack, a length of wire bent intermediate its ends to provide a loop portion, portions of the length of wire being twisted upon themselves to provide a body portion, said portions of the body having extensions to provide an opening, said rack being pivotally connected

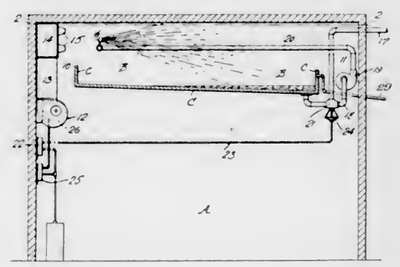
to a bow of a vehicle top, a winged nut secured to the supporting bow and disposed in the opening, said winged nut adapted to be moved transversely of the opening to engage the opposed sections of the body portion to hold the loop portion under clamping engagement with the supporting bow.

1,465,027. ICE-CREAM CABINET. GEORGE GRANT PETERSON, East Providence, R. I. Filed Feb. 23, 1922. Serial No. 538,603. 5 Claims. (Cl. 217—7.)



1. An ice-cream cabinet having a bottom, front, back and end walls, a cover, said walls consisting of an outer layer of sheet metal, a layer of paper, a layer of cork, a layer of cement, a layer of cork, a layer of paper, and an inner lining of sheet metal, for the purpose as described.

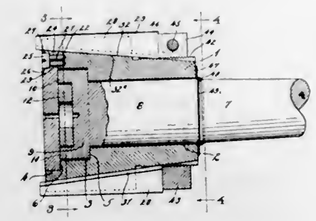
1,465,028. METHOD OF AND APPARATUS FOR CHILLING MATERIALS SUCH AS MEAT. ALFRED E. STACEY, Jr., Chicago, Ill., assignor to Carrier Engineering Corporation, New York, N. Y. Filed Sept. 17, 1918. Serial No. 254,496. 7 Claims. (Cl. 62—171.)



1. The herein described method of cooling material, such as meat, which gives off heat and moisture, consisting in maintaining the material in an atmosphere having a humidity below saturation and maintaining a relatively small difference between the vapor pressure corresponding to the temperature of the material and the vapor pressure of the atmosphere in the room containing the material, and maintaining the temperature in the room below the temperature of the material, whereby the material will be chilled with a relatively small vaporization of moisture therefrom.

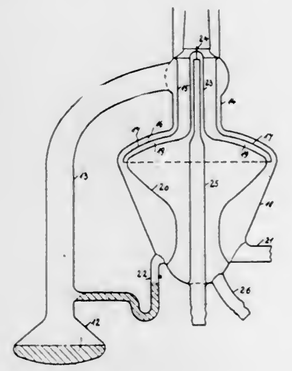
1,465,029. REAMER. FREDERICK W. STRAEHLE, Cleveland, Ohio. Filed Apr. 8, 1920. Serial No. 372,131. 7 Claims. (Cl. 77—72.)

1. In a tool of the character described, the combination of a revoluble body, one or more cutting members supported thereby, said body having a bore extending forwardly from the rear thereof and having an enlargement adjacent to the front of said body, a shaft or shank loosely mounted in said bore and having a head loosely mounted in such enlargement, the said head having a pair of diametrically opposed projections, a member secured to the



front of said body and having a pair of diametrically opposed projections adapted to enter such enlargement, and a floating connecting member in said enlargement and having projections adapted to be engaged by the before-mentioned projections.

1,465,030. MERCURY-VAPOR JET PUMP. HERBERT MARTIN CARL UNGLAUBE, Hamburg, Germany, assignor to the Firm of "Date" Laboratoriums- und Industrie-Bedarf G. m. b. H., Hamburg, Germany. Filed Mar. 10, 1923. Serial No. 624,139. 6 Claims. (Cl. 230—13.)

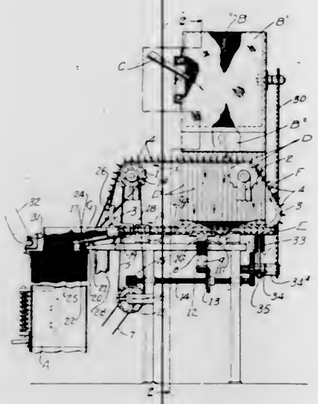


1. A mercury vapor jet pump comprising a mercury vapor feed pipe, a gas feed pipe, an outwardly flaring jet nozzle directed downwardly from the end of the vapor feed pipe, a cooling chamber and a conduit for gas ejected and discharged by the nozzle, and an outwardly flaring annular portion concentric with the nozzle and communicating with the gas feed pipe.

1,465,031. MATCH-MAKING MACHINE. BERNARD G. VAUGHAN, Joliet, Ill., assignor to National Match Company, Joliet, Ill., a Corporation of Illinois. Filed July 28, 1922. Serial No. 578,198. 9 Claims. (Cl. 144—64.)

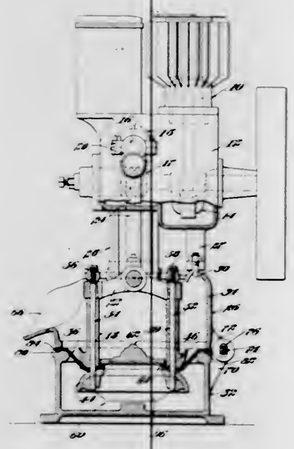
1. A match making machine, comprising a hopper adapted to hold match splints that are removed from the hopper and inserted in the match splint carrier of the machine, a match splint feeding mechanism for introducing match splints directly into said hopper, a distributing member

adapted to receive match splints from a source of supply and deliver them to said feeding mechanism, and



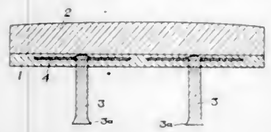
means for automatically rendering said distributing member inoperative under certain conditions so as to interrupt the delivery of the splints to said feeding mechanism.

1,465,032. PUMPING UNIT. JAMES W. WICKWIRE, Wollaston, and CHARLES E. BUENS, Malden, Mass., assignors, by mesne assignments, to Edson Manufacturing Corporation, Boston, Mass., a Corporation of Massachusetts. Filed Dec. 11, 1920. Serial No. 429,837. 6 Claims. (Cl. 103—152.)



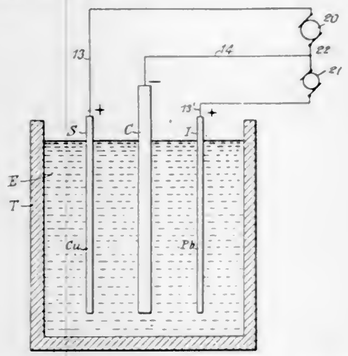
1. A liquid pumping unit comprising upper and lower casing portions, a flexible circular diaphragm having a concentric rib of substantial thickness projecting from the underside and adapted to space the body of the diaphragm away from the face of the casing portion and form substantially the sole engagement between the diaphragm and cooperating face of the lower casing portion, and means for clamping the two casing portions together to compress the rib against the lower casing portion and seal the suction chamber of the pump.

1,465,033. RUBBER PAVING AND FLOORING BLOCK OR SLAB. WILLIAM ARTHUR WILLIAMS, Edinburgh, Scotland, assignor to The North British Rubber Company Limited, Edinburgh, Scotland, a British Company. Filed Feb. 1, 1923. Serial No. 616,391. 2 Claims. (Cl. 94—1.)



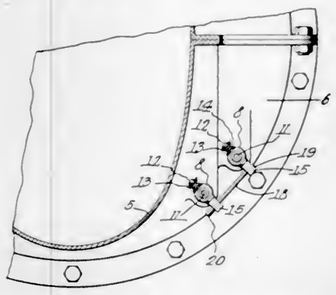
1. A paving or flooring block or slab comprising the combination of a hard rubber base, a soft rubber face, metal plates embedded in the hard rubber base and rigid metal projections carried by said plates and projecting downwardly through the hard rubber base at right angles thereto.

1,465,034. PROCESS FOR THE ELECTROLYTIC DEPOSITION OF COPPER. FRANK L. ANTISELL, Perth Amboy, N. J. Filed Nov. 3, 1921. Serial No. 512,626. 5 Claims. (Cl. 204—10.)



1. The process of electrolyzing cupriferous electrolytes by passing a current between a cathode and a plurality of anodes, the material of at least one of the said anodes being insoluble in the said electrolyte and not attackable by the products of electrolysis, while the other consists of cupriferous material attackable by the said products of electrolysis.

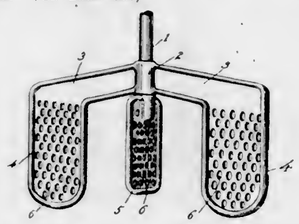
1,465,035. VALVE-ACTUATING DEVICE. JAMES ROY CRAWFORD, Clinton, S. C. Filed Sept. 18, 1922. Serial No. 588,939. 3 Claims. (Cl. 137—139.)



1. In a valve actuating device, the combination with a plurality of valves connected with the crank case of an engine at different levels for determining the amount

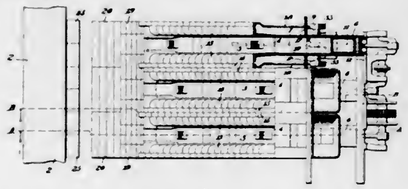
of oil therein, said valves having stems provided with transverse openings, of a rod adapted for insertion within the opening of each stem for actuating the valve, said rod being also adapted for insertion through the openings in the stems of all of said valves and held therein to prevent accidental turning movement of said stems.

1,465,036. WASHING-MACHINE AGITATOR. WILLIAM C. F. DIETZ, Cincinnati, Ohio, assignor to The Boss Washing Machine Company, Norwood, Ohio, a Corporation of Ohio. Filed May 19, 1922. Serial No. 562,209. 4 Claims. (Cl. 259—99.)



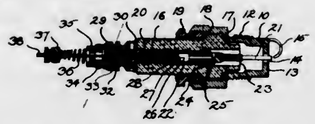
1. In a washing machine agitator, a mounting member adapted to move the agitator comparatively narrow plate, arms extending radially, said arms being provided with comparatively wide depending plate blades at their outer ends with the bottom edges rounded, and a central blade depending between the outer blades, for the purposes described.

1,465,037. FURNACE. JOHN A. FLEMINGS, Sharon, Mass., and ERNEST B. PRIEBE, Wilkinsburg, Pa., assignors to B. F. Sturtevant Company, Hyde Park, Mass., a Corporation of Massachusetts. Filed Dec. 14, 1918. Serial No. 266,767. 4 Claims. (Cl. 110—44.)



3. A furnace, having, in combination with a fire box, underfeed retorts, grates having movable portions for advancing the fuel and provided with air conducting and discharging means, an auxiliary stationary grate at the rear of said retorts and said grates, and an ash plate adapted to receive the fuel from said auxiliary grate.

1,465,038. SELF-CLEANING SPARK PLUG. FREDERICK E. GLAZE, Denver, Colo., assignor, by mesne assignments, to The Spangler Manufacturing Company, a Corporation of Colorado. Filed May 9, 1919, Serial No. 295,873. Renewed Dec. 28, 1922. 6 Claims. (Cl. 123—169.)



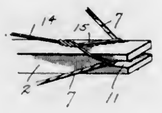
1. A spark plug having a chamber at its inner extremity, an electrode whose inner portion passes through said chamber, the electrode having a cavity intermediate its extremities, which cavity communicates with the atmosphere by a central longitudinal passage and with the upper portion of said chamber by ducts, a stem movable in the longitudinal passage of the electrode and having a valve adapted to seat in the upper portion of said cavity, and yieldable means for normally holding the valve in the seated position.

1,465,039. BUTTONHOLE-CUTTING MACHINE. ALBERT S. GOLDSTEIN, Rochester, N. Y., assignor, by mesne assignments, to Rochester Binding & Coat Front Company, Rochester, N. Y., a Corporation of New York. Filed May 9, 1921. Serial No. 467,927. 6 Claims. (Cl. 164—2.)



1. The combination of a frame, a part movably carried thereby provided with a cutting edge, means for adjusting said cutting edge on said part, a drum on said frame having a plurality of cutting surfaces of different lengths and adjustable to bring said surfaces selectively to position for co-operation with said cutting edge, retaining means for holding said drum in adjusted position, foot actuated means effecting cutting movement of said part relative to said drum, and a positive stop limiting the cutting movement of said part.

1,465,040. KITE. HENRY B. HOLTVOIGT, Dayton, Ohio. Filed Apr. 7, 1922. Serial No. 550,468. 12 Claims. (Cl. 244—22.)

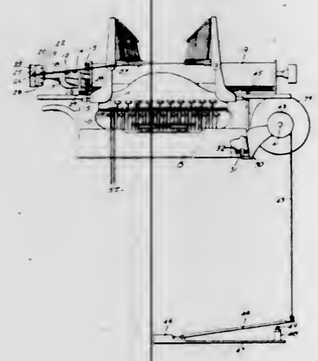


2. In a kite, the combination with a sail and supporting ribs therefor, of a cord connecting the ends of the ribs and supporting the sail, the ends of the ribs having notches therein in which the string engages, one of the ribs being bowed, and a stay for the bowed rib engaged in the same notches of said rib and extending parallel with and over the engaged portion of the string, whereby the tension of the stay under influence of the bowed rib tends to clamp the cord within the notch.

1,465,041. TYPEWRITER ATTACHMENT. DEMETRIUS K. HOWELL, St. Louis, Mo. Filed Mar. 7, 1921. Serial No. 450,282. 2 Claims. (Cl. 197—65.)

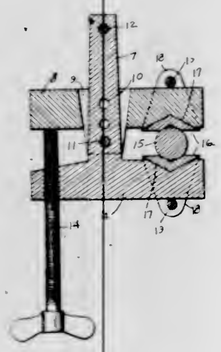
1. A typewriter attachment, comprising in combination with a typewriter frame having a carriage slidably mounted thereon and a knob attached to said carriage, a

housing loosely mounted on said knob, a frame detachably secured to the typewriter frame, a shaft mounted in said frame, sheave wheels secured on said shaft, a cable secured around each sheave wheel and wound in



opposite directions, one of said cables being secured to the typewriter frame and passing around the carriage and through said housing, a treadle secured to the remaining cable for rotating said sheave wheels for returning the carriage to its starting position.

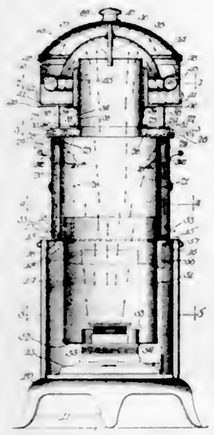
1,465,042. CARBON HOLDER FOR PICTURE PROJECTORS. ANTHONY S. HRUSKA, Detroit, Mich. Filed Apr. 16, 1921. Serial No. 462,050. 1 Claim. (Cl. 176—119.)



In a carbon holder, a pair of pivotally connected clamping jaws having V-shaped seats in their opposed faces, a pair of bearing members for gripping the carbons snugly engaging said seats, lugs extending outwardly from said bearing members above and below the corresponding jaws, and detachable connections between said lugs adjacent the outer faces of the jaws.

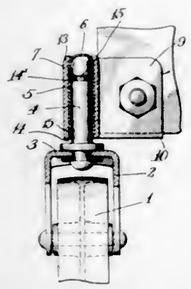
1,465,043. ODORLESS OIL-BURNING HEATING STOVE. BARRY IVOR, Chicago, Ill. Filed Sept. 21, 1922. Serial No. 589,160. 6 Claims. (Cl. 126—96.)

1. In a stove of the class described, the combination with an upright casing, of a fuel burner located in the lower portion of said casing, a water container horizontally supported around the upper portion of the casing, and means above the upper end of the casing and



supported by the water in said container for deflecting heated air and the products of combustion from said fuel burner against the water in said container.

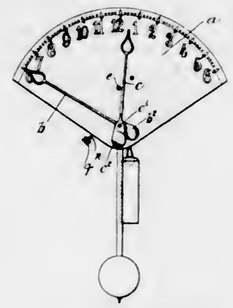
1,465,044. CASTER. JOHN ADOLPH JOHNSON, Meriden, Conn., assignor to The Bassick Company, Bridgeport, Conn., a Corporation of Connecticut. Filed Oct. 11, 1921. Serial No. 506,946. 4 Claims. (Cl. 16—18.)



1. In a caster, the combination of a socket member closed at the top to form a top bearing for a pintle, and a sleeve member, comprising a sheet of metal having its intermediate portion pressed around said socket member and having its end portions bent outwardly at an angle to each other, from the apex of the angle adjacent one side of said socket member, said end portions being adapted to engage against side surfaces of an article to be supported, adjacent a corner thereof.

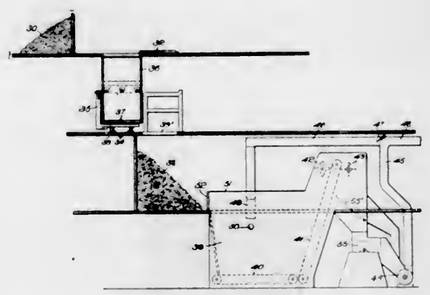
1,465,045. CLOCK. MAXIMILIAN H. KERN, Ridgewood, N. Y. Filed Nov. 29, 1921. Serial No. 518,581. 11 Claims. (Cl. 58—125.)

1. A clock embodying therein a face having hour and minute indicia thereon arranged in the sector of a circle, clockworks having means therein receiving continuous unidirectional movement and adapted to respectively actuate an hour hand and a minute hand whereby a full cycle of the clock-works will impart a part cycle to said hands respectively, an hour hand, a minute hand, each adapted to have clockwise movement with and contra-clockwise movement independently of said means and means whereby said hour hand and said minute hand are respectively operatively successively connected with said means having continuous, unidirectional movement,



whereby each hand receives positive clockwise movement, and when a hand has completed its full clockwise movement, a return, contra-clockwise movement of the hand is permitted.

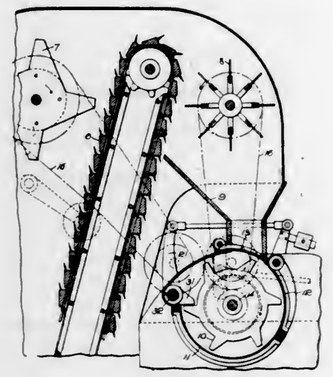
1,465,046. APPARATUS, INSTALLATION, AND METHOD FOR USE IN TREATING TEXTILE STOCK. WILLIAM S. KINSLEY, Reading, Mass., assignor to The Russell Company, Boston, Mass., a Corporation of Massachusetts. Filed Jan. 5, 1920. Serial No. 349,508. 12 Claims. (Cl. 19—66.)



12. An installation for textile mills including a mixer having a bin, means for elevating stock out of said bin, means for conveying said stock back to the bin, a duster interposed between the elevating means and the conveying means, and means for controlling passage of the stock delivered at the discharge end of the elevating means to the duster whereby all of the stock may be dusted before being returned to the mixer.

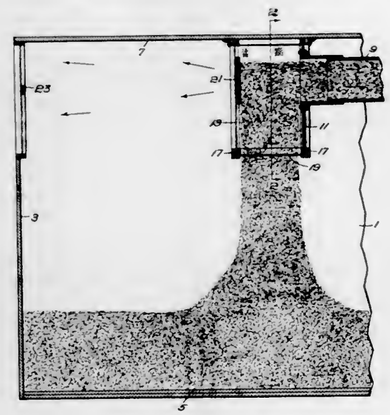
1,465,047. CLEANER FOR FIBROUS STOCK AND METHOD OF CLEANING FIBROUS STOCK. WILLIAM S. KINSLEY, Reading, Mass., assignor to The Russell Company, Boston, Mass., a Corporation of Massachusetts. Filed Jan. 5, 1920. Serial No. 349,509. 3 Claims. (Cl. 19—92.)

2. Dusting apparatus comprising, in combination, a beater casing, including a supply door and a discharge door, a rotary beater having a shaft, a worm on said shaft, a worm gear meshing with said worm, and a shaft



carrying said worm gear and having mounted thereon cam means for operating said supply and discharge doors.

1,465,048. APPARATUS FOR AND METHOD OF HANDLING FIBROUS TEXTILE STOCK. WILLIAM S. KINSLEY, Reading, Mass., assignor to The Russell Company, Boston, Mass., a Corporation of Massachusetts. Filed June 3, 1922. Serial No. 565,782. 14 Claims. (Cl. 19—75.)

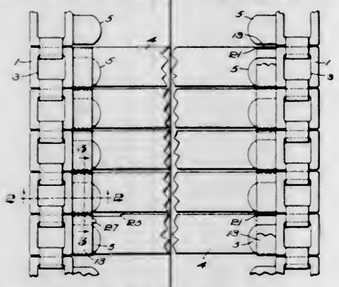


1. In an apparatus of the character described, a bin for receiving fibrous textile stock, an air blast conduit for such material terminating within said bin, a foraminous wall in front of the end of said conduit, and the wall of said bin having a foraminous portion aligned with the first mentioned wall.

1,465,049. CONVEYER FOR TEXTILE STOCK. WILLIAM S. KINSLEY, Reading, Mass., assignor to The Russell Company, Boston, Mass., a Corporation of Massachusetts. Filed June 3, 1922. Serial No. 565,783. 12 Claims. (Cl. 198—175.)

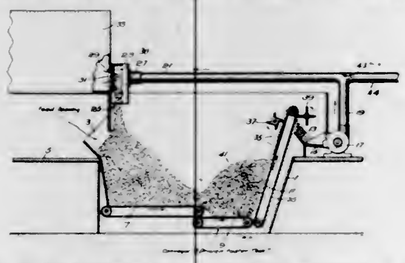
1. In a textile stock conveyer, a pair of sprocket chains, each link of said chains having a lateral ear ex-

tending toward the opposite chain, slats extending from each ear to an ear of a link of the opposite chain, and



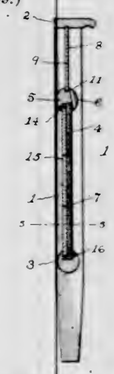
a clamping member for securing the ends of said slats to said ears.

1,465,050. MIXING AND CLEANSING APPARATUS FOR TEXTILE STOCK. WILLIAM S. KINSLEY, Reading, Mass., assignor to The Russell Company, Boston, Mass., a Corporation of Massachusetts. Filed June 3, 1922. Serial No. 565,784. 17 Claims. (Cl. 19—67.)



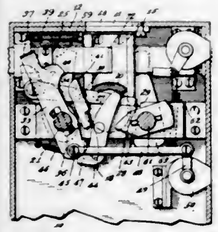
1. In an apparatus of the character described, a bin or the like into which material to be mixed is placed at one portion of said bin, means for causing said material to move to another portion of said bin, said means being constructed to operate to move the material for the last part of its travel across the bin more rapidly than for the first part of its travel, and means for returning said material to the first mentioned portion of said bin.

1,465,051. WASHBOARD. DEANE D. LENNER, Akron, Ohio. Filed June 7, 1922. Serial No. 566,504. 1 Claim. (Cl. 68—29.)



In a washboard of the character described, the combination with a frame of a standard type comprising side pieces and upper and lower cross bars connected to said side pieces, the side pieces and cross bars being provided with grooves to receive a rubbing body, a resilient rubber rubbing body formed with marginal edge flanges projecting rearwardly therefrom, and a backboard disposed between the side pieces and cross bars and having its edges seated on the said side pieces so as to support said rubbing body, edge portions of the backboard being engaged with the said rearwardly projecting marginal flanges of the rubbing body so that the flanges lie beyond the edges and are secured thereby in the grooves, the said edges of the backboard forming abutments engaging with the flanges and cooperating with the walls of the grooves to prevent displacement or shifting of the rubber rubbing body relative to the backboard and said side pieces and cross bars.

1,465,052. COIN-CONTROLLED LOCK. DONALD C. MORGAN, Indianapolis, Ind., assignor to American Sanitary Lock Co., Indianapolis, Ind., a Corporation of Indiana. Filed Nov. 5, 1921. Serial No. 512,987. 7 Claims. (Cl. 194—54.)



1. In a lock the combination with the main casing and movable bolt, coin guide, and coin retainer, of an external actuating member, means carried by said member to engage the bolt in retracting direction, coin controlled means for normally locking said member against actuation, means actuated by said member for releasing the coin, latching means for latching said coin releasing means in releasing position, an internal lock actuator, and means actuated by said internal actuator for releasing the latching means.

1,465,053. COLOR MOTION-PICTURE PHOTOGRAPHY. FREDERICK THOMAS O'GRADY, Flushing, N. Y. Filed Nov. 26, 1919. Serial No. 340,924. 3 Claims. (Cl. 95—2.)



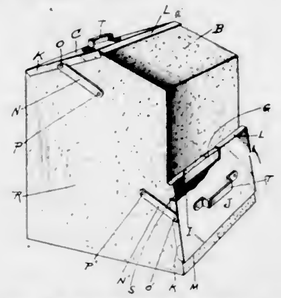
1. The method of making positive films for the projection of motion pictures in colors consisting in first marking on the emulsion side of a negative film a multiplicity of fine longitudinally extending straight, parallel color filter lines, said color filter lines extending over a multiplicity of picture areas in the direction of their movement and being arranged side by side and covering the entire emulsion coat, exposing the filter area of the said marked negative film in a camera to obtain a series of images thereon in sequence on a multiplicity of picture areas, washing the color filter lines from the exposed negative film and then developing said film to fix the images thereon, making a print from said negative film on a positive film to produce the sequence of pictures arranged close together and covering a multiplicity of picture areas arranged longitudinally of the film, and developing said positive film to fix the images thereon and then marking on the positive film longitudinally extending color filter lines, said lines being continuous over a multiplicity of picture areas arranged close together and in sequence longitudinally of the film and corresponding exactly in number and position and character with the color filter lines marked originally on the negative film.

1,465,054. COLOR MOTION-PICTURE PHOTOGRAPHY. FREDERICK T. O'GRADY, Flushing, N. Y. Filed May 11, 1921. Serial No. 468,474. 3 Claims. (Cl. 95—2.)



1. The method of making positive films for the projection of motion pictures in colors consisting in making two images on a negative film by exposures through two color filters and then developing said film, first printing from said film through a screen plate having clear and opaque spaces on a positive film the negative image made through one color filter, then moving the screen plate laterally to uncover that portion of the film covered by the opaque spaces during the first printing and then printing the image made on the negative film through the other color filter, this second image being superimposed on the same picture area occupied by the first printing, then developing, washing and drying the positive film, and finally marking on said positive film color filters corresponding to the color filters used in making the exposures on the negative film, each of the color filters being placed on the positive film to occupy the parts occupied by the clear spaces of the said screen when printing the negative image made through the corresponding color screen.

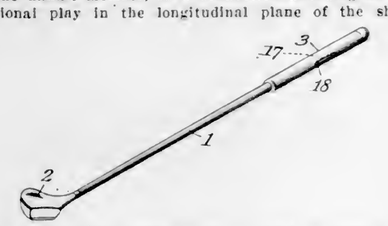
1,465,055. RECEPTACLE. ALF T. PERSSON, Chicago, Ill. Filed Aug. 17, 1922. Serial No. 582,335. 11 Claims. (Cl. 220—32.)



1. A cement receptacle substantially rectangular in horizontal section, the top of said receptacle consisting of two sections inclining downwardly in opposite directions from a central ridge, one of said top sections having a receiving opening therein and one of the side walls of said receptacle having a discharge opening extending upwardly from the floor of said receptacle, a ledge projecting outwardly from the wall of said receptacle above said discharge opening, and covers for said openings pivotally connected to said receptacle, the receiving and discharge opening covers having flanges adapted when said covers are closed to overlie said ridge and ledge respectively.

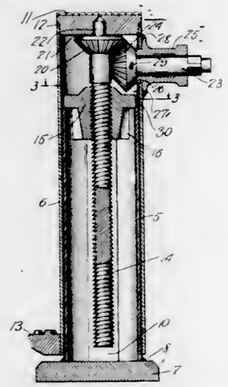
1,465,056. GOLF CLUB. EUGENE RAPHEL PHELAN, New York, N. Y., assignor of one-half to Frederick S. Dickinson, New York, N. Y. Filed Mar. 29, 1921. Serial No. 456,511. 13 Claims. (Cl. 46—4.)

1. A golf club having a handle or grip portion, a rod or shaft carrying the club head and slidably mounted on the handle member, in a connection affording an extensional play in the longitudinal plane of the shaft



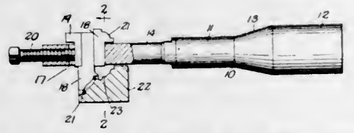
during the stroke, and torsional means governing the sliding and longitudinally extensional movement of the shaft.

1,465,057. JACK. MALCOLM D. RIKER, Dover, N. J., assignor to McKiernan-Terry Drill Company, Dover, N. J., a Corporation of New Jersey. Filed Mar. 25, 1920. Serial No. 368,651. 6 Claims. (Cl. 254—103.)



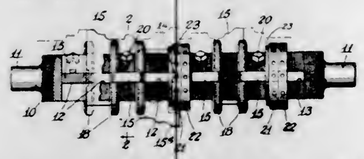
1. In a jack, the combination with a tubular post having an elongated indented portion, a tubular sleeve slidably engaged over the post and having a short indented portion slidably engaging the indented portion of the post, a nut supported by the post and having a reduced portion movable past the indented part of the sleeve, means for securing the nut to the post with said reduced portion out of line with the indentation of the sleeve, a screw engaged with the nut and connected with the sleeve and means for operating said screw.

1,465,058. TOOL-SUPPORTING SPINDLE FOR WOODWORKING MACHINES. JAMES ROCK, New York, N. Y. Filed Aug. 22, 1921. Serial No. 494,047. 2 Claims. (Cl. 144—218.)



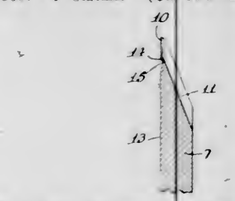
1. A tool supporting a spindle of the class comprising a main spindle and a supplemental spindle, said main and supplemental spindles being provided with apertures extending transversely through the axis thereof and into which one or more tools and slugs are adapted to be placed, the tools and slugs in the main spindle being held in position by a threaded member on the supplemental spindle which passes into the aperture of the main spindle, and means adjustably mounted in the supplemental spindle and extending into the aperture thereof for holding the tools and slugs therein.

1,465,059. TOOL-SUPPORTING SPINDLE FOR WOODWORKING MACHINES. JAMES ROCK, Astoria, N. Y. Filed May 15, 1922. Serial No. 560,869. 11 Claims. (Cl. 144—218.)



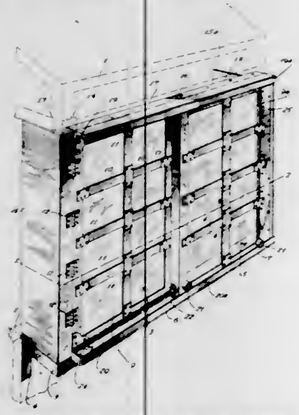
1. A tool supporting spindle of the class described, said spindle being threaded throughout its entire length, the opposite end portions of said spindle being provided with apertures arranging at right angles to each other and extending radially through the axis of the spindle, tools adapted to be mounted in the apertures of said spindle and to extend from said spindle in a ninety degree relation to each other, means whereby said tools may be interlocked one with another, means for adjustably securing said tools in the apertures of said spindle, and nuts adjustably mounted on said spindle for retaining said tools in predetermined positions.

1,465,060. WOODWORKING TOOL AND METHOD OF FORMING THE CUTTING EDGE THEREOF. JAMES ROCK, Astoria, N. Y. Filed July 29, 1922. Serial No. 578,389. 4 Claims. (Cl. 144—241.)



1. A tool of the class described the cutting edge of which is formed by first beveling one edge of the tool to form a sharp cutting edge, said edge being then turned in the direction of the bevel of said tool and again turned in the opposite direction.

1,465,061. BROILER ATTACHMENT. MAX SCHEY, Brooklyn, N. Y. Filed Aug. 29, 1921. Serial No. 496,262. 11 Claims. (Cl. 126—41.)



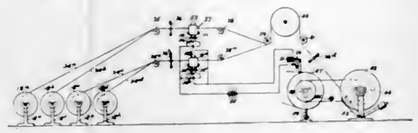
1. A rotisserie embodying a heating element, a canopy above the heating element and projecting forwardly thereof, an enclosure positioned forwardly of the heating element of the rotisserie and having transparent panels through which the interior of said enclosure may be viewed, said enclosure being open at its bottom to the atmosphere and communicating at its top with the interior of the canopy of the rotisserie, whereby air is caused to circulate upwardly through the enclosure, when the rotisserie is in operation, to preclude fogging of the transparent panels.

1,465,062. TOILET ARTICLE. RUTH S. M. SCHROEDER, Chicago, Ill. Filed June 5, 1922. Serial No. 566,061. 3 Claims. (Cl. 132—41.)



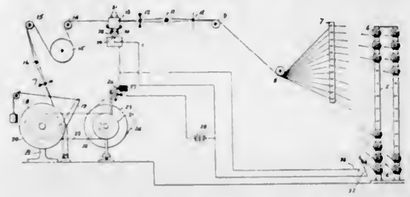
1. A hair curler consisting of three loops of wire forming arms, said arms being pivoted together at their ends for free angular movement relative to each other, one of said arms adapted to serve as a winding member or core upon which a lock of hair may be wound as a coil, and means for sustaining pressure by the other arms upon said coil to increase its permanency.

1,465,063. METHOD AND APPARATUS FOR BEAMING WARP. JOHN W. SOHN, Roxborough, Pa., assignor to A. T. Baker & Company, Inc., Philadelphia, Pa., a Corporation of Pennsylvania. Filed July 27, 1921. Serial No. 487,882. 3 Claims. (Cl. 28—32.)



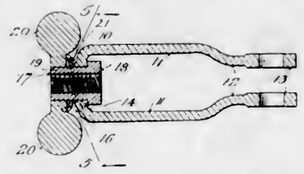
1. The method of beaming warp having more than a thousand ends of substantially the same length and under substantially the same tension, which comprises unwinding a plurality of separated threads and imparting to them a progressive and equal travel toward an end holding beam and maintaining the threads under substantially the same tension by first drawing them into a single group in a prearranged order, separating said group into a plurality of groups with the threads in a prearranged order, separating the individual threads from each other, then again drawing them into a single group in a prearranged order and winding the grouped threads on the end holding beam in such order, then unwinding the threads from a plurality of such wound end holding beams and imparting to each of the threads from all the beams a progressive and equal travel toward a warp beam so that the ends on the warp beam will be of substantially the same length and maintaining all the threads under substantially the same tension by drawing the threads from all of the end holding beams into a plurality of groups in a prearranged order, separating the individual threads of each group, then combining the several groups and maintaining the threads in a prearranged order, and finally winding the threads of all of the groups on the warp beam in such order.

1,465,064. METHOD AND APPARATUS FOR BEAMING WARP. JOHN W. SOHN, Roxborough, Pa., assignor to A. T. Baker & Company, Inc., Philadelphia, Pa., a Corporation of Pennsylvania. Filed July 27, 1921. Serial No. 487,883. 6 Claims. (Cl. 38—38.)



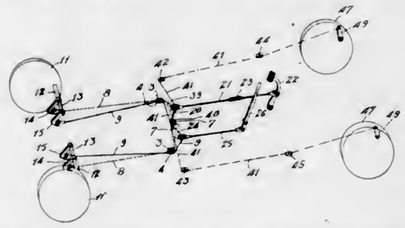
1. The method of beaming warp having a multiplicity of ends, which comprises unwinding a plurality of separated threads and imparting to them a progressive travel toward a beam and maintaining the threads under substantially the same tension by first drawing them into a single group in a prearranged order, separating said group into a plurality of groups with the threads in a prearranged order in each group, separating the individual threads from each other, then again drawing them into a single group in a prearranged order, winding the grouped threads on the beam in such order, and simultaneously and continuously subjecting to friction and pressure the warp on the beam and the threads as they pass to the beam to increase the tension of the warp as it is wound on the beam.

1,465,065. ADJUSTING DEVICE. JOSEPH H. STERN, Paterson, N. J., assignor to M. J. Ford Manufacturing Company, Hoboken, N. J., a Corporation of New Jersey. Filed Nov. 29, 1921. Serial No. 518,566. 4 Claims. (Cl. 85—36.5.)



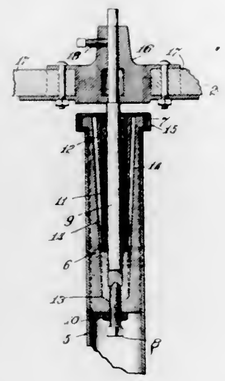
1. In an adjusting mechanism of the kind described, a holding link provided with an opening therein, a swivel seat surrounding said opening on one side of said link wall, and a securing adjusting seat adjacent said opening on the other side of the link wall.

1,465,066. BRAKING SYSTEM FOR AUTOMOTIVE VEHICLES. MELVIN STRINGER, Cleveland, Ohio, assignor of one-fourth to George T. Bander and one-fourth to Arthur E. Merkel, both of Cleveland, Ohio. Filed Aug. 13, 1920. Serial No. 403,207. 7 Claims. (Cl. 188—106.)



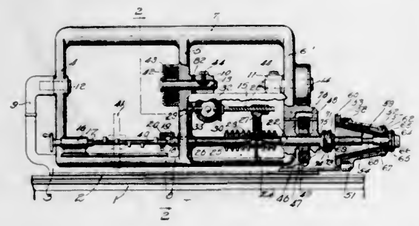
5. In a braking system for automotive vehicles, the combination of rear wheels and a set of brakes therefor; front dirigible wheels and a set of brakes therefor; a foot lever and an emergency lever; flexible cables adapted to actuate the rear wheel brakes; and a flexible cable adapted to actuate the front wheel brakes; two cables being connected with one of said levers; and one cable being connected with the other of said levers.

1,465,067. AMUSEMENT APPARATUS. WILLIAM S. TOTHILL, Chicago, Ill. Filed Aug. 10, 1922. Serial No. 580,855. 6 Claims. (Cl. 46—27.)



1. An amusement apparatus comprising in combination a hollow standard, a hollow plug in the upper end portion of said standard, a shaft projecting into said plug, a bearing carried by the plug for the lower end of the shaft, and a head secured to the upper portion of said shaft so as to rotate therewith.

1,465,068. UNIFORMLY-DRIVEN CAM-GRINDING APPARATUS. ALBERT TURNER, Worcester, Mass., assignor to Norton Company, Worcester, Mass., a Corporation of Massachusetts. Filed Sept. 28, 1918. Serial No. 256,082. 9 Claims. (Cl. 51—101.)

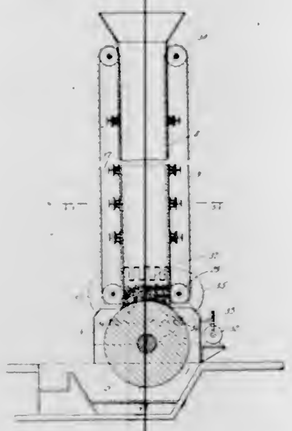


5. In a grinding machine, a rotatable work drive mounted to move in a path transverse to the work axis, a fixed driving shaft in approximate alignment with the work axis and a flexible connection between said shaft and work drive to rotate the work at a uniform angular velocity during its transverse movement.

1,465,069. APPARATUS FOR GRINDING WOOD PULP. JOHN J. WARREN, Brownville, N. Y. Filed Aug. 7, 1920. Serial No. 401,874. 6 Claims. (Cl. 83—75.)

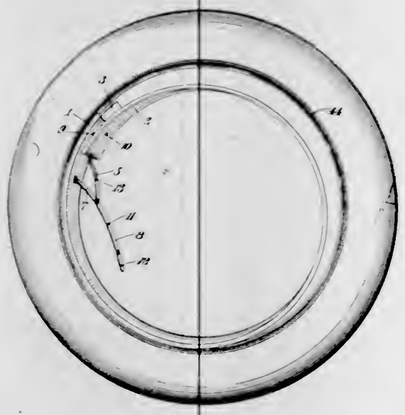
1. A wood-pulp grinder of the magazine type comprising the combination of a grindstone, a magazine adjacent to the grindstone and adapted to receive the wood to be ground, endless feed chains operating in the

magazine for positively feeding the wood to the grindstone, flexible channels or guide ways in the inner walls of the



magazine in which the feed chains move, and means for flexing these channels to vary the effective width of the magazine.

1,465,070. DEMOUNTABLE SPLIT RIM. PHILLIP A. WHITE, Long Island City, N. Y. Filed Apr. 20, 1921. Serial No. 462,984. 22 Claims. (Cl. 301—33.)



1. In a rim having abutting end portions formed by a transverse cut through said rim, means to decrease the size of said rim by forcing said abutting ends past each other into a superimposed position comprising a toggle having its members secured one to each abutting end portion, an extension on one of said members adapted to force said abutting ends into position to be superimposed, and means to operate said toggle.

1,465,071. DRYING APPARATUS. DAVID S. BAKER, Greenwich, Conn. Filed July 24, 1919. Serial No. 312,920. Renewed Feb. 5, 1923. 17 Claims. (Cl. 34—12.)

1. A drier embodying a chamber, means for transporting within said chamber the material to be treated, deflectors positioned on opposite walls of said chamber, and baffles movable within said chamber, the interval between



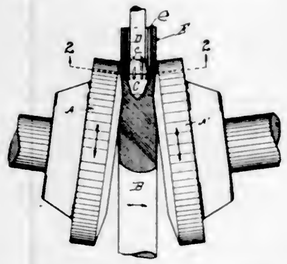
two of said baffles being equal substantially to the length of one deflector.

1,465,072. SEALING MEANS. WINFRED MUDGE BROOKS, South Orange, N. J. Filed June 13, 1921. Serial No. 477,006. 1 Claim. (Cl. 292—308.)



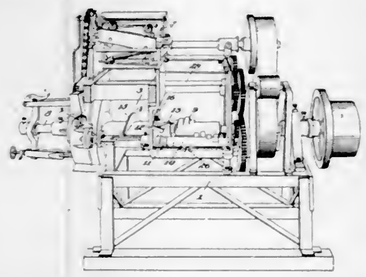
A wire seal comprising: a soft metal sealing element, and a crimped wire strand associated with said sealing element by being bent back upon itself, said strand consisting of a plurality of wires twisted together.

1,465,073. PROCESS OF PRODUCING SEAMLESS INTERNALLY-RIBBED TUBES. LEONARD D. DAVIS, Erie, Pa. Filed Oct. 30, 1919. Serial No. 334,522. 3 Claims. (Cl. 80—62.)



1. The process of making internally ribbed tubes from steel billets, consisting substantially in rolling a billet in a piercing mill and forcing a piercing plug having longitudinal slots in its periphery therethrough during the rolling process.

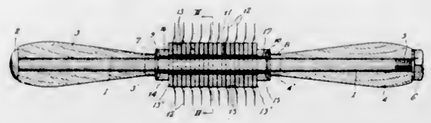
1,465,074. FEED MILL. ABRAHAM M. DELLINGER, Lancaster, Pa. Filed July 3, 1922. Serial No. 572,415. 13 Claims. (Cl. 146—29.)



1. A feed mill comprising two communicating hoppers in longitudinal alignment one adapted to receive grain and the other adapted to receive forage, means for cutting

forage into the forage receiving hopper, grain crushing means within the grain hopper, means for feeding the grain from the grain hopper into the forage hopper, and means for regulating the feed of grain from said grain hopper into said forage hopper.

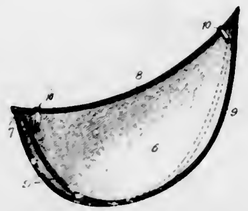
1,465,075. ROTARY CUTTER. LUIGI DI CARLO, Lockport, N. Y. Filed Mar. 24, 1922. Serial No. 546,392. 4 Claims. (Cl. 107—51.)



1. In a rotary cutter, the combination of a cylindrical stem; grip members secured to said stem adjacent the ends thereof; a tubular knife support mounted upon said stem intermediate said grip members; a plurality of disk knives mounted upon said support; means for fixing the knives longitudinally relative to each other; and means for spacing adjacent knives.

4. In a rotary cutter, the combination of a cylindrical stem; grip members secured to said stem adjacent the ends thereof, one of said members being longitudinally adjustable upon said stem and being formed with an inner-end metallic-incased bushing portion of uniform thickness; a tubular knife support mounted upon said stem intermediate said grip members; a plurality of disk knives mounted upon said support; means for fixing the knives longitudinally relative to each other; and means for variously spacing adjacent knives.

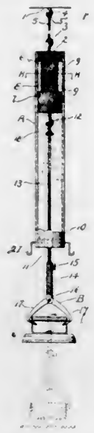
1,465,076. GARMENT PROTECTOR. JEAN G. DUPONT, Chicago, Ill. Filed June 13, 1921. Serial No. 477,072. 1 Claim. (Cl. 2—34.)



As a new article of manufacture, a garment protector formed of crêpe paper, and comprising sides connected together at one margin and formed to fit over and cover a portion of the garment to be protected from contact with the person.

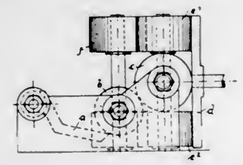
1,465,077. AUTOMATIC FLATIRON LIFTER. MICHAEL F. GORMAN, Binghamton, N. Y. Filed Mar. 25, 1921. Serial No. 455,481. 2 Claims. (Cl. 68—9.)

1. A support for pressing irons comprising a tubular body adapted for suspension and having its lower end closed and formed with a central aperture, a cylindrical head fitted and secured within the upper end of the body, and having its lower portion reduced, a cylindrical block slidably mounted within the body and of a diameter only slightly less than the internal diameter of the body so as to be guided by the body, the upper portion of the block being reduced, a coil spring surrounding the reduced portions of the head and block and connected to the head and block for normally holding the head retracted, a rod having its inner end swiveled to the lower



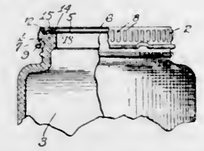
face of the block and projected through and guided by the aperture in the body, and a pressing iron holder connected to the outer end of the rod.

1,465,078. APPARATUS FOR SUPPLYING COLOR TO VERTICAL STAMPING ROLLERS. KARL PAUL GOTTSCHALK, Dresden, Germany, assignor to Henry Staier, Grunau, near Rossweln, Saxony, Germany. Filed Mar. 25, 1922. Serial No. 546,943. 3 Claims. (Cl. 101—7.)



1. In an apparatus for transmitting or supplying color or liquid color from a horizontally arranged color-box onto a stamping-roller vertically arranged and rotating on a vertical shaft, the combination with said box and stamping-roller, of means for supplying the color or liquid color from said box in a vertical plane, means for supplying said color or liquid color in a vertical plane perpendicular to the vertical plane first mentioned and means for supplying the color or liquid transmitted in a horizontal plane towards and onto the stamping roller.

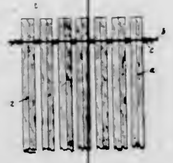
1,465,079. LINER-PLATE LUG CLOSURE. CHARLES HAMMER, Queens, N. Y., assignor to American Metal Cap Company, Brooklyn, N. Y., a Corporation of New York. Filed Jan. 18, 1922. Serial No. 530,083. 10 Claims. (Cl. 215—44.)



1. A combined cap and sealing member comprising a rotary metal cap and a metal sealing member fitting and wholly enclosed by said cap, and a yielding gasket

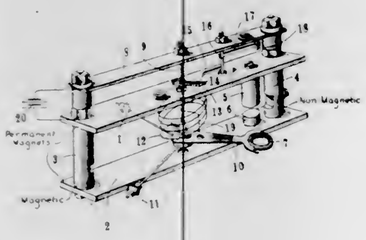
secured to the under side of the sealing member by inturning a part of said sealing member over the sealing face portion of the gasket, the gasket being in position to engage the top edge of the container with the metal of the sealing member in contact with the metal of the cap around and adjacent to the outer edge of the sealing member, whereby the cap may be rotated relatively to the sealing member without sticking thereto.

1,465,080. PLASTER LATHING. WERNER HEYD, Freilassing, Germany. Filed June 20, 1921. Serial No. 478,871. 1 Claim. (Cl. 72—116.)



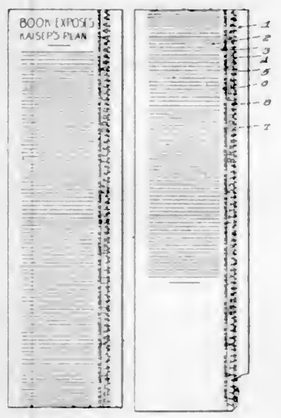
A plaster mat comprising in combination, a plurality of square laths disposed parallel to each other, and each having one diagonal thereof lying in a common plane which extends parallel to the surface upon which the mat is adapted to be placed, a relatively heavy supporting wire lying in a continuous plane and engaging the outermost edge of each lath whereby the wire is disposed in the tension region of the plaster held by the mat, a lighter wire extending at right angles to the first-mentioned wire on each side of each lath and closely engaging the inner faces of each lath and being out of contact with the remaining faces, the light wire being looped around the heavy wire intermediate the laths to position the laths with relation to each other.

1,465,081. ELECTRIC MACHINE. FRANK HOLDEN, London, England. Filed June 24, 1920. Serial No. 391,472. 3 Claims. (Cl. 172—126.)



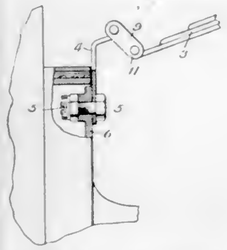
1. In electromagnetic mechanism, the combination of a pair of bar magnets spaced apart in parallel relation and with like poles transposed, a support of magnetic material and a support of non-magnetic material connecting opposite ends of said magnets, a pair of pole pieces secured to the magnets adjacent said non-magnetic support, a coil adapted to oscillate between said pole pieces and means for completing an electric circuit through said coil during a part of each oscillation.

1,465,082. GALLEY BAR AND PROOF. CHARLES T. KAMMEYER, Niagara Falls, N. Y. Filed Jan. 20, 1921. Serial No. 438,771. 15 Claims. (Cl. 276—42.)



12. A galley bar having letter forming characters alphabetically arranged throughout its length, each of said letters being in series, each series being graduated, means throughout the length of said bar to indicate the particular job, said bar being numbered throughout its length.

1,465,083. VEHICLE SPRING SUPPORT. HERMAN KNOEBEL, Chicago, Ill. Filed May 29, 1922. Serial No. 564,648. 3 Claims. (Cl. 267—54.)



1. In a motor vehicle, the combination of a rear axle housing, a transversely arranged spring for supporting the load weight of the vehicle on said housing, an upstanding one-piece bracket plate secured at each end of said housing, formed from flat metal thick enough to be substantially rigid, and with the upper end portion of each bracket plate bent inward and then bent upward again and rolled over at its end to provide an overhanging bearing on the uppermost portion of said plate, and swinging shackles to connect the ends of said spring with the two bearings provided by the upper ends of said bracket plates, so that each shackle swings about a fixed axis disposed at the top of its allotted bracket, with clearance below each bearing to prevent the shackles and the spring from engaging the housing.

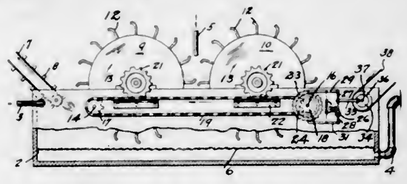
1,465,084. COMBINED LICENSE-PLATE HOLDER AND ILLUMINATOR. THOMAS A. MCCREANOR, South Manchester, Conn. Filed Dec. 30, 1921. Serial No. 525,861. 1 Claim. (Cl. 40—132.)

In a combined license plate holder and illuminator, a casing having a back, sides, and fixed ends which latter flare outwardly, a closure member for the front of the casing hinged at a side thereof to the casing and composed of an open frame, engaged with the front edges of the casing, inwardly extending cleats carried by the top and bottom of the frame, a license plate in the cleats, the license plate being of such length so that



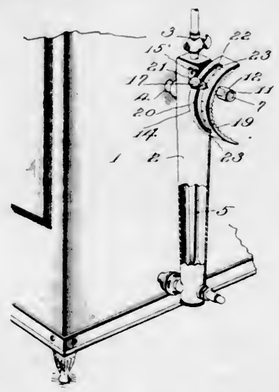
when the frame is in closed position the flared ends of the casing will engage the ends of the license plate to hold the latter in the cleats, and said cleats having each of their ends open to allow the license plate to be slid into the cleats from the ends of the latter.

1,465,085. WASHING APPARATUS. EDWARD L. MACABEE, Haywards, Calif., assignor to Hunt Brothers Packing Company, San Francisco, Calif., a Corporation of California. Filed Mar. 1, 1920. Serial No. 362,338. 13 Claims. (Cl. 146—14.)



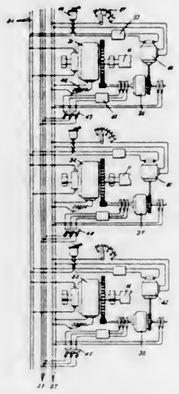
13. A washing apparatus comprising a tank adapted to contain washing liquid, an endless belt in said tank, and means for directly driving the belt so that it has a reciprocatory progressive motion through said liquid.

1,465,086. THERMOSTATIC HEAT REGULATOR FOR OVENS. BENJAMIN EDWIN MEACHAM, Lorain, Ohio, assignor to American Stove Company, St. Louis, Mo., a Corporation of New Jersey. Filed Jan. 10, 1921. Serial No. 436,119. 5 Claims. (Cl. 236—15.)



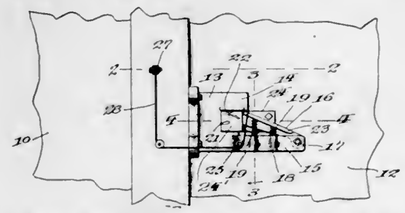
1. The combination with an oven of a thermo-actuated member extending into the oven, an adjustable member operatively connected with its outer end, a hand operated oscillating member connected with the adjustable member, and a dial supported independently of the adjustable member, said dial having at each end laterally projecting members forming stops for the hand operated member, for the purpose described.

1,465,087. SEGREGATED DRIVE FOR PAPER-MAKING MACHINES AND THE LIKE. WILBUR L. MERRILL, Schenectady, N. Y., assignor to General Electric Company, a Corporation of New York. Filed July 12, 1922. Serial No. 574,574. 8 Claims. (Cl. 172—293.)



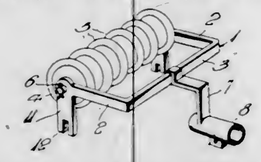
1. A segregated drive for paper-making machines and the like, comprising separate electric motors for separate units of the machine, each of said motors having rotatable field armature members, one of the said members arranged to be connected to a machine unit, synchronizing electrical connections between similar members of the motors for automatically maintaining a predetermined speed relation of the motors, and means for rotating the other of the said members of the motors to adjust the speed relation of the motors to be automatically maintained.

1,465,088. CAR-DOOR LOCK. ROY MURRAY, Jensen, Utah. Filed May 27, 1921. Serial No. 472,969. 2 Claims. (Cl. 292—225.)



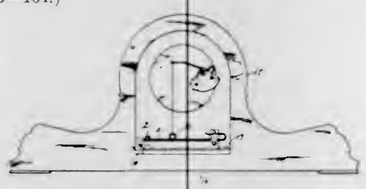
1. A sliding door lock comprising a door casing carried member having an upper shorter projection and a lower longer projection, the lower projection being vertically and longitudinally bifurcated, the inner end of the longer projection being formed with a vertically grooved shoulder, a triangular plate pivotally mounted in the outer end of the bifurcation and having its wider end disposed in the said grooved shoulder and being normally spring pressed upwardly against the upper projection, means for manually swinging the triangular plate downwardly, and an angle plate adapted to be mounted on a sliding door for depressing engagement with the triangular plate and seating within the space between the said projections, said angle plate having an offset free end arranged to engage behind the door casing carried member to maintain the door against outward swinging movement.

1,465,089. DISK ATTACHMENT FOR GARDEN RAKES. JOHN C. PARKER, Omaha, Nebr. Filed July 25, 1922. Serial No. 577,337. 3 Claims. (Cl. 55—10.)



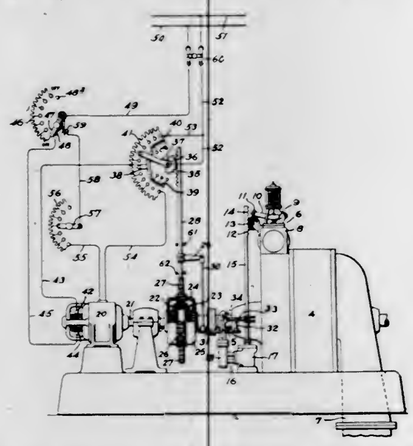
1. A garden rake attachment comprising a frame, a set of soil pulverizing disks revolubly mounted upon said frame, a clamp fixed to said frame and adapted to engage the handle of a garden rake, and a brace fixed to said frame and engageable with the head of the rake to brace said frame by the latter and to maintain said set of disks out of contact therewith.

1,465,090. CHIME AND STRIKE CLOCK. WILSON E. PORTER, New Haven, Conn., assignor to New Haven Clock Co., New Haven, Conn., a Corporation. Filed June 15, 1922. Serial No. 568,419. 1 Claim. (Cl. 116—164.)



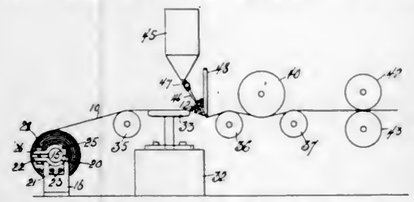
In a clock, the combination with a gang of horizontally-arranged rod-gongs, of horizontally-arranged hammer-arms therefor, hammers carried by the said arms, hammer-lifting means, and featherweight or imponderable, relatively wide, thin sheet-metal links connecting the said hammer-lifting means and hammers, whereby rattling and resonance in the operation of the hammers are avoided.

1,465,091. GOVERNOR FOR ELASTIC-FLUID ENGINES. DAVID C. PRINCE, Schenectady, N. Y., assignor to General Electric Company, a Corporation of New York. Filed Feb. 19, 1921. Serial No. 446,511. 6 Claims. (Cl. 264—9.)



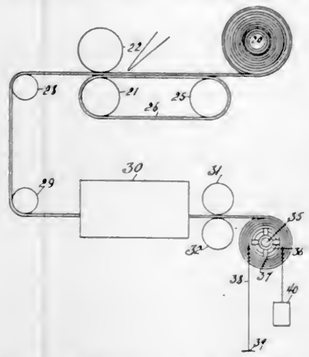
1. In combination, a prime mover, a rotating shaft driven thereby, a second rotating shaft, means for driving it at a constant speed, a means responsive to difference in speed between said two shafts for regulating the prime mover, and means for varying automatically the speed of the second rotating shaft with changes in load on the prime mover to stabilize the regulation of the prime mover.

1,465,092. PROCESS OF MAKING ARTIFICIAL LEATHER. ROLAND B. RESPESS, New York, N. Y., assignor, by mesne assignments, to Respro Inc., Cranston, R. I., a Corporation of Rhode Island. Filed May 1920. Serial No. 383,222. 1 Claim. (Cl. 91—68.)



The hereindescribed process of coating a fabric with a liquid surface dressing consisting in maintaining the fabric under tension, depositing a liquid cellulose dressing on the fabric, spreading the dressing, frictioning the dressing into the fabric, repeating the above steps with the same fabric a number of times to deposit a plurality of coatings of the dressing on the fabric one over the other and subjecting the fabric with its coatings to pressure.

1,465,093. PROCESS OF MAKING AN UNWOVEN FABRIC. ROLAND B. RESPESS, New York, N. Y., assignor, by mesne assignments, to Respro Inc., Cranston, R. I., a Corporation of Rhode Island. Filed Feb. 21, 1921. Serial No. 446,977. 2 Claims. (Cl. 91—68.)

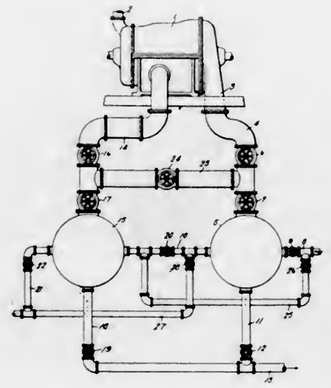


1. The herein described process of making an unwoven fabric consisting of forming an untwisted fiber sheet, saturating the sheet with a dissolving agent to attack the surface of the fiber throughout the sheet and thereby form an adhesive cellulose agent for and of the individual fibers, partly drying the sheet, and subjecting to pressure under tension.

1,465,094. [WITHDRAWN.]

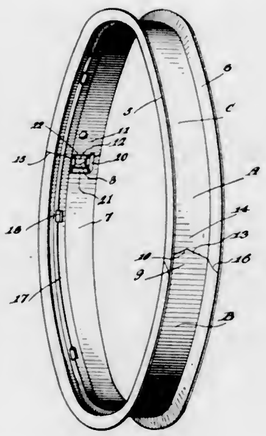
1,465,095. HEATING SYSTEM. ERNEST L. RICHARDSON, Lynn, Mass., assignor to General Electric Company, a Corporation of New York. Filed Sept. 23, 1920. Serial No. 412,206. 2 Claims. (Cl. 60—67.)

1. In combination, an elastic fluid turbine having an inlet conduit and an exhaust conduit, a condenser connected to the exhaust conduit, a second condenser connected to the turbine at a point of intermediate pressure, conduits for conveying circulating water through said condensers in series, a heating system conduit to which



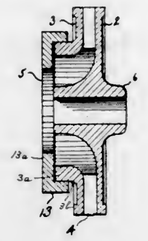
the circulating water is delivered, means whereby the exhaust conduit may be connected to said second condenser.

1,465,096. TIRE RIM. PAUL SCHULTZE, Wauchula, Fla. Filed Sept. 13, 1920, Serial No. 409,779. Renewed Sept. 11, 1922. Serial No. 587,564. 3 Claims. (Cl. 301—31.)



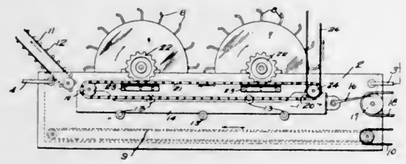
1. A tire rim, comprising two sections, one formed in an arc in excess of a semi-circle, and the other formed in an arc correspondingly less than a semi-circle, the meeting terminals of said sections being formed with interfitting V-shaped notches preventing lateral displacement in either direction, rigid connecting devices at one of the meeting terminals of said sections permitting relative flexing of said sections, and a sliding fastener at the other meeting terminal movable longitudinally of the rim to interlock the terminals at that point.

1,465,097. REGULATING CENTRIFUGAL PUMPS. ALLEN F. SHERZER, Ypsilanti, Mich. Filed July 23, 1921. Serial No. 487,052. 8 Claims. (Cl. 103—97.)



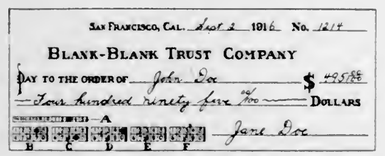
1. A centrifugal pump having a suction inlet determining the maximum capacity of the pump at a certain speed, and provided with means reducing said suction inlet to a permanently fixed predetermined capacity between said maximum capacity and the minimum capacity of the pump at that speed.

1,465,098. WASHING APPARATUS. HOMER C. STALEY, Oakland, Calif., assignor to Hunt Brothers Packing Company, San Francisco, Calif., a Corporation of California. Filed Oct. 20, 1919. Serial No. 331,943. 5 Claims. (Cl. 146—14.)



1. A washing apparatus comprising a tank adapted to contain washing liquid, a drum rotatably supported in said liquid, means on the drum for catching material to be washed, a slide, means for reciprocating the slide, and means arranged on the slide for imparting to the drum a rotary motion comprising forward movements alternated with reverse movements of less extent than the forward movements.

1,465,099. SAFETY DEVICE FOR CHECKS. HERMAN K. STOLBERG, Elmhurst, Calif. Filed Dec. 17, 1917. Serial No. 207,416. 6 Claims. (Cl. 283—9.)



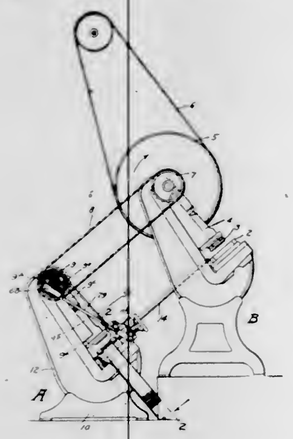
1. An instrument of the character described having an indicator rectangle and a series of independently arranged auxiliary rectangles apart from each other, said last named rectangles being consecutively numbered 1, 2, 3, 4, 5, and each number having a different characteristic appearance from the other whereby the substitution of a part of one rectangle from another will be immediately apparent.

1,465,100. SHOE-POLISH BOX. THOMAS LUCIEN TALIAFERRO, Chicago, Ill. Filed May 5, 1921. Serial No. 466,993. 1 Claim. (Cl. 220—42.)



A shoe polish box, comprising a body portion having an outwardly projecting rib in the side wall thereof, the said rib being disposed at a distance below the upper edge of said side wall, and a cover for frictionally engaging the body portion of the box above said rib, said cover having its lower edge rolled outwardly and upwardly to form a projecting strengthening rib, said edge at spaced intervals being rolled to a less extent, whereby relatively narrow downwardly projecting spacing lugs are formed adapted to engage the projecting rib on the body portion of the box and hold the rolled lower edge of the cover a spaced distance from said projecting rib on the body portion of the box, whereby the main frictional grip of the cover on the body portion is a slight distance away from the projecting rib on said body portion where the metal is more flexible and thereby the cover may be more readily removed from the body of the box by a tool inserted between the projecting ribs for prying off the cover.

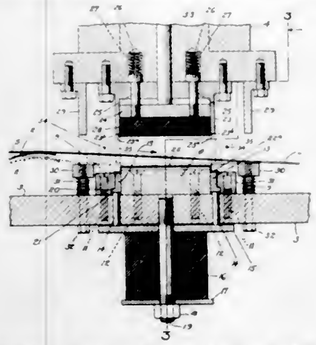
1,465,101. MACHINE FOR FORMING GASKETS AND APPLYING THE SAME TO CAN ENDS OR OTHER CLOSURES. WILLIAM J. TOWLE, St. Paul, Minn. Filed Oct. 17, 1921. Serial No. 508,239. 31 Claims. (Cl. 113—80.)



1. In a machine of the class described, the combination, with means for forming sheet metal closures, having flat edges or flanges, of means for cutting gaskets and applying the same to said closures, and means for thereafter turning up the edge of the closure around the outer edge of the gasket.

1,465,102. METHOD OF LINING CAN ENDS AND MECHANISM THEREFOR. WILLIAM J. TOWLE, St. Paul, Minn. Filed Apr. 10, 1922. Serial No. 551,345. 13 Claims. (Cl. 113—80.)

1. The method of forming and applying gasket liners to metal can ends having a shouldered or panel center and a laterally projecting flange, which consists in bringing the strip of gasket material over the can end, pressing said strip against the can end and cutting the inner edge of the gasket by contact of the gasket strip with the panel wall or shoulder, and cutting the outer edge of the gasket by contact of the gasket strip with the outer edge



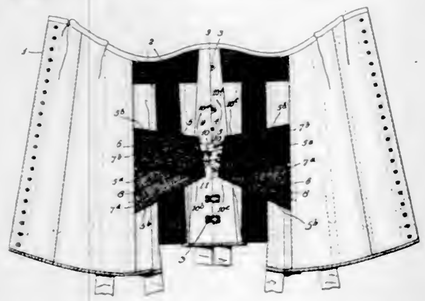
of the laterally projecting flange at the time this outer edge is being turned up, and seating said gasket in the groove in the can end thus formed between said upturned edge and said shoulder, all at one operation.

1,465,103. TRAILER TRUCK. LEE E. UTTER and RALPH E. HOWLAND, Nashotah, Wis., assignors to Trailer Truck Company, Nashotah, Wis., a Copartnership. Filed Jan. 2, 1918. Serial No. 209,902. 4 Claims. (Cl. 280—33.1.)



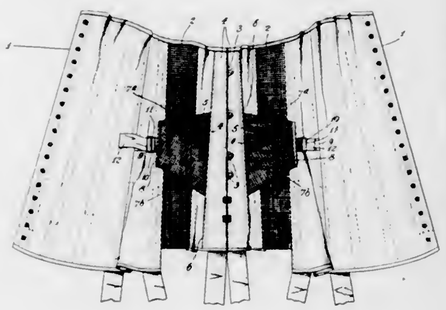
1. A two-wheeled trailing attachment for trucks having an axle provided with a forwardly projecting reach, in combination with a bolster centrally pivoted to swing about a vertical axis, said bolster having a spring supported load carrying bar provided with a depending yoke, which loosely embraces the reach, and is adapted to limit forward and back tilting movements of said bar, without interfering with normal oscillatory movements of the bolster about said vertical pivot axis.

1,465,104. CORSET. MILLARD VON HALLE, Palisades Park, N. J., assignor to The Standard Corset Company, New York, N. Y., a Corporation of Massachusetts. Filed Aug. 10, 1922. Serial No. 580,836. 6 Claims. (Cl. 2—73.)



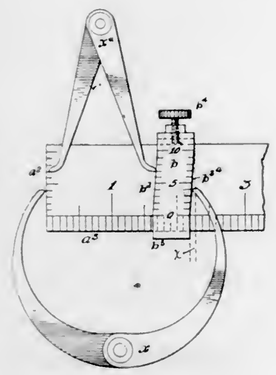
6. A corset comprising the usual body parts having permanently secured thereto, at a suitable point below the waist line of the corset, means for supporting and reducing the abdomen of the wearer, comprising: two members, each permanently secured at one end to the body of the corset, one on each side of and adjacent to the front center or opening thereof, the other end of said members being free and each of said members consisting of two strips of resilient material in overlapped and oblique relation to each other, the lower strip being longer than the upper, and the extent of the overlapping being greatest at the free ends of said strips where they are fastened or joined together in fixed relation to each other to form an edge that is oblique to the line along which the other ends of said members are permanently attached to the corset, the two members of the supporting and reducing means being so arranged that their free ends are disposed toward the front center or opening of the corset in opposed relation to each other, said free ends being provided with fastening and adjusting means, and fastening means attached to the free ends of the two members of the supporting and reducing means, comprising: two members each consisting of a strip of flexible material folded or bent back upon itself, the superimposed part of said strip overlapping, in oblique and fixed relation thereto, the under part of said strip and the two ends of one said strip being permanently secured to one member and the two ends of the other said strip being permanently secured to the other member of said supporting and reducing means in such manner that the sides or edges of both members of said fastening and adjusting means formed at the line of bend of said strips are disposed toward the center of the corset in opposed relation to each other and independently of the body of the corset and of the reducing and supporting means, one member of the fastening and adjusting means being provided with one or more apertures for the reception of a hook carried by the other member of said fastening and adjusting means for fastening the members of the supporting and reducing means together and adjusting said means to the form of the wearer, the member provided with apertures being of greater length than the member carrying the hooks to admit of such adjustment.

1,465,105. CORSET. MILLARD VON HALLE, Palisades Park, N. J., assignor to The Standard Corset Company, New York, N. Y., a Corporation of Massachusetts. Filed June 19, 1922. Serial No. 569,343. 2 Claims. (Cl. 2—73.)



1. A corset comprising the usual body parts having suitable means for lacing and fastening these parts together around the body of the wearer and having permanently secured thereto, at a suitable point below the waist line of the corset, means for supporting and reducing the abdomen of the wearer comprising: two parts, one of which is located on one side of the front opening of the corset and the other of which is located directly opposite on the other side of the front opening of the corset, each of these parts consisting of two strips of resilient material and each of the two strips being permanently secured at one end to the corset in oblique relation to the front opening thereof and in oblique and overlapped relation to each other, so that as they recede from said front opening the extent of the overlap is increased, the free ends of these two strips being fastened together to form a straight vertical edge, and an adjusting means secured to said straight edge midway between its top and bottom edges and also at a point in the same horizontal plane to that part of the corset to which said supporting and reducing means is permanently secured.

1,465,106. DEVICE FOR SETTING CALIPERS. THOMAS HYLER WHITE, deceased, late of Thornton Heath, England; by Florence A. White administratrix, Thornton Heath, England, assignor of one-fourth to Charles G. Trosien, Pontiac, Mich., and one-fourth to Elliott J. Stoddard, Highland Park, Mich. Filed Mar. 5, 1921. Serial No. 450,047. 3 Claims. (Cl. 33—173.)



1. The combination of a rule provided with a scale extending along one of the longitudinal edges of the rule and a second scale extending along one of the ends of the rule, a rider adapted to be adjusted to different positions along said first-mentioned scale and having a scale extending transversely with reference to the first-mentioned scale, the scales on the end of the rule and on the rider being arranged at a definite oblique angle to each other for the purpose described.

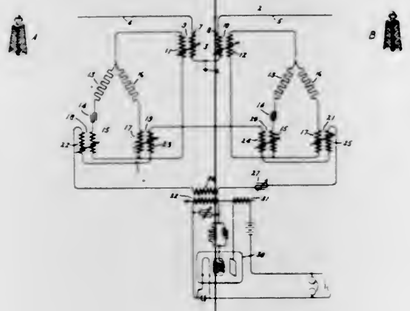
1,465,107. MANUFACTURE OF METAL-COATED PAPER. KATHARINA WICKEL, GEB. HOLECEK, Feucht, near Nuremberg, Germany. Filed Aug. 5, 1922. Serial No. 579,941. 3 Claims. (Cl. 91—70.)

1. As a new article of manufacture a metal-coated paper whose surface consists of metal powder and a binder of bituminous substance.

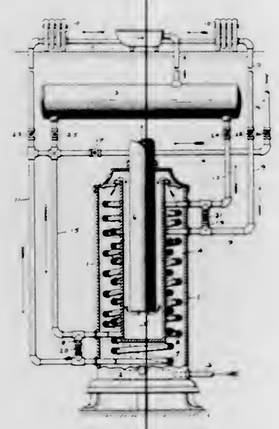
1,465,108. UNIDIRECTIONAL RADIO RECEIVING SYSTEM. ERNST F. W. ALEXANDERSON, Schenectady, N. Y., assignor to General Electric Company, a Corporation of New York. Filed Sept. 16, 1918. Serial No. 254,179. 25 Claims. (Cl. 250—20.)

1. The combination in a radio receiving system of a receiving station, two fixed horizontal receiving antennæ extending in opposite directions from said receiving station, said antennæ serving as the sole means for collecting energy from the ether, a receiving circuit associated with said antennæ and means at the receiving station for shifting the phase of currents impressed from said

antanna upon said receiving circuit so that the currents produced by the desired signals will add in said receiving circuit and currents produced by waves of the same wave length as the signaling wave coming from other directions will be neutralized in said receiving circuit.



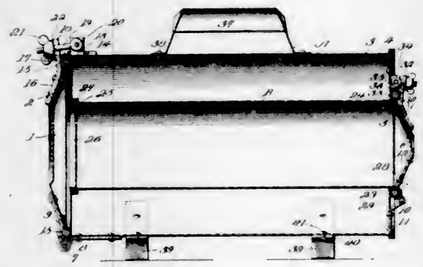
1,465,109. WATER HEATING APPARATUS. ANGUS G. BOGGS, San Francisco, Calif.; Mae Helene Boggs executrix of said Angus G. Boggs, deceased. Filed Nov. 28, 1919. Serial No. 341,307. 3 Claims. (Cl. 237—19.)



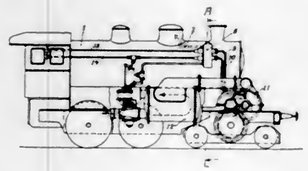
1. A hot-water heating apparatus, comprising, in combination, a horizontally disposed hot-water tank, a vertically disposed coil of pipe connected to said tank, a second coil of pipe within the said first named coil and parallel thereto, radiators connected to said second coil, by-passes connecting said coils, said by-passes provided with valves, and means for heating said coils.

1,465,110. FISH COOLER AND CARRIER. ATWOOD L. BOGGS, Brookline, Mass. Filed Feb. 27, 1922. Serial No. 539,541. 3 Claims. (Cl. 220—9.)

1. A fish cooler and carrier, comprising inner and outer containers, the outer container having one end open with the exception of a circumferential groove, the opposite end of the outer container being provided with an end wall having an opening, the inner container supported within the outer container by the edges of said end wall opening, and means to close the opposite open ends of the two containers.

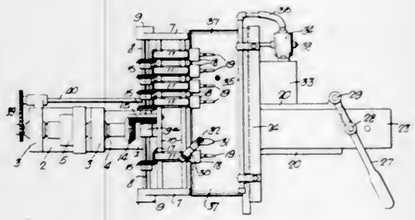


1,465,111. STEAM-DRIVEN LOCOMOTIVE. HEINRICH BOLTSHAUSER, Zurich, Switzerland. Filed Dec. 11, 1920. Serial No. 429,932. 1 Claim. (Cl. 105—38.)



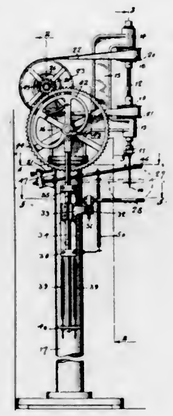
In a steam driven locomotive, the combination of a header for collecting superheated steam, a casing directly joined to said header, a valve in said casing controlling the steam to be supplied for forward running, a separate valve in said casing to control the steam for backward running, and means extending from the engine cab for separately operating said valves.

1,465,112. MULTIPLE TAPPING MACHINE. WILLIAM L. BRUBAKER, Enola, Pa. Filed May 11, 1922. Serial No. 560,063. 2 Claims. (Cl. 10—130.)



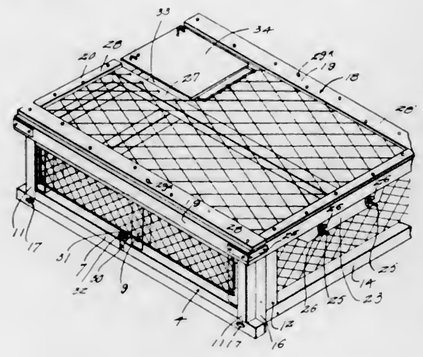
1. The combination of a base; a head mounted on the base; a driven shaft on the head; a transverse frame mounted on the base; rods on the frame; a series of spindle bearings adjustably mounted on the rods; a spindle in each bearing; a longitudinal shaft having its bearings in the frame; gearing through which the said shaft is driven from the shaft on the head; a series of gear wheels adjustably mounted on the longitudinal shaft; gear wheels on the spindles meshing with the adjustable gear wheels, each spindle having a chuck for a tool; a slide on the base; a work carrier on the slide; and means for moving the work carrier towards and from the spindles.

1,465,113. CUTTING MACHINE. HENRY BRUNKEN, Brooklyn, N. Y. Filed Oct. 21, 1921. Serial No. 509,384. 6 Claims. (Cl. 146—6.)



2. The combination with a rotary cutter, of a pivoted work support, and cam controlled means for imparting vertical reciprocation to said work support for the purpose described.

1,465,114. COLLAPSIBLE POULTRY CRATE. ASA S. CALHOUN, Colquitt, Ga. Filed Sept. 29, 1921. Serial No. 504,022. 2 Claims. (Cl. 217—47.)

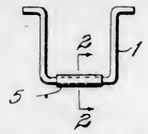


1. A shipping crate comprising side beams, a bottom secured to said beams, side walls hinged to said beams, end walls pivoted to said beams, said side and end walls capable of being folded one upon the other on the bottom wall, a cover receiving the upper edges of the side and end walls, and fastening means carried by the end walls for securing the cover thereto and adapted to pass through the side walls and the cover when the device is in a folded position.

1,465,115. MANUFACTURE OF BUILDING BLOCKS AND BRICKS. FRANK CORDERY, Toledo, Ohio. Filed Mar. 3, 1921. Serial No. 449,516. 2 Claims. (Cl. 106—24.)

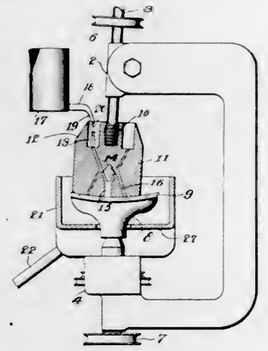
2. As a new article, a building block composed of dried out pulverized slag, Portland cement and magnesium chloride.

1,465,116. CASTING. JOHN A. DEWIRE, Chicago, Ill., assignor to Miller & Pardee, Inc., Chicago, Ill., a Corporation of Illinois. Filed July 24, 1922. Serial No. 577,009. 9 Claims. (Cl. 22—60.)



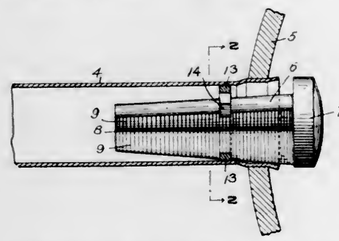
1. The method of die casting an article having a movable element therein, which comprises surrounding the movable element with a member movable with respect to said element and adapted to resist the compression encountered during die casting, and then casting the article around said member.

1,465,117. GRINDER. GILBERT S. DEY, Southbridge, Mass., assignor to American Optical Company, Southbridge, Mass., a Voluntary Association of Massachusetts. Filed Oct. 14, 1919. Serial No. 330,571. 3 Claims. (Cl. 51—131.)



1. A lens grinding machine, including cooperative abrasive lap and lens block, upper and lower spindles operatively and respectively carrying said elements, a bearing for the spindle carrying said block, an abrasive lubricant container supported on said bearing and substantially housing said block and provided with a central arched wall for the reception of the lower extremity of the block, said arched wall adapted for the reception of a tool, with which the lens block may be wedged upwardly whereby said block may be removed.

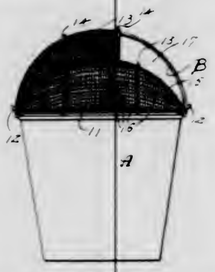
1,465,118. MEANS FOR REGULATING WATER CIRCULATION IN WATER-TUBE BOILERS. SAMUEL E. DIESCHER, Pittsburgh, Pa. Filed Feb. 6, 1920. Serial No. 356,758. 3 Claims. (Cl. 122—406.)



3. In combination with the delivery end of a water tube of a boiler, a flow-restricting plug projecting into the flared end of the tube, comprising a shank having sub-

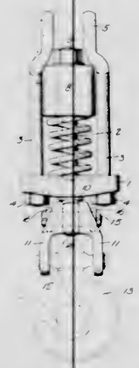
stantially radially extending fins, each having a slot formed therein, and a head integrally formed with said shank and standing away from the end of the tube so as to provide a water delivery space between the tube and the head, and a snap ring located in said slot and adapted to engage the inner face of the tube when the tube is in place in the slot.

1,465,119. GUARD FOR MILK PAILS. JOSEPH M. DOBBINS, Rutledge, Ga. Filed May 8, 1922. Serial No. 559,474. 2 Claims. (Cl. 31—14.)



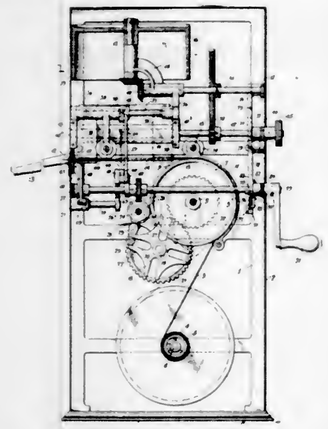
1. A guard for a pail consisting of a substantially horizontally disposed arcuate rod adapted to rest on a pail and provided with attaching hooks at the ends thereof, arcuate members extending upwardly from said rod and terminating in attaching hooks in substantially the same vertical plane with the first mentioned hooks, both sets of hooks being attachable to the bail of the pail, a covering on said rod and members, said covering being omitted at a portion thereof to facilitate engagement of the hand with the said bail while the guard is in place.

1,465,120. SHOCK-ABSORBING ATTACHMENT FOR WELL CASINGS. RALPH EMERSON FAIR, Chattanooga, Tenn., assignor to Lucey Manufacturing Corporation of Tennessee, Chattanooga, Tenn., a Corporation of Tennessee. Filed Oct. 4, 1919. Serial No. 328,450. 2 Claims. (Cl. 267—70.)



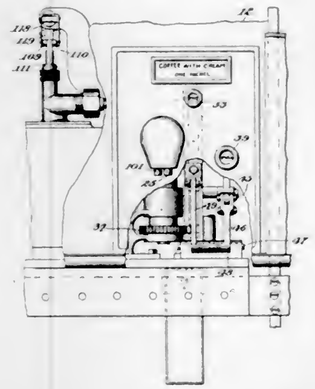
1. In a device of the type set forth the combination of a pair of hangers, a cross bar supported at their lower ends, a stem movable through the cross bar between the hangers, a sleeve having a bearing against the upper end of the stem and terminating short of the cross bar, a helical expansion spring exerting its thrust against the cross bar and the end of the sleeve, the stem having below the cross bar a collar which engages the cross bar to limit the upward movement of the stem and having an eye below said collar, a pin fitted in said eye, and hook supporting links hung from said pin.

1,465,121. TICKET-ISSUING MACHINE. CARL O. FEDDERN, Germantown, Pa., assignor to Globe Ticket Company, Philadelphia, Pa., a Corporation of Pennsylvania. Filed Dec. 4, 1920. Serial No. 428,306. 12 Claims. (Cl. 164—111.)



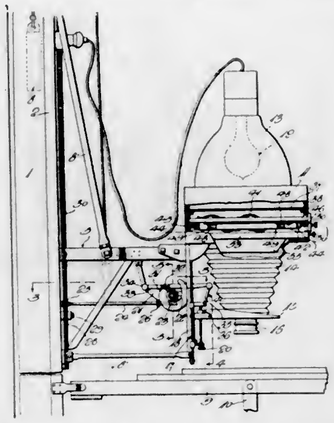
1. In a machine for marking tickets, the combination of means for feeding a ticket strip longitudinally to position a ticket having a series of spaces thereon any one of which may receive a designating mark, and a marking device common to all the spaces on the ticket, the marking device and ticket being relatively movable in a direction longitudinally of the strip to cause registration between the marking device and any selected space on the ticket.

1,465,122. LIQUID-DISPENSING MACHINE. JOHN FRICK, Philadelphia, Pa. Filed May 1, 1922. Serial No. 557,693. 11 Claims. (Cl. 225—21.)



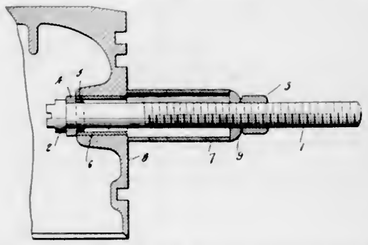
1. A vending machine comprising a plurality of liquid containers, a piston for pumping liquid from one of said containers, a valve for controlling the discharge of liquid from the other container, and manually operable means common to both containers for operating said valve and piston, said means comprising a rock shaft, arms fixedly secured to said shaft, a rack pivotally connected to one of said arms, a pinion connected to said valve and in engagement with said rack, means connected to the other of said arms for actuating said pump piston, and check controlled means for rocking said shaft.

1,465,123. PHOTOGRAPHIC ENLARGING APPARATUS. PAUL FRANKOIS, Nanticoke, Pa. Filed June 15, 1922. Serial No. 568,535. 6 Claims. (Cl. 88—24.)



1. A photographic enlarging apparatus comprising a supporting member, a sensitized paper holder, an illuminating device, negative holder and lens mounted for sliding adjustment upon said supporting member, said lens being movable toward and away from said negative holder, a swinging lever coupled to the mounting for the lens in such a manner as to move the lens toward and away from the negative holder, a cam for swinging said lever to cause it to move the lens toward and away from the negative holder, and gearing interposed between said supporting member and said cam for imparting movement to said cam as said illuminating device, negative holder and lens as a unit are moved upon said supporting member.

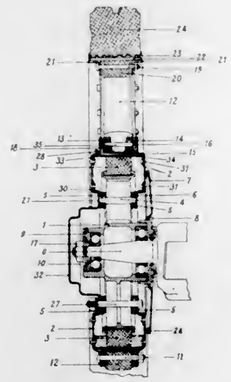
1,465,124. BUSHING REMOVER AND REPLACER. HIRAM E. GARDNER, Jr., Concord, N. H. Filed Mar. 13, 1923. Serial No. 624,765. 3 Claims. (Cl. 29—88.2.)



1. A tool for removing and replacing bushings, the same comprising a threaded member having a head at one end, a set collar removably fitted upon the threaded member and engaging the head thereof which forms a stop, the reduced part of the collar being adapted to enter the bushing and the enlarged part to engage the end of the bushing, and a nut threaded upon the member and adapted to exert a pressure to effect an endwise movement of the bushing.

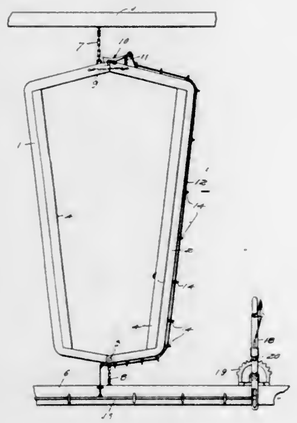
1,465,125. RESILIENT WHEEL. VICENTE GIL-DELGADO, Madrid, Spain. Filed Mar. 31, 1921. Serial No. 457,275. 8 Claims. (Cl. 152—43.)

8. A resilient wheel, including a hub portion, an inner rim having a web connecting it with the hub portion, said web being formed with a plurality of radial slots, a resilient cushion mounted on the inner rim, an intermediate member composed of a rim mounted on the cushion and side plates carried thereby extending inwardly, adjacent the web and formed with a plurality of slots corresponding in number with the radial slots, registering therewith and disposed at right angles thereto, wear receiving elements mounted in the web and



side plates contacting to provide a sliding joint for preventing axial movement of the intermediate member on the hub portion, a bar movably mounted in each radial slot and the respective slots in the side plates providing a driving connection between the hub and intermediate member, and an outer rim mounted on said intermediate member.

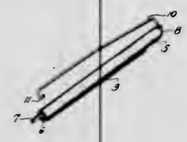
1,465,126. STANCHION. GARDNER L. GOODRIDGE, East Stanwood, Wash. Filed Feb. 10, 1921. Serial No. 443,922. 1 Claim. (Cl. 119—149.)



A stanchion made in separable sections, one of the sections having a recess, a latch pivoted to the other section, a lug on one end portion of the latch to enter said recess, the other end portion of the latch being deflected away from the adjacent section, a spring interposed between the said deflected end portion of the latch and the adjacent section to normally maintain the latch engaged in said recess and a draw member secured to said deflected end portion of the latch crossing the line of permanent connection of the sections and operable to

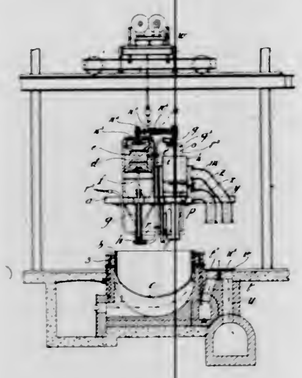
move said latch out of said recess, and guide means for the draw member on said sections to insure pull on the draw member substantially in the line of opening of the section to which the latch is pivoted.

1,465,127. HAIR CRIMPER AND CURLER. FREDRICK H. GRIFFITH, Johnstown, Pa. Filed Dec. 4, 1922. Serial No. 604,786. 1 Claim. (Cl. 132—41.)



A hair curler including a cylindrical body equipped with terminal projections one of which is coincident with the longitudinal axis of the body and provided with an aperture and the other offset from said axis, and a wire strand one end of which is formed to provide an eye for engagement through the aperture of the first said projection and the opposite end formed to provide a hook for engagement with the other projection.

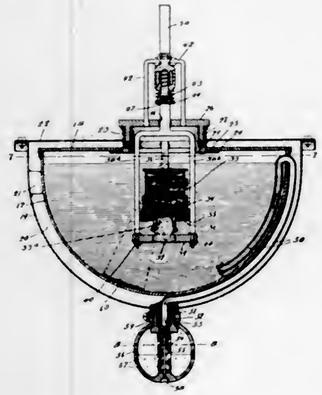
1,465,128. APPARATUS FOR REFINING METALS. HENRY HARRIS, London, England. Filed Feb. 16, 1922. Serial No. 537,009. 7 Claims. (Cl. 266—34.)



1. Apparatus for refining molten metal by passing it through a molten reagent, comprising a melting pot for the metal, a framework adapted to be lowered to rest on the melting pot, a container for the molten reagent carried by the framework, means carried by the framework and immersed in the molten metal for raising the latter and delivering it into the container, and a passage between the bottom of the container and the melting pot.

1,465,129. AUTOMATIC SELF-CONTAINED FIRE EXTINGUISHER. MICHAEL F. HAYES, Boston, Mass. Filed July 8, 1921. Serial No. 483,309. 4 Claims. (Cl. 169—27.)

1. An automatic, self-contained, fire extinguisher having a container for fire-extinguishing fluid formed with a neck, an externally-carried spraying device in communication with the interior of said container, a plug removably secured in the neck of said container, an inverted, normally-sealed, acid bottle held in said container beneath said plug, spring-pressed, bottle-unsealing means slidably extended through said plug into said container,



and temperature-responsive means disposed above said plug arranged normally to restrain said spring-pressed means from operation.

1,465,130. AUTOMATIC SCISSORS. LON HERNON, Honolulu, Territory of Hawaii. Filed June 20, 1923. Serial No. 646,669. 4 Claims. (Cl. 30—1.)

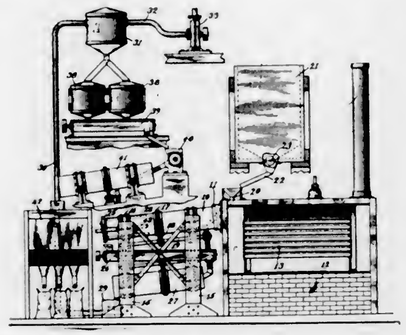


2. A portable mechanically operated scissors, comprising a relatively flat substantially elliptical casing of a size and perimetric contour to fit the hand when grasped by the latter, a pair of scissors blades supported and extending from one end of the casing in substantial alignment therewith and pivoted together beyond the casing, and actuating means within said casing for operating said blades to produce a cutting action.

1,465,131. METHOD OF PRODUCING CHARCOAL AND APPARATUS THEREFOR. STANLEY HILLER and LOUIS A. CLARKE, San Jose, Calif., assignors to The Pacific By-Products Company, San Jose, Calif., a Corporation of California. Filed Jan. 12, 1921. Serial No. 436,710. 6 Claims. (Cl. 202—2.)

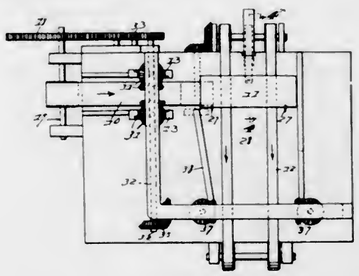
1. A process of producing charcoal from fruit pits, which consists in continuously feeding the raw material

to the kiln, charring the same therein by its own combustion under normal atmospheric conditions while it



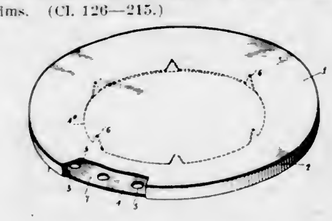
is being passed through the kiln, and then agitating and aerating the same to thoroughly complete the oxidation thereof.

1,465,132. BRICK-CLEANING MACHINE. JOHN HOFFMANN, Sheboygan, Wis. Filed Apr. 25, 1922. Serial No. 556,483. 5 Claims. (Cl. 125—26.)



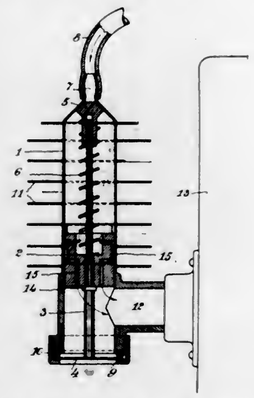
1. A brick cleaning apparatus having main and secondary conveyors disposed for operation in paths arranged in perpendicular relation, cleaning members arranged at opposite sides of each of said conveyors for acting upon the exposed outer surfaces of bricks carried therebetween, and a transfer mechanism for receiving bricks from the main or primary conveyor and depositing them upon the supplemental or secondary conveyor.

1,465,133. HOT PLATE. LEMOTT D. HUBBARD, Utica, N. Y. Filed Sept. 5, 1922. Serial No. 586,359. 3 Claims. (Cl. 126—215.)



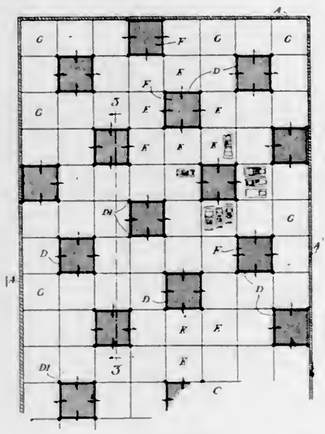
1. A hot-plate comprising an upper imperforate wall provided with a peripheral flange and a lower wall having a peripheral flange and a flame opening surrounded by a plurality of spacing lugs, said upper wall being arranged with its flange telescoped upon the flange of said lower wall, enclosing a flame chamber, the lugs of said lower wall contacting with said upper wall and spaced apart affording communication between said flame opening and said flame chamber.

1,465,134. APPARATUS FOR PREVENTING THE BURSTING BY FREEZING OF RADIATORS FOR MOTOR CARS AND THE LIKE. GUSTAF EMIL JONSSON, Halmstad, Sweden. Filed Apr. 13, 1922. Serial No. 552,323. 4 Claims. (Cl. 137—71.)



3. Apparatus for preventing the bursting by freezing of radiators for motorcars and the like comprising a cylinder arranged in the circuit of the cooling water of the radiator and fixed thereto, a number of radiating flanges provided at the outside of said cylinder, a movable plunger arranged in the cylinder and provided with a number of channels, a spindle like extension fixed to the plunger and a disk like member of easily breakable material in the path of movement of said spindle.

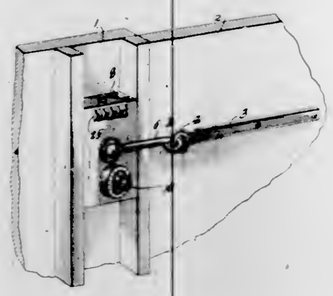
1,465,135. STORAGE BUILDING. CYRUS KEHR, Washington, D. C. Filed Nov. 3, 1922. Serial No. 598,817. 43 Claims. (Cl. 214—16.)



1. In a building, the combination of a plurality of superposed floors, one of which floors is divided into a plurality of section groups each comprising an elevator

section and storage sections radiating from the elevator section and said section groups being nested or intermeshed, and elevators associated with said elevator sections, substantially as described.

1,465,136. CAR LOCK. ARTHUR KLEIN, Poughkeepsie, N. Y. Filed July 20, 1922. Serial No. 576,327. 2 Claims. (Cl. 70—6.)



1. In combination, a case, a permutation lock in said case including a bolt, said case provided with an opening adapted to register with the bolt when the same is in an extended and locking position, a lever fulcrumed in the casing, means for holding the lever normally so that one end will register with the opening, a member adapted to be projected through said opening for engagement with the lever so as to actuate the same and to be engaged by the bolt so as to prevent its removal, a dog pivotally mounted on the other end of the lever, and a recording mechanism actuated by the dog upon rocking of the lever in the manner and for the purpose specified.

1,465,137. METHOD OF WATER PURIFICATION. WILFRED F. LANGELIER, Berkeley, Calif. Filed Feb. 25, 1920. Serial No. 361,295. 4 Claims. (Cl. 210—23.)

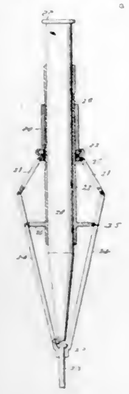
1. A method of water or sewage purification comprising adding to the water or sewage a soluble aluminum salt and using an acid material which will yield ionic hydrogen to assist the coagulation and subsequent sedimentation resulting from the added salt.

1,465,138. WET CHLORIDIZING VOLATILIZATION PROCESS. HARAI R. LAING, San Francisco, Calif.; Hattie F. Laing administratrix of said Harai R. Laing, deceased. Filed Nov. 19, 1920. Serial No. 425,158. 6 Claims. (Cl. 75—18.)

1. In a method of chloridizing volatilization the steps which consist in grinding the ore in a chloridizing solution, removing the surplus solution, precipitating the dissolved values from the solution, and then subjecting the ore to a temperature sufficient to volatilize the remaining values.

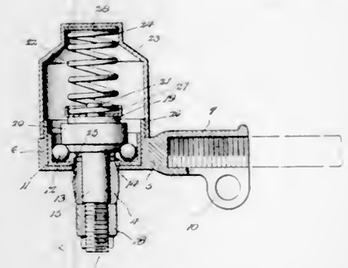
1,465,139. NAIL SET AND HOLDER. RALPH L. LONG, San Diego, Calif. Filed Oct. 25, 1922. Serial No. 596,786. 2 Claims. (Cl. 1—5.)

2. A nail setting and holding device having a guide sleeve and a nail impelling plunger slidingly fitted therein, and nail holding jaws carried by the sleeve for engaging and supporting a nail in a position in alignment with the path of movement of said plunger, said jaws being provided with levers pivotally mounted upon the sleeve, and means for adjusting the levers to vary the relation between the jaws, and consisting of a follower ring mounted for movement on the sleeve and having link connections with



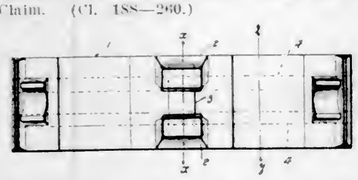
the said levers, and a thimble having a threaded engagement with the sleeve and a swivel connection with said follower ring.

1,465,140. JOINT FOR AUTOMOBILE STEERING DEVICES. DAVID LUMSDEN, Sikeston, Mo. Filed Apr. 17, 1922. Serial No. 553,757. 2 Claims. (Cl. 287—90.)



1. The combination with a spindle arm, and a connecting rod of a steering mechanism, of a cup secured on the end of the connecting rod with its bottom parallel with the horizontal plane of the axis of the rod, a bearing fitted in said cup on the bottom thereof, a pivot bolt inserted vertically through said bearing and secured in the end of the spindle arm below the cup, a yieldable pressure device bearing at its lower end upon the said pivot bolt, and a retaining cup secured upon the cup and seating the upper end of the pressure device.

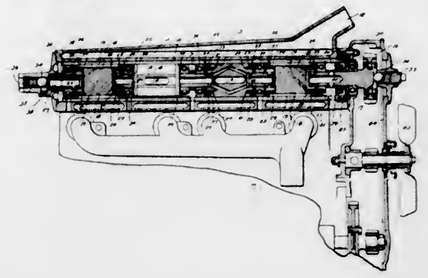
1,465,141. BRAKE SHOE. EDWARD W. MCDONALD, Talladega, Ala. Filed June 8, 1921. Serial No. 475,976. 1 Claim. (Cl. 188—260.)



A cast metal brake shoe having the entire area of its face and sides chilled, whereby to resist wear and prevent the gripping of the tread and flange of a car wheel, steel

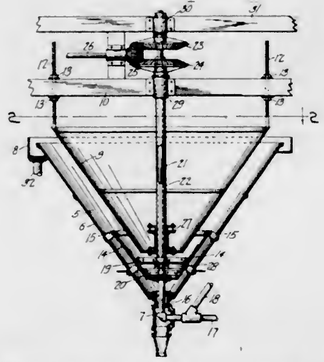
rods embedded in said shoe at opposite sides of its longitudinal medial line and extending from end to end of the shoe, fastening hooks on the rear side of said shoe, a steel strap cast with the shoe and extending along the inner side of the fastening hooks and across the space between the end of said hooks, and said steel strap straddling said steel bars and having its ends outturned.

1,465,142. INTERNAL-COMBUSTION-ENGINE VALVE. THOMAS M. MCKELVY, Fresno, Calif., assignor to McKelvy Rotary Valve Co., Fresno, Calif., a Corporation. Filed Sept. 12, 1921. Serial No. 500,029. 8 Claims. (Cl. 123—190.)



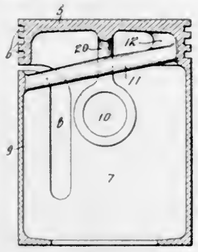
1. A valve for internal combustion engines consisting of a plurality of members or sections of ported construction arranged in coaxial alignment and terminal and intermediate spindle members having terminal interlocking connection with said valve members or sections, the spindle members being of tubular construction and the valve members or sections being provided with channels or ducts in communication with the bores of said spindle members to establish a continuous lubricating conductor throughout the series.

1,465,143. ORE CONCENTRATOR. JOHN I. MULLEN, Naturita, Colo. Filed Sept. 13, 1921. Serial No. 500,328. 12 Claims. (Cl. 88—82.)



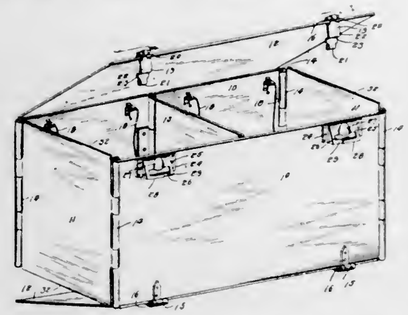
1. In an ore concentrator, the combination of an outer cone and an inner cone forming an annular channel for grading ore particles carried in an aqueous medium into concentrates and tailings, an overflow conduit disposed to receive material passing across the upper edge of the outer cone, an intermediate cone dividing the lower portion of the channel into receiving and discharge compartments, means revolving in opposite directions in said receiving compartments for agitating the pulp, and means for receiving pulp to and discharging pulp from the respective compartments.

1,465,144. PISTON. ADOLPH L. NELSON, Indianapolis, Ind., assignor of one-third to Charles S. Crawford, Indianapolis, Ind. Filed Mar. 7, 1921. Serial No. 450,190. 6 Claims. (Cl. 74—108.)



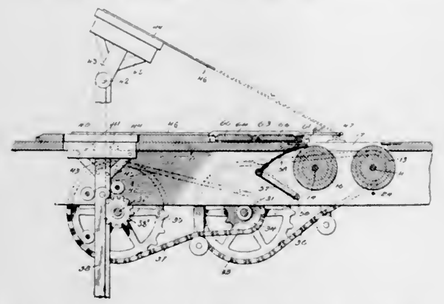
1. A piston comprising a head and a skirt, the skirt being provided with slits extending from a point near the head circumferentially and then longitudinally alongside of the wrist-pin bearings, and means for bracing each of the separated portions of the skirt independently of the other, substantially as set forth.

1,465,145. FOLDABLE EGG CASE. LEE H. PARK, Seattle, Wash. Filed Apr. 14, 1921. Serial No. 461,185. 4 Claims. (Cl. 220—7.)



3. A device of the class described having a tongue and a keeper to secure a part in closed position, said keeper having overlapping fingers, and said fingers being adapted for threaded engagement with said tongue.

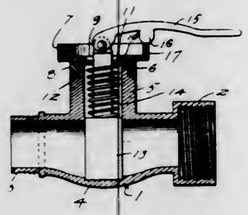
1,465,146. MOTOR-TRUCK UNLOADER. WILLARD A. PETTEYS, Wilcox, Nebr. Filed Apr. 20, 1920. Serial No. 375,249. 5 Claims. (Cl. 187—9½.)



3. In an apparatus of the class described, a supporting body, a platform for receiving the forward wheels of the motor driven vehicle and swingingly coupled to said body,

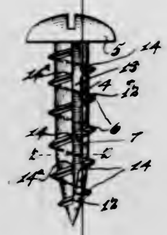
a pair of rearwardly extending bars connected at their forward ends in proximity to each side of said platform and having their rear ends merging into each other, means for swingingly coupling the rear ends of said bars to said body and means operated by the motor of a vehicle for actuating the means for causing said platform to swing upon its coupling.

1,465,147. VALVE. ULRICH REIDT, Los Angeles, Calif. Original application filed Apr. 24, 1920, Serial No. 376,347. Divided and this application filed May 11, 1921. Serial No. 468,791. 1 Claim. (Cl. 251—134.)



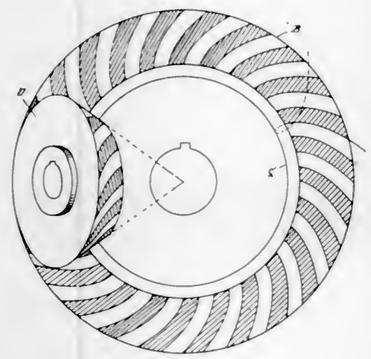
A valve comprising a body having a longitudinal opening therethrough, said body having a depression at its inner lower side, a neck formed on the upper side of said body and in alignment with the depression, a gate slidably mounted in said body and neck and adapted to seat in said depression, a closure for said neck having an inner annular horizontally extending flange and a vertically extending annular flange, a diaphragm resting on the upper end of said neck and secured in place by said horizontal flange, a stem on said gate and passing upward through an opening in said diaphragm, a spring surrounding said stem and bearing at its ends against the diaphragm and gate and normally holding said gate in closed position, and a handle pivoted to the outer end of the stem and having a lug bearing on the vertical flange and forming a fulcrum.

1,465,148. SCREW. HEYMAN ROSENBERG, New York, N. Y. Filed Jan. 18, 1917. Serial No. 143,025. 3 Claims. (Cl. 85—41.)



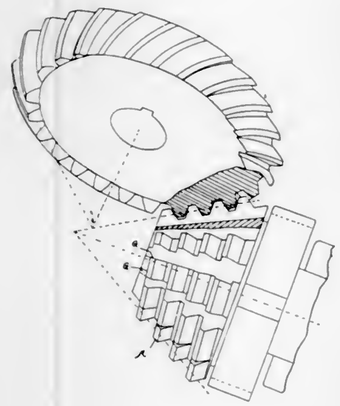
1. A screw-thread fastening having a body and thread substantially the same in contour as a conventional wood screw, the thread being hardened sufficiently for entering into metal such as ordinary soft iron or soft steel substantially without injury to the threads.

1,465,149. GEAR. NIKOLA TRBOJEVICH, Detroit, Mich. Filed Jan. 3, 1922. Serial No. 526,510. 8 Claims. (Cl. 74—41.)



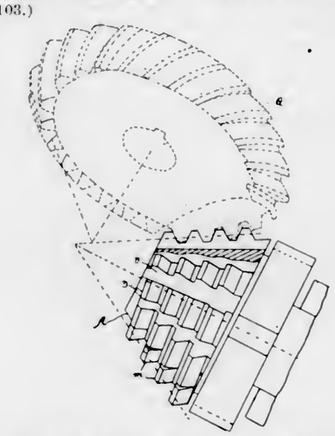
1. A bevel gear of a form such as might be generated by rolling a conical blank upon a crown gear, the latter having a series of teeth which are longitudinally of modified involute curvature and are non-parallel.

1,465,150. METHOD OF FORMING SPIRAL BEVEL GEARS. NIKOLA TRBOJEVICH, Detroit, Mich. Filed Jan. 3, 1922. Serial No. 526,511. 8 Claims. (Cl. 90—5.)



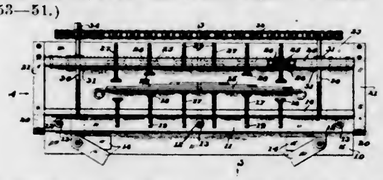
1. The method of generating spiral bevel gears having teeth which are longitudinally non-parallel and of modified involute form, which consists in selecting a tapering spiral hob of a form which may be generated by the movement of a rack element of constant pitch in acute angular relation to the curves, in relatively rotating the hob and the gear blank in predetermined timed relation and in also imparting a relative movement of translation about the apex of the pitch cone of the blank.

1,465,151. HOB. NIKOLA TRBOJEVICH, Detroit, Mich. Filed Jan. 3, 1922. Serial No. 526,512. 9 Claims. (Cl. 29—103.)



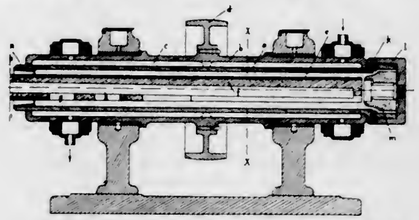
1. A hob or cutter for the generation of spiral bevel gears comprising a tapering helix which in development and in comparison with the development of the gear generated thereby has longitudinal tooth curves traced by points equispaced from lines rolling on the base circles respectively of the hob and gear.

1,465,152. SPRING-FORMING DEVICE. CHARLES J. WILLIAMS and THOMAS SKINNER, Thermopolis, Wyo. Filed May 16, 1922. Serial No. 561,451. 1 Claim. (Cl. 153—51.)



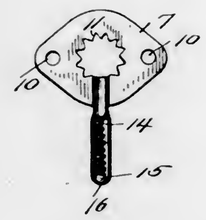
A spring-forming device comprising a base, frames mounted upon said base, means to move the frames toward and from each other in continued parallelism, means carried by the frames for setting to adjustment to provide curvature of an interposed spring, and a plurality of shims mounted adjacent the frame corresponding in thickness to half the standard variations in widths of springs adapted to be inserted and superposed selectively beneath the frame to raise the frame adjustably to accommodate springs of different standard widths.

1,465,153. MACHINE FOR THE MANUFACTURE OF PIPE BY THE ACTION OF CENTRIFUGAL FORCE. PIERRE ALLARD, Paris, France. Filed Jan. 18, 1921. Serial No. 438,165. 7 Claims. (Cl. 22—65.)



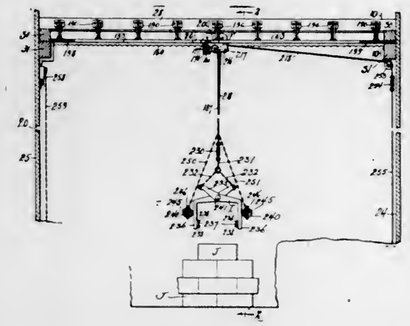
1. In a machine for centrifugally casting pipe, a rotatable metallic mold and means stationary within the mold having a metal discharge orifice at its bottom increasing in width toward its far end.

1,465,154. INTERNAL-COMBUSTION ENGINE. ERNEST O. ATWOOD, Boise, Idaho, assignor, by mesne assignments, of one-half to Atwood Gas Saver Company, a Corporation of Idaho, and one-half to J. W. Mehargue, both of Boise, Idaho. Filed June 26, 1922. Serial No. 571,002. 2 Claims. (Cl. 48—180.)



2. In an internal combustion engine, a fuel mixture conduit having a portion thereof arranged in heat-receptive relationship to the engine and provided with an integral connecting flange surrounding the gas passage therethrough, the wall of said gas passage through said flange being serrated, said flange being constructed with a channel leading from said gas passage to the peripheral edge of said flange, a tubular member seated in said channel and frictionally engaging the walls thereof, said tubular member being open at its outer end to the atmosphere and provided with an inwardly opening check valve.

1,465,155. CONVEYER APPARATUS. THOMAS BRADY, Bayonne, N. J. Filed July 21, 1920. Serial No. 397,879. 9 Claims. (Cl. 212—77.)

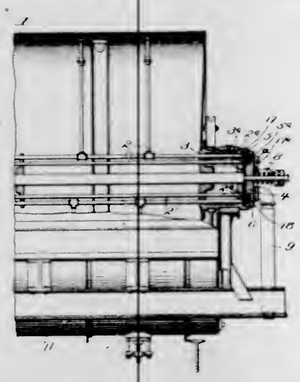


1. The combination of a plurality of tongs, each comprising a pair of swinging jaws, each jaw having a member on opposite sides of its swinging axis, means to simultaneously actuate the members of the jaws on one side of the axes and means to simultaneously actuate the members on the opposite side of said axes.

1,465,156. FILTER. JOHN WM. BUCHER, Denver, Colo. Filed Sept. 3, 1919. Serial No. 321,377. 4 Claims. (Cl. 210—202.)

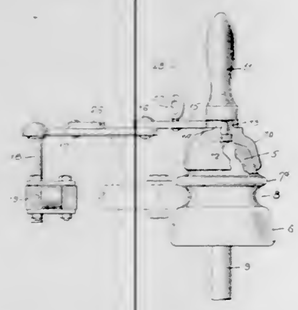
1. In a rotary filter of the class described, a revolving ported member, a stationary valve member co-operating therewith and having an arc shaped recess to align with

the ports of said revolving member, pipes connected to opposite ends of said recess, a slidable gate in said recess



intermediate the ends thereof, and means for adjusting said gate from the exterior of the valve without interrupting the motion of the filter.

1,465,157. APPARATUS FOR SHAPING INSULATORS. LORENZO C. BUCKLEY, Lisbon, Ohio, assignor to The R. Thomas & Sons Co., East Liverpool, Ohio, a Corporation of Ohio. Filed Dec. 14, 1922. Serial No. 606,915. 7 Claims. (Cl. 25—24.)



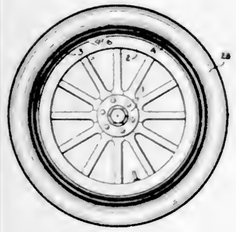
1. A shaping tool for pin type insulators, comprising a cup adapted to fit the head of a pre-formed insulator blank, and a lateral shaper pivoted with relation to the cup and adapted to bear against the side of the blank during its rotation.

1,465,158. HITCH. RAYMOND E. CLASSON, Radcliffe, Iowa. Filed May 24, 1921. Serial No. 472,259. 2 Claims. (Cl. 280—33.16.)



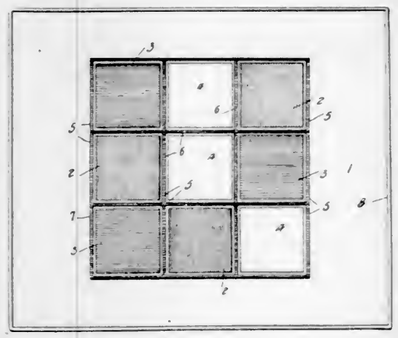
1. A hitch of the class described comprising a yoke-shaped frame having slots in its side bars, a cross bar having its ends located in said slots, a draw bar connected with said cross bar, a spring on said draw bar having its ends engaging said cross bar and the bight of the yoke frame, a draft hook pivotally mounted in the yoke frame, a trigger for holding the same in locking position, a rod connected with the cross bar and a nut adjustable on the rod for engaging a part of the trigger to move the same into releasing position when the draw bar and cross bar are moved.

1,465,159. DEMOUNTABLE RIM. SAMUEL S. DAVIS, Bloomfield, Mo. Filed June 24, 1921. Serial No. 480,125. 8 Claims. (Cl. 301—19.)



1. In a vehicle wheel, a demountable rim, a fixed rim, spaced openings in the fixed rim, spaced lugs depending from the inner face of the demountable rim and projecting through said openings, and lugs projecting inwardly from the rims and adapted to be secured together, one of the rims having a portion of its periphery cut away, the cut out portion receiving the lug of the other rim.

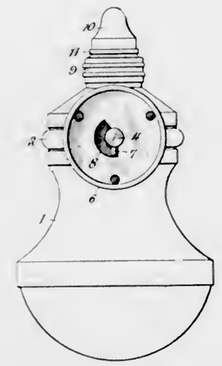
1,465,160. GAME. MICHAEL M. DI LUCHIO, Wilmington, Del. Filed June 15, 1922. Serial No. 568,449. 2 Claims. (Cl. 46—64.)



1. A game board having squares, said squares being arranged in rows of three alining longitudinally, transversely and diagonally, said squares being of three different colors and having a row of the squares of all of the colors arranged transversely, another longitudinally and another diagonally, the squares being otherwise disalined relatively to their colors, and game pieces to cooperate with the squares.

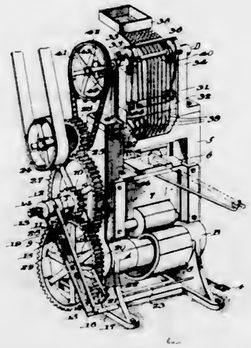
1,465,161. SOAP DISPENSER. KARL A. DOLGE, Westport, Conn. Filed Feb. 19, 1921. Serial No. 446,279. Renewed Feb. 14, 1923. 5 Claims. (Cl. 221—94.)

1. In a liquid dispensing device, the combination of a liquid container of increased size at its lower end, a circumferential recess formed in the upper outer surface of the container, a band that seats in the recess and having forwardly reaching portions that are separated from each other by a slight intervening space, a finger portion confined in the space and secured to the forwardly reaching portions of the band, a shank formed integral in the rear of the band, a collar surrounding a



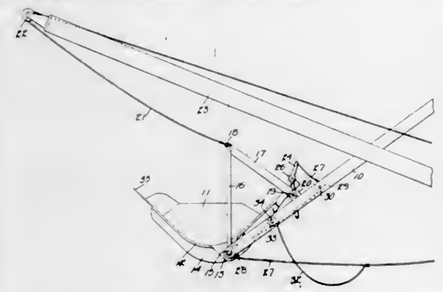
portion of the shank, a base formed on the collar, an arcuate slot formed in the base, and a projection formed on the end of the shank for limiting movement of the shank with respect to the collar.

1,465,162. COMBINED BROOM PRESSING AND NAILING MACHINE. GEORGE W. DUVALL, Davenport, Iowa, assignor to United States Broom Company, Davenport, Iowa, a Corporation of Iowa. Filed June 27, 1921. Serial No. 480,715. 6 Claims. (Cl. 300—13.)



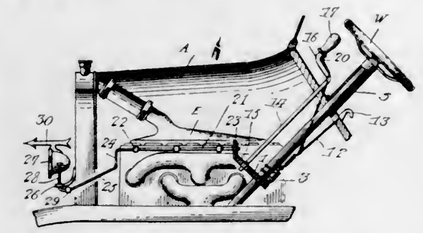
3. In a broom pressing and nailing machine, the combination with a frame, of a continuously rotating shaft, gearing driven continually thereby a compression or sliding head, a cam for actuating said head, means for imparting a single rotation to said cam from said continuously rotating gearing for compressing a broom, and intermittent means driven by said continuously rotating gearing for driving nails in a broom while under compression from said sliding head, said last-mentioned means automatically actuated by the compressing movement of said sliding head.

1,465,163. DREDGE BUCKET. JOSEPH E. EDWARDS, Memphis, Tenn. Filed Apr. 11, 1922. Serial No. 551,591. 11 Claims. (Cl. 214—140.)



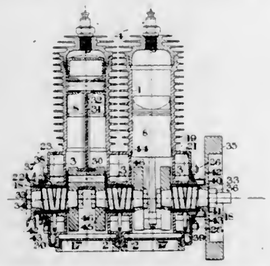
1. In a dredge, a dipper stick, a bucket pivoted thereon having a shell-shaped bottom, a pivot slightly in rear of the bottom and underneath the bucket whereby the same will be completely inverted under the action of gravity, substantially as set forth.

1,465,164. ADJUSTABLE HEADLIGHT AND DIRECTION INDICATOR FOR AUTOMOBILES. JOSEPH ERNEST EMOND, Windsor Mills, Quebec, Canada. Filed Jan. 18, 1922. Serial No. 530,106. 4 Claims. (Cl. 74—39.)



1. In a vehicle, a steering post, a gear mounted on said post, a rod adjacent said post, a second gear at one end of said rod and meshing with the first named gear, an indicator mounted upon said vehicle, means for actuating said indicator when the rod is moved, said connection comprising a shaft connected at one end with the indicator and carrying at its outer end a pinion meshing with the second named gear.

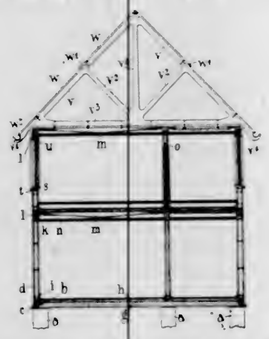
1,465,165. INTERNAL-COMBUSTION MOTOR. GEORGE HALL-BULLOCK, London, England, assignor to Arthur Marks Coulson, London, England. Filed Jan. 14, 1922. Serial No. 529,308. 17 Claims. (Cl. 123—195.)



7. An internal combustion engine, including a plurality of cylinder units having the crank case of each unit formed at each end to register with the corresponding

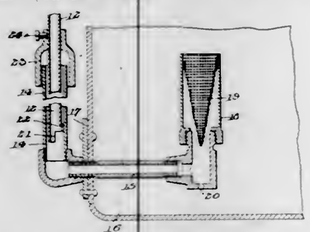
ends of the crank cases of adjacent units, the crank case of each unit being also formed with partition walls spaced from each other and the ends of the unit to form a central housing for the movable parts of the cylinder unit, and the outer ends being open and adapted to form a lubricating chamber with the open ends of adjacent cylinder units, the crank case of each unit being further formed at the sides thereof with double walls, the space between the walls opening into the lubricating chambers thereof, and means for assembling the units in engine forming relation.

1,465,166. CONCRETE BUILDING. JOHN FREDERICK MATTHEWS, Dover, England. Filed June 16, 1920. Serial No. 389,429. 4 Claims. (Cl. 72—1.)



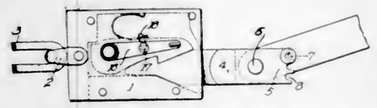
1. A reinforced concrete building of the type referred to, comprising a base member adapted to support the outer wall slabs and having apertures formed at suitable intervals therein to support wall studs and floor joists, concrete floor slabs supported upon said joists, skirtings round the outer edges of said floor slabs, inner wall slabs supported on said skirtings, reinforced concrete cornices resting on the wall studs and inner wall slabs, upper floor slabs resting on said cornices substantially as described.

1,465,167. OILING DEVICE. FREDERICK MILLER, Utica, N. Y. Filed May 1, 1922. Serial No. 557,606. 1 Claim. (Cl. 184—103.)



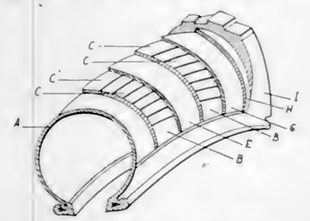
An oiling attachment for the crank case of a motor comprising a cylinder having its bottom connected with the interior of the crank case, a pipe extending into the cylinder and having a notch in its lower end, a projection on the pipe for holding the notched end thereof away from the walls of the cylinder, a hood on the pipe covering the upper end of the cylinder, a supply tank connected with the upper end of the pipe, an open top cylinder arranged in the crank case and being provided with an opening in its bottom to cause the oil level in the crank case to be approximately the same height of the oil level in the first mentioned cylinder, a pipe establishing communication between the cylinders and a screen covering the open end of the last mentioned cylinder.

1,465,168. HITCH. FRED MONROE MORRIS, Pascagoula, Miss. Filed Dec. 3, 1921. Serial No. 519,696. 1 Claim. (Cl. 280—33.15.)



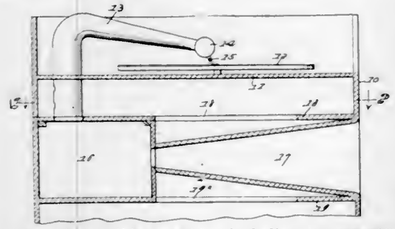
A tractor hitch of the character described comprising a casing having a slot arranged therein and being provided with a receiving opening entering one end thereof, said opening having a beveled wall, a dog pivotally secured with the casing, a spring adapted to press the dog toward the beveled wall, an arrow shaped member adapted to cooperate with the beveled wall of the opening and said wall being so designed to guide said arrow-shaped member inwardly to engage the pivoted dog, a lever pivotally secured to one side of the casing and a pin passing through the slot and connecting the pivoted dog with the pivoted lever as and for the purpose specified.

1,465,169. PNEUMATIC TIRE. FRANKLIN ORIVE MURO, Buenos Aires, Argentina. Filed Jan. 13, 1923. Serial No. 612,489. 1 Claim. (Cl. 152—18.)



A pneumatic tire comprising a fabric layer; a series of armoured strips extending transversely across said layer in spaced, parallel relation; a layer of rubber on said armoured strips; a second series of spaced armoured strips arranged transversely across the layer of rubber and overlapping the strips of the first layer, said strips each comprising a backing strip having metal plates secured thereto; and a tread for said tire.

1,465,170. SOUND-REFINING BOX. WILLIAM V. OGREN, Columbus, Nebr., assignor of one-half to Charley D. Prench, Columbus, Nebr. Filed July 14, 1922. Serial No. 574,912. 2 Claims. (Cl. 274—2.)



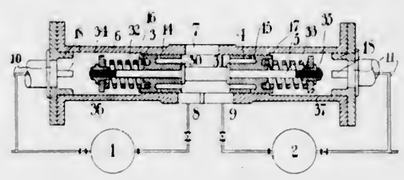
1. A cabinet talking machine including a compartment, a sound receiving tone chamber enclosed within and occupying a portion of the horizontal area at the rear of said compartment and spaced intermediate the upper and lower walls of the compartment, spaced parallel vibrating walls connecting the front wall of the sound receiving tone chamber and the front wall of the compartment and provided with openings substantially smaller than the horizontal area of the compartment, and an amplifier connected to the front wall of the tone chamber and communicating with the interior thereof and with an opening in the remote front wall of the compartment.

1,465,171. LUBRICATING SYSTEM. CHARLES ALGERNON PARSONS, STANLEY SMITH COOK, and LOUIS MORTIMER DOUGLAS, Newcastle-upon-Tyne, England; said Douglas and Cook assignors to said Parsons. Filed Mar. 29, 1921. Serial No. 456,643. 7 Claims. (Cl. 184—6.)



7. In a lubricating system, in combination a distributing valve having a casing, two pistons connected together fitted within said casing, an inlet in said casing communicating with the space between the pistons, and two outlets in said casing communicating with the same space, two coolers, pipes fitted between the outlets of the distributing valve and the inlets of the coolers, and pipes leading from the outlets of the coolers to the space in the casing at the outer end of the pistons.

1,465,172. LUBRICATING SYSTEM. CHARLES ALGERNON PARSONS, STANLEY SMITH COOK, and LOUIS MORTIMER DOUGLAS, Newcastle-upon-Tyne, England; said Cook and said Douglas assignors to said Parsons. Filed Sept. 21, 1921. Serial No. 502,199. 3 Claims. (Cl. 184—6.)



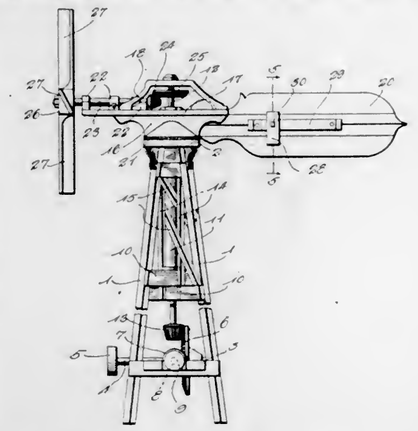
2. A distributing valve comprising in combination a casing, two pistons fitting within said casing, said pistons being mounted on a common spindle so as to be capable of sliding along said spindle, yieldable means tending to force said pistons together and flanges on said spindle to limit the inward motion of said pistons.

1,465,173. METHOD OF ELECTRODEPOSITING COBALT AND CHROMIUM. HARRY CREIGHTON PEFFER and HARRIE CLARK PIERCE, La Fayette, Ind., assignors to James Clarence Patten, Kokomo, Ind. Filed Aug. 5, 1920. Serial No. 401,486. 6 Claims. (Cl. 204—2.)

1. The method of obtaining deposits of cobalt chromium alloy resistant to the action of practically all atmospheric conditions and practically immune to the action of all organic and mineral acids, which consists in passing an electric current thru a bath containing chormium and cobalt compounds, the temperature of the bath and the current density being so controlled as to produce a hard adherent deposit of cobalt and chromium.

1,465,174. WINDMILL. JOHN M. PORTER, Wilmington, N. C. Filed June 8, 1922. Serial No. 566,809. 4 Claims. (Cl. 170—80.)

1. In a windmill, a tower having a bearing platform at its upper end, a sleeve disposed vertically in said tower and extending through and above said bearing platform, a head upon said platform rotatable about the extended upper end portion of said sleeve, a vertically disposed shaft rotatable in said sleeve and extended above the sleeve and through and above said head, yokes extending longitudinally of said head upon opposite sides of the extended upper end portion of said shaft, a bearing element for the upper end of said shaft carried by said yokes, a drive shaft rotatably mounted and extending longitudinally of said head, a wind operated propeller upon the outer end of said drive shaft, and means for transmitting rotary movement from said drive shaft to said vertically disposed shaft.



1,465,175. LAUNDRY CLOTHES STICK. ARTHUR S. PRATT, Lincoln Place, Pa. Filed May 20, 1921. Serial No. 471,128. 1 Claim. (Cl. 68—6.)

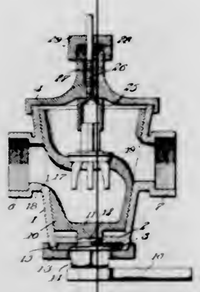


A clothes stick comprising a staff shaped at one extremity to provide a grip portion, and a hook element secured to the handle at the end remote from the grip portion, and consisting of a base plate of flat form secured to the staff and formed with a tongue disposed at an acute angle to the axis of the staff and turned in the direction of the grip portion to form an under cut lifting surface and an outer bearing surface flush with the extremity of the staff, the tongue being rectangular in cross section and of tapering width and thickness.

1,465,176. VALVE. HARMON L. RAULERSON, Okeechobee, Fla., assignor of one-half to Stanley J. Thibodeaux, Okeechobee, Fla. Filed Aug. 2, 1922. Serial No. 579,229. 1 Claim. (Cl. 277—25.)

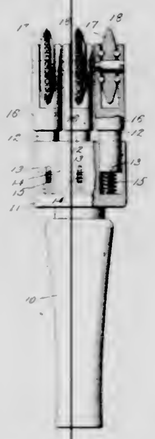
A valve casing having a tapered central bore closed at its narrow end by an integral bottom partition spaced inwardly from the lower edge of the bore, a hollow tapered core engaged in the bore and presenting a threaded extension protruding through the said bottom partition,

valve means within the core including inlet and outlet passages in line with corresponding passages in the valve casing, a cap plate detachably engaging the casing over the lower end of the said bore and presenting an enlarged opening through which the extension of the core is ex-



posed, an adjusting nut having a flanged portion confined between the said cap plate and the said partition to provide a swivel bearing for the nut, said nut being threadedly engaged with the said extension of the core, and a handle engaged with the said extension beyond the said nut.

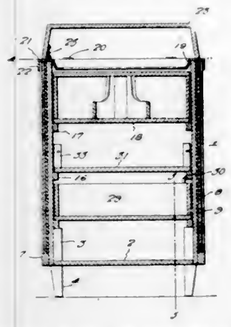
1,465,177. TIRE STITCHER. JOSEPH F. RICHTER, Hardin, Mont. Filed Mar. 7, 1922. Serial No. 541,771. 4 Claims. (Cl. 154—9.)



4. A tool of the character described comprising a handle, a casing supported by one end of the handle, a plurality of spring pressed plungers movable within the casing, the opposed walls of the casing having slots, a pin carried by each plunger and operating in said slots, a yoke on the outer end of each plunger, and a toothed wheel journaled in said yoke for the purpose specified.

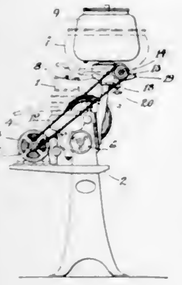
1,465,178. CABINET. WILLIAM RIMKE, Berwyn, Ill. Filed Feb. 26, 1921. Serial No. 447,960. 1 Claim. (Cl. 45—52.)

A cabinet of the character described comprising removable members designed to be attached to a phonograph to provide a carrying case therefor and including a body having an open front and top, cleats on the inner sides thereof to support the phonograph and the removable elements respectively, a frame hinged at the top of the cabinet for overlying the phonograph and preventing the



upward movement thereof, latching means for the frame and a flanged cover hinged to the top of the cabinet and overlying the hinged frame.

1,465,179. CHURN. JOHANNES VALDEMAR MÅRTEN RISBERG, Soderteilje, Sweden, assignor to Aktiebolaget Baltic, Stockholm, Sweden, a Corporation of Sweden. Filed June 21, 1921. Serial No. 479,352. 1 Claim. (Cl. 259—1.)



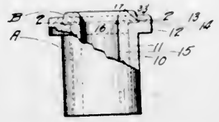
In a device of the character described, a holder for a milk tank when used as a centrifuge, churning means, a churn supporting and driving means including a casing detachably secured upon said holder, a shaft mounted in said casing and carrying the churn, driving gearing in said casing and operative to actuate said churning means, and actuating means for said centrifuge operatively connected to said driving gearing for operating the same.

1,465,180. RUBBER RETAINER. REFEL S. ROWE and GEORGE WEINLE, Rutland, Vt. Filed Sept. 14, 1922. Serial No. 588,252. 1 Claim. (Cl. 24—84.)



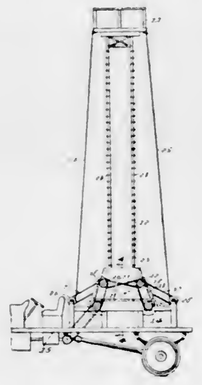
A rubber shoe retainer comprising a shoe gripping element having gripping jaws movable into and out of a gripping position, one of said jaws being provided with a transversely extending slot, a shoe engaging element for engaging the upper edge of the rear portion of a shoe, said hook being provided with a transversely extending slot, and a strip of elastic material having its end portions passed through said slots and brought together and connected to provide an endless loop slidably passing through the slots and providing a yieldable connection between said shoe engaging element and gripping element.

1,465,181. LOCKING MEANS FOR GUIDE BUSHINGS. OTTIS R. BRINEY, Cleveland, Ohio. Filed Mar. 9, 1921. Serial No. 450,935. 3 Claims. (Cl. 77—62.)



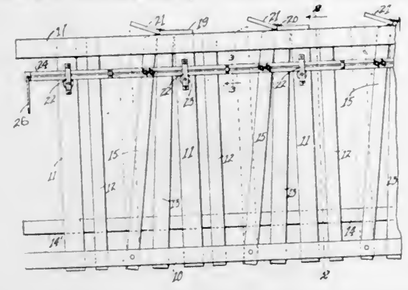
1. In a guide bushing, the combination of, a slip bushing provided with an eccentrically disposed projection having an inclined surface, and an abutment means having an inclined surface to engage said inclined surface on said slip bushing by a rotative movement of said slip bushing and bind said slip bushing by both endwise and lateral pressure.

1,465,182. PORTABLE FIRE ESCAPE. CHARLES SAGO, Old Forge, Pa. Filed Feb. 11, 1921. Serial No. 444,105. 1 Claim. (Cl. 228—41.)



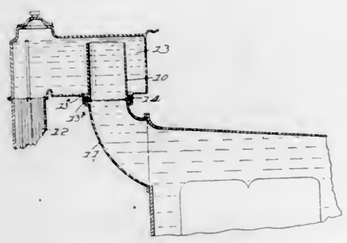
A portable fire escape apparatus having a transportable framework, spaced drums mounted in said framework, flexible standards terminally connected to said drums and reeled upon the same, a platform surmounting the standards at their upper ends, the standards consisting of sections connected by rule joints of which those of one standard break in the direction of the other standard, operating rolls rotatably mounted in said framework above said drums and provided with peripheral teeth engaging openings in the sections of said standards, supplemental operating rolls disposed on opposite sides of the standards from said first mentioned operating rolls and holding the standards in contact with the latter, guide rollers rotatably mounted in the framework above said first mentioned operating rolls and formed with peripheral grooves guiding said standards to maintain them properly aligned, power operating means, and operative connections between the guide rolls, said first mentioned operating rolls and the drums and power operating means.

1,465,183. STANCHION. JOSEPH SCALETTI, Suisun City, Calif. Filed Jan. 6, 1922. Serial No. 527,401. 1 Claim. (Cl. 119—148.)



In a device of the character described the combination with a supporting frame, said frame including a plurality of horizontally disposed bars connected to a plurality of spaced vertical and inclined bars, locking bars pivoted to one of said horizontal bars, a sectional operating rod supported by said vertical bars and adapted to move freely and horizontally thereof, adjustable L-shaped members connected to said operating rod for contacting with said pivoted bars for moving the same laterally in one direction only and into a locking position, and means secured to the top of said frame for temporarily locking said pivoted bars against movement in the opposite direction, substantially as and for the purpose described.

1,465,184. WATER-CIRCULATING DEVICE FOR RADIATORS. PAUL A. SCHIMMING, Hope, Kans. Filed July 14, 1922. Serial No. 574,908. 1 Claim. (Cl. 123—174.)

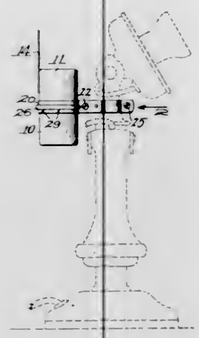


The combination with the radiator and water jacket of a motor vehicle engine, the former being provided with an upper rearwardly extending water compartment and the latter being provided with a return pipe whose upper end is overhung by said water compartment, of a return pipe extension protruding through the lower wall of the upper water compartment and terminally connected with the return pipe of the radiator, the said extension terminating adjacent to the normal plane of the surface of the water in the upper compartment, and means for securing said extension respectively to the wall of said water compartment and to the extremity of the return pipe.

1,465,185. COIN BOX FOR TELEPHONES. AXEL G. SANDBERG, Worcester, Mass., assignor to Harold Orth, Boston, Mass. Filed Feb. 9, 1922. Serial No. 535,383. 2 Claims. (Cl. 232—4.)

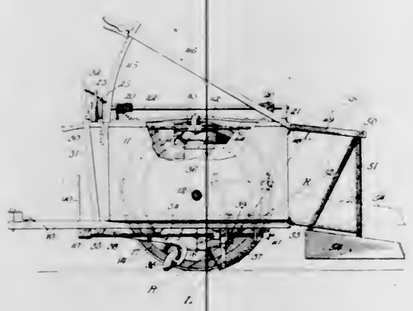
1. As an article of manufacture, a telephone coin box comprising a substantially identical bottom and top closed at their opposite ends and open at their adjacent ends which flare outwardly and are in contact with each other, a sheet metal collar surrounding said adjacent ends and having a circumferential groove inside for receiving

both flaring open ends of the box and cover, said collar having its two ends projecting from it radially and close together and having opposite semi-circular bends forming



a space for receiving a part of a telephone instrument, and means for clamping said ends together to secure the collar about the box and to secure it to a telephone instrument.

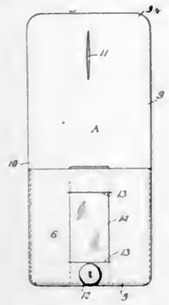
1,465,186. EXCAVATING, DUMPING, AND SPREADING MACHINE. THOMAS SEEVERS, Oskaloosa, Iowa; Grace Seevers administratrix of said Thomas Seevers, deceased. Filed Oct. 30, 1920. Serial No. 420,717. 9 Claims. (Cl. 37—9.)



1. In a machine of the class described, a hopper, wheels supporting said hopper, one of said wheels being a material elevating wheel, an annular pocket extending inwardly from one side of the wheel and presenting a continuous unbroken passageway, a cutaway section on the upper edge of the hopper adjacent the elevating wheel, and scraping means mounted upon the hopper in said cutaway section and extending from the hopper into said pocket for cleaning the pocket of the elevated material as the machine advances.

1,465,187. POCKET MATCH CARRIER. CHARLES F. SNYDER, Pittsburgh, Pa. Filed June 3, 1921. Serial No. 474,653. 1 Claim. (Cl. 206—33.)

As an article of manufacture, a match carrier formed of flexible material having a pocket therein, which pocket has an open and a closed end, a cover adapted to fold over one side of the pocket and close the open end thereof, cooperating fastening means on the cover and the said side, the side of the pocket over which said cover extends



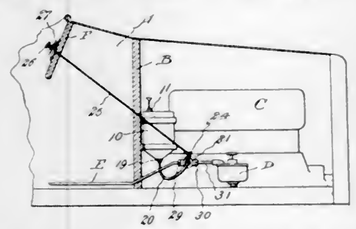
having slots therein for the reception of strips of material on which matches may be struck, and a match striking strip removably secured in the slots.

1,465,188. HARROW. ALBERT R. STAHL, Somerset, Pa. Filed Dec. 23, 1922. Serial No. 608,648. 5 Claims. (Cl. 55—104.)



3. A harrow comprising pivoted sections, pulverizing bars forming a part of each section, said pulverizing bars adapted to rest on the ground surface, and adjustable teeth supported by each section.

1,465,189. FUEL-FEED SYSTEM. CLAY THOMAS STEWART, Rochester, N. Y. Filed Apr. 13, 1922. Serial No. 552,401. 1 Claim. (Cl. 158—46.5.)

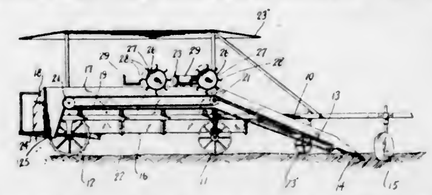


In a device of the character described, an auxiliary tank, a control valve connected with said tank, a main line and a carbureter, said tank having its top provided with a filling opening, a screw cap normally closing said opening and having its bottom formed with a bore constituting an air vent, the lower end of said bore being formed as a valve seat, a float within the tank, an upstanding guide bracket carried by the cap, a stem carried by the float slidable through said bore and bracket and a valve carried by said stem adapted to close said seat, said stem operating as a gauge for indicating the quantity of gasoline within the auxiliary tank.

1,465,190. HARVESTER. WILLIAM A. STEWART, San Francisco, Calif. Filed Sept. 11, 1920. Serial No. 409,546. 1 Claim. (Cl. 130—...)

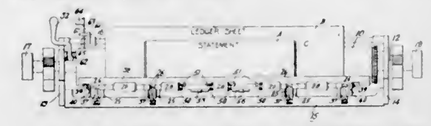
In a potato harvester, an endless carrier, chutes parallel therewith, independent conveyors within the chutes, shafts extending through the falls of the chutes, sprocket wheels

carried by the shafts within the separate chutes, for driving the conveyors therein, rotatable cleaning devices within some o fthe chutes and mounted above the con-



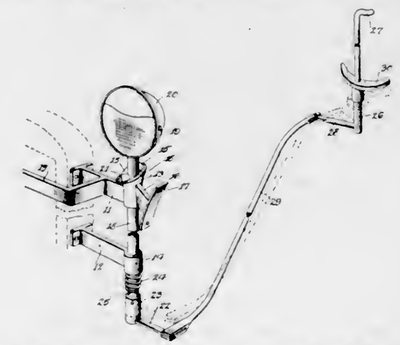
veyors, permitting the potatoes to pass under the cleaning devices while carried rearwardly by the canveyors, and mechanism for driving said shafts and cleaning devices.

1,465,191. TYPEWRITING MACHINE. BURNHAM C. STICKNEY, Elizabeth, N. J., assignor to Underwood Typewriter Company, New York, N. Y., a Corporation of Delaware. Filed June 12, 1920. Serial No. 388,453. 21 Claims. (Cl. 197—138.)



1. In a typewriting machine, in combination with a platen; a plurality of feed-rolls, one forward of the other in line-space direction on the platen; means for effecting pressure of the feed-rolls on the platen so that work-sheets may be gripped and fed between the rolls and platen; and braking means for exerting balanced pressure on said rolls to hold them against rotation and thereby cause the same to hold stationary such work-sheet as may be in contact therewith, while permitting movement of the platen relative thereto.

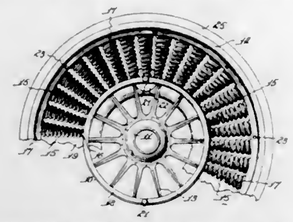
1,465,192. INDIVIDUALLY-OPERABLE HEADLIGHT. RUFUS A. SUMMERS, Moscow, Kans. Filed Dec. 14, 1921. Serial No. 522,308. 3 Claims. (Cl. 240—61.)



1. A headlight mechanism including rotatable lamp supporting shafts, means for rotating one shaft independently of the other shaft, and means engageable with the first-mentioned means whereby both shafts may be rotated simultaneously toward each other.

1,465,193. VEHICLE WHEEL. WILLIAM W. TEW, Banks, Ala. Filed Feb. 16, 1922. Serial No. 536,992. 1 Claim. (Cl. 152—37.)

A vehicle wheel comprising an inner main section having a hub, spokes and rim with inwardly-tapered lugs projecting outwardly from the rim each lug having a hooked projection at one side thereof; a supplemental rim with tire forming the outer section of the wheel and having inwardly projecting lugs each with a transverse hole therethrough, and coiled springs interposed between the aforesaid rims or sections of the wheel and tapered inwardly for close arrangement radially, the outer end of each spring engaging the hole in one of the aforesaid lugs on the outer wheel section and the contracted inner



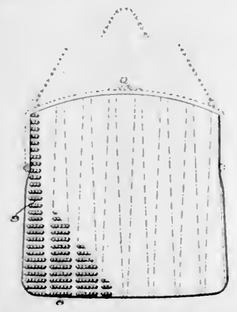
end of each spring closely embracing one of the aforesaid tapered lugs on the inner section of the wheel with the terminal thereof engaging the hook-projection; together with annular disks bolted to the outer wheel section and having circular openings therein on a plane with the rim of the inner section which they embrace, and rollers at the sides of the rim of said inner section projecting into said openings.

1,465,194. SPRAY GUN. LESLIE L. TIBBELL, New Troy, Mich. Filed Apr. 13, 1922. Serial No. 552,292. 3 Claims. (Cl. 91—45.)



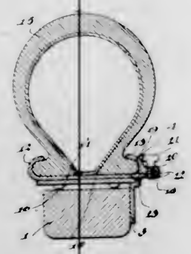
1. A spray gun comprising a barrel, a detachable nozzle therefor, said nozzle having discharge openings therethrough, a short tube disposed transversely through the end wall of said nozzle between said discharge openings, means for admitting a paint solution and air under pressure to said barrel, whereby said paint solution may be atomized, and means for selectively discharging the atomized paint solution through said discharge openings and said tube at will.

1,465,195. BAG. DAVID TRAUM, New York, N. Y., assignor to Dritz-Traum Co., New York, N. Y., a Copartnership composed of John Dritz and David Traum. Filed July 20, 1922. Serial No. 576,287. 2 Claims. (Cl. 41—36.)



1. A bag, comprising a body of cloth, and a partial covering of beads mounted on threads and arranged in vertical and horizontal rows, the vertical rows tapering from the bottom to the top.

1,465,196. DEMOUNTABLE RIM. JOSEPH EDWARD WANDER, Washington, D. C. Filed Dec. 6, 1921. Serial No. 520,316. 1 Claim. (Cl. 301—35.)



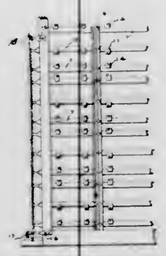
A demountable rim comprising a pair of laterally separable sections arranged in lapping engagement, said sections having reversely disposed flanged edges and plain edges, the flange of one section having slots therein and lugs thereon, and the plain edge of the other section having tongues projecting through said slots, and removable fastening members for engaging the tongues of one demountable rim section with the lugs of the other demountable rim section for holding said rim sections detachably connected.

1,465,197. ANTIFRICTION INSERT FOR LEAF SPRINGS. JOHN C. WHITE, Bowling Green, Ohio. Filed May 26, 1921. Serial No. 472,881. 5 Claims. (Cl. 257—49.)



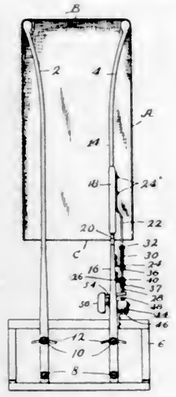
1. A spring comprising a plurality of overlaid resilient leaves, anti-friction bearings interposed between two of said leaves, a retaining strip for said bearings of uniform thickness having bearing apertures of sufficient width to permit limited travel of said bearings, the upper surface of said strip being spaced from the lower surface of the adjacent leaf by the bearings the proper distance to maintann an oil film therebetween.

1,465,198. CHANGEABLE-LETTER SIGN. LESLIE ELVIN WILLIAMS, Wichita Falls, Tex., assignor of one-half to Clifford Allday, Petrolia, Tex. Filed Dec. 5, 1922. Serial No. 605,070. 3 Claims. (Cl. 40—142.)



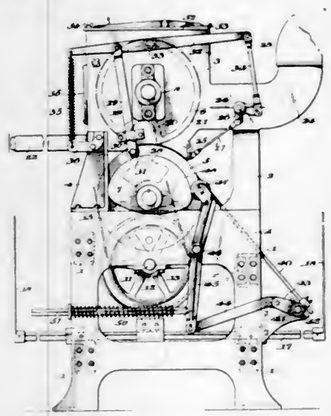
1. A changeable letter sign comprising a frame, a pair of anchored pillars supporting said frame, a plurality of vertical spaced bars attached to said frame, transverse bars slidably attached to said vertical bars, letter plates having hooks disposed opposite to each other thereon, means for locking said slidable transverse bars to prevent unauthorized vertical movement thereof.

1,465,199. COMBINATION BAG TURNER AND COUNTER. OSCAR WILLIAMS, Kansas City, Mo. Filed July 3, 1920. Serial No. 393,939. 5 Claims. (Cl. 235—91.)



1. In a bag turning device embodying two standards over which the bags are turned and one of which has a movable portion, mechanism for counting the bags, and means actuated by the movable portion of the standard for operating said counting mechanism.

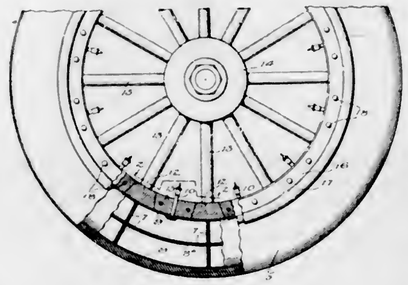
1,465,200. SACK TURNING AND MEASURING MACHINE. ARTHUR EDWARD YATES, Flintstone, Ga. Filed May 4, 1921. Serial No. 466,731. 9 Claims. (Cl. 223—20.1.)



1. In a sack turning machine, a suction spout upon which and through which the sack is drawn and turned, and a pair of rolls, one of which is composed of a plurality of separated wheels, having a gap therein to receive and measure sacks.

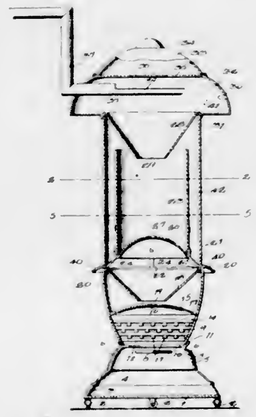
1,465,201. WHEEL AND TIRE CONSTRUCTION. EDWARD H. ACKERMAN, Montclair, N. J. Filed Jan. 17, 1923. Serial No. 613,083. 2 Claims. (Cl. 152—22.)

1. A wheel and tire construction including a felly, a rim structure for clinching the base of a standard tire shoe carried by the felly, the felly being formed of a plurality of arcuate sections connected permanently to the wheel hub and a plurality of inwardly radially removable sections arranged around the felly in alternation with said arcuate sections, each of said removable sections carrying an air valve and an inflatable flexible container served individually by said valve, whereby said containers when inflated are arranged end to end all around the interior of the tire shoe, and bolts all engaging said rim structure but a different one en-



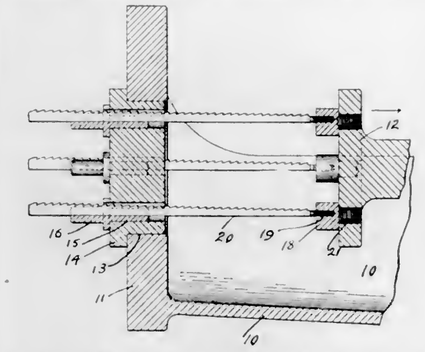
gaging each of all said removable sections, whereby on injury to various ones of said containers only the bolts engaging the particular removable sections associated with the last-mentioned containers need be removed to permit removal of the last-mentioned removable sections and their containers; said containers being of rubber and including annular compartments.

1,465,202. STOVE. ORVILLE R. AIKMAN, Salem, Ill. Filed Aug. 30, 1922. Serial No. 585,238. 11 Claims. (Cl. 126—8.5.)



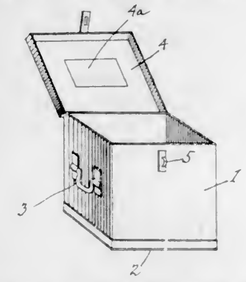
1. A stove comprising a fire box, a burner, means in the fire box adapted to be raised to a state of incandescence, means for concentrating the heated gases of combustion from the burner upon the incandescent means and for causing a peripheral flow of the gases from the fire box, said concentrating means including means for causing a column of relatively small cross section of the heated gases from the incandescent means to be directed centrally upward, and means above the concentrating means for causing the peripherally flowing gases to be diverted towards the relatively small central column of gases and cooperating with said column of gases for inducing a central flow of the peripherally flowing gases.

1,465,203. BROACHING APPARATUS. CHARLES SIDNEY AMADON, New London, Conn., assignor to The J. N. Lapointe Company, New London, Conn., a Corporation of Maine. Filed Jan. 23, 1920, Serial No. 353,538. Renewed June 8, 1923. 4 Claims. (Cl. 90—33.)



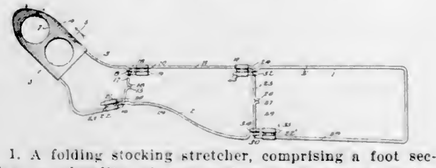
1. Broaching apparatus having a power-impelled head adapted for holding a plurality of broaches, combined with an end plate adapted for holding a plurality of independent pieces of work with each piece in operative relation with a broach, and means permitting angular adjustment of each piece of work with respect to the direction of travel of the broach operating upon it.

1,465,204. FILM-TRANSPORTING BOX. LORRAINE F. ANDRES, Cincinnati, Ohio. Filed May 5, 1921. Serial No. 466,984. 3 Claims. (Cl. 220—82.)



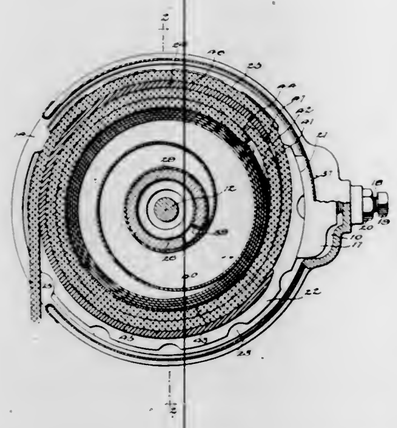
1. A container for photographic films and the like, comprising a box having a movable lid provided with depending flanges, said lid having an aperture to expose an addressing tag, an independent plate adapter to sett on the top edges of the box and be covered by the lid and flanges, and an address bearing plate adapted to seat on the plate first referred to and be enclosed between said plate and the lid and its flanges, said address bearing plate having carried thereon a label bearing an address.

1,465,205. FOLDING STOCKING STRETCHER. HENRY A. BERENDSEN, Bangor, Pa. Filed Apr. 25, 1922. Serial No. 556,375. 4 Claims. (Cl. 223—19.)



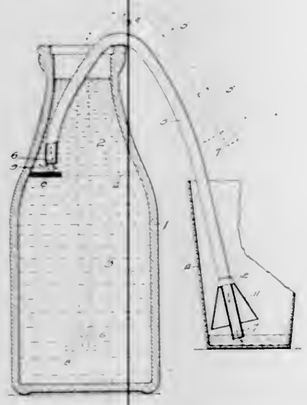
1. A folding stocking stretcher, comprising a foot section, a plurality of leg sections, said sections being hingedly connected together, and means for clamping said sections rigidly in alignment.

1,465,206. SHOCK ABSORBER. DENNIS B. D. BLAKE, Quincy, Ill. Filed July 22, 1922. Serial No. 576,733. 7 Claims. (Cl. 267—10.)



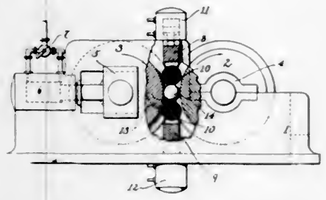
1. A shock absorber which includes a base plate having lugs thereon spaced apart, a friction collar disposed within said base plate, a collar plate on which said collar is mounted, said collar plate having notches in its periphery to engage with the lug, a clamping plate disposed within the base plate opposite the lug and adapted to engage the edge of the collar plate, and a set screw mounted on the base plate and engaging the clamping plate to adjust it against the edge of the collar plate.

1,465,207. SIPHONING DEVICE. FRANK M. BONHEIM, St. Louis, Mo. Filed Apr. 30, 1920. Serial No. 377,852. 1 Claim. (Cl. 137—20.)



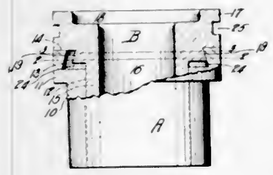
In combination with a flexible rubber tube, of a cup shaped flexible rubber faucet engaging member fixed at one end to the tube near one end thereof and in such a manner that the tube passes through said member and beyond the free edge thereof, a shield fixed to and below the opposite end of said tube and opposed laterally extending fingers formed at one end of the shield to serve as indicating means.

1,465,208. BALL-ROLLING APPARATUS. FERDINAND MORA CANDA, New York, N. Y. Filed Oct. 21, 1919. Serial No. 332,284. 10 Claims. (Cl. 80—23.)



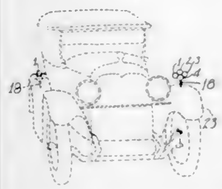
1. In a ball rolling apparatus, the combination of coacting grooved ball-forming rolls, manually controlled means for separating the same and bringing them together, and adjustably controlled locating means for determining the position between said rolls of material to be acted upon.

1,465,209. GUIDE BUSHING. OTTIS R. BRINEY, Pontiac, Mich. Filed June 14, 1922. Serial No. 568,326. 3 Claims. (Cl. 77—62.)



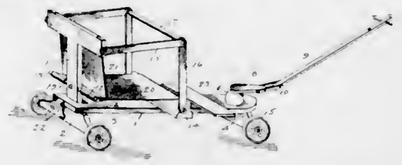
1. A guide bushing comprising, a liner bushing provided with an eccentric counterbore, and a slip bushing guided in said liner bushing and provided with an eccentric collar disposed in said counterbore to engage the wall thereof by a rotative movement of said slip bushing and bind said slip bushing by both sidewise and lateral pressure with a space between the end of said eccentric collar and the bottom of said counterbore.

1,465,210. SIGNAL FOR VEHICLES. WILLIAM JAMES COMBS, Otterbein, Ind., assignor of thirty per cent to William J. McKone and thirty per cent to Charles T. Combs, both of Otterbein, Ind. Filed July 21, 1922. Serial No. 576,552. 1 Claim. (Cl. 177—329.)



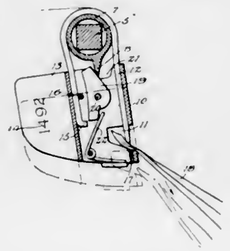
An automobile signal comprising a plurality of cylindrical casings disposed tangent with respect to each other, electric light sockets connecting certain of the casings at the points of tangency, said sockets being arranged so that each casing has the open end of only one socket projecting therein, an electric light disposed in each casing and being carried by the open end of the socket disposed in the casing, and means for securing said casings to a vehicle.

1,465,211. COLLAPSIBLE BABY CARRIAGE. MILTON S. DUNKELBERGER, Dayton, Ohio, assignor, by mesne assignments, to The Tiny Toter Manufacturing Company, Dayton, Ohio, a Corporation of Ohio. Filed Feb. 20, 1922. Serial No. 537,897. 6 Claims. (Cl. 280—87.5.)



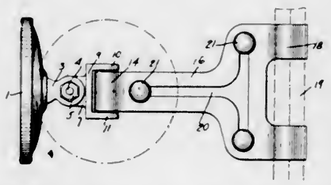
1. A child's collapsible vehicle of the character described, comprising a bed board, carrying members therefor, a seat back hinged to the bed board to fold forwardly, a seat rail attached to the bed board, a fabric seat attached to the seat rail at its forward edge, a cross bar carried by the seat back at a point somewhat removed from its hinge joint, to which the rear part of the fabric seat is attached, means independent of the seat for holding the seat back in erect position whereby said seat is placed under tension by the erection of the folding seat back, and means to lock the seat back in its folded position.

1,465,212. PIN. JOHN EVANS, Salt Lake City, Utah. Filed May 9, 1922. Serial No. 559,638. 13 Claims. (Cl. 40—2.)



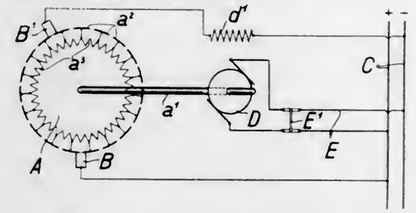
1. A sorting pin including a housing, a member movable with respect to said housing, a point forming a part of said member, and movable with respect to said housing, said housing guarding said point, and a movable dog carried by said housing and normally engaging said member to retain the same in this position.

1,465,213. AUTOMOBILE MIRROR BRACKET AND JOINT. SIDNEY FEINBERG, New York, N. Y. Filed Oct. 15, 1921. Serial No. 507,997. 1 Claim. (Cl. 45—97.)



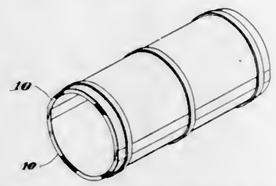
An automobile mirror bracket and universal joint connection, consisting of a mirror, a pair of spaced apart plates extending rearwardly and centrally from the mirror, a U-shaped joint casting comprising a base or body portion, rearwardly extending legs at the upper and lower ends, of the body portion, a pintle bar extending between said legs and rigidly connecting the same, a plate extending forwardly from said body portion in a plane coinciding with the plane of the axis of the pintle bar, said plate having a transverse opening therethrough and adapted to be pivotally mounted between said spaced apart plates, a bracket arm comprising twin plates having curved ends at one extremity adapted to embrace said pintle bar, and angular bands at the other extremity adapted to be rigidly clamped to a windshield, the bracket arm plates having alined horizontal slots and connecting branch vertical slots therethrough, and clamping bolts disposed in the said slots whereby to clamp said bracket arm to the pintle bar and windshield respectively.

1,465,214. APPARATUS FOR THE FINELY-GRADUATED REGULATION OF A CURRENT STRENGTH. RUDOLF FÖRSTER, Essen, Germany, assignor to Fried. Krupp Aktiengesellschaft, Essen-on-the-Ruhr, Germany. Filed Sept. 7, 1920. Serial No. 408,742. 3 Claims. (Cl. 171—229.)



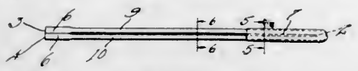
1. A resistance comprising a revolubly mounted segmented drum, resistance elements continuously connected between adjacent segments and brush lead devices contacting with the segments of said drum, one of said brush lead devices being adjustable with respect to the other, and means for rotating said drum.

1,465,215. WALL FOR DRUMS AND THE LIKE MADE OF MULTIPLY MATERIAL AND METHOD OF MAKING THE SAME. HORACE W. HALL, Newton Center, Mass. Filed Aug. 11, 1921. Serial No. 491,445. 18 Claims. (Cl. 144—309.)



1. The method of making an enclosing wall of multi-ply material, which comprises molding the material into preliminary rigid forms, each of which contains a part of the complete wall-form, plus addenda at its edges; and then trimming the edges to make said preliminary forms into sections of the desired wall which combine together to make said enclosure.

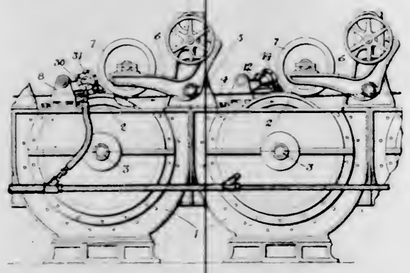
1,465,216. HAIR CURLER. ANNA C. HEATHCOTE, Chicago, Ill. Filed Sept. 20, 1922. Serial No. 589,423. 1 Claim. (Cl. 132—43.)



A hair curler of the character described comprising a relatively short flexible non-resilient body member having a pair of adjacent relatively long and substantially round

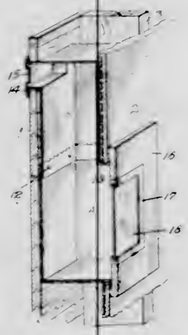
flexible non-resilient stem portions arranged to receive a lock of hair therebetween, whereby the end portions may be twisted about one another to grip the hair tightly in the curler, said stems having enlarged portions adjacent their outer ends to prevent the unintentional twisting of said stems out of engagement with one another.

1,465,217. SLUICE FOR PAPER-BOARD MACHINES. JOHN HICKEY, Flushing, N. Y., and DANIEL H SCHWARTZ, Holyoke, Mass., assignors to Holyoke Vacuum Sluice Company, Springfield, Mass., a Corporation of Massachusetts. Filed Apr. 26, 1922. Serial No. 556,781. 16 Claims. (Cl. 92—43.)



1. The improvement in vacuum sluices for paper making machines embracing in combination, a tubular exhaust member provided with a longitudinal intake nozzle arranged to form a suction contact across the carrier felt of the machine, and means for adjustably supporting the exhaust member with its nozzle in contact with but unsupported by the carrier felt, substantially as described.

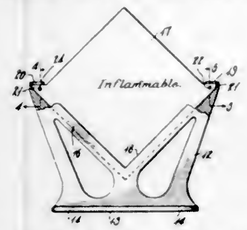
1,465,218. RESIDENCE MAIL BOX. EDWARD A. HOEHN, Dayton, Ohio, assignor to The Dayton Hardware Specialty Company, Dayton, Ohio, a Corporation of Ohio. Filed Feb. 1, 1922. Serial No. 533,344. 10 Claims. (Cl. 232—19.)



2. As an article of manufacture, an expansible deposit box insertable within a hollow wall structure through a comparatively small access opening when in collapsed condition and subsequently expanded within the hollow wall beyond the confines of said access opening.

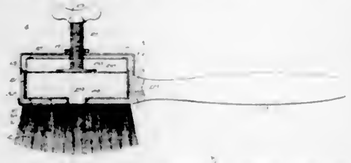
1,465,219. CARD OR PLACARD HOLDER. JAMES CRETE HUBBARD and ALBERT F. WINN, Eldorado, Kans.; said Winn assignor to said Hubbard. Filed Aug. 11, 1922. Serial No. 581,159. 4 Claims. (Cl. 40—146.)

2. In a placard holder for tank cars and the like, a frame provided with an angular slot closed at one end and open at the other, a placard adapted to rest in said recess, said placard being provided with angular ends,



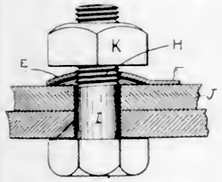
the closed end of said recess engaging one of said angular ends and means for securing the other angular end in the open end of said recess.

1,465,220. FOUNTAIN BRUSH. JOHN V. HUETHER, Brooklyn, N. Y. Filed July 5, 1922. Serial No. 572,843. 6 Claims. (Cl. 15—137.)



1. In combination, a container having one end wall provided with an outlet and an axially movable end wall constituting a follower for expressing the contents thereof through the outlet, and an applicator comprising a brush including a head provided with a recess in the opposite side of which the bristles are disposed, said brush head having an opening establishing communication between the recessed side and the bristled side, said recess adapted to receive the container and said opening adapted to register with the outlet, and means carried by the applicator adapted to coact with the movable end wall of the container for expressing the contents through the outlet.

1,465,221. NUT LOCK. ALLAN R. JOY, Portland, Oreg. Filed Sept. 10, 1920. Serial No. 409,506. Renewed Jan. 20, 1923. 2 Claims. (Cl. 151—3.)



1. A nut lock comprising a threaded bolt, a bowed washer having a threaded opening at the center of the bow, the threads of the washer fitting closely in the threads of the bolt, a nut mounted on said bolt and having one face adapted to contact with the convex face of the washer, whereby longitudinal pressure of the nut against the washer will flatten the bow of the washer, sever the threads of the same and force them outwardly into the threads of the nut and form a choke or lock.

1,465,222. METHOD OF MAKING CONCRETE STRUCTURES. RICHARD GERVASE KIRTON, Perth, Western Australia, Australia. Filed Aug. 7, 1922. Serial No. 580,292. 10 Claims. (Cl. 25—155.)

1. The method of constructing vertically in the position it is to finally occupy a hollow concrete structure consisting in wrapping a tube with compressible material

lubricated to permit easy sliding of the tube out of said wrapping, which tube is of the length and size necessary for a core for the hollow portion of the structure, mount-



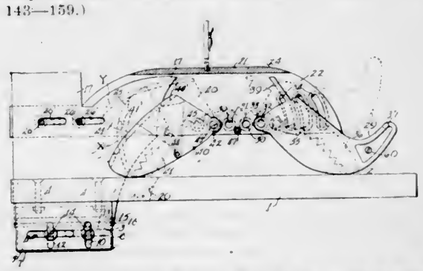
ing said tube vertically in the site where the structure is to be formed, placing the concrete round the tube and after allowing the same to set withdrawing the tube from its wrapping.

1,465,223. HANDBAND OR PROTECTOR FOR BASE-BALL PLAYERS. EDWARD KOHBE, Brooklyn, N. Y. Filed Apr. 29, 1922. Serial No. 557,395. 3 Claims. (Cl. 2—104.)



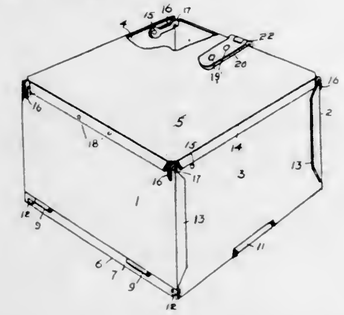
1. A protective band for the hands of ball players, which comprises a band of flexible material disposed over the joints between the palm of the hand and the fingers, and a hollow cushioning means of rubber disposed on the band over one of said joints.

1,465,224. AUTOMATIC SHIELD FOR CIRCULAR SAWS. JOSEPH EDWARD LANTZ, Chicago, Ill. Filed July 22, 1921. Serial No. 486,769. 7 Claims. (Cl. 143—159.)



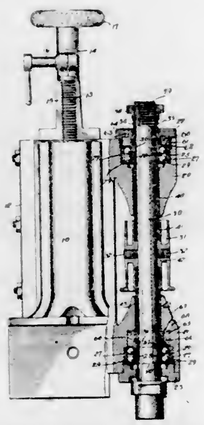
1. The combination with a circular saw and a work supporting table, of a housing adapted to cover a portion of said saw, and two guards pivotally carried by said housing and adapted to cover the rear of said saw, each of said guards consisting of two members pivotally secured to each other at their ends, the free ends of one of the guards of each set being connected to said housing, the outer member of each set being adapted to cover the cutting edge of said saw until the work engages therewith.

1,465,225. SHIPPING CASE. JAMES M. LEACH, Smithton, Pa. Filed July 7, 1922. Serial No. 573,358. 2 Claims. (Cl. 220—6.)



1. A collapsible case comprising a cover provided with a hasp and a pair of pins, a bottom having each of its side edges formed with an upstanding flange, a side wall hingedly connected to each of said flanges, an end wall hinged to each of the end edges of said bottom, hook members pivotally carried by said end walls and adapted to engage said side walls for securing the latter with the end walls in the vertical position, one of said side walls formed with apertures for the reception of the pins carried by said cover, and the other of said side walls having a staple mounted thereon adapted to be engaged by said hasp for locking the said cover in the closed position.

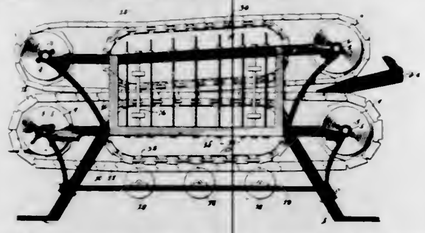
1,465,226. ROUTING HEAD. ALFRED MARCEAU, Brooklyn, N. Y. Filed Aug. 27, 1921. Serial No. 496,013. 2 Claims. (Cl. 64—36.)



2. In a routing head, spaced upper and lower spindle supports, ball bearings mounted in the said supports and having fixed and rotatable ball race members, a spindle extending through the ball bearings, a pulley attached to the said spindle intermediate the said spindle supports, a top spindle sleeve on the upper end of the spindle and

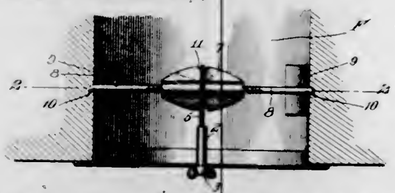
engaging the rotatable ball race member of the upper ball bearing, a nut screwing on the upper end of the spindle and abutting against the upper end of the said upper sleeve, a spindle sleeve in the pulley and engaging the spindle, an intermediate spindle sleeve between the bottom of the upper ball bearing and the said pulley sleeve, and a spindle sleeve engaging the rotatable ball race member of the lower ball bearing and interposed between the latter and the said pulley sleeve.

1,465,227. OIL PRESS. ROBERT SHERRY MATHESON, Manila, Philippine Islands. Filed May 17, 1919, Serial No. 297,782. Renewed Mar. 24, 1923. Serial No. 527,270. 2 Claims. (Cl. 100—35.)



1. A press comprising a pair of endless chains, means for supporting and moving the chains with the lower run of one chain and the upper run of the other chain contacting throughout a part of their travel, the lower chain having openings through it for the expressed oil and having upstanding flanges at its side edges, the upper chain moving between the flanges, means for supporting the said adjacent runs of the chains to cause them to gradually move toward each other from one end of the adjacent runs to the other, the lower chain consisting of sets of links arranged side by side and pivoted to other sets at their ends, and a plate connecting each set of links, the upper chain being formed from sets of links, the links of each set being alongside each other and rigidly connected, the alternate links extending beyond the intermediate links at one end of each set of links and the intermediate links extending beyond the alternate links at the other end of the set.

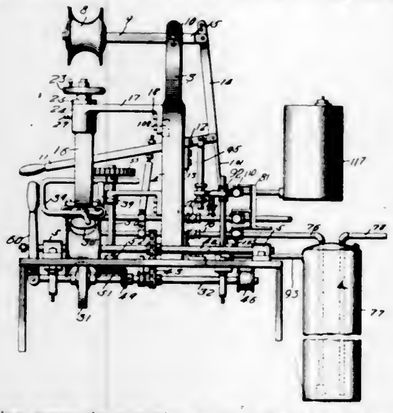
1,465,228. FLUE STOPPER. ARTHUR A. MILLER, Tebbetts, Mo. Filed Mar. 28, 1923. Serial No. 628,311. 3 Claims. (Cl. 126—319.)



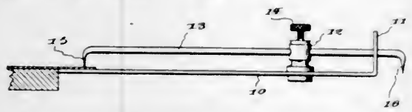
1. A stopper for a flue opening comprising in combination, a cap, a nut, reversely threaded rods engaged with the opposite ends of the nut, the outer ends of the rods being provided with penetrating means, a member engageable with the nut, and a member disposed through the cap and in threaded engagement with the first named member.

1,465,229. AUTOMOBILE TIRE-CASING TRIMMING AND LINING MACHINE. FRANK C. MOORE, Canton, Ohio. Filed Aug. 18, 1919. Serial No. 318,171. 33 Claims. (Cl. 51—103.)

6. A machine for trimming and lining tire casings, comprising means for supporting a casing, continuously operative means arranged to remove fin-like portions along the beads and periphery of the casing, means arranged to spray a lining substance on the interior of the casing, and instrumentalities for simultaneously setting the supporting means in operation so that the casing is made to revolve, and starting the spraying means so that the interior is sprayed as the casing revolves.

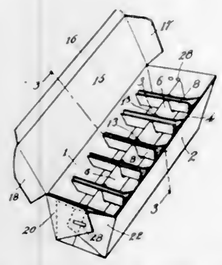


1,465,230. SCRIBING TOOL. AUGUST NIKANDER, Detroit, Mich., assignor of one-half to Samuel E. Rothstein, Detroit, Mich. Filed Oct. 26, 1922. Serial No. 597,004. 4 Claims. (Cl. 33—42.)



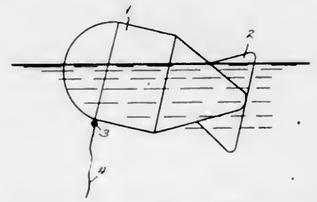
1. A scribing tool comprising a scale blade having one side graduated, a post on the graduated side thereof, and a longitudinally adjustable rod carried by the post and extending parallel to the blade, said rod having a scriber point positioned opposite and spaced from the graduated side of the scale blade.

1,465,231. EGG CARTON. WILLIAM D. OGLESBY, Middletown, Ohio, assignor to The O. K. Paper Pail Company, Middletown, Ohio, a Corporation of Ohio. Filed May 29, 1922. Serial No. 564,499. 8 Claims. (Cl. 229—29.)



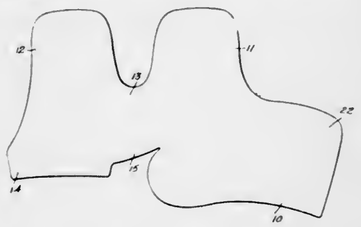
1. A carton formed from a single blank of suitable cardboard material cut and scored to form bottom, sides, and ends, with the bottom scored to fold lengthwise to form a longitudinal partition and with side extensions to form transverse partitions interlocking with the longitudinal partition to provide a series of individual compartments.

1,465,232. SEA MINE. MAX CARL AUGUST HERMANN PAPE, Neumuhlen-Dietrichsdorf, near Kiel, Germany, assignor to the Firm Carbonit-Aktiengesellschaft, Hamburg, Germany. Filed Sept. 30, 1920. Serial No. 413,881. 3 Claims. (Cl. 102—3.) (Granted under the provisions of the act of Mar. 3, 1921, 41 Stat. L., 1313.)



3. A sea mine of the class described, comprising an oblong mine vessel having a central substantially cylindrical portion, a substantially cone-shaped rear end and a substantially semi-spherical front end, the load in said vessel being so distributed that the center of gravity is rearward of the center of the longitudinal axis of the vessel so that the mine when floating tends to assume a position such that its longitudinal axis is inclined in a vertical plane, and means carried by said vessel forwardly of the center of its longitudinal axis to which an anchoring cable can be attached, said means being so located with respect to the center of gravity of the mine that the drag of the anchoring cable causes the mine when submerged to assume a position with its longitudinal axis substantially horizontal.

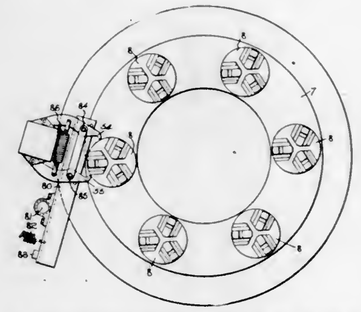
1,465,233. FASHIONED ANKLE AND ARCH SUPPORT. ABRAHAM POSNER, Brooklyn, N. Y. Filed Aug. 19, 1921. Serial No. 493,559. 3 Claims. (Cl. 128—166.)



1. As an article of manufacture an ankle and arch support fashioned from a single piece of material and comprising a base adapted to rest on the sole of a boot or shoe, a back, and sides integrally connected with each other by the said back one side extending integrally from one side of the base the entire length thereof, the lower front portion of said side gradually decreasing in height, the other side terminating approximately at the center of length of the base and it and the said back being provided at their lower ends with an inwardly extending flange secured to the said base.

1,465,234. MACHINE TOOL, CHUCK, AND CHUCKING SYSTEM. CHARLES R. PRATT, Montclair, N. J., assignor to The E. Horton & Son Company, Windsor Locks, Conn., a Corporation of Connecticut. Filed July 16, 1920. Serial No. 396,807. 20 Claims. (Cl. 29—38.)

1. Chuck mechanism comprising, in combination, a chuck body, work-gripping jaws rotatable with said chuck body and a pressure fluid actuated jaw-operating mechanical connection operating through the rim of said chuck body for operating said jaws in at least one direction.



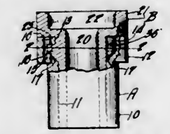
10. A chuck comprising, in combination, a body, jaws, a spider, link connections between said spider and jaws whereby oscillation of said spider operates said jaws, a spring urging oscillation of said spider in one direction, and means exterior to said chuck body for oscillating said spider in a direction against the strain of said spring.

1,465,235. FIBER-OPENING MACHINE. JAMES B. REBER, Auburn, N. Y., assignor to Columbian Rope Company, Auburn, N. Y., a Corporation of New York. Filed July 29, 1920. Serial No. 399,682. 5 Claims. (Cl. 19—65.)



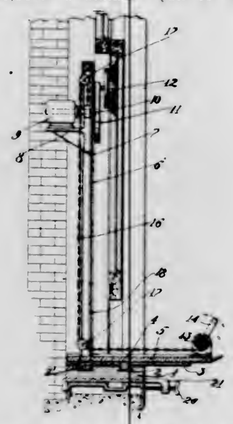
1. In rope making machinery, the combination with a first combing machine or breaker, of a pair of horizontally disposed rotary drums, one of which is located near the breaker and the other at a distant station, a stationary guide extending between said drums in a horizontal plane substantially coincident with the upper sides thereof, guard rails extending lengthwise of and above the guide in transversely spaced relation, and an endless conveyer supported by the drums and provided with a lengthwise row of spurs projecting between and above the guard rails for feeding fiber hanks from the distant station to the breaker, and power driven means for rotating the drum nearest the breaker and causing the upper side of the conveyor to travel from the distant station toward said breaker.

1,465,236. GUIDE BUSHING. OTTIS R. BRINEY, Pontiac, Mich. Filed July 17, 1922. Serial No. 575,539. 5 Claims. (Cl. 77—62.)



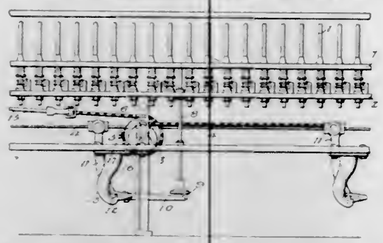
1. A guide bushing comprising, a liner bushing provided with a concentric bore and a concentric recess adjacent this bore and an eccentric counterbore adjacent this recess, a stop means traversing said recess, a slip bushing provided with a concentric bore, an eccentric flange on said slip bushing and adapted to said recess, and a stop shoulder on said eccentric flange to engage said stop means.

1,465,237. WINDOW-CLEANING DEVICE. GEORGE HUNTER, New York, N. Y. Filed Aug. 20, 1921. Serial No. 493,864. 6 Claims. (Cl. 15—103.)



1. A mounting for a window cleaning device which includes a base member, means for clamping the base member to a window sill, said member having a pair of grooves extending thereacross on its upper surface, and a slidable member disposed on the base member and having a pair of tongues extending across its lower surface, one tongue engaging in said groove whereby the slidable member may be slid across the window sill.

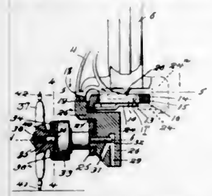
1,465,238. SPINNING FRAME AND CAM. JOHN P. MCCAVITT, Fall River, Mass., assignor of one-half to Richald Waddicor, Fall River, Mass. Filed May 17, 1922. Serial No. 561,779. 1 Claim. (Cl. 242—43.7.)



The combination with an actuating rod adapted to raise the yarn guiding frame of a spinning machine, a shaft rotatably mounted on the frame of said spinning machine, a disk secured to said shaft, an eccentrically mounted cam acting disk secured to said shaft, a flexible pulling element connected to the first mentioned disk and adapted to be wound thereon, said pulling element being adapted to rotate said first mentioned disk, said shaft and the second mentioned disk, a flexible pulling element connected to the second mentioned disk and adapted to be wound thereon, a reciprocating bar connected to the opposite end of said second mentioned pulling element, said bar being actuated by said second mentioned pulling element as said eccentrically mounted cam disk rotates, and means operated by said bar for raising said actuating rod and said guiding frame.

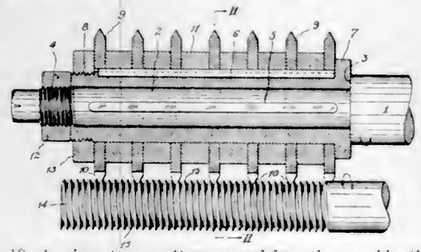
1,465,239. SOUND BOX. CHARLES J. MECHLING, New York, N. Y. Filed Mar. 19, 1917. Serial No. 155,660. 14 Claims. (Cl. 274—28.)

1. A sound box including a casing provided with a diaphragm, a stylus lever having an end affixed to said diaphragm and fulcrumed for movement about an axis parallel to the plane of the diaphragm, a stylus block, means for fulcruming the same to the casing, said stylus block having a freedom of movement about an axis extending perpendicular to the plane containing the other



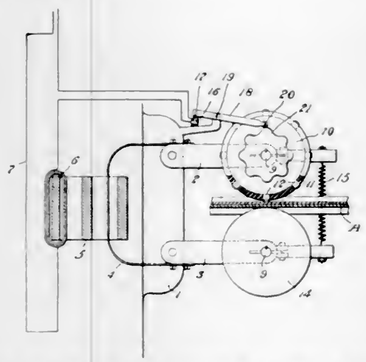
axis, and said block adapted to bear on the stylus lever to actuate the diaphragm by the vibratory movement of the block.

1,465,240. RING-TYPE CUTTER AND METHOD OF ITS USE. CHARLES H. SCHERR, Cleveland, Ohio, assignor to The Lees-Bradner Company, Cleveland, Ohio, a Corporation of Ohio. Filed Nov. 11, 1919. Serial No. 337,206. 10 Claims. (Cl. 10—154.)



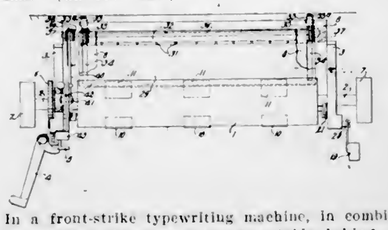
10. A ring type cutter comprising the combination with a spindle, of a sleeve fitting said spindle, a plurality of spaced ring cutters upon said sleeve, means for securing said cutters in position on said sleeve, and separate means for removably securing said sleeve on said spindle.

1,465,241. WELDING MACHINE. ARTHUR J. TOWNSEND, Canton, Ohio, assignor to The Federal Machine & Welder Company, Warren, Ohio, a Corporation of Ohio. Filed July 17, 1919. Serial No. 311,410. Renewed Sept. 27, 1922. Serial No. 590,999. 3 Claims. (Cl. 219—4.)



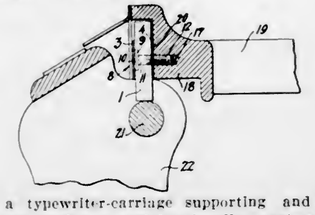
1. A welding machine comprising a base, a pair of arms pivotly mounted upon said base, means for normally urging said arms toward each other, a transformer, the secondary coil of said transformer connected to each of said arms, a welding wheel carried by each arm, the material to be welded being adapted to be passed between said wheels, and spaced electrodes located around the periphery of one wheel and arranged to engage the material.

1,465,242. TYPEWRITING MACHINE. JOHN A. WHERRY, New Orleans, La., assignor to Underwood Typewriter Company, New York, N. Y., a Corporation of Delaware. Filed Jan. 7, 1921, Serial No. 435,591. Renewed July 17, 1922. Serial No. 575,578. 23 Claims. (Cl. 197—127.)



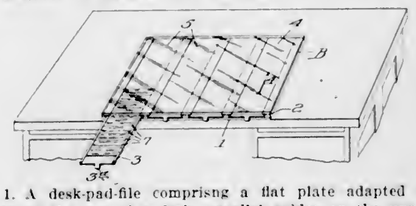
1. In a front-strike typewriting machine, in combination, a rotative platen, a rear paper-table behind the platen, a paper-apron beneath the platen, a guide-sheet above the rear paper-table and insertable from the rear between the platen and the paper-apron and movable forward to a position in which its forward edge projects at the front of the platen beyond the paper-apron for guiding a work-sheet inserted downwardly at the front of the platen between the platen and said guide-sheet, and manually-operable means connected with the guide-sheet, at the rear of the platen, for moving it forward to the guiding position or for withdrawing it to the retracted postion.

1,465,243. TYPEWRITING MACHINE. WILLIAM F. HELMOND, Hartford, Conn., assignor to Underwood Typewriter Company, New York, N. Y., a Corporation of Delaware. Filed Aug. 18, 1921. Serial No. 493,213. 14 Claims. (Cl. 197—69.)



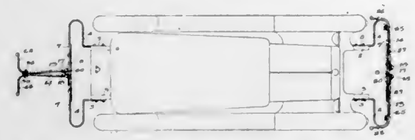
1. In a typewriter-carriage supporting and guiding roller-device having a peripheral roller part, a pair of bearing-forming cones, bearing balls retaining said roller part upon said cones, and a headed stud having a stem passing through said cones for securing the roller-device to the typewriter-carriage; the combination of a soft metal collar received completely into a recess surrounding said stem in the side of the cone non-adjacent to said head and pressed into engaging relation with said stem, said stem being provided with means enabling the engagement of said collar therewith for combining all of said parts into a unitary device for attachment to and detachment from the typewriter-carriage by means of said stud.

1,465,244. DESK PAD FILE. ALBERT R. HAGER, Shanghai, China. Filed Oct. 16, 1922. Serial No. 594,771. 5 Claims. (Cl. 40—64.)



1. A desk-pad-file comprisng a flat plate adapted to rest on the top of a desk, parallel guides on the upper side of said plate affording parallel chambers, and a plate surmounting said guides and affording a flat working surface at its upper side.

1,465,245. COMBINED PARKING BUMPER AND THEFT INDICATOR. LEMUEL WILLIAM NOBLES, Washington, D. C. Filed Nov. 15, 1922. Serial No. 601,137. 10 Claims. (Cl. 293—55.)



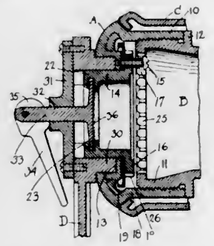
6. The combination of a bumper, and means swingably mounted on the bumper and adapted to be locked in projected relation from said bumper.

1,465,246. HOUSING METHOD FOR AIRSHIPS. LEO LEMM, Milwaukee, Wis., assignor to Lula Theis, Milwaukee, Wis. Filed July 27, 1922. Serial No. 577,813. 6 Claims. (Cl. 214—2.)



6. In combination with a ship and its hangar, a pair of track members in the upper part of the hangar and projecting therefrom, a number of cars engaging said tracks, friction shoes carried by the cars for engaging the upper part of the ship, a track on the ground extending into the hangar, a pair of motor vehicles engaging the said track, vertically adjustable means on the vehicles for connecting them with the ship, means for connecting the two vehicles together and means for preventing the ship from raising the vehicle off the track.

1,465,247. WHEEL. HENRY A. HOUSE, Jr., Buffalo, N. Y., assignor to Wire Wheel Corporation of America, Buffalo, N. Y., a Corporation of New York. Filed Oct. 27, 1920. Serial No. 420,053. 7 Claims. (Cl 301—9.)



2. In a detachable wheel the combination of an inner hub having an annular row of teeth, a hub cap having a noncircular central opening, and a continuous groove in its outer face, and an axially movable device mounted to reciprocate into and out of engagement with the teeth on said hub, said device forming the inner wall of said groove.

3. In a detachable wheel of the type set forth in claim 2, the outer face of said axially movable device being normally flush with the outer face of said cap.

4. In a detachable wheel of the type set forth in claim 3, the hub cap having pockets in its inner face, springs seated in said pockets and bearing against said device to hold the outer face of said device normally flush with the outer face of the hub cap.

Patents Nos. 1,465,248 to 1,465,926.

THE

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OF THE

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Total	988		

Disclaimer.

1,417,510.—*Frank A. Gauger* and *Roy W. Johnson*, Milwaukee, Wis. FLASH IGNITER. Patent dated May 30, 1922. Disclaimer filed August 1, 1923, by the assignee, *Milwaukee Gas Specialty Co.*

Hereby enters this disclaimer to claim 1, which is in the following words, to wit:

"1. A valve of the class described comprising a body provided with a well and with ports communicating with said well at points spaced longitudinally of the well, a valve sleeve plug engaged in the well and terminating short of the inner port and provided in its periphery with an annular recess registering with the other port and further provided with openings at said recess, the sleeve plug being reduced in bore outwardly of the ports, a valve stem movable through said reduced bore portion, and a head on the stem co-acting with the inner portion of the sleeve plug."

Interference Notices.

U. S. PATENT OFFICE, *Washington, Aug. 13, 1923.*

Three Minute Noodle Co., its assigns or legal representatives, take notice:

An interference having been declared by this Office between the application of Weitz & Lefft, 427 East One Hundred and Thirty-eighth Street, New York, N. Y., for registration of a trade-mark and trade-mark registered October 29, 1918, No. 123,395, to the Three Minute Noodle Co., 650 West One Hundred and Seventy-seventh Street, New York, N. Y., and the Office having failed to secure service upon the registrant, notice is hereby given that unless said Three Minute Noodle Co., its assigns or legal representatives, shall enter an appearance therein within thirty days from the first publication of this order the interference will be proceeded with as in case of default.

This notice will be published in the OFFICIAL GAZETTE for three consecutive weeks.

WM. A. KINNAN,
Acting Commissioner.

U. S. PATENT OFFICE, *Washington, June 19, 1923.*

The heirs, assigns, or legal representatives of John Norris, deceased, take notice:

An interference has been declared by this Office between the application of the Capitol Sales Company, 714 Walnut Street, Memphis, Tenn., for registration of a trade-mark and trade-mark registered September 21, 1915, No. 106,054, to John Norris, 511 River Street, Canon City, Colo.

It appearing from the record that the registrant is dead, notice is therefore hereby given to the said heirs, assigns, or legal representatives of John Norris, deceased, that if they or any of them desire to contest the said interference proceeding they should immediately put themselves in communication with the Commissioner of Patents.

This notice will be published in the OFFICIAL GAZETTE for three consecutive weeks. If no appearance shall have been entered at the expiration of the period of publication, the interference will proceed as in case of default.

KARL FENNING,
Acting Commissioner of Patents.

U. S. PATENT OFFICE, *Washington, July 24, 1923.*

Robert E. Leydendecker, his assigns or legal representatives, take notice:

An interference having been declared by this Office between Plisner Products Co., Inc., 698 Washington Avenue, Brooklyn, N. Y., for registration of a trade-mark and trade-mark registered December 27, 1921, No. 149,986, to Robert E. Leydendecker, 103 Park Avenue, New York, N. Y., and the Office having been unable to secure service upon said Robert E. Leydendecker at the said address, notice is hereby given that unless said Robert E. Leydendecker, his assigns or legal representatives, shall enter an appearance therein within thirty days from the first publication of this order the interference will be proceeded with as in case of default.

This notice will be published in the OFFICIAL GAZETTE for three consecutive weeks.

KARL FENNING,
Assistant Commissioner.

ADVERSE DECISIONS IN INTERFERENCE.

In interferences involving the indicated claims of the following patents final decisions have been rendered that the respective patentees were not the first inventors with respect to the claims listed:

Pat. 1,268,785, A. F. Poole, Calculating machine, decided June 8, 1923, claim 1.

Pat. 1,321,514, A. F. Erickson, Jamb plate, decided June 8, 1923, claims 1, 2, 3, 4, and 5.

Pat. 1,337,844, W. F. McCaleb, Combined adding and listing machine, claim 6.

Condition of Applications Under Examination at Close of Business August 10, 1923.

Room No.	(Total number of applications awaiting action, excluding Trade-Mark division, 75,725; Trade-Mark division, 3,238. Oldest new case, Sept. 27, 1922; oldest amended, Oct. 7, 1922. The dates given are 1922 except where * indicates 1923.) Divisions, Examiners, and subjects of inventions.	Oldest new application and oldest action by applicant awaiting office action. New.	Amended.	No. of applications awaiting action.
314	1. LOEFFLER, F. A., Closure Operators; Fences; Gates; Harrows and Diggers; Plows; Planting; Scattering Unloaders; Trees, Plants, and Flowers.	Oct. 27	Oct. 9	1,300
128	2. HADEN, C. F., Bee Culture; Dairy; Preserving; Presses; Tents, Canopies, Umbrellas, and Canes; Tobacco.	Nov. 2	Oct. 24	1,464
175	3. RICH, WM. J., Electric Heating and Rheostats; Electrochemistry; Heating; Metal Founding; Metallurgical Apparatus; Metallurgy; Metal Treatment; Plastic Metal Working.	Nov. 16	Nov. 29	1,513
234	4. MERRITT, A. D., Conveyers, Chutes, Skids, Guides, and Ways; Conveyers, Fluid Current; Conveyers, Power Driven; Excavating; Handling—Hand and Hoist-Line Implements; Material or Article Handling; Pushing and Pulling Implements; Railway Mail Delivery; Traversing Hoists.	Oct. 25	*Feb. 28	1,570
167	5. MACNAB, J. F., Bookmaking; Books, Strips, and Leaves; Harvesters; Jewelry; Manifolding; Music; Printed Matter; Tying Cords or Strands.	Sept. 29	Oct. 13	1,480
318	6. LEWERS, A. M., Bleaching and Dyeing; Chemicals; Chemistry—Carbon Compounds; Explosive, Pyrotechnic, and Match Compositions; Fertilizers; Liquid Coating Compositions; Medicines; Plastic Compositions; Substance Preparation.	Sept. 27	*Mar. 24	1,621
312	7. JARBOE, C. G., Games and Toys; Optics; Photography	Nov. 2	Dec. 13	2,781
133	8. CLIFT, J. W., Beds; Chairs and Seats; Furniture; Kitchen and Table Articles; Store Furniture; Supports.	*Jan. 25	*Apr. 10	1,625
221	9. TRYON, F. M., Air and Gas Pumps; Hydraulic Motors; Injectors and Ejectors; Motors, Fluid; Motors, Fluid Current; Pumps.	Oct. 24	*June 9	940
235	10. HUNTER, O. F. (Acting), Motor Vehicles; Land Vehicles—Animal Draft Appliances, Bodies and Tops, Dumping, Wheel Substitutes.	Oct. 23	Oct. 28	1,552
154	11. ARMSTRONG, H. C., Boot and Shoe Making; Boots, Shoes, and Leggings; Button, Eyelet, and Rivet Setting; Harness; Hides, Skin, and Leather; Leather Manufactures; Nailing and Stapling; Whips and Whip Apparatus.	*Feb. 2	*Jan. 10	1,017
322	12. PIERCE, P. P., Machine Elements	Dec. 4	*Jan. 16	1,468
329	13. NIXON, G. A., Bolt, Nail, Nut, Rivet, and Screw Making; Chain, Staple, and Horseshoe Making; Driven, Headed, and Screw-Threaded Fastenings; Gear Cutting, Milling, and Planing; Metal Drawing; Metal Forging and Welding; Metal Rolling; Metal Working; Needle and Pin Making; Turning.	Oct. 28	*Apr. 2	1,228
323	14. BRUMBAUGH, N. J., Compound Tools; Cutting and Punching Sheets and Bars; Farriery; Metal Bending; Metal Tools and Implements, Making; Sheet-Metal Ware, Making; Tools; Wire Fabrics and Structure; Wire Working.	Oct. 12	*May 31	1,173
308	15. REDROW, W. L., Glass; Laminated Fabric and Analogous Manufactures; Paper Making and Fiber Liberation; Plastic Block and Earthenware Apparatus; Plastics.	Oct. 14	Dec. 15	2,075
112	16. BACKUS, C. D., Radiant Energy; Telegraphy; Telephony	Oct. 20	Oct. 24	2,541
307	17. RAFTER, G. S., Coating, Label Pasting, and Paper Hanging; Nut and Bolt Locks; Ornamentation; Paper Manufactures; Printing; Type Casting; Sheet-Material Association or Folding; Sheet or Web Feeding or Delivering; Type Setting.	Oct. 12	*Feb. 17	1,550
229	18. PORTER, M. E., Liquid Heaters and Vaporizers; Motors, Expansible-Chamber Type; Power Plants; Speed-Responsive Devices.	Oct. 6	Oct. 7	2,036
236	19. GLASCOCK, E. S., Automatic Temperature and Humidity Regulation; Furnaces; Heating Systems; Stoves and Furnaces; Thermostats and Humidostats.	*Mar. 1	*Apr. 14	724
179	20. WRIGHT, H., Artificial Body Members; Miscellaneous Hardware; Closure Fasteners; Cutlery; Dentistry; Locks and Latches; Safes; Undertaking.	Dec. 23	*Jan. 4	1,660
212	21. THURBER, W. L., Winding and Reeling; Textiles—Braiding, Netting, or Lace Making, Cloth Finishing, Fiber Preparation, Knitting, Spinning, Twisting or Twining, Weaving.	Oct. 14	*Mar. 1	1,054
249	22. COLWELL, J. H., Aeronautics; Firearms; Ordnance; Ammunition and Explosive Devices; Ammunition and Explosive-Charge Making; Air Guns, Catapults, and Targets; Boats and Buoys; Ships; Marine Propulsion.	Oct. 30	*Jan. 29	628
217	23. GROESBECK, W. D., Acoustics; Coin Handling; Recorders; Registers; Sound Recording and Reproducing.	Oct. 9	Oct. 12	873
144	24. DURAS, C. O., Apparel; Apparel Apparatus; Garment Supporters; Sewing Machines	Oct. 17	*Jan. 19	1,430
315	25. LIGHTFOOT, J. H., Agitating; Butchering; Centrifugal-Bowl Separators; Mills; Threshing; Vegetable and Meat Cutters and Comminutors; Gas Separation.	*Jan. 10	*Jan. 5	1,093
105	26. HODGES, J. S., Electricity, Generation; Motive Power; Prime-Mover Dynamo Plants	Oct. 16	Nov. 2	1,020
214	27. ANDERSON, L. S., Brush, Broom, and Mop Making; Brushing, Scrubbing, and General Cleaning; Laundry; Washing Apparatus.	Oct. 12	Nov. 3	1,528
225	28. BENSON, A. R., Internal-Combustion Engines	Dec. 15	Nov. 15	1,491
147	29. MORRIS, B. N., Abrading; Boring and Drilling; Button Making; Chucks or Sockets; Coopering; Tool-Handle Fastenings; Wheelwright Machines; Wood Sawing; Wood Turning; Woodworking; Woodworking Tools.	Oct. 10	Nov. 9	1,370
152	30. SULLIVAN, M. R., Illuminating Burners; Illumination; Liquid and Gaseous Fuel Burners; Typewriting Machines.	Nov. 1	*Apr. 13	1,927
172	31. HOLMES, W. N., Alcohol; Ammonia, Water, and Wood Distillation; Charcoal and Coke; Gas, Heating and Illuminating; Hydraulic Cement and Lime; Mineral Oils; Oils, Fats, and Glue; Sugar, Starch, and Carbohydrates; Concentrating Evaporators.	Oct. 25	Oct. 13	1,713
278	32. BANCROFT, J. F., Gas and Liquid Contact Apparatus; Heat Exchange	Oct. 9	Oct. 24	1,418
70	33. WYMAN, W. I., Bridges; Hydraulic and Earth Engineering; Masonry and Concrete Structures; Metallic Building Structures; Roads and Pavements; Roofs; Rod Joints or Couplings; Pipe Joints or Couplings; Valved Pipe Joints or Couplings.	Oct. 27	Oct. 30	1,788
304	34. SIMPSON, G. R., Electricity-Transmission to Vehicles; Pneumatic Dispatch; Railways; Railway Rolling Stock; Railway Switches and Signals; Railways, Surface Track; Railway Wheels and Axles; Store Service; Track Sanders; Vehicle Fenders.	*Jan. 10	*Mar. 5	815
52	35. REYNOLDS, E. C., Buckles, Buttons, Clasps, Etc.; Card, Picture, and Sign Exhibiting; Signals and Indicators; Toilet.	*Feb. 14	*Apr. 2	1,073
265	36. MORTON, G. L., Automatic Weighers; Driers; Geometrical Instruments; Measuring Instruments; Force Measuring.	*Jan. 2	Dec. 28	2,120
107	37. TAYLOR, E. C., Electricity, Circuit Makers and Breakers	Oct. 17	Oct. 19	2,017
378	38. IDE, G. R., Animal Husbandry; Earth Boring; Fishing, Trapping, and Vermin Destroying; Mining, Quarrying, and Ice Harvesting; Stationery; Stoneworking, Wells.	Oct. 23	Oct. 11	1,958
220	39. COWLES, A. W., Fluid-Pressure Regulators; Multiple Valves; Valves; Water Distribution	Oct. 11	Oct. 14	1,383
269	40. OBERLIN, J. J., Baggage; Bottles and Jars; Cloth, Leather, and Rubber Receptacles; Deposit and Collection Receptacles; Metallic Receptacles; Package and Article Carriers; Paper Receptacles; Special Receptacles and Packages; Wooden Receptacles.	Oct. 14	*Apr. 3	2,294
125	41. BROWN, J. I., Land Vehicles, Wheels and Axles; Resilient Tires and Wheels	Dec. 23	*Jan. 22	983
114	42. CUTTING, H. O., Electrical Conduits and Housings; Electric Signaling; Electric Lamps	Oct. 19	Nov. 23	1,750
382	43. HOPKINS, F. M., Baths and Closets; Electricity, Medical and Surgical; Fire Extinguishers; Sewerage; Surgery; Liquid Separation or Purification.	Nov. 18	Nov. 18	1,737
253	44. SHAFFER, C. H., Bread, Pastry, and Confection Making; Dispensing; Dispensing Beverages; Filling and Closing Portable Receptacles; Railway Draft Appliances; Refrigeration.	Oct. 24	Mar. 6	1,147
379	45. GILES, A. H., Journal Boxes, Pulleys, and Shafting; Lubrication; Motors; Spring Devices	Dec. 1	Nov. 24	1,616
332	46. WOLCOTT, C. L., Curtains, Shades, and Screens; Educational Appliances; Fire Escapes; Ladders; Fluid Sprinkling, Spraying, and Diffusing; Paper Files and Binders; Wooden Buildings; Scaffolds.	Dec. 2	*Jan. 8	1,487
264	47. BARKER, H., Brakes; Clutches and Power Stop Control; Elevators; Fluid-Pressure Brake and Analogous Systems; Horology; Time-Controlling Mechanism.	Nov. 11	*Jan. 30	1,217
118	48. ROEPKE, O. B., Electricity Conductors; Electricity, General Applications	Oct. 9	Oct. 14	2,360
383	49. EDINBURG, F. P., Check-Controlled Apparatus; Domestic Cooking Vessels; Fuel and Igniting Devices; Joint Packings; Packed Shaft or Rod Joints; Pneumatics; Velocipedes.	Oct. 28	Nov. 8	658
102	DESIGNS: C. O. MARKHAM (Acting)	Dec. 29	*Feb. 19	2,459
163	TRADE-MARKS, LABELS AND PRINTS: T. L. MEAD, JR. (Trade-Marks	*Apr. 2	*July 2	3,195
	(Labels and Prints	*July 30	*July 31	43

DECISIONS IN PATENT AND TRADE-MARK CASES.

Commissioner's Decisions.

CLIMAX RUBBER COMPANY *v.* U. S. COMPRESSION INNER TUBE CO.

Decided July 7, 1922.

1. TRADE-MARKS—ACT OF MARCH 19, 1920—REGISTER (*b*)—"COMPRESSION."

The mark here in issue consists of the word "Compression," and the fact that it has been placed on register (*b*) of the act of 1920 shows that it is not a technical trade-mark such as could be registered under the act of 1905.

2. SAME—SAME—SAME—CANCELLATION.

Where the petitioner for cancellation used the mark prior to the date of the registrant's application, and the registrant wrote to the petitioner that the registration should cause the petitioner to discontinue its use of the mark, *Held* that the writing of such a letter clearly indicates that the presence of the mark on the register injures the petitioner, and the registration should therefore be canceled.

APPEAL from Examiner of Interferences.

TRADE-MARK FOR PNEUMATIC INNER TUBES.

Messrs. C. A. Snow & Co. and *Mr. D. P. Wolhaupter* for Climax Rubber Company.

Mr. Arthur E. Wallace for U. S. Compression Inner Tube Co.

FENNING, *Assistant Commissioner:*

This is an appeal from the action of the Examiner of Interferences sustaining a petition to cancel registration No. 135,877, U. S. Compression Inner Tube Co., dated October 19, 1920, for a trade-mark for inner tubes for pneumatic tires. The registration was effected under section (*b*) of the act of March 19, 1920, which includes only "marks not registrable under the act of February 20, 1905."

[1] The mark here in issue consists of the word "Compression," and the fact that it has been placed on register (*b*) of the act of 1920 shows that it is not a technical trade-mark such as could be registered under the act of 1905. From this it might be argued that the word is descriptive of the goods, and such conclusion is urged here; but we are not forced to that assumption, since the record amply justifies the holding that "Compression" is descriptive of a tube which when inserted within a tire and inflated compresses the rubber against the casing instead of expanding it, thus sealing a leak. The exhibits referred to by the Examiner of Interferences amply sustain this holding.

The act of 1920 provides that if the registrant is not entitled to the exclusive use of the mark "at or since the date of his application for registration" the mark shall be canceled. The evidence amply supports the claim of the Climax Company that they have used the word "Compression" in connection with their inner tubes since prior to the date of the application for registration (Exhibit C).

[2] On December 6, 1920, attorney for registrant wrote the petitioner for cancellation that the registration here in issue should cause the petitioner here to discontinue its use of the word "Compression." The writing of such a letter clearly indicates that the presence of a registered mark on the register injures petitioner, and the mark should therefore be canceled. (*R. H. Macy & Co., Inc.*, v. *The Macey Company, Inc.*, 295 O. G., 463.)

The Examiner of Interferences is affirmed.

EX PARTE BONNIE-B CO. INC.

Decided November 13, 1922.

NOTICE TO COMPETITOR OF PENDING APPLICATION—ACCESS TO APPLICATION.

An applicant may notify a competitor that he has an application or applications pending, but interference in any way with the business of the competitor will justify this Office in giving the competitor access to the pending applications upon which the notice is based, or at least in giving him photostat copies of the drawings.

ON PETITION.

Mr. S. S. Sugar for Bonnie-B Co. Inc.

Mr. Julian J. Wittall for applicant

ROBERTSON, *Commissioner:*

A petition has been filed by the Bonnie-B Co., Inc., for access to applications of M. in view of a notice of infringement given to petitioner by the attorney for M. under date of October 23, 1922. A photostat copy of said notice accompanied the petition.

It is of course the practice of this Office to preserve all applications in secrecy to the extent stated in the rules so long as the applications are not used to unjustly interfere with the business affairs of others.

Where a competitor is marketing a device for which an inventor has an application pending, it is not considered improper for the inventor to notify the competitor that he, the inventor, has an application pending for said invention, when such notice is merely intended to put the competitor on notice as to making substantial investments and expenditure in the marketing of the device. The inventor, however, should not in any way interfere with the business of the competitor in this matter. To do so will justify this Office in giving the competitor access to the pending applications upon which the notice is based, or at least in giving him photostat copies of the drawings.

The petition for access is denied without prejudice to its renewal in case the applicant makes further demands that petitioner or his customers stop marketing the device.

POSTUM CEREAL COMPANY, INC., v. CALIFORNIA FIG NUT COMPANY.

Decided Feb. 26, 1923.

1. TRADE-MARKS—ACT OF MARCH 19, 1920—REGISTRATION UNDER BUENOS AIRES CONVENTION.

The act was intended for the relief of those parties who wished to avail themselves of registration in those countries which were members of the Convention held at Buenos Aires August 20, 1910, but who were unable to register their marks under the 1905 act as amended.

2. SAME—SAME—DESCRIPTIVE MARKS.

Under this act of 1920 descriptive marks are not prohibited registration.

3. SAME—SAME—SECTION 1 (B).

The proviso clause of section 1 (*b*) should be construed to read—"*Provided*, That trade-marks which are *so nearly* identical with a known trade-mark * * * as to be likely to cause confusion or mistake in the mind of the public or to deceive purchasers shall not be placed on this register."

4. SAME—SAME—SECTION 2.

The word "exclusive" found in section 2 of the act is intended to state a necessary condition to registration, under the one-year clause, of marks of the character there specified.

5. SAME—"GRAPE NUTS"—NOT DECEPTIVE.

There is no natural product known as a "grape nut." The bringing together of the two words does not result in terms which describe any product known prior to the use of the mark by petitioner. The public have been taught, by the wide publicity given to petitioner's mark, to associate the mark with the particular kind of goods, and it is not thought there is any merit in the contention of respondent that petitioner's mark is deceptive.

6. SAME—"FIG NUTS"—DESCRIPTIVE, NOT DECEPTIVE.

It would appear but a fair interpretation to hold that four and one-half per cent of figs and nuts would be sufficient to justify the use of these terms and render them descriptive rather than deceptive. Even if there is no difference in taste there is reason to hold that the flavor may be affected by such ingredients, and this is sufficient to support the respondent's right to use these terms.

7. SAME—MARKS NOT DECEPTIVELY SIMILAR.

It would seem a fair conclusion that the two marks are not so nearly similar as to cause confusion in the trade. The word "nut," common to both marks, is the less conspicuous word, is the second word, not so striking as the first word of each mark, and not so likely to be retained in the mind of the purchaser as is the first word of each two-word mark. The first words being wholly dissimilar in spelling, sound, appearance, and significance, it would appear that there is not any probability of confusion in the minds of average purchasers.

APPEAL from Examiner of Interferences.

TRADE-MARK FOR BREAKFAST CEREALS.

Mr. Frank F. Reed, *Mr. Edward S. Rogers*, and *Mr. Francis L. Browne* for Postum Cereal Company, Inc.

Mr. Arthur E. Wallace for California Fig Nut Company.

KINNAN, *First Assistant Commissioner:*

The Postum Cereal Company, Inc., owner of the mark "Grape Nuts," as applied to a cereal, has, by its counsel, brought a petition, under the provisions of section 2 of the Trade-Mark Act of March 19, 1920, praying the cancellation of the mark "Fig Nuts," used with a pictorial representation of figs and peanuts, registered by the California Fig Nut Company and applied to a cereal.

The Examiner of Trade-Mark Interferences decided the petitioner corporation is not injured, within the meaning of section 2 of the act, and dismissed the petition. From this holding appeal has been taken.

Respondent admits that the petitioner is the owner of the mark "Grape Nuts" applied to a cereal breakfast food and has used this mark upon the packages containing its product and has continued without interruption for several years this use in interstate and foreign commerce. There is no dispute as to the wide use of this name throughout this country and in some foreign countries. It is also admitted by respondent that petitioner has caused this mark to be widely and favorably known, and to constitute a valuable asset of petitioner's business.

The points raised in this appeal involve some necessary interpretations of the act of March 19, 1920, under which respondent registered its mark, but it is thought unnecessary to enter into an elaborate discussion of this act in order to determine the case at bar. It will be sufficient, however, to note that unless and until this act has been differently construed by a court of competent jurisdiction the following construction upon the act is warranted:

[1, 2, 3, 4] The act was intended for the relief of those parties who wished to avail themselves of registration in those countries which were members of the convention held at Buenos Aires August 20, 1910, but who were unable to register their marks under the 1905 act as amended. Under this act of 1920 descriptive marks are not prohibited registration. The proviso clause of section 1 (*b*) should be construed to read—

> Provided, That trade-marks which are *so nearly* identical with a known trade-mark * * * as to be likely to cause confusion or mistake in the mind of the public or to deceive purchasers shall not be placed on this register.

The word "exclusive" found in section 2 of the act is intended to state a necessary condition to registration, under the one-year clause, of marks of the character there specified. In connection with this construction of the act attention is invited to the opinion of the Solicitor of the Department of the Interior quoted in 277 O. G., 181; C. D., 1920, p. 89.

In connection with this view, the statement of Justice Robb, of the Court of Appeals, District of Columbia, in the case of *Charles R. Long Jr. Company* (280 Fed. Rep., 975; 303 O. G., 398) has not been overlooked. In that case the mark was sought to be registered under the February, 1905, act as amended, and the paragraph of the opinion referring to the March, 1920, act was in the nature of an *obiter dictum* and was not necessary to the decision of the issue before the court. With this interpretation of the act, a finding as to the points raised in the appeal will not be difficult.

[5] Respondent contends that the petitioner is not the owner of a valid trade-mark because the mark is deceptive by reason of it being applied to a food which contains neither grapes nor nuts. After pointing out various instances where the name "grape" and the name "nut" have been applied to products possessing neither grapes nor nuts the Examiner of Trade-Mark Interferences came to the conclusion that petitioner's mark was fanciful and had become recognized as a mark indicating the particular breakfast food to the containers of which the mark was applied and that there was nothing deceptive within the meaning of the statute in using such a mark. This conclusion is believed to be sound. There is no natural product known as a "grape nut." The bringing together of the two words does not result in terms which describe any product known prior to the use of the mark by petitioner. The public have been taught, by the wide publicity given to petitioner's mark, to associate the mark with the particular kind of goods, and it is not thought there is any merit in the contention of respondent that petitioner's mark is deceptive. (*Coca-Cola* v. *Koke Co. of America*, 254 U. S., 143.)

[6] Petitioner has contended that respondent's mark is deceptive, by reason of the small percentage of figs and nuts included in the compound. As well set forth by the Examiner, it would appear but a fair interpretation to hold that four and one-half per cent of these two materials—figs and nuts—would be sufficient to justify the use of these terms and render them descriptive, rather than deceptive. Even if there is no difference in taste, by reason of the presence of the fig and nut ingredients, there is reason to hold the flavor may be affected by such ingredients, and, as noted by the Examiner, this is sufficient to support the respondent's right to use these terms comprising the mark. In view of the construction of the act under which respondent registered the mark, as above noted, there is no objection to the registration by reason of the mark being descriptive.

[7] With the disposition of the appeal, which seems to me justified, it is unnecessary to state whether the respondent is entitled to maintain his mark because it is descriptive, without reference to whether there is damage to petitioner. There is considerable confusion in adjudicated cases where each mark alleged to be in conflict is a two-word mark. Where the two words of a mark are equally important and unusual, courts have frequently, although not uniformly, held that if the first word of each of the two marks is the same, the marks infringe: see the case of *Griggs, Cooper & Co.* v. *Federal Coffee Mills Co.* (240 O. G., 338; 46 App. D. C., 317), in which "Home Pride" was held to infringe "Home Brand;" also the case of *Nabziger* v. *Schulze Baking Co.* (240 O. G., 941; 46 App. D. C., 292), in which "Butter-Cream" was held to infringe "Butter-Nut" and "Butter-Krust." In instances where each of the two marks had the first words dissimilar, and the second words similar and these first words were the more distinctive words infringement has frequently been held lacking. A recent case is that decided by the Court of Appeals, District of Columbia (307 O. G., 235), *Stephen L. Bartlett Company* v. *Arbuckle Brothers*, where the marks "Havesome" and "Drinksum" were held not deceptively similar; see also *Valvoline Oil Co.* v. *Havoline Oil Co.* (211 F. R., 189), where "Valvoline" was held not to infringe "Havoline". In the Coca-Cola Company cases cited by petitioner there does not appear to be an instance which is persuasive in the present case. The distinction between the registered mark and the mark of the infringers would seem to have been less than in the instant case. Without discussing the various cited cases further, it would seem a fair conclusion that the two marks are not so nearly similar as to cause confusion in the trade. The word "nut," common to both marks, is the less conspicuous word, is the second word, not so striking as the first word of each mark, and not so likely to be retained in the mind of the purchaser as is the first word of each two-word mark. The first words being wholly dissimilar in spelling, sound, appearance, and significance, it would appear there is not any probability of confusion in the minds of average purchasers. There does not appear to have been submitted any proof of actual confusion. It would seem, therefore, that the petitioner has not shown damage under the section of the act.

The decision of the Examiner of Trade-Mark Interferences is affirmed.

Court of Appeals of the District of Columbia.

AMERICAN GRINDER MANUFACTURING COMPANY *v.* WALDEN-WORCESTER, INC.

No. 1,525. Decided January 2, 1923.

1. TRADE-MARKS—"BLACKHAWK" AND "TOMAHAWK" SIMILAR.

The marks "Blackhawk" and "Tomahawk" are sufficiently similar as to be likely to create confusion.

2. SAME—USE OF MARK INDUCED BY FORMER AGENT OF COMPETITOR IN BUSINESS.

Where a former agent of the appellee who was familiar with the appellee's trade, its goods, and its mark became identified with the registrant company and the latter commenced to manufacture and sell its goods in competition with the appellee, the circumstances strongly indicate a purpose and intent on the part of the registrant to reap some benefit from the established trade of the appellee.

Mr. Wm. L. Symons and *Mr. S. W. Banning* for American Grinder Mfg. Co.

Mr. E. Q. Moses, *Mr. J. H. Milans*, and *Mr. C. T. Milans* for Walden-Worcester, Inc.

Before SMYTH, Chief Justice, and ROBB and VAN ORSDEL, Associate Justices.

ROBB, *J.:*

Appeal from concurrent decisions of the Patent Office tribunals canceling appellant's registration of the word "Blackhawk" as a trade-mark for socket wrenches, on the ground of conflict between that

mark and appellee's mark "Tomahawk," used on the same class of goods. "Blackhawk" was adopted in May of 1919.

As early as 1914 appellee adopted and since has extensively used the word "Tomahawk" as a trade-mark for socket wrenches. C. N. and F. W. Jonas acted as agents or distributors for appellee on the Pacific Coast from 1914 to 1918, and in the Middle West territory from 1916 to 1918, when, at the instance of appellee, the relationship was severed. Thereafter the Jonas brothers became identified with the appellant company which commenced to manufacture and sell wrenches in competition with appellee. It was then that the trade-mark "Blackhawk" was adopted.

[1, 2] We agree with the Patent Office that the marks are sufficiently similar as to be likely to create confusion, and, as we have intimated in prior decisions, the circumstances indicate strongly a purpose and intent on the part of appellant to reap some benefit from the established trade of the appellee.

The decision is affirmed.

Affirmed.

The decision of Assistant Commissioner Fenning, rendered in this case October 15, 1921, reads as follows:

This is an appeal from the action of the Examiner of Interferences sustaining the petition of the Walden-Worcester, Inc., for the cancellation of registration No. 128,597, dated January 13, 1920, to the American Grinder Manufacturing Company, consisting of the word "Blackhawk" applied to socket wrenches. Petitioner sets up registration No. 100,921, granted October 27, 1914, for its mark consisting of the word "Tomahawk" as used on wrenches.

It is urged by registrant that petitioner's mark "Tomahawk" is descriptive, since the wrench somewhat resembles a tomahawk in appearance. This is not established, however, since none of the pictures of Indian tomahawks introduced in evidence are close enough to applicant's wrench to be deceptive. It is suggested that tomahawk is a generic term applying to "any two or three cornered wrench." There is some evidence tending to establish this, but none of the evidence is directed toward 1914, when petitioner adopted this mark and applied it to a new type of wrench which it first put on the market. Moreover, registrant's own witness, Geyer, in response to Q. 15, says that he very seldom gets a call for a wrench called a "Tomahawk" wrench, although he deals in "Blackhawk" wrenches. He seems to be an honest dealer and uses the term "T-handle" as generic to the type of wrenches under consideration.

It is admitted that there is a distinction between the marks of the parties here, but I am satisfied that the marks are so similar as to be likely to cause confusion. Moreover, in the present case such confusion seems clearly to have occurred. (See Craig, Q. 10 et seq., and R. D. Q. 56 (petitioner's record), and also registrant's own witness Hofherr, Q. 8 and X Q. 10.) Registrant argues and urges that confusion cannot occur, but "upon this point a page of history is worth a volume of logic," as Mr. Justice Holmes says in another connection in *New York Trust Co.* v. *Eisner* (256 U. S., 345).

I am able to reach this conclusion entirely irrespective of any aspects of unfair competition which are suggested. Registrant was induced to enter the field by a former agent of petitioner who was familiar with petitioner's trade, its goods, and its mark. Under these circumstances, any doubt which might remain should be resolved against the late comer, who is the registrant here.

The suggestion of the name by an advertising agent does not outweigh the fact that registrant did adopt the name with full knowledge of petitioner's use of its mark. The holding of the court in *Stamford Foundry Co.* v. *Thatcher Furnace Co.* (200 Fed. Rep., 324) is persuasive.

Reference is made to the use of the word "Hawk-eye" by a third party to identify one type of wrench; but even if such use did cause confusion that would be no ground for allowing registrant to make confusion worse confounded by the use of this mark.

In the view I take of the case it becomes unnecessary to determine whether the evidence of confusion in trade, introduced by stipulation on behalf of petitioner in rebuttal, should be stricken out.

The Examiner of Interferences is affirmed and registration No. 128,597 should be canceled.

Court of Appeals of the District of Columbia.

IN RE TAYLOR.

No. 1,509. Decided January 2, 1923.

DOUBLE PATENTING—MEANS AND METHOD.

Where, when read in the light of the disclosure on which it is founded, a claim for a method is not capable of practice except by a machine constructed and operated according to a claim for the means which was made in a patent already obtained by the same inventor, to allow a patent for it would be to offend against the rule which prohibits double patenting.

Mr. J. H. Milans and *Mr. C. T. Milans* for Taylor.

Mr. T. A. Hostetler for the Commissioner of Patents.

Before SMYTH, Chief Justice, and ROBB and VAN ORSDEL, Associate Justices.

SMYTH, *C. J.:*

Taylor applied for a patent on a method of making one-piece pleated paper drinking cups. His application was denied. There are nine claims in it.

The Office based its decision on the ground that the claims were only paraphrases of the claims of a patent issued to Taylor some six years before. In disposing of the matter the Commissioner compared claim 7 of the application with claim 25 of the patent, and said that their words were almost identical in meaning. Answering this Taylor admits that a consideration of the two claims will suffice for the purpose of settling the controversy, but contends that they are not in fact the same in substance, and urges that, while the means provided in the patent claim must be found in a machine, a unitary structure, there is nothing in the claim of the application which depends on such a structure; that some of the steps required by the latter may be taken by separate dies and one step by hand, and it is against the possibility of the method being thus practiced that he seeks a patent. We copy both claims.

7. The method of making one-piece pleated paper cups, consisting of operating upon a blank to simultaneously form a plurality of pleats therein, closing the pleats to bring the blank into cup form and applying an adhesive to said pleats to hold the same in position.

25. In a cup making machine, comprising means for operating upon a blank to start the formation of plaits therein, means for closing the plaits to bring the blank to cup form, and means for applying an adhesive to said plaits to hold the same in position.

The Primary Examiner ruled that the method set forth in the claims of the application could not be performed by hand, nor by other mechanism than that called for in certain claims of the patent, including claim 25. Discussing the claims of the patent, the Examiners in Chief said that they—

are so broad as to cover every possible mechanical device for carrying out the methods set forth * * * and are nothing more than a paraphrase of the method claims.

The disclosure of the application says—

that the four operations of (1) cutting the blank from the ribbon of material, starting the formation of the plaits and applying the adhesive at the dies 35, 62; (2) completing the formation of the plaits and forming the flange at dies 100, 101; (3) trimming the flange by the knives 123, 129; and (4) printing by means of the member 146 upon the completed cup supported by one of the four holders 132 are all performed simultaneously.

In re Creveling (25 App. D. C., 530; 117 O. G., 1167) is authority for the proposition that the claims must be read in the light of the disclosure on which they are founded. Reading claim 7 in accordance with this principle, we believe that it is not capable of practice except by a machine constructed and operated according to the patent claim 25, and, this being so, to allow a patent for it would be to offend against the rule which prohibits double patenting. (*Mosler Safe and Lock Co.* v. *Mosler*, 127 U. S., 354; 43 O. G., 1115; *Miller* v. *Eagle Manufacturing Co.*, 151 U. S., 186; 66 O. G., 845.)

Creveling, in the case just cited, sought a patent on "methods of regulating dynamo-electric machines." The court, speaking through Mr. Justice Duell, said that the claims of his application, when correctly interpreted, had the same scope as claims of a patent granted to him some time before. The patent called for means, the application for methods, of regulating a generator.

The specification—

said the court—

would be fully as intelligible and the disclosure thereof would not be modified if the word "means" were substituted for "methods" in each of these two places. It has not been shown to us that the applicant in the present application has disclosed anything which was not fully disclosed in the patent issued to him on February 17, 1903. It has not been shown that there is any difference in the inventive concept underlying the present disclosure and that of his prior patent and, on the contrary, the reverse appears to be the case. Accordingly, even if we were justified in disregarding the character of the claims presented and referring to the invention itself, as disclosed, in determining the patentability thereof, we should be constrained to hold that the issuance of a patent upon the present application would be, in effect, a grant to the applicant of the same extent as that of his prior patent, and the final disposal of the case would not be affected.

Counsel attempt to distinguish this case from the one before us, but we do not think there is any difference in principle between the two. The reasoning in the Creveling case has been frequently approved by this court. (See *in re Tallmadge*, 37 App. D. C., 590; 174 O. G., 1219; *re Rowe*, 40 App. D. C., 423; 192 O. G., 519; *in re Fessenden*, 45 App. D. C., 21; 226 O. G., 1081; and *American Lava Co. et al.* v. *Steward et al.*, 155 Fed., 731.) In the Rowe case it was said:

An invention is not made different by the mere fact that one is disclosed in a claim for an apparatus and the other one in form of a method or process. Where the one invention is disclosed, but one patent can issue.

Here, as we view it, there is but one invention and that is fully covered by the patent claims.

Taylor cites *Dayton Fan & Motor Co.* v. *Westinghouse Electric & Mfg. Co.* (118 Fed., 562;) *Westinghouse* v. *Boyden Power Brake Co.*, (170 U. S., 537; 83 O. G., 1067;) *Century Electric Co.* v. *Westinghouse Electric & Mfg. Co.*, (191 Fed., 350. 353; 207 O. G., 1249); and *One-Piece Bifocal Lens Co.* v. *Bisight Co.*, (246 Fed., 450.) We have examined these cases but find nothing in them which would justify the conclusion which Taylor desires. They all go upon the assumption that the applicant is seeking a patent on something not already covered by a patent. For instance, the Century case says that where one makes several patentable inventions that result in a new and useful machine or process, or both, he may have as many separate valid patents as he makes patentable inventions. This we admit, but it does not fit the present case, because, as we have heretofore said, the invention disclosed by Taylor's application is not different from the one covered by the patent. The other cases may be distinguished on the same ground.

Being satisfied that the decision of the Commissioner of Patents is right, we affirm it.

Affirmed.

Court of Appeals of the District of Columbia.

SHAILER *v.* TOURAINE COMPANY.

No. 1,523. Decided January 2, 1923.

1. TRADE-MARKS—CONCURRENT USE OF MARKS "LIBERTY BELLE" BY APPLICANT AND "OLD LIBERTY BELL" OR "OLD LIBERTY" AND A PICTURE OF THE LIBERTY BELL BY OPPOSER WOULD DECEIVE PURCHASERS.

Where a mark consisting of the words "Liberty Belle" associated with a colonial scene and containing the words "Old Fashioned Candies" was used by Shailer concurrently with the use by the Touraine Company on the same class of goods of the marks "Old Liberty Bell" and "Old Liberty" and a picture of the Liberty Bell, *Held* that this concurrent use would be likely to cause confusion in the mind of the public and deceive purchasers, the marks obviously having the same signification.

2. SAME—USE OF SEVERAL MARKS BY OPPOSER.

Where the opposer, the Touraine Company, also sold packages marked "Belle Package" in connection with the word "Touraine," the latter clearly indicating the origin of the goods, the objection was raised that the

opposer had itself used several different marks in the sale of different brands of its goods and that the mark used by the applicant differs from each of the marks used by the opposer as much as they differ from one another. *Held* that the objection was not justified, because the use of the words "Belle Package" by the opposer was in the nature of a grade mark.

Mr. L. L. Morrill for Shailer.

Mr. C. R. Allen and *Mr. E. T. Fenwick* for Touraine Company.

Before SMYTH, Chief Justice, and ROBB and VAN ORSDEL, Associate Justices.

ROBB, *J.:*

Appeal from concurrent decisions of the Patent Office tribunals canceling, upon petition of the appellee, the mark of appellant, consisting of the words "Liberty Belle," associated with a colonial scene and containing the words "Old Fashioned Candies," in the sale of which the mark has been used since May of 1919.

[1] As early as 1907 appellee adopted the mark "Old Liberty Bell," which it since has extensively used on candies. Appellee also has used "Old Liberty" and a picture of the Liberty Bell. Obviously these two marks have the same signification. It goes without saying, as found by the Patent Office, that the concurrent use of appellant's mark upon the same class of goods would be likely to cause confusion in the mind of the public and deceive purchasers, within the meaning of the Trade-Mark Act.

[2] Appellant, however, contends that, because appellee's testimony shows that it sold packages of candy marked "Belle Package," appellee is not in a position to object to the registration by appellant of the mark, and cites *Alaska Packers Assoc.* v. *Admiralty Trading Co.* (43 App. D. C., 198; 214 O. G., 1025). There would be force in this contention had appellee used the word "Belle" alone, but the evidence shows conclusively that this use always was in connection with the word "Touraine," written in a distinctive manner and clearly indicating the origin of the goods. In other words, this use was in the nature of a grade mark and did not, in our opinion, conflict with the use of the trade-mark "Old Liberty" or "Liberty Bell."

The decision is affirmed.

Affirmed.

Court of Appeals of the District of Columbia.

IN RE SHEFFIELD.

No. 1,565. Decided April 3, 1923.

INVENTION—SUBSTANTIAL AND PRESUMABLY MERITORIOUS CONTRIBUTION TO THE ART—DOUBT RESOLVED IN APPLICANT'S FAVOR.

Where different-colored type was used in the most pertinent reference for the sole purpose of identifying the different parts of speech, and this reference was forty-four years old, and the applicant made a substantial and presumably meritorious contribution to the art by not only pointing out, through the medium of various kinds of type, the different parts of speech of which a sentence is composed, but by making apparent the relationship the component parts of the sentence bear to one another, the rule of resolving any doubt in his favor was followed.

Mr. Geo. P. Fisher, jr., and *Mr. C. J. O'Neill* for Sheffield.

Mr. T. A. Hostetler for the Commissioner of Patents.

Before SMYTH, Chief Justice, ROBB, Justice, and SMITH, Judge U. S. Court of Customs Appeals.

ROBB, *J.:*

Appeal from a decision of the Patent Office refusing to allow the three claims of appellant's application for patent, of which the first is sufficiently illustrative, as follows:

1. The improved method of visually indicating the structure and meaning of a sentence that consists in printing in type of different kinds words and groups of words that comprise syntactic elements of the sentence, the different kinds of type corresponding in relative conspicuousness to the varying syntactic importance of the different elements.

As will be gleaned from a reading of the above claim, applicant's conception embraces the art of so printing books that the real meaning of sentences will be visually disclosed and readily understood. The advance over the prior art consists in not only pointing out the parts of speech of which a sentence is composed, but making apparent the relationship the component parts of the sentence bear to one another. It is applicant's object to make visible the syntactic structure of the sentence as a whole, through the medium of various kinds of type, by which the different elements and their relative importance and relationship is made apparent.

The references principally relied upon by the Patent Office are the patent to McNeill, (No. 218,306, August 5, 1879), and Allen & Greenough's New Latin Grammar, first printed in 1903. In the McNeill patent, different-colored type is used for the sole purpose of identifying the various parts of speech. In other words, McNeill's type indicates that a given word is a noun, but does not convey to the student the information that this noun is the subject or object of a verb. Likewise it may convey to the student the fact that a certain word is a verb, but without disclosing whether such verb is independent or dependent. McNeill's colors, therefore, are used for identification and not for differentiation. Moreover, his patent was granted forty-four years ago and it is significant that the art should have remained stationary for nearly half a century. He was concerned with a different problem than applicant here attempted to meet, and there is no real or substantial identity of disclosure.

The reference to Allen & Greenough is even more remote, for there different type is used to show in the English translation what words in the Latin text have been emphasized by the Latin author. Emphasis alone is the consideration there, while applicant's concept embraces much more, for in his specification he says:

The manner of printing distinguishes by the kind of type any or all of the following: independent verbs, subjects of independent verbs, dependent verbs, subjects of dependent verbs, objects of verbs, pronouns, conjunctions, nouns and noun-clauses, adjectives and adjective-clauses, adverbs and adverb-clauses. * * * Preferably, independent verbs with their subjects and the conjunctions connecting them may be printed in roman capitals, dependent verbs with their subjects and the conjunctions connecting them in roman small capitals, objects of verbs in roman bold face, noun-clauses in bold face italics, etc. * * * These improvements in the printing of language books and of language texts for schools, which are characterized by the use of different kinds of type for the purpose of indicating to the eye the important grammatical elements and relations that underlie the structure of sentences.

The Commissioner, after stating that if applicant has made an invention it resides in the use of different type to indicate the different syntactic elements and relations underlying the sentence structure, recognized that "this has not clearly been shown in the references," but reached the conclusion that applicant has made no patentable advance over McNeill and Allen & Greenough.

In view of the fact that one of these patents is forty-four and the other twenty years old, and that applicant has made a substantial and presumably meritorious contribution to the art, we shall follow our rule by resolving any doubt in his favor. (*Re Eastwood*, 33 App. D. C., 291; *re Harbeck*, 39 App. D. C., 553.) Especially should this rule be followed in a case like the present, where the object is to facilitate the study of language.

The decision therefore is reversed.

Reversed.

Court of Appeals of the District of Columbia.

KREMER *v.* HARSEL.

No. 1,539. Decided Apr. 3, 1923.

INTERFERENCE—PRIORITY—PRESUMPTION IN FAVOR OF AN ASSIGNOR ARISING FROM DISCLOSURE IN APPLICATION BY ANOTHER ASSIGNOR OF SAME ASSIGNEE.

Where K. entered the field January 31, 1918, and H., an assignor, claimed that he reduced the invention to practice in 1916, and the assignee company on January 12, 1918, filed an application assigned to it by another inventor, the last-named application disclosing the invention, thus conclusively showing that the company was in possession of the invention before K.'s earliest available date, and where H.'s application was regular in form and no evidence was offered to overcome the presumption arising therefrom that he and not some other person was the real inventor, priority was awarded to H.

Mr. W. H. C. Clarke for Kremer.

Mr. E. H. Parry and *Mr. R. F. Rogers* for Harsel.

Before ROBB and VAN ORSDEL, Justices, and SMITH, Judge U. S. Court of Customs Appeals.

ROBB, *J.:*

Appeal from a decision of the Patent Office in an interference proceeding awarding priority of invention to the party Harsel.

The issue is expressed in eight counts, of which the first and fourth, here reproduced, are sufficiently illustrative:

1. As a new article of manufacture, a tire having the fabric worked down lengthwise of the warp threads on both sides of the median line of the tire.

4. A method of manufacturing tires on a tire machine which consists in working down one side of the tire in the direction lengthwise of the warp or tension threads, reversing the core and rotating it in the opposite direction and spinning down the other side of the tire.

From an examination of these counts it is apparent that the gist of the invention resides in the tire and a process of making it, in which process the stitching tool works down the material on both sides of the median line of the tire in a direction lengthwise of the warp threads or cords, as they run from the median line of the tire. The decision of the Examiners in Chief may be consulted for a detailed description of the invention.

Kremer, the senior party and patentee, has taken no testimony and therefore is restricted to his filing date of January 31, 1918, his patent having issued on April 23d, following. Harsel's application was filed July 15, 1918, so that it was incumbent upon him to establish his case beyond a reasonable doubt.

Harsel entered the employ of the Goodyear Tire and Rubber Company of Akron, Ohio, in 1914, under a contract in which he agreed to assign to that company any invention he might make in connection with his employment. In conformity with that contract, he has assigned to the company his interest in this invention.

The Examiners in Chief and the Assistant Commissioner have held that the invention was reduced to practice by Harsel in 1916, and, after a careful examination of the record, we are convinced of the correctness of that finding. It further appears that on January 12, 1918, the Goodyear Company, as assignee of James D. Thompson, filed an application on a tire machine, upon which Patent No. 1,275,794 was granted on August 13, 1918, and that this patent disclosed the process an issue here. It thus conclusively appears that the Goodyear Company was in possession of this invention prior to the earliest date available to Kremer.

It is contended, however, that it has not been clearly proven that Harsel was the inventor. In other words, the contention is made that some person other than Harsel may have been the real inventor. But Harsel's application is in regular form and, as found by the tribunals of the Patent Office, no evidence has been offered to overcome the presumption arising therefrom. Indeed, the testimony carefully reviewed by the Examiners in Chief is not only consistent with Harsel's claim but inconsistent with any other.

The decision is affirmed.

Affirmed.

PATENT SUITS.

[Notices under section 4921, Revised Statutes, as amended February 18, 1922.]

958,478, W. E. Davey, Process of reinforcing trees, suit filed July 5, 1923, D. C., E. D. Pa., Doc. 2785, *The Davey Tree Expert Co.* v. *C. Rothfus.* Same, suit filed July 12, 1923, D. C., S. D. Ill., Doc. 228, *The Davey Tree Expert Co.* v. *W. E. Conkel.* Same, suit filed July 16, 1923, D. C., W. D. Mich. (S. D.), Doc. 1990, *The Davey Tree Expert Co.* v. *W. F. Bolinger.* Same, suit filed July 18, 1923, D. C., N. D. N. Y., Doc. 435, *The Davey Tree Expert Co.* v. *W. J. Hayward.*

970,399, W. H. Sawyer, Menu-card holder, suit filed July 14, 1923, D. C., S. D. Iowa, Doc. E 4050, *M. W. Battle* (*Standard Menu Co.*) v. *J. Vasen* (*Sanitary Menu Co*)

1,007,596, Re. 13,428. W. L. Murphy, Disappearing bed, suit filed July 18, 1923, D. C., N. D. Calif., Doc. E 1079, *Murphy Wall Bed Co. et al.* v. *Rip Van Winkle Wall Bed Co.*

1,162,864, 1,353,124, C. J. Klein, Electric switch; Des. 50,353, same, Feed-through switches, suit filed Mar. 10, 1921, D. C., S. D. N. Y., Doc. E 21/11, *The Cutler Hammer Mfg. Co.* v. *D. Killoch Co.* Decree sustaining claims 2-5, 7, and 8 of Patent 1,162,864, adjudging infringement of said claims, and granting permanent injunction. Decree dismissing bill as to Patent 1,353,124 and Des. Patent 50,353 and dismissing bill as to plaintiff's charge of unfair competition.

1,191,874, G. H. Day, Lens-edging machine, suit filed July 19, 1923, D. C., W. D. N. Y., Doc. C 468, *American Optical Co. et al.* v. *Standard Optical Co.*

1,206,780, F. H. Scantlebury, Method of sand-blast carving, suit filed July 18, 1923, D. C., N. D. N. Y., Doc. 434, *Phoenix Machine Co., Inc.*, v. *Empire Monument Co.*

1,212,331, P. E. Denivelle, Manufacture of artificial stone structure, suit filed July 16, 1923, D. C., N. D. Calif., Doc. E 1078, *P. E. Denivelle* v. *MacGruder & Simpson et al.*

1,244,431, Dawson & Luellen, System of mobile armament, suit filed June 21, 1923, D. C., E. D. Pa., Doc. 2771, *L. W. Luellen* v. *The Baldwin Locomotive Works.*

1,262,860, S. B. Smith, Incubator, suit filed July 13, 1923, D. C., D. Ohio (E. D.), Doc. E 939, *S. B. Smith et al.* v. *J. W. Miller et al.*

1,277,700, Decker & Scott, *Ladies' bloomers*, suit filed June 22, 1923, D. C., E. D. Pa., Doc. 2773, *J. Kayser & Co.* v. *Lorane Knitting Mills et al.*

1,353,124. (See 1,162,864.)

1,371,413, W. P. Devine, Spectacles, suit filed Sept. 19, 1922, D. C., D. Mass., Doc. E 1763, *G. E. Hills* v. *Federal Optical Co.*

1,407,602, W. H. Thomson, Cushion ring for expanding gas-engine piston rings, suit filed June 28, 1923, D. C., N. D. Ill., Doc. 3639, *W. H. Thomson et al.* v. *R. A. Travers et al.*

1,425,140, W. W. Rumsey, Safety light, suit filed July 23, 1923, D. C., S. D. Ill., (N. D.), Doc. 230, *Esco Mfg. Co. et al.* v. *City of Genesco, Ill.*

1,428,891, L. Krause, Fringed hats, suit filed July 20, 1923, D. C., E. D. Pa., Doc. 2797, *Slyt Edge Co., Inc.*, v. *Adamstown Hat Co.*

1,433,819, O. Heyman, Jewelry unit and method and apparatus for making same, suit filed Feb. 6, 1923, D. C., S. D. N. Y., Doc. E 26/95, *O. Heyman* v. *Seidman & Cohen, Inc.* Proceedings stayed until final determination of existing interference between said patent and an application pending in the Patent Office.

1,439,063, Bugbee & Gordon, Lens-grinding machine, suit filed July 19, 1923, D. C., W. D. N. Y., Doc. C 469, *American Optical Co. et al.* v. *Standard Optical Co.*

Des. 50,353. (See 1,162,864.)

Des. 62,071, G. A. Taylor, Cover for containers; T. M. 99,615, T. M. 162,840, National Biscuit Co., Biscuit, suit filed July 7, 1923, D. C., S. D. Iowa, Doc. E 4232, *National Biscuit Co.* v. *Standard Biscuit Co. et al.*

Des. 62,175, L. W. Rice, Bowl or the like, suit filed May 16, 1923, D. C., S. D. N. Y., Doc. E 26/347, *B. Rice's Sons, Inc.*, v. *E. & J. Bass, Inc.* Final decree in favor of defendant, dismissing bill of complaint.

Re. 13,428. (See 1,007,596.)

Re. 15,486 (original 1,300,166), E. Hatch, Bundling machine, suit filed Jan. 9, 1923, D. C., S. D. Calif., Doc. E G-55, *A. J. Gerrard et al.* v. *L. M. Harvey (Harvey Machine Co.).*

T. M. 99,615. (Des. 62,071.)

T. M. 100,226, South Bend Bread Co., Bread, suit filed June 30, 1923, D. C., N. D. Ill., Doc. 3661, *South Bend Bread Co.* v. *J. & H. Polz et al.* Same, Doc. 3662, *South Bend Bread Co.* v. *T. Zlahoda.*

T. M. 162,840. (See Des. 62,071.)

Changes in Classification.

(ORDER NO. 2,833.)

U. S. PATENT OFFICE, *Washington, Aug. 6, 1923.*

The following change in the classification of inventions is hereby directed, to take effect immediately:

In class 55, Harrows and Diggers (Division I), abolish subclass—

Transplanters—
Wheel machines—
120. Tree conveyers.

The patents formerly contained in this subclass have been placed in class 214, Material or Article Handling, subclass 3, Pole or tree handlers.

WM. A. KINNAN,
Acting Commissioner.

TRADE-MARKS

OFFICIAL GAZETTE, AUGUST 21, 1923.

[VOL. 313. NO. 3.]

The following trade-marks are published in compliance with section 6 of the act of February 20, 1905, as amended March 2, 1907. Notice of opposition must be filed within thirty days of this publication.

Marks applied for "under the ten-year proviso" are registrable under the provision in clause (b) of section 5 of said act as amended February 18, 1911.

As provided by section 14 of said act, a fee of ten dollars must accompany each notice of opposition.

Ser. No. 137,861. (CLASS 21. ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES.) SUNBEAM ELECTRIC MANUFACTURING CO., Evansville, Ind. Filed Oct. 2, 1920.



No claim is made to the representation of a power plant and an electric light apart from the mark shown in the drawing without, however, waiving applicant's common law rights to said representation.

Particular description of goods.—Unitary Electric Light and Power Plants.

Claims use since July 31, 1920.

Ser. No. 140,398. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) PUGET SOUND OIL WORKS, INC., Seattle, Wash. Filed Nov. 29, 1920.



No claim is made for the word "Oil" apart from the trade-mark shown.

Particular description of goods.—Vegetable Oil for Edible Purposes.

Claims use since Nov. 1, 192

Ser. No. 140,791. (CLASS 45. BEVERAGES, NONALCOHOLIC.) JOHN D. FLETCHER, Louisville, Ky., assignor to Ryco Extract Company, Louisville, Ky., a Corporation of Kentucky. Filed Dec. 8, 1920.



Trade-mark "Ryco."

Particular description of goods.—Nonalcoholic, Maltless, Beverage Sold as a Soft Drink.

Claims use since July 30, 1920.

Ser. No. 148,033. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) THE PUTNAM-HOOKER COMPANY, Cincinnati, Ohio, and New York, N. Y. Filed May 21, 1921.

ARGONAUT

Particular description of goods.—Gray and Colored (Woven with Colored Thread), Bleached, Dyed, Napped Fabrics; Knitted, Netted, and Textile Fabrics.

Claims use since Apr. 29, 1921.

Ser. No. 150,779. (CLASS 27. HOROLOGICAL INSTRUMENTS.) STEIN & ELLBOGEN COMPANY, Chicago, Ill. Filed July 21, 1921.

The Roosevelt

The name "Roosevelt" of this trade-mark is that of former President of the United States, Theodore Roosevelt.
Particular description of goods.—Watches.
Claims use since Apr. 18, 1921.

Ser. No. 151,098. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) PURITAS FARMS, INC., Newburgh, N. Y. Filed July 29, 1921.

PURITAS

Particular description of goods.—Dairy Products—Namely, Cheese, Butter, and Eggs.
Claims use since 1913.

Ser. No. 154,589. (CLASS 28. JEWELRY AND PRECIOUS-METAL WARE.) THE RALPH J. GILLETT IMPORTING COMPANY, Cleveland, Ohio. Filed Oct. 26, 1921.

The Ralph J. Gillett Importing Co.

Particular description of goods.—Jewelry for Personal Wear, Not Including Watches, and Silverware, Flat and Hollow Tableware, and Toilet Ware Composed Wholly or in Part of Silver.
Claims use since on or about Aug. 22, 1921.

Ser. No. 157,069. (CLASS 38. PRINTS AND PUBLICATIONS.) LIFE PLANNING INSTITUTE, Chicago, Ill. Filed Dec. 23, 1921.

CREATION · VISION · EXERTION
LIFE-PLANNING INSTITUTE
OVER 50
CREATIVE · RULERSHIP

Particular description of goods.—Books and Pamphlets of an Educational Nature Published as a Set or Series and Published and Reprinted from Time to Time.
Claims use since Nov. 23, 1921.

Ser. No. 157,760. (CLASS 39. CLOTHING.) DOLLY MADISON DRESSES, INC., New York, N. Y. Filed Jan. 11, 1922.

Dolly Madison

The picture is fanciful.
Particular description of goods.—Misses' Dresses.
Claims use since Oct. 21, 1920.

Ser. No. 158,534. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) FRANK T. MORRISSEY, doing business as Lowell Products Company, Lowell, Mass. Filed Jan. 27, 1922.

TESTED
Tried & True

No claim is made to the word "Tested" except when associated with the trade-mark as shown.
Particular description of goods.—Food-Flavoring Extracts.
Claims use since Mar. 19, 1921.

Ser. No. 160,168. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) HENRY J. VINKEMULDER, doing business as The Vinkemulder Co., Grand Rapids, Mich. Filed Mar. 3, 1922.



BANANAS

The word "Bananas" and the representation of a bunch of bananas is hereby disclaimed apart from the other features of the mark.
Particular description of goods.—Bananas.
Claims use since July 15, 1921.

Ser. No. 160,196. (CLASS 38. PRINTS AND PUBLICATIONS.) DAVID LOESER, doing business as New York Intravenous Laboratory, East Orange, N. J., and New York, N. Y. Filed Mar. 4, 1922.

Journal of Intravenous Therapy

Particular description of goods.—Publications Published Periodically Every Three Months.
Claims use since May, 1920.

Ser. No. 160,288. (CLASS 26. MEASURING AND SCIENTIFIC APPLIANCES.) RUDOLFO HUBER, Nashville, Tenn. Filed Mar. 7, 1922.

ADDIATOR-SALDO-MASCHINE

No registration rights are claimed for the words "Saldo Maschine" apart from the mark shown in the drawing; but applicant waives none of its common-law rights in said mark or any element thereof.
Particular description of goods.—Pocket Calculating Machines.
Claims use since Oct. 20, 1921.

Ser. No. 162,197. (CLASS 29. BROOMS, BRUSHES, AND DUSTERS.) PITTSBURGH PLATE GLASS CO. RENNOUS-KLEINLE DIVISION, Baltimore, Md. Filed Apr. 12, 1922.

TYCOON

Particular description of goods.—Paint, Varnish, Whitewash, Sash, Calcimine, Plasterers', Paper-Hangers', Dusting, Sweeping, Artists', Stencil, Glue, Scrubbing, Washing, and Rubbing Brushes.
Claims use since Oct. 1, 1891.

Ser. No. 162,318. (CLASS 22. GAMES, TOYS, AND SPORTING GOODS.) SELRITE PRODUCTS INC., New York, N. Y. Filed Apr. 14, 1922.

HOME RUN BABE

Particular description of goods.—Animated-Figure Toys.
Claims use since about Mar. 22, 1922.

Ser. No. 162,699. (CLASS 35. BELTING, HOSE, MACHINERY PACKING, AND NONMETALLIC TIRES.) TWIN PISTON RING CORPORATION, West Orange, N. J. Filed Apr. 21, 1922.



No claim is made to the words "Twin Diamond Hammered Piston Ring" and "A Product of Scientific Research," nor to the representation of a pair of piston rings, apart from the mark as shown.
Particular description of goods.—Piston Rings.
Claims use since Apr. 15, 1922.

Ser. No. 162,749. (CLASS 14. METALS AND METAL CASTINGS AND FORGINGS.) LUDLUM STEEL COMPANY, Watervliet, N. Y. Filed Apr. 22, 1922.

PURPLE HOT

Particular description of goods.—Alloy Steel.
Claims use since Feb. 24, 1922.

Ser. No. 162,750. (CLASS 14. METALS AND METAL CASTINGS AND FORGINGS.) LUDLUM STEEL COMPANY, Watervliet, N. Y. Filed Apr. 22, 1922.

PURPLE HARD

Particular description of goods.—Alloy Steel.
Claims use since Feb. 24, 1922.

Ser. No. 162,932. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) WILLIAM H. JOHNSON, New York, N. Y., assignor to The Tin Decorating Company of Baltimore, Baltimore, Md., a Corporation of New Jersey. Filed Apr. 26, 1922.

PETER RABBIT

Particular description of goods.—Peanut Butter, Butter, Cereals, Spices, Coffee, Tea, Chocolate; Vegetables, Fresh, Dried, Preserved, and Canned; Fruits, Fresh, Citrous, and Deciduous, Dried, Preserved, and Canned; Fish, Fresh, Dried, Smoked, Pickled, and Canned; Sugar, Powdered, Cube, and Granulated; Canned Soups; Flour, Wheat, Rye, and Buckwheat; Cake, Bread, Macaroni, Spaghetti, Chewing Gums, Candies; Nuts, Unshelled, Shelled, Salted, Roasted, and Candied; Ice Cream; Milk, Fresh, Treated, Desiccated, and Condensed; Flavoring Extracts for Flavoring Food Products, Jams, Jellies, Marmalades, Honey, Pop-Corn, and Edible Oils.
Claims use since Apr. 21, 1922.

Ser. No. 163,111. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) REGAL SUPPLY CORPORATION, New York, N. Y. Filed Apr. 29, 1922.



The word "Products" is disclaimed apart from the mark as shown in the drawing.
Particular description of goods.—Baking Powder and Cream of Tartar.
Claims use since Mar. 1, 1922.

Ser. No. 163,242. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) UNITED FRUIT COMPANY, Boston, Mass. Filed May 2, 1922.



The drawing is lined to show the colors yellow and blue.
Particular description of goods.—Dairy Products—Namely, Condensed Milk, Evaporated Milk, Milk Powder, Malted Milk; Coffee, Whole, Ground, or Pulverized and with or without Added Ingredients; Tea, Cocoa, and Cocoa Powder, with or without Added Ingredients; Flavoring Extracts for Food and Baking Purposes; Cured Meats—Namely, Bacon, Ham, Corned Beef, Tongue, and Dried Beef; Canned Meats—Namely, Beef Products, Pork Products, Mutton Products, and Poultry Products; Canned Vegetables, Canned Fruits, Canned Fish; Fruit Jams, Fruit Jellies, Fruit Preserves, Olives, Pickles; Farinaceous Products—Namely, Wheat Flour, Macaroni, Spaghetti, and Vermicelli.
Claims use since Apr. 19, 1922.

Ser. No. 163,245. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) UNITED FRUIT COMPANY, Boston, Mass. Filed May 2, 1922.



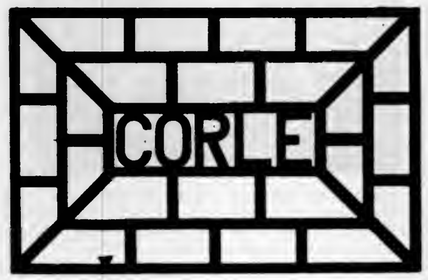
The drawing is lined to show the colors red and blue.
Particular description of goods.—Dairy Products—Namely, Condensed Milk, Evaporated Milk, Milk Powder, Malted Milk; Coffee, Whole, Ground, or Pulverized, and with or without Added Ingredients; Tea, Cocoa, and Cocoa Powder, with or without Added Ingredients; Flavoring Extracts for Food and Baking Purposes; Cured Meats—Namely, Bacon, Ham, Corned Beef, Tongue, and Dried Beef; Canned Meats—Namely, Beef Products, Pork Products, Mutton Products, and Poultry Products; Canned Vegetables, Canned Fruits, Canned Fish; Fruit Jams, Fruit Jellies, Fruit Preserves, Olives, Pickles; Farinaceous Products—Namely, Wheat Flour, Macaroni, Spaghetti, and Vermicelli.
Claims use since Apr. 19, 1922.

Ser. No. 163,347. (CLASS 13. HARDWARE AND PLUMBING AND STEAM-FITTING SUPPLIES.) THE SUN PATENT DEVELOPING CO., St. Louis, Mo. Filed May 8, 1922.

SUN

Particular description of goods.—Shoe Heel Plates, Shoe Toe Plates, and Shoe Toe Protectors.
Claims use since May 1, 1921.

Ser. No. 164,157. (CLASS 36. MUSICAL INSTRUMENTS AND SUPPLIES.) ELISHA L. CORLE, Hutchinson, Kans. Filed May 20, 1922.



Particular description of goods.—Phonographs.
Claims use since September, 1920.

Ser. No. 164,348. (CLASS 43. THREAD AND YARN.) SOCIETE GENERALE DE SOIE ARTIFICIELLE PAR LE PROCEDE VISCOSE, Brussels, Belgium. Filed May 23, 1922.



Particular description of goods.—Artificial-Silk Thread.
Claims use since December, 1921.

Ser. No. 164,386. (CLASS 22. GAMES, TOYS, AND SPORTING GOODS.) CORTLAND LINE CO. INC., Cortland, N. Y. Filed May 24, 1922.



No claim made to the exclusive use of the words "Professional Silk Casting Line, 50 Yds., No. 2, Test 10 Lbs., Medium Soft Braid" apart from the mark as shown in the drawing.
Particular description of goods.—Silk Fishing Lines.
Claims use since May 26, 1916.

Ser. No. 164,682. (CLASS 29. BROOMS, BRUSHES, AND DUSTERS.) WIZARD PRODUCTS COMPANY, Chicago, Ill. Filed May 29, 1922.

WIZARD

Particular description of goods.—Twisted-Wire Brushes, Including Shower Brushes, Flesh Brushes, Bath Brushes, Dental Plate Brushes, Manicure Brushes, Millinery Brushes, Complexion Brushes, Phonograph-Record Brushes, Clothes Brushes, Shampoo Brushes, Hairbrushes, Hat Brushes, Bathtub Brushes, Percolator Brushes, Vegetable Brushes, Nursing-Bottle Brushes, Toilet-Bowl Brushes, Spout Brushes, Bottle Brushes, Pastry Brushes, Sink Brushes, Spoke Brushes, Radiator Brushes, Spark-Plug Brushes, Refrigerator Brushes, Toothbrushes, and Crumb Brushes.
Claims use since Feb. 1, 1920.

Ser. No. 165,580. (CLASS 36. MUSICAL INSTRUMENTS AND SUPPLIES.) CHAUTAUQUA PHONOGRAPH COMPANY, INC., Wilmington, Del., and Washington, D. C. Filed June 16, 1922.



The words "Silver Creek, New York," are disclaimed apart from the mark shown in the drawing.
Particular description of goods.—Phonographs.
Claims use since July, 1920.

Ser. No. 165,626. (CLASS 17. TOBACCO PRODUCTS.) HALLERCZYK CIGAR COMPANY, Chicago, Ill. Filed June 17, 1922.

GENERAL HALLER

Particular description of goods.—Cigars.
Claims use since Oct. 22, 1921.

Ser. No. 165,900. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) THE UBIKO MILLING COMPANY, Cincinnati, Ohio. Filed June 22, 1922.

CRUSADER

Particular description of goods.—Stock Feed, Particularly Horse and Mule Feed.
Claims use since May 17, 1922.

Ser. No. 166,124. (CLASS 21. ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES.) THE AEOLIAN COMPANY, New York, N. Y. Filed June 27, 1922.

Pianola

Particular description of goods.—Assembled Radio Transmitting and Receiving Sets.
Claims use since prior to June 14, 1922.

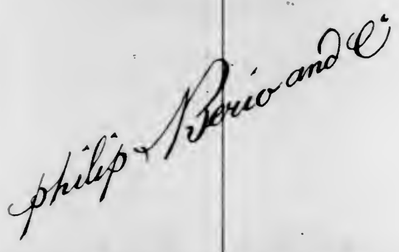
Ser. No. 166,964. (CLASS 22. GAMES, TOYS, AND SPORTING GOODS.) UNITED STATES FOIL COMPANY, Louisville, Ky. Filed July 15, 1922.

TRICKLE-ICE

Particular description of goods.—Shredded Tin Foil for Christmas-Tree and Other Decorative Purposes.
Claims use since Apr. 10, 1922.

Ser. No. 167,364. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) F. ROMEO & Co., INC., New York, N. Y. Filed July 25, 1922.





Particular description of goods.—Olive Oil.
Claims use since January, 1896.

Ser. No. 167,753. (CLASS 37. PAPER AND STATIONERY.) H. P. ANDREWS PAPER COMPANY, New York, N. Y. Filed Aug. 3, 1922.

COMET INDEX

No rights are asserted to the exclusive use of the word "Index" apart from the trade-mark shown in the drawing.
Particular description of goods.—Index Bristol Paper.
Claims use since November, 1918.

Ser. No. 167,754. (CLASS 37. PAPER AND STATIONERY.) H. P. ANDREWS PAPER COMPANY, New York, N. Y. Filed Aug. 3, 1922.

PAR BOND

The word "Bond" is disclaimed apart from the trade-mark as shown in the drawing.
Particular description of goods.—Bond Paper.
Claims use since December, 1911.

Ser. No. 167,757. (CLASS 37. PAPER AND STATIONERY.) H. P. ANDREWS PAPER COMPANY, New York, N. Y. Filed Aug. 3, 1922.

WORTH LEDGER

No claims are asserted to the exclusive use of the word "Ledger" apart from the trade-mark shown in the drawing.
Particular description of goods.—Ledger Paper.
Claims use since December, 1911.

Ser. No. 167,805. (CLASS 34. HEATING, LIGHTING, AND VENTILATING APPARATUS, NOT INCLUDING ELECTRICAL APPARATUS.) ENTERPRISE FOUNDRY COMPANY, Belleville, Ill. Filed Aug. 4, 1922.



Particular description of goods.—Pipe and Pipeless Cast-Iron Warm-Air Furnaces.
Claims use since Oct. 1, 1921.

Ser. No. 168,094. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) AMBROSIA CHOCOLATE CO., Milwaukee, Wis. Filed Aug. 11, 1922.



Particular description of goods.—Candy.
Claims use since August, 1915.

Ser. No. 168,183. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) WARD BAKING COMPANY, New York, N. Y. Filed Aug. 12, 1922.



Particular description of goods.—Bread, Cake, and a Vitamine-Containing Product Used as an Ingredient in the Manufacture of Bread, Cake, and Other Bakery, Cereal, and Food Products.
Claims use since July 27, 1922.

Ser. No. 168,722. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) NEW YORK CANNERS, INC., Rochester, N. Y. Filed Aug. 26, 1922.



Particular description of goods.—Canned Fruits and Canned Vegetables.
Claims use since 1900.

Ser. No. 168,806. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) LOUIS SCHWAB, doing business as Stevens & Co., New York, N. Y. Filed Aug. 28, 1922.

SPEED-UP

Particular description of goods.—Tools and Appliances for Readjusting, Removing, Repairing, and Replacing Parts and Portions of Automotive Vehicles, and Appliances for Removing, Repairing, and Replacing Parts and Portions of Automobile Engines and Vehicles and Their Accessories, Particularly Reamers, Cutters, Grinders, Drills, Scrapers, Files, Punches, Taps, Dies, Jigs, Extractors, and Insertors for Bushings, Gears, and the Like, Swages, Expanders, Bearing Replacing and Repairing Appliances, Spring Lifters, Part Holders, Vises, Clamps, Grippers and Compressors, and Lubricators.
Claims use since July 15, 1919.

Ser. No. 168,925. (CLASS 21. ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES.) JACKSON & FINKENAUR, New York, N. Y. Filed Aug. 31, 1922.

"MESSENGER"

Particular description of goods.—Radio Receiving Sets.
Claims use since June 7, 1922.

Ser. No. 169,530. (CLASS 36. MUSICAL INSTRUMENTS AND SUPPLIES.) SAXRAC COMPANY, Los Angeles, Calif. Filed Sept. 16, 1922.

SAXRAC

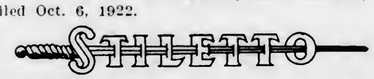
Particular description of goods.—Racks for Supporting Musical Instruments When not in Use.
Claims use since Aug. 1, 1922.

Ser. No. 169,719. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) C. H. LEACH COMPANY, Boston, Mass. Filed Sept. 20, 1922.



No claim is made specifically to the word "Control" apart from the mark shown in the drawing.
Particular description of goods.—Oil Condensers, Heat Exchangers, and Dephlegmators.
Claims use since on or about Sept. 9, 1922.

Ser. No. 170,354. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) BAKER, HAMILTON & PACIFIC COMPANY, San Francisco, Calif. Filed Oct. 6, 1922.



Particular description of goods.—Adzes, Auger Bits, Axes, Backsaws, Barley or Straw Forks, Beet Knives, Bit Braces, Bit Extensions, Brick Trowels, Butcher Knives, Butcher Saws, Cane Knives, Cape Chisels, Car Bits, Carpenter and Implement Tool Handles, Carpenters' Cabinet Scrapers, Carpenters' Drawing Knives, Carpenters' Pincers, Carpenters' Planes, Carpenters' Tool Chisels, Carpenters' Wood Gouges, Carpenters' Wood Slickers, Carvers, Center Punches, Claw Bars, Cleavers, Crescent Pattern Wrenches, Drills, Expansive Bits, Files, Food Choppers, Garden Rakes, Garden Trowels, Grape Knives, Grape Shears, Grass Shears, Hack-Saw Frames, Hammers, Hand Saws, Handled Field or Garden Hoes, Hatchets; Hay, Cargo, and Box Hooks; Hayforks, Header Forks, Hedge Shears, Keyhole Saws, Kitchen Saws, Knife-Handled Wrenches, Lawn Mowers, Level Head Rakes, Machine Punches, Machinists' Cold Chisels, Manure Forks, Mattocks, Nail Sets, One and Two Man Cross Cut Saws, Pipe Wrenches, Planters' or Strawberry Hoes, Plastering Trowels, Pliers, Plumbers' Calking Tools, Pocketknives, Pointing Trowels, Pruning Shears, Push Punches, Putty Knives, Razors, Revolving Punches, Saddlers' Punches, Saw Clamps, Saw Handles, Saw Sets, Scissors and Shears, Scraping Knives, Screw Drivers, Scythes, Section or Drift Pin Punches, Ship Auger Bits, Shovels, Solid Punches, Spading Forks, Table Cutlery of Base Metal (Consisting of Knives and Forks), Ticket or Conductor Punches, Tinners' Mallets, Tinners' Snips, Tool Grinders, Wood Saws (Bucksaws) and Blades, and Their Parts.

Claims use since May, 1896, on butcher knives, pocket knives, razors, scissors, and shears; since September, 1900, on tool grinders; since January, 1901, on beet knives, carvers, cleavers, grape knives, putty knives, scraping knives, and table cutlery; since January, 1906, on auger bits, bit braces, car bits, expansive bits, files, ship auger bits; since September, 1908, on adzes, axes, backsaws, brick trowels, butcher saws, cane knives, cape chisels, carpenter and implement tool handles, carpenters' cabinet scrapers, carpenters' drawing knives, carpenters' pincers, carpenters' planes, carpenters' tool chisels, carpenters' wood gouges, carpenters' wood slickers, center punches, claw bars, drills, grape shears, grass shears, hack-saw frames, hammers, handsaws, hatchets, hay, cargo, and box hooks, hedge shears, keyhole saws, kitchen saws, knife-handled wrenches, lawn mowers, machine punches, machinists' cold chisels, mattocks, nail sets, one and two man crosscut saws, pipe wrenches, plastering trowels, pliers, plumbers' calking tools, pointing trowels, pruning shears, push punches, revolving punches, saddlers' punches, saw clamps, saw handles, saw sets, screw drivers, section or drift pin punches, shovels, solid punches, ticket or conductor punches, tinners' mallets, tinners' snips, wood saws (bucksaws) and blades; since July, 1912, on food choppers; since January, 1920, on garden trowels and scythes; since November, 1921, on crescent pattern wrenches; since May, 1922, on bit extensions; since January, 1923, on barley or straw forks, garden rakes, handled field or garden hoes, hay forks, header forks, level head rakes, manure forks, planters' or strawberry hoes, and spading forks.

Ser. No. 170,512. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) WARD BAKING COMPANY, New York, N. Y. Filed Oct. 9, 1922.



Particular description of goods.—Bread.
Claims use since Sept. 22, 1922.

Ser. No. 170,781. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) PARKE, DAVIS & COMPANY, Detroit, Mich. Filed Oct. 16, 1922.

CHLORETONE

Particular description of goods.—Hypnotic and Antispasmodic.
Claims use since about Oct. 3, 1899.

Ser. No. 171,405. (CLASS 37. PAPER AND STATIONERY.) H. P. ANDREWS PAPER COMPANY, New York, N. Y. Filed Oct. 31, 1922.

METEOR INDEX

The word "Index" is disclaimed apart from the trade-mark as shown in the drawing.
Particular description of goods.—Index Bristol Paper.
Claims use since December, 1918.

Ser. No. 171,407. (CLASS 37. PAPER AND STATIONERY.) H. P. ANDREWS PAPER COMPANY, New York, N. Y. Filed Oct. 31, 1922.

SILKO MANIFOLD

No claims are asserted to the exclusive use of the word "Manifold" apart from the trade-mark shown in the drawing.
Particular description of goods.—Thin Soft Paper Suitable for Making Numerous Copies.
Claims use since November, 1918.

Ser. No. 171,786. (CLASS 37. PAPER AND STATIONERY.) CHICAGO PAPER COMPANY, Chicago, Ill. Filed Nov. 10, 1922.

FIDELIS

Particular description of goods.—Printing and Writing Paper.
Claims use since Dec. 21, 1922.

Ser. No. 171,817. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) RICH-MAID MFG. CO. INC., Richmond, Va. Filed Nov. 10, 1922.

KORN KRISPS

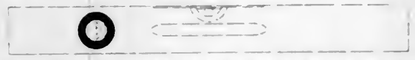
Particular description of goods.—Pop-Corn Confection.
Claims use since July 24, 1922.

Ser. No. 172,194. (CLASS 39. CLOTHING.) ASSOCIATED MERCHANDISING CORPORATION, Newark, N. J., and New York, N. Y. Filed Nov. 17, 1922.

Barbara Lee.

The mark is a facsimile of the name "Barbara Lee" as written by Mrs. Charles Carroll McComas Enright.
Particular description of goods.—Women's Dresses and Hosiery.
Claims use since Sept. 20, 1922, to women's dresses; since Jan. 3, 1923, to hosiery.

Ser. No. 172,297. (CLASS 26. MEASURING AND SCIENTIFIC APPLIANCES.) THE STANLEY WORKS, New Britain, Conn. Filed Nov. 20, 1922.



The illustration of a level forms no part of the mark and is disclaimed apart from the mark as shown. The mark consists in a blackened plumb view. In the drawing there is shown a level in dotted lines for the purpose of illustrating the application of the mark.
Particular description of goods.—Levels.
Claims use since about Mar. 2, 1910.

Ser. No. 172,634. (CLASS 21. ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES.) BRANFORD ELECTRIC COMPANY, INC., New York, N. Y. Filed Nov. 28, 1922.

GLO — RAY

Particular description of goods.—Electric Appliances—Namely, Electric Resistance Wires, Electric Ranges, Electric Table Stoves, Electric Space Heaters, Electric Radiators, Electric Chafing Dishes, Electric Percolators, Electric Toasters, Electric Sadirons, Electric Bulbs, Electric Curling Irons, Electric Tableware, and Electric Furnaces.
Claims use since about 1916.

Ser. No. 172,932. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) CALIFORNIA PRUNE & APRICOT GROWERS, INC., San Jose, Calif., assignor to California Prune & Apricot Growers Association, San Jose, Calif., a Corporation of California. Filed Dec. 5, 1922.



Particular description of goods.—Salad and Cooking Oils, Macaroon Paste, and Deamygdalinized Kernels of Fruit Pits, Crystallized Fruit Candies, Melons, Fresh Vegetables, Dehydrated Vegetables.
Claims use since July 1, 1917.

Ser. No. 173,091. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) ARTHUR O. KLAUSER, doing business as The Von Kapff Inhaler Co., Toledo, Ohio. Filed Dec. 8, 1922.

INHALATORIUM

Particular description of goods.—Medicines for Respiratory Passages.
Claims use since January, 1915.

Ser. No. 173,443. (CLASS 1. RAW OR PARTLY-PREPARED MATERIALS.) HENRY ROSENBERG, New York, N. Y. Filed Dec. 16, 1922.

HENROSINE

Particular description of goods.—Fur Pelts.
Claims use since Oct. 30, 1922.

Ser. No. 173,444. (CLASS 28. JEWELRY AND PRECIOUS-METAL WARE.) ESTHER C. SHAPIRO, doing business as American Diamond & Jewelry Co., Chicago, Ill. Filed Dec. 16, 1922.

"HEIRLOOM PEARLS"

No claim made to the word "Pearls" apart from the mark shown on the drawing.
Particular description of goods.—Pearls, Pearl Necklaces, and Pearl-Mounted Jewelry for Personal Wear, Not Including Watches.
Claims use since June 20, 1921.

Ser. No. 173,701. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) ELLEN TERRY COOK, Buffalo, N. Y. Filed Dec. 22, 1922.



No claim is made to the special form of the word "Redoyl" and apart from the association shown.
Particular description of goods.—Emollient for Treating Feet.
Claims use since Dec. 16, 1922.

Ser. No. 173,891. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) SEIICHI KUBOTA, Tokyo, Japan. Filed Dec. 27, 1922.

PROZYMOL

Particular description of goods.—Preparation for Cancer in Liquid Form.
Claims use since Sept. 20, 1922.

Ser. No. 173,971. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) CHARLES R. MABEE, Chicago, Ill. Filed Dec. 29, 1922.

SUGAR JACK

Particular description of goods.—Live-Stock Feeds.
Claims use since June 10, 1921.

Ser. No. 174,040. (CLASS 38. PRINTS AND PUBLICATIONS.) WILL M. TRAER, Jacksonville, Fla. Filed Dec. 30, 1922.

THE
FLORIDA MAGAZINE SECTION

Particular description of goods.—Magazine.
Claims use since Nov. 1, 1922.

Ser. No. 174,215. (CLASS 35. BELTING, HOSE, MACHINERY PACKING AND NONMETALLIC TIRES.) RUBBER-WELD SALES COMPANY, Boston, Mass. Filed Jan. 5, 1923.



No claim is made to the exclusive use of the words "Trade Mark" apart from the mark as shown in the drawing.
Particular description of goods.—Rubber Repair Outfits—Namely, Rubber-Surface Buffers, Rubber Sheeting, and Rubber Cement.
Claims use since Dec. 27, 1922.

Ser. No. 174,237. (CLASS 24. LAUNDRY APPLIANCES AND MACHINES.) THE DAWN MFG. CO., Bridgeport, Conn. Filed Jan. 6, 1923.

DAWN

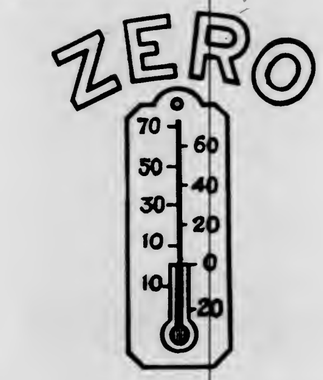
Particular description of goods.—Clothes or Laundry Washing Machines and Clothes Wringers.
Claims use since June 1, 1921.

Ser. No. 174,419. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) STEPHEN F. WHITMAN & SON, Philadelphia, Pa. Filed Jan. 10, 1923. Under section 9 of the act of Mar. 19, 1920.

Whitman's

Particular description of goods.—Instantaneous Chocolate, Marshmallow Whip, Flash Chocolate, Jiffy Milk Cocoa, Butter-Scotch Dressing, Hot-Chocolate Fudge Sauce, Pure Powdered Cocoa, Premium Chocolate, Cocoa, Baking Chocolate, and Chocolate Cake Icing.
Claims use since 1906 on instantaneous chocolate; since 1914 on marshmallow whip; since 1917 on flash chocolate, and jiffy milk cocoa; since 1915 on butter-scotch dressing, and hot-chocolate fudge sauce; since 1842 on pure powdered cocoa, and premium chocolate and cocoa; since Mar. 1, 1923, on baking chocolate, and chocolate cake icing.

Ser. No. 174,421. (CLASS 39. CLOTHING.) ADSIT AND RUGG INC., Burlington, Vt. Filed Jan. 11, 1923.



Particular description of goods.—Sheep-Lined Fur Coats, Overcoats, Hosiery; Men's, Women's, and Children's Knitted Fabric Underwear; Sweaters, Neckscarfs, and Flannel Work Shirts.
Claims use since Dec. 1, 1919.

Ser. No. 174,447. (CLASS 39. CLOTHING.) HOLLANDER-LEWIS CO., INC., Pittsburgh, Pa. Filed Jan. 11, 1923.



Particular description of goods.—Men's Trousers, Excepting Rubber or Waterproof Trousers.
Claims use since Feb. 1, 1899.

Ser. No. 174,501. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) WARD BAKING COMPANY, New York, N. Y. Filed Jan. 11, 1923.

GUARANTY

Particular description of goods.—Bread.
Claims use since Jan. 4, 1923.

Ser. No. 174,522. (CLASS 1. RAW OR PARTLY-PREPARED MATERIALS.) INTERNATIONALE GALALITH-GESELLSCHAFT HOFF & Co., Harburg, Germany. Filed Jan. 12, 1923.

Kugelblitz

Particular description of goods.—Casein for the Production of Artificial Horn; Artificial Horn in the Form of Rods, Sheets, and Other Forms.
Claims use since Apr. 10, 1922.

Ser. No. 174,530. (CLASS 22. GAMES, TOYS, AND SPORTING GOODS.) SHEFFIELD MFG. CO., Burr Oak, Mich. Filed Jan. 12, 1923.

Speed King

Trade-mark "Speed King."
Particular description of goods.—Children's Hand Sleds.
Claims use since June, 1922.

Ser. No. 174,880. (CLASS 38. PRINTS AND PUBLICATIONS.) A. H. BELO & COMPANY, INCORPORATED, Galveston, Tex. Filed Jan. 22, 1923. Under ten-year proviso.

The Galveston Daily News

"The Galveston Daily News."
Particular description of goods.—Daily Newspaper.
Claims use since about 1842.

Ser. No. 174,881. (CLASS 38. PRINTS AND PUBLICATIONS.) A. H. BELO & COMPANY, INCORPORATED, Galveston and Dallas, Tex. Filed Jan. 22, 1923. Under ten-year proviso.

The Dallas Morning News

"The Dallas Morning News."
Particular description of goods.—Daily Newspaper.
Claims use since Oct. 1, 1885.

Ser. No. 174,882. (CLASS 38. PRINTS AND PUBLICATIONS.) A. H. BELO & COMPANY, INCORPORATED, Galveston and Dallas, Tex. Filed Jan. 22, 1923.

THE DALLAS JOURNAL

"The Dallas Journal."
Particular description of goods.—Daily Newspaper.
Claims use since Jan. 1, 1920.

Ser. No. 174,883. (CLASS 38. PRINTS AND PUBLICATIONS.) A. H. BELO & COMPANY, INCORPORATED, Galveston and Dallas, Tex. Filed Jan. 22, 1923.

The Semi-Weekly Farm News

"The Semi-Weekly Farm News."
Particular description of goods.—Semiweekly Agricultural Newspaper.
Claims use since Jan. 1, 1909.

Ser. No. 174,922. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) THE QUAKER OATS COMPANY, Chicago, Ill. Filed Jan. 22, 1923.

AMERICAN HEN

Particular description of goods.—Poultry Feed.
Claims use since 1917.

Ser. No. 175,030. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) JOHN R. THOMPSON CO., Chicago, Ill. Filed Jan. 24, 1923. Under section 9 of the act of Mar. 19, 1920.

Thompson's

Particular description of goods.—Canned Goods—Namely, Golden Wax Beans, Early June Peas, Country Gentleman Corn, Tiny Beets, Beets, Maine Corn, Salmon, Cut Green Beans, Green Beans, Pork and Beans, Sweet Wrinkled Peas, Sauerkraut, Lye Hominy, Red Kidney Beans, Bartlett Pears, Strawberries, Black Raspberries, Red Raspberries, Royal Anne Cherries, Red Cherries, Blackberries, Hawaiian Pineapple, Peaches, Apricots, Coffee, Evaporated Milk, Telephone Peas, Tomatoes.
Claims use since July, 1920.

Ser. No. 175,061. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) BAY STATE MILLING CO., Winona, Minn. Filed Jan. 25, 1923.



No claim to "Winona" is made except in connection with the rest of the mark as shown, or words to similar effect.
Particular description of goods.—Wheat Flour.
Claims use since 1900.

Ser. No. 175,117. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) WESTERN GRAIN COMPANY, Birmingham, Ala. Filed Jan. 25, 1923.



Particular description of goods.—Corn Meal, Corn Grits, Horse Feed, Cow Feed, Hen Feed, Laying Mash, Growing Mash.
Claims use since 1892.

Ser. No. 175,194. (CLASS 4. ABRASIVE, DETERGENT, AND POLISHING MATERIALS.) HASKINS BROTHERS & COMPANY, doing business as Petroleum Soap Company, Omaha, Nebr.; Sioux City, Iowa, and St. Paul, Minn. Filed Jan. 27, 1923. Under ten-year proviso.



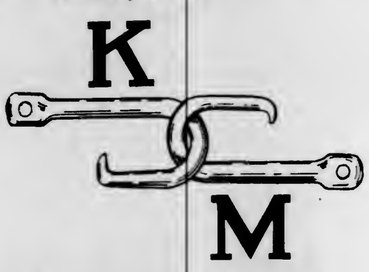
Particular description of goods.—Laundry Soap.
Claims use since 1891.

Ser. No. 175,217. (CLASS 22. GAMES, TOYS, AND SPORTING GOODS.) GEORGE W. SHEPPARD, San Francisco, Calif. Filed Jan. 27, 1923.

HEAD-ON HUMPTY

Particular description of goods.—Parlor Games Adapted to Being Played Upon a Table and Consisting of Interlocking Playing Pieces and Numbered Counters Together with Racks to Hold the Said Counters and a Tray in Which the Same May Be Mixed.
Claims use since Aug. 1, 1922.

Ser. No. 175,250. (CLASS 14. METALS AND METAL CASTINGS AND FORGINGS.) KISS AND CHOKA, Moline, Ill. Filed Jan. 29, 1923.



Particular description of goods.—Rail Chairs.
Claims use since on or about Dec. 4, 1922.

Ser. No. 175,257. (CLASS 4. ABRASIVE, DETERGENT, AND POLISHING MATERIALS.) MAGIC LEATHER TREATMENT COMPANY, Detroit, Mich. Filed Jan. 29, 1923.

Magic

Particular description of goods.—Preparation for Preserving and Making Flexible Canvas and Leather Belting.
Claims use since about Mar. 1, 1916.

Ser. No. 175,304. (CLASS 21. ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES.) DALE, FORTY & CO., LTD., London, England. Filed Jan. 30, 1923.

TELEOLA

Particular description of goods.—Valve Receiving and Transmitting Sets for Use in Wireless Telegraphy and Telephony and Crystal Receiving Sets for Use in Wireless Telegraphy and Telephony.
Claims use since December, 1921.

Ser. No. 175,312. (CLASS 11. INKS AND INKING MATERIALS.) CLARENCE GEORGE HICKOK, doing business as Scribners Ink Co., Portland, Oreg. Filed Jan. 30, 1923.

Scribner's Ink

No claim is made to the word "Ink" apart from the mark shown in the drawing.
Particular description of goods.—Writing Inks.
Claims use since Dec. 23, 1922.

Ser. No. 175,511. (CLASS 39. CLOTHING.) NEUMAN & SILVER, doing business as Lion Knitting Mills, Philadelphia, Pa. Filed Feb. 3, 1923.

RADIO

Particular description of goods.—Sweaters.
Claims use since about Dec. 1, 1921.

Ser. No. 175,684. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) TASTY BAKING COMPANY, Philadelphia, Pa. Filed Feb. 7, 1923.



Particular description of goods.—Toasted Sponge Cake or Slightly-Sweetened Bread.
Claims use since Jan. 17, 1923.

Ser. No. 175,692. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) CHARLES T. WHITTIER, New York, N. Y. Filed Feb. 7, 1923.

RADIO

Particular description of goods—Baking Powder.
Claims use since June, 1922.

Ser. No. 175,803. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) MODEL MILL COMPANY, Jackson, Tenn. Filed Feb. 9, 1923.



WHITE EAGLE

Particular description of goods.—Self-Rising Wheat Flour.
Claims use since Feb. 9, 1916

Ser No. 175,873. (CLASS 4. ABRASIVE, DETERGENT, AND POLISHING MATERIALS.) THE K. S. F. Co. INC., New Haven, Conn. Filed Feb. 10, 1923.



The words "Trade-Mark, Keeps Superior Finish" which appear on the drawing are hereby disclaimed apart from the mark shown.
Particular description of goods.—Preparation for Cleaning and Polishing of Automobile Running Gears, Preparation for Removing Road Oil from Automobiles, Preparation for the Cleaning of Automobile Windshields to Give a Clearer View in Case of Rain.
Claims use since Jan. 15, 1922.

Ser. No. 175,924. (CLASS 35. BELTING, HOSE, MACHINERY PACKING, AND NONMETALLIC TIRES.) WILLIAM ISAAC EWING, Atlanta, Ga. Filed Feb. 12, 1923.



No claim is made to the exclusive use of the words "Trade-Mark" apart from the mark as used. The mark shall consist of the picture of a lion with the word "Blue" printed just above his back between his head and tail.
Particular description of goods.—Inner-Tube Patches, Inner Tubes, Tire Shoes, and Automobile Tires.
Claims use since Jan. 16, 1922.

Ser. No. 176,187. (CLASS 38. PRINTS AND PUBLICATIONS.) INTERNATIONAL TRADE DEVELOPER, INC., Chicago, Ill. Filed Feb. 17, 1923.



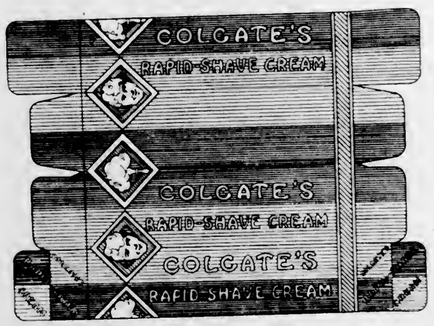
Particular description of goods.—Bimonthly and Annual Publication.
Claims use since Feb. 10, 1923.

Ser. No. 176,247. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) THE BATTLE CREEK FOOD COMPANY, Battle Creek, Mich. Filed Feb. 19, 1923.

VITA-BITS

Particular description of goods.—Cereal Breakfast Foods.
Claims use since Dec. 22, 1922.

Ser. No. 176,250. (CLASS 4. ABRASIVE, DETERGENT, AND POLISHING MATERIALS.) COLGATE & COMPANY, Jersey City, N. J. Filed Feb. 19, 1923.



Applicant without waiver of its common-law rights, makes no claim herein to the exclusive right to use the representation of a carton or to any of the words displayed upon the said mark other than "Colgate's" apart from the mark as shown. The purpose of the lining of the drawing is as follows: The heavy horizontal lining denotes light blue, the oblique lining denotes green, these being the colors usually used.
Particular description of goods.—Soap for Shaving.
Claims use since Dec. 22, 1921.

Ser. No. 176,347. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) THE JEFFREY MANUFACTURING CO., Columbus, Ohio. Filed Feb. 20, 1923.

TANKTRED

Particular description of goods.—Excavating, Elevating, and Conveying Machinery.
Claims use since Apr. 15, 1922.

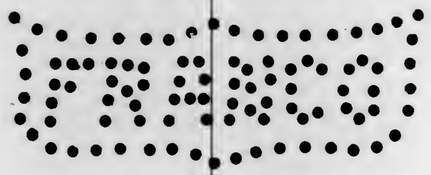
Serial No. 176,356. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) NORTH AMERICAN MERCANTILE CO., San Francisco, Calif. Filed Feb. 20, 1923.



The characters represent "Dalo," which means "Great King."

Particular description of goods.—Rice.
Claims use since Mar. 1, 1919.

Ser. No. 176,401. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) FRANCO-AMERICAN BAKING CO., Los Angeles, Calif. Filed Feb. 21, 1923.



Particular description of goods.—Rolls and Bread.
Claims use since Dec. 15, 1922.

Ser. No. 176,402. (CLASS 39. CLOTHING.) FRIEDMAN BROS. & SONS NECKWEAR CO., INC., New York, N. Y. Filed Feb. 21, 1923.

Bonny Bows

No claim is made to the word "Bows" apart from the mark shown on the drawing.

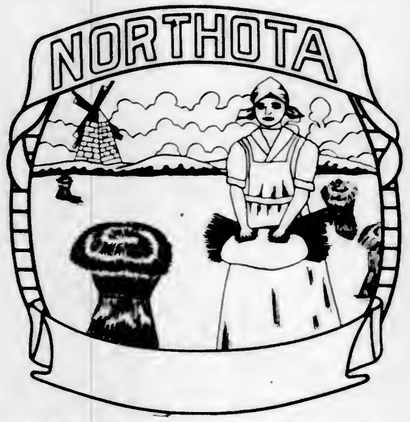
Particular description of goods.—Ties, Cravats, Four-in-Hand Ties, and Bow Ties.
Claims use since Feb. 15, 1922.

Ser. No. 176,422. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) NORTHFIELD FLOUR MILLS COMPANY, Northfield, Minn. Filed Feb. 21, 1923.

KORKER

Particular description of goods.—Wheat Flour.
Claims use since Jan. 3, 1923.

Ser. No. 176,423. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) NORTHFIELD FLOUR MILLS COMPANY, Northfield, Minn. Filed Feb. 21, 1923.



Particular description of goods.—Wheat Flour.
Claims use since Oct. 10, 1922.

Ser. No. 176,424. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) NORTHFIELD FLOUR MILLS COMPANY, Northfield, Minn. Filed Feb. 21, 1923.

Peter Pan



Particular description of goods.—Wheat Flour.
Claims use since Oct. 11, 1922.

Ser. No. 176,532. (CLASS 39. CLOTHING.) BAR, INC., New York, N. Y. Filed Feb. 24, 1923.

Babnit

Particular description of goods.—Ladies', Misses', and Children's Knitted Dresses, Suits, Waists, Blouses, Jumpers, and Pantalettes, Coats, Robes, and Capes.
Claims use since Oct. 21, 1921.

Ser. No. 176,854. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) RICHMOND DAIRY COMPANY, Richmond, Va. Filed Mar. 2, 1923.

SPRACEIN

Particular description of goods.—Material for Spraying Trees and Vegetables for Protection Against Parasites.
Claims use since about March, 1922.

Ser. No. 176,866. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) ABRAHAM WOLFE, doing business as Wolfe's Shoe Store, Plattsburg, N. Y. Filed Mar. 2, 1923.

MONEY BACK

Particular description of goods.—Corn Salve.
Claims use since Jan. 1, 1922.

Ser. No. 177,053. (CLASS 39. CLOTHING.) SCOT KNIT HOSIERY COMPANY, Harrisburg, Pa. Filed Mar. 6, 1923.

Mary Lee
HOSIERY

The trade-mark consists of the arbitrarily-chosen name "Mary Lee" as written by Clare M. Bashore, Harrisburg, Pa. No claim is made to the word "Hosiery" apart from the mark as shown.

Particular description of goods.—Hosiery.
Claims use since Jan. 1, 1923.

Ser. No. 177,066. (CLASS 36. MUSICAL INSTRUMENTS AND SUPPLIES.) BESSON & CO. LTD., London, England. Filed Mar. 7, 1923.

PROTOTYPE

Particular description of goods.—Wind Musical Instruments.
Claims use since May, 1861.

Ser. No. 177,159. (CLASS 38. PRINTS AND PUBLICATIONS.) THE AMERICAN RADIO RELAY LEAGUE, INC., Hartford, Conn. Filed Mar. 9, 1923.



Particular description of goods.—Booklets or Pamphlets.
Claims use since about January, 1920.

Ser. No. 177,216. (CLASS 36. MUSICAL INSTRUMENTS AND SUPPLIES.) THE CIRCLE MUSIC PUBLISHING COMPANY, Cincinnati, Ohio. Filed Mar. 10, 1923.

The CIRCLE # MUSIC PUBLISHING COMPANY

Particular description of goods.—Musical Instruments and Supplies Therefor, Consisting of Pianos, Talking Machines and Records Therefor, Oboes, French Horns, Trombones, Clarinets, Flutes, Piccolos; Bass, Tenor, and Alto Horns; Violins, Violoncellos, Bass Viols, Bass and Snare Drums, Cymbals, Strings for the Stringed Instruments Named, and the Various Parts of the Said Musical Instruments.
Claims use since Sept. 14, 1922.

Ser. No. 177,267. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) J. H. BRAUN & CO., Chicago, Ill. Filed Mar. 12, 1923.



No claim made to the words "Coffee," "Tea," and "Brand" apart from the mark shown in the drawing.

Particular description of goods.—Coffee and Tea.
Claims use since about Feb. 14, 1923.

Ser. No. 177,336. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) GEORGE URBAN MILLING COMPANY, Buffalo, N. Y. Filed Mar. 12, 1923.

URBAN'S



Particular description of goods.—Poultry Feeds.
Claims use since Mar. 2, 1923.

Ser. No. 177,362. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) EMILY RUSSELL CLAFLIN, Santa Monica, Calif. Filed Mar. 13, 1923.

Kangaroo Hut



Particular description of goods.—Fruit Marmalades.
Claims use since June 5, 1922.

Ser. No. 177,367. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) THE DEFIANCE GROCERY COMPANY, Defiance, Ohio. Filed Mar. 13, 1923.

KRO MOR

Particular description of goods.—Coffee, Tea, Cocoa, Spices, Breakfast Cereals, Wheat Flour, Prepared Mustard, Tomato Catchup, Canned Fruits, Evaporated Fruits, Canned Vegetables, Canned Pork and Beans, and Evaporated Milk.
Claims use since Dec. 5, 1922.

Ser. No. 177,498. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) MALTESE TEXTILE CORPORATION, New York, N. Y. Filed Mar. 15, 1923.

RADIUM

Particular description of goods.—Cotton Goods in the Piece—to wit, Poplins Used in the Manufacture of Shirts.
Claims use since about Oct. 25, 1922.

Ser. No. 177,523. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) SEDALIA MANUFACTURING COMPANY, Sedalia, Mo. Filed Mar. 15, 1923.

IDEAL

Particular description of goods.—Welding Flux.
Claims use since Oct. 21, 1922.

Ser. No. 177,581. (CLASS 34. HEATING, LIGHTING, AND VENTILATING APPARATUS, NOT INCLUDING ELECTRICAL APPARATUS.) BAKER-PERKINS MANUFACTURING CORPORATION, Saginaw, Mich. Filed Mar. 17, 1923.

BP

Particular description of goods.—Baking Ovens Heated by Gas, Alcohol, Steam, Gasoline, or Wood Used in the Preparation and Baking of Bread and Similar Products.
Claims use since September, 1922.

Ser. No. 177,622. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) CHARLES A. RAUSCHER & Co., Los Angeles, Calif. Filed Mar. 17, 1923.

Brandywine

Particular description of goods.—Mincemeat, Plum Pudding, and Fig Pudding.
Claims use since Nov. 18, 1922.

Ser. No. 177,730. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) FRONTIER ELEVATOR & MILL COMPANY, Buffalo, N. Y. Filed Mar. 20, 1923.

TECLO

Particular description of goods.—Wheat Flour.
Claims use since Feb. 23, 1923.

Ser. No. 177,754. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) WASHBURN-CROSBY COMPANY, Minneapolis, Minn. Filed Mar. 20, 1923.

DURELLA

Particular description of goods.—Wheat Flour.
Claims use since Feb. 17, 1923.

Ser. No. 177,768. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) MAX BRANDES, Brooklyn, N. Y. Filed Mar. 21, 1923.

DR. SHULMAN'S CROWN CORN SALVE

No claim made to the words "Corn Salve" apart from the mark shown.
Particular description of goods.—Corn Salve.
Claims use since Sept. 19, 1906.

Ser. No. 177,811. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) ALFOCORN MILLING COMPANY, doing business as Consolidated Mills Company, St. Louis, Mo. Filed Mar. 22, 1923.

COMICO

Particular description of goods.—Stock Feed.
Claims use since Jan. 25, 1923.

Ser. No. 177,837. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) GALETON DAIRY PRODUCTS COMPANY, Galeton, Pa. Filed Mar. 22, 1923.

RED MILL BRAND



The word "Brand" not claimed apart from the other features of the mark.
Particular description of goods.—Butter.
Claims use since Jan. 30, 1922.

Ser. No. 177,857. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) FRANCIS G. MATSON, Washington, D. C. Filed Mar. 22, 1923.



Particular description of goods.—Edible Food Comprised of a Frankfurter Incased in Dough Baked with the Frankfurter.
Claims use since Mar. 20, 1923.

Ser. No. 177,859. (CLASS 17. TOBACCO PRODUCTS.) MILTIADES MELACHRINO, New York, N. Y. Filed Mar. 22, 1923.

CROCODILE

Trade-mark consists of the word "Crocodile."
Particular description of goods.—Cigarettes.
Claims use since Mar. 14, 1923.

Ser. No. 177,918. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) FRANCIS G. MATSON, Washington, D. C. Filed Mar. 23, 1923.



Particular description of goods.—Edible Food Comprised of a Frankfurter Incased in the Dough Baked with the Frankfurter.
Claims use since Mar. 20, 1923.

Ser. No. 177,925. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) H. W. SCHWAB, INC., New York, N. Y. Filed Mar. 23, 1923.

500

Trade-mark consists of the numerals "500."
Particular description of goods.—Woolen Piece Goods Particularly Designed for Army and Marine Officers' Uniforms.
Claims use since Nov. 3, 1922.

Ser. No. 177,942. (CLASS 48. MALT BEVERAGES, EXTRACTS, AND LIQUORS.) WIELANDS INCORPORATED, doing business as Fredericksburg Brewing Company, San Francisco, Calif. Filed Mar. 23, 1923. Under ten-year proviso.

FREDERICKSBURG

Particular description of goods.—Alcoholic Malt or Cereal Beverages, Particularly Near Beer.
Claims use since 1887.

Ser. No. 177,991. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) M. C. PETERS MILL CO., Omaha, Nebr. Filed Mar. 24, 1923.

RED FEATHER

Particular description of goods.—Poultry Feeds.
Claims use since Sept. 15, 1907.

Ser. No. 177,993. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) M. C. PETERS MILL CO., Omaha, Nebr. Filed Mar. 24, 1923.



Particular description of goods.—Poultry Feeds.
Claims use since June 7, 1908.

Ser. No. 178,000. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) JOSEPH D. SALEM, doing business as Salem Laboratory, Chicago, Ill. Filed Mar. 24, 1923.

SALEM'S TABLETS

The drawing is lined to indicate green. No exclusive claim for the word "Tablets" is made apart from the mark shown.
Particular description of goods.—Tablets for Constipation, Liver, Kidneys, Stomach, and Bowels.
Claims use since July 20, 1912.

Ser. No. 178,001. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) JOSEPH D. SALEM, doing business as Salem Laboratory, Chicago, Ill. Filed Mar. 24, 1923.

SALEM Jos. D. Salem 19 12 LABORATORY

The drawing is lined to indicate green.
Particular description of goods.—Tablets for Constipation, Liver, Kidneys, Stomach, and Bowels.
Claims use since July 20, 1912.

Ser. No. 178,044. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) INTERNATIONAL MILLING COMPANY, Minneapolis, Minn. Filed Mar. 26, 1923.



ARMADA

Particular description of goods.—Wheat Flour.
Claims use since May, 1902.

Ser. No. 178,109. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) JOE LOWE CO. INC., Brooklyn, N. Y. Filed Mar. 27, 1923.

Dotty Delite

Particular description of goods.—Cake and Cake Mix.
Claims use since about Jan. 1, 1923.

Ser. No. 178,156. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) AMERICAN HOMINY COMPANY, Chicago, Ill. Filed Mar. 28, 1923.

SNOW FLAKE

Particular description of goods.—Hominy.
Claims use since Aug. 1, 1890.

Ser. No. 178,205. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) ARCADY FARMS MILLING COMPANY, Chicago, Ill. Filed Mar. 29, 1923.



Particular description of goods.—Prepared Stock Feed.
Claims use since Mar. 20, 1923.

Ser. No. 178,216. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) CLAUDE A. BROWN, doing business as Brownie Fruit Company, Los Angeles, Calif. Filed Mar. 29, 1923.



BROWNIE

Particular description of goods.—Fresh Vegetables, Fresh Grapes, and Fresh Cantaloupes.
Claims use since Jan. 1, 1923.

Ser. No. 178,229. (CLASS 40. FANCY GOODS, FURNISHINGS, AND NOTIONS.) THE CUTINO COMPANY, Kansas City, Mo. Filed Mar. 29, 1923.

IVO-WARE

No claim made to the word "Ware" appearing on the drawing apart from the mark shown.
Particular description of goods.—Toilet Combs of Nonmetallic Substances.
Claims use since April, 1921.

Ser. No. 178,231. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) DANYA, INC., New York, N. Y. Filed Mar. 29, 1923.

Danya

Particular description of goods.—Rouge Vanishing Cream.
Claims use since Mar. 8, 1923.

Ser. No. 178,249. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) JOHN HOFFMANN & SONS CO., Milwaukee, Wis. Filed Mar. 29, 1923.

HOFFMANN'S
FINEST QUALITY
H
SINCE 1876

The words "Finest Quality" do not form a part of the registration sought apart from the mark shown in the drawing.
Particular description of goods.—Evaporated Milk, Canned Vegetables, Canned Fruits, Canned Fish, Dried Fruits; Alimentary Pastes—viz, Macaroni, Spaghetti, Egg Noodles; Condiments, Sugar, Canned Shrimp, Coffee, Tea; Breakfast Cereals—viz, Rolled Oats, Wheat Cereal; Birdseed, and Cornstarch for Food Purposes.
Claims use since May, 1921.

Ser. No. 178,258. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) JOHN V. KISKER & CO., Cincinnati, Ohio. Filed Mar. 29, 1923.

COVE DALE

Particular description of goods.—Eggs.
Claims use since about March, 1921.

Ser. No. 178,265. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) MATTE LOCCI, doing business as Matte Locci Co., Chicago, Ill. Filed Mar. 29, 1923.

Locci

Particular description of goods.—French Dressing, Olive Oil, Cheese, and Cheese Dressing.
Claims use since Jan. 25, 1923.

Ser. No. 178,279. (CLASS 37. PAPER AND STATIONERY.) PENINSULAR PAPER COMPANY, Ypsilanti, Mich. Filed Mar. 29, 1923.

King Tut-Ankh-Amen

Particular description of goods.—Cover Paper.
Claims use since Mar. 23, 1923.

Ser. No. 178,289. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) PAUL O. SAMPSON, doing business as Life O Wheat Milling & Baking Co., Portland, Oreg. Filed Mar. 29, 1923.

LIFE-O'WHEAT

Particular description of goods.—Bread.
Claims use since Sept. 1, 1922.

Ser. No. 178,339. (CLASS 37. PAPER AND STATIONERY.) HEIDELBERGER FEDERHALTER-FABRIK KOCH, WEBER & CO. A.-G., Heidelberg, Germany. Filed Mar. 30, 1923.

Kaweco

Particular description of goods.—Penholders and Fountain Pens.
Claims use since April, 1907.

Ser. No. 178,340. (CLASS 37. PAPER AND STATIONERY.) HEIDELBERGER FEDERHALTER-FABRIK KOCH, WEBER & CO. A.-G., Heidelberg, Germany. Filed Mar. 30, 1923.

Ko-mio

Particular description of goods.—Fountain Pens, Penholders, Pencils, Lead Mine Pencils, Blotters, Pen Bowls.
Claims use since January, 1911.

Ser. No. 178,426. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) HORACE F. CALLOW, doing business as Kekionga Scalp Tonic Company, Decatur, Ind. Filed Apr. 2, 1923.

KEKIONGA
SCALP TONIC

The words "Scalp Tonic" appearing in drawing, being descriptive, are hereby disclaimed.
Particular description of goods.—Medical Compounds, Being a Liquid Preparation Composed of Drugs and Chemicals to be Used to Cleanse the Scalp and Preserve the Hair.
Claims use since March, 1922.

Ser. No. 178,437. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) FRANKLIN ICE CREAM COMPANY, Kansas City, Mo. Filed Apr. 2, 1923.

Froz-Ann

Particular description of goods.—Ice Cream.
Claims use since Mar. 28, 1923.

Ser. No. 178,475. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) THE SHERMAN COFFEE COMPANY, Sherman, Tex. Filed Apr. 2, 1923.

ROYAL BREAKFAST BRAND
Experience Prefers It
COFFEE

Applicant disclaims any right to the descriptive reading matter on the drawing, apart from the mark as shown.
Particular description of goods.—Roasted and Ground Coffee.
Claims use since Mar. 1, 1922.

Ser. No. 178,532. (CLASS 4. ABRASIVE, DETERGENT, AND POLISHING MATERIALS.) MARSHALL-WELLS COMPANY, Duluth, Minn. Filed Apr. 3, 1923.

Zenith

Particular description of goods.—Sand, Emery, and Garnet Paper; Emery and Garnet Cloth, Composition Sharpening Stones, Razor Hones, Razor Strops, Unmounted Hand and Grinding Wheels.
Claims use since about Mar. 1, 1923.

Ser. No. 178,537. (CLASS 22. GAMES, TOYS, AND SPORTING GOODS.) THE UNITED STATES PLAYING CARD COMPANY, East Norwood, Cincinnati, Ohio. Filed Apr. 3, 1923.

1002
愛蘭亭金邊撲克牌

The English translation of the Chinese characters appearing on the drawing is "Love," "Violet," "Pavilion," "Golden," "Edge," "Poker," and "Card." No claim made to the right to the exclusive use of the Chinese characters for "Golden," "Edge," "Poker," and "Card."
Particular description of goods.—Playing Cards.
Claims use since Feb. 9, 1923.

Ser. No. 178,538. (CLASS 22. GAMES, TOYS, AND SPORTING GOODS.) THE UNITED STATES PLAYING CARD COMPANY, East Norwood, Cincinnati, Ohio. Filed Apr. 3, 1923.

23
金邊鹿牌撲克牌

The English translation of the Chinese characters appearing on the drawing is "Golden, Edge, Deer, Brand, Poker, Card," no claim being made to the right to the exclusive use of the Chinese characters for "Golden," "Edge," "Brand," "Poker," and "Card."
Particular description of goods.—Playing Cards.
Claims use since Feb. 9, 1923.

Ser. No. 178,539. (CLASS 22. GAMES, TOYS, AND SPORTING GOODS.) THE UNITED STATES PLAYING CARD COMPANY, East Norwood, Cincinnati, Ohio. Filed Apr. 3, 1923.

合衆國撲克牌公司

The English translation of the Chinese characters appearing on the drawing is "United, States, Poker, Card, Co."
Particular description of goods.—Playing Cards.
Claims use since Feb. 9, 1923.

Ser. No. 178,544. (CLASS 38. PRINTS AND PUBLICATIONS.) WARWICK G. BATE, Newton Falls, Ohio. Filed Apr. 4, 1923.

THE SILENT MINISTER

Particular description of goods.—Prayer and Motto Cards.
Claims use since Mar. 25, 1923.

Ser. No. 178,609. (CLASS 4. ABRASIVE, DETERGENT, AND POLISHING MATERIALS.) HASKINS BROTHERS & COMPANY, Sioux City, Iowa, and Omaha, Nebr. Filed Apr. 5, 1923.

WHITE LILY

Particular description of goods.—Soap.
Claims use since 1865.

Ser. No. 178,658. (CLASS 11. INKS AND INKING MATERIALS.) DELLO INK CORP., New York, N. Y. Filed Apr. 6, 1923.

DELLO

Particular description of goods.—Writing Ink.
Claims use since Mar. 21, 1923.

Ser. No. 178,659. (CLASS 11. INKS AND INKING MATERIALS.) DELLO INK CORP., New York, N. Y. Filed Apr. 6, 1923.



The circular disk as shown in the drawing is lined to indicate a brown-orange color. No claim is made to the words "Dries as You Write" per se apart from the mark as shown.

Particular description of goods.—Writing Ink.

Claims use since Mar. 21, 1923.

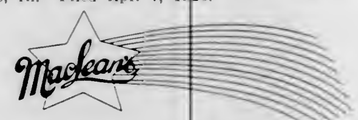
Ser. No. 178,714. (CLASS 22. GAMES, TOYS, AND SPORTING GOODS.) GUY C. CONLEY, Spokane, Wash. Filed Apr. 7, 1923.



Particular description of goods.—Parlor Board Game Played with Pieces.

Claims use since Mar. 1, 1923.

Ser. No. 178,755. (CLASS 22. GAMES, TOYS, AND SPORTING GOODS.) MACLEAN DRUG COMPANY, Chicago, Ill. Filed Apr. 7, 1923.



Particular description of goods.—Flotation Devices, Tennis Balls, Toy Vehicles, Golf Balls, Balloons (Toy), Baseballs, Street Cars (Toy), Playing Cards, Toy Balls, Figure Toys.

Claims use since November, 1918.

Ser. No. 178,775. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) SIRE & PETERSEN WRENCH CO., De Witt, Nebr. Filed Apr. 7, 1923.



The words "Trade-Mark" are not claimed apart from the other features of the mark.

Particular description of goods.—Wrenches.

Claims use since Nov. 6, 1922.

Ser. No. 178,849. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) THE INDEPENDENT BREWERIES COMPANY, also doing business as Independent Products Company, St. Louis, Mo. Filed Apr. 9, 1923.

SAMPSON



Particular description of goods.—Malt Sirup for Food Purposes.

Claims use since Oct. 1, 1922.

Ser. No. 178,916. (CLASS 22. GAMES, TOYS, AND SPORTING GOODS.) GIMBEL BROTHERS, INC., New York, N. Y. Filed Apr. 10, 1923.



No claim is made to the monopoly of the letters "Golf Ball" appearing on the drawing.

Particular description of goods.—Golf Balls.

Claims use since about Mar. 1, 1923.

Ser. No. 178,982. (CLASS 28. JEWELRY AND PRECIOUS-METAL WARE.) ELGIN SILVERSMITH CO., New York, N. Y. Filed Apr. 11, 1923.



Particular description of goods.—Silverware—Namely, Such as Silver Vases, Silver Bowls, Bonbon Dishes, Candelabra, Salt and Pepper Shakers.

Claims use since July 1, 1921.

Ser. No. 178,998. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) THE GENESEE PURE FOOD COMPANY, Le Roy, N. Y. Filed Apr. 11, 1923.

D=Zerta

Particular description of goods.—Compound for Use in the Preparation of Jellies, Desserts, and Pastries.

Claims use since Mar. 20, 1923.

Ser. No. 179,033. (CLASS 50. MERCHANDISE NOT OTHERWISE CLASSIFIED.) HARRY C. DAWSON, doing business as Activad Sign Service, Columbus, Ohio. Filed Apr. 12, 1923.

ACTIVAD

Particular description of goods.—Signs for Mechanical Advertising Purposes.

Claims use since about Feb. 15, 1921.

Ser. No. 179,107. (CLASS 4. ABRASIVE, DETERGENT, AND POLISHING MATERIALS.) LIGHTFOOT SCHULTZ COMPANY, Hoboken, N. J. Filed Apr. 13, 1923.

Savon Ninon

The use of the word "Savon" is disclaimed except in conjunction with the other elements of the trade mark.

Particular description of goods.—Soaps.

Claims use since Jan. 15, 1923.

Ser. No. 179,110. (CLASS 36. MUSICAL INSTRUMENTS AND SUPPLIES.) PLAZA MUSIC COMPANY, New York, N. Y. Filed Apr. 13, 1923.

PAL

Particular description of goods.—Phonographs.

Claims use since June 30, 1922.

Ser. No. 179,113. (CLASS 12. CONSTRUCTION MATERIALS.) THE ROCKCASTLE CEMENT & LIME COMPANY, Baltimore, Md., Pine Hill and Mount Vernon, Ky. Filed Apr. 13, 1923.

CASTLE

Particular description of goods.—Lime.

Claims use since Feb. 12, 1923.

Ser. No. 179,138. (CLASS 36. MUSICAL INSTRUMENTS AND SUPPLIES.) JACOB DOLL & SONS, New York, N. Y. Filed Apr. 14, 1923.

STODART



Particular description of goods.—Pianofortes, Grand and Upright Pianos, Grand and Upright Player Pianos, Grand and Upright Electrically-Operated Pianos, and Phonographs.

Claims use since May 25, 1917.

Ser. No. 179,139. (CLASS 28. JEWELRY AND PRECIOUS-METAL WARE.) WILLIAM R. ELFERS, New York, N. Y. Filed Apr. 14, 1923.



Particular description of goods.—Articles Made of or Plated with Precious Metals—Namely, Salt and Pepper Tops, Individual Salt and Peppers, Open Salts, Salt Spoons, Candlesticks, Vases, Sherbets, Comports, Children's Cups, Boudoir and Table Lamps; Cordial, Wine, and Cocktail Goblets; Bowls, Bonbon Dishes, and Water Pitchers.

Claims use since Dec. 4, 1915.

Ser. No. 179,266. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) THE GASTONE CO., Rocky Mount, N. C. Filed Apr. 17, 1923.

DAWSON'S

GAS-TONE

. . FOR . .

Your Stomach's Sake

The words "For Your Stomach's Sake" appearing on the drawing is disclaimed as a part of the trade-mark.

Particular description of goods.—Medicine.

Claims use since July 1, 1921.

Ser. No. 179,277. (CLASS 22. GAMES, TOYS, AND SPORTING GOODS.) HARRY C. LEE & COMPANY, New York, N. Y. Filed Apr. 17, 1923.

Lee-Maxim

Particular description of goods.—Tennis Rackets.

Claims use since Jan. 31, 1917.

Ser. No. 179,278. (CLASS 22. GAMES, TOYS, AND SPORTING GOODS. HARRY C. LEE & COMPANY, New York, N. Y. Filed Apr. 17, 1923.

MAXIM

Particular description of goods.—Golf Balls.
Claims use since Mar. 31, 1923.

Ser. No. 179,282. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) ANGELO D. POPE, New York, N. Y. Filed Apr. 17, 1923.

POPE  TONIC

No claim is made to the word "Tonic" apart from the mark as shown.
Particular description of goods.—Gelatinous Compound and Nonalcoholic Preparation for the Relief of Dyspepsia, Loss of Appetite, Torpid Liver, Constipation, Anæmia, and Nervous Debility.
Claims use since Apr. 1, 1923.

Ser. No. 179,284. (CLASS 25. LOCKS AND SAFES.) MILO D. RATHBUN, Grand Rapids, Mich. Filed Apr. 17, 1923.

LOXON
Radiator Cap

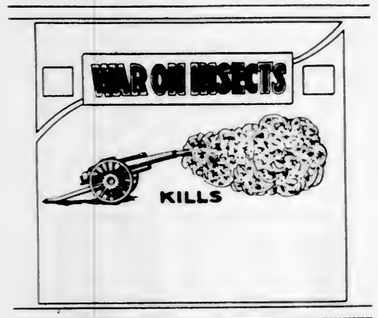
The words "Radiator Cap" appearing in the mark are disclaimed apart from the mark as shown by the drawing.
Particular description of goods.—Locks for Radiator Caps for Automobiles.
Claims use since Mar. 1, 1923.

Ser. No. 179,454. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) THE BICKMORE COMPANY, Old Town, Me. Filed Apr. 21, 1923.

BICKMORINE

Particular description of goods.—Healing Powder for Wounds and Sores on All Kinds of Live Stock.
Claims use since August, 1908.

Ser. No. 179,460. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) COMMERCIAL CHEMICAL COMPANY, Memphis, Tenn. Filed Apr. 21, 1923.



No claim is made to the use of the word "Kills" apart from the trade-mark shown on the drawing, applicant reserving all common-law rights thereto.
Particular description of goods.—Insecticides.
Claims use since Apr. 5, 1923.

Ser. No. 179,476. (CLASS 22. GAMES, TOYS, AND SPORTING GOODS.) KRAZIFOR AMERICAN TOY CO., Hartford, Conn. Filed Apr. 21, 1923.

"Krazifor"

Particular description of goods.—Toys, Such as Lead Soldiers, Animals, Indians, Cowboy Sets; Mechanical Toys, Such as Jumping Jockeys, Clowns, and Noah's Arks; Wooden Toys, Such as Small Wagons and Small Toy Furniture and Small Garden Tools for Juveniles.
Claims use since Oct. 1, 1922.

Ser. No. 179,503. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) GEORGE E. WEAVER, doing business as U-Sal Company, New York, N. Y. Filed Apr. 21, 1923.

U-SAL

Particular description of goods.—Dental Medicinal Compound Employed for the Treatment of Pyorrhea.
Claims use since Sept. 7, 1907.

Ser. No. 179,514. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) CALIFORNIA BY-PRODUCTS CO., San Francisco, Calif. Filed Apr. 23, 1923.

PRO-TEX-IT

Particular description of goods.—Waterproofing Composition for Application to Tennis-Racket Strings.
Claims use since Feb. 10, 1923.

Ser. No. 179,523. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) MARSHALL FIELD & COMPANY, Chicago, Ill. Filed Apr. 23, 1923.



ISHTAR

Particular description of goods.—Perfume.
Claims use since Aug. 3, 1922.

Ser. No. 179,544. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) J. S. MERRELL DRUG COMPANY, St. Louis, Mo. Filed Apr. 23, 1923.



Particular description of goods.—Boric Acid, Carbolic Acid, Oxalic Acid, Salicylic Acid, Tartaric Acid, Denatured Alcohol, Lump Alum, Powdered Alum, Aromatic Spirits Ammonia, Ammonia Water, Antiseptic Solution, Asafetida, Elm Bark, Sassafras Bark, Bay Rum, Blue Vitriol, Powdered Borax, Calamine, Camphor Liniment, Camphor Spirits, Capsicum, Cardamom Seed, Celery Seed, Prepared Chalk, Chlorate Potash, Chloroform Liniment, Licorice Compound, Crystal Copperas, Powdered Copperas, Coriander Seed, Cream Tartar, Epsom Salts, Essence Peppermint, Eye Wash, Flaxseed Meal, Whole Flaxseed, Formaldehyde Solution, Glycerin, Glycerin and Rose Water, Hydrogen Peroxide, Sugar of Lead, Henna Leaves, Powdered Henna Leaves, Senna Leaves, Powdered Senna Leaves, Lime Water, Moth Balls, Mustard Plasters, Neutralizing Cordial, Castor Oil, Mineral Oil for External Use, Sweet Oil, Olive Oil, Paregoric, Permanganate Potash, Rochelle Salt, Powdered Orris Root, Saltpeter, Sea Salt, Fennel Seed, Hemp Seed, Shaving Lotion, Soap Liniment, Soda Bicarbonate, Sodium Fluoride, Spirits Niter, Sugar of Milk, Sulphur Flower, Sulphur Sublimed, Sulphur Roll, Tincture Arnica, Tincture Iodine, Talcum, Tumeric, Turpentine, Whiting, Spanish; Witch-Hazel Extract, Zinc Oxide.
Claims use since June, 1920.

Ser. No. 179,545. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) J. S. MERRELL DRUG COMPANY, St. Louis, Mo. Filed Apr. 23, 1923.



Particular description of goods.—Boric Acid, Carbolic Acid, Oxalic Acid, Salicylic Acid, Tartaric Acid, Denatured Alcohol, Lump Alum, Powdered Alum, Aromatic Spirits Ammonia, Ammonia Water, Antiseptic Solution, Asafetida, Elm Bark, Sassafras Bark, Bay Rum, Blue Vitriol, Powdered Borax, Calamine, Camphor Liniment, Camphor Spirits, Capsicum, Cardamom Seed, Celery Seed, Prepared Chalk, Chlorate Potash, Chloroform Liniment, Licorice Compound, Crystal Copperas, Powdered Copperas, Coriander Seed, Cream Tartar, Epsom Salts, Essence Peppermint, Eye Wash, Flaxseed Meal, Whole Flaxseed, Formaldehyde Solution, Glycerin, Glycerin and Rose Water, Hydrogen Peroxide, Sugar of Lead, Henna Leaves, Powdered Henna Leaves, Senna Leaves, Powdered Senna Leaves, Lime Water, Moth Balls, Mustard Plasters, Neutralizing Cordial, Castor Oil, Mineral Oil for Internal Use, Sweet Oil, Olive Oil, Paregoric, Permanganate Potash, Rochelle Salt, Powdered Orris Root, Saltpeter, Sea Salt, Fennel Seed, Hemp Seed, Shaving Lotion, Soap Liniment, Soda Bicarbonate, Sodium Fluoride, Spirits Niter, Sugar of Milk, Sulphur Flower, Sulphur Sublimed, Sulphur Roll, Tincture Arnica, Tincture Iodine, Talcum, Tumeric, Turpentine, Whiting, Spanish; Witch-Hazel Extract, Zinc Oxide.
Claims use since June, 1920.

Ser. No. 179,551. (CLASS 35. BELTING, HOSE, MACHINERY PACKING, AND NONMETALLIC TIRES.) PUFFER-HUBBARD MANUFACTURING COMPANY, Minneapolis, Minn. Filed Apr. 23, 1923.

TOWN AND COUNTRY

Particular description of goods.—Child's Wagon Tire.
Claims use since Dec. 5, 1923.

Ser. No. 179,567. (CLASS 21. ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES.) HAROLD R. WAKEM, doing business as Harold R. Wakem & Co., Chicago, Ill. Filed Apr. 23, 1923.

SENSITONE

Particular description of goods.—Radio Receiving Sets and Radio Transmitting Sets and the Various Parts Thereof Used in Assembling Such Sets and Radio Head Phones.
Claims use since Sept. 1, 1922.

Ser. No. 179,594. (CLASS 36. MUSICAL INSTRUMENTS AND SUPPLIES.) FREDERICK PIANO COMPANY, New York, N. Y. Filed Apr. 24, 1923.

FREDERICK



Particular description of goods.—Pianofortes, Grand and Upright Pianos, Grand and Upright Player Pianos, and Grand and Upright Electrically-Operated Pianos and Phonographs.
Claims use since 1902.

Ser. No. 179,601. (CLASS 35. BELTING, HOSE, MACHINERY PACKING, AND NONMETALLIC TIRES.) JACK TIRE & RUBBER COMPANY, Spokane, Wash. Filed Apr. 24, 1923.

JACK

Particular description of goods—Pneumatic Automobile Tires and Inner Tubes.
Claims use since Mar. 31, 1922.

Ser. No. 179,630. (CLASS 21. ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES.) GEORGE KENNETH THOMPSON, Boston, Mass. Filed Apr. 24, 1923.



No claim is made to the words "Radio" and "Pick of the Market" aside from the mark shown in the drawing.
Particular description of goods.—Radio Receivers, Head Sets, Loud Speakers, Phonograph Adapters, A Batteries, B Batteries, Battery Chargers, Lightning Arresters, Loop Aerials, Plugs, Jacks, Sockets, Rheostats, Potentiometers, Variometers, Varicouplers, Vernier Condensers, Variable Condensers, Knobs and Dials, Audio Transformers, and Radio Transformers.
Claims use since on or about Apr. 13, 1923.

Ser. No. 179,633. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) S. C. WELLS & CO., LeRoy, N. Y. Filed Apr. 24, 1923.



KARLS

The portrait of the lady shown in the drawing is fanciful.
Particular description of goods.—Herb Tea Used as a Remedy for Constipation, Indigestion, and Dizziness, Eruptions of the Skin, Etc.
Claims use since August, 1892.

Ser. No. 179,656. (CLASS 35. BELTING, HOSE, MACHINERY PACKING, AND NONMETALLIC TIRES.) COAST TIRE AND RUBBER COMPANY, Oakland, Calif. Filed Apr. 25, 1923.

COAST CORD RANGER

No claim is made to the word "Cord" apart from the mark shown.
Particular description of goods.—Rubber Tires.
Claims use since July 13, 1922.

Ser. No. 179,657. (CLASS 35. BELTING, HOSE, MACHINERY PACKING, AND NONMETALLIC TIRES.) COAST TIRE AND RUBBER COMPANY, Oakland, Calif. Filed Apr. 25, 1923.

SCOUT FORTY-NINE

Particular description of goods.—Rubber Tires.
Claims use since July 13, 1922.

Ser. No. 179,698. (CLASS 14. METALS AND METAL CASTINGS AND FORGINGS.) ALLEGHENY STEEL COMPANY, Brackenridge, Pa. Filed Apr. 26, 1923.

ASCOLOY

Particular description of goods.—Steel Billets, Sheets, Forgings, Round Bars, and Rounds.
Claims use since Feb. 23, 1923.

Ser. No. 179,709. (CLASS 22. GAMES, TOYS, AND SPORTING GOODS.) WILLIAM CALDWELL, New York, N. Y. Filed Apr. 26, 1923.

SKWEEME

Particular description of goods.—Dolls, Rubber Dolls, Balloons When Used as Toys, and Squawkers.
Claims use since Jan. 1, 1923.

Ser. No. 179,743. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) REY & REY, Roquefort-sur-Soulzon, France. Filed Apr. 26, 1923.



Particular description of goods.—Machines for Slicing and Cutting Cheese.
Claims use since Oct. 20, 1922.

Ser. No. 179,752. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) THE THOMPSON-BARLOW COMPANY, INC., New York, N. Y., assignor to El Zair, Inc., New York, N. Y., a Corporation of New York. Filed Apr. 26, 1923.

EL ZAIR

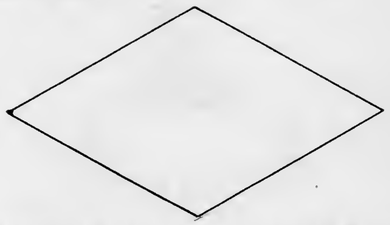
Particular description of goods.—External Lotion for Physical Exhilarant and Local Inorganic Disorders.
Claims use since March, 1923.

Ser. No. 179,760. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) HENRY A. WHITNEY, Providence, R. I. Filed Apr. 26, 1923.

STOP-COUGH

Trade-mark "Stop Cough."
Particular description of goods.—Medicinal Wafers for Bronchial Troubles.
Claims use since August, 1888.

Ser. No. 179,782. (CLASS 13. HARDWARE AND PLUMBING AND STEAM-FITTING SUPPLIES.) DIAMOND EXPANSION BOLT CO., New York, N. Y. Filed Apr. 27, 1923.



Particular description of goods.—Rings for Stringing Bridle Wires, More Specifically Known in the Trade as Drive Rings, Bridle Rings, and Cable Clamp Rings.
Claims use since July, 1917, on drive rings and bridle rings; since Apr. 11, 1922, on cable clamp rings.

Ser. No. 179,783. (CLASS 13. HARDWARE AND PLUMBING AND STEAM-FITTING SUPPLIES.) DIAMOND EXPANSION BOLT CO., New York, N. Y. Filed Apr. 27, 1923.

DIAMOND

Particular description of goods.—Rings for Stringing Bridle Wires, More Specifically Known in the Trade as Drive Rings, Bridle Rings, and Cable Clamp Rings.
Claims use since July, 1917, on drive rings and bridle rings, and since Apr. 11, 1922, on cable clamp rings.

Ser. No. 179,794. (CLASS 36. MUSICAL INSTRUMENTS AND SUPPLIES.) M. HOHNER, New York, N. Y. Filed Apr. 27, 1923.

THE MUSIC BOX

Particular description of goods.—Mouth Harmonicas.
Claims use since Apr. 17, 1922.

Ser. No. 179,833. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) STEELCRAFT ENGINEERING COMPANY, Marion, Ind. Filed Apr. 27, 1923.



Particular description of goods.—Dies, Jigs, Special Machinery, Metal Appliances for Metal Stampings, and Oil-Field Rigging and Machinery.
Claims use since Feb. 15, 1923.

Ser. No. 179,877. (CLASS 13. HARDWARE AND PLUMBING AND STEAM-FITTING SUPPLIES.) MILLER LOCK COMPANY, Philadelphia, Pa. Filed Apr. 28, 1923.

"SILVERAY"

Particular description of goods.—Frying Pans.
Claims use since about February, 1922.

Ser. No. 179,909. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) WILLIAMS, MARTIN & GRAY, INC., also doing business as Seaboard Chemical Company, Norfolk, Va. Filed Apr. 28, 1923.

Bug Bear

Particular description of goods.—Insecticide.
Claims use since November, 1897.

Ser. No. 179,912. (CLASS 1. RAW OR PARTLY-PREPARED MATERIALS.) ABBECO MILL, INC., New York, N. Y. Filed Apr. 30, 1923.

PICARDED

Particular description of goods.—Artificial-Silk Waste Partly Prepared.
Claim use since Jan. 15, 1923.

Ser. No. 179,932. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) L. A. FITZPATRICK, doing business as The Fitzpatrick Company, Helena, Ark. Filed Apr. 30, 1923.

SPANISH
NO-KINK

Applicant disclaims any right to the exclusive use of the word "Spanish" and the words "No Kink" separately or in other arrangements.
Particular description of goods.—Preparations for Straightening the Hair.
Claims use since on or about Jan. 1, 1898.

Ser. No. 179,948. (CLASS 36. MUSICAL INSTRUMENTS AND SUPPLIES.) FADER F. NELSON, Los Angeles, Calif. Filed Apr. 30, 1923.

NELSON'S
PACK-TROLA

Particular description of goods.—Phonographs, Phonograph Parts, and Phonograph Records.
Claims use since Mar. 1, 1923.

Ser. No. 180,021. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) MERRIMAC LABORATORIES, INC., New York, N. Y. Filed May 1, 1923.

GEORGETTE

Particular description of goods.—Nail Polish.
Claims use since on or about February, 1922.

Ser. No. 180,022. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) MOSSE INCORPORATED, New York, N. Y. Filed May 1, 1923.

»PATRICIAN«

Particular description of goods.—Bed Sheets, Pillowcases, Bedspreads, Table Linens, Towels, Made from Cotton Fiber, Linen Fiber, or a Combination of those Fibers.
Claims use since Oct. 10, 1922.

Ser. No. 180,045. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) GEO. BROOKS & SON COMPANY, Philadelphia, Pa. Filed May 2, 1923.



Particular description of goods.—Piece Goods of Cotton and Silk for Draperies.
Claims use since about May 25, 1922.

Ser. No. 180,141. (CLASS 4. ABRASIVE, DETERGENT, AND POLISHING MATERIALS.) RAND & CRANE, INC., Boston, Mass. Filed May 3, 1923.

SILVERINE



Particular description of goods.—Preparation in the Form of a Liquid or Semiliquid Paste, for Cleaning and Polishing Jewelry; Gold, Silver, and Plated Ware; Mirrors, and Plate Glass.
Claims use since Jan. 1, 1878.

Ser. No. 180,185. (CLASS 39. CLOTHING.) THE KUX BLEIWEISS COMPANY, Cleveland, Ohio. Filed May 4, 1923.

"Plus"

Particular description of goods.—Ladies' Coats, Suits, Skirts, and Dresses.
Claims use since about June 1, 1922.

Ser. No. 180,214. (CLASS 34. HEATING, LIGHTING, AND VENTILATING APPARATUS, NOT INCLUDING ELECTRICAL APPARATUS.) THE GASIFIER COMPANY, Elizabeth, N. J. Filed May 5, 1923.

GASIFIER

Particular description of goods.—Hydrocarbon-Fuel Burners.
Claims use since Feb. 10, 1923.

Ser. No. 180,239. (CLASS 38. PRINTS AND PUBLICATIONS.) FRANK ROMER, Washington, D. C. Filed May 5, 1923.

SAMSON SERVICE
Strength in Advertising

Particular description of goods.—Printed Advertising Matter Sold to the Trade as Such—Namely, Booklets.
Claims use since Sept. 12, 1921.

Ser. No. 180,348. (CLASS 4. ABRASIVE, DETERGENT, AND POLISHING MATERIALS.) LOUIS VORGIAS, Chicago, Ill. Filed May 8, 1923.

ARROW

Particular description of goods.—Shoe Polish, Dressings, and Cleaners.
Claims use since Apr. 1, 1923.

Ser. No. 180,387. (CLASS 38. PRINTS AND PUBLICATIONS.) THE PATHFINDER PUBLISHING CO., Washington, D. C. Filed May 9, 1923.

The Pathfinder

Particular description of goods.—Weekly Publication.
Claims use since Jan. 6, 1894.

Ser. No. 180,391. (CLASS 4. ABRASIVE, DETERGENT, AND POLISHING MATERIALS.) JOHAN CHRISTIAN SCHMIDT, Copenhagen, Denmark. Filed May 9, 1923.

DYNBAL

Particular description of goods.—Grinding Wheels and Grinding Disks.
Claims use since about January, 1921.

Ser. No. 180,410. (CLASS 21. ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES.) ATWATER KENT MANUFACTURING COMPANY, Philadelphia, Pa. Filed May 10, 1923.

AK

Particular description of goods.—Radio Telegraph and Telephone Instruments and Sets and Parts Therefor, Transformers, Rheostats, Detector Units, Amplifier Units, Detector-Amplifier Units, Vacuum-Tube Sockets, Condensers, Variometers, Variocouplers, Tuners, and Coupler Tuners.
Claims use since on or about Mar. 1, 1922.

Ser. No. 180,424. (CLASS 4. ABRASIVE, DETERGENT, AND POLISHING MATERIALS.) CHARLES E. EWING, doing business as Ewing Kutzit Soap Manufacturing Company, Lincoln, Nebr. Filed May 10, 1923.

EWING'S
KUTZIT
SOAP PASTE
FOR DIRTY HANDS
EWING
MANUFACTURING CO.
LINCOLN NEBRASKA
U.S.A

Without waiving any of its common-law rights thereto applicant disclaims the exclusive right to the use of the words "Soap Paste for Dirty Hands Ewing Manufacturing Co., Lincoln, Nebraska, U. S. A." except in association with other features of the trade-mark. The lining in the drawing indicates the color red.
Particular description of goods.—Soap Compounds—Namely, Soap Paste, Special Hand Soap and Special Hand Sand Soap, Soap for Domestic Use, and Polishing Soap.
Claims use since Nov. 6, 1919.

Ser. No. 180,452. (CLASS 4. ABRASIVE, DETERGENT, AND POLISHING MATERIALS.) MUELLER & GOETZ, Galion, Ohio. Filed May 10, 1923.



No claim made for the words "Spot Remover" apart from the mark shown by the drawing.

Particular description of goods.—Preparation for Cleaning Clothes and Fabrics.

Claims use since Mar. 15, 1923.

Ser. No. 180,458. (CLASS 22. GAMES, TOYS, AND SPORTING GOODS.) THE WHITE COMPANY, Cleveland, Ohio. Filed May 10, 1923.

White

The trade-mark is a facsimile of the signature of Windsor T. White, director of the applicant corporation.

Particular description of goods.—Toy Vehicles.

Claims use since Feb. 2, 1923.

Ser. No. 180,543. (CLASS 4. ABRASIVE, DETERGENT, AND POLISHING MATERIALS.) MAGNUS CHEMICAL COMPANY (INC.), Brooklyn, N. Y. Filed May 12, 1923.

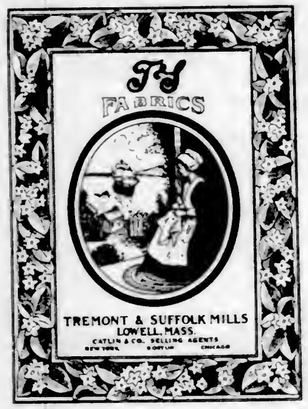


No claim being made to the exclusive use of the word "Cleaners" apart from the mark as shown in the drawing.

Particular description of goods.—Soap for Detergent Purposes and Soap Mixtures for Cleaning Finished Surfaces.

Claims use since about May 2, 1922.

Ser. No. 180,566. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) TREMONT & SUFFOLK MILLS, Lowell, Mass. Filed May 12, 1923.

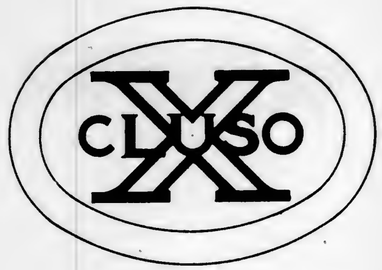


No claim made to the exclusive use of the words "Lowell, Mass. Catlin & Co., Selling Agents New York Boston Chicago Fabrics" apart from the mark as shown in the drawing, the representation of the female figure being entirely fanciful.

Particular description of goods.—Cotton Piece Goods.

Claims use since Aug. 8, 1922.

Ser. No. 180,572. (CLASS 3. BAGGAGE, HORSE EQUIPMENTS, PORTFOLIOS, AND POCKETBOOKS.) XCLUSO AUTO TRUNK & SPECIALTY CORP., New York, N. Y. Filed May 12, 1923.



Particular description of goods.—Hatboxes, Suitcases, Auto Lunch Kits, Overnight Suitcases, Fitted Suitcases, and Automobile Trunks.

Claims use since July 1, 1922.

Ser. No. 180,584. (CLASS 36. MUSICAL INSTRUMENTS AND SUPPLIES.) NICHOLAS CARDILLI, New York, N. Y. Filed May 14, 1923.

Virtuoso

Particular description of goods.—Perforated Music Rolls.

Claims use since Nov. 20, 1917.

Ser. No. 180,588. (CLASS 44. DENTAL, MEDICAL, AND SURGICAL APPLIANCES.) MARY W. CHANDLER, doing business as Takof Company, Cleveland Heights, Ohio. Filed May 14, 1923.



Particular description of goods.—Tweezers for Removing Superfluous Hair.

Claims use since about Mar. 1, 1923.

Ser. No. 180,593. (CLASS 1. RAW OR PARTLY-PREPARED MATERIALS.) ELKHORN COAL COMPANY, Lexington, Ky. Filed May 14, 1923.



Particular description of goods.—Coal.

Claims use since 1916 with reference to the words "Kona Elkhorn"; since 1921 with respect to the elk head.

Ser. No. 180,613. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) MICROBA ANTISEPTIC CO., Grand Forks, N. Dak. Filed May 14, 1923.



No claim is made herein to the words "Cocoanut Oil Shampoo" apart from the mark as shown in the drawing.

Particular description of goods.—Coconut-Oil Shampoo.

Claims use since June, 1922.

Ser. No. 180,619. (CLASS 12. CONSTRUCTION MATERIALS.) THE P. A. ROBERTS CONSTRUCTION CO., INC., Washington, D. C. Filed May 14, 1923.



Particular description of goods.—Garages.

Claims use since Jan. 2, 1923.

Ser. No. 180,640. (CLASS 22. GAMES, TOYS, AND SPORTING GOODS.) FRED A. WISH INCORPORATED, New York, N. Y. Filed May 14, 1923.

UNCLE WIGGILY

Particular description of goods.—Rubber Balloons and Inflated Balls, Toy and Doll Furniture, Children's Crayon, Coloring and Drawing Sets.

Claims use since Aug. 14, 1922.

Ser. No. 180,648. (CLASS 22. GAMES, TOYS, AND SPORTING GOODS.) THE AMERICAN SOLDIER CO., Glendale, Brooklyn, and New York, N. Y. Filed May 15, 1923.

AMERICAN HERO

Particular description of goods.—Games with Military Figures and Toy Wagons, Sleds, Artillery Carriages, Sailing Vessels, Flying Machines, and Automobiles.

Claims use since Mar. 5, 1923.

Ser. No. 180,678. (CLASS 34. HEATING, LIGHTING, AND VENTILATING APPARATUS, NOT INCLUDING ELECTRICAL APPARATUS.) THE A. J. ALSDORF CORPORATION, Chicago, Ill. Filed May 16, 1923.

Keroradiant

Particular description of goods.—Oil Heaters.
Claims use since Apr. 3, 1923.

Ser. No. 180,701. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) RALPH N. HYMER, doing business as Hymer's Hair Tonic Co., Salem, Oreg. Filed May 16, 1923.

HYMER'S



TONIC

No claim made to the use of the word "Tonic" apart from the mark as shown in the drawing.
Particular description of goods.—External Medicines for Use in the Treatment of Dandruff and Eczema.
Claims use since about Feb. 15, 1923.

Ser. No. 180,706. (CLASS 21. ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES.) THE COLIN B. KENNEDY COMPANY, St. Louis, Mo. Filed May 16, 1923.

The Royalty of Radio

Particular description of goods.—Radio Receiving Sets and Parts Therefor.
Claims use since Apr. 1, 1923.

Ser. No. 180,746. (CLASS 21. ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES.) BUSSMANN MANUFACTURING COMPANY, St. Louis, Mo. Filed May 17, 1923.

Clamp-o-Set

Trade-mark consists of the word "Clamp-O-Set."
Particular description of goods.—Portable Electric Lamps.
Claims use since Aug. 1, 1922.

Ser. No. 180,754. (CLASS 27. HOROLOGICAL INSTRUMENTS.) JOSEPH DAVING, New York, N. Y. Filed May 17, 1923.

RISTLID

Trade-mark "Ristlid."
Particular description of goods.—Watches.
Claims use since May 9, 1923.

Ser. No. 180,755. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) DIRECT CHOCOLATE COMPANY, INC., Fall River, Mass. Filed May 17, 1923.

KINGSWORTH



Particular description of goods.—Candy.
Claims use since Mar. 20, 1923.

Ser. No. 180,763. (CLASS 21. ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES.) HIGH TENSION SUPPLIES CO., Wilmington, Del. Filed May 17, 1923.

BLUE SENTRY

Particular description of goods.—Radio Lightning Arresters.
Claims use since Apr. 1, 1922.

Ser. No. 180,777. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) STERLING ENGINE CO., Buffalo, N. Y. Filed May 17, 1923.



No claim is made to the exclusive use of the term "The Engine of Refinement for the Finest Boats That Float."
Particular description of goods.—Internal-Combustion Engines.
Claims use since Feb. 10, 1922.

Ser. No. 180,831. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) CHESTER O. BANKS, also doing business as C. O. Banks Co., Monrovia, Calif. Filed May 19, 1923.

BILLY



Particular description of goods.—Fresh Citrous Fruits.
Claims use since Dec. 28, 1922.

Ser. No. 180,835. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) BOLIVAR PACKING COMPANY, San Diego, Calif. Filed May 19, 1923.

BOLO

Particular description of goods.—Olives.
Claims use since Sept. 21, 1921.

Ser. No. 180,856. (CLASS 34. HEATING, LIGHTING, AND VENTILATING APPARATUS, NOT INCLUDING ELECTRICAL APPARATUS.) GENERAL WATER HEATER CORPORATION, Los Angeles, Calif. Filed May 19, 1923

SUPREME AUTOMATIC

The word "Automatic" forms no part of the registration sought apart from the mark shown in the drawing.
Particular description of goods.—Water Heaters, Automatic and Nonautomatic, Operated Either by Gas or Electricity.
Claims use since December, 1922.

Ser. No. 180,867. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) LEECO CITRUS GROWERS' ASSOCIATION, Fort Myers, Fla. Filed May 19, 1923.

HOLLY

Particular description of goods.—Fresh Citrous Fruits.
Claims use since Mar. 22, 1923.

Ser. No. 180,908. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) TOUCHET VALLEY APPLE CO., Waitsburg, Wash. Filed May 19, 1923.

BLUE WING



The lining in the drawing indicates the color blue. The representation of an apple does not form a part of the registration sought apart from the mark shown in the drawing.
Particular description of goods.—Fresh Apples.
Claims use since Oct. 2, 1922.

Ser. No. 180,909. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) TOUCHET VALLEY APPLE CO., Waitsburg, Wash. Filed May 19, 1923.

RED WING



The lining in the drawing indicates the color red. The representation of an apple does not form a part of the registration sought apart from the mark shown in the drawing.
Particular description of goods.—Fresh Apples.
Claims use since Oct. 2, 1922.

Ser. No. 180,910. (CLASS 37. PAPER AND STATIONERY.) UNITED BUSINESS EQUIPMENT CO., Boston, Mass. Filed May 19, 1923.

UBECO

Particular description of goods.—Folders, Cards, Guides, Stationery, Guide Tabs, and Indexing and Filing Devices and Systems.
Claims use since Apr. 4, 1923.

Ser. No. 180,917. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) THE WINORR CANNING COMPANY, Circleville, Ohio. Filed May 19, 1923.

EXCHANGE

Particular description of goods.—Canned Vegetables.
Claims use since 1912.

Ser. No. 180,940. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) NELSON, BAKER & COMPANY, Detroit, Mich. Filed May 21, 1923.

FLOWER of FLOWERS

Particular description of goods.—Face Powder and Cold Cream.
Claims use since May 10, 1923.

Ser. No. 180,961. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) DAVID H. BUXTON, doing business as Buxton Rheumatic Medicine Co., Abbot Village, Me. Filed May 22, 1923. Under ten-year proviso.

BUXTON'S

Particular description of goods.—Compound for Treating Rheumatism.
Claims use since January, 1893.

Ser. No. 180,966. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) LUCIE R. DAVIS, Independence, Kans. Filed May 22, 1923.

"CREOLINE"

Particular description of goods.—Hair Grower.
Claims use since Feb. 1, 1922.

Ser. No. 180,977. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) ELI F. GOLDBERG, doing business as Lewgold Imports, Syracuse, N. Y. Filed May 22, 1923.

LEWGOLD

Particular description of goods.—Saws.
Claims use since May 16, 1923.

Ser. No. 180,980. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) THE WILLIAM P. KAHN CORP., St. Louis, Mo. Filed May 22, 1923.

SKINLAX

Particular description of goods.—Chemical Preparation for the Treatment of the Skin.
Claims use since January, 1923.

Ser. No. 180,986. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) KATHLEEN MARY QUINLAN, New York, N. Y. Filed May 22, 1923.

VAH-DAH

Particular description of goods.—Toilet Creams and Astringents.
Claims use since January, 1905.

Ser. No. 180,989. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) GEORGE C. SPENCER, doing business as Spencer Perfume Company, South Bend, Ind. Filed May 22, 1923.

MAI-TON

Particular description of goods.—Face Powders, Face Creams, Perfumes, Toilet Waters, and Rouges.
Claims use since May 5, 1923.

Ser. No. 180,993. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) WALTER H. WADDELL and BERTHA WADDELL, doing business as Tartaroff Co., Chicago, Ill. Filed May 22, 1923.

TARTAROFF

Particular description of goods.—Preparations for Removing Tartar, Film, and Discolorations from the Teeth.
Claims use since August, 1921.

Ser. No. 180,996. (CLASS 37. PAPER AND STATIONERY.) WEBER & MCCREA, Los Angeles, Calif. Filed May 22, 1923.

POK-A-DOT

Particular description of goods.—Binders for Books, Pamphlets, and Papers.
Claims use since Apr. 14, 1923.

Ser. No. 181,012. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) COLWELL DRUG COMPANY, Pawnee City, Nebr. Filed May 23, 1923.

GERMEX

Particular description of goods.—Poultry Powder Used in Making Liquid Germicidal Medicine for Poultry.
Claims use since 1913.

Ser. No. 181,020. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) FREE & KLINCK, INC., Brooklyn, N. Y. Filed May 23, 1923.

SUNDEW



Particular description of goods.—Canned Fruits and Vegetables.
Claims use since Apr. 20, 1923.

Ser. No. 181,040. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) ORGANIC PREPARATIONS CO., INC., Brooklyn, N. Y. Filed May 23, 1923.

Phosphorcin

Particular description of goods.—Liquid Preparation, Remedy, or Tonic for Nervous Diseases, Anæmia, Chlorosis, Debility, Impotence, Diabetes, and Metabolic Diseases.
Claims use since May 1, 1914.

Ser. No. 181,043. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) PYRENE MANUFACTURING COMPANY, Newark, N. J. Filed May 23, 1923.

Phomene

Particular description of goods.—Fire-Extinguishing Compounds.
Claims use since Dec. 28, 1921.

Ser. No. 181,057. (CLASS 6. CHEMICALS, MEDICINES, AND PHAMACEUTICAL PREPARATIONS.) BRUNELLE DRUG CO., Woonsocket, R. I. Filed May 24, 1923.

INGLAUB

Particular description of goods.—Medicinal Preparation for Acute and Chronic Indigestion, Dyspepsia, Sour Stomach, Seasickness, and Other Stomach and Digestive Disorders Caused by Acidity.
Claims use since Aug. 1, 1921.

Ser. No. 181,065. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) THE EBLING COMPANY, New York, N. Y. Filed May 24, 1923.

SILTEX

Particular description of goods.—Concentrated Commercial Diastase.
Claims use since Dec. 15, 1921.

Ser. No. 181,089. (CLASS 43. THREAD AND YARN.) "S. & M." DYE WORKS, INC., Philadelphia, Pa. Filed May 24, 1923.



No claim is made to the exclusive use of the words "Color Certified" apart from the other features of the mark as shown.

Particular description of goods.—Dyed Yarns.
Claims use since April, 1923.

Ser. No. 181,106. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) BEEGLE PACKING CO., Ketchikan, Alaska. Filed May 25, 1923.

Seabrite

Particular description of goods.—Canned Salmon.
Claims use since Nov. 15, 1922.

Ser. No. 181,136. (CLASS 12. CONSTRUCTION MATERIALS.) MEMPHIS SASH & DOOR CO., Memphis, Tenn. Filed May 25, 1923.



No claim is made to the word "Service" nor to the words "Memphis, Tenn." apart from the mark shown on the drawing.

Particular description of goods.—Doors and Sashes.
Claims use since May 31, 1921.

Ser. No. 181,146. (CLASS 37. PAPER AND STATIONERY.) PLANT, THEIS & GOULD PAPER COMPANY, Chicago, Ill. Filed May 25, 1923.

"REVOLUTION"

Particular description of goods.—Tympan Paper.
Claims use since May 1, 1923.

Ser. No. 181,147. (CLASS 37. PAPER AND STATIONERY.) PLANT, THEIS & GOULD PAPER COMPANY, Chicago, Ill. Filed May 25, 1923.

STRONGBILT

Particular description of goods.—Writing, Bond, and Ledger Paper.
Claims use since Dec. 26, 1922.

Ser. No. 181,173. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) J. W. BUCHANAN, doing business as Nu-Pep Laboratories, Union, S. C. Filed May 26, 1923.

NU-PEP

Particular description of goods.—Vegetable General Tonic for Human Use.
Claims use since May 4, 1923.

Ser. No. 181,190. (CLASS 21. ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES.) THE HUMIL CORPORATION, New York, N. Y. Filed May 26, 1923.

CALORAC

Particular description of goods.—Electric Heating Apparatus for Heating Rivets, Slugs, Bars, and Other Metal Parts for Various Purposes.
Claims use since Jan. 22, 1923.

Ser. No. 181,196. (CLASS 22. GAMES, TOYS, AND SPORTING GOODS.) LOUIS LA BORIE, Rochester, N. Y. Filed May 26, 1923.



Particular description of goods.—"Toonin," a Table Game Played with Pieces and Marked Cubes or Rotary Counter.
Claims use since May 1, 1923.

Ser. No. 181,233. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) ABBOTT LABORATORIES, Chicago, Ill. Filed May 28, 1923.

NEONAL

Particular description of goods.—N-Butyl-Ethyl-Barbituric Acid.
Claims use since December, 1922.

Ser. No. 181,276. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) HOMER J. HANDLEY, Chappell, Nebr. Filed May 28, 1923.

LEMO MULSION

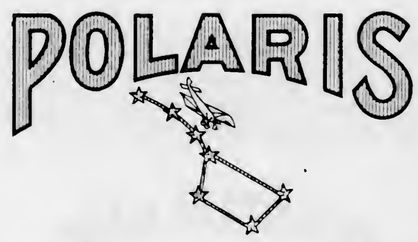
Particular description of goods.—Skin Lotion.
Claims use since Apr. 10, 1922.

Ser. No. 181,288. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) LEIGH CHEMIST, INC., New York, N. Y. Filed May 28, 1923.

AMERIA

Particular description of goods.—Perfumes.
Claims use since Apr. 30, 1923.

Ser. No. 181,301. (CLASS 22. GAMES, TOYS, AND SPORTING GOODS.) CHAS. S. MUIR, doing business as The Polaris Co., Washington, D. C. Filed May 28, 1923.



The drawing is lined for the color red.

Particular description of goods.—Parlor Board Game Played with Pieces.
Claims use since Mar. 29, 1923.

Ser. No. 181,306. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) PARKE, DAVIS & COMPANY, Detroit, Mich. Filed May 28, 1923.

KRESO

Particular description of goods.—Insecticide, Antiseptic and Germicide.
Claims use since Jan. 30, 1903.

Ser. No. 181,319. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) J. H. STRAIT & COMPANY, Redlands, Calif. Filed May 28, 1923.

CANYON CREST

Particular description of goods.—Fresh Citrous Fruits.
Claims use since 1919.

Ser. No. 181,335. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) BOUVIER LABORATORIES, INC., Haverhill, Mass. Filed May 29, 1923.

TIP-TOP

Particular description of goods.—Greaseless Hair Dressing.
Claims use since Mar. 29, 1923.

Ser. No. 181,344. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) LEE-STRAUSS CO., Johnstown, Pa. Filed May 29, 1923.

Radcose

Particular description of goods.—Antifreeze Preparation for Use in Automobile Radiators.
Claims use since May 15, 1923.

Ser. No. 181,346. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) THE MIDLAND GROCERY COMPANY, Columbus, Ohio. Filed May 29, 1923.

RED BIRD

Particular description of goods.—Tea and Coffee.
Claims use since Jan. 1, 1904.

Ser. No. 181,456. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) SHOTWELL MFG. CO., Chicago, Ill. Filed June 1, 1923.



Particular description of goods.—Candies of All Descriptions.
Claims use since Apr. 2, 1903.

Ser. No. 181,520. (CLASS 21. ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES.) FANSTEEL PRODUCTS COMPANY, INC., North Chicago, Ill. Filed June 4, 1923.

FANSTEEL

Particular description of goods.—Contact Points.
Claims use since July 8, 1918.

Ser. No. 181,562. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) GATLIN AND GATLIN, Los Angeles, Calif. Filed June 5, 1923.

SUNNY SEA

Particular description of goods.—Canned Fish.
Claims use since Feb. 27, 1923.

Ser. No. 181,579. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) ABRAHAM & STRAUS, INC., New York, N. Y. Filed June 6, 1923.

ABRAHAM & STRAUS INC. ATLANTIS

The initial and last letters "A" and "S" are shown in red.
Particular description of goods.—Cotton Voiles and Cotton Dress Goods in the Piece.
Claims use since May 14, 1923.

Ser. No. 181,607. (CLASS 29. BROOMS, BRUSHES, AND DUSTERS.) JOHN OPPIE MCCALL, doing business as The Odontex Company, Buffalo, N. Y. Filed June 6, 1923.

ODONTEX

Particular description of goods.—Toothbrushes.
Claims use since Apr. 27, 1923.

Ser. No. 181,694. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) FREDERICK LAUSSER & SON, New York, N. Y. Filed June 8, 1923.

Zebo

Trade-mark "Zebo."
Particular description of goods.—All-Wool Coating.
Claims use since Apr. 1, 1923.

Ser. No. 181,773. (CLASS 43. THREAD AND YARN.) PFALTZ & BAUER, INC., New York, N. Y. Filed June 9, 1923.

Ed-rai

Particular description of goods.—Ramie Yarns, Threads, Artificial Silks, Spun Artificial Silks, Spun Artificial Yarns, Spun Artificial Threads, and Wool-Mixture Yarns.
Claims use since June 4, 1923.

Ser. No. 181,804. (CLASS 1. RAW OR PARTLY-PREPARED MATERIALS.) ANDERSON, CLAYTON & CO., Houston, Tex. Filed June 11, 1923.

ACCO

Particular description of goods.—Raw Cotton.
Claims use since May 21, 1923.

Ser. No. 181,906. (CLASS 37. PAPER AND STATIONERY.) NEW YORK BLUE PRINT PAPER CO., New York, N. Y. Filed June 12, 1923.

Vellux

Particular description of goods.—Tracing Paper.
Claims use since Dec. 1, 1922.

Ser. No. 181,944. (CLASS 4. ABRASIVE, DETERGENT, AND POLISHING MATERIALS.) HILL-HOEL MFG. CO., South Bend, Ind. Filed June 13, 1923.

MOUNTAIN MAID

Particular description of goods.—Cedar Chests.
Claims use since May 1, 1922.

Ser. No. 181,945. (CLASS 22. GAMES, TOYS, AND SPORTING GOODS.) EMIL HOPPE, Elizabeth, N. J. Filed June 13, 1923.

FLIER

Particular description of goods.—Carrousels.
Claims use since April, 1922.

Ser. No. 182,030. (CLASS 21. ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES.) WOOD-CRAFT COMPANY, St. Paul, Minn. Filed June 14, 1923.

STORAGE Oxidite BATTERIES

No claim is made to the exclusive use of the words "Storage Batteries" apart from the mark shown in the drawing.
Particular description of goods.—Electric Batteries.
Claims use since Nov. 1, 1922.

Ser. No. 182,049. (CLASS 37. PAPER AND STATIONERY.) FORT HOWARD PAPER COMPANY, Green Bay, Wis. Filed June 15, 1923.

GOSLING

Particular description of goods.—Toilet Paper.
Claims use since May 23, 1923.

Ser. No. 182,054. (CLASS 21. ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES.) MARY W. JOHNSON, doing business as The Johnson Electric Mfg. Co., Warren, R. I. Filed June 15, 1923.

J

Particular description of goods.—Fittings for Electric Conduits Comprising End Fittings, Elbow Fittings, T Fittings, Coupling Fittings, and Junction Boxes.
Claims use since Apr. 25, 1920.

Ser. No. 182,086. (CLASS 33. GLASSWARE.) CHANCE BROTHERS AND CO. LIMITED, West Smethwick, Stafford, England. Filed June 16, 1923.



Particular description of goods.—Glass.
Claims use since Mar. 28, 1922.

Ser. No. 182,152. (CLASS 21. ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES.) MARY W. JOHNSON, doing business as The Johnson Electric Mfg. Co., Warren, R. I. Filed June 18, 1923.

JEMCOLET

Particular description of goods.—Fittings for Electric Conduits Comprising End Fittings, Elbow Fittings, T Fittings, Coupling Fittings, and Junction Boxes.
Claims use since Apr. 25, 1920.

Ser. No. 182,160. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) S. W. MAGNUS & CO., New York, N. Y. Filed June 18, 1923.

ROSE MAID

Particular description of goods.—Handkerchiefs.
Claims use since June, 1922.

Ser. No. 182,184. (CLASS 21. ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES.) RODEFELD MFG. CO., Richmond, Ind. Filed June 18, 1923.

Nick-Rode

Particular description of goods.—Automobile Timers.
Claims use since Apr. 24, 1921.

Ser. No. 182,201. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) SIDNEY BLUMENTHAL & CO. INC., New York, N. Y. Filed June 19, 1923.

Edgemoss

Particular description of goods.—Pile Fabrics in the Piece.
Claims use since May 18, 1923.

Ser. No. 182,254. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) H. MEYERS CO. INC., New York, N. Y. Filed June 20, 1923.

MEYTEX

Particular description of goods.—Silk, Cotton, and Textiles in the Piece and by the Yard.
Claims use since May 23, 1923.

Ser. No. 182,411. (CLASS 37. PAPER AND STATIONERY.) GILBERT PAPER CO., Menasha, Wis. Filed June 25, 1923.

DESPATCH

Particular description of goods.—Bond Paper, Ledger Paper, and Writing Paper.
Claims use since Apr. 24, 1923.

Ser. No. 182,489. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) WALLENSTEIN INDUSTRIAL CORP., New York, N. Y. Filed June 26, 1923.

VOGLASTIC

Trade-mark consists of the word "Voglastic."
Particular description of goods.—Elastic Knitted Goods in the Piece.
Claims use since June 6, 1923.

Ser. No. 182,529. (CLASS 37. PAPER AND STATIONERY.) ALBANY PERFORATED WRAPPING PAPER CO., Albany, N. Y. Filed June 28, 1923.

THE UNIQUE

Particular description of goods.—Toilet Paper and Paper Towels.
Claims use since June, 1894.

Ser. No. 182,584. (CLASS 1. RAW OR PARTLY-PREPARED MATERIALS.) HARRISBURG COLLIERY COMPANY, Chicago, Ill. Filed June 29, 1923.

HARCO

Particular description of goods.—Coal.
Claims use since January, 1917.

TRADE-MARK REGISTRATIONS GRANTED

[ACT OF FEBRUARY 20, 1905.]

AUGUST 21, 1923.

171,971. MEDICINAL PREPARATION FOR THE TREATMENT OF DIABETES AND TO LOWER BLOOD SUGAR AND TO DIMINISH ACIDOSIS. THE ELI LILLY & COMPANY, Indianapolis, Ind.
Filed July 1, 1922. Serial No. 166,382. PUBLISHED MAY 15, 1923.

171,972. PHARMACEUTICAL PREPARATION FOR THE RELIEF OF HEADACHE, NERVE PAINS, NEURALGIA, AND RHEUMATISM. NICHOLAS PROPRIETARY LIMITED, Melbourne, Victoria, Australia.
Filed June 19, 1922. Serial No. 165,706. PUBLISHED NOVEMBER 7, 1922.

171,973. MATCHES. THE DIAMOND MATCH COMPANY, Chicago, Ill.
Filed April 10, 1923. Serial No. 178,909. PUBLISHED MAY 22, 1923.

171,974. MATCHES. THE DIAMOND MATCH COMPANY, Chicago, Ill.
Filed April 10, 1923. Serial No. 178,912. PUBLISHED MAY 22, 1923.

171,975. MATCHES. THE DIAMOND MATCH COMPANY, Chicago, Ill.
Filed April 10, 1923. Serial No. 178,913. PUBLISHED MAY 22, 1923.

171,976. SILK, COTTON, AND WOOL PIECE GOODS AND MIXTURES OF THE SAME. HYMAN BAUMAN & CO., New York, N. Y.
Filed April 6, 1923. Serial No. 178,657. PUBLISHED MAY 22, 1923.

171,977. COTTON GOODS IN THE PIECE. LORRAINE MANUFACTURING COMPANY, Pawtucket, R. I.
Filed April 7, 1923. Serial No. 178,748. PUBLISHED MAY 22, 1923.

171,978. COTTON GOODS IN THE PIECE. LORRAINE MANUFACTURING COMPANY, Pawtucket, R. I.
Filed April 7, 1923. Serial No. 178,747. PUBLISHED MAY 22, 1923.

171,979. PILE FABRICS IN THE PIECE. SIDNEY BLUMENTHAL & CO. INC., New York, N. Y.
Filed April 9, 1923. Serial No. 178,810. PUBLISHED MAY 22, 1923.

171,980 PILE FABRICS IN THE PIECE. SIDNEY BLUMENTHAL & CO. INC., New York, N. Y.
Filed April 9, 1923. Serial No. 178,811. PUBLISHED MAY 22, 1923.

171,981. COVER PAPER. THE MARVELLUM COMPANY, Holyoke, Mass.
Filed April 9, 1923. Serial No. 178,856. PUBLISHED MAY 22, 1923.

171,982. COVER PAPER. THE MARVELLUM COMPANY, Holyoke, Mass.
Filed April 9, 1923. Serial No. 178,857. PUBLISHED MAY 22, 1923.

171,983. WRITING PAPER AND MAILING ENVELOPES. WHITING PAPER COMPANY, Holyoke, Mass.
Filed April 9, 1923. Serial No. 178,888. PUBLISHED MAY 22, 1923.

171,984. MATCHES. THE DIAMOND MATCH COMPANY, Chicago, Ill.
Filed April 10, 1923. Serial No. 178,896. PUBLISHED MAY 22, 1923.

171,985. MATCHES. THE DIAMOND MATCH COMPANY, Chicago, Ill.
Filed April 10, 1923. Serial No. 178,898. PUBLISHED MAY 22, 1923.

171,986. MATCHES. THE DIAMOND MATCH COMPANY, Chicago, Ill.
Filed April 10, 1923. Serial No. 178,899. PUBLISHED MAY 22, 1923.

171,987. MATCHES. THE DIAMOND MATCH COMPANY, Chicago, Ill.
Filed April 10, 1923. Serial No. 178,900. PUBLISHED MAY 22, 1923.

171,988. MATCHES. THE DIAMOND MATCH COMPANY, Chicago, Ill.
Filed April 10, 1923. Serial No. 178,901. PUBLISHED MAY 22, 1923.

171,989. MATCHES. THE DIAMOND MATCH COMPANY, Chicago, Ill.
Filed April 10, 1923. Serial No. 178,902. PUBLISHED MAY 22, 1923.

171,990. MATCHES. THE DIAMOND MATCH COMPANY, Chicago, Ill.
Filed April 10, 1923. Serial No. 178,903. PUBLISHED MAY 22, 1923.

171,991. MATCHES. THE DIAMOND MATCH COMPANY, Chicago, Ill.
Filed April 10, 1923. Serial No. 178,904. PUBLISHED MAY 22, 1923.

171,992. MATCHES. THE DIAMOND MATCH COMPANY, Chicago, Ill.
Filed April 10, 1923. Serial No. 178,905. PUBLISHED MAY 22, 1923.

171,993. MATCHES. THE DIAMOND MATCH COMPANY, Chicago, Ill.
Filed April 10, 1923. Serial No. 178,906. PUBLISHED MAY 22, 1923.

171,994. MATCHES. THE DIAMOND MATCH COMPANY, Chicago, Ill.
Filed April 10, 1923. Serial No. 178,907. PUBLISHED MAY 22, 1923.

171,995. MATCHES. THE DIAMOND MATCH COMPANY, Chicago, Ill.
Filed April 10, 1923. Serial No. 178,908. PUBLISHED MAY 22, 1923.

171,996. ADVERTISING DEVICES IN THE NATURE OF PHONE SHIELDS. HARRY GOLDMAN, Chicago, Ill.
Filed September 2, 1922. Serial No. 169,014. PUBLISHED MAY 29, 1923.

171,997. CERTAIN NAMED JEWELRY FOR PERSONAL WEAR. HINCKLEY MANUFACTURING COMPANY, Providence, R. I.
Filed August 19, 1922. Serial No. 168,469. PUBLISHED MAY 8, 1923.

171,998. FINGER RINGS. STANDARD RING CO., INC., Boston, Mass.
Filed July 28, 1922. Serial No. 167,540. PUBLISHED MAY 8, 1925.

171,999. CERTAIN NAMED JEWELRY FOR PERSONAL WEAR. FR. SPEIDEL, Pforzheim, Germany, and Providence, R. I.
Filed July 27, 1922. Serial No. 167,494. PUBLISHED JANUARY 2, 1923.

172,000. CORSETS. THE LA RESISTA CORSET COMPANY, Bridgeport, Conn.
Filed July 17, 1922. Serial No. 167,004. PUBLISHED MAY 29, 1923.

172,001. CARBON PAPER. KEE LOX MANUFACTURING COMPANY, Rochester, N. Y.
Filed September 24, 1921. Serial No. 153,297. PUBLISHED MAY 8, 1923.

172,002. SOUND BOXES FOR PHONOGRAPHS. SEARS, ROEBUCK AND COMPANY, New York, N. Y., and Chicago, Ill.
Filed November 23, 1920. Serial No. 140,073. PUBLISHED MAY 8, 1923.

172,003. PORTABLE ELECTRIC MOTORS. CHAMPION APPLIANCE MANUFACTURING COMPANY, INC., Yonkers, N. Y.
Filed October 19, 1922. Serial No. 170,926. PUBLISHED MAY 8, 1923.

172,004. LIQUID BITUMINOUS MATERIAL FOR COMPOUNDING RUBBER. THE BARRETT COMPANY, New York, N. Y.
Filed December 22, 1922. Serial No. 173,692. PUBLISHED MAY 29, 1923.

172,005. NECKLACES, BRACELETS, BROOCHES, FINGER RINGS, AND VANITY CASES MADE OF OR PLATED WITH PRECIOUS METAL. GRACE PHELPS MCKENNA, Washington, D. C.
Filed December 20, 1922. Serial No. 173,606. PUBLISHED MAY 8, 1923.

172,006. COTTON PIECE GOODS. THE JOHN P. KING MANUFACTURING CO., Augusta, Ga.
Filed December 19, 1922. Serial No. 173,570. PUBLISHED APRIL 10, 1923.

172,007. AUTOMOBILE BUMPER. J. M. HAYS WOOD PRODUCTS COMPANY, DIVISION OF STANDARD CRATE & FILLER COMPANY, Jefferson City, Mo.
Filed November 27, 1922. Serial No. 172,629. PUBLISHED MAY 29, 1923.

172,008. CERTAIN NAMED JEWELRY FOR PERSONAL WEAR. CALHOUN, ROBBINS & CO., New York, N. Y.
Filed November 18, 1922. Serial No. 172,208. PUBLISHED MAY 8, 1923.

172,009. LIGHTNING ARRESTERS. THOMAS PATRYCKI, Hawkins, Wis.
Filed February 10, 1923. Serial No. 175,884. PUBLISHED MAY 8, 1923.

172,010. ELECTRICALLY-DRIVEN VACUUM CLEANERS. LANDERS, FRARY & CLARK, New Britain, Conn.
Filed February 9, 1923. Serial No. 175,799. PUBLISHED MAY 8, 1923.

172,011. DIALS MADE OF HARD RUBBER FOR RADIO APPARATUS. AMERICAN HARD RUBBER COMPANY, Hempstead and New York, N. Y.
Filed February 8, 1923. Serial No. 175,694. PUBLISHED MAY 8, 1923.

172,012. TRAFFIC LIGHTS WHICH ARE ELECTRICAL MEANS AT STREET INTERSECTIONS FOR DIRECTING OR CONTROLLING TRAFFIC. TRAFFIC CONTROL, INCORPORATED, Milwaukee, Wis.
Filed February 1, 1923. Serial No. 175,417. PUBLISHED MAY 8, 1923.

172,013. TRANSFORMERS USED IN RADIO APPARATUS AND PARTS THEREFOR. AMERICAN TRANSFORMER COMPANY, Newark, N. J.
Filed January 29, 1923. Serial No. 175,289. PUBLISHED MAY 1, 1923.

172,014. ELECTRIC SUCTION SWEEPERS. THE HOOVER COMPANY, North Canton, Ohio.
Filed January 29, 1923. Serial No. 175,245. PUBLISHED MAY 8, 1923.

172,015. ELECTRIC BULBS AND LAMPS. PHILIP RIESMAN, doing business as Royal Electric Company, Chelsea, Mass.
Filed January 22, 1923. Serial No. 174,924. PUBLISHED MAY 8, 1923.

172,016. CANDY AND SIRUP FOR MAKING SAME. JOHN R. EDMISTON, Miami, Fla.
Filed April 10, 1922. Serial No. 161,978. PUBLISHED OCTOBER 31, 1922.

172,017. TOILET PAPER, PAPER NAPKINS, PAPER TOWELS, AND PAPER TABLECLOTHS. FORT HOWARD PAPER COMPANY, Green Bay, Wis.
Filed October 30, 1922. Serial No. 171,353. PUBLISHED JANUARY 16, 1923.

172,018. SHEETS OF WAXED PAPER IN PACKAGES. THE SHELBY WAX PAPER COMPANY, Shelby, Ohio, assignor to The Crystal Waxing Company, Middletown, Ohio.
Filed October 27, 1922. Serial No. 171,286. PUBLISHED MAY 22, 1923.

172,019. ICE AND REFRIGERATING MACHINERY. THE PHOENIX ICE MACHINE CO., Cleveland, Ohio.
Filed October 16, 1922. Serial No. 170,785. PUBLISHED MAY 22, 1923.

172,020. FRESH VEGETABLES, FRESH CITROUS FRUITS, FRESH GRAPES, AND MELONS. IDAHO PRODUCERS' UNION, Caldwell, Idaho.
Filed October 13, 1922. Serial No. 170,685. PUBLISHED MAY 29, 1923.

172,021. BOOTS AND SHOES OF LEATHER. CHARLES K. FOX, INC., Haverhill, Mass.
Filed October 11, 1922. Serial No. 170,574. PUBLISHED MAY 22, 1923.

172,022. UNION SUITS OF VARIOUS STYLES AND EMBODYING ARMS AND LEGS OF VARIOUS LENGTHS, AND VARIOUS TYPES OF HOSIERY FOR MEN, WOMEN, AND CHILDREN. WEST BRANCH KNITTING COMPANY, Milton, Pa.
Filed October 7, 1922. Serial No. 170,455. PUBLISHED JUNE 5, 1923.

172,023. HANDLED HAMMERS, HATCHETS, AXES, ADZES, AND SLEDGES. VAUGHAN & BUSHNELL MANUFACTURING COMPANY, Chicago, Ill.
Filed October 2, 1922. Serial No. 170,227. PUBLISHED FEBRUARY 27, 1923.

172,024. FABRIC GLOVES. S. & V. COMPANY INC., New York, N. Y.
Filed October 2, 1922. Serial No. 170,225. PUBLISHED MAY 22, 1923.

172,025. FRESH CITROUS FRUITS. SILVER PALM CITRUS GROWERS ASSOCIATION, Naranja, Fla.
Filed September 28, 1922. Serial No. 170,044. PUBLISHED MAY 29, 1923.

172,026. PREPARATION RECOMMENDED FOR USE AS A GENERAL HOUSEHOLD CLEANER. ATLANTIC LABORATORIES, Atlanta, Ga.
Filed September 7, 1922. Serial No. 169,146. PUBLISHED MAY 22, 1923.

172,027. SOAP. ALBERT H. BEACH, doing business as Pyramid Products Co., Los Angeles, Calif.
Filed September 6, 1922. Serial No. 169,116. PUBLISHED MAY 22, 1923.

172,028. OLIVE OIL. H. JANSSEN & CO., San Francisco, Calif.
Filed July 31, 1922. Serial No. 167,642. PUBLISHED MAY 29, 1923.

172,029. FRESH BEEF. DETROIT PACKING COMPANY, Detroit, Mich.
Filed July 10, 1922. Serial No. 166,658. PUBLISHED MAY 29, 1923.

172,030. LEATHER BOOTS AND SHOES. DUGAN & HUDSON CO., Rochester, N. Y.
Filed July 10, 1922. Serial No. 166,655. PUBLISHED MAY 22, 1923.

172,031. CANNED FRUITS. THE PRODUCERS CANNING AND PACKING COMPANY, Salem, Oreg.
Filed May 22, 1922. Serial No. 164,258. PUBLISHED JUNE 5, 1923.

172,032. LUBRICATING OILS AND GREASES. HARWOOD BROTHERS, INC., Richmond, Va.
Filed May 10, 1922. Serial No. 163,632. PUBLISHED NOVEMBER 7, 1922.

172,033. INK FOR POLISHING SHOES. ALFRED DEGERBERG, doing business as Alfred Degerberg Co., Philadelphia, Pa.
Filed May 6, 1922. Serial No. 163,436. PUBLISHED MAY 22, 1923.

172,034. MOTOR FUEL, GASOLINE, AND ILLUMINATING OILS. THE DIXIE CO., Fairmont, W. Va.
Filed May 3, 1922. Serial No. 163,259. PUBLISHED OCTOBER 31, 1922.

172,035. CERTAIN NAMED CLOTHING. THE UNITED TURKEY RED COMPANY, LIMITED, Glasgow, Scotland.
Filed April 22, 1922. Serial No. 162,787. PUBLISHED MAY 22, 1923.

172,036. OILS FOR PRESERVING LEATHERS AND NEAT'S-FOOT OIL. THE NEW ZEALAND REFRIGERATING COMPANY, LIMITED, Christchurch, New Zealand.
Filed March 28, 1922. Serial No. 161,375. PUBLISHED MAY 22, 1923.

172,037. MONTHLY MAGAZINE DEVOTED TO MATTERS RELATING TO THE GENERATION AND UTILIZATION OF STEAM FOR POWER PURPOSES. STEAM POWER PUBLISHING CORPORATION, Chicago, Ill.
Filed March 15, 1922. Serial No. 160,725. PUBLISHED MAY 22, 1923.

172,038. REFRIGERATING MACHINERY AND REFRIGERATORS. VOGT BROTHERS MFG. CO., Louisville, Ky.
Filed March 4, 1922. Serial No. 160,218. PUBLISHED MAY 22, 1923.

172,039. HEATED PACKING CASES FOR KEEPING FOOD HOT. EMILY GODWIN FRY LOCKYER, London, England.
Filed February 7, 1922. Serial No. 158,989. PUBLISHED MAY 29, 1923.

172,040. THREADS. MANUFACTURERS SUPPLIES COMPANY, St. Louis, Mo.
Filed February 6, 1922. Serial No. 158,936. PUBLISHED MAY 22, 1923.

172,041. MEN'S, WOMEN'S, AND CHILDREN'S HATS. THE HILL AND LOPER COMPANY, INCORPORATED, Danbury, Conn.
Filed February 3, 1922. Serial No. 158,842. PUBLISHED MAY 22, 1923.

172,042. THREADS. MANUFACTURERS SUPPLIES COMPANY, St. Louis, Mo.
Filed January 30, 1922. Serial No. 158,633. PUBLISHED MAY 22, 1923.

172,043. SUSPENDERS, BELTS, AND GARTERS. ISAAC WECHSLER, doing business as W. B. Suspender House, New York, N. Y.
Filed January 9, 1922. Serial No. 157,704. PUBLISHED MAY 22, 1923.

172,044. HOUSE-ORGAN PUBLICATIONS ISSUED AT REGULAR INTERVALS. THE GOODYEAR TIRE & RUBBER COMPANY, Akron, Ohio.
Filed January 6, 1922. Serial No. 157,566. PUBLISHED MAY 8, 1923.

172,045. MONTHLY MAGAZINES. NEEDLECRAFT PUBLISHING COMPANY, Augusta, Me.
Filed November 16, 1921. Serial No. 155,444. PUBLISHED MAY 22, 1923.

172,046. CANDY. WESTMORELAND CANDY COMPANY, Richmond, Va.
Filed October 27, 1921. Serial No. 154,677. PUBLISHED MAY 22, 1923.

172,047. LADIES' FABRIC UNDERWEAR BLOOMERS. E. MUNZER & CO., Chicago, Ill.
Filed October 24, 1921. Serial No. 154,524. PUBLISHED MAY 22, 1923.

172,048. TROUSERS. STANDARD MANUFACTURING COMPANY, Erie, Pa.
Filed October 19, 1921. Serial No. 154,335. PUBLISHED MAY 22, 1923.

172,049. CANDY. AMERICAN ORIENTAL CANDY MFG. CO., Richmond, Va.
Filed October 6, 1921. Serial No. 153,793. PUBLISHED MAY 22, 1923.

172,050. MOTOR-LUBRICATING OIL. PENNSYLVANIA PETROLEUM COMPANY, Kansas City, Mo.
Filed August 19, 1921. Serial No. 151,057. PUBLISHED NOVEMBER 8, 1921.

172,051. VEGETABLE SHORTENING COMPOUND. THE N. K. FAIRBANK COMPANY, Union Township, near Guttenberg, N. J., and Chicago, Ill., assignor to The American Cotton Oil Company, Union Township, near Guttenberg, N. J., a Corporation of New Jersey.
Filed July 2, 1921. Serial No. 149,959. PUBLISHED OCTOBER 31, 1922.

172,052. CERTAIN NAMED PAINTS, ENAMELS, VARNISHES, ETC. INDIANA INDESTRUCTIBLE PAINT CO., Chicago, Ill.
Filed February 27, 1920. Serial No. 128,971. PUBLISHED MAY 3, 1921.

172,053. VARNISHES, PAINTS, AND DRESSINGS. SUNSET PAINT COMPANY, Los Angeles, Calif.
Filed January 27, 1920. Serial No. 127,667. PUBLISHED NOVEMBER 9, 1920.

172,054. HOUSE PAINT, FLOOR FINISH IN THE NATURE OF A VARNISH, WALL-PAINT REDUCER, COLOR VARNISH. SUNSET PAINT COMPANY, Los Angeles, Calif.
Filed January 27, 1920. Serial No. 127,665. PUBLISHED AUGUST 31, 1920.

172,055. HAME ATTACHMENTS. U. S. HAME COMPANY, Buffalo, N. Y.
Filed April 2, 1923. Serial No. 178,481. PUBLISHED MAY 29, 1923.

172,056. SHEET GLUE. HENRY WILHELM COMPANY, Pittsburgh, Pa.
Filed March 29, 1923. Serial No. 178,320. PUBLISHED MAY 29, 1923.

172,057. SHEET GLUE. HENRY WILHELM COMPANY, Pittsburgh, Pa.
Filed March 29, 1923. Serial No. 178,319. PUBLISHED MAY 29, 1923.

172,058. SERIES OF CARTOONS. THE BELL SYNDICATE, INC., New York, N. Y.
Filed March 27, 1923. Serial No. 178,086. PUBLISHED MAY 22, 1923.

172,059. NEWSPAPER AND NEWSPAPER SUPPLEMENTS PUBLISHED DAILY. THE TRIBUNE COMPANY, Chicago, Ill.
Filed March 19, 1923. Serial No. 177,706. PUBLISHED MAY 22, 1923.

172,060. NEWSPAPER SUPPLEMENT. TIMES PRINTING COMPANY OF SEATTLE, Seattle, Wash.
Filed March 19, 1923. Serial No. 177,705. PUBLISHED MAY 22, 1923.

172,061. NEWSPAPER SUPPLEMENTS. TIMES PRINTING COMPANY OF SEATTLE, Seattle, Wash.
Filed March 19, 1923. Serial No. 177,704. PUBLISHED MAY 22, 1923.

172,062. REFRIGERATING APPARATUS. THE AUTOMATIC REFRIGERATING COMPANY, Hartford, Conn.
Filed March 19, 1923. Serial No. 177,645. PUBLISHED MAY 22, 1923.

172,063. RADIO RECORD BOOKS. E. FLEMING & CO., Cambridge, Mass.
Filed March 16, 1923. Serial No. 177,552. PUBLISHED MAY 22, 1923.

172,064. OLIVE OIL AND CANNED ANCHOVIES. ANDREA RUSSO, Chicago, Ill.
Filed March 13, 1923. Serial No. 177,411. PUBLISHED MAY 29, 1923.

172,065. FRESH CITROUS AND DECIDUOUS FRUITS. WILLIAM G. ROE, Winterhaven, Fla.
Filed March 13, 1923. Serial No. 177,409. PUBLISHED MAY 29, 1923.

172,066. CANNED FRUITS, CANNED VEGETABLES, COFFEE, TEA, AND PREPARED MUSTARD. A. KICKBUSCH GROCERY COMPANY, Wausau, Wis.
Filed March 13, 1923. Serial No. 177,387. PUBLISHED MAY 29, 1923.

172,067. CANNED VEGETABLES. THE FREDERICK CITY PACKING COMPANY, INC., Frederick, Md.
Filed March 13, 1923. Serial No. 177,372. PUBLISHED MAY 29, 1923.

172,068. CANNED CORN AND CANNED SUCCOTASH. BURNHAM & MORRILL COMPANY, Portland, Me.
Filed March 13, 1923. Serial No. 177,357. PUBLISHED MAY 29, 1923.

172,069. COFFEE. ARBUCKLE BROTHERS, New York, N. Y.
Filed March 13, 1923. Serial No. 177,348. PUBLISHED MAY 29, 1923.

172,070. QUARTERLY MAGAZINE. WOMAN'S WORLD MAGAZINE CO., INC., Chicago, Ill.
Filed March 12, 1923. Serial No. 177,342. PUBLISHED MAY 22, 1923.

172,071. SHELL-SHAPED MACARONI. KANSAS CITY MACARONI & IMPORTING CO., Kansas City, Mo.
Filed March 12, 1923. Serial No. 177,303. PUBLISHED MAY 29, 1923.

172,072. FRESH APPLES. EARL FRUIT COMPANY OF THE NORTHWEST, Spokane, Wash.
Filed March 12, 1923. Serial No. 177,282. PUBLISHED MAY 29, 1923.

172,073. MONTHLY PUBLICATION DEVOTED TO THE FARM-EQUIPMENT INDUSTRY. THE IMPLEMENT AGE COMPANY, Springfield, Ohio.
Filed March 5, 1923. Serial No. 177,000. PUBLISHED MAY 22, 1923.

172,074. LEATHER, RUBBER, AND FABRIC, ALSO COMBINATIONS OF LEATHER AND RUBBER, RUBBER AND TEXTILE-FABRIC, AND LEATHER AND TEXTILE-FABRIC SHOES. THOMAS JANNEY COMPANY, Philadelphia, Pa.
Filed February 10, 1923. Serial No. 175,903. PUBLISHED MAY 22, 1923.

172,075. NAME OF A MONTHLY MAGAZINE. NEW YORK LAW REVIEW CORPORATION, New York, N. Y.
Filed February 14, 1923. Serial No. 176,032. PUBLISHED MAY 22, 1923.

172,076. LADIES' HATS. M. KUTZ COMPANY, INC., Atlanta, Ga.
Filed February 13, 1923. Serial No. 175,992. PUBLISHED MAY 22, 1923.

172,077. TEA. DELANO, POTTER & COMPANY, INC., Boston, Mass.
Filed February 19, 1923. Serial No. 176,256. PUBLISHED MAY 22, 1923.

172,078. LEATHER BOOTS, SHOES, OXFORDS, AND LOW QUARTERS. THE GROSSMAN SHOE CO., Chicago, Ill.
Filed February 19, 1923. Serial No. 176,267. PUBLISHED MAY 22, 1923.

172,079. CALENDARS PUBLISHED ANNUALLY. FRANCIS L. SERAGE, doing business as Community Advertising Co., Columbus, Ohio.
Filed February 19, 1923. Serial No. 176,285. PUBLISHED MAY 22, 1923.

172,080. CARTOON SERIALS. THE SUN-HERALD CORPORATION, New York, N. Y.
Filed February 20, 1923. Serial No. 176,370. PUBLISHED MAY 22, 1923.

172,081. PAMPHLET PUBLISHED FROM TIME TO TIME. THE BUTTERICK PUBLISHING COMPANY, New York, N. Y.
Filed February 23, 1923. Serial No. 176,447. PUBLISHED MAY 22, 1923.

172,082. TOILET PAPER. THE PETERSON PAPER COMPANY, Davenport, Iowa.
Filed February 23, 1923. Serial No. 176,501. PUBLISHED MAY 22, 1923.

172,083. LADIES' HATS. GOLDWEB HAT COMPANY, New York, N. Y.
Filed February 24, 1923. Serial No. 176,541. PUBLISHED MAY 22, 1923.

172,084. TOILET PAPER, PAPER NAPKINS, PAPER TOWELS, AND PAPER TABLECLOTHS. FORT HOWARD PAPER COMPANY, Green Bay, Wis.
Filed February 27, 1923. Serial No. 176,674. PUBLISHED APRIL 10, 1923.

172,085. ADVERTISING POSTERS. EDWARD F. MACK, New York, N. Y.
Filed February 27, 1923. Serial No. 176,682. PUBLISHED MAY 22, 1923.

172,086. WOMEN'S, MEN'S, BOYS', GIRLS', CHILDREN'S, AND INFANTS' HATS MADE OF WOOL, SILK, COTTON, FUR, FELT, STRAW, HEMP, RATTAN, OSIER, AND PALM LEAF. NEW ENGLAND PANAMA HAT CO., INC., New York, N. Y.
Filed February 28, 1923. Serial No. 176,756. PUBLISHED MAY 22, 1923.

172,087. MEN'S HATS. J. C. PENNEY COMPANY, Salt Lake City, Utah, and New York, N. Y.
Filed February 28, 1923. Serial No. 176,759. PUBLISHED MAY 22, 1923.

172,088. MEN'S AND BOYS' CAPS. J. C. PENNEY COMPANY, Salt Lake City, Utah, and New York, N. Y.
Filed February 28, 1923. Serial No. 176,760. PUBLISHED MAY 22, 1923.

172,089. PERIODICAL PUBLICATION. L. ALLEN HEINE, doing business as The Heine Service, Ltd., Louisville, Ky.
Filed March 2, 1923. Serial No. 176,828. PUBLISHED MAY 22, 1923.

172,090. MONTHLY PUBLICATION. MILLER FREEMAN, New York, N. Y.
Filed March 3, 1923. Serial No. 176,892. PUBLISHED MAY 22, 1923.

172,091. COFFEE. KLAUBER WANGENHEIM CO., San Diego, Calif.
Filed March 3, 1923. Serial No. 176,896. PUBLISHED MAY 29, 1923.

172,092. PERIODICAL PUBLICATION, PUBLISHED DAILY. NORRISTOWN HERALD INC., Norristown, Pa.
Filed March 3, 1923. Serial No. 176,910. PUBLISHED MAY 22, 1923.

172,093. HEADWEAR—NAMELY, SOFT AND STIFF HATS FOR MEN. L. SHAFARMAN, INC., New York, N. Y.
Filed March 3, 1923. Serial No. 176,921. PUBLISHED MAY 22, 1923.

172,094. CANDIES. QUAKER CITY CHOCOLATE & CONFECTIONERY COMPANY, Philadelphia, Pa.
Filed January 11, 1923. Serial No. 174,487. PUBLISHED MAY 29, 1923.

172,095. PENCILS, PENS, LEADS, AND ERASERS. INGERSOLL REDIPOINT COMPANY, INC., New York, N. Y.
Filed January 11, 1923. Serial No. 174,452. PUBLISHED MAY 22, 1923.

172,096. DATES. TH. GIOCALAS & V. COYIMZOGLU, New York, N. Y.
Filed January 11, 1923. Serial No. 174,439. PUBLISHED MAY 29, 1923.

172,097. DATES. TH. GIOCALAS & V. COYIMZOGLU, New York, N. Y.
Filed January 11, 1923. Serial No. 174,437. PUBLISHED MAY 29, 1923.

172,098. DATES. TH. GIOCALAS & V. COYIMZOGLU, New York, N. Y.
Filed January 11, 1923. Serial No. 174,436. PUBLISHED MAY 29, 1923.

172,099. LEATHER INSOLES. J. G. CURTIS LEATHER COMPANY, Ludlow, Pa.
Filed January 2, 1923. Serial No. 174,074. PUBLISHED MAY 22, 1923.

172,100. MEN'S, WOMEN'S, AND CHILDREN'S SHOES OF LEATHER. R. C. MILOW SHOE CO., INC., Rochester, N. Y.
Filed December 22, 1922. Serial No. 173,713. PUBLISHED MAY 22, 1923.

172,101. MEN'S AND BOYS' HATS AND CAPS. CHARLES S. MERTON & CO., East Rutherford, N. J.
Filed December 21, 1922. Serial No. 173,654. PUBLISHED MAY 22, 1923.

172,102. YEAST CAKES. EVERLASTING YEAST COMPANY, Weiser, Idaho.
Filed December 21, 1922. Serial No. 173,630. PUBLISHED MAY 29, 1923.

172,103. WOMEN'S SHOES HIGH AND LOW MODELS, OF LEATHER, FABRICS, AND COMBINATIONS OF LEATHER AND FABRICS, AND ALSO INCLUDING CORRECTIVE MODELS AND NOVELTY PATTERNS OF SUCH SHOES IN ALL STYLES. JULIUS GROSSMAN, INC., Brooklyn, N. Y.
Filed December 18, 1922. Serial No. 173,490. PUBLISHED MAY 22, 1923.

172,104. LEATHER GLOVES, GAUNTLETS, AND MITTENS. THE JOSEPH N. EISENDRATH COMPANY, Chicago, Ill.
Filed December 18, 1922. Serial No. 173,471. PUBLISHED MAY 22, 1923.

172,105. WOMEN'S HATS. FLORENCE C. MORRISON, Buffalo, N. Y.
Filed December 11, 1922. Serial No. 173,199. PUBLISHED MAY 22, 1923.

172,106. CERTAIN NAMED RECEPTACLES. SCHLUETER MANUFACTURING CO., St. Louis, Mo.
Filed December 4, 1922. Serial No. 172,903. PUBLISHED MAY 29, 1923.

172,107. BRAKE COMPOUND. OLSEN-MOLLER MANUFACTURING COMPANY, Chicago, Ill.
Filed December 1, 1922. Serial No. 172,804. PUBLISHED MAY 1, 1923.

172,108. FOOTWEAR—NAMELY, STITCH-DOWN LEATHER SHOES, FELT, SATIN, AND LEATHER SLIPPERS, AND SPATS. RUBIN BROTHERS, New York, N. Y.
Filed November 25, 1922. Serial No. 172,559. PUBLISHED MAY 22, 1923.

172,109. DRY, PASTE, AND READY-MIXED PAINTS, VARNISHES, PAINT ENAMELS, AND DRY COLORS. BRADLEY-WISE PAINT COMPANY, Los Angeles, Calif.
Filed November 24, 1922. Serial No. 172,464. PUBLISHED MAY 15, 1923.

172,110. HAMS, BACON, LARD, AND SAUSAGE PRODUCTS. THE LAKE ERIE PROVISION COMPANY, Cleveland, Ohio.
Filed November 23, 1922. Serial No. 172,422. PUBLISHED MAY 29, 1923.

172,111. LEATHER BOOTS AND SHOES. CHIPPEWA SHOE MFG. CO., Chippewa Falls, Wis.
Filed November 20, 1922. Serial No. 172,261. PUBLISHED MAY 22, 1923.

172,112. BABY PANTS. BROOKLYN SHIELD & RUBBER COMPANY, Brooklyn, N. Y.
Filed November 15, 1922. Serial No. 172,027. PUBLISHED MAY 22, 1923.

172,113. HOSIERY OF SILK, COTTON, WOOL, AND COMBINATIONS THEREOF. HAYWARD HOSIERY COMPANY, Ipswich, Mass.
Filed November 13, 1922. Serial No. 171,914. PUBLISHED MAY 22, 1923.

172,114. LADIES' HATS. SAMUEL WHITMAN, New York, N. Y.
Filed February 10, 1923. Serial No. 175,900. PUBLISHED MAY 22, 1923.

172,115. RUBBER HEELS. THE MCWADE TIRE AND RUBBER COMPANY, Garrettsville, Ohio.
Filed February 10, 1923. Serial No. 175,878. PUBLISHED MAY 22, 1923.

172,116. OCCASIONAL PUBLICATION. JAMES T. IGOE, Chicago, Ill.
Filed February 8, 1923. Serial No. 175,721. PUBLISHED MAY 22, 1923.

172,117. STRAW HATS AND HATS PARTLY OF STRAW. ENDEL & PELES, New York, N. Y.
Filed February 3, 1923. Serial No. 175,476. PUBLISHED MAY 22, 1923.

172,118. TRADING STAMPS AND COUPONS, BOOKLETS IN WHICH TRADING STAMPS AND COUPONS MAY BE PASTED, AND BLANK CONTRACTS. BANKEE CORPORATION OF AMERICA, Los Angeles, Calif.
Filed February 2, 1923. Serial No. 175,421. PUBLISHED MAY 15, 1923.

172,119. SEMIMONTHLY PUBLICATION. CLASS JOURNAL COMPANY, New York, N. Y.
Filed February 1, 1923. Serial No. 175,385. PUBLISHED MAY 22, 1923.

172,120. MEMORANDA BOOKS. CLIPPER BELT LACER COMPANY, Grand Rapids, Mich.
Filed January 30, 1923. Serial No. 175,301. PUBLISHED MAY 22, 1923.

172,121. MONTHLY MAGAZINE. THE OKLAHOMA PUBLISHING COMPANY, Oklahoma, Okla.
Filed January 29, 1923. Serial No. 175,265. PUBLISHED MAY 22, 1923.

172,122. SHOES MADE OF LEATHER. E. P. REED & CO., Rochester, N. Y.
Filed January 26, 1923. Serial No. 175,164. PUBLISHED MAY 22, 1923.

172,123. WOOD HEELS. GRAY WOOD HEEL CO., Lynn, Mass.
Filed January 26, 1923. Serial No. 175,143. PUBLISHED MAY 22, 1923.

172,124. HATS FOR WOMEN. C. T. PIDGEON MILLINERY CO., Fort Wayne, Ind.
Filed January 25, 1923. Serial No. 175,103. PUBLISHED MAY 22, 1923.

172,125. CUT SOLES OF LEATHER FOR BOOTS AND SHOES. BARBOUR WELTING COMPANY, Brockton, Mass.
Filed January 25, 1923. Serial No. 175,054. PUBLISHED MAY 22, 1923.

172,126. DRY, PASTE, AND READY-MIXED PAINTS, VARNISHES, VARNISH REMOVERS, AND ENAMEL PAINTS. ENTERPRISE PAINT MFG. CO., Chicago, Ill.
Filed January 20, 1923. Serial No. 174,828. PUBLISHED MAY 29, 1923.

172,127. BOOTS, SHOES, AND SLIPPERS OF LEATHER, FABRICS, AND COMBINATIONS OF LEATHER AND FABRICS. WICHERT INC., Brooklyn, N. Y.
Filed January 19, 1923. Serial No. 174,806. PUBLISHED MAY 22, 1923.

172,128. LEAD PENCILS. AMERICAN LEAD PENCIL COMPANY, New York, N. Y.
Filed January 17, 1923. Serial No. 174,683. PUBLISHED MAY 22, 1923.

172,129. LEATHER BOOTS AND SHOES. ANDREW C. ERICKSON, Los Angeles, Calif.
Filed January 15, 1923. Serial No. 174,613. PUBLISHED MAY 22, 1923.

172,130. PIPES. THE BARKMAHN COMPANY, INC., New York, N. Y.
Filed January 13, 1923. Serial No. 174,602. PUBLISHED MAY 22, 1923.

172,131. BOOKS, MORE PARTICULARLY DICTIONARIES, WHICH ARE PUBLISHED FROM TIME TO TIME. G. & C. MERRIAM COMPANY, Springfield, Mass.
Filed January 13, 1923. Serial No. 174,584. PUBLISHED MAY 22, 1923.

172,132. PERIODICAL ISSUED WEEKLY. COLEMAN-DOBSON-CANNON CO., INC., Nashville, Tenn.
Filed January 13, 1923. Serial No. 174,558. PUBLISHED MAY 22, 1923.

172,133. SHOES MADE OF LEATHER. E. P. REED & CO., Rochester, N. Y.
Filed January 12, 1923. Serial No. 174,527. PUBLISHED MAY 22, 1923.

172,134. LATHS AND LUMBER. BOLCOM CANAL LUMBER CO., Seattle, Wash.
Filed February 14, 1923. Serial No. 176,012. PUBLISHED MAY 29, 1923.

172,135. CERTAIN NAMED ELECTRICAL CONTROLLING DEVICES. ALLEN-BRADLEY COMPANY, Milwaukee, Wis.
Filed February 23, 1923. Serial No. 176,438. PUBLISHED MAY 8, 1923.

172,136. HOUSE NUMBERS, CHANGEABLE WINDOW DISPLAY SIGNS, AND SIGN REFLECTORS. THE C. E. Z. COMPANY, Chicago, Ill.
Filed February 23, 1923. Serial No. 176,449. PUBLISHED MAY 29, 1923.

172,137. RADIO RECEIVING SETS. LOUIS A. HAZELTINE, Hoboken, N. J.
Filed February 27, 1923. Serial No. 176,676. PUBLISHED MAY 29, 1923.

172,138. ELECTRICAL TRANSFORMERS. LOUIS A. HAZELTINE, Hoboken, N. J.
Filed February 27, 1923. Serial No. 176,677. PUBLISHED MAY 8, 1923.

172,139. ELECTRICAL CONDENSERS. LOUIS A. HAZELTINE, Hoboken, N. J.
Filed February 27, 1923. Serial No. 176,678. PUBLISHED MAY 8, 1923.

172,140. FINGER RINGS. BYARD F. BROGAN, Philadelphia, Pa.
Filed February 28, 1923. Serial No. 176,714. PUBLISHED MAY 8, 1923.

172,141. FINGER RINGS. BYARD F. BROGAN, Philadelphia, Pa.
Filed February 28, 1923. Serial No. 176,715. PUBLISHED MAY 8, 1923.

172,142. AERIAL INSULATORS AND RADIO PANELS. AMERICAN HARD RUBBER COMPANY, Hempstead and New York, N. Y.
Filed March 1, 1923. Serial No. 176,778. PUBLISHED MAY 8, 1923.

172,143. CALCINED GYPSUM, STUCCO, AND WALL PLASTER. UNITED STATES GYPSUM COMPANY, Chicago, Ill.
Filed March 2, 1923. Serial No. 176,862. PUBLISHED MAY 29, 1923.

172,144. CEMENT PACKING FOR JOINTS. POLYGON PRODUCTS CO., Boston, Mass.
Filed March 15, 1923. Serial No. 177,514. PUBLISHED MAY 29, 1923.

172,145. PLASTER BOARD AND PLASTER WALL BOARD. UNITED STATES GYPSUM COMPANY, Chicago, Ill.
Filed March 21, 1923. Serial No. 177,804. PUBLISHED MAY 29, 1923.

172,146. ALBUMS FOR TALKING-MACHINE RECORDS. JORDAN MARSH COMPANY, Boston, Mass.
Filed March 24, 1923. Serial No. 177,976. PUBLISHED MAY 8, 1923.

172,147. ASPHALT. KENTUCKY ROCK ASPHALT CO., Louisville, Ky.
Filed March 26, 1923. Serial No. 178,047. PUBLISHED MAY 29, 1923.

172,148. RUBBER TILING. FELLSWAY RUBBER CO., Boston, Mass.
Filed March 30, 1923. Serial No. 178,338. PUBLISHED MAY 29, 1923.

172,149. BREAKFAST COATS AND LIKE NEGLIGEES. DE GARCY CO., INC., New York, N. Y.
Filed April 6, 1922. Serial No. 161,821. PUBLISHED JUNE 19, 1923.

172,150. STORAGE BATTERIES AND STORAGE-BATTERY PARTS. MACK BATTERY COMPANY, Los Angeles, Calif.
Filed September 5, 1922. Serial No. 169,065. PUBLISHED MAY 22, 1923.

172,199. PHOTOGRAPHIC REPRODUCTIONS OF PICTURES. LOUIS A. HOWLAND, Hollywood, Calif.
Filed March 22, 1923. Serial No. 177,847. PUBLISHED MAY 22, 1923.

[ACT OF MARCH 19, 1920, SEC. 1 (b)].

THESE REGISTRATIONS ARE NOT SUBJECT TO OPPOSITION.

172,151. (CLASS 39. CLOTHING). THE SUPERIOR CLOTHING COMPANY, New York, N. Y. Filed May 4, 1923. Serial No. 180,198.



Particular description of goods.—Pants, Vests, and Coats.
Claims use since May 1, 1904.

172,152. (CLASS 39. CLOTHING.) THE SIEBERT-CONSTABLE CO., Columbus, Ohio. Filed Apr. 23, 1923. Serial No. 179,560.



Particular description of goods.—Hosiery.
Claims use since Mar. 1, 1922.

172,153. (CLASS 39. CLOTHING.) J. B. ORKIN CORP., New York, N. Y. Filed Mar. 21, 1923. Serial No. 177,798.

Orkin's

Particular description of goods.—Ladies' Wearing Apparel Consisting of Suits, Dresses, Coats, Skirts, Sweaters, Hosiery, Textile Fabric Underwear, Blouses, Furs, Wraps, Muffs, and Capes.
Claims use since Apr. 10, 1918.

172,154. (CLASS 39. CLOTHING.) LESSER AND OPPENHEIMER INC., New York, N. Y. Filed Feb. 24, 1923. Serial No. 176,557.



Particular description of goods.—Dress, Negligee, and Work Shirts; Pyjamas, Nightshirts, Boys' Shirts and Blouses, Men's and Boys' Underwear of One and Two Pieces Composed of Textile Material, Women's Sport Blouses.
Claims use since Aug. 1, 1916.

172,155. (CLASS 39. CLOTHING.) SAMUEL KAPLAN, Philadelphia, Pa. Filed Feb. 23, 1923. Serial No. 176,477.



Particular description of goods.—Men's Dress, Negligee, and Work Shirts.
Claims use since about July 1, 1918.

172,156. (CLASS 39. CLOTHING.) ARTHUR SIEGMAN, INC., New York, N. Y. Filed Jan. 6, 1923. Serial No. 174,267.



Particular description of goods.—Ladies' and Gentlemen's Cravats.
Claims use since Jan. 1, 1922.

172,157. (CLASS 39. CLOTHING.) JACKIE-KLOTHES, INC., Brooklyn, N. Y. Filed Oct. 2, 1922. Serial No. 170,195.

Jackie Klothes

Particular description of goods.—Boys' and Girls' Middy Suits, Blouses, Breeches, Skirts, Bloomers, Pants, Shirts, Reefers, Overcoats, Topcoats, Jackets, Collars, Cuffs, Shields Worn as a Part of Middy Blouses or Sailor Suits, Dresses, and Ties.
Claims use since Mar. 5, 1921.

172,158. (CLASS 39. CLOTHING.) THE SALT'S TEXTILE MANUFACTURING COMPANY, Bridgeport, Conn., and New York, N. Y. Filed Feb. 25, 1921. Serial No. 144,046.

NOVA-FUR

Particular description of goods.—Women's, Children's, and Infants' Coats, Cloaks, Wraps, Capes, Suits, Costumes, Dresses, Waists, Skirts, and Hats.
Claims use since Jan. 18, 1921.

172,159. (CLASS 39. CLOTHING.) THE SALT'S TEXTILE MANUFACTURING COMPANY, Bridgeport, Conn., and New York, N. Y. Filed Feb. 25, 1921. Serial No. 144,047.

SIBERIAN-FUR

Particular description of goods.—Women's, Children's, and Infants' Coats, Cloaks, Wraps, Capes, Suits, Costumes, Dresses, Waists, Skirts, and Hats.
Claims use since Jan. 18, 1918.

172,160. (CLASS 39. CLOTHING.) THE SALT'S TEXTILE MANUFACTURING COMPANY, Bridgeport, Conn., and New York, N. Y. Filed Feb. 25, 1921. Serial No. 144,049.

KARA-FUR

Particular description of goods.—Women's, Children's, and Infants' Coats, Cloaks, Wraps, Capes, Suits, Costumes, Dresses, Waists, Skirts, and Hats.
Claims use since Jan. 18, 1921.

172,161. (CLASS 39. CLOTHING.) JACOB LAUTERSTEIN, Portland, Oreg. Filed Aug. 25, 1921. Serial No. 152,174.

Bradford

Particular description of goods.—Men's, Boys', and Youths' Coats, Vests, Trousers, and Overcoats.
Claims use since June 16, 1913.

172,162. (CLASS 39. CLOTHING.) AMERICAN WHOLESALE CORPORATION (BALTIMORE BARGAIN HOUSE), Baltimore and Cumberland, Md. Filed Jan. 11, 1922. Serial No. 157,745.

LENOX

Particular description of goods.—Soft Collars, Artificial-Silk Ties, and Pure-Silk Ties.
Claims use since Jan. 1, 1921.

172,163. (CLASS 39. CLOTHING.) LOUISVILLE FURNISHING GOODS CO., Louisville, Ky. Filed Feb. 15, 1922. Serial No. 159,364.

LONG WEAR

Particular description of goods.—Work Shirts.
Claims use since Jan. 19, 1922.

172,164. (CLASS 39. CLOTHING.) SWEATER & KNITTED TEXTILE PUBLICITY BUREAU, INC., New York, N. Y. Filed June 3, 1922. Serial No. 164,988.

OUTERwear

Particular description of goods.—Knitted Outer Garments—Namely, Knitted Sweaters, Gloves, Caps for Men, Women, and Children, Capes, Coats, Leggings, Mittens, Scarfs, and Mufflers.
Claims use since Mar. 1, 1921.

172,165. (CLASS 39. CLOTHING.) SWEATER & KNITTED TEXTILE PUBLICITY BUREAU, INC., New York, N. Y. Filed June 3, 1922. Serial No. 164,989.

Knitted OUTERwear

Particular description of goods.—Knitted Outer Garments—Namely, Knitted Sweaters, Gloves, Caps for Men, Women, and Children, Capes, Coats, Leggings, Mittens, Scarfs, and Mufflers.
Claims use since Mar. 1, 1921.

172,166. (CLASS 39. CLOTHING.) SWEATER & KNITTED TEXTILE PUBLICITY BUREAU, INC., New York, N. Y. Filed June 3, 1922. Serial No. 164,991.

Knitted OUTERwear deserves the preference

Particular description of goods.—Knitted Outer Garments—Namely, Knitted Sweaters, Gloves, Caps for Men, Women, and Children, Capes, Coats, Leggings, Mittens, Scarfs, and Mufflers.
Claims use since Sept. 1, 1921.

172,167. (CLASS 39. CLOTHING.) WOLF BROTHERS & COMPANY, INC., Washington, D. C. Filed July 12, 1922. Serial No. 166,795.

IT'S Faultless Hosiery

Particular description of goods.—Hosiery.
Claims use since May 8, 1922.

172,168. (CLASS 39. CLOTHING.) BARNETT-GREEN COMPANY, Pittsburgh, Pa. Filed May 3, 1922. Serial No. 163,301½.

WEAR TEST

Particular description of goods.—Hosiery, Sweaters; Underwear of Knitted and Textile Fabric for Men, Women, and Children; and Neckties.
Claims use since Jan. 16, 1922.

172,169. (CLASS 39. CLOTHING.) PHILLIPS-JONES CORPORATION, New York, N. Y. Filed July 22, 1922. Serial No. 167,264.

the World's Smartest COLLAR

Particular description of goods.—Collars.
Claims use since Apr. 5, 1921.

172,170. (CLASS 39. CLOTHING.) PHILLIPS-JONES CORPORATION, New York, N. Y. Filed July 22, 1922. Serial No. 167,265.

VAN HEUSEN

Particular description of goods.—Collars.
Claims use since Apr. 5, 1921.

172,171. (CLASS 39. CLOTHING.) SPERRY TEXTILE CORPORATION, Mohawk, N. Y. Filed July 24, 1922. Serial No. 167,334.

Sperry Sport Coat

Particular description of goods.—Coats.
Claims use since about May 3, 1922.

172,172. (CLASS 39. CLOTHING.) LARGMAN BROTHERS INC., Philadelphia, Pa. Filed Sept. 12, 1922. Serial No. 169,365.

THE Snugfit

Particular description of goods.—Sweaters.
Claims use since January, 1921.

172,173. (CLASS 2. RECEPTACLES.) TRANSOGRAM CO., INC., Brooklyn, N. Y. Filed Nov. 23, 1922. Serial No. 172,450.

GILT-EDGE

Particular description of goods.—Paper Boxes.
Claims use since about June 15, 1922.

172,174. (CLASS 16. PAINTS AND PAINTERS' MATERIALS.) CON-FERRO PAINT & VARNISH CO., St. Louis, Mo. Filed Oct. 27, 1922. Serial No. 171,255.

EUREKA

Particular description of goods.—Ready-Mixed Paints, Varnish Stains, and Enamels.
Claims use since July 1, 1918.

172,175. (CLASS 5. ADHESIVES.) HARRY GARRISON HALL, doing business as H. G. Hall Manufacturing Company, Cottonwood, Ariz. Filed Oct. 10, 1922. Serial No. 170,604.

PUTON

OUTSIDE RADIATOR CEMENT

(Stops Leaks to Stay Stopped)

TRADE MARK



Particular description of goods.—External Radiator Cement.
Claims use since Feb. 15, 1922.

172,176. (CLASS 29. BROOMS, BRUSHES, AND DUSTERS.) PIONEER BROOM CO., INC., Amsterdam, N. Y. Filed Oct. 5, 1922. Serial No. 170,337.

ROBUSTO

Particular description of goods.—Whisk Brooms.
Claims use since June 1, 1922.

172,177. (CLASS 4. ABRASIVE, DETERGENT, AND POLISHING MATERIALS.) THE AMERICAN AMMONE COMPANY, New York, N. Y. Filed Sept. 8, 1922. Serial No. 169,196.

JAP AMONIA

Particular description of goods.—Soluble Washing Compounds.
Claims use since Mar. 1, 1909.

172,178. (CLASS 49. DISTILLED ALCOHOLIC LIQUORS.) SMITH, KLINE & FRENCH CO., Philadelphia, Pa. Filed Aug. 26, 1922. Serial No. 168,734.

ARUNDEL

Particular description of goods.—Whisky.
Claims use since June 24, 1922.

172,179. (CLASS 45. BEVERAGES, NONALCOHOLIC.) JACK BLUEMANTLE, Paris, France. Filed June 10, 1922. Serial No. 165,266.



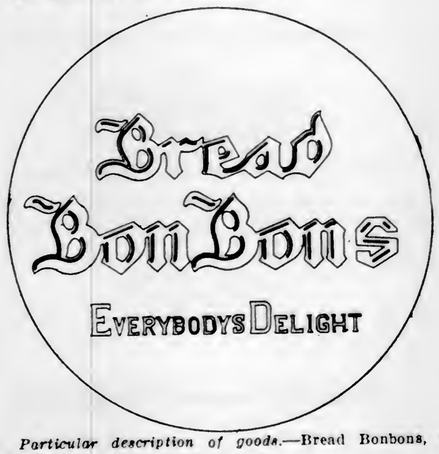
Particular description of goods.—Nonalcoholic, Maltless Beverage Sold as a Soft Drink.
Claims use since May 3, 1922.

172,180. (CLASS 5. ADHESIVES.) NEW WAY LABORATORIES, Hamilton, Ohio. Filed May 20, 1922. Serial No. 164,184.



Particular description of goods.—Laundryproof Fluid for Patching Hosiery and All Fabrics.
Claims use since Aug. 15, 1921.

172,181. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) HARRY C. JACKSON, New York, N. Y. Filed Mar. 24, 1922. Serial No. 161,192.



Particular description of goods.—Bread Bonbons, a Candy Composition.
Claims use since Jan. 5, 1922.

172,182. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) FORT DUMMER MILLS, Brattleboro, Vt. Filed Nov. 19, 1921. Serial No. 155,611.

PATTERN

Particular description of goods.—Cotton Piece Goods.
Claims use since Oct. 11, 1921.

172,183. (CLASS 10. FERTILIZERS.) NEW CASTLE LIME & STONE COMPANY, New Castle and Hillsville, Pa. Filed Feb. 13, 1922. Serial No. 159,278.

NEW CASTLE

Particular description of goods.—Agricultural Lime or Pulverized Limestone for Agricultural Purposes.
Claims use since Mar. 9, 1918.

172,184. (CLASS 29. BROOMS, BRUSHES, AND DUSTERS.) PIONEER BROOM CO., INC., Amsterdam, N. Y. Filed June 9, 1921. Serial No. 148,892.

REUZABLE

Particular description of goods.—Brooms.
Claims use since May 19, 1921.

172,185. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) PAL MEDICINE CO., Boston, Mass. Filed Sept. 24, 1920. Serial No. 173,590.

Pheno-Aspirin

Particular description of goods.—A Laxative for Colds, Headaches, La Grippe, and Constipation.
Claims use since Jan. 5, 1920.

172,186. (CLASS 39. CLOTHING.) DAVID JACOBS CORPORATION, New York, N. Y. Filed May 7, 1923. Serial No. 180,284.

DUO-SEME

Particular description of goods.—Ladies', Men's, and Children's Hosiery.
Claims use since Apr. 7, 1922.

172,187. (CLASS 39. CLOTHING.) THE LARGE & ROOMY OVERALL MFG. CO., Cincinnati, Ohio. Filed May 10, 1923. Serial No. 180,441.



Particular description of goods.—Men's, Boys', and Children's Overalls, Combination One-Piece Suits, and Work Trousers.
Claims use since Aug. 11, 1919.

172,188. (CLASS 45. BEVERAGES, NONALCOHOLIC.) PABST CORPORATION, trading under the name Pabst, Milwaukee, Wis. Filed May 26, 1923. Serial No. 181,207.

Artesia

Particular description of goods.—Table Water.
Claims use since May 19, 1917.

172,189. (CLASS 21. ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES.) ATWATER KENT MANUFACTURING COMPANY, Philadelphia, Pa. Filed May 10, 1923. Serial No. 180,411.

ATWATER KENT

Particular description of goods.—Radiotelephone and Telegraph Instruments and Sets and Parts Therefor, Transformers, Rheostats, Detector Units, Amplifier Units, Detector-Amplifier Units, Vacuum-Tube Sockets, Condensers, Variometers, Variocouplers, Tuners, and Coupler Tuners.
Claims use since on or about Mar. 1, 1922.

172,190. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) LOUIS KREISMAN, doing business as Healthall Medical Company, Fall River, Mass. Filed Apr. 24, 1923. Serial No. 179,607.

HEALTHALL
HEALTH TO ALL

Particular description of goods.—Laxative Pills, Candy Laxative, and a Liquid Laxative Preparation.
Claims use since about Apr. 15, 1920.

172,191. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) SOUTH BEND WHOLESALE GROCERY COMPANY, South Bend, Ind. Filed Mar. 29, 1923. Serial No. 178,291.

BEST EVER

Particular description of goods.—Miscellaneous Groceries.
Claims use since January, 1922.

172,192. (CLASS 21. ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES.) ROHNE ELECTRIC CO., Minneapolis, Minn. Filed Mar. 12, 1923. Serial No. 177,330.

Sta-Warm

Particular description of goods.—Electric Gluepots, Electric Soldering Irons, Electric Frying Pans, Electric Sadirons, Electric Waffle Irons, Electric Curling Irons, and Electric Toasters.
Claims use since on or about Jan. 15, 1916.

172,193. (CLASS 44. DENTAL, MEDICAL, AND SURGICAL APPLIANCES.) J. A. DEKNATEL & SON, INC., Brooklyn, N. Y. Filed Feb. 28, 1923. Serial No. 176,722.

The NURSERY NAME NECKLACE

Particular description of goods.—Infant's Identification Necklace.
Claims use since Aug. 16, 1920.

172,194. (CLASS 7. CORDAGE.) CHARLES C. DAVIS, Chicago, Ill. Filed Feb. 24, 1923. Serial No. 176,537.

STANLEY

Particular description of goods.—Twines, Rope, Strings, and Cordage Made of Vegetable Fiber.
Claims use since Mar. 28, 1922.

172,195. (CLASS 39. CLOTHING.) MILLARDS, Philadelphia, Pa. Filed Feb. 7, 1923. Serial No. 175,671.

"MILLARDS"
The Shops of Sensible Prices

Particular description of goods.—Ladies' Ready-to-Wear Apparel—Namely, Dresses, Waists, Skirts, Suits, Coats, Hosiery, Underwear of Knitted and Textile Fabric, Hats and Hat Frames, and Sweaters.
Claims use since Sept. 27, 1911.

172,196. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) F. S. DUFFY, doing business as The F. S. Duffy Medicine Co., New Bern, N. C. Filed Feb. 5, 1923. Serial No. 175,546.

Dr. Duffy.

Particular description of goods.—Antibilious Pills, Diarrhea Cordial, Itch Ointment, Liniment; Tonic Recommended for Use in the Treatment of Chills, Fever, and Malaria; Tablets Recommended for the Treatment of Malaria, Chills, and Fever; Cough Sirup for the Treatment of Coughs, Bronchial and Lung Affections; and an Ointment for Internal and External Use Recommended as an Alterative, Antirheumatic, Astringent, Cathartic, Stimulant, Counterirritant, Digestive, Gastric Tonic, Laxative, Vermicide, Liniment.
Claims use since Nov. 1, 1905.

172,197. (CLASS 16. PAINTS AND PAINTERS' MATERIALS.) ALLEN PAINT & PUTTY WORKS, Chicago, Ill. Filed Dec. 6, 1922. Serial No. 172,967.

PREMIER

Particular description of goods.—Putty.
Claims use since on or about Aug. 1, 1920.

172,198. (CLASS 45. BEVERAGES, NONALCOHOLIC.) T. L. FINNEY, doing business as Ford Beverage Co., Birmingham, Ala. Filed June 1, 1923. Serial No. 181,441.

FOR HEALTH'S SAKE
Ford Gola
THE TONIC BEVERAGE

Particular description of goods.—Nonalcoholic, Maltless Beverage and Sirup and Extract for Manufacture of Same.
Claims use since Feb. 13, 1921.

TRADE-MARK REGISTRATIONS RENEWED.

23,457. ARTISTS' COLORS, VARNISHES, AND DRIERS. Registered August 8, 1893. J. G. MÜLLER & Co., Stuttgart, Germany. Renewed August 8, 1923, to The Chemical Foundation, Incorporated, Wilmington, Del., assignee.

23,493. A REMEDY FOR DIABETES. Registered August 15, 1893. JOHANN EMIL STROSCHEIN, Berlin, Germany. Renewed August 15, 1923, to The Chemical Foundation, Incorporated, Wilmington, Del., assignee.

23,502. WEARING APPAREL. Registered August 15, 1893. JOHN MADDOCKS, Bradford, England. Renewed August 15, 1923, to H. O. Brandt & Hampson, a Firm composed of Henry Otto Brandt and George Benjamin Hampson, Manchester, England, assignee.

23,530. PREPARATIONS OF IRON DERIVED FROM ANIMAL MATTER, KNOWN AS PHYSIOLOGICAL IRON PREPARATIONS. Registered August 22, 1893. The Firm of E. MERCK, Darmstadt, Germany. Renewed August 22, 1923, to The Chemical Foundation, Incorporated, Wilmington, Del., assignee.

23,531. PREPARATIONS OF IRON DERIVED FROM ANIMAL MATTER, KNOWN AS PHYSIOLOGICAL IRON PREPARATIONS. Registered August 22, 1893. The Firm of E. MERCK, Darmstadt, Germany. Renewed August 22, 1923, to The Chemical Foundation, Incorporated, Wilmington, Del., assignee.

23,533. THERAPEUTIC REMEDIES. Registered August 22, 1893. CHEMISCHE FABRIC AUF ACTIEN, VORMALS E. SCHERING, Berlin, Germany. Renewed August 22, 1923, to The Chemical Foundation, Incorporated, Wilmington, Del., assignee.

23,534. MEDICINAL AGENTS FOR NERVOUS DISEASES AND A FEBRIFUGE. Registered August 22, 1893. The Firm of E. MERCK, Darmstadt, Germany. Renewed August 22, 1923, to The Chemical Foundation, Incorporated, Wilmington, Del., assignee.

23,536. REMEDIES FOR WHOOPING COUGH AND ASTHMATIC DISEASES. Registered August 22, 1893. The Firm of E. MERCK, Darmstadt, Germany. Renewed August 22, 1923, to The Chemical Foundation, Incorporated, Wilmington, Del., assignee.

23,537. REMEDIES FOR CANCEROUS DISEASES. Registered August 22, 1893. The Firm of E. MERCK, Darmstadt, Germany. Renewed August 22, 1923, to The Chemical Foundation, Incorporated, Wilmington, Del., assignee.

23,707. MORDANTS. Registered October 10, 1893. The Firm of TH. GOLDSCHMIDT, Essen-on-the-Ruhr, Germany. Renewed October 10, 1923, to The Chemical Foundation, Incorporated, Wilmington, Del., assignee.

23,713. COTTON, WOOL, SILK, AND WORSTED OR HAIR PIECE GOODS. Registered October 17, 1893. JOHN MADDOCKS, Bradford, England. Renewed October 17, 1923, to H. O. Brandt & Hampson, a Firm composed of Henry Otto Brandt and George Benjamin Hampson, Manchester, England, assignee.

23,724. CLEANING AND POLISHING PREPARATIONS. Registered October 17, 1893. FRIEDRICH ADOLPH SCHULZ and GUSTAV ADOLPH PHILIPP, Leipzig, Germany. Renewed October 17, 1923, to The Chemical Foundation, Incorporated, Wilmington, Del., assignee.

23,820. SCOURING AND POLISHING PREPARATIONS. Registered November 14, 1893. FRIEDRICH ADOLPH SCHULZ and GUSTAV ADOLPH PHILIPP, Leipzig, Germany. Renewed November 14, 1923, to The Chemical Foundation, Incorporated, Wilmington, Del., assignee.

23,927. REMEDIES FOR DIARRHEA AND GOUTY RHEUMATISM. Registered December 19, 1893. CHEMISCHE FABRIK, VORMALS HOFMANN & SCHOETENSACK, Ludwigshafen-on-the Rhine, Germany. Renewed December 19, 1923, to The Chemical Foundation, Incorporated, Wilmington, Del., assignee.

23,941. TEA. Registered December 19, 1893. JAMES BUTLER, New York, N. Y. Renewed December 19, 1923, to James Butler Grocery Company, a Corporation of New Jersey, assignee.

23,944. COFFEE. Registered December 26, 1893. JAMES BUTLER, New York, N. Y. Renewed December 26, 1923, to James Butler Grocery Company, a Corporation of New Jersey, assignee.

LABELS

REGISTERED AUGUST 21, 1923.

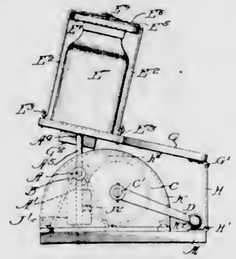
26,337.—*Title:* STOP COUGH CHEWING GUM. For Chewing Gum. STEPHEN B. DEXTER, Los Angeles, Calif. Published November 28, 1922.

26,338.—*Title:* STOP-TO-BAC CHEWING GUM. For Chewing Gum. STEPHEN B. DEXTER, Los Angeles, Calif. Published December 18, 1922.

REISSUES.

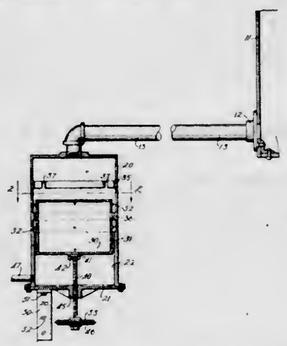
AUGUST 21, 1923.

15,677. CHURN. CHISHOLM ROY BROWN, Somerton, and HERBERT HENRY HINDS, Sydney, New South Wales, Australia, assignors to Emerson-Brantingham Company, Rockford, Ill., a Corporation of Illinois. Filed Apr. 19, 1923. Serial No. 633,249. Original No. 1,365,963, dated Jan. 18, 1921, Serial No. 253,815, filed Sept. 12, 1918. 7 Claims. (Cl. 259—75.)



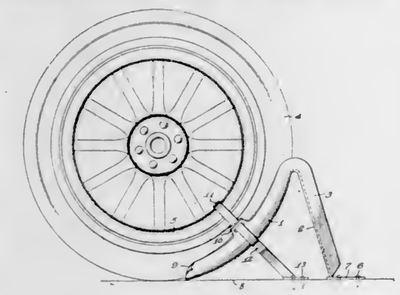
1. In a churn, in combination, a frame, a crank mounted in the frame and arranged for continuous rotation about its axis, a table mounted thereon, a cream receptacle mounted in upright position on said table in proximity to said crank, and means connecting the table to the frame at a point horizontally distant from the crank whereby a tilting motion is imparted to the table simultaneously with the revolving motion to thereby move the upper end of the receptacle a greater distance than the lower end thereof.

15,678. DEVICE FOR DRAINING WATER FROM OIL TANKS. WILLIAM J. MACARTHUR, Los Angeles, Calif., assignor of one-half to Rea E. Maynard. Filed June 12, 1923. Serial No. 644,861. Original No. 1,442,677, dated Jan. 16, 1923, Serial No. 556,350, filed Apr. 24, 1922. 11 Claims. (Cl. 210—51.)



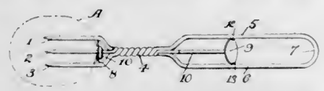
1. In a device of the character described, the combination of: a casing; a plunger movable in said casing and so formed as to leave a small opening between said casing and said plunger; and means for so adjusting said plunger in said casing as to adjust the frictional resistance on a body of fluid flowing through said opening.

15,679. WHEEL-HOLDING DEVICE. REUBEN B. STIPES, JOHN D. GOODWIN, and HOWARD C. WELCH, Flint, Mich. Filed Jan. 10, 1923. Serial No. 611,823. Original No. 1,411,531, dated Apr. 4, 1922. Serial No. 416,006, filed Oct. 11, 1920. 7 Claims. (Cl. 188—32.)



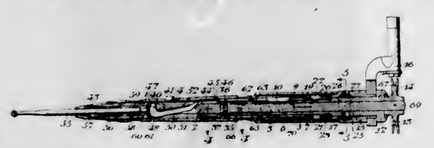
3. A wheel holding device comprising a wheel engaging member having an angularly disposed leg provided with slotted ears, and means extending through the slotted ears and affording another angular leg for said device.

15,680. KITCHEN FORK. FRANK E. SMALL, Jamaica, N. Y. Filed June 22, 1923. Serial No. 647,129. Original No. 1,443,508, dated Jan. 30, 1923, Serial No. 431,156, filed Dec. 16, 1920. 7 Claims. (Cl. 30—5.)



1. An ejector device for kitchen forks having a series of tines, comprising an ejector plate having a central opening at which it is slideable along the middle tine, said plate extending to the outer tines but without operatively engaging the latter, and a finger engageable member guided by the fork handle.

15,681. DENTAL-ENGINE HANDPIECE. WILL R. PORTER, Elmhurst, N. Y., assignor to The S. S. White Dental Manufacturing Company, a Corporation of Pennsylvania. Filed Mar. 3, 1923. Serial No. 622,643. Original No. 1,408,907, dated Mar. 7, 1922, Serial No. 423,650, filed Nov. 12, 1920. 13 Claims. (Cl. 32—15.)



1. A belt-driven dental engine handpiece having a tool-engaging clutch actuated to grip and release a tool by a lever movable longitudinally on an inclined surface.

DESIGNS.

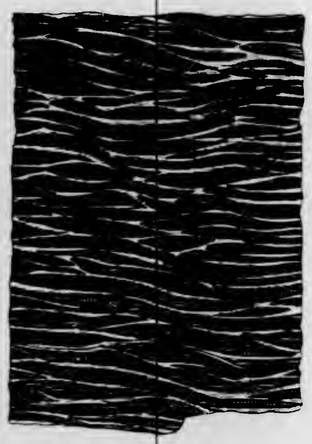
AUGUST 21, 1923.

62,875. PRINTER'S CUT OR DIE. RAGNAR O. BENSON, Brooklyn, N. Y. Filed Nov. 13, 1919. Serial No. 337,863. Term of patent 7 years.



The ornamental design for a printer's cut or die, as shown.

62,876. LEATHER, SKIN, HIDE, IMITATION LEATHER, OR ARTICLE OF SIMILAR NATURE. PHILLIP F. BOYNTON, Yonkers, N. Y., assignor to Helburn Thompson Company, Salem, Mass., a Corporation of Massachusetts. Filed Jan. 26, 1923. Serial No. 4,996. Term of patent 3½ years.



The ornamental design for leather, skin, hide, imitation leather or article of a similar nature substantially as shown.

62,877. STANDING LAMP. EDMUND BRANDTS, Celina, Ohio. Filed Apr. 1, 1922. Serial No. 1,484. Term of patent 7 years.



The ornamental design for a standing lamp, as shown.

62,878. PENCIL. JOHN BRICKEN, Chicago, Ill. Filed Jan. 20, 1923. Serial No. 4,950. Term of patent 14 years.





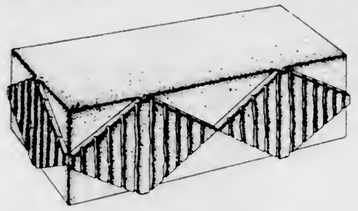
The ornamental design for a pencil as shown.

62,879. CHARM. ROBERT P. BYERS, Toronto, Ontario, Canada. Filed June 8, 1922. Serial No. 2,574. Term of patent 14 years.



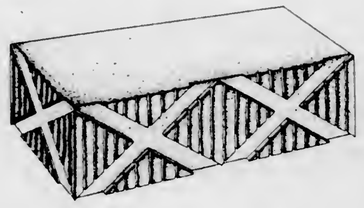
The ornamental design for a charm, as shown.

62,880. BRICK. ANGELO CASTELLANI, Chicago, Ill. Filed Sept. 23, 1922. Serial No. 3,801. Term of patent 14 years.



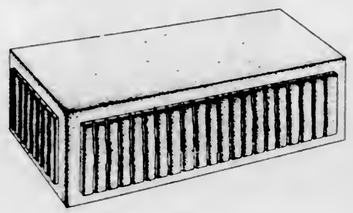
The ornamental design for a brick, as shown.

62,881. BRICK. ANGELO CASTELLANI, Chicago, Ill. Filed Sept. 23, 1922. Serial No. 3,802. Term of patent 14 years.



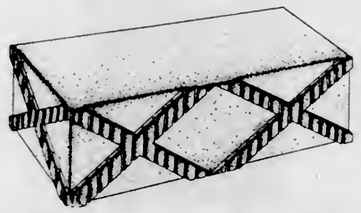
The ornamental design for a brick, as shown.

62,882. BRICK. ANGELO CASTELLANI, Chicago, Ill. Filed Sept. 23, 1922. Serial No. 3,803. Term of patent 14 years.



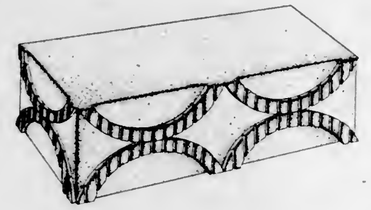
The ornamental design for a brick, as shown.

62,883. BRICK. ANGELO CASTELLANI, Chicago, Ill. Filed Sept. 23, 1922. Serial No. 3,804. Term of patent 14 years.



The ornamental design for a brick, as shown.

62,884. BRICK. ANGELO CASTELLANI, Chicago, Ill. Filed Sept. 23, 1922. Serial No. 3,805. Term of patent 14 years.



The ornamental design for a brick, as shown.

62,885. RING. THOMAS HENRY CLARKE, Newark, N. J., assignor to Shirley Manufacturing Co., Shreveport, La., a Firm consisting of Meyer A. Friedman and David Mendelsohn. Filed Jan. 5, 1923. Serial No. 4,814. Term of patent 7 years.



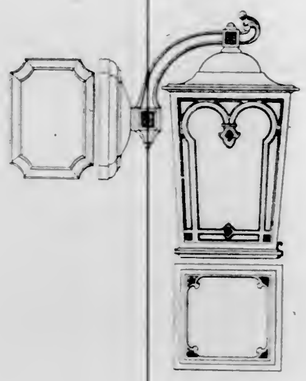
The ornamental design for a ring, substantially as shown.

62,886. BASE FOR LIGHTING FIXTURES. THURE E. DAHL, New York, N. Y. Filed July 21, 1921. Serial No. 486,574. Term of patent 3½ years.



The ornamental design for a base for lighting fixtures, as shown.

62,887. BRACKET LANTERN. THURE E. DAHL, New York, N. Y. Filed July 21, 1921. Serial No. 486,575. Term of patent 3½ years.



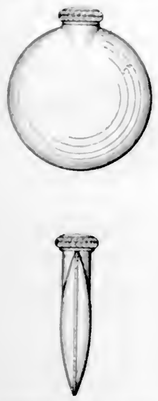
The ornamental design for a bracket lantern, as shown.

62,888. CAN. AUGUSTINE DAVIS, Jr., Covington, Ky., and ARTHUR L. BETTS, Cincinnati, Ohio; said Betts assignor to said Davis. Filed Dec. 16, 1922. Serial No. 4,610. Term of patent 7 years.



The ornamental design for a can, as shown.

62,889. DROPPER BOTTLE. THOMAS A. DE VILBISS, Toledo, Ohio, assignor to The De Vilbiss Manufacturing Company, Toledo, Ohio, a Corporation of Ohio. Filed Oct. 24, 1921. Serial No. 510,148. Term of patent 3½ years.

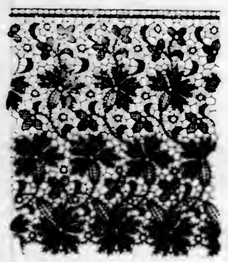


The ornamental design for a dropper bottle, substantially as shown.

62,890. LACE. LAWRENCE DINKELSPIEL, West New York, and EDWIN BOSSHARDT, Hudson Heights, N. J., assignors to Harnapp, Dinkelspiel & Co., Inc., a Corporation of New York. Filed Aug. 9, 1920. Serial No. 402,447. Term of patent 3½ years.

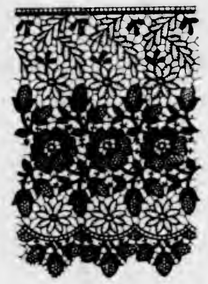
The ornamental design for lace, as shown.

62,891. LACE. LAWRENCE DINKELSPIEL, West New York, and EDWIN BOSSHARDT, Hudson Heights, N. J., assignors to Harnapp, Dinkelspiel & Co., Inc., a Corporation of New York. Filed Aug. 9, 1920. Serial No. 402,448. Term of patent 3½ years.



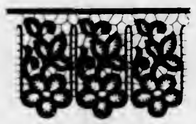
The ornamental design for lace, as shown.

62,892. LACE. LAWRENCE DINKELSPIEL, West New York, and EDWIN BOSSHARDT, Hudson Heights, N. J., assignors to Harnapp, Dinkelspiel & Co., Inc., a Corporation of New York. Filed Aug. 9, 1920. Serial No. 402,449. Term of patent 3½ years.



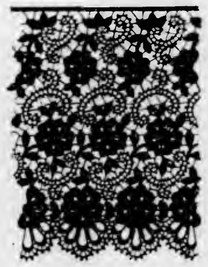
The ornamental design for lace, as shown.

62,893. LACE. LAWRENCE DINKELSPIEL, West New York and EDWIN BOSSHARDT, Hudson Heights, N. J., assignors to Harnapp, Dinkelspiel & Co., Inc., a Corporation of New York. Filed Aug. 9, 1920. Serial No. 402,450. Term of patent 3½ years.



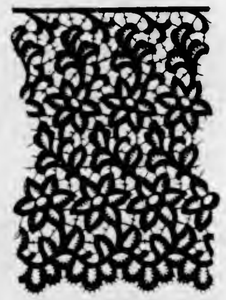
The ornamental design for lace, as shown.

62,894. LACE. LAWRENCE DINKELSPIEL, West New York, and EDWIN BOSSHARDT, Hudson Heights, N. J., assignors to Harnapp, Dinkelspiel & Co., Inc., a Corporation of New York. Filed Aug. 9, 1920. Serial No. 402,451. Term of patent 3½ years.



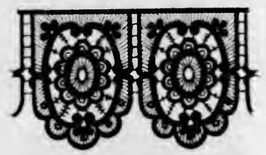
The ornamental design for lace, as shown.

62,895. LACE. LAWRENCE DINKELSPIEL, West New York, and EDWIN BOSSHARDT, Hudson Heights, N. J., assignors to Harnapp, Dinkelspiel & Co., Inc., a Corporation of New York. Filed Aug. 9, 1920. Serial No. 402,452. Term of patent 3½ years.



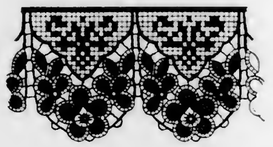
The ornamental design for lace, as shown.

62,896. LACE. LAWRENCE DINKELSPIEL, West New York, and EDWIN BOSSHARDT, Hudson Heights, N. J., assignors to Harnapp, Dinkelspiel & Co., Inc., a Corporation of New York. Filed Aug. 9, 1920. Serial No. 402,453. Term of patent 3½ years.



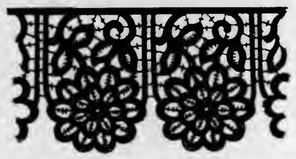
The ornamental design for lace, as shown.

62,897. LACE. LAWRENCE DINKELSPIEL, West New York, and EDWIN BOSSHARDT, Hudson Heights, N. J., assignors to Harnapp, Dinkelspiel & Co., Inc., a Corporation of New York. Filed Aug. 9, 1920. Serial No. 402,454. Term of patent 3½ years.



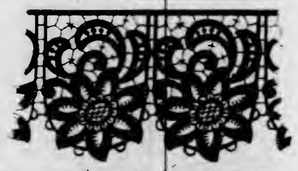
The ornamental design for lace, as shown.

62,898. LACE. LAWRENCE DINKELSPIEL, West New York, and EDWIN BOSSHARDT, Hudson Heights, N. J., assignors to Harnapp, Dinkelspiel & Co., Inc., a Corporation of New York. Filed Aug. 9, 1920. Serial No. 402,455. Term of patent 3½ years.



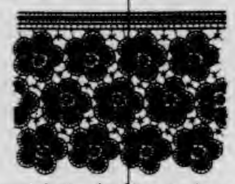
The ornamental design for lace, as shown.

62,899. LACE. LAWRENCE DINKELSPIEL, West New York, and EDWIN BOSSHARDT, Hudson Heights, N. J., assignors to Harnapp, Dinkelspiel & Co., Inc., a Corporation of New York. Filed Aug. 9, 1920. Serial No. 402,456. Term of patent 3½ years.



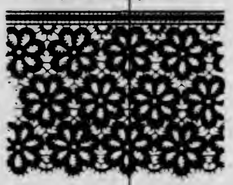
The ornamental design for lace, as shown.

62,900. LACE. LAWRENCE DINKELSPIEL, West New York, and EDWIN BOSSHARDT, Hudson Heights, N. J., assignors to Harnapp, Dinkelspiel & Co., Inc., a Corporation of New York. Filed Sept. 23, 1920. Serial No. 412,395. Term of patent 3½ years.



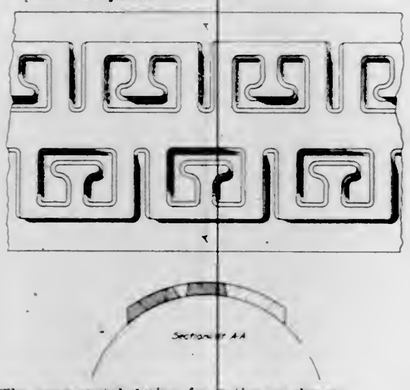
The ornamental design for lace, as shown.

62,901. LACE. LAWRENCE DINKELSPIEL, West New York, and EDWIN BOSSHARDT, Hudson Heights, N. J., assignors to Harnapp, Dinkelspiel & Co., Inc., a Corporation of New York. Filed Sept. 23, 1920. Serial No. 412,396. Term of patent 3½ years.



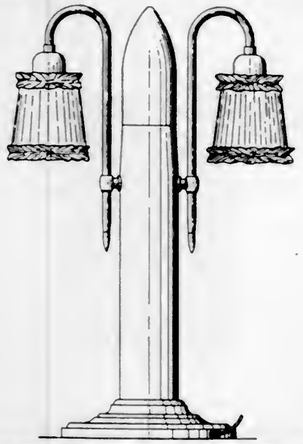
The ornamental design for lace, as shown.

62,902. TIRE. GEORGE F. ENGLERT, Pittsburgh, Pa., assignor of one-half to Charles A. Englert, Pittsburgh, Pa. Filed Nov. 30, 1921. Serial No. 519,004. Term of patent 14 years.



The ornamental design for a tire as shown.

62,903. LAMP SUPPORT. MICHAEL R. GOLDBERG, Minneapolis, Minn. Filed July 10, 1922. Serial No. 3,028. Term of patent 3½ years.



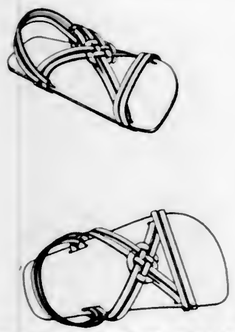
The ornamental design for a lamp support, as shown.

62,904. STOCKING. ROBERT C. GROH, St. Paul, Minn. Filed Feb. 10, 1923. Serial No. 5,135. Term of patent 7 years.



The ornamental design for a stocking, as shown.

62,905. SANDAL. JOHN H. HAMILTON, Seattle, Wash. Filed May 8, 1922. Serial No. 2,121. Term of patent 3½ years.



The ornamental design for a sandal as shown.

62,906. FEATHERSTITCH BRAID OR SIMILAR ARTICLE. ALBERT A. HODGKINS, Bridgeport, Conn., assignor to The American Fabrics Company, a Corporation of Connecticut. Filed Oct. 22, 1921. Serial No. 509,717. Term of patent 7 years.



The ornamental design for featherstitch braid or similar articles, substantially as shown.

62,907. FEATHERSTITCH BRAID AND THE LIKE. ALBERT A. HODGKINS, Bridgeport, Conn., assignor to The American Fabrics Company, a Corporation of Connecticut. Filed Feb. 3, 1922. Serial No. 519. Term of patent 7 years.



The ornamental design for feather stitch braid and the like substantially as shown.

62,908. EMBROIDERY TRIMMING. ALBERT A. HODGKINS, Bridgeport, Conn., assignor to The American Fabrics Company, a Corporation of Connecticut. Filed Feb. 3, 1922. Serial No. 520. Term of patent 7 years.



The ornamental design for embroidery trimming substantially as shown.

62,909. ART LAMP. IMOGENE KIDDER and LENNA MELTON, Portland, Oreg. Filed Aug. 10, 1922. Serial No. 3,338. Term of patent 3½ years.



The ornamental design for an art lamp, as shown.

62,910. CABINET FOR TALKING MACHINES. EUGENE T. KIEFFER and WILLIAM B. STEVENSON, Philadelphia, Pa., assignors to Victor Talking Machine Company, a Corporation of New Jersey. Filed Nov. 20, 1922. Serial No. 4,344. Term of patent 14 years.



The ornamental design for a cabinet for talking machines, as shown.

62,911. CABINET FOR TALKING MACHINES. EUGENE T. KIEFFER and WILLIAM B. STEVENSON, Philadelphia, Pa., assignors to Victor Talking Machine Company, a Corporation of New Jersey. Filed Nov. 20, 1922. Serial No. 4,345. Term of patent 14 years.



The ornamental design for a cabinet for talking machines, as shown.

62,912. TEXTILE FABRIC. HYMAN LEIBOW, Brooklyn, N. Y. Filed Mar. 4, 1922. Serial No. 1,049. Term of patent 3½ years.



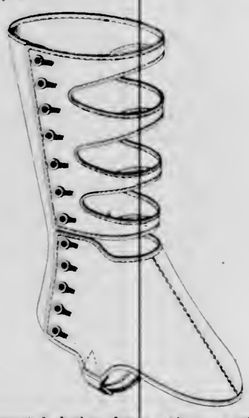
The ornamental design for a textile fabric, as shown.

62,913. DOLL. LILLIAN MCCHESNEY, Honolulu, Territory of Hawaii. Filed Apr. 18, 1922. Serial No. 1,828. Term of patent 3½ years.



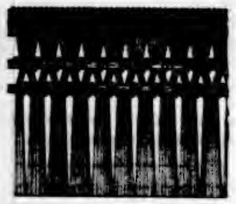
The ornamental design for a doll as shown.

62,914. GAITER. WALLACE METTS, Burlington, Vt. Filed Mar. 29, 1922. Serial No. 1,435. Term of patent 7 years.



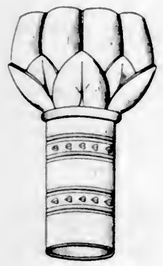
The ornamental design for a gaiter, as shown.

62,915. ORNAMENTAL FRINGE. AUGUST E. NEFF, Chicago, Ill, assignor to Phoenix Trimming Company, Chicago, Ill., a Corporation of Illinois. Filed May 8, 1922. Serial No. 2,124. Term of patent 3½ years.



The ornamental design for ornamental fringe as shown.

62,916. LIGHTING FIXTURE. EUGENE H. PECK, Bronxville, N. Y. Filed May 8, 1922. Serial No. 2,127. Term of patent 3½ years.



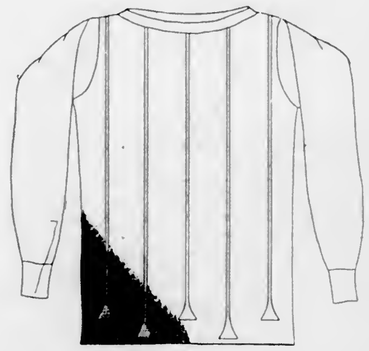
The ornamental design for a lighting fixture as shown.

62,917. GARMENT. JOSEPH PELT. Newark, N. J. Filed May 3, 1922. Serial No. 2,057. Term of patent 3½ years.



The ornamental design for a garment as shown.

62,918. GARMENT. JOSEPH PELT, Newark, N. J. Filed May 3, 1922. Serial No. 2,055. Term of patent 3½ years.



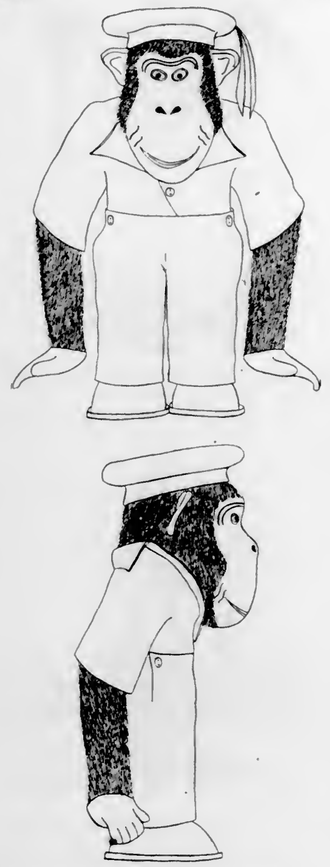
The ornamental design for a garment as shown.

62,919. ELECTRIC LAMP. EDWIN RAY PENNELL, Chicago, Ill., assignor of one-half to A. J. Biel, Chicago, Ill. Filed Oct. 7, 1922. Serial No. 3,899. Term of patent 14 years.



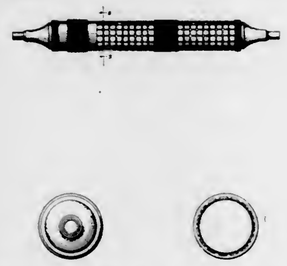
The ornamental design for an electric lamp, as shown.

62,920. DOLL. CHARLES J. ROSS, Oakland, Calif. Filed Apr. 19, 1922. Serial No. 1,845. Term of patent 3½ years.



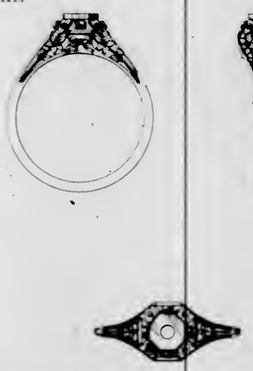
The ornamental design for a doll, as shown.

62,921. DENTAL MALLET. WILLIAM ROSSER. Cleveland, Ohio, assignor to The Cleveland Dental Manufacturing Company, Cleveland, Ohio, a Corporation of Ohio. Filed Apr. 3, 1922. Serial No. 1,515. Term of patent 7 years.



The ornamental design for a dental mallet substantially as shown.

62,922. RING. JOSEPH SIMMONS, New York, N. Y. Filed Feb. 28, 1923. Serial No. 5,327. Term of patent 3½ years.



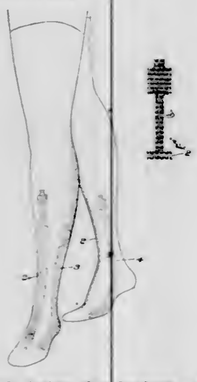
The ornamental design for a ring, as shown.

62,923. DOLL. KITTIE F. SISCHO, Santa Monica, Calif. Filed July 21, 1922. Serial No. 3,166. Term of patent 3½ years.



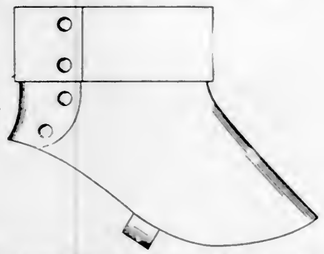
The ornamental design for a doll, as shown.

62,924. HOSIERY. ALBERT E. STEWART, Franklin, N. H., assignor to Acme Knitting Machine & Needle Company, Franklin, N. H., a Corporation of New Hampshire. Filed Feb. 3, 1923. Serial No. 5,068. Term of patent 14 years.



The ornamental design for hosiery, substantially as shown.

62,925. SPAT OR OVERGAITER. ORIN M. THOMAS, Oakland, Calif. Filed Oct. 4, 1922. Serial No. 3,882. Term of patent 7 years.



The ornamental design for a spat or overgaiter, substantially as shown.

62,926. LIGHT REFLECTOR. CARL W. WEBER, Oakland, Kans. Filed June 10, 1921. Serial No. 476,559. Term of patent 14 years.

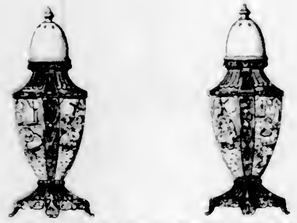




The ornamental design for a light reflector, as shown.

62,927. SALT AND PEPPER SHAKER. ALFRED J. FLAUDER, Bridgeport, Conn., assignor to The Weidlich Bros. Mfg. Co., Bridgeport, Conn., a Corporation of Connecticut. Filed Dec. 30, 1922. Serial No. 4,770. Term of patent 7 years.





The ornamental design for salt and pepper shaker substantially as shown.

62,928. VANITY BOX. BURDON P. HYDE, Waterbury, Conn., assignor to Scovill Manufacturing Company, Waterbury, Conn., a Corporation of Connecticut. Filed Dec. 9, 1922. Serial No. 4,551. Term of patent 7 years.



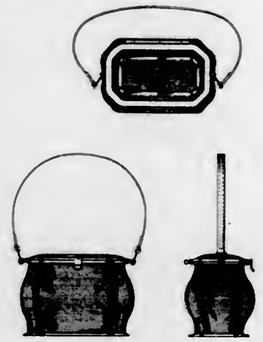
The ornamental design for a vanity box as shown and described.

62,929. DANDELION PICKER. RICHARD W. SIMON, Omaha, Nebr. Filed Dec. 9, 1922. Serial No. 4,539. Term of patent 3½ years.



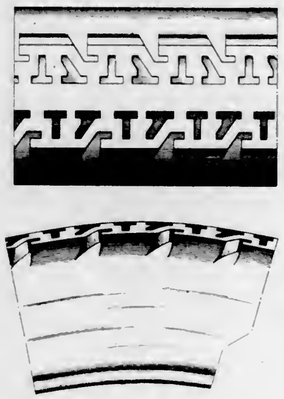
The ornamental design for a dandelion picker, as shown.

62,930. LEATHER HAND BAG. CHARLES STEIN, New York, N. Y. Filed July 3, 1923. Serial No. 6,673. Term of patent 7 years.



The ornamental design for a leather hand bag, as shown.

62,931. AUTOMOBILE TIRE. JOHN G. WOLFE, Chicago, Ill. Filed Apr. 3, 1922. Serial No. 1,512. Term of patent 14 years.

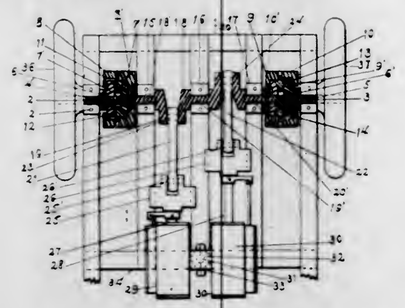


The ornamental design for an automobile tire, as shown.

PATENTS

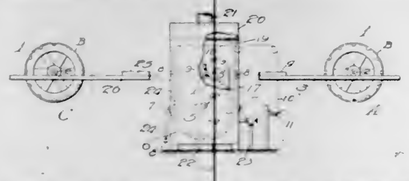
GRANTED AUGUST 21, 1923.

1,465,248. VEHICLE. JOSEPH LE ROY BANKS, Baltimore, Md. Filed Aug. 8, 1921. Serial No. 490,439. 8 Claims. (Cl. 180—1.)



1. In a vehicle, a power drive comprising a shaft divided into three sections, the outer sections of which are suitably secured to propelling wheels at one end and at the other end to a gear, a series of bevel pinions spanning the space between the outer sections and the inner section and meshing with a gear free to rotate around the shaft but frictionally held in a collar casing secured to the inner section and inclosing the said gears and pinions, and means for rotating the inner section of the shaft.

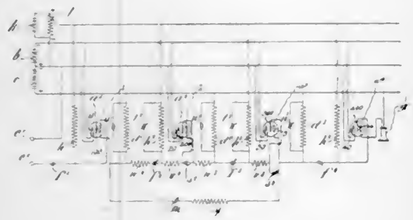
1,465,249. METHOD OF CLEANING RUGS. GEORGE S. BARSUMIAN, Oak Park, Ill. Filed Oct. 28, 1918. Serial No. 259,969. 4 Claims. (Cl. 15—269.)



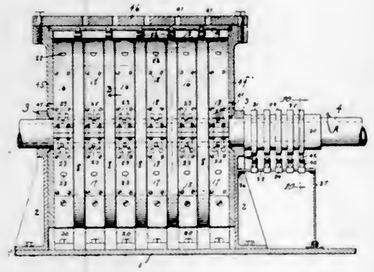
1. The part of a method of cleaning a rug which consists in feeding its nap surface against and past yielding brushing means for gently removing dust therefrom; confining such dust to the vicinity of the rug; collecting the dust by means of a finely divided shower of liquid released from above the rug and distributed over the entire transverse area adjacent the rug, said rug itself being disposed in the path of such shower for removal of the loosened dust on its surface; and draining away the liquid and the dust collected thereby.

1,465,250. TELEPHONE AND WIRELESS-TELEGRAPHY INSTALLATION. LÉON NICOLAS BRILLOUIN, Paris, France. Filed Apr. 25, 1918. Serial No. 230,794. 11 Claims. (Cl. 179—171.)

1. In a wireless receiving system, an amplifier comprising a series of audions each embodying a filament heated by an electric current and two different electrodes, one of which is connected to a source of current of given voltage and the other of which is connected through a resistance to a fixed positive voltage point, and capacities connecting one electrode of each audion with an electrode of another audion of the series, said capacities being sufficiently small to insure amplifying only for frequencies exceeding a given value, and additional capacities interposed between the electrodes and of such value as to insure amplifying only for frequencies below such given value.



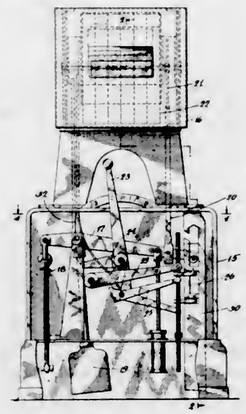
1,465,251. ELECTRIC MACHINE. AMEL B. BROLUSKA and HARRY A. BROLUSKA, Detroit, Mich., assignors of one-third to Cyril Caillian, Detroit, Mich. Filed July 6, 1920. Serial No. 394,123. 9 Claims. (Cl. 171—212.)



2. In an electric machine, the combination of a shaft and supports therefor, a series of magnet holders mounted co-axially of the shaft, a series of electro-magnets mounted in each holder, each magnet having the ends of its cores segmental so that the cores constitute complete rings when secured together, and rotors mounted on the shaft between the magnets.

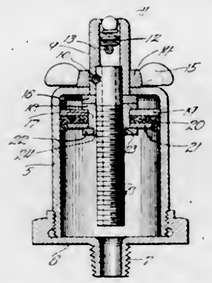
1,465,252. WEIGHING SCALE. ROBERT CRAIG, Dayton, Ohio, assignor, by mesne assignments, to Computing-Tabulating-Recording Co., New York, N. Y., a Corporation of New York. Filed May 7, 1921. Serial No. 467,765. 13 Claims. (Cl. 265—48.)

1. In a weighing scale, in combination, a scale beam, an indicator variably positioned thereby, said indicator having a plurality of sets of indicating characters, one set being in one color and the other in another color, a capacity weight device adapted to deposit a weight upon the scale beam, and a color filter device interacting therewith



and adapted to change the visibility of the graduations from one set to the other upon the changing of the capacity weight.

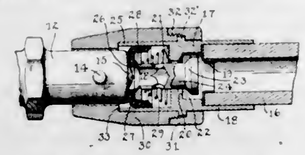
1,465,253. LUBRICATING DEVICE. NORMAN W. CUMMINS, Bridgeport, Conn., assignor to The Bassick Company, Bridgeport, Conn., a Corporation of Connecticut. Filed May 18, 1921. Serial No. 470,709. 3 Claims. (Cl. 184—38.)



3. A lubricating device comprising a receptacle having an outlet opening in one end, a tube rotatably mounted in the other end, a plunger threaded upon the inner end of said tube and having frictional engagement with the inner wall of said receptacle, the inner end of said tube being in communication with said receptacle irrespective of the position of said plunger, an inwardly opening valve in said tube for preventing discharge of lubricant through said tube, means on the outer end of said tube for making a detachable connection with a lubricant compressor, and other means on said tube whereby it can be rotated, said last-named means bearing against the outside of said receptacle to prevent inward longitudinal movement of said tube.

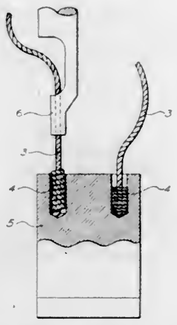
1,465,254. LUBRICATING APPARATUS. ERNEST W. DAVIS, Oak Park, Ill., assignor, by mesne assignments, to The Bassick Manufacturing Company, a Corporation of Delaware. Filed Mar. 17, 1920. Serial No. 366,626. 4 Claims. (Cl. 284—19.)

1. The combination with a nipple for receiving lubricant, of a lubricant compressor having means for discharging lubricant, comprising a nipple, a discharge conduit for said compressor, provided at each end with a coupling member comprising a sleeve fixedly secured to said conduit and provided intermediate its ends with a port having a valve seat, a valve having a solid head for coacting with said seat, and a hollow stem projecting through said port, there being a clearance space between said stem and the walls of said port, the said valve opening inwardly and the stem of said valve being provided with a lateral port, a gasket secured to the outer end of said stem, and



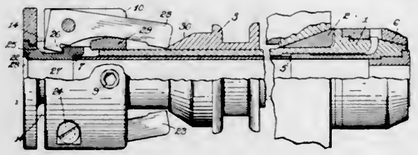
adapted to bear against said nipple, and the inner walls of said sleeve, said gasket being provided with a port in registry with the open end of said stem, a spring confined between a portion of said sleeve and said gasket for closing said valve on its seat, and means for securing said sleeve to said nipple, comprising a second sleeve rotatably mounted on said first mentioned sleeve, said second sleeve and said nipple being provided with co-acting means for effecting a detachable connection.

1,465,255. PIGTAIL CONNECTION. FARNUM F. DORSEY, Rochester, N. Y., assignor to North East Electric Company, Rochester, N. Y., a Corporation of New York. Filed Oct. 19, 1921. Serial No. 508,853. 2 Claims. (Cl. 171—326.)



1. The combination, with a carbon brush or the like provided with a hole, of a stranded conductor extending into the hole, and bent back and coiled around itself, with the coils compacted together and compressed into frictional engagement with the walls of the hole to secure the conductor to the brush.

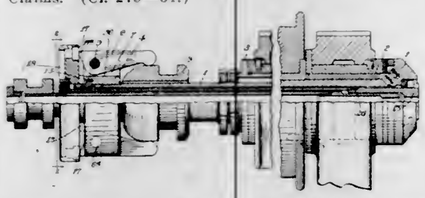
1,465,256. PUSH CHUCKING MECHANISM. ALFRED E. DAISSNER, Cleveland, Ohio, assignor to The National Acme Company, Cleveland, Ohio, a Corporation of Ohio. Filed May 17, 1921. Serial No. 470,477. 15 Claims. (Cl. 279—51.)



1. Chucking mechanism comprising in combination a chuck, a thrust member and a finger holding member, fingers operative for moving one relatively to the other in

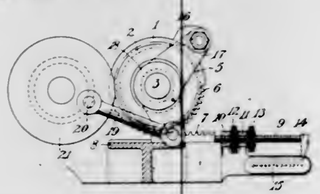
one direction, and means for interconnecting said members, said means comprising a spring carried interiorly of one thereof, and operative to cause relative movement of said members in the opposite direction.

1,465,257. DRAWBACK CHUCKING MECHANISM. ALFRED E. DRISSNER, Cleveland, Ohio, assignor to The National Acme Company, Cleveland, Ohio, a Corporation of Ohio. Filed May 17, 1921. Serial No. 470,478. 10 Claims. (Cl. 279—51.)



1. The combination of thrust means, a finger holding member, fingers carried thereby, means for shifting said fingers into engagement with the thrust means, thereby shifting said thrust means and member one relatively to the other in one direction, and a resilient connection between said thrust means and member normally adapted to prevent relative rotational movement thereof and to shift said thrust means and member one relatively to the other in the opposite direction.

1,465,258. MEANS FOR CONTROLLING THE OPERATION OF PAWL-AND-RATCHET MECHANISM. ARTHUR GORDON FRENCH, Altrincham, England, assignor to Linotype and Machinery Limited, London, England. Filed Dec. 30, 1921. Serial No. 525,928. 3 Claims. (Cl. 74—54.)



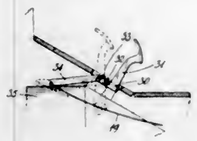
1. Means for controlling the operation of pawl and ratchet mechanism comprising in combination a shroud adjustable for varying the number of ratchet teeth engaged by the pawl, a toothed segment fast to the shroud, a rack engaging the segment, a pointer fast to the rack, a fixed scale with which the pointer is adapted to register, and means operative to adjust the rack and pointer simultaneously.

1,465,259. DENTAL APPARATUS. HENRY FRIEDMAN, Chicago, Ill. Filed Oct. 10, 1921. Serial No. 506,735. 9 Claims. (Cl. 32—5.)



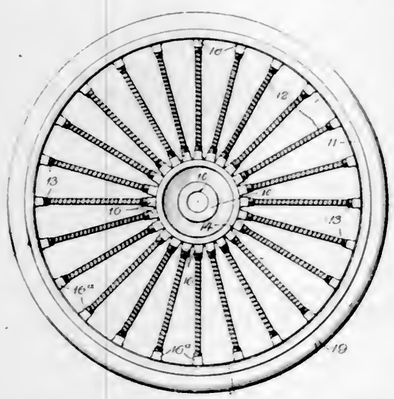
5. A lip retractor, means for mounting the retractor upon the head of a patient, and a gum retractor carried by the lip retractor, the gum retractor comprising a hook device for engaging the gum at an incision, the hooked device carried on one end of a laterally adjustable member, the opposite end of said member secured to a rigid member, and a clamping screw for securing the rigid member to the lip retractor in an adjusted position.

1,465,260. STOP SIGNAL DEVICE. JAMES GEIER, Troy, N. Y. Filed Mar. 9, 1922. Serial No. 542,294. 3 Claims. (Cl. 74—81.)



1. The combination with an automobile signal attachment, of means to actuate said signal, comprising a pair of pivotally connected members connected to the brake operating mechanism of the automobile and means to connect said members to the signal, said members adapted to be moved from relatively inclined positions into substantial alignment with each other upon depression of the brake pedal, whereby the movement of the brake pedal will transmit a greater movement to the connecting means.

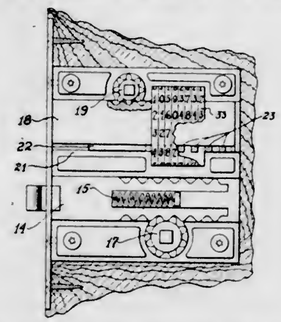
1,465,261. VEHICLE WHEEL. ANTON GERSTMAYR, Chicago, Ill. Filed Aug. 15, 1919. Serial No. 317,673. 1 Claim. (Cl. 152—52.)



In a substantially rigid vehicle wheel, the combination of a rim, a hub, a plurality of all-metal spokes connecting the rim and hub, said spokes comprising a helically coiled metal strip having a greater width than thickness with its greater dimension lying parallel with the axis of the coil for the purposes set forth.

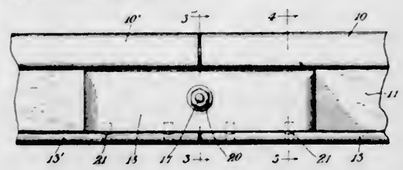
1,465,262. PERMUTATION DOOR LOCK. PIOTR GIBA, Chicago, Ill. Filed Oct. 16, 1922. Serial No. 594,718. 2 Claims. (Cl. 70—53.)

1. A lock comprising a movable rectangular bolt, positive means for actuating said bolt, a rib formed on one edge of said bolt, a plurality of bearing members mounted on the bolt, locking discs rotatably mounted on the bearing members, said locking discs being provided with notches, teeth on said rib arranged so that when the notches are in alignment, the bolt will be free to move



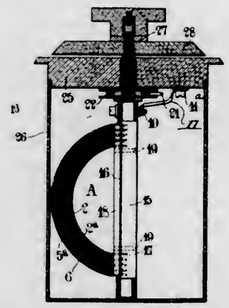
through the discs and their respective bearing members, and rings on the discs arranged to move the discs and rings on said bearing members.

1,465,263. RAIL JOINT. LUDWIG GLANZER, Winkler, Kans. Filed Dec. 9, 1922. Serial No. 605,767. 1 Claim. (Cl. 238—180.)



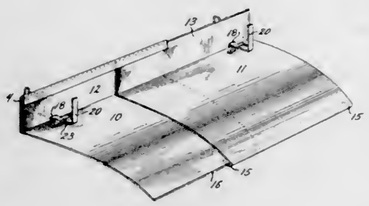
A track rail joint fastening comprising in combination with a pair of rails having paired circular openings in their flanges on each side of and adjacent the webs thereof, of a pair of fish plates suited to the rails, said rails having registering semi-circular recesses in their abutting ends, of a circular disc filling the mentioned recesses, round pins extending rigidly from the lower edges of said fish plates engaging in the flange openings, and a bolt passing through said fish plates and an opening in said disc.

1,465,264. ELECTRIC CONDENSER. FREDERICK GEORGE GOLDSTONE, Plumstead, London, England, assignor to Joseph Francis Bernard and John Bruce Bolitho, London, England. Filed Sept. 14, 1920. Serial No. 410,211. 9 Claims. (Cl. 250—41.)



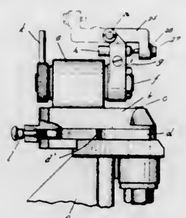
1. A variable electrical condenser comprising a plurality of condenser surface elements each in the form of a cup or shell such as is generated by the partial revolution about an axis of a line which cuts the axis at two points, and means for supporting said condenser surface elements coaxially so that relative rotary movement may be effected between the elements for the purpose of varying their effective or facing area to vary the capacity of the condenser.

1,465,265. STORM VENTILATOR FOR WINDOWS. SPENCER W. HAMME, Philadelphia, Pa. Filed Mar. 28, 1922. Serial No. 547,409. 5 Claims. (Cl. 98—31.)



1. A storm ventilator including a sheet; a clamping flange on the sheet, and clamps slidably secured to the sheet and having their jaws disposed at opposite sides of the flange.

1,465,266. WHEEL-TRUING MECHANISM. BENGT M. W. HANSON, Hartford, Conn. Filed Jan. 25, 1922. Serial No. 531,642. 6 Claims. (Cl. 125—11.)



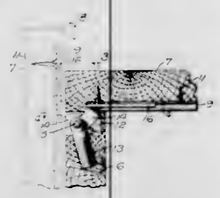
1. In combination, a tool carrying part indexible about a fixed axis, a tool adjustable therein on a line intersecting said axis, a gage arm in definite relation to said tool carrying part but movable into and out of operative relation, a member mounted for adjustment in said gage arm and with which said tool is adapted to be brought into engagement, and means for determining the extent of adjustment of said member to correspond to a desired thread contour.

1,465,267. SPEAR. SOLOMON T. HENRY, Downsville, La. Filed Oct. 9, 1922. Serial No. 593,323. 1 Claim. (Cl. 43—6.)



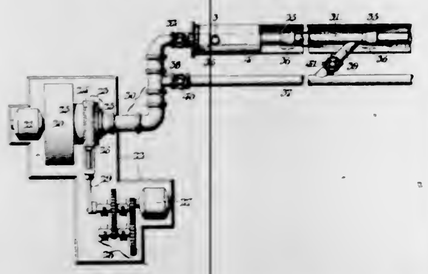
A spear of the class described comprising a forked member having a recess in each prong, each recess having its outer wall straight and its inner wall inclined, a beard pivotally mounted in each recess, each beard having flanges for engaging the inner walls of the prong when the central part of the beard is engaging the inclined wall, and a shoulder formed on each beard for engaging the straight wall for limiting the outward movement of the beard.

1,465,268. HINGE. HENRY E. HOLBROOK, Boston, Mass. Filed May 10, 1922. Serial No. 559,734. 2 Claims. (Cl. 16—179.)



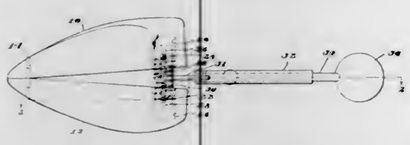
1. The combination with a stationary member and a movable member normally disposed at an angle to the stationary member, of a guide fixed to the inner face of said movable member, and a hinge comprising a leaf anchored to said stationary member and a leaf pivoted to said anchored leaf and slidingly engaged in said guide whereby said members are pivotally and slidingly connected together so as to permit said movable member to be disposed in a closed position with one margin overlapping said stationary member or to be disposed outside of and substantially parallel with said stationary member.

1,465,269. METHOD OF AND SYSTEM FOR CONVEYING. ROBERT W. P. HORN, Allentown, and JACOB H. NISSLEY, Manheim, Pa. Filed Feb. 25, 1922. Serial No. 539,181. 9 Claims. (Cl. 302—24.)



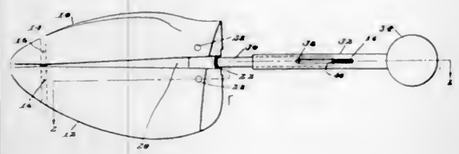
1. The method of conveying finely comminuted solids which consists in effecting transfer through a closed conduit by aid of compressed air or other gas intermittently discharged within the conduit at intervals lengthwise of the same.

1,465,270. SHOE-TREE. OLIVER J. HOWE, Brockton, Mass., assignor to Mawhinney Last Company, Brockton, Mass., a Corporation of Massachusetts. Filed July 21, 1921. Serial No. 486,418. 7 Claims. (Cl. 12—128.2.)



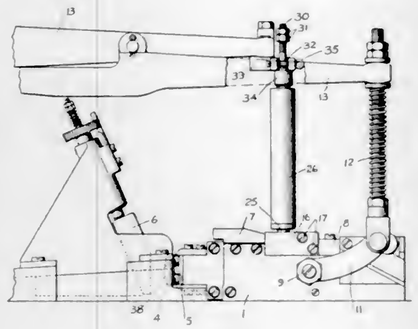
1. A shoe tree comprising a fore part, having longitudinal sections connected at their toe ends by a hinge whose parts are secured to said sections and to each other and thereby prevent the spreading of the said sections at the toe; combined with a spring spreader arranged between the rear ends of said sections and tending constantly to spread them; a heel part; and a T-shaped connecting element whose head portion is a cross rod which loosely engages said sections of the fore part and holds said spreader in place between them, and whose leg portion connects the heel part therewith.

1,465,271. SHOE-TREE. OLIVER J. HOWE, Brockton, Mass., assignor to Mawhinney Last Company, Brockton, Mass., a Corporation of Massachusetts. Filed July 21, 1921. Serial No. 486,419. 5 Claims. (Cl. 12—128.2.)



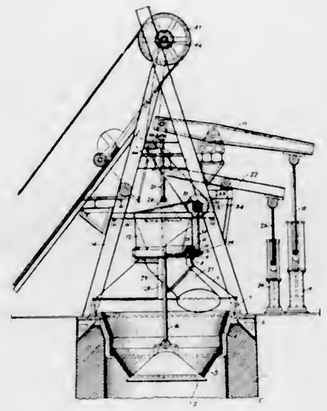
1. A three-block shoe tree comprising two fore blocks which together constitute a forepart, separated by a longitudinal cleft and hinged together at the toe; the third block, constituting the heel part and located at a distance from the forepart; an extensible-leg T-shaped junction member for the three blocks; and a pin driven through the wood of each fore block into the head of the T; the leg of the T rigidly attached to the heel and running into the cleft of the forepart to the head of the T; and the head of the T being set loosely in socket holes sunk transversely in the fore blocks and having cam slots in which the pins engage, holding the whole together with the T capable of limited swing around its said head.

1,465,272. TYPOGRAPHIC BORDER MECHANISM. MAURITZ C. INDAHL, Philadelphia, Pa., assignor to Lanston Monotype Machine Company, Philadelphia, Pa., a Corporation of Virginia. Filed Apr. 1, 1922. Serial No. 548,812. 5 Claims. (Cl. 199—1.)



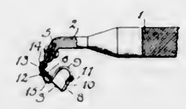
1. Typographic mechanism comprising mold walls forming a casting cavity, a matrix for closing one side of said cavity and for giving form to a portion of the cast, an actuating rod connected with said matrix to move it alternately from mold closing position to a removed position for permitting ejection of the cast, means for causing ejection of the cast, and a matrix guide forming a structural part of the mold and having walls in slidable contact with the side walls of the matrix to guide the latter in all positions thereof.

1,465,273. BLAST-FURNACE TOP. WARREN LAWSON KLUTTZ, Birmingham, Ala. Filed Aug. 4, 1920. Serial No. 401,102. 7 Claims. (Cl. 214—37.)



1. In a blast furnace top, the combination with the main bell and its hopper, of an intermittently rotatable distributing means adapted to discharge the stock in a direction substantially at right angles to a radius of the hopper at the discharge end of said distributing means.

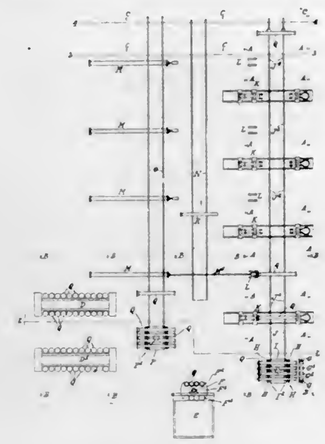
1,465,274. SAFETY RAZOR. CHARLES H. KREBS, Milwaukee, Wis., assignor to Krebs Safety Razor Corporation, Chicago, Ill., a Corporation of Illinois. Filed Feb. 3, 1921. Serial No. 442,112. 2 Claims. (Cl. 30—12.)



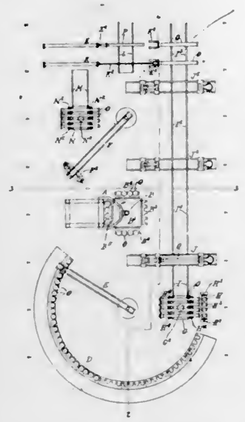
1. In a safety razor, a blade-seating head, a guard carried thereby, a resilient blade-holder secured along one longitudinal edge portion to the head, the other longitudinal edge portion being free and urged toward the head whereby to define a blade-receiving space between the seating surface of the head and the inner surface of the blade-holder, a pair of spaced lips on said free edge of the blade-holder, the outer end of one lip and the inner end of the other being rounded, means facilitating the insertion of a blade into said space from one end, and a stop finger at the opposite end of the space and partially closing the same, said space being adapted to receive a blade having a locking lug on one end and a kerf in the other end, the lug being disposed in the partially closed end of said space adjacent the stop finger, the kerf having the first mentioned lip engaged therein.

1,465,275. FOUNDRY PLANT. JAMES B. LADD, Ardmore, Pa., assignor to United States Cast Iron Pipe & Foundry Company, Burlington, N. J., a Corporation of New Jersey. Filed Nov. 5, 1921. Serial No. 512,981. 5 Claims. (Cl. 22—20.)

1. A plant comprising in combination centrifugal casting machines using sand-lined molds, a ramming machine adapted to act simultaneously on a group of aligned molds, one or more drying racks adapted to receive and hold in position aligned groups of molds and means for handling and transporting aligned groups of molds to and from the ramming machine and drying racks and to a receiving station for the casting machines.

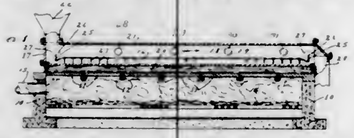


1,465,276. FOUNDRY PLANT. JAMES B. LADD, Ardmore, Pa., assignor to United States Cast Iron Pipe & Foundry Company, Burlington, N. J., a Corporation of New Jersey. Filed Nov. 5, 1921. Serial No. 512,982. 2 Claims. (Cl. 22—20.)



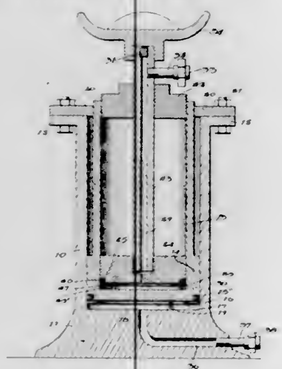
1. A foundry plant for the centrifugal casting of pipes comprising two jib cranes, a flask ramming machine lying between and within the operating radius of both cranes, a drying rack lying within the operating radius of one crane, a flask receiving structure lying within the radius of the last mentioned crane, a series of centrifugal casting machines each one of which lies within the operating radius of one or the other crane, pipe pulling machines the flask holding devices for which lie within the radius of the crane remote from the rack and a flask grouping device within the radius of the last mentioned crane.

1,465,277. APPARATUS FOR EXTRACTING OIL FROM SHALES. JOHN MAYES and REBER HOMRIGHOUS, Wichita, Kans. Filed Aug. 16, 1920, Serial No. 403,883. Renewed June 8, 1923. 2 Claims. (Cl. 196—19.)



1. In a retort of the class described, a sealed enclosure, horizontally disposed containing molten lead, a container, horizontally disposed and arranged above the enclosure and a plurality of vapor outlets leading therefrom; a pair of shafts revolvably mounted, one at either end of the container and each having crank means operable thereby, bars connecting between said crank means and paddles at spaced intervals transversely arranged within the container and depending from said bars towards the enclosure.

1,465,278. LIFTING JACK. WILLIAM J. MELCHIOR, Fargo, N. Dak. Filed Aug. 25, 1921. Serial No. 495,285. 3 Claims. (Cl. 138—9.)



2. A pneumatic jack comprising an upright cylinder, a pair of telescopic pistons within said cylinder and upwardly movable with respect thereto, said cylinder having its lower end closed and forming a compression head for the outermost piston and the last named piston forming a compression head for the innermost piston, means whereby the space existing between each piston head and its associated compression head may be adjusted and thereby to regulate the height of the pneumatic jack, and means whereby compressed fluid may be introduced beneath each of the piston heads for raising the same.

1,465,279. MOWING MACHINE AND CUTTER THEREFOR. HUBERT HOWARD MONTAGUE, Traverse City, Mich. Filed Mar. 9, 1921. Serial No. 450,922. 8 Claims. (Cl. 56—295.)



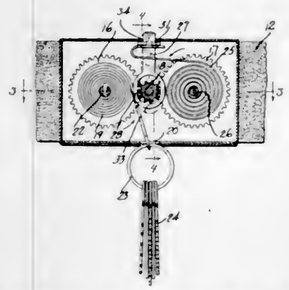
8. In a mowing machine, a shaft, a series of toothed wheels fixed to the shaft and adapted to run upon the ground, a frame supported on the shaft, and a series of cutting units supported on the frame in the vicinity of said wheels, there being as many wheels as there are cutting units, each cutting unit comprising two wheels each having two sets of gear teeth lying in planes displaced from each other in the axial direction and mutilated so that each has at one side a cutting edge extending transverse to a radius traversing that tooth, the teeth of one set lying opposite the spaces of the teeth in the other set, the teeth of one of said cutting wheels meshing with the corresponding toothed supporting wheel for the machine and both sets of teeth of the latter cutting wheel meshing with the teeth of the other cutting wheel of that unit.

1,465,280. ICE-MAKING APPARATUS. OCTAVIUS JEFFRIES MORRIS, New Orleans, La., assignor of one-half to Frank C. Barks, New Orleans, La. Filed Mar. 10, 1921. Serial No. 451,133. 4 Claims. (Cl. 62—159.)



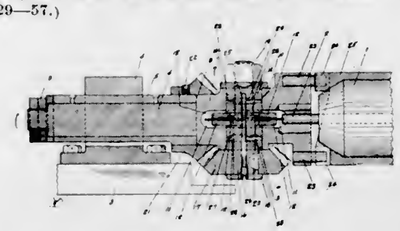
1. A combined air introducing and ice cake lifting means for a mold, comprising in combination a T-fitting, a pipe extending from each horizontal portion thereof, their ends being adapted to rest upon the edges of a mold, a pipe extending from the vertical portion of the T-fitting to approximately the lower end of the mold and communicating with each of the pipes extending from the horizontal portions of the T-fitting, a nipple threaded into each of the pipes extending from the horizontal portions of the T-fitting, and a closure for the outer ends of each of said pipes.

1,465,281. KEY-CHAIN REEL. THOMAS J. MORRISON, New York, N. Y. Filed Nov. 16, 1921. Serial No. 515,590. 7 Claims. (Cl. 242—98.)



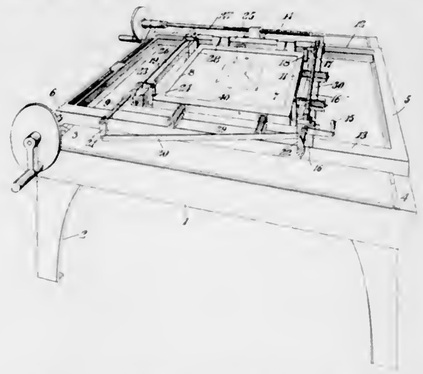
1. A key chain reel of the character described, comprising a casing, a pair of gear wheels each mounted on a drum rotatably mounted in the casing, said gears being spaced apart and disposed edgewise to each other, a pinion rotatably mounted in the casing between said gears meshing with both of them for transmitting motion from one to the other, and means for locking the pinion against rotation.

1,465,282. SLOTTING TOOL. SAMUEL H. NORTON, Meadville, Pa., assignor to McCrosky Tool Corporation, Meadville, Pa., a Corporation of Pennsylvania. Filed July 14, 1921. Serial No. 484,576. 1 Claim. (Cl. 29—57.)



In a slotting tool, the combination of a cutter head having a transverse bearing therein; sleeve spindles arranged in the bearing; clamping plates between the sleeve spindles; a cutter carried by the clamping plates; a bolt extending through the sleeve spindles and clamping the spindles and cutter together; a gear carried by the bolt; and a stationary gear meshing with the first mentioned gear.

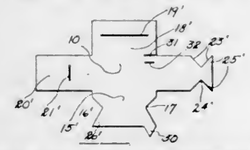
1,465,283. PHOTOGRAPHIC-PRINTING DEVICE. ASHLEY G. OGDEN, Baltimore, Md. Filed Mar. 7, 1921. Serial No. 450,310. 13 Claims. (Cl. 95—73.)



1. In a photographic printing device, the combination with a negative support of a cradle adapted to be moved to and from said support, a carriage for supporting the cradle, guides for the cradle on the carriage located on adjacent sides thereof, and springs in cooperation with said cradle and carriage for holding the cradle against the guides.

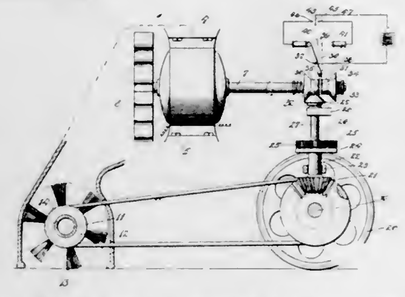
1,465,284. ENVELOPE. JAN OSENKOWSKI, Brooklyn, N. Y. Filed Sept. 19, 1922. Serial No. 589,069. 1 Claim. (Cl. 229—84.)

An envelope comprised of a blank shaped to produce an elongated rectangular central portion, a tab at each end thereof equaling four-fifths of the length of the central portion, one of said tabs having oppositely formed inreaching angular notches and the other tab a slit receptive of the end of the mating tab when folded in parallel lines from the bottoms of the notches, a tab at each side of said central element, said tabs being substantially equal in width to the central portion, one of said tabs having oppositely formed inreaching angular notches and the other a slit receptive of the end of



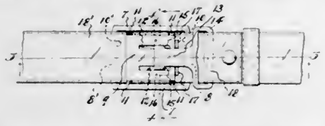
the mating tab when folded in parallel lines from the bottoms of the notches, an angular extension on the notched tab, the opposite side of the blank having slits receptive of said extension, said extension presenting portions adapted to be covered by an adhesive stamp.

1,465,285. SUCTION CLEANER. EDWIN A. PETERSON, Madison, Wis., assignor to Vincent Camarata, John Codrick, and Raymond P. Danley, all of Philadelphia, Pa. Filed Feb. 7, 1921. Serial No. 443,101. 4 Claims. (Cl. 15—18.)



3. A suction cleaner comprising a suction nozzle, a fan chamber and a motor casing arranged in the order named, a motor in said motor casing, a fan in said fan chamber operatively connected with said motor, traction wheels mounted on and supporting said cleaner and transmission mechanism including a reducing gearing operatively connecting the motor and traction wheels.

1,465,286. BELT OR STRAP BUCKLE. SAMUEL M. RIKER, Chester, N. J. Filed June 7, 1922. Serial No. 566,445. 5 Claims. (Cl. 24—194.)



1. A belt or strap buckle, comprising a main frame having transverse passages at its respective ends, a slide-plate longitudinally movable on said main frame, said slide-plate having a loop-member at its outer end for the attachment of the fixed end of the belt or strap thereto, and clamp jaw devices connected with the slide-plate and cooperating with a margin of one of said transverse passages of said frame to pinch the free end of the belt or strap.

1,465,287. DIRECTION INDICATOR FOR VEHICLES. JOHN ELMER RUTHERFORD, Toronto, Ontario, Canada. Filed May 3, 1922. Serial No. 558,271. 11 Claims. (Cl. 116—44.)

1. In a vehicle signal, the combination of an open fronted casing; a holder secured to the front of said

casing; a shield having indication perforations therein; and slides in front of and normally concealing said perforations but slidable within the casing relative to said shield to expose said perforations and means behind the shield illuminating the interior of the casing.

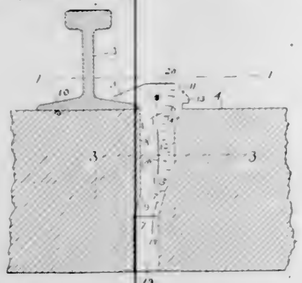


1,465,288. WARDROBE. BRUNO SCHWARZE, Berlin-Charlottenburg, Germany, assignor to the Firm Wolf, Netter and Jacobi, Berlin, Germany. Filed Jan. 19, 1921. Serial No. 438,341. 4 Claims. (Cl. 45—37.)



1. The combination, in a wardrobe, of a flap consisting of two articulated portions covering one half of the back wall and one side wall, a hinge at the edge of said flap at about the middle of the back wall around which the said flap is adapted to be swung into the other half of the wardrobe and a hinged flap covering one half of the inside of the door.

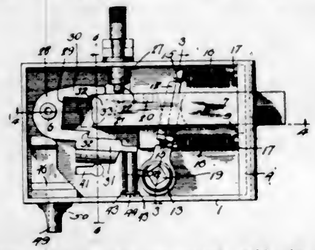
1,465,289. RAILROAD TIE. SIDNEY S. SMITH, Corinna, Me. Filed July 7, 1922. Serial No. 573,395. 2 Claims. (Cl. 238—375.)



1. A rail support including a concrete tie having a vertical recess extending therethrough, one of the walls of said recess being substantially coincident with the edge of the rail flange, said wall having a cut-under portion, a retaining spike having its head overlapping said flange and having a lateral projection engaging said cut-under portion and having a ledge or shoulder formed at its lower end, a keeper for said spike between the same and the rear wall of said recess, said keeper having inclined surfaces for forcing it into contact with said spike, the lower end of said keeper contacting with said shoulder.

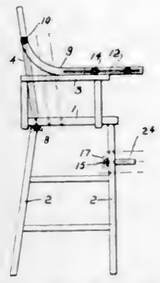
1,465,290. LOCK. LOUIS VERDY, Bicknell, Ind. Filed May 23, 1921. Serial No. 471,542. 3 Claims. (Cl. 70—14.)

3. In a lock, the combination of a case, a bolt mounted for movement in the case and having a plurality of openings in one side, and a detent pin mounted for movement in the case to engage in either of said openings, and



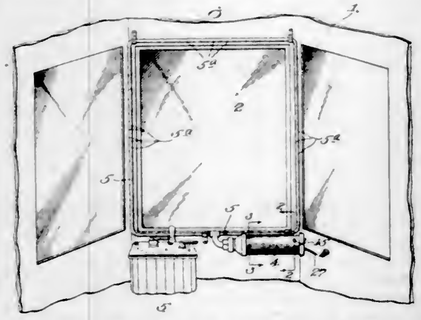
also mounted for turning movement, said pin and case having coacting means to hold the pin in disengaged position when said pin is turned in one position.

1,465,291. ADJUSTABLE HIGH CHAIR. CHARLES J. WALKER, Gary, Ind. Filed July 28, 1919. Serial No. 313,890. 5 Claims. (Cl. 155—158.)



1. In a high-chair, a seat, stationary parallel arms at the sides of and above the seat, each arm having a series of notches at the inner edge, each notch lying opposite the corresponding notch in the other arm, a series of holes in the seat corresponding in number to the notches in one of the arms and spaced in the same way as the notches in the arms, a removable back adapted to extend between said arms and project at its edges into any pair of opposed notches, and a pair on the lower edge of the back adapted to project to the hole in the seat corresponding to the pair of notches in which the back is engaged.

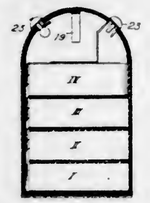
1,465,292. WINDOW-CLEARING APPARATUS. AUGUST WESSIG, Chicago, Ill. Filed Dec. 24, 1920. Serial No. 432,935. 4 Claims. (Cl. 219—39.)



1. In an apparatus of the class described, the combination of a casing affording a heating compartment and a motor compartment, a heating element in the former

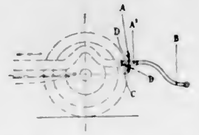
and an air compressing device in the latter, means operable by thermic and pressure conditions in the heating compartment for controlling energization of the heating element and compressing device, and a conduit for conducting air from the heating compartment.

1,465,293. ELECTRIC LAMP. EUGEN ALBER, Basel, Switzerland. Filed Dec. 10, 1919. Serial No. 343,870. 1 Claim. (Cl. 240—8.5.)



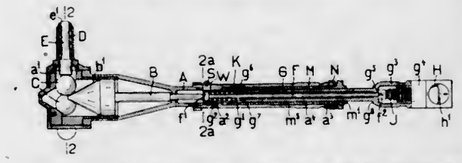
In a pocket electric battery lamp, a pocket case having a lower part of substantially rectangular cross section and a top part of substantially semi-circular form, a block battery constituting a normally used current supplying main battery, located within said lower case part, an electric glow lamp body placed in said top part of the case and arranged to be normally supplied with current from the block battery at the voltage for which the glow lamp is constructed, an additional current supplying element combined with said block battery and switching means to connect said additional element in series with the block battery and the glow lamp body, so as to cause the lamp to be temporarily over-run, substantially as described.

1,465,294. COUPLING DEVICE FOR VEHICLES. MARIUS JEAN BAPTISTE BARBAROU, Paris, France. Filed Sept. 29, 1921. Serial No. 504,138. 3 Claims. (Cl. 280—33.9.)



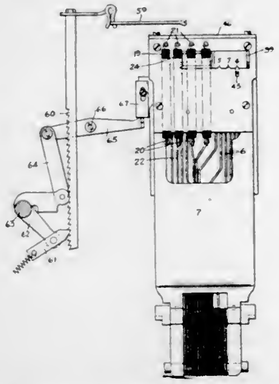
1. In combination with the rear bar of a vehicle, brackets fixed to said rear bar, a plate having a sleeve therein for receiving the draw-bar of a trailer, coil springs at each side of said plate, said springs being attached at one end to said plate and at the other end to said brackets, said bracket holding said plate and springs spaced from said rear bar, said springs being under tension to hold said plate against substantial movement due to the movements of said trailer, the forward movement of said plate being limited by said rear bar.

1,465,295. CALIPER GAUGE. MAX BARTHOLDY, Essen, Germany, assignor to Fried. Krupp Aktiengesellschaft, Essen-on-the-Ruhr, Germany. Filed Nov. 9, 1921. Serial No. 514,061. 6 Claims. (Cl. 33—178.)



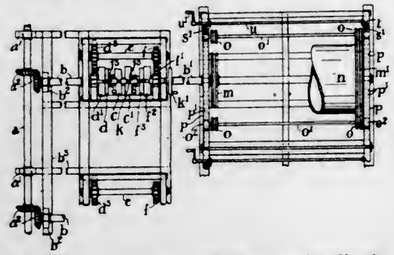
1. In a caliper gauge the combination of a gauge body, a casing, said casing being slidable relatively to said gauge body, an indicator on said casing, a member operating the indicator and slidable relatively to said casing, a spring interposed between said casing and said member, and a stop engageable by said casing for the purpose described.

1,465,296. TYPOGRAPHIC COMPOSING MACHINE. JOSEPH BOURDAS SMITH BOOTH, Sidcup, England, assignor to Lanston Monotype Machine Company, Philadelphia, Pa., a Corporation of Virginia. Filed Apr. 26, 1922. Serial No. 556,754. 7 Claims. (Cl. 164—112.)



1. A typographic composing machine having incorporated therein devices for producing signals indicating "position," "dimension," and a "transfer" components, together with a plurality of units admeasuring devices, and in combination therewith a manually controlled coupling mechanism movable into positions to connect the transfer component signal producing device with one or the other of selected units admeasuring devices to operate the latter.

1,465,297. MACHINE FOR MAKING STRUCTURES CENTRIFUGALLY. HARRY CONRADI, Toorak, Victoria, Australia. Filed Jan. 3, 1923. Serial No. 610,418. 6 Claims. (Cl. 25—30.)

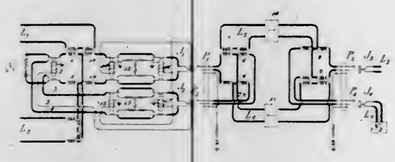


1. For the manufacture centrifugally of bodies by the use of plastic material, a machine having a mould, frictional driving wheels to rotate and support the mould and having their centres vertically below the mould axis, and guard rollers at the sides of the mould, the guard roller centres and the mould axis being in a horizontal plane, the guard rollers being adjustable.

1,465,298. CORD-CIRCUIT REPEATER FOR USE BETWEEN FOUR-WIRE AND TWO-WIRE CIRCUITS. GEORGE CRISSON, Hackensack, N. J., and ARTHUR F. ROSE, West Brighton, N. Y., assignors to American Telephone and Telegraph Company, a Corporation of New York. Filed Apr. 15, 1921. Serial No. 461,643. 5 Claims. (Cl. 179—171.)

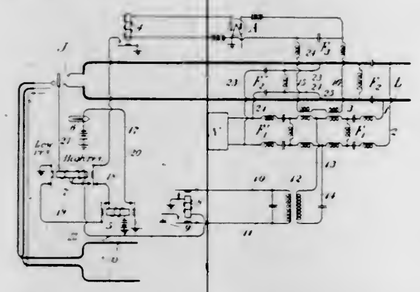
1. A four-wire circuit including two one-way lines for transmission in opposite directions terminating at a

station in a hybrid coil, a line jack and a network jack at said station, two of the terminals of windings of said hybrid coil being connected to said line jack and two of the terminals of said windings being connected to a balancing network, a repeater coil circuit at said station including a line plug and a network plug and a hybrid coil, two of the terminals of windings of said hybrid coil be-



ing connected to said line plug and two of the terminals of said windings being connected to said network plug, and means in said four-wire circuit operative when said line plug and network plug are inserted in said line jack and network jack respectively whereby two of the terminals of windings of said first mentioned hybrid coil may be disconnected from said balancing network normally connected thereto and may be connected to said network jack.

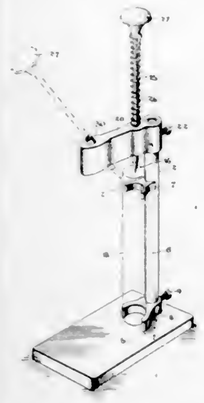
1,465,299. LOW-FREQUENCY ALTERNATING-CURRENT SIGNALING SYSTEM. LLOYD ESPENSCHIED, Hollis, and JOHN F. TOOMEY, New York, N. Y., assignors to American Telephone and Telegraph Company, a Corporation of New York. Filed Sept. 27, 1919. Serial No. 326,939. 4 Claims. (Cl. 179—4.)



1. A transmission line upon which is superimposed a low frequency carrier current and a high frequency carrier current, a terminal station for said line, a filter in said line at said terminal station adapted to readily allow the transmission of said high frequency current and to attenuate and practically extinguish said low frequency current, a circuit tuned to be resonant to said low frequency current bridged across said transmission line on the incoming side of said filter, a network adapted to balance a section of said transmission line included in said tuned circuit, a second circuit, a three winding transformed inductively relating said second circuit to said last mentioned tuned circuit, a signaling means controlled by said last mentioned circuit, and means associated with said transmission line at said terminal station whereby low frequency current may be applied to the mid-points of the primary windings of said three winding transformer.

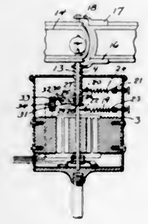
1,465,300. DYNAMITE PUNCH. RALPH MUNROE FUZZARD, Miami, Fla. Filed Sept. 30, 1922. Serial No. 591,590. 4 Claims. (Cl. 86—21.)

1. A punch for dynamite sticks comprising a base, a standard mounted on said base, upper and lower brackets connected to said standard and having recesses adapted to partially receive a stick of dynamite, an overhanging head extending laterally from said standard, and a plunger



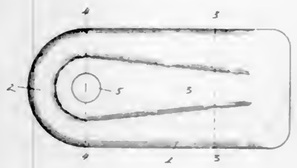
slidable through said head and having a pointed end to engage the stick of dynamite whereby to form a hole therein.

1,465,301. AUTOMOBILE SIGNAL. THOMAS GROVES, St. Louis, Mo. Filed Aug. 13, 1919. Serial No. 317,321. 3 Claims. (Cl. 177—327.)



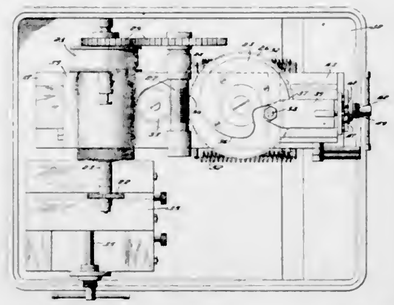
1. In an automobile signal, a casing to carry the signal elements; a shaft journaled vertically through the center of the casing and extended upwardly; a sleeve journaled in the top of the casing around the base of the shaft; an arrow head horizontally joined to the end of the shaft; an arrow tail similarly joined to the sleeve; and springs for normally holding the arrow head and tail in alignment.

1,465,302. WEDGE. FRED HASKEL, Detroit, Mich. Filed June 18, 1921. Serial No. 478,622. 5 Claims. (Cl. 292—348.)



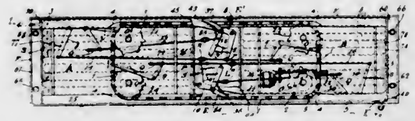
4. A wedge formed from a flat blank comprising curved side portions with bearing surfaces in substantially the same plane, and a flat intermediate depressed portion having a bearing surface disposed in a diverging plane.

1,465,303. MILLING MACHINE. CHARLES F. HENRY, Belvidere, Ill. Filed Sept. 10, 1921. Serial No. 499,606. 8 Claims. (Cl. 90—15.)



1. In a milling machine, the combination of a work-supporting table, a reciprocable tool carriage, a cutter spindle journaled on said carriage, a rotary cam mounted on the carriage, a member engaging the cam and supported in connection with a stationary part of the machine, and means for revolving the cam, the cam being shaped to impart feed movement to the carriage.

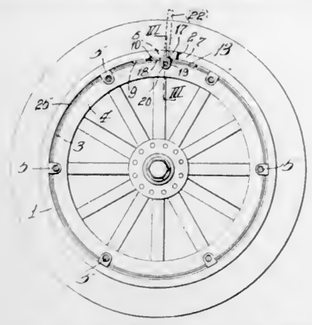
1,465,304. ONE-STORY MOVING-DISPLAY ADVERTISING MACHINE. ROBERT EMMETT HINCHEY, Aurora, Mo. Filed Aug. 10, 1922. Serial No. 581,010. 4 Claims. (Cl. 40—36.)



1. The combination in a one-story, two-section, moving-display advertising machine, of a framework supporting an endless-pathway secured thereto, comprising a front and rear horizontal card-displaying portion and two oppositely disposed sections constituting in themselves, two transverse portions with a narrow space therebetween and additional spaces arranged at opposite outmost ends thereof; a series of card-display carrying-frames supported in said transverse sections to form first and second sets; an endless-chain device passed about one sprocket-wheel mounted on a gear-shaft having a gear, and three similar guide-wheels spaced apart in determinate positions; means to continuously rotate the shaft, a gear having operative connection between said shaft and the driving power; a single stiff-pin mounted in said endless-chain, adapted to the several tasks of transferring the frames from one set to the other and vice versa, of actuating the means to move said frames in the transverse sections or portions, and to place them in position to be transferred, angle-levers and elbow-levers oppositely positioned having arms disposed in timing distances in the transverse path of said actuating means—the first, to place the moving individual endmost-frames exactly in alignment to be delivered out of the horizontal into the transverse portion of said endless-pathway—the second, to receive said last frames and to effect intermittent bodily movement of all the frames in the transverse portions while said shaft is turning, substantially as described.

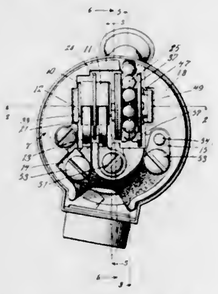
1,465,305. COMBINED CONTRACTOR AND EXPANDER FOR AUTOMOBILE TIRE RIMS. ALBERT C. HOECKER, Collinsville, Ill., assignor, by mesne assignments, to Garnet Forney. Filed Sept. 13, 1919. Serial No. 323,476. 3 Claims. (Cl. 301—34.)

1. A tire rim being split so as to provide ends thereto which are adapted to overlap, a link pivotally connected to each of said ends of said rim, and a radially projecting offset portion extending from said link adjacent one of the



pivots thereof having a flat sided opening formed therein for the reception of an operating tool.

1,465,306. ELECTRICAL SWITCH. CHARLES L. HOPKINS, River Forest, Ill., assignor to Benjamin Electric Manufacturing Company, Chicago, Ill., a Corporation of Illinois. Filed Sept. 25, 1919. Serial No. 326,115. 5 Claims. (Cl. 173—354.)



1. A switch mechanism comprising a pair of contact fingers insulated from each other in the "off" position of the switch and located side by side; and means for establishing electrical connection between said contact fingers comprising a rotatable contact carrier; two contacts carried by said carrier and located side by side and movable into and out of engagement with said pair of contact fingers respectively; and a switch frame of conducting material for supporting said carrier, both of said contacts being electrically connected to said switch frame.

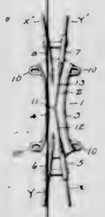
1,465,307. REENFORCED-CONCRETE BEAM. RICHARD C. KEOGAN, South Bend, Ind. Filed Nov. 29, 1920. Serial No. 427,130. 1 Claim. (Cl. 72—61.)



An elongated reenforced concrete beam adapted to be fabricated and hoisted to position, said beam comprising horizontally disposed spaced reinforcing bars, said bars being imbedded in a concrete body adjacent the bottom thereof, spaced reinforcing bars imbedded in the concrete body adjacent the upper side thereof and disposed in registering vertical planes with the first mentioned bars, said bars adjacent the upper side of the concrete body extending downwardly and outwardly from a central point,

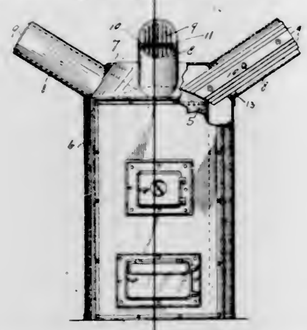
a member wound around all of said bars, said member comprising a plurality of straight portions, said straight portions connecting the bars together at angles other than right angles.

1,465,308. SWITCH AND OVERHEAD SYSTEM. SAMUEL S. MATTHES, Mansfield, Ohio, assignor to The Ohio Brass Company, Mansfield, Ohio, a Corporation of New Jersey. Filed Aug. 2, 1922. Serial No. 579,154. 11 Claims. (Cl. 191—36.)



1. A trolley switch comprising a body member, two pairs of arms secured to the body member with one arm of each pair oppositely disposed and in line with the other arm of the pair, for guiding a current collector from a trolley wire onto the body member and vice versa and resilient guide members having one end secured to one of the arms of each pair and having their free ends movable laterally in one direction only.

1,465,309. HEAT ACCELERATOR FOR HOT-AIR FURNACES. HARRY W. NEAL, Indianapolis, Ind., assignor of one-half to Hall-Neal Furnace Company, Indianapolis, Ind., a Corporation of Indiana. Filed Feb. 5, 1923. Serial No. 616,907. 6 Claims. (Cl. 126—118.)

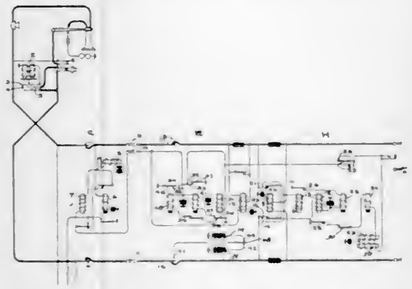


1. In combination with a hot-air furnace having a radiating chamber in communication with the fire-pot, means comprising a plurality of straight parallel sections retained in a unit of varying width widest toward the middle plate with air-spaces between the sections, the ends of said sections conforming approximately with the shape of the walls of the chamber and contacting therewith.

1,465,310. PROCESS FOR THE FIXATION OF ATMOSPHERIC NITROGEN. WILBUR A. NELSON, Nashville, Tenn. Filed Nov. 16, 1922. Serial No. 601,291. 7 Claims. (Cl. 23—21.)

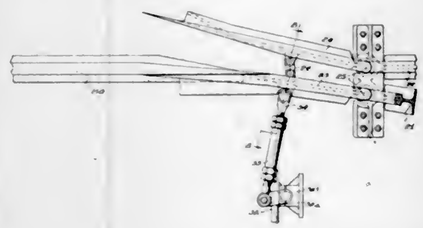
1. The herein described process which consists of heating a mass of clay and carbon, passing a current of moist air in contact therewith thereby forming ammonia and condensing the water vapor which absorbs the ammonia whereby ammonium hydroxide is recovered.

1,465,311. MEASURED-SERVICE TELEPHONE SYSTEM. WILLIAM WALTER OWEN, Oak Park, Ill., assignor to Automatic Electric Company, Chicago, Ill., a Corporation of Illinois. Filed June 14, 1919, Serial No. 304,246. Renewed Mar. 30, 1923. 13 Claims. (Cl. 179—6.3.)



1. In a telephone system, a line, a coin collector for said line in which a coin is deposited before a call and having means for collecting or refunding a deposited coin, a pair of automatic switches, one automatic switch for extending a talking circuit from said line to the other automatic switch, a pair of line relays for said other switch, one connected between one side of the talking circuit and battery and the other between the other side of the talking circuit and ground, means controlled by the first relay for controlling the operation of said other automatic switch to further extend the connection, means controlled by the other relay for controlling the release of said first automatic switch, and means individual to said second automatic switch controlled by said other relay over a portion of the release circuit of the first switch for controlling the operation of said first mentioned means to collect or refund the coin.

1,465,312. RAILWAY SWITCHOVER. ERLING OYEN, Detroit, Mich., assignor to Detroit Elevated Corporation, Detroit, Mich., a Corporation of Michigan. Filed Jan. 13, 1922. Serial No. 528,898. 9 Claims. (Cl. 104—121.)



1. In a railway switch mechanism, in combination, stationary traction rail sections, interposed switch-over rail sections movable horizontally to make or break the gap between the stationary rail sections, stationary overhead guiding rail sections, interposed switch-over rail sections movable vertically to make or break the gap between the stationary guiding rail section.

1,465,313. TIRE COVER. CARL E. G. PALMEN, Los Angeles, Calif. Filed Jan. 24, 1921. Serial No. 439,657. 3 Claims. (Cl. 150—54.)

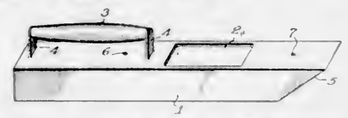
1. A tire cover having a central strip of material for covering the tread of a tire, side walls attached to said central portion and extended inwardly to circles adjacent

the exterior side edges of a tire rim, a flap formed on the inner periphery of each of said side walls, said flaps be-



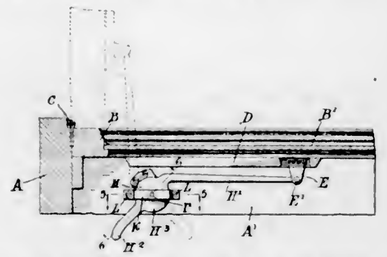
ing doubled back to form a seam, and a metal band held in said seam, the edges of said flaps overlapping the exterior side edges of the rim.

1,465,314. TESTING INSTRUMENT. JOHN B. PATTON, Plainfield, N. J. Filed Sept. 30, 1922. Serial No. 591,497. 6 Claims. (Cl. 23—3.)



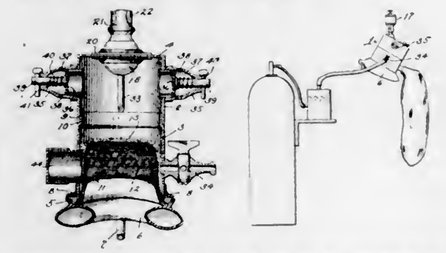
1. An instrument of the character described comprising a receptacle having a mouth in one side thereof intermediate the ends, and a contents-measuring orifice in said side between said mouth and one of the ends, whereby the receptacle may be filled when said side is in a substantially horizontal position and its contents measured when said side is in a substantially vertical position.

1,465,315. CASEMENT ADJUSTER FOR SWINGING SASHES OR SHUTTERS. CHRISTOPHER V. RAICEVICH, New Orleans, La. Filed July 26, 1922. Serial No. 577,575. 2 Claims. (Cl. 292—274.)



1. An attachment for adjusting swinging sashes, shutters or the like in the desired position comprising a hollow guide rail secured to the swinging sash, a pivot block slidably connected to said guide rail said pivot block including a body portion and a detachable head made of a strip of resilient bent metal adapted to engage in said track rail, a segmental rack secured to the window or door frame and provided with a central pivot, an operating bar having one end pivoted to the body portion of said pivot block and the other end terminating in a handle, the said operating bar being pivoted above said rack, and a pawl pivoted to said handle and normally engaging said rack, but adapted to be withdrawn from such engagement when said handle is gripped by the operator.

1,465,316. COMBINATION INHALER. RAY A. RICE, Columbus, Ohio. Filed Dec. 17, 1919. Serial No. 345,606. 1 Claim. (Cl. 128—195.)

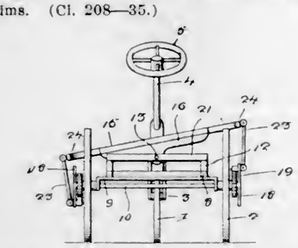


An inhaler comprising a casing formed to embody upper and lower sections, a crown of foraminated material rigidly positioned within said lower section and capable of receiving an anesthetic absorbing fabric, valve means connected with said lower section and capable of supplying the latter with a suitable quantity of etherized oxygen, a connection cooperative with said lower section to receive an inflatable re-breathing receptacle, and a plurality of expiratory valves carried in the upper section of said casing.

1,465,317. COLORED ARTIFICIAL ASPHALTUM. DOMINGO SANGUINETTI, Buenos Aires, Argentina. Filed Feb. 16, 1921. Serial No. 445,375. 4 Claims. (Cl. 106—23.)

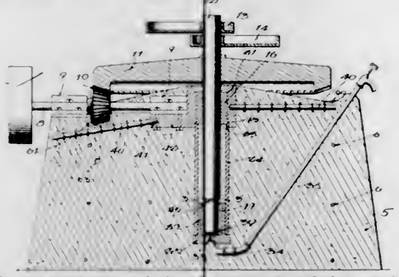
4. The process of making a new industrial product, comprising melting 18 kgs. of india rubber, and adding thereto 12 kgs. of resin, a sufficient quantity of a rubber-dissolving organic solvent to dissolve the resin and india rubber, and 100 kgs. of powdered colouring material, substantially as set forth.

1,465,318. VEHICLE. EDWARD JAMES SCHRAMKE, Saginaw, Mich. Filed July 12, 1922. Serial No. 574,501. 2 Claims. (Cl. 208—35.)



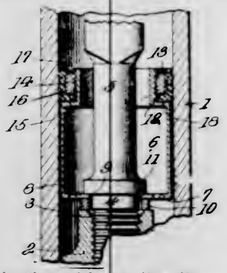
1. In a toy vehicle, a steering wheel and propelling wheels, a steering post having a forked end in which the steering wheel is journaled, a column for the post and an operating wheel for the post, downwardly inclined brackets secured to the column and to each other, a frame member on the lower bracket, a shaft for the drive wheels, bearings on the frame member for the shaft, a cleat supported on the frame member, a shaft centrally secured to the cleat and one of the brackets, a platform having a bolster on its rear end receiving the last mentioned shaft therethrough and having a bracket on its forward end also receiving the shaft therethrough, cranks on the propelling wheel shaft, links connected with the crank, and arms having offset ends secured to the sides of the platform and connected to the links, as and for the purpose set forth.

1,465,319. PUMPING POWER. ELGAN SAMUEL SLOAN, Shippenville, Pa. Filed May 3, 1922. Serial No. 558,323. 8 Claims. (Cl. 74—14.)



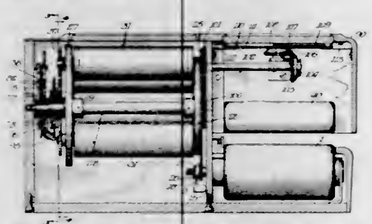
1. An apparatus of the character specified comprising a bed, upper and lower bearings arranged in the bed, frames receiving said bearings and embedded in said bed, a main shaft extending into the bed and terminating adjacent the bottom of the same, the upper end of the main shaft being extended above the top of the bed, power transmitting devices arranged on the upper end of said main shaft, a tubular member surrounding said main shaft and having connection with said upper and lower frames and constituting a lubricant-receiving reservoir, a pump connected to the lower frame for withdrawing the oil from the oil reservoir, and thrust plates arranged between the lower end of said main shaft and the lower frame and having oil passages establishing communication between the oil reservoir and said pump.

1,465,320. RIVET CATCHER FOR OIL-WELL PUMPS. PATTERSON T. SPRUILL, Valentine, Tex. Filed Nov. 9, 1921. Serial No. 514,028. 5 Claims. (Cl. 103—202.)



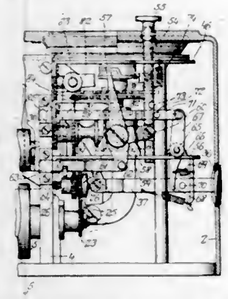
1. The combination with an oil well pump piston, of a catcher secured thereon by the connection of the polish rod to the pump piston and having a packing adapted to engage the walls of the pump cylinder.

1,465,321. CONTINUOUS FABRIC-MEASURING MACHINE. DOUGLAS TURNER, St. Louis, Mo., assignor to The Measuregraph Company, St. Louis, Mo., a Corporation of Delaware. Filed July 22, 1919. Serial No. 312,634. 8 Claims. (Cl. 33—133.)



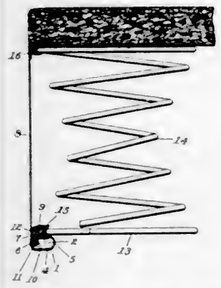
1. Fabric measuring mechanism comprising length indicating means visible to the operator in its entirety, separate price indicating means, a measuring roll, driving gearing connecting the measuring roll to each of said indicating means, both of said indicating means being devoid of stops so that they are movable continuously through successive cycles of operation, and means for engaging a part of the driving gearing for simultaneously restoring the same to zero position.

1,465,322. FABRIC-MEASURING MACHINE. DOUGLAS TURNER, St. Louis, Mo., assignor to The Measuregraph Company, St. Louis, Mo., a Corporation of Delaware. Filed Dec. 11, 1919. Serial No. 344,006. 5 Claims. (Cl. 33—130.)



1. In a fabric measuring machine, a measuring roll, a relatively movable hand and scale for indicating lengths, means connecting one of said parts with said measuring roll, and means for moving said scale to modify said length reading a predetermined amount.

1,465,323. UPHOLSTERED SPRING STRUCTURE. DESIRE H. VAN HOVE, Jackson, Mich., assignor to Reynolds Spring Company, Jackson, Mich. Filed Dec. 7, 1922. Serial No. 605,489. 5 Claims. (Cl. 155—180.)



1. In a spring structure, a base frame comprising a main approximately U-shaped strip having spaced upper and lower sides and an inner connecting portion and provided at the outer edges of the sides with projecting flanges, the flange of the lower side being adapted to be bent towards the upper side to close the space between the said sides to confine a flexible covering therein, and a reversely arranged auxiliary clamping strip interlocked with the main strip and having an exterior flange adapted to be compressed around the upper and inner faces of the lower end coils of the marginal springs of a spring structure to secure the marginal springs upon the main strip.

1,465,324. TIE PLATE. RICHARD H. WILKE, Wisconsin Rapids, Wis. Filed Jan. 24, 1923. Serial No. 614,566. 2 Claims. (Cl. 238—305.)

1. A tie plate including a rectangular plate having a rail seat on its upper surace embodying a central longitudinal raised portion and downwardly inclined surfaces at the sides of the raised portion, and integral inwardly projecting ears upon diagonal corner portions of said

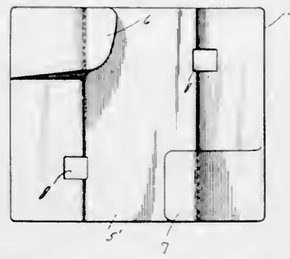
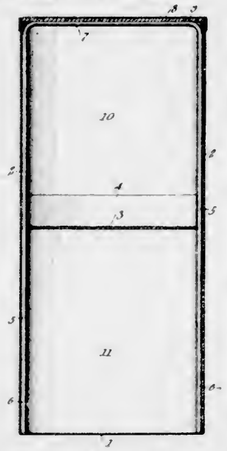


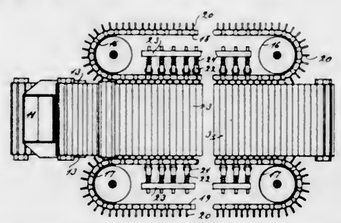
plate and overlying said inclined surfaces to engage the base flanges of a rail, the under surfaces of said ears being downwardly inclined.

1,465,325. FLOUR SIFTER. ALEXANDER S. WOOLSTENCROFT, Fulda, Minn. Filed July 22, 1922. Serial No. 576,776. 6 Claims. (Cl. 83—60.)



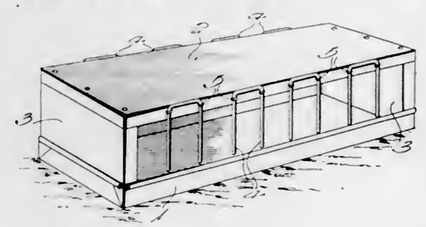
1. A flour sifter, comprising a receptacle having a closed bottom and an open top, a cover for closing the receptacle, a screen, and a support for said screen coextensive with the height of said receptacle and cooperating with the bottom and cover of the receptacle to maintain the screen in adjusted relation within the receptacle.

1,465,326. MACHINE FOR THE MANUFACTURING OF SWEETMEATS. PAUL ZIMMER, Wurzburg, Germany. Filed Aug. 4, 1922. Serial No. 579,585. 2 Claims. (Cl. 107—8.)



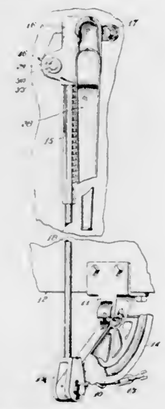
2. An improved machine for manufacturing sweetmeats directly from the liquid mass, comprising in combination two endless chains composed of hingedly connected moulding plates designed to form closed moulds, rotatable drums of octagonal cross section over which said drums are guided and which are arranged so that the endless chains diverge at the front end of the machine at a convenient angle, a feeding funnel for the liquid material arranged between the diverging parts of the endless chains at the front end of the machine to fill the moulding plates with material, side plates projecting from said funnel at either side of the endless chains, means at the rear end of the machine for removing the solidified sweetmeats from the moulding plates, two endless chains one at either side of the endless mould chains, holding clamps projecting from the links of said endless chains designed to grip the corresponding mould plates and to maintain them tightly closed for the greatest part of the travel, and spring controlled pressure rollers acting upon the inner side of the endless clamp chains to maintain the same at stretched state.

1,465,327. CHICKEN FEEDER. GEORGE H. ALLEN, Clinton, N. Y. Filed Aug. 23, 1922. Serial No. 583,744. 2 Claims. (Cl. 119—61.)



1. A chicken feeder comprising a pan open at its upper end, a cover of the same length and width as said pan positioned above the pan and having depending end walls fitting snugly into the end portions of said pan and held therein by frictional engagement with the walls of the pan and vertically disposed guards extending between the sides of the cover and upper edges of the side walls of said pan.

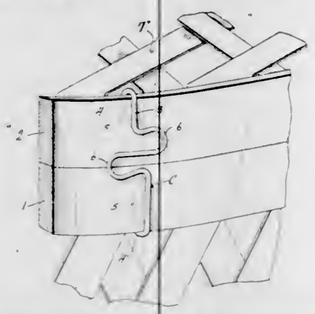
1,465,328. HOLDING DEVICE FOR CAR-BRAKE MECHANISM. HARLEY E. ANDERSON, Chicago, Ill., assignor, by mesne assignments, to American Hand Brake Company, a Corporation of Illinois. Filed May 1, 1922. Serial No. 557,706. 12 Claims. (Cl. 74—119.)



1. In apparatus of the character described, the combination of a frame work, a rack movable longitudinally with respect to the frame work, a shaft revolubly

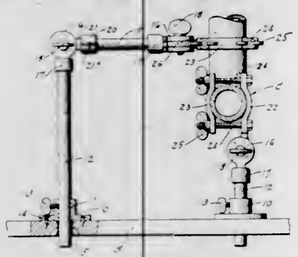
mounted adjacent to said rack, and a detent slidably mounted on said shaft from one side thereof and adapted to be swung thereby into and out of engagement with the teeth of said rack.

1,465,329. CLAMP. EARL H. ARBUTHNOT, Flora, Ill. Filed June 28, 1922. Serial No. 571,445. 6 Claims. (Cl. 217—124.)



1. A basket clamp comprising an elongated member of bendable material having inwardly facing hooks at its opposite ends, said hooks being laterally disposed with respect to the elongated member and positioned at the same side thereof, said member being provided with means whereby the hooks can be drawn one toward the other through the medium of applied pressure, said means comprising a lateral extension of the member, said extension having spaced side arms.

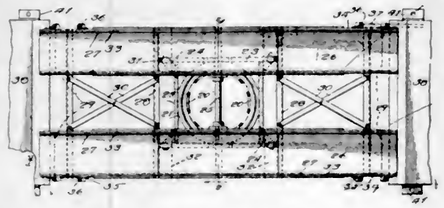
1,465,330. PLUMBER'S CLAMP. MAX ARDNER, Lock Haven, Pa. Filed Dec. 28, 1921. Serial No. 525,488. 2 Claims. (Cl. 113—102.)



1. In a plumber's clamp for use in joint wiping operations, a base adapted for mounting upon a suitable support, a member longitudinally and rotatably adjustable through the base and provided with a head forming one piece of a two-piece swivel clamp, an arm and a pipe clamp each provided with an extension forming the other piece of said swivel clamp and adapted for interchangeable engagement with said head, and a head similar to the first-named head at one end of said arm, said arm being rotatable in the extension thereof and means for locking the arm against rotation.

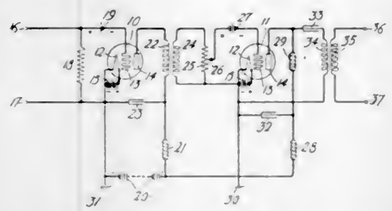
1,465,331. SELF-BALANCED TURNTABLE. FRANKLIN E. ARNDT, Galion, Ohio, assignor to The Galion Iron Works & Mfg. Co., Galion, Ohio, a Corporation of Ohio. Filed May 14, 1923. Serial No. 638,895. 9 Claims. (Cl. 104—44.)

2. A turntable including a base, an annular track operatively supported upon the base, a bed piece coacting with the track, there being anti-friction bearings between the track and the bed piece, a platform tiltably mounted upon the bed piece, and a pair of springs mounted upon the bed piece and disposed on each side of the tilting axis



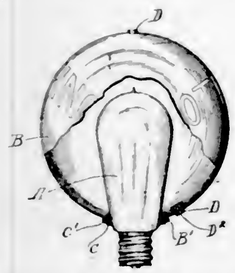
of the platform and normally supporting the platform in a horizontal position but permitting the tilting of the platform under an unevenly disposed load.

1,465,332. VACUUM-TUBE AMPLIFIER. HAROLD DE FOREST ARNOLD, Maplewood, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y., a Corporation of New York. Original application filed Sept. 3, 1915, Serial No. 48,873. Divided and application filed Mar. 28, 1919, Serial No. 285,857. Divided and this application filed Aug. 28, 1920. Serial No. 406,695. 11 Claims. (Cl. 179—171.)



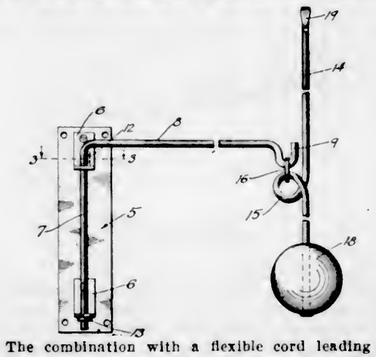
1. In combination, a plurality of vacuum tube repeaters, a common source of space current for said repeaters, the circuit between one of said repeaters and said source comprising series inductance, and a path comprising capacity bridged across said circuit between said source and said repeater.

1,465,333. FLEXIBLE SHADE FOR ELECTRIC LAMPS. FRANK M. ASHLEY, New York, N. Y. Filed Nov. 8, 1920. Serial No. 422,489. 5 Claims. (Cl. 240—108.)



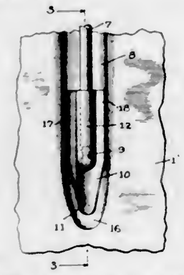
5. A flexible shade comprising an envelope supported by a bulb and having an opening in the envelope, gas being interposed between the envelope and bulb, a ring adapted to rest on the lower part of the bulb, the circumference of the opening in the upper part of the ring being greater than the circumference of the lower part thereof whereby the ring may be wedged on the bulb when the shade is inflated and means connecting the shade and the ring.

1,465,334. CORD CONTROL. GEORGE L. BANKS and MARY R. BANKS, Los Angeles, Calif. Filed Jan. 18, 1921. Serial No. 438,196. 2 Claims. (Cl. 68—27.)



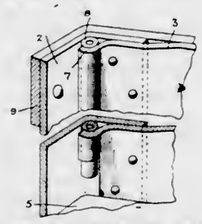
1. The combination with a flexible cord leading to a movable member, of a rod slidably sustaining the cord and having a loop formed therein, a ring engaging said loop portion, and a supporting rod adapted to engage said ring.

1,465,335. FREEZING CAN. ANSON J. BENTLEY, Niles, Ohio. Filed Aug. 24, 1920. Serial No. 405,693. 4 Claims. (Cl. 62—159.)



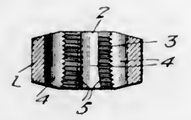
1. A freezing can for use in the manufacture of ice having one wall inwardly grooved from the top of the can substantially to the bottom thereof, the inner wall of said groove being perforated near its lower end, an air tube located and fastened securely in said groove and extending from the upper edge of the can to a point adjacent the perforation in the groove, and a fixture forming a fluid tight connection between the tube and the interior of the can fitting said groove and provided with a longitudinal recess in its inner side which cooperates with the groove bottom to receive the end of the tube adjacent the perforation.

1,465,336. FREEZING CAN. ANSON J. BENTLEY, Niles, Ohio. Filed Dec. 27, 1920. Serial No. 433,164. 7 Claims. (Cl. 62—159.)



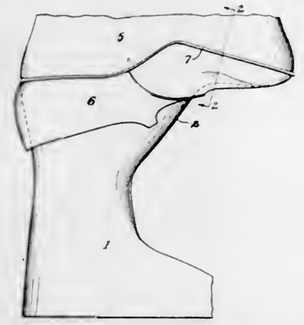
1. A freezing can for use in the manufacture of ice comprising, in combination, sheet metal side members each constituting the complete side wall of the can for a substantial portion of its periphery, said side members being overlapped and connected along a vertical seam and formed adjacent said seam to present between the inner face of the outer overlapping portion and the outer face of the inner overlapping portion a vertical channel and a tube within said channel arranged to conduct air to a point near the bottom of the can.

1,465,337. DIE NUT. ORLANDO BINFORD, Citronelle, Ala. Filed July 6, 1918. Serial No. 243,586. 1 Claim. (Cl. 10—118.)



A rethreader die of the class described comprising a body having a central opening therein and cutting edges provided therefor, the front and rear faces of said die being beveled from the opening to the outer edges thereof, to permit said die to be threaded on a bolt, the front portion of the central opening being of conical shape to facilitate the placing of the die on the end of a bolt, the die being of substantially the same shape as the nut to permit access thereto, said die being used on bolts which are located in positions difficult of access with the usual form of dies.

1,465,338. LAST FOR USE IN FORMING AND LEVELING SOLES. JOHN C. BOYD, St. Louis, Mo. Filed Nov. 22, 1920. Serial No. 425,632. 3 Claims. (Cl. 12—133.)

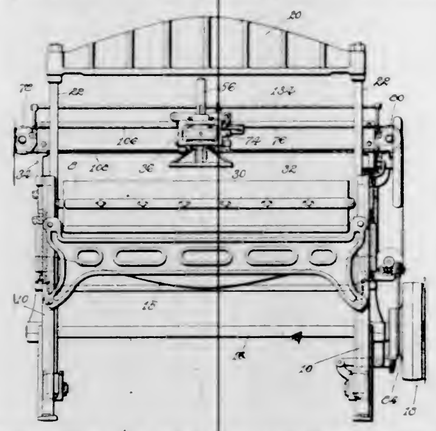


1. A last for use in leveling and shaping the soles of shoes, having a tread provided with a shallow depression extending longitudinally of the last substantially from end to end thereof, and affording a smooth flat marginal portion entirely surrounding said depression, the surface of the depression and the surface of said marginal portion merging into each other in a manner to provide a substantially continuous tread surface free from an appreciable line or area demarking the conjunction of the surfaces.

1,465,339. PRESS. WILLIAM J. BRENNAN, Swampscott, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J., a Corporation of New Jersey. Filed June 13, 1919. Serial No. 304,003. 37 Claims. (Cl. 164—23.)

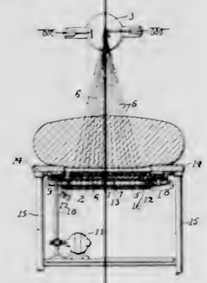
1. In a machine of the class described, a freely movable die adapted to be positioned on material to be cut, a work supporting bed, means at the rear of and in a plane above the bed providing a support, a presser mem-

ber movably supported upon said support and projecting forwardly therefrom to overhang the bed, and means



independent of the first-mentioned means for actuating the presser member toward and from the die wherever located on the work supporting bed.

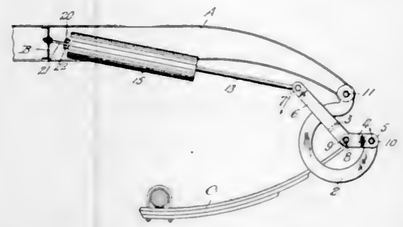
1,465,340. APPARATUS FOR REDUCING SECONDARY RADIATION FROM RÖNTGEN RAYS. ARTHUR W. BUCK, St. Louis, Mo. Filed Nov. 22, 1920. Serial No. 425,783. 5 Claims. (Cl. 250—34.)



1. In an apparatus of the class described, a supporting table having an opening in its top, a sensitized body arranged below said opening, an X-ray tube positioned above the said opening for the projection of its rays therethrough and onto said sensitized body, a diaphragm of flat disk form, a supporting means carried by the under side of the table, antifriction rollers carried by said supporting means and arranged to support said diaphragm in position thereon and below the said opening, means carried by said supporting means for supporting said sensitized body in position below said diaphragm, and power operated means for rotating said diaphragm.

1,465,341. SHOCK ABSORBER. SYDNEY BURGESS and WALTER J. BURGESS, Hamilton, Ontario, Canada. Filed Sept. 18, 1922. Serial No. 589,024. 3 Claims. (Cl. 267—17.)

1. In a device of the class described, the combination with a vehicle frame and a road spring, of a rocker axially connected to the end of said spring and comprising twin arms extending normally in a horizontally disposed position connected by a cross member and a laterally offset arm inclined in the opposite direction forming together with the twin arms an obtusely angular body in elevation, substantially horseshoe shaped shackles linking the free ends of the twin arms with said frame, and means connecting the free end of the offset



arm to the frame at a point remote from the first mentioned frame connection, and tensioned to retard the axial movement of said rocker under varying load.

1,465,342. AUTOMATIC-EXHAUST-VALVE CONSTRUCTION. DONALD J. CAMPBELL, Muskegon Heights, Mich. Filed Feb. 28, 1921. Serial No. 448,720. 5 Claims. (Cl. 251—145.)

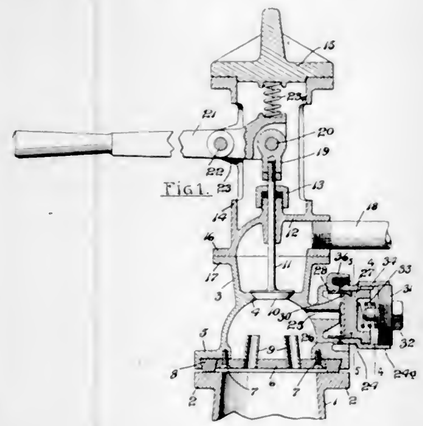


Fig. 1.

5. In a device of the character described, a casing adapted to receive air under pressure, said casing having an outlet passage at one side thereof and an interiorly bored projecting portion into which said outlet passage leads, said projecting portion having openings through its sides, a plug loosely mounted within said projecting portion, an expansible sleeve attached to the inner end of the plug, said sleeve having a plurality of openings registering the openings in said projecting portion when the plug is in its extreme inner position, spring means normally forcing the plug to said inner position, and means for adjusting the pressure of said spring means, substantially as described.

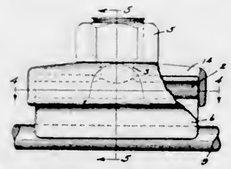
1,465,343. SHOE. ISAAC H. CASE, Northmoor, Mo. Filed Mar. 16, 1922. Serial No. 544,083. 1 Claim. (Cl. 36—51.)

A shoe comprising a vamp having a vertical portion on each side cut away, leaving the back of the vamp in its normal state with side spaces formed by the cut-away portions, elastics connected to the edges of the cut-away portions, the cut material in the vamp constituting rearwardly extending flaps, the free edges of which are adjacent to the front edges of the back portion of the vamp so that the flaps will cover the elastics, and a supple-



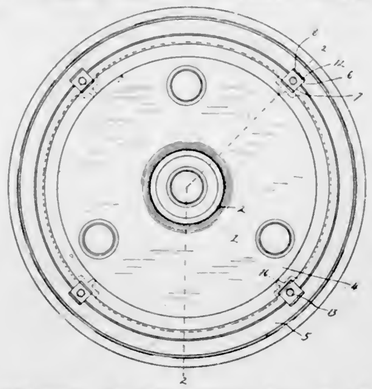
mental flap secured to one of the rearwardly extending flaps and having means for engagement with the free edge of the other flap.

1,465,344. CONDUCTOR SUPPORT. HOMER P. CHANDLER, Mansfield, Ohio, assignor to The Ohio Brass Company, Mansfield, Ohio, a Corporation of New Jersey. Filed June 12, 1922. Serial No. 567,531. 10 Claims. (Cl. 191—43.)



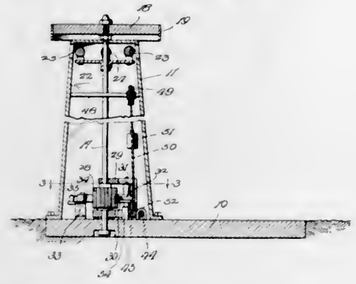
1. A conductor supporting device comprising in combination a pair of pivoted clamping jaws, a support for the jaws comprising a boss member having means for attachment to a hanger and an elongated pintle member projecting from opposite sides of the support parallel to the conductor, supporting means on the jaws to engage the pintle member and allow the jaws to pivot thereon and gripping means to clamp the conductor, a clamping member to engage the jaws and move them into engagement with the conductor and having means through which the pintle and boss may be passed and means on the supporting member and movable longitudinally thereof to engage the clamping member to move it into engagement with the jaws.

1,465,345. ATTACHMENT FOR VEHICLE WHEELS. JAMES H. CLARK, River Rouge, Mich. Filed Mar. 26, 1923. Serial No. 627,922. 14 Claims. (Cl. 295—10.)



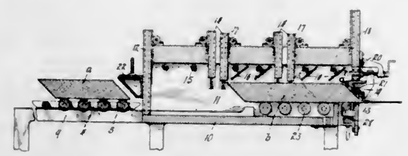
1. The combination with a vehicle wheel, of a flanged rim mounted on the rim of said wheel and adjustable transversely thereof, a key disposed between said flanged rim and the rim of said wheel for preventing relative rotation thereof, and means for expanding a portion of said key to detachably secure said flanged rim in adjusted position.

1,465,346. TRAFFIC SIGNAL. HARRY W. CHITTENDEN, Moorland, Iowa. Filed Aug. 26, 1922. Serial No. 584,545. 9 Claims. (Cl. 116—63.)



7. A traffic signal including a rotatable shaft, a signaling member carried thereby and provided with spaced clear and stop signals, a ratchet fixed to the shaft, a yoke swingingly mounted upon the shaft straddling the ratchet, a pawl mounted upon the yoke to coact with the ratchet, a cable connected to said yoke, a traffic actuated lever connected with the cable and operable for swinging said yoke to rotate the shaft and interchange the positions of said signals with respect to the traffic, means for retracting the yoke when swung, and a counterweight connected with said cable for maintaining the cable taut.

1,465,347. PROCESS OF AND APPARATUS FOR FORMING GLASS. ROBERT M. COEL, Maumee, Ohio, assignor, by mesne assignments, to Erie Glass Company, Toledo, Ohio, a Corporation of Delaware. Filed May 6, 1918. Serial No. 232,841. 44 Claims. (Cl. 49—87.)

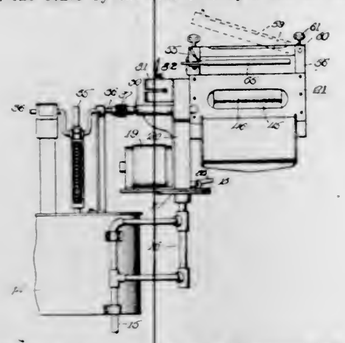


3. The process of manufacturing sheet glass comprising applying a melting heat to a localized portion of a set mass of glass to flow therefrom a sheet of lesser thickness than the mass, advancing the mass to compensate for the flow of glass therefrom and to maintain a substantially fixed relation between the source of heat and the surface of the mass to which the heat is applied, and successively removing predetermined quantities of glass from a supply of molten glass, permitting them to chill to set condition and successively attaching them to the rear end of the glass mass from which the sheet is flowing and thereby maintaining the continuity of the mass and the flow of the sheet therefrom.

1,465,348. POWER TRANSMITTING AND CONTROL MECHANISM. FERDINAND COX, Jackson, Mich. Filed Sept. 4, 1920. Serial No. 408,253. 1 Claim. (Cl. 68—32)

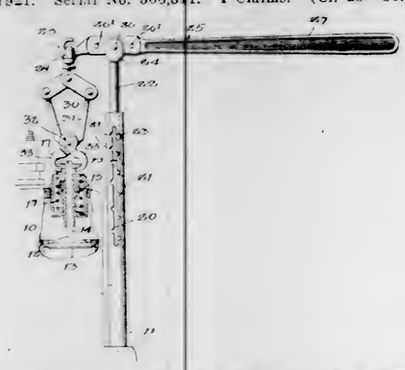
In combination with a motor; a frame; a pair of parallel rolls mounted therein; a bar pivoted at one end to the frame; a latch to hold the free end of the bar in position parallel with the rolls, a pair of side bars one

on each side of the frame to release the pivoted bar and an electric switch, one element carried by said pivoted bar and the other by the frame to open the electric cir-



cuit containing the motor when said pivoted bar is released from latched position and moved to its outward position.

1,465,349. VALVE-CAGE PULLER. JOHN L. CUNNINGHAM and MAURICE D. WHALEN, Cresco, Iowa; said Whalen assignor to said Cunningham. Filed Oct. 8, 1921. Serial No. 506,311. 4 Claims. (Cl. 29—86.3.)



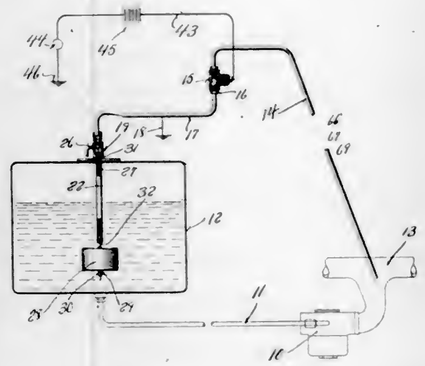
1. In a device of the character described, a tubular supporting member having a longitudinally extending slot in its upper end portion with a plurality of notches formed in each of the edges forming said slot, a stem slidably extending into the upper end of the tubular support, and a pin carried by said stem and extending laterally therefrom adapted to be brought to engage in said notches whereby said stem may be adjustably raised and lowered.

1,465,350. MOLD. THOMAS DE LA MARE, Tooele, Utah. Filed Mar. 11, 1921. Serial No. 451,427. 2 Claims. (Cl. 25—131.5.)



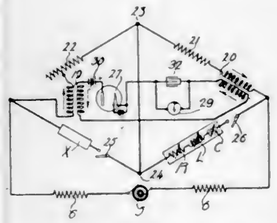
2. In a device of the class described, first and second plates; a tightening device connecting the plates; an upwardly arched bottom disposed between the plates and comprising a center piece and side pieces overlapped thereon, the side pieces having upstanding wings; means for connecting the side pieces with the center piece for adjustment; upstanding end walls hinged to the wings; an intermediate wall spaced from the first and second plates and from the bottom; and means for connecting the walls detachably with the first plate and with the intermediate plate.

1,465,351. LOW-GASOLINE SIGNAL. CHARLES W. DIXON, Racine, Wis. Filed Dec. 20, 1921. Serial No. 523,661. 4 Claims. (Cl. 116—118.)



3. In a fuel supply system having an internal combustion engine, the combination of a fuel tank, a vacuum tank permanently connected therewith, a float positioned within said fuel tank, a tube having a constricted end connected with said vacuum tank and a valve controlled by said float and controlling the admission of air to the other end of said tube, whereby when air is admitted to said tube said member will move to the constricted end of said tube and prevent further flow of air therethrough.

1,465,352. ELECTRICAL TESTING SYSTEM. GEORGE G. DOBSON, Passaic, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y., a Corporation of New York. Filed Sept. 27, 1920. Serial No. 413,208. 3 Claims. (Cl. 175—183.)



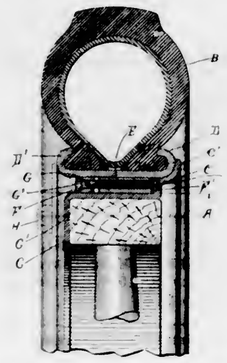
1. In an electrical testing system, an alternating current source, a pair of transformer elements energized in series relation with said source and with one another, an unknown element whose electrical characteristics are to be tested energized in parallel with one of said transformer elements, an element of known characteristics energized in parallel with the other of said transformer elements, an indicating circuit inductively related to said transformer elements whereby electrical measurements may be made when the potential differences across the terminals of two adjacent elements are equal.

1,465,353. PICTURE SLIDE. WILLIAM J. DONALDSON, Philadelphia, Pa. Filed May 5, 1922. Serial No. 558,718. 1 Claim. (Cl. 88—26.)



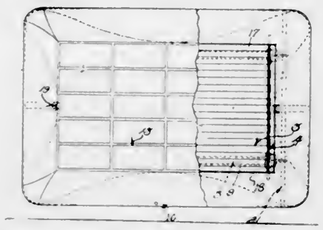
A slide for picture exhibitors comprising in combination ladder-like plates having openings and bars in confronting relation, a picture film arranged between the plates with individual pictures opposite the openings, and the edges of the film and plates being crimped for cooperation with the bars in holding the film flat in localizing injury to the pictures.

1,465,354. DEMOUNTABLE RIM. ROBERT J. DONOGH, New York, N. Y. Filed Aug. 28, 1920. Serial No. 406,555. 1 Claim. (Cl. 301—35.)



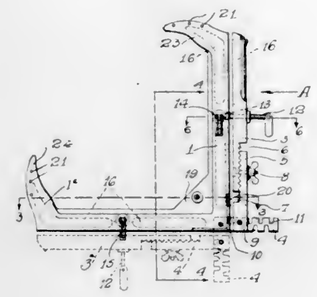
A demountable rim comprising two rim sections and means for holding them together comprising two plates one of said plates being V shaped with the vertex of the V extending into a closed V shaped recess formed in the other plate, the V shaped plate being rigidly attached to one rim section, and projecting over the other rim section, the recessed plate being rigidly attached to the other rim section and extending over the first rim section and means passing through each of the plates whereby the plates are held together and centered with relation to each other.

1,465,355. COMBINATION ELECTRIC HEATER. EMANUEL G. EBERHARDT, Racine, Wis. Filed July 22, 1922. Serial No. 576,840. 6 Claims. (Cl. 219—19.)



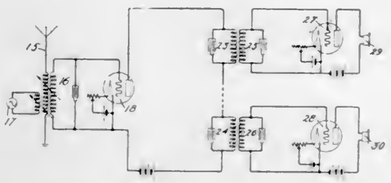
1. An electric heater comprising a frame, rods slidably carried thereby, resilient means tending to force said rods apart, refractory members carried by said rods, and resistance elements strung between said members, whereby any variation in length of said elements will be compensated for by said resilient means.

1,465,356. ADJUSTABLE SHOE LAST. HANS GAFNER, Escanaba, Mich. Filed Apr. 12, 1922. Serial No. 551,964. 2 Claims. (Cl. 12—134.)



1. In an adjustable shoe last the combination of like foot form members, a second set of like foot form members, the first foot form members and the second foot form members having integral shanks, means resiliently securing the shanks of said members in spaced relation, means for adjustably spacing the first foot form members from each other, means for adjustably spacing the second foot form members from each other, a single heel form member, means for supporting said heel form member in position to cooperate with either set of foot form members, and means for adjusting the heel form member relative to either set of foot form members.

1,465,357. RADIOCOMMUNICATION. RAYMOND A. HEISING, East Orange, N. J., assignor to Western Electric Company Incorporated, New York, N. Y., a Corporation of New York. Filed Sept. 27, 1919. Serial No. 326,909. 8 Claims. (Cl. 250—6.)

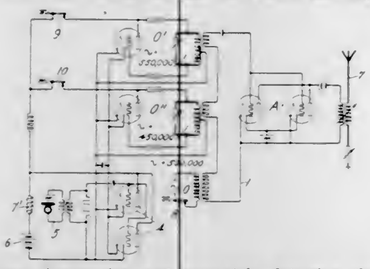


1. The method of radio signaling which comprises separately modulating each of a plurality of radio frequency waves in accordance with signals, transmitting said waves and receiving said waves simultaneously, producing a difference-frequency between each of said modulated waves and another wave, and separating and converting the frequency of each of said difference-frequency waves to receive the signals in accordance with which said first mentioned waves have been modulated.

1,465,358. SIGNALING. RAYMOND A. HEISING, East Orange, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y., a Corporation of New York. Filed Sept. 29, 1919. Serial No. 327,090. 24 Claims. (Cl. 250—6.)

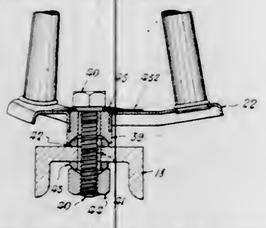
2. The method of separately receiving a plurality of radiated waves, all but one of which are modulated in accordance with a signal wave, which comprises producing

at a receiver the difference frequencies between each of said modulated waves and said one wave, selecting the



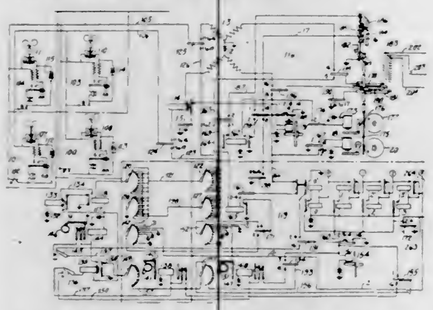
difference frequencies, and separately detecting the selected waves to produce the signal wave according to which the corresponding modulated wave is modulated.

1,465,359. CREEL AND SUPPORT FOR YARNS. FRANK ASHWORTH HOLT, Rochdale, and GRISPROD KERSHAW, Whitworth, England. Filed Jan. 26, 1923. Serial No. 615,015. 3 Claims. (Cl. 242—131.)



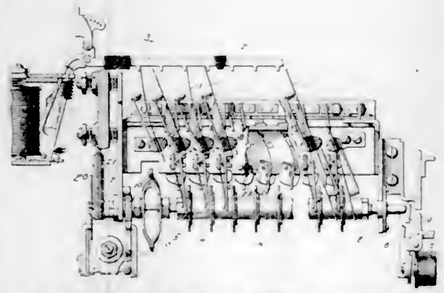
1. Supporting means for carrrying a revoluble holder for connected yarn bodies in a rail in a creel comprising a carrying part for receiving and allowing turning of the revoluble holder and having a hollow to receive a washer and provided with a screw threaded shank to be passed through a hole in the rail and to receive a nut two washers applied around the shank one presenting a face to bear against the rail and a rounded face to enter the hollow in the carrying part and the other face to bear against the rail and a rounded face to enter a hollow in a nut and a nut to be screwed on the shank and presenting a hollow to receive the rounded face of the second washer.

1,465,360. TELEPHONE-EXCHANGE SYSTEM. GEORGE ALDEN E. LENDELL, Chicago, Ill., assignor to Western Electric Company, Incorporated, New York, N. Y., a Corporation of New York. Filed Dec. 29, 1919. Serial No. 346,351. 8 Claims. (Cl. 179—17.)



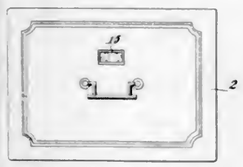
1. In a telephone exchange system a series of registers, a control relay therefor, a calling substation adapted to intermittently operate said control relay, a second station connected in shunt with said first station and comprising a condenser, and means operative upon the actuation of said registers for discharging said condenser through the winding of said control relay.

1,465,361. OPERATING MECHANISM FOR CROSSBAR LINE SWITCHES. ARTHUR C. MAGRATH, Brooklyn, N. Y., assignor to Western Electric Company, Incorporated, New York, N. Y., a Corporation of New York. Filed Oct. 15, 1920. Serial No. 417,068. 9 Claims. (Cl. 174—27.5.)



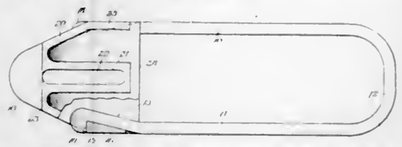
1. A switch comprising a plurality of rotatable bars, contacts therefor, locks for said bars, and a common member controlling said locks.

1,465,362. INDICATING MECHANISM FOR STRONG BOXES AND SAFES. KATSUSABURO MAMIYA, Ohito, Japan. Filed May 8, 1919. Serial No. 295,645. 2 Claims. (Cl. 235—91.)



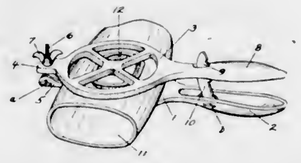
1. A safe having a door, indicating mechanism mounted on the door, operating means for said indicating mechanism also mounted on the door and an element arranged in the body of the safe and effective on the closing of the door to coact with said operating means to render them operative, and means to prevent the indicating mechanism from being operated when the door is open.

1,465,363. COMPOSITE DRAFT-GEAR YOKE. GEORGE C. MURRAY, Chicago, Ill. Filed Feb. 7, 1921. Serial No. 442,637. 1 Claim. (Cl. 213—70.)



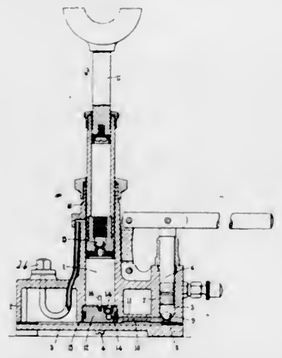
The combination with a yoke head, having upper and lower walls and side walls, of upper and lower yoke arms inclined inwardly at their forward ends to pass on the inner sides of said upper and lower walls, said yoke arms terminating in outwardly directed shoulders adapted to coact with the forward sides of said upper and lower walls, said upper and lower walls having inclined inner surfaces adapted to coact with the inclined outer surfaces of the forward portions of said yoke arms.

1,465,364. VULCANIZING TOOL. EDWARD L. PETIT, Moline, Ill. Filed Feb. 3, 1923. Serial No. 616,810. 3 Claims. (Cl. 18—18.)



1. A device of the class described, comprising a plate provided with a handle at one edge and a projection at its opposite edge; a frame similar in form to said plate, also fitted with a handle on one of its edges and a projection on its opposite edge; and a connecting member between said projections, having a hinged attachment with one of said projections, and provided with means for holding the other projection in adjusted positions with relation to the first-named projection.

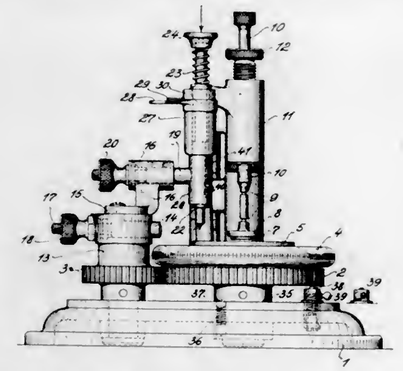
1,465,365. HYDRAULIC JACK. JAMES ALFRED ROSS, Upper Holloway, London, England. Filed Oct. 2, 1922. Serial No. 591,962. 8 Claims. (Cl. 138—9.)



1. In a hydraulic jack the combination with the ram and its working cylinder, of a shell formed integral with said cylinder, a detachable plate adapted to form the base of the shell and to co-act with it to form a reservoir for the liquid, passages in the walls of said shell for the circulation of the liquid, a screw plug closing the lower end of the ram cylinder within the shell base and a non-return valve located in said plug.

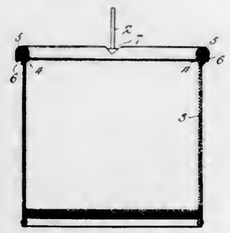
1,465,366. MACHINE FOR CUTTING SPECTACLE GLASSES. ROBERT SCHUMANN, Dusseldorf, Germany. Filed Feb. 2, 1921. Serial No. 441,809. 15 Claims. (Cl. 33—28.)

1. In a machine for cutting spectacle glasses, the combination, with rotary means for holding the glass, and means movable toward and from the center of said glass holding means for holding the glass cutter, of crank mech-



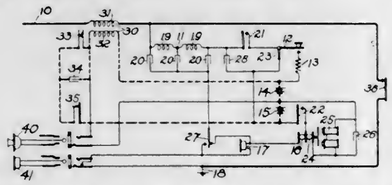
anism for operating the cutter holding means, and means for operating said glass holding means and crank mechanism.

1,465,367. CAN LINING. ISABEL SCHWARTZ, New York, N. Y. Filed Mar. 19, 1921. Serial No. 453,602. 1 Claim. (Cl. 220—63.)



A sanitary lining for garbage cans, comprising a body of water-proof paper conforming to the shape of the can and adapted for insertion thereinto and having a reinforced upper edge formed by folding and refolding the material of the body upon itself, whereby to provide a portion for straddling the upper edge of the can, said reinforced edge being also cut-away at its opposite sides whereby to prevent the interference of the movements of the bail, and a cord mounted within the reinforced edge and adapted to be tied around the outer edge of the can for the purpose set forth.

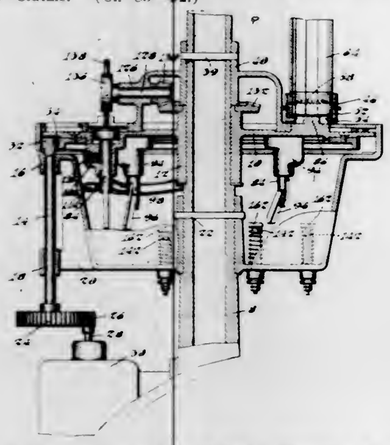
1,465,368. SECRET SIGNALING SYSTEM. WILLIAM J. SHACKELTON, Scotch Plains, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y., a Corporation of New York. Filed Sept. 4, 1919. Serial No. 321,694. 5 Claims. (Cl. 178—44.)



1. In combination, a line, and a station comprising a wave filter, a telegraph key, a source of signaling current, continuously operable means for producing fluctuations

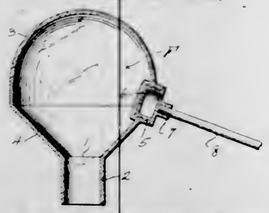
of current, and a receiver, said elements being connected in series with each other, said filter being interposed between said line and the part of the circuit containing said continuously operable means and said receiver.

1,465,369. BLANK-SORTING MACHINE. RALPH C. SIMMONS, Beverly, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J., a Corporation of New Jersey. Filed Dec. 27, 1921. Serial No. 525,054. 45 Claims. (Cl. 83—92.)



1. In a machine of the character described, a continuously rotatable carrier having a plurality of pockets in which blanks may be placed, a plurality of magazines with respect to which the pockets are successively related, and means controlled by a selected dimension of the blanks for ejecting each blank, during continued movement of the carrier, into the proper magazines so that the blanks are segregated in accordance with variations in the given dimension.

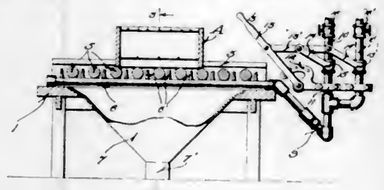
1,465,370. FLOAT. SAMUEL H. SMITH, Atlantic City, N. J., assignor of one-half to William B. Loudenslager, Atlantic City, N. J. Filed Mar. 5, 1921. Serial No. 449,608. 2 Claims. (Cl. 137—104.)



2. A float of the class described comprising a hollow body, one portion of the float being substantially semispherical and the opposite portion being in the form of an inverted cone, the apex of the second portion being provided with an opening, an outstanding sleeve defining the opening, the float at the junction of the semispherical and the cone portions being provided with a socket, and a body engaged within the socket and adapted for connection with a float rod or the like.

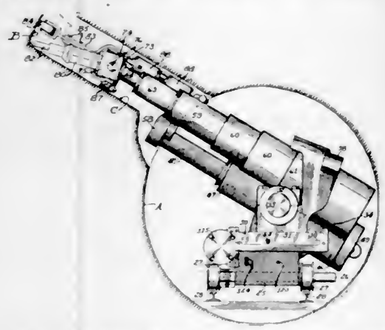
1,465,371. BOX-WASHING APPARATUS. ADAM M. SPAETH, West Bend, Wis. Filed July 15, 1922. Serial No. 575,422. 3 Claims. (Cl. 141—1.)

1. A box washing apparatus comprising a bed, a grid of parallel water pipes carried thereby and having upright jet nozzles at intervals, a loop-shaped header where-of one member is connected with said pipes and the second member is connected by pipes with the first, and regulable means for feeding water and steam to said second



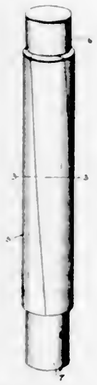
member; combined with a box support comprising side bars located in a plane above said grid, and rollers connecting said bars and spaced above said nozzles.

1,465,372. MINING MACHINE. GEORGE W. STARR and WILLIAM D. PAYNTER, Grass Valley, Calif. Filed July 25, 1921. Serial No. 487,348. 13 Claims. (Cl. 262—16.)



1. A mining machine comprising a carriage; telescoping cylinders mounted on the carriage; a piston in the innermost cylinder; a drill-head associated with said piston; and fluid-pressure connections adapted to reciprocatively extend and retract said piston and cylinders, to feed and withdraw the drill-head into and from the ore vein.

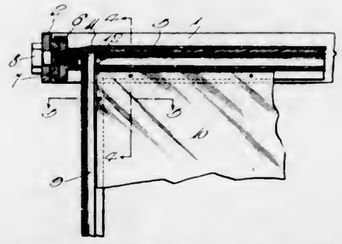
1,465,373. PLUG. LAWRENCE STEPHENS, Marietta, Ohio. Filed Nov. 28, 1921. Serial No. 518,377. 4 Claims. (Cl. 166—13.)



1. A plug of the class described comprising a pair of segmental sections each having a pair of plain surfaces uniformly decreasing in width toward an end of the plug,

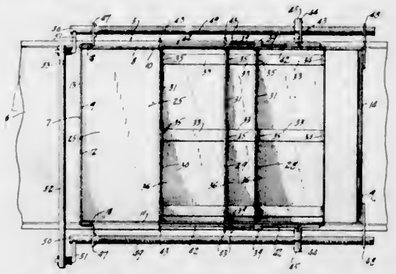
and a second set of segmental sections cooperating with the first named sections in forming a plug of cylindrical formation, each of said second named sections being provided with two flat faces which decrease in width toward opposite ends, whereby longitudinal movement of one of the sections of the first and second named pairs of sections will enlarge the cross sectional area of the plug.

1,465,374. EYESHIELD FOR AUTOMOBILE WINDSHIELDS. DANIEL E. STETLER, Wellington, Kans. Filed Jan. 16, 1922. Serial No. 529,750. 2 Claims. (Cl. 296—97.)



1. A device of the class described embodying an eye shield having a frame formed of substantially tubular side portions equipped with spaced flanges between which the transparent material is secured, the flanges of one of said side portions terminating inward of the tubular part to provide an extension, a tubular shaft extending through the horizontal top tubular portion of said frame, said shaft having its ends extending beyond the frame and formed with enlarged recessed heads providing cups adapted for receiving friction washers, said shaft being provided an aperture adjacent one end into which the aforesaid extension projects.

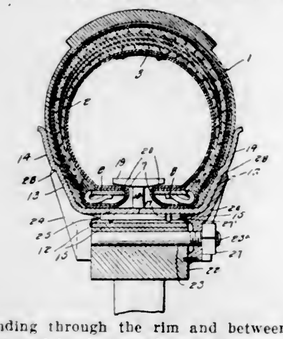
1,465,375. DUMP-CAR STRUCTURE. JAMES ROBERT STOVALL, Louisville, Ky. Filed Aug. 21, 1922. Serial No. 583,311. 10 Claims. (Cl. 105—247.)



1. In combination with a car structure embodying a body member having a discharge opening, a frame disposed adjacent the opening, a bottom for closing said opening including a plurality of sections slidable horizontally in the frame, and means for successively moving said sections to their open and closed positions.

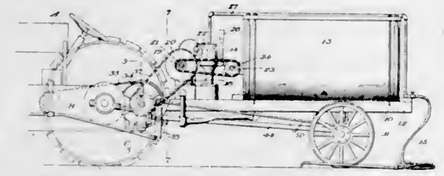
1,465,376. RESILIENT-TIRE RIM. JAMES F. STRANAHAN, Pittsburgh, Calif., assignor of one-half to John F. Mora, Pittsburgh, Calif. Original application filed Aug. 8, 1921, Serial No. 490,604. Divided and this application filed Dec. 15, 1921. Serial No. 522,634. 1 Claim. (Cl. 301—35.)

A device of the character set forth comprising a sectional rim, flanges formed on said rim, a tire mounted on said rim and engaged by said flanges and having beads, lugs formed on said sections of the rim, plates having notches to receive said lugs, stems formed on said plates



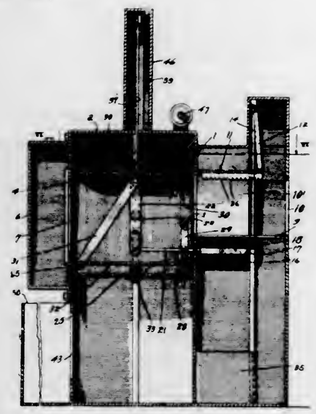
and extending through the rim and between the beads of the tire, and heads formed on said stems and having beveled faces to force the beads against the flanges when the plates are moved into engagement with the lugs.

1,465,377. SPRAYING DEVICE. ROBERT L. STRAIN, Clifton, Colo. Filed Jan. 24, 1922. Serial No. 531,443. 4 Claims. (Cl. 180—53.)



1. In combination with a drawbar of a tractor, a trailer, a coupling for the trailer comprising a bracket secured upon the drawbar, a housing mounted upon said bracket, a drive shaft journaled through said housing and driven from the power pulley of the tractor, a power transmitting element on the other end of the said shaft, the trailer having an axle provided with dirigible wheels, and a radius rod connected with the axle and detachably connected with said bracket and housing.

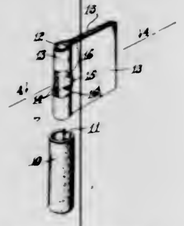
1,465,378. TRAP. PHILIP STRONG, Oatman, Ariz. Filed Oct. 28, 1921. Serial No. 511,117. 5 Claims. (Cl. 43—68.)



1. In a trap of the character described, a vertical shaft having an entrance opening therein and means for supporting a bait oppositely said entrance opening, a plat-

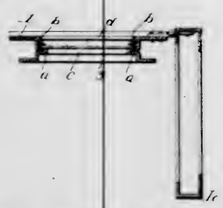
form communicating with the entrance opening, an open-ended cage slidably supported in the shaft having a false bottom pivotally supported over its floor, a trap door pivotally hinged over the platform, a vertically sliding frame associated with the door adapted to hold the door open when the frame is in its uppermost position, a tripping device for normally holding the frame in the latter position, and an operative connection between the tripping device and the false bottom for tripping the device when an animal steps on the false bottom.

1,465,379. DENTURE-ATTACHING DEVICE. SAMUEL G. SUPPLEE, East Orange, N. J. Filed Mar. 18, 1921. Serial No. 453,205. 4 Claims. (Cl. 32—12.)



2. In a denture attaching device, a post comprising a pin and a plate for supporting the pin, a sleeve for receiving said post and open along one side, and a plate spring carried by said post and partially surrounding the pin for holding the post and sleeve in assembled relation, said spring being adjustable to vary the frictional engagement between the post and sleeve.

1,465,380. SASH FRAME. ICHIGO TAJIMA, Tokyo, Japan. Filed Apr. 9, 1920. Serial No. 372,475. 2 Claims. (Cl. 189—76.)



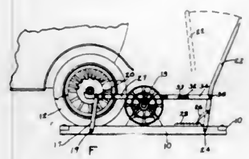
1. A metal sash, comprising a frame member of a U-shaped cross section having an inwardly extending web and a flange formed on the base part of said U-shape which is open outwardly of the sash, and an intermediate member of a cross shaped cross section having flanges for retaining putty and spring pieces.

1,465,381. ELECTRODE AND ITS CONSTRUCTION. RUSSELL F. TRIMBLE, Elizabeth, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y., a Corporation of New York. Filed Nov. 4, 1918. Serial No. 261,030. 3 Claims. (Cl. 250—27.)



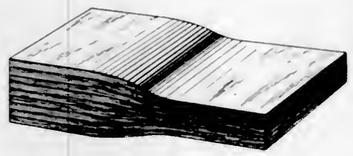
1. In an electron discharge device, a grid electrode comprising a pair of supporting members, each formed from a single length of wire bent to provide an arched portion and a pair of straight portions, frame wires extending between and welded to each pair of corresponding straight portions at points removed from the ends of said straight portions, and grid wires extending between and supported by said corresponding straight portions.

1,465,382. POWER-TRANSMISSION DEVICE. GEORGE D. VANNEST, Ponca City, Okla. Filed May 25, 1922. Serial No. 563,665. 2 Claims. (Cl. 74—106.)



1. In a device of the class described, a frame work, a line shaft rotatably mounted in bearings carried by said frame work; a pair of pulleys affixed thereto at predetermined spaced distances apart; a pair of studs pivoted from and above forward portions of the frame and a lever for each stud pivoted from rear portions of the frame, a pawl on said lever and a ratchet block on the frame in operable connection therewith; an axle supporting member for each stud pivotally connected thereto and forwardly projecting therefrom; a member leading rearwardly from each axle supporting member and a member forwardly leading from the corresponding lever and in supported combination with the first member and spring means intermediate end portions of said members and whereby rearward lever movements are resiliently transmitted through said linking elements to pivotally raise the axle supporting members through an arc movement and dispose the stud members rearwardly of a vertical plane taken through the stud supporting elements at its base.

1,465,383. COMPOSITE LUMBER. FRANK J. WALSH and ROBERT L. WATTS, Tacoma, Wash. Filed Mar. 17, 1920. Serial No. 366,693. 5 Claims. (Cl. 20—91.)

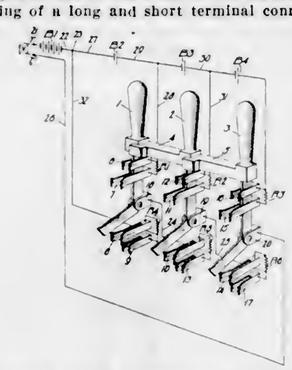


1. An article of manufacture, a composite lumber, composed of a plurality of layers of soft wood cemented together with the grain of the adjacent layers extending at an angle to each other and the whole compressed beyond the elastic limit of the wood.

1,465,384. INTERLOCKING SWITCH. LEWIS C. WESCOAT, Elmhurst, N. Y., assignor to Western Electric Company, Incorporated, New York, N. Y., a Corporation of New York. Filed Nov. 15, 1919. Serial No. 338,219. 2 Claims. (Cl. 200—5.)

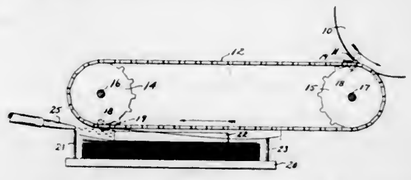
1. A switch mechanism comprising a plurality of V-shaped knife blade switches interlocked so that they may be thrown from one position to another only in sequence, two sets of stationary contacts for each blade, each set

cooperating with one of the arms of the blade and each set consisting of a long and short terminal connected to-



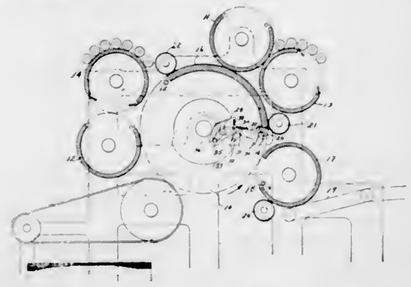
gether through a resistance, said long terminal situated nearer the pivotal point of the blade than the short terminal.

1,465,385. SHEET-DELIVERY MECHANISM. JOSEPH WHITE, Piscataway Township, N. J.; Minnie E. White, administratrix of said Joseph White, deceased, assignor to Hall Printing Press Company, Dunellen, N. J., a Corporation of New Jersey. Filed July 12, 1919, Serial No. 310,515. Renewed Jan. 18, 1923. 2 Claims. (Cl. 271—79.)



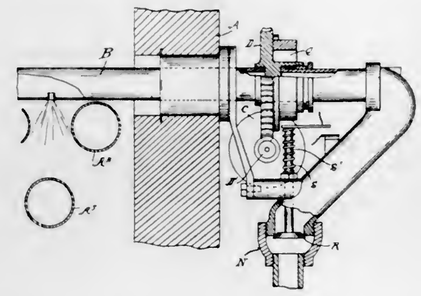
1. In a sheet delivery mechanism, a sheet receiving support, sheet engaging devices to engage the head of a sheet and carry it horizontally and to release it when over said support, and means to deliver a current of air horizontally beneath the sheet prior to and at the time of its release by said engaging device.

1,465,386. SHEET-SMOOTHING DEVICE. JOSEPH WHITE, Middlesex, N. J.; Minnie E. White, administratrix of said Joseph White, deceased, assignor to Hall Printing Press Company, Dunellen, N. J., a Corporation of New Jersey. Filed Oct. 11, 1919. Serial No. 330,024. 2 Claims. (Cl. 101—177.)



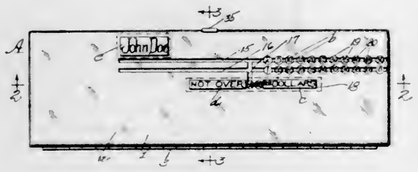
1. In a printing press, a cylinder having a sheet-taking device thereon adapted to engage the head of the sheet, and a fabric-covered roller adapted to press the sheet against the periphery of the cylinder as the sheet is drawn past said roller, said fabric covering comprising a pair of opposed spiral strips arranged to exert lateral pulls on the sheet from its center toward its edges.

1,465,387. BOILER CLEANER. FRANK BOWERS, Detroit, Mich., assignor to Diamond Power Specialty Corporation, Detroit, Mich., a Corporation of Michigan. Original application filed Nov. 30, 1917, Serial No. 204,556. Renewed Nov. 6, 1922, Serial No. 599,559. Divided and this application filed Sept. 18, 1922. Serial No. 588,960. 3 Claims. (Cl. 122—392.)



3. In a boiler cleaner, the combination with a rotatable blower unit adapted to discharge steam jets or the like, a stationary supply pipe, a valve therein independent of the blower unit, mechanical connections forming a part of said unit and operating between said unit and said valve, and means to operate said unit and from the same means actuate the said connections to operate said valve to automatically supply steam or the like from said supply pipe to said unit while the jets are directed toward predetermined portions of the boiler.

1,465,388. CHECK PROTECTOR. EDWIN H. DRYER, Bakersfield, Calif. Filed Dec. 28, 1921. Serial No. 525,283. 10 Claims. (Cl. 101—20.)

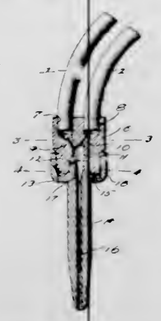


1. A check protector, including a two-part casing, one of which is adapted to carry a check book and the other of which is adapted to receive a check to be perforated; there being means mounted on the casing for perforating said check.

1,465,389. UNWOVEN BRAKEBAND FACING. WILLIAM C. FISHER, Middletown, Conn., assignor to Russell Mfg. Co., Middletown, Conn., a Corporation. Filed Aug. 23, 1919. Serial No. 319,504. 1 Claim. (Cl. 91—68.)

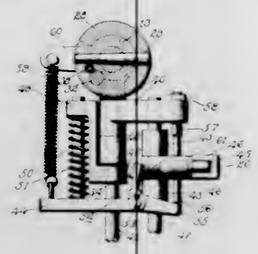
As a new article of manufacture, a flexible unwoven asbestos fiber brakband facing, comprising asbestos fibers combined with ground cork, cohered by a superficially applied phenolic condensation product, the bulk of which remains upon the surface of the asbestos fibers and ground cork in the form of a hard skin.

1,465,390. WELDING TORCH. WILLIAM JOSEPH FRANK, Baltimore, Md. Filed Mar. 7, 1922. Serial No. 540,135. 2 Claims. (Cl. 158—27.4.)



1. In a torch, a head having a socket in its rear end, a central chamber provided with a bell mouthed counterbore opening through the front end of the head, and a duct connecting the socket and the chamber, a tip having the rear end portion thereof formed to closely fit within the bell mouthed counterbore and having an axial passage extending therethrough, said passage being enlarged adjacent to the rear end of the tip to provide a conoidal chamber adapted to register at its end with the confronting end of the first named chamber, and means for maintaining the tip seated in the counterbore.

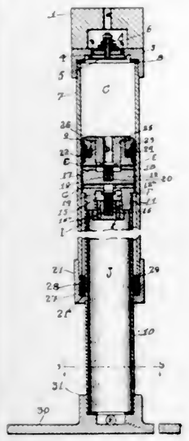
1,465,391. MECHANISM FOR CONTROLLING POWER-DRIVEN MACHINES. PERLEY R. GLASS, Brookline, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J., a Corporation of New Jersey. Filed Dec. 17, 1918. Serial No. 267,182. 15 Claims. (Cl. 192—146.)



1. Mechanism for controlling the operation of a shaft comprising a clutch, a stop for the shaft, devices which may be positioned in accordance with the varying speed requirements of a machine driven by the shaft to control the speed at which the shaft is driven by the clutch, and means for preventing operation of the stop when said devices are positioned to give to the shaft any speed exceeding a predetermined rate.

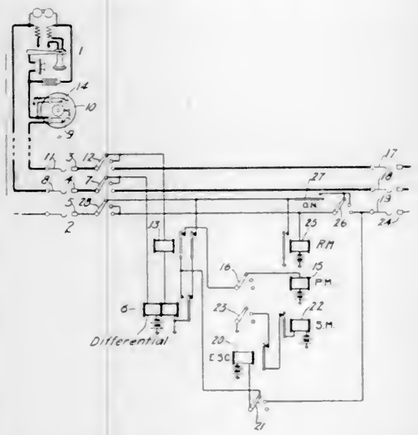
1,465,392. PUMP. JOSEPH P. GOODFELLOW, Blaine, Wash., assignor of one-fourth to Charles Eisele, Blaine, Wash. Filed Jan. 25, 1922. Serial No. 531,693. 3 Claims. (Cl. 230—27.)

2. In an air pump for inflating automobile tire casings, with an outer barrel tube attached to a power handle, and an inner barrel tube mounted within the outer tube, with a space between the inner walls of the outer tube and the outer walls of the inner tube, with a check valve in a passageway between the chamber of the inner tube and the space between the tubes, and a check valve in a passageway between the space between the tubes and a space between the end of the outer tube and the end of the inner tube, with slidable air tight connections between the walls of the tubes, means for governing the distance of travel of the tubes in telescopic action upon each other, means for



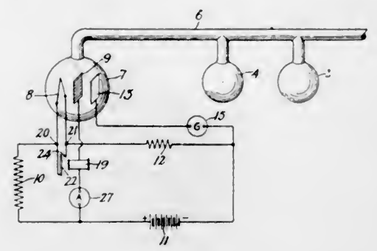
admitting fluid into the space between the ends of the tubes and means for forcing the fluid from said last mentioned receiving chamber successively through said passageways into the chamber inside the inner tube, the seats to the said valves provided with narrow edged bearings.

1,465,393. TELEPHONE-EXCHANGE SYSTEM. CHARLES L. GOODRUM, New York, N. Y., assignor to Western Electric Company, Incorporated, New York, N. Y., a Corporation of New York. Filed Sept. 30, 1920. Serial No. 413,856. 6 Claims. (Cl. 179—18.)



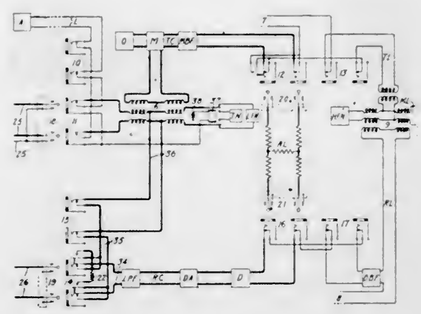
1. In a telephone system, a variably operable impulse sender, a selector switch, means responsive to impulses from said sender for operating said switch, and means consisting of only two relays at said selector switch for transmitting the impulses from said sender to said operating means, one of said relays being responsive only to the movement of said sender from its normal position.

1,465,394. CONTROL APPARATUS FOR EVACUATED VESSELS. WILLIAM G. HOUSKEEPER, New York, N. Y., assignor to Western Electric Company, Incorporated, New York, N. Y., a Corporation of New York. Filed Nov. 6, 1920. Serial No. 422,200. 13 Claims. (Cl. 250—27.)



10. A vessel subjected to different degrees of vacuum and comprising an anode and a cathode, and means for short-circulating said cathode in response to variations in said pressure.

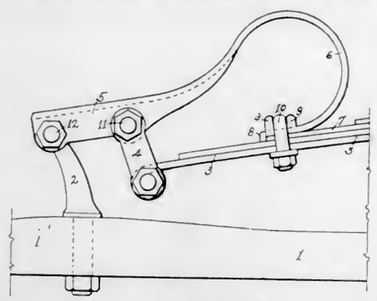
1,465,395. TESTING CIRCUITS FOR CARRIER WAVE-SIGNALING SYSTEMS. JACOB S. JAMMER, New York, N. Y., assignor to Western Electric Company, Incorporated, New York, N. Y., a Corporation of New York. Filed June 16, 1921. Serial No. 477,920. 8 Claims. (Cl. 179—15.)



1. In a two-way signaling system, a transmitting circuit, a receiving circuit, means normally interconnecting said circuits in conjugate relationship, testing means adapted to disconnect said circuits from each other by way of said normal interconnecting means and to interconnect them through said testing means, a plurality of terminals at which said disconnection is effected, and means connected to each of said terminals to simulate the impedance normally connected to each.

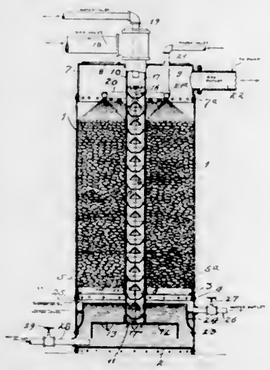
1,465,396. SHOCK ABSORBER FOR AUTOMOBILE SPRINGS. PAUL W. JOHNSON, Tacoma, Wash. Filed Mar. 23, 1922. Serial No. 545,930. 2 Claims. (Cl. 267—19.)

1. A shock absorber for automobiles, comprising a unitary cantilever attachment, one end of said attachment being mounted on the outwardly turned perch of the automobile axle, the opposite end of said attachment being extended to form a horse shoe shaped spring, means for attaching the end of said horse shoe shaped spring on the leaves of the automobile spring near its end, the spring hangers of said automobile spring pivotally suspended from the said cantilever attachment, and the end of said



horse shoe shaped spring terminated with a downwardly turned claw to engage the end of the spring leaf on which it rests to resist the lateral strain imparted thereto.

1,465,397. GAS SCRUBBER. HORACE G. JOHNSTON, Corsicana, Tex. Filed Sept. 13, 1922. Serial No. 588,056. 6 Claims. (Cl. 261—121.)



1. In apparatus for separating oil, tar or other substances from gas produced from coal or the like, the combination of a container, a gas inlet conduit entering said container and extending downward therein, said conduit having, about its discharge end, a baffle provided with a plurality of perforations, a draw-off conduit, and means adapted to maintain water at a constant level above said baffle and the discharge end of the gas inlet conduit, said draw-off conduit being adapted to continually draw off oil and tar washed from the gas, means for showering scrubbing water within the container in the space between the gas inlet conduit and the wall of the container, and a gas outlet.

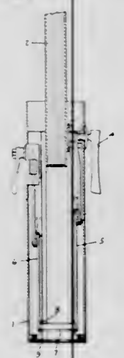
1,465,398. APPARATUS FOR PREPARING OIL FOR ELECTRIC TREATMENT. GEORGE C. KELLEY, Taft, Calif. Filed Aug. 9, 1920. Serial No. 402,467. 2 Claims. (Cl. 196—1.)



1. An apparatus for heating oil from wells to facilitate the separation of water, comprising a furnace, a hot water drum arranged horizontally in the furnace, an elongated

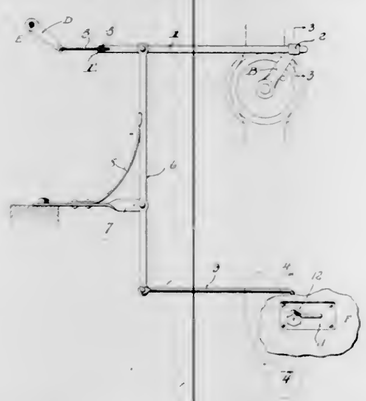
oil passage arranged in the drum and through which oil is caused to flow to be heated, and a heat exchange flue leading from the furnace chimney and in which a preheater is arranged for heating the oil before it passes into the said passage.

1,465,399. OPERATING MEANS FOR AUTOMOBILE DOOR LATCHES. FREDERICK KLEINSMITH, Indianapolis, Ind. Filed Nov. 21, 1921. Serial No. 516,642. 3 Claims. (Cl. 296—44.)



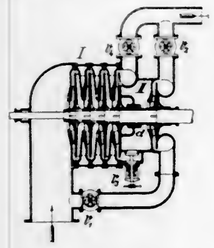
1. The combination with an automobile door a frame slidable in said door and a securing latch connected to the door at one side of the path of the frame, of a pair of levers fixed together at their lower ends, and extending on opposite sides of the path of the frame, said levers being formed in sections, links for connecting said sections of the levers together, means for pivotally mounting the lower ends of the levers, and pivoted means connected with the levers for moving the same for releasing said latch.

1,465,400. FOOT ACCELERATOR. JOSEPH F. LINCK, Milwaukee, Wis. Filed Nov. 8, 1921. Serial No. 513,670. 1 Claim. (Cl. 74—39.)



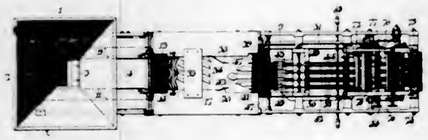
In an automobile the combination of a carbureter having a rock arm, a link connected thereto, a coupling rod slidably joined to said link and forming an extension thereof and adapted to slide freely in one direction and to operatively engage the link when moved in the other direction, a shift rod, an arm carried by said shift rod and pivotally joined to said coupling rod, a foot bar having a lateral extension adapted to be operated by lateral movement of the driver's foot, an elongated rock arm pivoted intermediate its ends and directly connecting and pivotally joined to said foot bar and said link, and a spring for rocking said rock arm in one direction.

1,465,401. TURBOCOMPRESSOR. FRANZ LÖSEL, Brunn, Czechoslovakia. Filed Mar. 31, 1921. Serial No. 457,314. 4 Claims. (Cl. 230—11.)



1. The combination, with a centrifugal compressor, of means for raising its characteristic in the vicinity of the zone where "pumping" is likely to occur.

1,465,402. POSITIONING AND FEEDING MECHANISM FOR CONFECTION-WRAPPING MACHINES. JOSEPH PERCY REMINGTON, Philadelphia, Pa. Filed May 3, 1917. Serial No. 166,134. 15 Claims. (Cl. 198—29.)

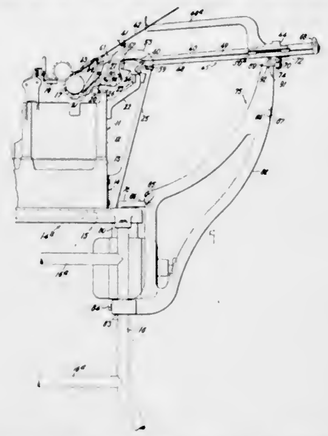


1. In a machine of the class described, means for setting upright promiscuously-fed generally conical objects, which comprise a moving surface upon which the objects are fed, and means for imparting to said surface a joggling motion of such intensity as to be capable of setting up on its base a conical object lying on its side, but not of sufficient intensity to overturn such a conical object standing on its base.

15. The combination of a setting-up table whereon dropped confections are set upon their bases, with means for causing the confections to travel to one end thereof; runways receiving confections from said table having travelling bottoms for conveying the confections and also having guide channel portions whereby upright confections are confined and guided only at their plane of common dimension, in such wise as to prevent locking or capsizing thereof; and means at the ends of the channels for tolling off upright confections laterally therefrom, one at a time, to corresponding wrapping means.

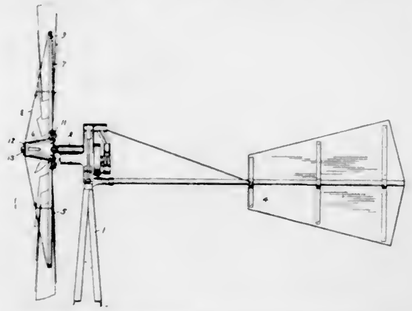
1,465,403. TYPEWRITING MACHINE. BURNHAM C. STICKNEY, Elizabeth, N. J., assignor to Underwood Typewriter Company, New York, N. Y., a Corporation of Delaware. Filed May 23, 1922. Serial No. 562,969. 21 Claims. (Cl. 197—126.)

1. The combination with a typewriter carriage comprising a rear paper-table, of a revoluble platen normally cooperating with said paper-table, a platen-displacing frame mounted in said carriage, a carbon-carrier to retract carbon-sheets along work-webs when the latter are straightened under the platen, a carbon-carrier track connected with the carriage to travel therewith and having its front end spaced rearwardly from the rear edge of said paper-table, and a web-guide to guide the webs from the carbon-carrier track to the rear paper-table, said web-guide



being pivotally mounted so that it may be swung away from its normal position to permit access downwardly between said paper-table and said carbon-carrier track.

1,465,404. WIND-WHEEL HUB FOR WINDMILLS. VAUGHAN L. ANDREW, Superior, Wis. Filed Oct. 5, 1922. Serial No. 592,657. 5 Claims. (Cl. 170—79.)



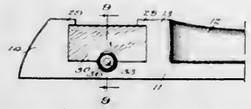
1. A windmill wheel hub of the character described comprising an elongated hollow body portion, a sleeve like bearing integral with one end of the hub, a separable head for the opposite end of the hub having a hub like axial portion therein, and means for rigidly uniting the head with the hub.

1,465,405. VEHICLE SIGNAL. EDNA ARRINGTON, Star, Oreg. Filed Feb. 6, 1923. Serial No. 617,228. 1 Claim. (Cl. 116—54.)



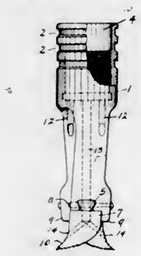
In a signal for motor vehicles, a pair of signal boxes pivotally disposed upon opposite sides of the motor vehicle and adjacent the front end thereof, each of said signal boxes including a casing having a reduced portion at the inner end thereof, brackets carried by the vehicle, pivotal connections between said reduced portions and said brackets, means for swinging said boxes upon their pivots, and counter-balancing springs fixed to the brackets and engaging said boxes for assisting in the upward pivotal movement of said boxes.

1,465,406. RAILWAY TIE. JOHN HOLYOKE BARNES, Norwich, Conn. Filed Oct. 12, 1922. Serial No. 594,152. 3 Claims. (Cl. 238—69.)



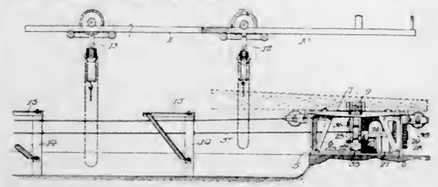
3. A railway tie comprising a base, abutments thereon, a bearing block positioned between said abutments, a bolt interposed between said base and block and extending transversely thereof and having a head on one end overlapping portions of said base and block, and means on the opposite end of said bolt for attaching the same to said base and block.

1,465,407. DRILL BIT. SAMUEL F. BASHARA, Houston, Tex. Filed Mar. 9, 1920. Serial No. 364,504. 4 Claims. (Cl. 255—61.)



1. A drill bit, including a shank having a transverse dovetailed groove, a blade section formed with cutting blades, a transverse dovetailed rib carried by the blade section and fitting into the groove and detachably securing the blade section to the shank and a reinforcing shoulder fitting against the rear side only of each blade, said shoulders being formed integrally and depending from said shank.

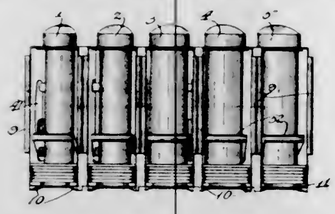
1,465,408. MACHINE FOR STRAIGHTENING STRUCTURAL MEMBERS. ALBERT J. BATES and WALTER A. BATES, Chicago, Ill., assignors to Bates Expanded Steel Truss Co., Wilmington, Del., a Corporation of Delaware. Filed Oct. 24, 1917. Serial No. 198,204. 13 Claims. (Cl. 153—48.)



1. In a metal bending machine, a plurality of abutments defining a work-receiving guideway, work engaging jaws disposed at opposite sides of the guideway and working transversely thereof, means for maintaining the jaws spaced in a predetermined relation, means for reciprocating the jaws as a unit through a constant zone

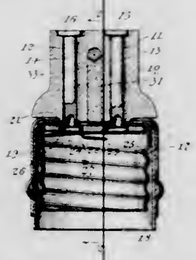
of travel, and means for adjustably shifting the zone of reciprocation of the jaws while the machine is in operation, whereby the shifting of the zone of reciprocation may be effected without stopping the machine.

1,465,409. UNIVERSAL CHANGE MAKER. HUGO J. BAER, Chicago, Ill., assignor to Johnson Fare Box Company, a Corporation of New York. Filed July 7, 1919. Serial No. 308,996. 7 Claims. (Cl. 133—5.)



1. A change maker comprising a plurality of coin receiving and ejecting elements detachably secured together, a locking mechanism on each of said elements, the operating means of said locking mechanism being so located on each element that when the elements are secured together the said operating means will cooperate to enable all the locking mechanisms to be operated together.

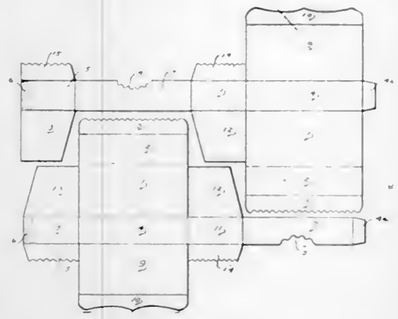
1,465,410. ELECTRICAL CONNECTING DEVICE. REUBEN B. BENJAMIN, Chicago, Ill., assignor to Benjamin Electric Manufacturing Company, Chicago, Ill., a Corporation of Illinois. Filed Sept. 23, 1918. Serial No. 255,254. 3 Claims. (Cl. 173—344.)



2. An electrical connecting device comprising an insulating member, a threaded contact shell carried thereby, an end contact for said insulating member extending therethrough to said contact shell, said insulating member being formed with a recess and having a lateral opening communicating with said recess, and a pin lying in said recess and extending therefrom through said opening and having projections thereon within said recess, said recess being filled with moldable material to retain said pin.

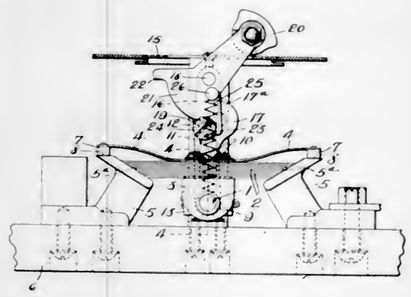
1,465,411. PAPER BOX. SAMUEL BERGSTEIN, Middletown, Ohio. Filed Aug. 11, 1921. Serial No. 491,376. 3 Claims. (Cl. 229—38.)

3. In combination a box blank having a continuous central side wall strip to form the walls of the box, ends on said strip adapted to be joined together in the assembled box, supplementary bottom members, said blank being so arranged that the top is located on one end of the side wall strip with both supplementary bottom members on one side of the top and bottom members, and a companion box blank having a continuous central strip of the same character, said companion box blank having top, bottom and supplementary members, said box top and bottom in the second form being located on the end of the side wall strip opposite to end on which said similar parts are located on the first mentioned side wall



strip, and the supplementary bottom members on either side of the top and bottom members, whereby two boxes characterized by the central continuous strip may be formed from a single blank when severed therefrom.

1,465,412. QUICK-BREAK SWITCH. CARL H. BISSELL and RALPH E. JONES, Syracuse, N. Y., assignors to Crouse-Hinds Company, Syracuse, N. Y., a Corporation of New York. Filed Aug. 17, 1917. Serial No. 186,716. 3 Claims. (Cl. 200—76.)

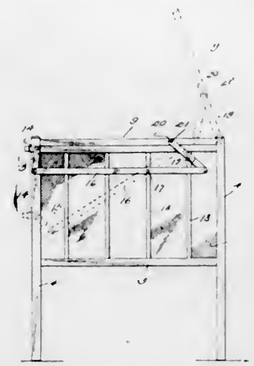


1. A switch comprising a support, a rectilinearly movable switch member, an operating member pivoted to the support, a toggle including links pivoted together and connected at their opposite ends to the switch member and to the support concentric with the operating member, and a spring tending to open the switch and fold the toggle, the operating member coacting with the toggle to move the same out of its extended position and permit the spring to complete the folding of the toggle, the spring being connected to the switch member and to the operating member at a point at one side of the axis of the operating member whereby the end of the spring connected to the operating member shifts during the movement of the operating member, substantially as and for the purpose set forth.

1,465,413. CRIB. CHARLES H. BOARDMAN, Columbus, Ohio. Filed Sept. 18, 1922. Serial No. 588,825. 1 Claim. (Cl. 5—97.)

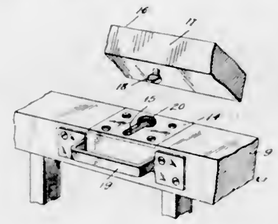
In a crib of the class described comprising side and end frames, a top frame pivotally supported by the crib,

levers pivoted directly on the end frames and having their ends pivotally connected, respectively, with the top



and one of the side frames and operable to swing the top frame upwardly when said side frame is moved downwardly.

1,465,414. CRIB. CHARLES H. BOARDMAN, Columbus, Ohio. Filed Nov. 4, 1922. Serial No. 599,004. 2 Claims. (Cl. 5—97.)



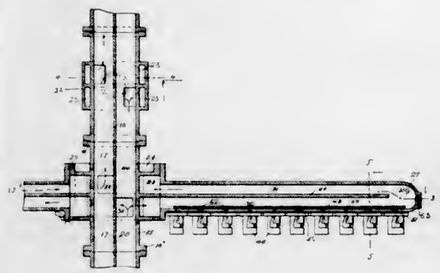
2. In a crib of the class described, a top hingedly connected therewith, a side slidably connected with certain corner posts of the crib, said side being capable of being moved upwardly in a vertical direction, thence inwardly and downwardly, and means operable upon relative movement of the top and side for interlocking the top and side when the latter is elevated.

1,465,415. TROUSERS. EUGENE A. BRUNZEL, Brooklyn, N. Y. Filed Sept. 24, 1921. Serial No. 503,004. 1 Claim. (Cl. 2—122.)



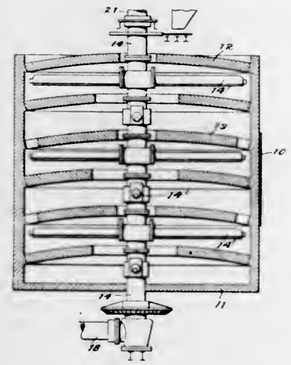
In a pair of trousers a trouser leg comprising an inner and an outer strip of fabric, each strip having a hemmed edge, the fold line of one edge abutting the fold line of the other edge and a strip of fabric extending along and across said abutting fold lines and stitched to the hemmed portions on opposite sides of said abutting fold lines.

1,465,416. RABBLE-FURNACE CONSTRUCTION. BENJAMIN G. CALL and RICHARD A. WAGSTAFF, Garfield, Utah, assignors to American Smelting & Refining Company, a Corporation of New Jersey. Filed Oct. 9, 1917, Serial No. 195,509. Renewed Feb. 26, 1923. 15 Claims. (Cl. 257—119.)



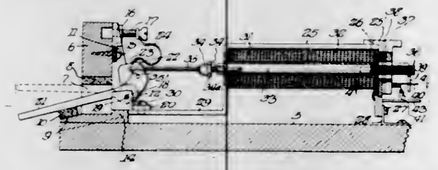
1. In a device of the class described, a rabble construction including a pair of superimposed sections, each section including an upstanding tubular hub a wind box surrounding the hub and a radially disposed arm leading outwardly from each wind box, each tubular hub provided with a central partition designed to be disposed in line with and forming a continuation of the partition in the next adjacent section thereby to form a double passageway through the pair of sections and each passageway opening into the wind box.

1,465,417. RABBLE-FURNACE CONSTRUCTION. BENJAMIN G. CALL, Tacoma, Wash., and RICHARD A. WAGSTAFF, Garfield, Utah, assignors to American Smelting and Refining Company, New York, N. Y., a Corporation of New Jersey. Original application filed Oct. 9, 1917, Serial No. 195,509. Divided and this application filed Dec. 19, 1921. Serial No. 523,283. 8 Claims. (Cl. 259—66.)



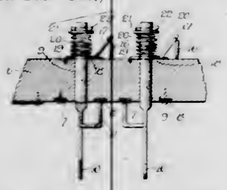
1. In a device of the class described, the combination of a rabble arm provided with a guide supporting member extending lengthwise thereof, a plurality of rabble guides slidably mounted on said member, adjacent sides of contiguous guides being provided with rabble supporting means, and a plurality of rabbles, each supported by said means between the contiguous guides whereby any pair of adjacent guides may be separated to permit the removal of the rabble carried thereby without effecting the mounting of the other rabbles.

1,465,418. STOP-ACTUATING DEVICE FOR PIPE ORGANS, ETC. GEORGE H. CHAPMAN, Chicago, Ill. Filed May 5, 1921. Serial No. 466,884. 8 Claims. (Cl. 84—243.)



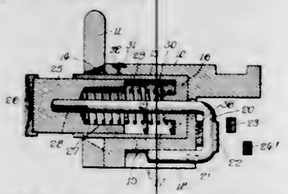
4. In a stop actuating device for musical instruments, the combination of a wooden bar, a metal bracket attached to the rear side of said bar and formed with a tapped boss on its upper portion, a regulating screw mounted in said boss, a stop-key fulcrumed in the lower portion of said bracket, and a stop-key controlling spring between the inner end of said stop-key and said regulating screw.

1,465,419. ELECTRIC SWITCH. GEORGE H. CHAPMAN, Chicago, Ill. Filed Mar. 10, 1922. Serial No. 544,129. 6 Claims. (Cl. 200—155.)



1. In a rotary electric switch, the combination of a switch-board, a switch post rotatably mounted in said board, a fixed contact member on a surface of said board at one side of said switch post, an operating knob on one end of said post, a contact finger cut and bent outwardly from said knob, and a spring forcing said post endwise in a direction to press said finger against said contact member.

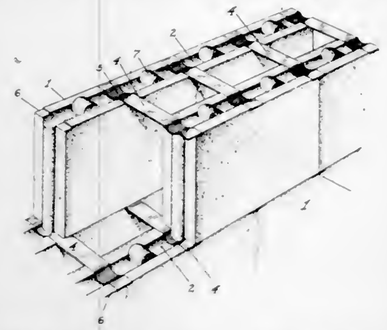
1,465,420. PISTON SWITCH. GEORGE H. CHAPMAN, Chicago, Ill. Filed Apr. 10, 1922. Serial No. 551,097. 8 Claims. (Cl. 200—159.)



1. In a piston switch of the character described, the combination with a support, of a metal shell of uniform internal diameter mounted therein, a circuit line connected to said shell, a piston slidably fitting within and guided throughout substantially its full length by said shell, a contact member carried by said piston, a cooperating stationary contact member mounted on said support, and a spring normally maintaining said contact members separated.

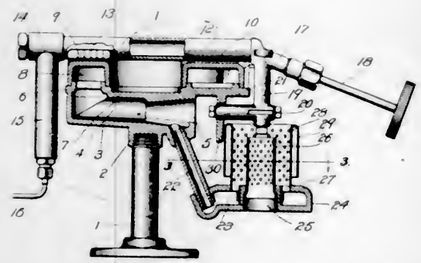
1,465,421. TIE FOR REENFORCED CONCRETE CONSTRUCTION. HARRY E. CROUSER, Stockton, and EDGAR R. THORNTON, Los Angeles, Calif. Filed Apr. 12, 1921. Serial No. 460,687. 2 Claims. (Cl. 72—101.)

1. In building construction, building blocks therefor, a ridge along one edge of each block, and a groove to cooperate with said ridge along the abutting edge of an adjacent block, said ridge being shallower than the groove whereby when the blocks are placed one on the other a tie may be seated between said ridge and groove without



causing the blocks to separate, and space is had for a binding material, the edges of the blocks on each side of the grooves being recessed at intervals to receive the ties and allow the same to lie flush with said edge.

1,465,422. HYDROCARBON-FUEL BURNER. WILLIAM C. COLEMAN, Wichita, Kans. Filed June 17, 1921, Serial No. 478,311. Renewed June 20, 1923. 5 Claims. (Cl. 158—65.)

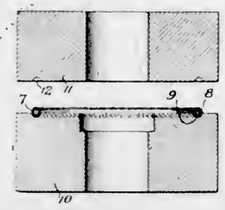


5. A hydrocarbon fuel burner comprising a block having a mixing chamber with a flared inlet and a circumferential burner chamber above the mixing chamber communicating with the mixing chamber and having its upper face provided with slots, a main vaporizing chamber resting above the circumferential burner chamber having an L-shaped extension discharging into the flared inlet for the mixing chamber, the discharge end of the L-shaped extension being spaced away but in line with the flared inlet, a valve for controlling the amount of fuel passing from the main vapor chamber to the L-shaped extension which constitutes an initial vaporizing chamber, and an auxiliary burner below the mixing chamber and communicating therewith, the auxiliary burner being in line with the L-shaped extension so that when the initial flow of fuel passes into the mixing chamber, it will flow into the auxiliary burner to be ignited so as to initially heat the L-shaped extension.

1,465,423. PROCESS OF PRODUCING RIMS OF CELLULOID FOR EYEGLASSES. EDGAR R. DURGIN, Newark, N. J., assignor to New Jersey Optical Co., Newark, N. J., a Corporation of New Jersey. Filed Oct. 12, 1920. Serial No. 416,537. 9 Claims. (Cl. 18—51.)

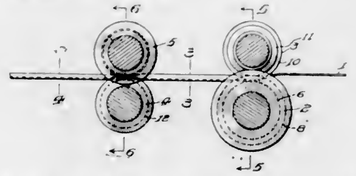
6. The process of producing eyeglass and spectacle rims from relatively thin, narrow, flat strips of material of the character described which comprises the shaping of

said strips so as to render the same arcuate in cross section, bending the said arcuate shaped strips into circular form, thereafter placing the same upon a circular core, placing the said arcuate and circular shaped strip and core in a die and thereafter compressing the said



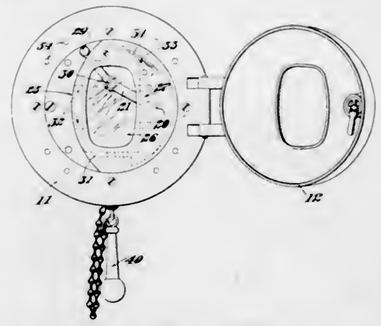
strip between the said die and said core to force the edges of the said strip partially about the said core, and thereby positioning the said edges closer to each other and thus forming an under-cut groove upon the inner side of the rim and simultaneously slightly reducing the thickness of the said edges.

1,465,424. PROCESS OF PRODUCING RINGS OF CELLULOID FOR EYEGLASSES AND SPECTACLES. EDGAR R. DURGIN, Newark, N. J., assignor to New Jersey Optical Co., Newark, N. J., a Corporation of New Jersey. Filed Aug. 1, 1922. Serial No. 578,985. 10 Claims. (Cl. 18—51.)



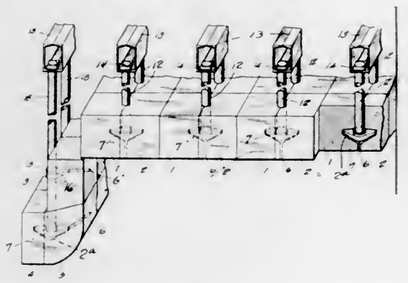
1. The process of producing eyeglass and spectacle rim members, which consists in forming a thin strip of suitable material, pressing the said strip so as to bend the same longitudinally to form an under-cut groove in one side thereof, shaping the said strip to helical form, and thereafter cutting the same into required lengths to form the said rim members.

1,465,425. FIRE-ALARM APPARATUS. VERNON DURGIN, Brookline, Mass., assignor to The Holtzer-Cabot Electric Company, Roxbury, Mass., a Corporation of Massachusetts. Filed June 14, 1918. Serial No. 239,929. 5 Claims. (Cl. 177—372.)



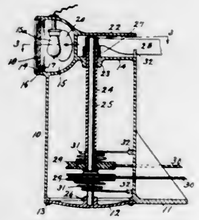
1. A fire alarm apparatus having a main alarm circuit, a local alarm circuit, and means for controlling the operation of said circuits including an outlet box provided with a door, a stationary glass panel mounted within the box independently of the door, means for operating the local alarm circuit, and means operatively connected with the stationary glass panel for normally rendering the main alarm circuit inoperative when the local alarm is operated and for permitting operation of the main alarm circuit with the local alarm circuit when the stationary glass panel is broken.

1,465,426. FUEL-BURNING FURNACE. FREDERIC F. ESPENSCHIED, New York, N. Y., assignor to Combustion Engineering Corporation, New York, N. Y., a Corporation of New York. Filed Dec. 31, 1919. Serial No. 348,547. 9 Claims. (Cl. 110—75.)



1. In a furnace lining, the combination of a plurality of blocks arranged side by side having laterally extending recesses in their adjacent faces connected with the interior of said furnace, horns having portions extending laterally into said recesses and supporting said blocks, and means for supplying air to said recesses and thence discharging it into the interior of the furnace.

1,465,427. SIGNAL DEVICE FOR MOTOR VEHICLES. RALEIGH L. FRENCH, New York, N. Y. Filed Apr. 26, 1922. Serial No. 556,743. 8 Claims. (Cl. 116—46.)

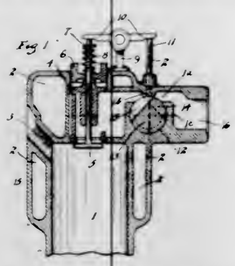


1. In a signal device, a supporting case, a central shaft journaled in the bottom wall of said case, a tubular shaft loosely surrounding said central shaft and extending above and journaled in the opposite upper wall of said case, the upper end of said central shaft extending above the said tubular shaft, a pair of signal arms fixed to the upper ends of said central and tubular shafts, and means within said casing for independently swinging said arms.

1,465,428. VALVE MECHANISM FOR EXPLOSIVE ENGINES. MICHAEL L. GALLAGHER and SIGURD BROCKSON, Hankinson, N. Dak. Filed Mar. 28, 1921. Serial No. 456,184. 2 Claims. (Cl. 123—79.)

1. A valve structure for an internal combustion engine comprising, a cylinder having a valve opening thereinto, a single reciprocating puppet valve for opening and closing said opening, a valve chamber with which said opening communicates having parallel passages leading thereinto, a shaft traversing said passages having segmental grooves

therein adapted to successively close and open said passages, said shaft also having a cam groove disposed cir-



cumferentially substantially between said grooves, and means engaging said cam groove for operating said puppet valve.

1,465,429. LIFTING DEVICE. STANLEY GASPARAITIS, Chicago, Ill. Filed Jan. 7, 1922. Serial No. 527,583. 4 Claims. (Cl. 294—47.)



1. In a device of the class described, two members, a spring fastener holding said members together and comprising a coiled portion and two portions at right angles to and contacting with said members, the axis of said coil being parallel to said last named portions.

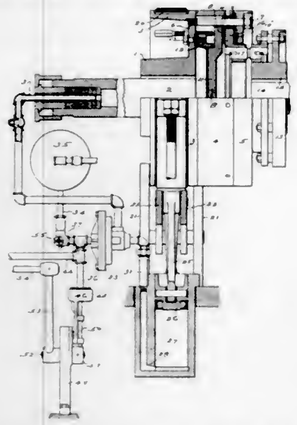
1,465,430. BARREL FASTENING. JAMES H. GEORGE, New York, N. Y. Filed May 20, 1919. Serial No. 298,412. 10 Claims. (Cl. 220—5.)



1. A barrel having a groove or depression therein, a hoop encircling the barrel and covering the groove or depression, a groove or depression in the hoop, said grooves or depressions being oppositely disposed, and removable means engaging the grooves or depressions whereby the hoop will be secured against movement longitudinally of the barrel.

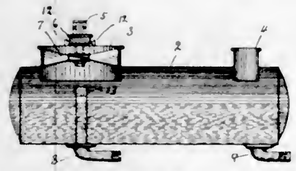
1,465,431. PNEUMATIC-CLUTCH CONTROL. WILLIAM A. GORDON, Shelton, Conn., assignor to The Birmingham Iron Foundry, Derby, Conn., a Corporation of Connecticut. Filed Dec. 20, 1922. Serial No. 607,968. 14 Claims. (Cl. 303—6.)

1. The combination with a pneumatic clutch of a control valve, a pipe connection between the clutch and one side of the control valve, a pipe connection from a source of compressed air to the other side of the control valve, a check valve in said latter connection, an outlet valve, a



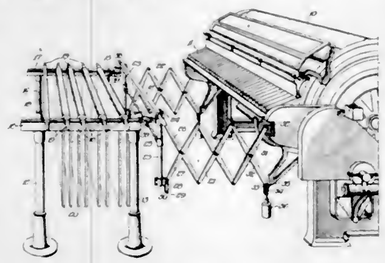
pipe connection between the outlet valve and the pipe connection from the check valve to the control valve, and means for opening the outlet valve.

1,465,432. TRACTOR WATER-COOLING DEVICE. JACOB GUTH, St. Louis, Mo. Filed June 13, 1921. Serial No. 477,332. 2 Claims. (Cl. 261—119.)



1. A cooling device having a horizontal water tank, a fan operating horizontally above the tank near one end; a casing for said fan projecting above and below the upper part of said tank; a plurality of tubular openings near the opposite end, projecting above and below the upper part of said tank; a fan to direct a current of air on the water in said tank so as to cause a draft towards the opposite end.

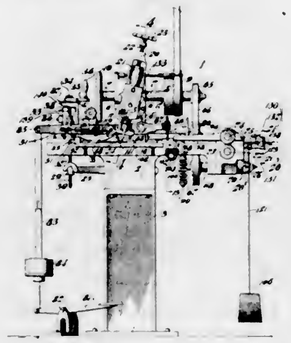
1,465,433. CLOTHES-HANDLING MECHANISM. WILLIAM R. HAGER, Chicago, Ill., assignor to Troy Laundry Machinery Co., Ltd., Chicago, Ill., a Corporation of New York. Filed Mar. 4, 1920. Serial No. 363,149. 14 Claims. (Cl. 214—1.)



1. In clothes handling mechanism for transferring clothes, the combination of a clothes storage means, means for transferring clothes from a point adjacent to said storage means to a point displaced therefrom,

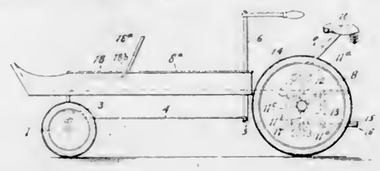
means for locking said transferring means to said storage means whereby clothes may be moved directly from the storage means onto the transferring means, and means for automatically releasing said transferring means placed in position to be operated in such direct movement.

1,465,434. FILE CUTTING MACHINE. JOHN A. HESS, Philadelphia, Pa. Filed Apr. 22, 1921. Serial No. 463,463. 26 Claims. (Cl. 76—16.)



1. In a machine of the character stated, a chisel, a carriage below said chisel, means for actuating said carriage, a roller carried by said carriage, a cam actuated by said roller, a rock shaft carrying said cam, a lever, actuated by said rock shaft, a plurality of cams, superposed on each other, connections from one of said cams to said lever, an upright bar actuated by said lever, a beam carried by said bar, means for actuating said beam, and connections from said beam to said chisel.

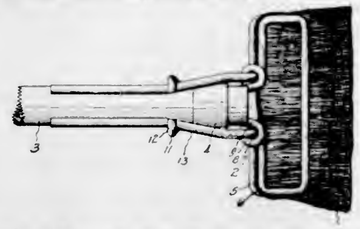
1,465,435. VELOCIPEDE. FRANK A. HIGGINS, Bellevue, Ohio. Filed Apr. 4, 1922. Serial No. 549,440. 2 Claims. (Cl. 208—113.)



1. In a velocipede, a vehicle chassis, a transverse steering axle below the front of said chassis provided with steering wheels, a pedal carrying driving shaft beneath the rear of said chassis provided with ratchet gears, driving wheels loosely mounted on said driving shaft and provided with brake drums carrying pawls, said ratchet gears on said shaft being surrounded by said brake drums and being adapted to engage said pawls when said driving shaft is moved forwardly and to release said pawls and permit coasting when said shaft is brought to a stop, a saddle above said pedal carrying driving shaft, and steering mechanism in operative proximity to said saddle operatively connected to said front steering axle.

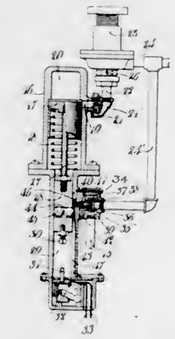
1,465,436. MOP HEAD. FREDERICK C. HOFFMAN, Hartford, Conn., assignor to Hoffman & Haynes Company, Hartford, Conn. Filed Sept. 11, 1922. Serial No. 587,269. 1 Claim. (Cl. 15—150.)

A mop head comprising two loop-like skeleton jaws, one of which has eyes, and the other of which has pivots extending through the eyes, the eyes having arms terminating in hooks, the complemental jaw having resilient latch portions extending from said pivots and which are



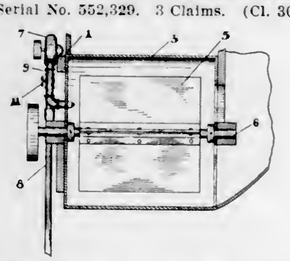
adapted to be sprung under said hooks, combined with a rod, and a band fitted around the rod and also over said arms.

1,465,437. CONTROLLING MECHANISM. FRED D. HOLDSWORTH, Claremont, N. H., assignor to Sullivan Machinery Company, a Corporation of Massachusetts. Filed July 6, 1920. Serial No. 394,297. 12 Claims. (Cl. 230—24.)



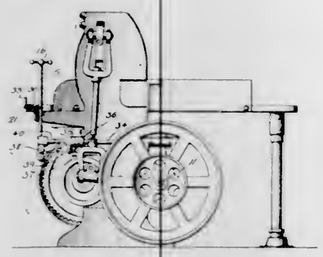
1. In a compressor controlling mechanism, in combination, compressor unloading means and a controlling valve therefor, a lever contacting therewith adjacent one end thereof and having a fixed fulcrum, and force applying means moving relatively longitudinally of said lever in consequence of compressor discharge pressure variations.

1,465,438. THRASHING-MACHINE ATTACHMENT. GORDON HOLLINGER, St. Jacobs, Canada. Filed Apr. 13, 1922. Serial No. 552,329. 3 Claims. (Cl. 302—20.)



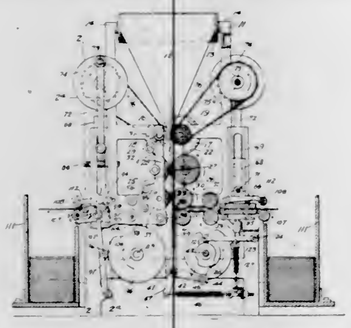
1. A thrashing machine provided with pneumatic straw stacking means including a fan, an imperforate fan casing, an inlet passage leading to the eye of the fan casing, and a discharge pipe, in combination with a water supply pipe extending through the end of the casing opposite the eye and adapted to discharge axially of the casing towards the inlet passage so that the water is discharged against the incoming straw; and means for regulating the flow of water.

1,465,439. SAFETY DEVICE OF POWER-OPERATED PAPER-TRIMMING MACHINES. CHARLES H. HORNBECK, Appleton, Wis., assignor to Kimberly-Clark Company, Neenah, Wis., a Corporation of Wisconsin. Filed Oct. 5, 1917. Serial No. 194,841. 4 Claims. (Cl. 192—131.)



1. The combination with a power operated cutter and a clutch for throwing the same into operation, of a clutch shifter, a lock therefor, said shifter being movable and independently of its clutch shifting movement, connections operable by such independent movement of the shifter for releasing said lock, a second independently releasable lock for preventing the clutch closing movement of said shifter, the latter lock comprising a pivoted arm having a hook at one end thereof adapted to interlock with the clutch shifter, a handle for moving said arm and a spring for holding said hook in engagement with the clutch shifter.

1,465,440. PAPER-FOLDING MACHINE. GEORGE S. HOUSTON, Minneapolis, Minn. Filed Mar. 24, 1921. Serial No. 455,041. 10 Claims. (Cl. 270—66.)

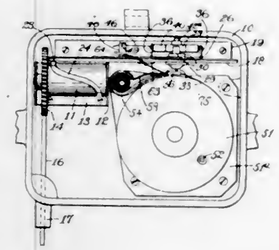


1. A paper folding machine including cooperable folding rolls initially to fold a sheet of paper, means to direct the sheet of paper between said rolls, means to receive the folded sheet, and pivotally mounted members cooperable to fold the sheet diagonally, the pivotal axis of the members being substantially parallel to the desired diagonal fold.

1,465,441. RECORDING MACHINE. JUNIUS A. HOWE, Brooklyn, N. Y., assignor to Registrar Service Corporation, New York, N. Y., a Corporation of New York. Filed Sept. 24, 1921. Serial No. 503,057. 13 Claims. (Cl. 234—1.)

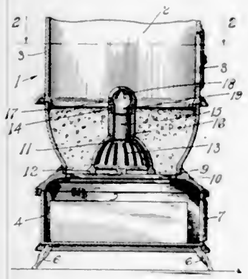
3. In a recording machine, the combination of supporting means, vibratory means pivotally connected thereto, and a slidable recording marker acted upon by said vibratory means at the pivotal axis thereof.

5. In a recording machine the combination of a continuously movable carrier, a record holder supported adjacent thereto and having a marking table extending above said carrier, a record tensioning spring carried by said holder and adapted to engage the record, and a handle member for shifting said spring out of engagement with the record and for releasably locking the spring in such position.



9. In a recording machine the combination of a record holder, a movable carrier, and record tensioning means, said holder and tensioning means having cooperating coiled portions.

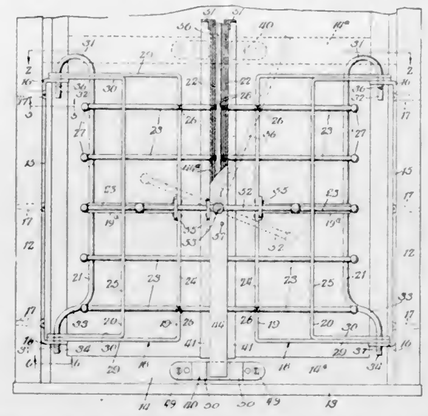
1,465,442. SLACK-BURNING STOVE AND FURNACE. ROBERT E. JONES, Evergreen, Colo. Filed Sept. 1, 1922. Serial No. 585,759. 1 Claim. (Cl. 126—163.)



A stove comprising, in combination, a combustion chamber, a grate forming the bottom thereof, an auxiliary, substantially semi-spherical grate supported on the first named grate, said auxiliary grate having a plurality of slots along its surface, means for spacing the lower edges of this auxiliary grate from the upper surface of the grate, whereby air passages are formed, an opening in the top of the spherical grate, a tubular cylindrical member having its lower end of the proper size to fit said opening, a shoulder on the tubular member for engaging the top of the auxiliary grate, the upper end of the tubular member being of greater internal diameter than the remaining part thereof, a semi-spherical cap having a cylindrical portion whose outside diameter is slightly less than the inside diameter of the upper end of the tubular portion whereby it may be secured to the tubular member, said cap having a plurality of slots through which air may flow into the combustion chamber.

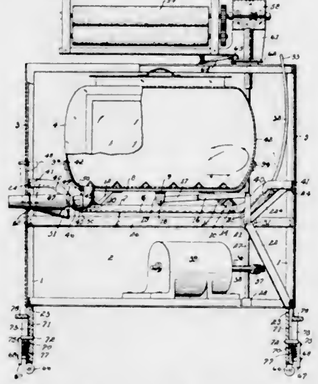
1,465,443. WINDOW GUARD. ANGELO JOSLER, Chicago, Ill., assignor of one-half to Franklin P. Smith, Chicago, Ill. Filed Mar. 23, 1922. Serial No. 546,152. 13 Claims. (Cl. 20—71.)

1. A window guard comprising, a guard member hingedly supported on a window casing to swing on a vertical axis and provided with a vertically extending lock bar at its free upright end, and a locking member



secured to the window sash and having a sliding interlocking connection with the lock bar on said guard member.

1,465,444. WASHING MACHINE. OTTO P. KOEBEL, St. Louis, Mo. Filed May 9, 1921. Serial No. 467,961. 8 Claims. (Cl. 68—21.)

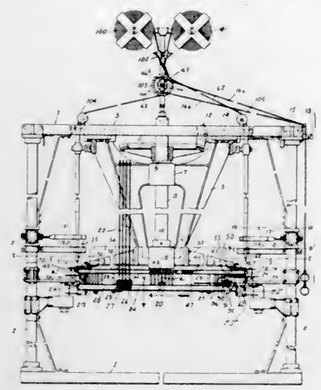


1. In a machine of the kind described, the combination of a vessel for carrying a liquid, a substantially horizontal track supporting the vessel and for guiding the same at a constant level, means for effecting a to and fro travel of the vessel along the track, and means for raising the forward end of the vessel with respect to the body of the vessel toward the end of its travel in each direction, thereby utilizing the momentum of the liquid to produce a reverberatory movement in the liquid at the forward and elevated end of the vessel.

1,465,445. REED-WEAVING MACHINE. MARSHALL B. LLOYD, Menominee, Mich., assignor, by mesne assignments, to Heywood-Wakefield Company, Boston, Mass., a Corporation of Massachusetts. Filed May 18, 1918. Serial No. 235,362. 13 Claims. (Cl. 139—14.)

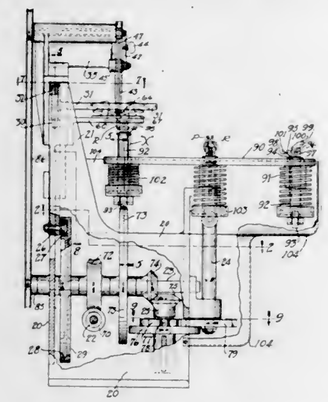
1. An apparatus for weaving reed fabric and the like having stakes and a filler strand embodying therein fabric limiting means, means for holding the stakes in weaving

relation thereto, means for forming a progressive shed of the stakes and for laying the filler strand in and out of



the shed, and means for packing the filler strand and for moving the fabric away from the fabric limiting means after it is formed.

1,465,446. AUTOMATIC GEM-SETTING MACHINE. DOMENICO LOMBARDI, East Boston, Mass. Filed Apr. 19, 1920. Serial No. 374,895. 9 Claims. (Cl. 29—10.)



1. In a device of the character described, a turntable member provided with a plurality of ring chucks, each adapted to carry a ring secured thereto, said turntable being adapted to advance said chucks in consecutive order to the setting position in the device and locking same therein during the setting operation thereof, a magazine supplied with stones adapted to feed a stone to each ring reaching said setting position; and a cluster of prong engaging triggers adapted to simultaneously engage with the prongs of said ring so supplied with the stone for bending the tips of said prongs over the stone to set same securely with said ring.

1,465,447. FLUID METER. RAY J. LYMAN, Berkeley, Calif., assignor to Great Western Meter Co., San Francisco, Calif., a Corporation of California. Filed Dec. 28, 1921. Serial No. 525,274. 4 Claims. (Cl. 73—68.)

1. A fluid meter comprising a tubular shell having an inlet and an outlet; a tubular member within said shell in spaced relation thereto, said member communicating

with said inlet and having a plurality of relatively small apertures in its walls; substantially radial partitions dividing the space between said member and said shell into

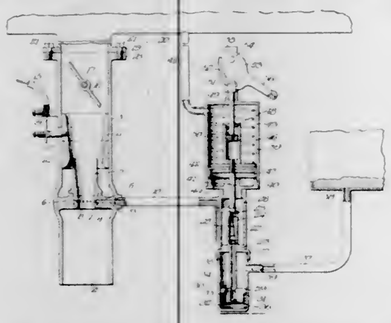


two separate fluid passages leading from said apertures to the outlet of said shell; and means for registering the amount of fluid passing through one of said passages.

1,465,448. GROUTING COMPOSITION FOR PAVING BLOCKS. JOHN F. MCCOY, New Orleans, La. Filed Dec. 7, 1920. Serial No. 428,937. 5 Claims. (Cl. 106—29.)

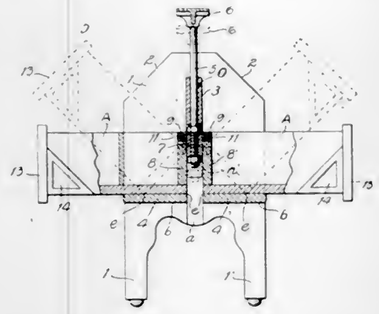
1. A grouting for block-surfaced roads having a granular filler of fibrous material and calcined magnesite combined with a binder including a solution of gum.

1,465,449. CARBURETOR. GEORGE B. MAEGLY, Kansas City, Mo., assignor to Stromberg Motor Devices Company, Chicago, Ill., a Corporation of Illinois. Filed Jan. 10, 1917. Serial No. 141,671. 6 Claims. (Cl. 261—69.)



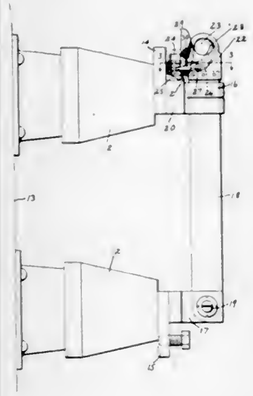
6. In combination, a carbureting chamber having air and fuel inlets and a mixture outlet, a throttle for said outlet, said outlet being adapted to be connected with an internal combustion engine, a fuel reservoir having the liquid level therein above said fuel inlet and connected with said fuel inlet, a cylinder, a piston operating in said cylinder, a cut-off valve for said fuel connection operating with said piston, a connection between said cylinder on one side of said piston and the engine side of the throttle, said piston being moved to open said cut-off valve upon creation of subatmospheric pressure on the engine side of said throttle, a needle valve for controlling said fuel connection, said needle valve operating with said piston, a secondary cylinder and means for trapping an auxiliary supply of fuel in said secondary cylinder, and a piston operating in said secondary cylinder with said first-named cylinder for pumping the trapped fuel from said secondary cylinder.

1,465,450. SHOE-SHINE STAND. PHILIP MARQUA, St. Louis, Mo. Filed July 12, 1922. Serial No. 574,434. 4 Claims. (Cl. 15—265.)



1. A shoe-shining stand comprising a pair of side members, a bridge member connecting said side members, a foot-rest projecting upwardly from said bridge member, a bar slidably mounted between said side members and connected to said foot-rest, and a pair of box sections hinged to said bar.

1,465,451. LOCKING SWITCH. RUDOLPH M. MARTENS, Boston, Mass. Filed Feb. 11, 1922. Serial No. 535,769. 2 Claims. (Cl. 200—169.)

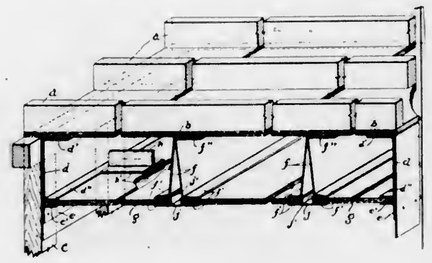


1. A device of the character described, having a pivoted switch blade, an extension projecting beyond the end of the blade in line therewith, a lever pivoted to said extension, a bolt in engagement with said lever and mounted to slide parallel with the edge of the blade, a switch jaw to cooperate with the blade, and a bolt keeper adjacent to the base of said switch jaw.

1,465,452. FIREPROOFING CONSTRUCTION FOR BUILDINGS. CLAUDE A. MATHENY, Cleveland Heights, and FRANCIS F. STEELE, Cleveland, Ohio. Filed Feb. 9, 1920. Serial No. 357,384. 8 Claims. (Cl. 188—34.)

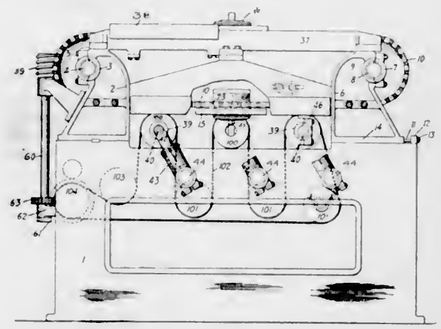
1. A cellular fire-resistant ceiling construction, comprising a continuous fire-resistant stratum, a plurality of metallic supports secured thereto in spaced parallel rela-

tion and having continuous angularly extending slide members, fire-resistant panels or sections inserted within and



laterally engaged substantially in gas-tight relation by the slide members, and means for connecting the ends of the panels, substantially as set forth.

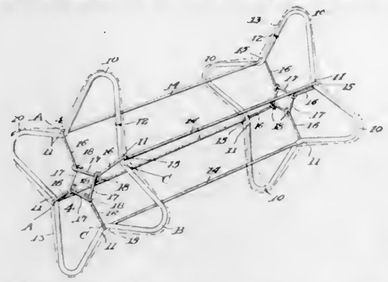
1,465,453. AUTOMATIC MILLING MACHINE. ROBERT C. NEVIN, Dayton, Ohio. Filed Jan. 28, 1920. Serial No. 354,598. 12 Claims. (Cl. 10—72.)



1. In a device of the type described, the combination with a bed, of a series of cutters rotatably mounted on said bed, an endless carrier supported for movement past said cutters, a collet carried by said endless carrier, to hold an object in a position to be milled by the cutters as the endless carrier conveys it past them, an indexing mechanism for turning said collet, and the object that it holds, to a new position before a milling operation is performed upon the latter by a succeeding cutter, and automatic means for locking said collet in its new position, and unlocking it after a cutting operation has been performed so that it may again be turned by the indexing mechanism.

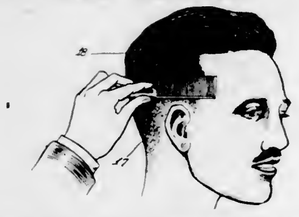
1,465,454. WIRE REEL OR STOOL. CHARLES L. NEWTON, Pueblo, Colo.; Mildred F. Newton administratrix of Charles L. Newton, deceased. Filed Sept. 29, 1921. Serial No. 504,056. 8 Claims. (Cl. 242—115.)

2. A reel comprising spaced heads, each formed of a single length of resilient rod having its ends united to form a closed frame, said rod being bent to form a substantially star shaped figure having rounded points and oppositely disposed pairs of re-entrant angles, tie-wires, extending across each head and drawing the opposite re-entrant angles toward each other, the tie-wires at one head forming a continuation of the tie wires at the opposite head



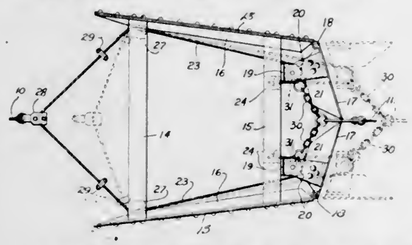
and holding said heads in spaced relation, the connecting portions of the tie wires between said heads forming the reel barrel.

1,465,455. HAIR-CUTTING DEVICE. NELLIE SPRAKER OWEN, Chicago, Ill. Filed Nov. 16, 1922. Serial No. 601,228. 7 Claims. (Cl. 132—45.)



1. A hair cutting device comprising a base having triangular shaped teeth projecting therefrom, one side of each of the teeth positioned opposite said base.

1,465,456. SCRAPER. GLENN W. PACKER, Chicago, Ill., assignor to Goodman Manufacturing Company, Chicago, Ill., a Corporation of Illinois. Filed May 19, 1921. Serial No. 470,771. 11 Claims. (Cl. 37—136.)

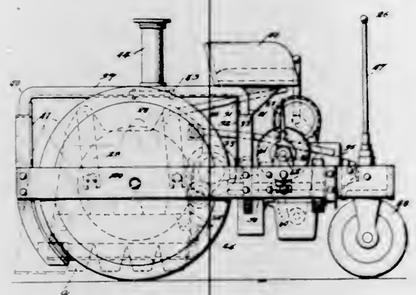


1. A scraper having side walls, two end wall portions adapted normally to form a closure for one end of said scraper, and each pivotally mounted to swing about a vertical axis into position substantially parallel with the longitudinal axis of the scraper, draft means for reciprocably moving said scraper, and means co-acting with said draft means for actuating said pivoted wall portions.

1,465,457. POWER-DRIVEN LEAD TRUCK. ADOLPH ARTHUR THIELE, Omaha, Nebr., assignor to American Smelting and Refining Company, New York, N. Y., a Corporation of New Jersey. Filed Mar. 10, 1920. Serial No. 364,853. 7 Claims. (Cl. 254—10.)

1. A truck for carrying heavy bullion and the like comprising a chassis including a pair of longitudinally extending side frames, driving wheels carried by said side

frames, a bullion handling elevator positioned within the outlines of the chassis, between the wheels and free to move upwardly to and from the ground and vertically ex-



tending links between the elevator and the side sills and means for swinging the elevator on said links to move the same vertically.

1,465,458. REPLACEMENT SHAFT AND REAR-AXLE SUPPORT FOR TRACTORS. ALEXANDER F. TOPPINS, West Allis, Wis. Filed July 20, 1922. Serial No. 576,341. 2 Claims. (Cl. 180—1.)



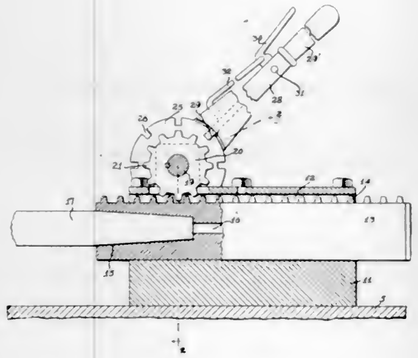
1. The combination with a chassis having a propeller shaft, of a transposed power unit including a rear axle normally comprising a worm shaft, and a shaft replacing the worm shaft of the rear axle connecting the rear axle with said propeller shaft.

1,465,459. PROCESS FOR PREPARING SIRUP. CHARLES F. WALTON, Jr., Washington, D. C., dedicated, by mesne assignments, to The People of The United States. Filed July 26, 1922. Serial No. 577,753. 1 Claim. (Cl. 27—35.) (Filed under the act of Mar. 3, 1883, 22 Stat. L., 625.)

A process for preparing sirup from a sucrose containing solution, consisting in treating said solution with invertase free from all other sucrose-attacking enzymes, to secure partial inversion of the sucrose.

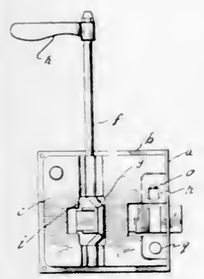
1,465,460. MACHINE FOR CUTTING KEYWAYS. JOHN ALLEMAN, Philadelphia, Pa., assignor to August Amsler, Philadelphia, Pa. Filed Jan. 18, 1921. Serial No. 438,229. 1 Claim. (Cl. 90—24.)

A device of the character described comprising a base having an enlarged portion formed on one end thereof, a passageway formed in said enlarged portion and extending therethrough, the upper wall of said passageway being formed with a cut-out portion, a tool holder slidably mounted in said passageway, a rack formed on the upper face of said tool holder and adapted to operate in said cut-out portion, a plurality of bearings formed on the top face of the enlarged portion of said base and adjacent said cut-out portion, a shaft rotatably mounted in said bearings, a gear wheel carried by said shaft and projecting through the cut-out portion in the top of the enlarged portion of



the base and into engagement with the rack formed on the tool holder, and means comprising a ratchet mechanism secured to said shaft and adapted to operate the gear to move the tool holder longitudinally of the opening in the enlarged portion of the base.

1,465,461. ROTARY-SPINDLE LOCK. ANDREW CHRISTIAN ANDERSEN, Detroit, Mich., assignor to Ternstedt Manufacturing Company, Detroit, Mich., a Corporation of Michigan. Filed Dec. 17, 1921. Serial No. 522,986. 10 Claims. (Cl. 292—169.)

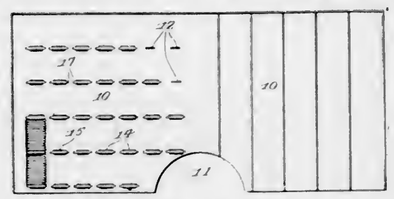


1. In a rotary vertical spindle lock, the combination of a case, a vertical rotary spindle journaled in the case and having a crank throw portion, and a sliding bolt reciprocated by said crank throw portion and comprising a body in the form of a stamping, and a chair in the form of a stamping which is secured to the body and is arranged to act as a roll-back abutment to be engaged by said crank throw.

1,465,462. CIGAR-ASSORTING DEVICE. CHRISTIAN F. BREMER, Tampa, Fla. Filed Dec. 8, 1921. Serial No. 521,065. 5 Claims. (Cl. 131—48.)

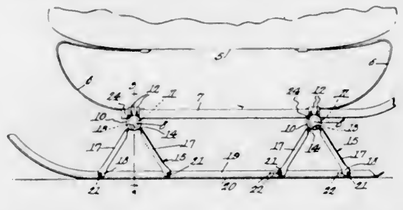
5. In a cigar sorting device a tray having its bottom formed with a plurality of series of elongated slots and cigar sample holders comprising vertical flat stems and

cigar sample clamping jaws on the upper end thereof, the jaws being arranged to rest on the uppermost cigar of a



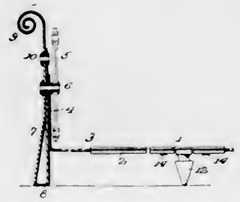
stack placed behind a stem, the stem being arranged to perform the function of a retaining wall for the cigar stack.

1,465,463. RUNNER ATTACHMENT. JOSEPH DE LOTTO, Cleveland, Ohio. Filed Oct. 31, 1922. Serial No. 598,169. 2 Claims. (Cl. 280—14.)



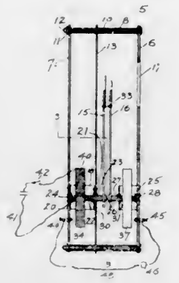
1. A runner attachment for baby carriages or the like, comprising a runner having a longitudinal reinforcing flange, inverted approximately V-shaped brackets, each bracket being formed of sheet metal and having an upper transverse portion and downwardly diverging legs, said legs being substantially V-shaped in cross-section and provided at their lower ends with apertured ears adapted to be arranged upon opposite sides of the reinforcing flange of the runner, bolts passing through the apertured ears and the flange, and substantially U-shaped resilient sockets having their upper ends open and their transverse bottoms arranged upon the upper transverse portions of said brackets and riveted thereto, tubular hub members adapted for insertion within the U-shaped sockets by a downward movement with relation thereto, and means to draw the sides of each U-shaped socket inwardly toward each other.

1,465,464. CASSEROLE HOLDER. JOSEPHINE M. DILLMEIER, New York, N. Y. Filed Dec. 9, 1920. Serial No. 429,368. Renewed Jan. 12, 1923. 3 Claims. (Cl. 65—61.)



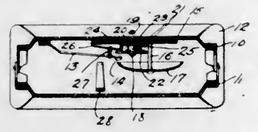
1. A casserole holder comprising a central base, a flexible side frame, horizontally extensible bars radiating from said base and terminating at their outer extremities in upward extending right angular arms, supporting feet adjacent said arms comprising bars bent back upon themselves to form flat bases and having their upper ends forming handles, and pins passing through said side frame, said arms and said feet.

1,465,465. CIRCUIT CLOSER. JOHN J. DUFFIE, Berkeley, Calif., assignor to Government of the United States. Filed July 9, 1918, Serial No. 244,092. Renewed Jan. 11, 1922. Serial No. 528,588. 12 Claims. (Cl. 200—56.)



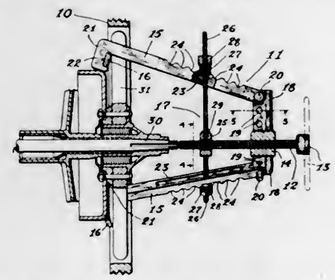
1. In an electric circuit closer, in combination, contact carrying members, thermostatic coils for moving said contact carrying members, and electrical means associated with one of said coils for causing a relative movement of said contact carrying members.

1,465,466. ALARM FOR POCKETBOOKS, ETC. GLADYS M. EDWARDS, Sacramento, Calif. Filed Sept. 14, 1922. Serial No. 588,199. 3 Claims. (Cl. 116—99.)



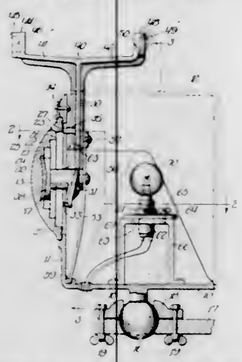
3. The combination with a pocket-book frame, of an alarm comprising a bell mounted on the frame, a striker mounted on the frame and arranged to engage with the bell, a motor spring associated with the striker and having a plurality of projections adjacent one end, means on the frame and operable upon opening movement of the pocket-book to actuate the striker to engage the bell once, and means connected with the striker and engaged by said projections for actuating the striker to engage the bell a number of times in succession.

1,465,467. WHEEL PULLER. WALLACE C. ERICKSON and HORACE L. CONRAD, Seattle, Wash. Filed Nov. 29, 1921. Serial No. 518,506. 2 Claims. (Cl. 29—85.)



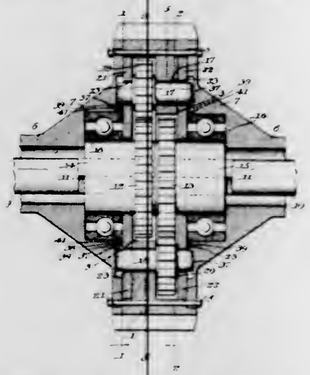
1. An anti-spreading mechanism for the gripping arms of a wheel puller comprising a spindle an axially movable collar threadably disposed within said spindle, a plurality of radially disposed threaded stems extending outwardly from said collar and adjusting means threadably disposed upon said stems adapted to restrainingly engage said gripping arms against outward movement from a predetermined selected position.

1,465,468. LIGHT PROJECTION. JOHN M. FITZ GERALD, River Forest, Ill. Filed Nov. 21, 1921. Serial No. 516,771. 6 Claims. (Cl. 88—14.)



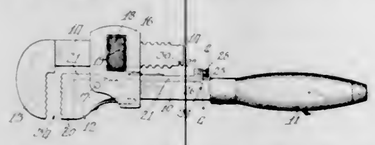
1. A sighting device having means adapting it to be held upon a surface of a lens having an optical axis, and having means for defining a line of vision substantially parallel to the optical axis of the lens when the sighting device is normally held upon a surface of the lens.

1,465,469. DIFFERENTIAL GEARING. DANIEL A. FLYNN, Mechanicsville, N. Y. Filed July 12, 1922. Serial No. 574,384. 10 Claims. (Cl. 74—7.)



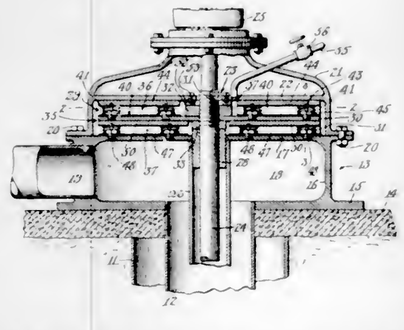
1. In a differential gearing, the combination with a master gear, of dog gears carried by, and bodily movable in relation to, the master gear, pairs of dogs carried by the master gear, the members of each pair being adapted to independently cooperate with a given dog gear, and independent axle gears respectively meshing with the dog gears aforesaid.

1,465,470. WRENCH. ALBERT GLOOR, Chicago, Ill. Filed June 29, 1922. Serial No. 571,710. 3 Claims. (Cl. 81—180.)



1. In a wrench, the combination of a shank having a relatively fixed jaw, a relatively movable jaw adjustably mounted on said shank to move from and toward said relatively fixed jaw, said movable jaw having an adjusting stem extending substantially parallel with said shank, an auxiliary jaw intermediate said other two jaws, said auxiliary jaw having a stem slidably mounted on said shank whereby said auxiliary jaw may be moved to provide a space between it and each of said other two jaws alternately for the reception of objects to be held, and holding means carried by the auxiliary jaw stem and cooperating holding means carried by said adjusting stem for holding said two stems together for simultaneous movement when the jaw having the adjusting stem is moved.

1,465,471. FLUID-PRESSURE DEVICE. HARLAND B. GRAHAM, San Jose, Calif. Filed Nov. 17, 1919. Serial No. 338,766. 9 Claims. (Cl. 286—9.)



3. A fluid pressure sealing device comprising a casing having a chamber therein containing fluid, a disk in said chamber dividing the chamber into an upper portion and a lower portion having a connecting passage, and blade means mounted on the upper side of said disk extending into engagement with the walls of the chamber for whirling the fluid in the upper portion of the chamber.

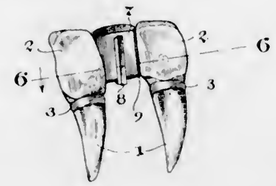
4. A fluid pressure sealing device comprising a casing having a chamber therein containing fluid, a horizontally disposed disk in said chamber dividing the chamber into an upper portion and a lower portion having a connecting passage, radially disposed means on the upper face of said disk in said chamber engaging said disk for whirling the fluid in the upper portion of the chamber, and means for preventing whirling movement of the fluid in the lower portion of the chamber.

1,465,472. METHOD OF MAKING CROWNS AND FORMS THEREFOR. THOMAS C. HANSEN, Caney, Kans. Filed Apr. 6, 1922. Serial No. 550,154. 7 Claims. (Cl. 22—196.)



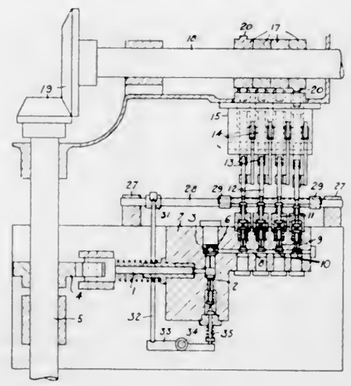
7. A process of forming crowns for teeth including fitting a metallic band to the prepared root, applying a hollow form of volatile material to the band, inserting the pattern thus formed in a mold, pouring in the molding material, heating the mold to volatilize the hollow form, and filling the mold cavity with material to form the crown.

1,465,473. MEANS FOR MOLDING BACKINGS FOR ARTIFICIAL TEETH. THOMAS C. HANSEN, Caney, Kans. Filed July 12, 1922. Serial No. 574,465. 3 Claims. (Cl. 32—12.)



3. The method of forming a solid gold bridge which includes preparing crown forms for the adjacent teeth, securing a hydrocarbon backing form between the crown forms, inserting the bridge pattern in a mold, pouring in the molding material, heating the mold to volatilize the pattern, and pouring in molten metal.

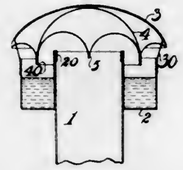
1,465,474. FUEL PUMP FOR INTERNAL-COMBUSTION ENGINES. KNUT JONAS ELIAS HESSELMAN, Saltsjo-Storangen, Swsiden. Filed Oct. 2, 1922. Serial No. 591,947. 3 Claims. (Cl. 123—140.)



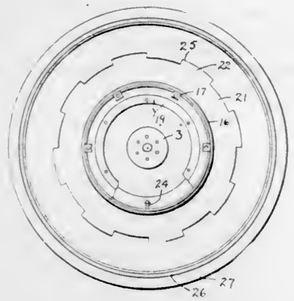
1. A fuel pump arrangement for multi-cylinder internal combustion engines, comprising in combination a single plunger to supply oil to all of the cylinders of the engine, a common suction valve, one distributing valve individual to each of the cylinders and connected to the discharge side of the pump, mechanical means to control said suction valve, mechanical means to independently control the said distributing valves, and adjustable means for each of said distributing valves to operate said two first-mentioned means in order to open said suction valve and close the respective distributing valve.

1,465,475. DRAFT-CONTROLLING DEVICE. FREDERICK T. HOPE, Seattle, Wash., assignor of one-sixth to Paul Iseman, one-sixth to George A. Meagher, and one-sixth to J. A. Caldwell, all of Seattle, Wash. Filed Dec. 12, 1921. Serial No. 521,792. 3 Claims. (Cl. 110—147.)

3. A draft controller for stacks comprising a water tank surrounding the stack, an inverted hood covering the stack and having its edges depending into the tank, said hood being composed of separate plates secured together to enclose heat insulating air layers between them, and water supply and discharge pipes for the tank, the latter pipe having a vertically adjustable intake.

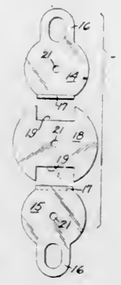


1,465,476. RESILIENT VEHICLE WHEEL. FLOYD C. LANE, Houston, Tex. Filed Mar. 26, 1923. Serial No. 627,772. 4 Claims. (Cl. 152—35.)



1. In a vehicle wheel the combination of a hub, two spaced plates secured thereto, a permanent rim formed on one of said plates spaced inwardly from their outer edges, a detachable rim on said permanent rim, a pneumatic tire thereon, a solid felly outside said tire and secured non-rotatably thereon, said plates forming a housing for said tire and adapted to fit slidably against said felly.

1,465,477. SPRINKLER HEAD. OSWALD J. LUBBOCK, Alameda, Calif. Filed Nov. 3, 1921. Serial No. 512,457. 3 Claims. (Cl. 169—39.)



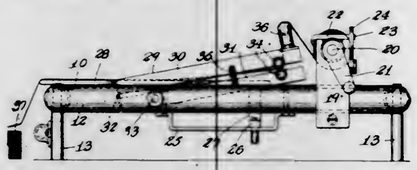
1. A link for a sprinkler head comprising a pair of plates, each plate having a flanged end, a flat compression block interposed between said plates and having opposite edges engaged by said flanged ends, and a fusible rivet extending thru said plates and block.

1,465,478. ELECTRIC HEATING PLATE. ALFRED NIELSEN, Hovik, near Christiania, Norway. Filed Sept. 6, 1922. Serial No. 586,507. 4 Claims. (Cl. 219—37.)



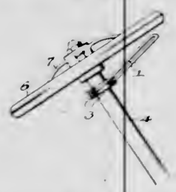
1. An electric heater comprising a bare heating wire, an insulating support for the latter arranged to form spaces between portions of the wire, and a cover plate mounted above the latter and having openings corresponding to said spaces.

1,465,479. CLOTH-WINDING MACHINE. VALENTINE OLB, Weehawken, N. J. Filed July 15, 1922. Serial No. 575,243. 9 Claims. (Cl. 242—62.)



4. A fabric winding machine of the class described comprising a suitable frame, a shaft rotatably and detachably mounted in the frame and on which the fabric is adapted to be wound, a fabric guide member pivotally mounted in the frame, said member being composed of separate parts hinged together, the separate parts of said member being provided with rods adapted to cooperate one with the other and between which the fabric to be wound is adapted to be passed, tensional means for holding the separate parts of said member or the rods thereof together, one part of said guide member being provided with means over which the fabric is adapted to pass, for holding said fabric in predetermined position, and a table member movably mounted in said frame.

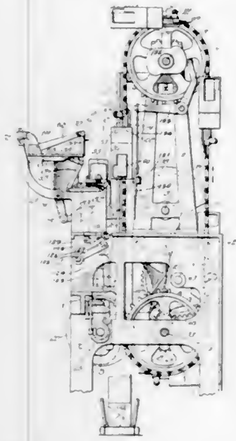
1,465,480. MOTOR-VEHICLE CONTROL. CHARLES S. ORTON, North Tonawanda, N. Y. Filed June 17, 1922. Serial No. 569,040. 4 Claims. (Cl. 74—33.)



1. The combination with the steering wheel of a motor vehicle, of means secured in the region of the central part of said wheel which is stationary in relation to said steering wheel, and has a free part located adjacent the rim of said wheel so that it may be grasped with the steering wheel by the hand of the driver for the purpose of preventing accidental turning of the steering wheel.

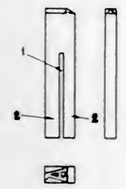
1,465,481. PACKAGING APPARATUS. FRANK M. PETERS and WARREN H. HUNGERFORD, Chicago, Ill., assignors to Peters Machinery Company, Chicago, Ill., a Corporation of Illinois. Filed July 6, 1920. Serial No. 394,117. 10 Claims. (Cl. 93—3.)

1. In a device of the class described, the combination of a forming head having a compartment therein, carton folding mechanism for forming a carton on the head, and means operable prior to the formation of the carton



to lock a charge of material in the compartment and operable after the formation of the carton to release said charge of material.

1,465,482. TYPESETTING MACHINE. OREST PUSINO, Helsingfors, Finland. Filed Dec. 22, 1921. Serial No. 524,068. 6 Claims. (Cl. 276—15.)



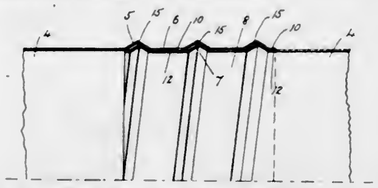
1. Apparatus for composing printing type having longitudinal parallel slots of rectangular cross section comprising a series of rules serving as magazines for the type, lugs formed on the edges of the rules for retaining the type thereon; means for liberating the type one by one in the required order and means for transferring the liberated type to a common collecting rule.

1,465,483. CHAIN FOR ENDLESS TRACKS FOR VEHICLES. GEORGE JOHN RACKHAM, London, England, assignor to Roadless Traction, Limited, London, England. Filed Mar. 17, 1923. Serial No. 625,750. 7 Claims. (Cl. 74—32.)



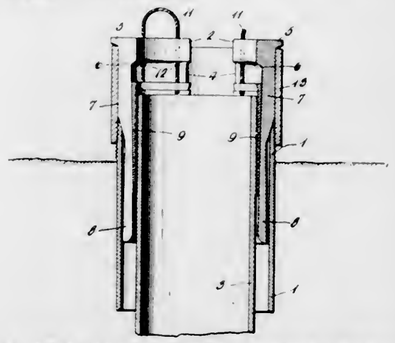
1. A chain for endless track vehicles, comprising a series of links having hollow lugs and ears connected by pins extending through the lugs and ears and surrounded by floating bushes located between the pin and lugs and pressed apart by springs which force the bushes towards the inner faces of the ears.

1,465,484. WELL-CASING PIPE. ALEXANDER RICHTER, Holyrood, Kans. Filed Apr. 8, 1922. Serial No. 550,812. 2 Claims. (Cl. 285—158.)



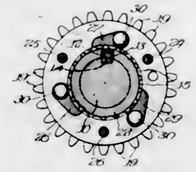
1. A pipe formed of similar sheet metal sections having similarly-projecting angular screw threads pressed up on their end portions and adapted to connect them together, said sections having, between the bottoms of their screw threads, peripheral portions which are in contact, and the screw thread on one section being wider and deeper than the screw thread on the section with which it engages, said screw threads being in contact on one side only when the sections are screwed up and extending to the ends of the pipes to permit them to be screwed and unscrewed.

1,465,485. CASING CLAMP. THOMAS E. ROBINSON, Tulsa, Okla. Filed Sept. 9, 1922. Serial No. 587,117. 4 Claims. (Cl. 24—263.)



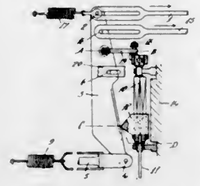
1. A casing clamp for oil wells, comprising a segmental plate serrated for engagement with a well casing, a wedge member adapted for insertion within a support, said member being provided with apertures, and a handle for said segmental plate comprising a loop passed through said apertures and secured in said plate.

1,465,486. FEED PINION. WILLIAM SANDIFORD, Joliet, Ill. Filed June 3, 1921. Serial No. 474,675. 2 Claims. (Cl. 192—44.)



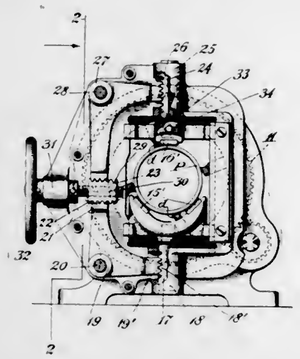
1. A reversible feed pinion comprising in combination a bushing having a series of longitudinally extending corrugations at one of its ends, means adapted to detachably secure the said bushing upon a shaft, a pinion rotatably mounted upon said bushing, a collar secured to said pinion having diagonally extending recesses therein and a plurality of movably mounted balls in said recesses adapted to engage the said bushing when the pinion is rotated in one direction only.

1,465,487. BRAKING APPARATUS. ALFRED SCHEUER, Vienna, and HUGO SCHEUER, Retz, Austria, assignors to Handel Maatschappij H. Albert De Bary & Coy, Amsterdam, Holland, a Dutch Company. Filed Aug. 27, 1921. Serial No. 495,911. 17 Claims. (Cl. 188—195.)



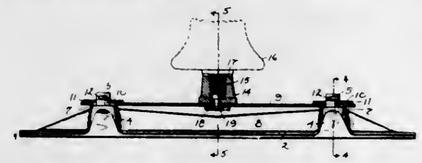
5. Braking apparatus comprising a spring controlled brake lever, and a rotatable eccentric which is movable into and out of contact with the lever at a point intermediate of its ends and operates as a fulcrum therefor, and is movable transversely of its axis of rotation.

1,465,488. PIPE-THREADING MACHINE. CHARLES F. SCHMELZ, Bridgeport, Conn. Filed Dec. 15, 1919. Serial No. 344,971. 3 Claims. (Cl. 10—107.)



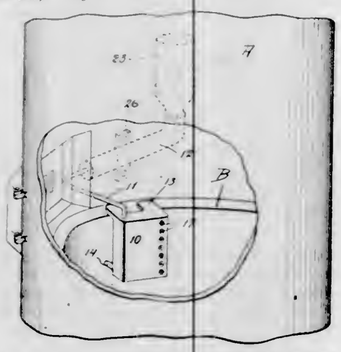
2. The combination, with a pair of oppositely-movable jaws, each having a stem provided with rack-teeth, of a pair of angle levers, each having one arm in engagement with said rack-teeth respectively, and each having its other arm provided with segmental teeth, a slide block having rack teeth in engagement with said segmental teeth, and means for positively moving said block in either direction.

1,465,489. SPRING TROLLEY EAR AND HANGER. JAMES SCOTT, Cleveland, Ohio. Filed Aug. 4, 1922. Serial No. 579,686. 5 Claims. (Cl. 191—40.)



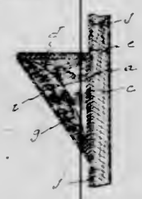
1. A trolley-wire hanger, comprising an elongated body having trolley wire gripping means at its bottom and a pair of spaced projections at its top, and a flat spring detachably connected with said projections having a supporting member at its middle.

1,465,490. SUPERHEATER ATTACHMENT FOR FURNACES. GEORGE F. SEITZ, Philadelphia, Pa. Filed Nov. 21, 1921. Serial No. 516,826. 5 Claims. (Cl. 110—60.)



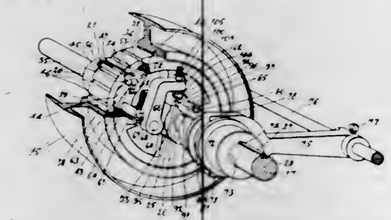
1. A furnace attachment comprising a superheater located within the fire box of a furnace and formed with a serpentine passage and a plurality of perforations communicating with the passage, a pipe leading into said passage and leading through one side of the furnace, and means for supplying water and air alone or together through said pipe into the superheater.

1,465,491. ARMREST FOR CLOSED BODIES. ALBERT W. SMITH, Detroit, Mich., assignor to Fisher Body Corporation, Detroit, Mich., a Corporation of New York. Filed Apr. 17, 1922. Serial No. 554,137. 9 Claims. (Cl. 296—1.)



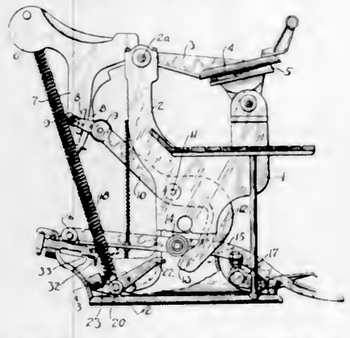
6. In a vehicle body, the combination of an arm rest board, and an arm rest secured thereto and comprising a block of distortable material having a recess to leave a pliable top wall and yieldable stuffing in said recess.

1,465,492. FRICTION CLUTCH. HARVEY A. SMITH, WILLIAM LE GENDRE, and BENJAMIN HARBISON, Cincinnati, Ohio; said Smith assignor to said Le Gendre. Filed Jan. 24, 1921. Serial No. 439,592. 6 Claims. (Cl. 192—78.)



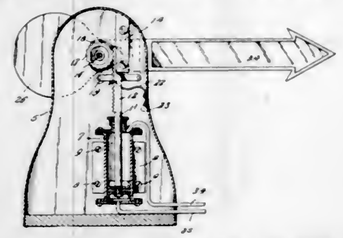
1. In a friction clutch, a friction ring, the said friction ring being severed at a point on its circumference by a slot, machined friction pads on the outside of said ring, non-machined rough grooves between said pads, machined pads on the inner surface of said ring, and non-machined rough surfaces between said pads on the inner surface of said ring, whereby the natural resiliency is retained.

1,465,493. CUSHIONING DEVICE FOR PRESSING MACHINES. ARTHUR E. SNOW, Norwood Station, Cincinnati, Ohio, assignor to The American Laundry Machinery Company, Norwood Station, Ohio, a Corporation of Ohio. Filed Apr. 10, 1920. Serial No. 372,772. 7 Claims. (Cl. 68—9.)



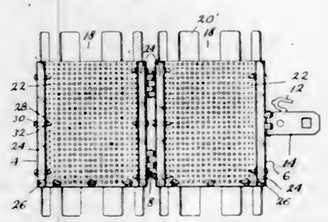
2. A garment press, comprising pressing members, a swinging lever for actuating the same, and a yielding pivoted cushioning device having a portion lying in the path of movement of said lever to cushion the blow when the parts move to open the press.

1,465,494. VEHICLE DIRECTION INDICATOR. HOWARD W. SPUNG, Marietta, Ohio. Filed Mar. 16, 1923. Serial No. 625,528. 4 Claims. (Cl. 116—39.)



1. In a direction indicator of the class described, a fixed support, an indicating arm pivoted to the support, means for maintaining the arm in a normal vertical upwardly swung position, and suction controlled means for swinging said arm downwardly in opposite directions from its normal vertical position.

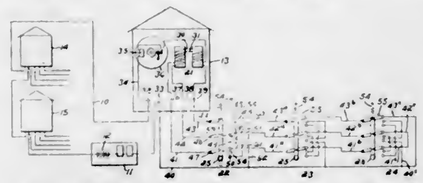
1,465,495. COMBINATION NUT LOCK AND PISTON-ROD LUBRICATOR. WILLIAM H. STONE, Kansas City, Mo. Filed Sept. 4, 1920. Serial No. 408,238. 2 Claims. (Cl. 286—13.)



1. A device of the character described consisting of a vertically disposed cylindrical shell adapted to be opened for placement around a piston rod, means for securing said shell in closed position around the piston rod, a vertically-disposed cylindrical screen fixed within said shell and arranged to open and close therewith, said screen being spaced from the shell to leave a dust-proof chamber for a lubricant adapted to pass through the screen and lubricate the piston rod, and means projecting inwardly from the device for holding absorbent material between the screen and the piston rod to distribute the lubricant over the latter.

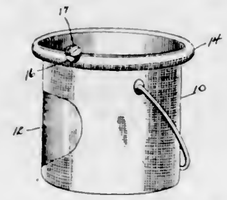
2. A device of the character described consisting of a vertically disposed cylindrical shell made in sections, hinges connecting said sections so that the shell may be opened and closed, a vertically-disposed cylindrical screen fixed within the shell to open and close therewith; said screen being spaced from the shell to leave a dust proof lubricant chamber, means for securing the shell in closed position, and integral extensions at the upper and lower ends of the shell, for the purpose described.

1,465,496. FIRE-ALARM SYSTEM. NATHAN H. SUREN, Needham, Mass., assignor to The Gamewell Fire Alarm Telegraph Company, Newton Upper Falls, Mass., a Corporation of New York. Filed July 11, 1919. Serial No. 310,159. 10 Claims. (Cl. 177—369.)



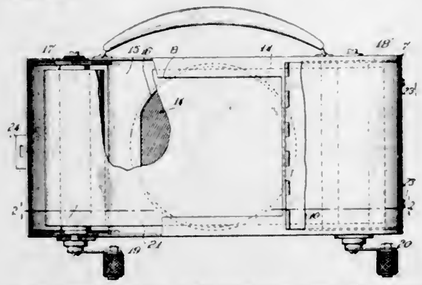
1. In a fire alarm system a main line circuit having a central station and one or more main line signalling boxes, each with a box starting attachment and a magnet having differential windings for actuating said attachment, an auxiliary line with one or more signalling stations having circuit changing devices for controlling the box starting attachment through said magnet, said auxiliary line normally having a current therein and comprising a plurality of loops in series with the main line and each other and in series with said differential magnet windings and normally connected at said auxiliary signalling stations to place said windings in opposition thereby rendering said magnet ineffective to start said box, either in the normal position of said circuit changing devices or in the event of a break in said auxiliary circuit, said circuit changing devices, however, being effective when moved to one position at any auxiliary station to so connect said loops as to change the direction of current through one of said differential windings, adding the magnetizing effect of one to the other, thereby actuating said box starting attachment and transmitting the box signal to said central station.

1,465,497. COOLING DEVICE. JOHN L. TANDY, Kansas City, Mo. Filed Aug. 24, 1921. Serial No. 495,140. 3 Claims. (Cl. 62—90.)



1. A portable cooling device comprising a casing composed of fabric material adapted to receive the article or articles to be cooled, a part of the fabric material composing said casing being formed as a closed water chamber adapted to receive a supply of water and feed the same gradually to the remainder of said material.

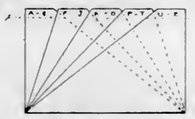
1,465,498. METHOD OF AND APPARATUS FOR REGISTERING THE TIME WHEN RECORD ENTRIES ARE MADE. HARRY L. THOMSON, Hartford, Conn. Filed Dec. 31, 1920. Serial No. 434,199. 13 Claims. (Cl. 234—44.)



5. An apparatus for registering the time when record entries are made comprising chronometrically controlled means operated by the act of making a record on a record sheet to impress on said sheet and incorporate in the record a time indicating character.

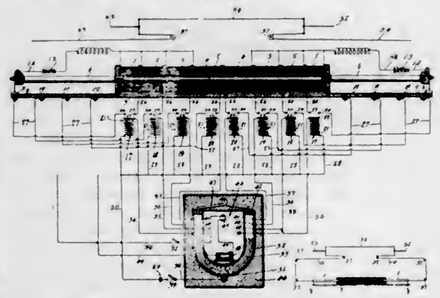
6. An apparatus for registering the time when record entries are made comprising chronometrically controlled means adapted to be associated with a record sheet and to cooperate with a record making instrument while the time is making a record on such sheet to integrally incorporate in the matter so recorded marks indicative of the time when such record is made.

1,465,499. GUIDE CARD FOR CARD INDEXES. HENRY C. THOMSON, West Roxbury, Mass. Filed Mar. 7, 1921. Serial No. 450,315. 6 Claims. (Cl. 129—16.5.)



6. Guide cards for card indexes, each having a base portion substantially equal to the width of the card units comprising the index, each of said guide cards having one of its lateral edges inclined at an angle to the base, the inclination of the said edges with respect to the base differing on the said guide cards whereby to laterally displace the upper or tab edges of the various guide cards with respect to each other.

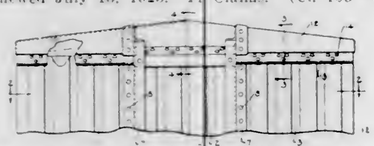
1,465,500. AUTOMATIC STABILIZER FOR AIRCRAFT AND THE LIKE. ARLYN T. VANCE, Los Angeles, Calif., assignor of one-half to Frederick John Abbott, Los Angeles, Calif. Filed May 2, 1921. Serial No. 466,271. 5 Claims. (Cl. 244—29.)



1. In an automatic stabilizer, the combination of a vessel, a liquid partly filling the vessel, electric contacts

at different levels in the vessel above the surface of the liquid when the vessel is in normal position, a contact below the surface of the liquid in the vessel when the vessel is in normal position, a series of solenoids of graduated strength, means whereby successive energization of the respective solenoids from weaker to stronger is effected when the vessel is tilted to lower the first contacts into the liquid, and an armature adapted to be attracted successively by the solenoids as they are energized.

1,465,501. METAL CAR END. WILLIAM E. VAN DORN, Chicago, Ill. Filed Nov. 15, 1920, Serial No. 424,035. Renewed July 13, 1923. 11 Claims. (Cl. 105—410.)



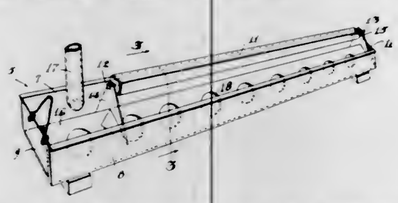
2. A sheet metal car end having vertical corrugations, the upper ends of certain of the corrugations being flattened so as to lie in a transverse plane making an obtuse angle at the top of the sheet with the plane of the sheet, and a plate lying upon and secured to said flattened ends.

1,465,502. AIR-FEEDING ATTACHMENT FOR FURNACES. HARRY W. WEAVER, Allentown, Pa. Filed Feb. 24, 1922. Serial No. 539,005. 1 Claim. (Cl. 110—75.)



An air feeding device for furnace doors comprising an externally threaded pipe extending thru said door, the outer part of the pipe having air inlet openings in the side walls thereof, a screw plug in the outer end of the pipe, adjustable to open or close said openings, a funnel shaped air collector screwed on the outside of the pipe, between said openings and the door, nuts on the pipe, clamping the same to the door, an outer perforated chamber having screw threaded engagement on the pipe, inside the door, and an inner perforated chamber, also screwed on the inner end of said pipe, inside of said outer chamber.

1,465,503. POULTRY DRINKING FOUNTAIN. OLIVER C. WHITE, Gardena, Calif. Filed Mar. 4, 1922. Serial No. 541,046. 1 Claim. (Cl. 119—72.)



A poultry drinking fountain comprising a trough having bottom side and end walls, an inverted V-shaped base fitting the bottom of the trough and having a row of circular apertures in each inclined side, standards mounted on the base, and a rectangular bar rotatably mounted in the standards; the rotary bar being so close to the ridge of the base that chicks cannot roost on the base and close enough to the edges of the trough to crowd the chicks attempting to roost on the trough, and the bar being so easily rotatable that a chick cannot roost on the bar.

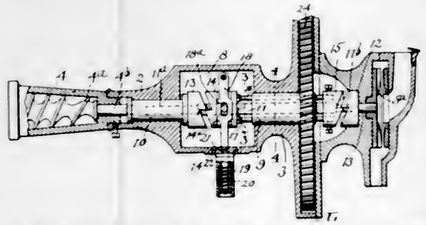
1,465,504. RUBBER FOOTWEAR. WILLIAM B. WIEGAND, Montreal, Quebec, Canada. Filed Nov. 20, 1922. Serial No. 602,318. 5 Claims. (Cl. 36—4.)



1. An article of footwear including sole and upper portions and consisting of an outer layer of comparatively soft rubber, and an inner layer consisting of rubber compound of relatively less elastic quality.

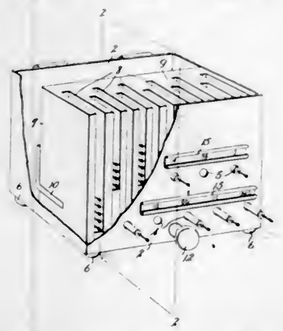
5. An article of footwear consisting of a layer or layers of relatively soft rubber in contact with a layer of relatively less elastic rubber compound, containing as an essential ingredient between fifty (50) and one hundred (100) parts by weight of finely divided carbon to each one hundred (100) parts by weight of crude rubber in the compound.

1,465,505. DRIVING MECHANISM FOR COMBINED COFFEE GRINDERS AND MEAT CHOPPERS. LOUIS ZOERGIEBEL, Cleveland, Ohio, assignor to The Cleveland Electric Machine and Manufacturing Company, Cleveland, Ohio, a Corporation of Ohio. Filed July 14, 1919. Serial No. 310,656. 7 Claims. (Cl. 192—48.)



1. The combination of a rotatable sleeve, a journal in which said sleeve is mounted, means for rotating the sleeve, a shaft extending through said sleeve connected with the sleeve so as to turn therewith, a plurality of slidable clutch elements mounted to slide upon the shaft and turn therewith, a driven instrumentality located adjacent each end of the sleeve, a clutch element associated with each instrumentality and means for shifting said slidable clutch elements.

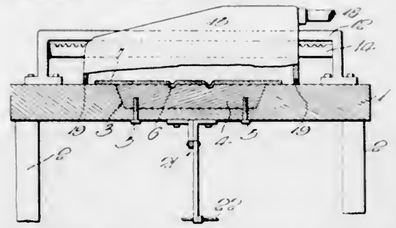
1,465,506. DRILL-HOLDING MAGAZINE. WALTER ALLWARD, Vancouver, Canada. Filed July 5, 1922. Serial No. 572,971. 5 Claims. (Cl. 211—8.)



1. A magazine for small drills and like instruments having a plurality of vertically positioned receptacles, the bottom of such receptacles constituting a support for

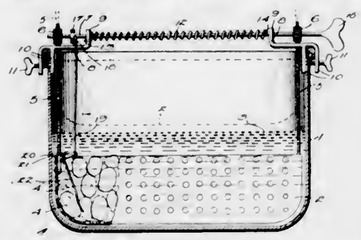
holding the drills placed therein in substantially horizontal position, one above the other, the base of one series of receptacles being in a plane below the base of the other series of receptacles, the magazine including a front wall having a plurality of rows of apertures, one row of said apertures aligning with the base of one of the series of receptacles and the other row of said apertures aligning with the other series of receptacles, and means for simultaneously projecting one end of the bottom drills in each series of drill holding receptacles endwise from their respective receptacles.

1,465,507. METHOD AND MACHINE FOR CONSTRUCTING EMBOSSED GLASS PLATE. HARRY F. ANDERSON, Marion, Ind. Filed Oct. 3, 1921. Serial No. 505,066. 2 Claims. (Cl. 49—33.)



1. The herein described method of forming an embossed sheet of glass consisting in placing a pallet upon a die, forming soft glass into a thin sheet upon said pallet, drawing said pallet from beneath the sheet of hot glass to allow the sheet of glass to settle upon the die while still hot and in a workable condition, immediately placing a hood over the sheet of glass, and forcing fluid under pressure into said hood to cause the sheet to conform in shape to the die.

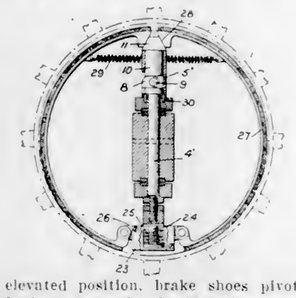
1,465,508. ATTACHMENT FOR COOKING VESSELS. GEORGE L. CARPENTER, Gladstone, Mich. Filed Mar. 30, 1922. Serial No. 548,215. 5 Claims. (Cl. 53—1.)



1. An attachment for cooking vessels, comprising a perforated container adapted to be arranged in the bottom of the vessel and contain vegetables to be cooked, means for raising said container, and means controlled by the vegetables when in their normal uncooked condition to retain said raising means in inoperative position and to permit operation of said raising means when the vegetables are cooked.

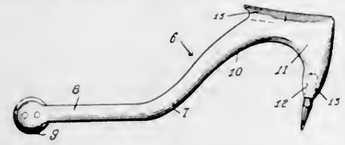
1,465,509. BRAKE. STUART H. CLAPP, Camp Meade, Md. Filed Nov. 10, 1922. Serial No. 600,103. 4 Claims. (Cl. 188—194.)

1. The combination with a vehicle, including chassis side bars, a steering wheel, and steering knuckle, of a brake drum on the steering wheel, the rim of the drum intersecting the axis of oscillation of the steering knuckle, a pintle for the steering knuckle, an enlarged head on the pintle provided with a recess, an axially disposed bore communicating with the recess and a bore at right angles to the axially disposed bore, a plunger in the axially disposed bore formed with an offset wedge shaped head, a rod extending through the second bore, a cam on the rod positioned in the recess and operable to reciprocate the plunger, a cross head hung from the lower end of the pintle, yielding means in the cross head for retaining the



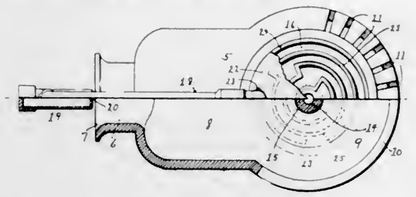
head in elevated position, brake shoes pivoted to the cross head, the upper ends of said brake shoes formed to receive the wedge shaped head of the plunger and means for rocking the rod and cam to reciprocate the plunger and force the brake shoes into contact with the drum.

1,465,510. HOOK. ALPHONSE CÔTÉ, Eel River, New Brunswick, Canada. Filed Sept. 12, 1921. Serial No. 500,072. 2 Claims. (Cl. 294—26.)



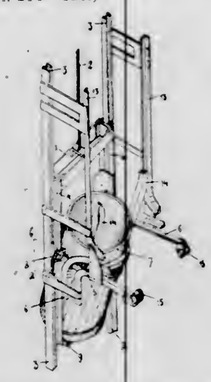
1. The herein described hook having a shank, a head having an inturned point at one end thereof, lugs provided upon the head, and lips formed on the free ends of said lugs.

1,465,511. GAS AND LIQUID-FUEL BURNER AND IN THE PROCESS OF BURNING GAS AND LIQUID FUEL. CHARLES FREMONT CURREY and KENNETH E. LYMAN, Topeka, Kans. Filed Aug. 2, 1920. Serial No. 400,723. 7 Claims. (Cl. 158—65.)



1. A liquid fuel and gas burner comprising the combination of a casing formed with a mixing chamber having at one end a round intake and being oblong in cross section, the less diameter being slightly larger than the diameter of the intake, and the end opposite the intake being rounded the greater diameter of said chamber and having a slot around the middle of its periphery and also having a series of vertical slots above said middle slot, said casing being also formed with sinuous spirally arranged vaporizing passages in its top and bottom walls adjacent said slotted end with a hollow post connecting said passages through said chamber, and a nozzle communicating with said passages and arranged to discharge into said chamber through said intake and said nozzle and said intake being arranged to admit air into said chamber along with the discharge from the nozzle; said mixing chamber being also adapted for initial combustion of the combustible elements therein and said end wall being a retarding wall and said slots being adapted for the discharge therethrough of the mass of said elements during the process of combustion.

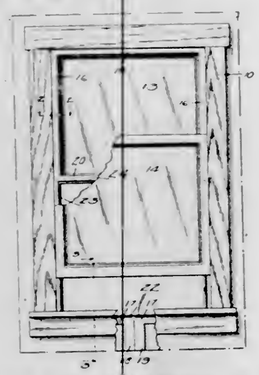
1,465,512. SKIP. HENRI DELPORTE, Ougree, Belgium, assignor to Société Anonyme Ougrée-Marihaye, Ougree, Belgium. Filed June 18, 1921. Serial No. 478,669. 2 Claims. (Cl. 214—120.)



1. In a structure of the character described, a sliding frame, rails guiding sliding movement of said frame, a receptacle pivoted to said frame, one of said rails being provided with a cutout intermediate its length, guides extending from said rails adjacent the cutout, a stop for preventing dumping of the receptacle carried by said receptacle and engaging said broken rail and movable through the cutout thereof to permit dumping of said receptacle, means carried by said receptacle for engaging said guides and moving the receptacle to a dumping position when the stop moves through the cutout of the rail, and rails extending upwardly above said guides and adapted to be engaged by the guide engaging means after the receptacle has been tilted and said means moved out of engagement with the guides.

2. The structure of claim 1 and arms extending from the receptacle for engaging the guides and forming fulcrum means permitting tilting of the receptacle to bring the guide engaging means of the receptacle into position for engaging the upwardly extending rails.

1,465,513. HEATING AND COOLING SYSTEM FOR WINDOWS, DOORS, AND THE LIKE. IRWIN H. EBB, West Liberty, Iowa. Filed Sept. 22, 1922. Serial No. 589,999. 3 Claims. (Cl. 20—11.)



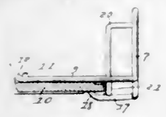
1. In a device of the class described, the combination of a main frame, a pair of window sashes slidably mounted therein, a tubular air conducting frame on the main frame arranged between the sashes to form parting strips therefor.

1,465,514. SPINDLE MECHANISM OF SPINNING AND LIKE FRAMES. JOSEPH SHAW GAUNT, Manchester, and HARRY DYSON, Huddersfield, England. Filed Oct. 8, 1921. Serial No. 506,423. 7 Claims. (Cl. 118—63.)



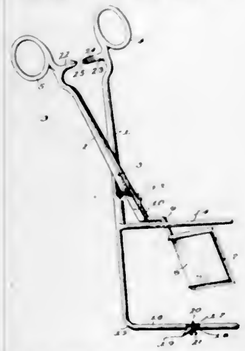
1. In a continuous spinning and doubling machine the combination of a lifting rail; a bolster mounted upon the said rail; a bearing arranged in the upper portion of the said bolster, the wall of the said bolster and a portion of the bearing being cut away to expose the spindle and enable the drag to be applied; a footstep arranged in the lower portion of the bolster; and a spindle mounted in the said upper and footstep bearings.

1,465,515. LUGGAGE CARRIER. JOHN W. GORRELL, Connellsville, Mo. Filed Mar. 8, 1922. Serial No. 542,188. 2 Claims. (Cl. 224—29.)



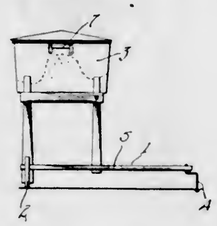
2. In a luggage carrier for automobiles, arms having substantially angularly disposed inner ends adapted to be applied to anchors on the running board, a frame structure constituting a guard carried by the said arms, and an extension attached to the frame between its ends and adapted to project under the running board into contact with its under surface and adapted to be removed therefrom by the springing of the said guard.

1,465,516. X-RAY-FILM HOLDER. ALBERT HALLENBERG, Fargo, N. Dak. Filed Dec. 9, 1921. Serial No. 521,179. 10 Claims. (Cl. 250—34.)



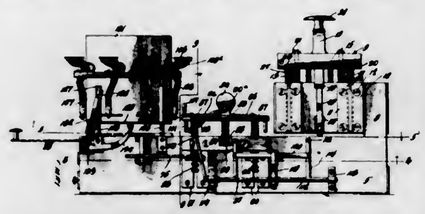
1. An X-ray film holder comprising a member having an end portion thereof adapted to be inserted in the mouth of a patient, means carried by said end portion for supporting a radiographic element, and other means swingingly supported on said member for engaging the outer side of a jaw of a patient to hold the radiographic element supporting means pressed against the inner side of the jaw.

1,465,517. WASHING MACHINE. ALBERT F. HECHT, Worth, Ill. Filed Sept. 16, 1922. Serial No. 588,698. 5 Claims. (Cl. 259—73.)



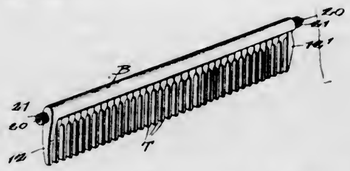
1. A washing machine comprising a clothes containing receptacle, and a frame for supporting said receptacle, said frame being supported by a curved member and a pin, whereby said receptacle is oscillated through an arcuate shaped path, said pin being adjustable with respect to said frame, whereby the path of said receptacle is altered at will.

1,465,518. CAPSULE-FILLING MACHINE. OMRI L. HENDRICKS, Flint, Mich. Filed Dec. 13, 1921. Serial No. 522,044. 35 Claims. (Cl. 226—41.)



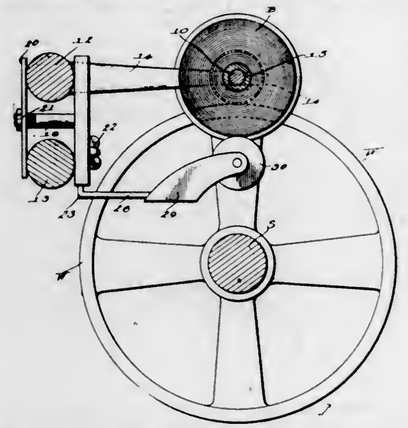
34. In a capsule filling machine the combination of a hopper and a capsule magazine, a transfer plate shiftable beneath the magazine and hopper for simultaneously filling a plurality of capsule bodies and means cooperating with said transfer plate for capping the capsule bodies.

1,465,519. COMB. RICHARD B. HOWARD, Golconda, Nev. Filed Sept. 16, 1922. Serial No. 588,719. 2 Claims. (Cl. 132—16.)



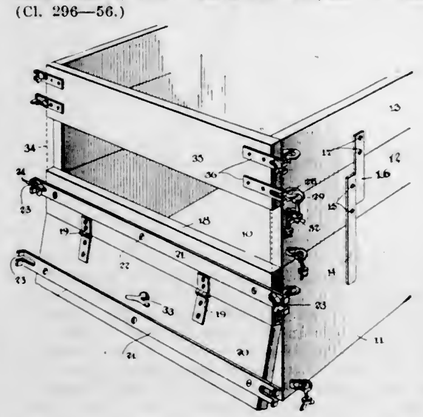
1. A comb comprising an elongated body member having a groove extending longitudinally thereof, a rod disposed in said groove, means for securing the one end of said rod to the associated end of said body member, a plurality of teeth each having a head provided with an opening adapted for receiving said rod and the head of each tooth being also slidable in the groove of said body member, and means carried by the free end of said rod adapted to be utilized for clamping the teeth upon said rod.

1,465,520. ATTACHMENT FOR WINDING MACHINES. MICHAEL LANDI, Paterson, N. J. Filed Sept. 2, 1922. Serial No. 585,926. 5 Claims. (Cl. 242—34.)



1. A bobbin lifting attachment for winding machines of the character described comprising a supporting plate, means whereby the plate may be adjustably secured to the frame of a winding machine, an L-shaped member having its one end portion provided with an elongated slot, said slot extending longitudinally of said portion, a bolt extending through an opening in the supporting plate and also extending through the slot in the last named portion of the L-shaped member, a nut carried by the bolt whereby the L-shaped member may be adjusted with respect to the supporting plate, and a roller rotatably supported at the outer end of the free portion of said L-shaped member, for the purpose described.

1,465,521. END GATE. THOMAS L. LILLY, Minonk, Ill. Filed June 4, 1921. Serial No. 474,922. 1 Claim. (Cl. 296—56.)



In a structure of the character described, a pair of edgewise disposed spaced supporting members, an end gate section swingingly supported in spanning relation to the adjacent ends of the supporting members, a bar secured to the end gate section to extend longitudinally of the latter and to project at its one end beyond the corresponding end of the end gate section, said bar having its projecting portion bifurcated longitudinally from the end thereof to the adjacent end of the end gate section, the bifurcated portion being bent laterally away from the adjacent support-

ing member and a latching member swingingly supported upon said adjacent supporting member and having a portion adapted to be swung between the furcations of the said projecting portion of the bar, and means adjustable on the latching member for movement into and out of engagement with the said bar at the inner side of the laterally bent end portion, to prevent or permit the latching member to disengage the bar, said last means including a nut threadedly engaging the latching member and a spacing washer disposed on the latching member between said nut and the bar.

1,465,522. TOOTHPICK. RUSSELL EDWARD LUNDAY, Vallejo, Calif. Filed Sept. 25, 1922. Serial No. 590,428. 6 Claims. (Cl. 132—93.)



4. A tooth pick comprising a casing having an integral pick, said pick having a roughened outer surface, a diaphragm mounted in said casing and having an opening, and inwardly extending fibers carried by the inner surface of said casing, and being adapted to engage with the tongue.

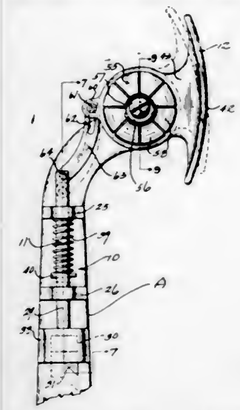
1,465,523. FLY SWATTER. HARRY WESLEY MANGOLD and ANNE MARY MANGOLD, San Jose, Calif. Filed Sept. 15, 1922. Serial No. 588,370. 3 Claims. (Cl. 43—137.)



1. A fly swatter comprising a flexible striking element having its rear portion formed with a transversely extending loop and a longitudinally extending incision communicating with the loop and opening out through the rear end of the striking element whereby to provide a pair of L-shaped attaching straps, and a handle formed from twisted wire having its forward portion formed with a loop and a triangular portion, said straps being extended over the loop and cemented to the striking element between the sides of the loop and in advance of the same.

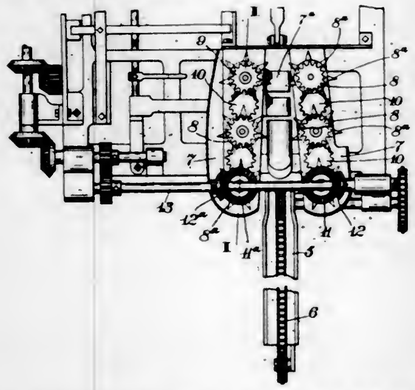
1,465,524. ADJUSTABLE PEDAL. BENJAMIN J. MILLER and BENJAMIN A. MILLER, Benson, Ill. Filed July 5, 1922. Serial No. 572,809. 8 Claims. (Cl. 74—81.)

1. A pedal arrangement comprising a lever portion, a manually operated head portion pivoted to the lever portion, a ratchet, a pawl member movably connected to the lever portion of said pedal and operatively connected to the manually operated head portion whereby the pawl member may selectively engage said ratchet to



hold the pedal in a desired position, and yieldable means for normally maintaining said lever portion and manually operated portion in abutting relation.

1,465,525. MACHINE FOR CUTTING CORN FROM THE COB. WILLIAM W. MORRAL and SAMUEL E. MORRAL, Morral, Ohio. Filed July 22, 1921. Serial No. 486,849. 7 Claims. (Cl. 130—9.)

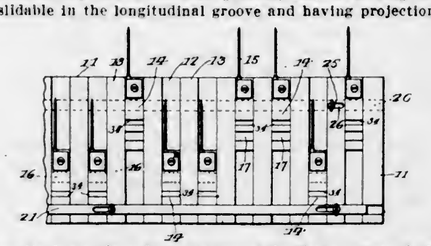


1. In a machine for cutting corn from the cob, means for feeding ears to the cutter thereof comprising, in combination, a pair of supporting members, a plurality of toothed wheels to engage the ears mounted on said supporting members, said wheels provided with gear wheels, gear wheels between and engaging the gears of the toothed wheels for driving the latter in the same direction, and means for pivoting said supporting members at their forward ends.

1,465,526. ADJUSTMENT FOR EMBROIDERING-MACHINE NEEDLES. ERNST PFENNINGER, Odell, Ill. Filed Sept. 9, 1921. Serial No. 499,372. 2 Claims. (Cl. 112—93.)

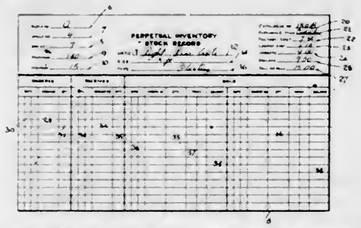
1. An embroidering machine needle device including a main block having a plurality of transverse grooves in one face, needle holding blocks slidable in said grooves and each having a groove in its upper face, the main

block having a longitudinal groove in its upper face intersecting the transverse grooves, and a locking bar slidable in the longitudinal groove and having projections



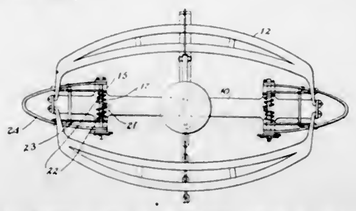
on its lower face for engagement in the grooves of the needle blocks to hold the blocks against movement in the transverse grooves.

1,465,527. STOCK CARD. RAY HOWARD REED, Klamath Falls, Oreg. Filed Sept. 3, 1921. Serial No. 498,537. 1 Claim. (Cl. 283—55.)



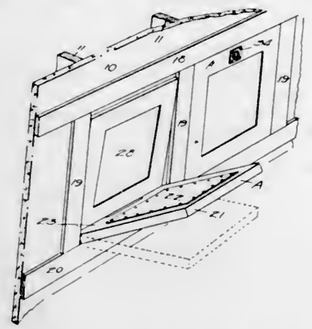
An individual stock card comprising a sheet having lines upon which the location of and the maximum and minimum number of articles to be carried in stock is indicated, there being a plurality of vertical columns upon which the date of order and the date of its receipt is written, additional columns indicating the date on which the articles are disposed of and in what quantities and for what price, and vertical columns indicating the balance of the articles on hand.

1,465,528. TRAP. JAMES LEE RUFTY, Stony Point, N. C. Filed Apr. 24, 1923. Serial No. 634,350. 4 Claims. (Cl. 43—88.)



4. An animal trap of the class described including a base plate, a pair of cooperating jaws having laterally extending ends pivoted to the base plate at opposite ends of said plate, transverse shafts each journalled at a respective end of said plate, a spring on each shaft, each spring consisting of a doubled spring rod having the portions adjacent the doubled part coiled in like directions around said shaft whereby to form a right and a left hand spiral, the terminal portions of said coils extending laterally therefrom, a yoke at each end of the plate having its arms pivoted on the respective shaft and having its central portion engaging beneath the ends of the jaws, said springs having their terminal portions engaging beneath said yokes to raise the yokes and close the jaws, a ratchet fixed on each shaft, and a pawl mounted at each end of the plate engaging the respective ratchet.

1,465,529. DISAPPEARING STRUCTURE FOR CHAIRS, TABLES, AND THE LIKE. CHARLES M. RUMBAUGH and JOHN S. OSBORN, Des Moines, Iowa. Filed Jan. 28, 1922. Serial No. 532,456. 3 Claims. (Cl. 155—83.)



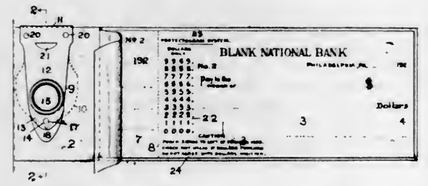
1. A disappearing structure designed to be supported as part of a wall, comprising a frame, guide members on said frame at the opposite sides thereof having slots, guide members spaced above said first guide members, a chair seat having at its lower, inner edge an extension of less thickness than the seat, a cross member on said extension, guide lugs on said cross member, a movable panel adapted to rest on said cross member when the seat is raised, said panel being provided at its lower inner portion with a downwardly projecting member, a spring connected with the upper part of said panel and with said frame.

1,465,530. BATH SALTS. HERBERT WILSON SMITH, Washington, D. C. Filed Jan. 18, 1922. Serial No. 530,166. 2 Claims. (Cl. 167—9.)

1. A new composition of matter consisting of a pine oil incorporated with sodium bicarbonate, with an addition of Canadian balsam in dry powdered form, magnesium sulphate and sodium chloride.

2. The method of preparing a bath salt, consisting in mixing a pine oil with an alkali to absorb and render said oil emulsifiable, adding Canadian balsam in dry powdered form to the resultant product and mixing the same therewith, and adding magnesium sulphate and sodium chloride to the mixture.

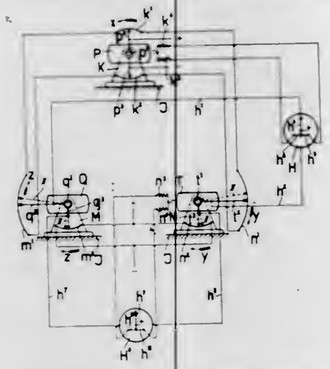
1,465,531. CHECK-PUNCHING DEVICE. WILLIAM SAUL SMITH and FREDERIC SLAYTON WILLIAMS, Philadelphia, Pa. Filed Mar. 22, 1922. Serial No. 545,655. 6 Claims. (Cl. 164—119.)



1. A punching means adapted for being secured to the bound volume and comprising a punch supporting plate and punch attached thereto near one end, a spring stripper plate arranged over the punch and its supporting plate having an opening above the punch and its distant end connected to the punch carrying plate at its end most distant from the punch, and a punch plate above the stripper plate and having at one end a punching aperture in alinement with the punch and its other end also connected with the punch carrying plate at its end

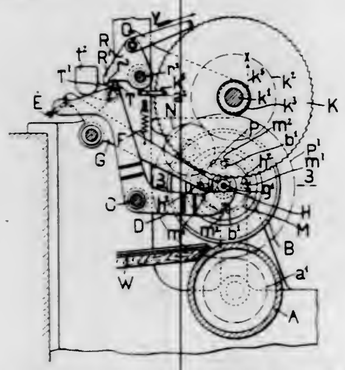
most distant from the punch, said punching means provided with a spring clamping plate having one end free and arranged under the punch and its other end connected to the punch carrying plate at its end most distant from the punch, and between which and the punch supporting plate a portion of the bound volume is clamped.

1,465,532. SUPPRESSION OF GYROSCOPIC PRECESSION. HERMANN SUNDHAUSSEN, Essen, Germany, assignor to Fried. Krupp Aktiengesellschaft, Essen-on-the-Ruhr, Germany. Filed Sept. 25, 1920. Serial No. 412,896. 10 Claims. (Cl. 89—41.) (Granted under the provisions of the act of Mar. 3, 1921, 41 Stat. L., 1313.)



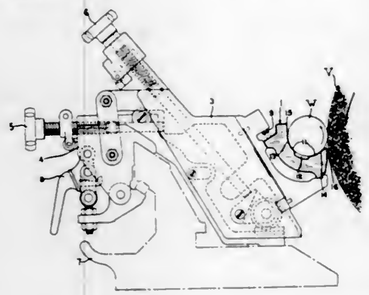
1. In combination with a gyroscopic device, switching means controlled by the precessional movement of said gyroscopic device and correcting means for said gyroscopic device controlled by the action of said switching means.

1,465,533. SURFACE-MEASURING MACHINE PARTICULARLY INTENDED FOR THE MEASUREMENT OF LEATHER. HERMANN THUN, Essen, Germany, assignor to Fried. Krupp Aktiengesellschaft, Essen-on-the-Ruhr, Germany. Filed June 16, 1922. Serial No. 568,804. 5 Claims. (Cl. 33—124.)



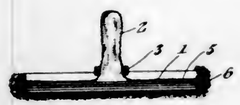
1. A measuring machine of the class described for use in connection with an indicating apparatus, comprising a driving roller engaging the material to be measured, contact rollers adapted to be lifted by the material to be measured, means for operating the indicating apparatus, means operable by said contact rollers for causing the driving means of the indicating apparatus to be actuated in the measuring direction, means operable by said contact rollers for allowing the indicating apparatus to be moved in the opposite direction, a two-part locking mechanism associated with each of said contact rollers, one part of said mechanism being in connection with the indicating apparatus and the other part thereof being in connection with said contact roller, and a yielding means interposed between said contact roller and the appurtenant last-named part of said locking mechanism.

1,465,534. STEADY-REST SHOE. ALBERT TURNER, Worcester, Mass., assignor to Norton Company, Worcester, Mass., a Corporation of Massachusetts. Filed Apr. 5, 1921. Serial No. 458,705. 1 Claim. (Cl. 51—238.)



A grinding machine steady rest comprising a steady rest shoe of wear resisting material having a concave partial cylindrical surface of revolution whose radius substantially equals that of the finished work for which the shoe is adapted, said cylindrical surface merging tangentially into two plane surfaces arranged at an angle to form a V-shaped work rest, whereby work will be constantly supported on a plane surface during the initial stages of grinding until it substantially fits the partial cylindrical surface and is there supported fully for the final operation.

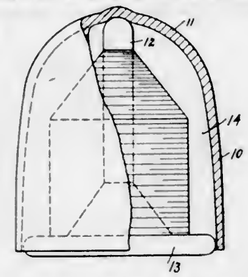
1,465,535. POWDER PUFF. JOSEPH E. VALENTINE, Flushing, N. Y., assignor to Valmont Manufacturing Co., Inc., a Corporation of New York. Filed Sept. 27, 1919. Serial No. 326,881. 6 Claims. (Cl. 132—78.5.)



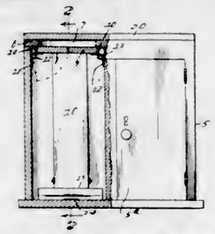
1. A powder puff of the character described, including, in combination, a frame formed of a pair of rings, one of said rings being less in exterior diameter than the interior diameter of the other so that it may be positioned therewithin, material covering the front face of one ring and other material covering the rear face of the other ring, the edges of both pieces of material being clamped between the exterior edge of the smaller ring and the larger ring, whereby said material is unsupported except at the edges of the frame so that both covers for substantially their full areas are flexible and yielding in use.

1,465,536. COP COVER. JOHN H. VOGT, Reading, Pa., assignor to The Nolde & Horst Co., Reading, Pa., a Corporation of Pennsylvania. Filed Mar. 16, 1922. Serial No. 544,095. 1 Claim. (Cl. 66—12.)

As a new article of manufacture, a shaped cop cover of absorbent fabric having a conical cop-enclosing skirt portion depending from an integrally formed top-closure portion; the latter being adapted to be centrally supported upon the cop spindle, and the bottom of said skirt portion being adapted to loosely encircle the cop base, substantially as set forth.

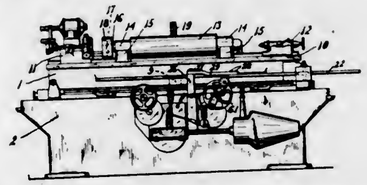


1,465,537. LOCKER FOR MILK BOTTLES. JOHN E. WARD, Nashua, N. H. Filed June 2, 1922. Serial No. 565,338. 1 Claim. (Cl. 232—41.)



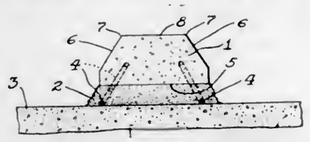
In a locker for milk bottles, a casing, an apertured cover therefor, a platform hinged near the bottom of the casing and adapted to be moved downwardly by the weight of a bottle, means for returning the platform to normal position, guards hinged in the casing and having their inner edges in proximity, the said inner edges being adapted to swing downwardly in the casing, a bracket secured at the side of the casing on which the latch is oscillatably mounted in operative relation to the guards whereby the edges of the guards hold the upper end of the latch against inward movement when the said guards are displaced downwardly, the said guard below the pivot being engaged by the platform and moved thereby when weight is applied to the platform for swinging the latch under the guards when the guards are in normal position, and a door in the casing through which the contents of the casing may be removed.

1,465,538. GRINDING MACHINE FOR FORMING ROLLS. HANS WICKSTROM and PATRICK J. SHEA, Worcester, Mass., assignors to Norton Company, Worcester, Mass., a Corporation of Massachusetts. Filed May 21, 1921. Serial No. 471,413. 5 Claims. (Cl. 51—49.)



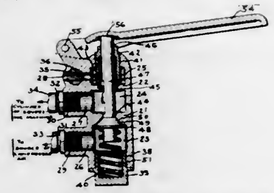
1. A grinding machine having relatively reciprocating work and wheel supports, one of said supports being also movable transversely during reciprocation to form the work, a follower on said transversely movable support, a forming bar against which said follower is held during reciprocation, and means to position the bar and hold said bar and follower in engagement during reciprocation, said forming bar having means for adjusting its width at a point intermediate its ends.

1,465,539. CEMENTITIOUS SLEEPER OR THE LIKE. GROSVENOR ATTERBURY, New York, N. Y. Filed June 8, 1921. Serial No. 475,990. 11 Claims. (Cl. 72—105.)



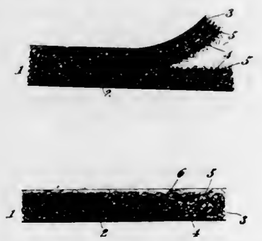
1. A precast cementitious nailing member having a combined metal reinforcing and anchoring means partly embedded in the cementitious material of the member.

1,465,540. CONTROL-VALVE MECHANISM. DANIEL BRANDRIFF, Short Beach, Branford, Conn., assignor to Malleable Iron Fittings Company, Branford, Conn. Filed July 21, 1920. Serial No. 397,961. 15 Claims. (Cl. 138—16.)



1. A valve control unit comprising a housing having a chamber, said chamber being provided with inlet and vent ports, a valve stem carrying a valve to control one of said ports and itself controlling the other of said ports and means for actuating the valve.

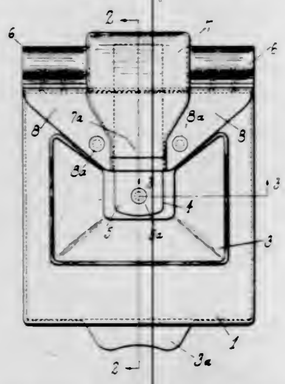
1,465,541. PROCESS FOR THE PRODUCTION OF COATED FABRICS AND THE LIKE. HERMAN E. BROWN, Kingston, N. Y., and JORDAN HOMER STOVER, Nutley, N. J., assignors, by mesne assignments, to Multi-Fabric Corporation, New York, N. Y., a Corporation of New York. Filed Sept. 29, 1921, Serial No. 504,185. Renewed Jan. 30, 1923. 4 Claims. (Cl. 154—2.)



2. The herein described process of making coated sheet material, which consists in preparing a base material composed of non-woven, unspun fibres, by impregnating it with an elastic binding material so as to coat the individual fibres thereof and consolidate them, splitting the said fibrous non-woven material so that the separation of the coated fibres adjacent to the line of separation between sections of the material will produce a roughened bonding surface, providing interstices between the coated fibres of

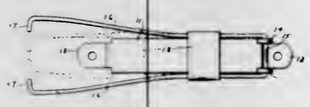
the fabric and projecting coated fibres extending above the general plane of the bonding surface, and applying a surface coating of flexible material to said bonding surface of the base material, and causing it to interlock into the interstices between the fibres of the base material and to surround and embed the projecting fibres in the surface coating.

1,465,542. HOODED JOURNAL-BOX LID AND METHOD OF MAKING SAME. CLAUS J. WERNER CLASEN, Davenport, Iowa, assignor to The Bettendorf Company, Bettendorf, Iowa, a Corporation of Iowa. Filed Feb. 4, 1922. Serial No. 534,174. 4 Claims. (Cl. 29—148.2.)



1. A journal box lid comprising integral body, hinge eyes and hood, all of metal plate, said body underlying said hood as far as the line of the box cooperating with the lid whereby dust is substantially excluded from the journal box when the lid is closed over the same.

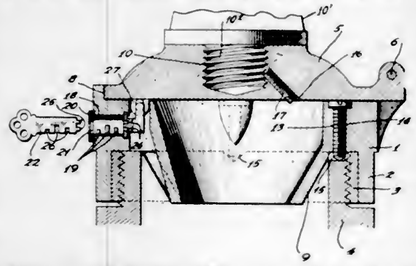
1,465,543. CLAMP FOR LEVELS. STEPHEN CONDON, Spencer, Iowa. Filed May 20, 1922. Serial No. 562,461. 4 Claims. (Cl. 24—260.)



1. A clamp for removably securing a level stock to a straight-edge, including an elongated plate, having supporting means to be secured to the straight-edge and hold the plate spaced from the straight-edge, a U-shaped spring wire having its web disposed transversely of the plate, and its arms extended along the sides of the plate, the free end portions of the wire tending to spring outwardly from each other, and engageable, when forced toward each other, with the level stock, and an element across the plate having grooves to freely receive the arms of the wire and the opposite sides of the plate, whereby the wire may be engaged and disengaged with and from the stock by accordingly sliding said element toward and from the stock.

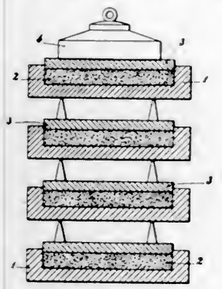
1,465,544. RADIATOR CAP. EDWARD T. CURRAN, Detroit, Mich. Filed Oct. 8, 1921. Serial No. 506,270. 1 Claim. (Cl. 220—24.)

A radiator cap adapted to be screwed on to the filler neck of a radiator and provided with a passage through which water may be introduced into the radiator, a closure adapted to normally seal the passage, and means for locking the closure in sailing position, in combination with a set screw threaded through the cap with its head underlying and concealed by the closure when the latter is in sealing position and the end of which set screw is adapted to engage with or enter a depression in the upper edge of the filler neck, whereby, said set screw locks the cap



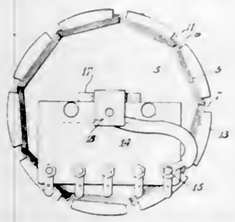
against removal from the filler neck and access to said set screw by unauthorized persons is precluded when the closure is locked in sealing position.

1,465,545. MANUFACTURE OF ARTICLES OF GLASS AND THE LIKE. MARCEL ARMAND DEMONGEOT, Paris, France; Jacob Neadle administrator of Marcel Armand Demongeot, deceased. Filed June 23, 1913. Serial No. 775,407. 1 Claim. (Cl. 49—85.) (Granted under the provisions of the act of Mar. 3, 1921, 41 Stat. L., 1313.)



The process of producing a finished molded article from granular or powdered vitrifiable material in a manner to prevent sticking to the mold which consists in placing the material in the mold, raising it while in the mold to a temperature sufficient to soften it but lower than that which would cause sticking to the mold and, while it is being so heated in the mold, subjecting the material to an external pressure acting progressively during the heating operation so as to consolidate the mass in spite of its relatively low temperature.

1,465,546. INDUCTANCE. HAROLD POTTER DONLE, Meriden, Conn., assignor to The Connecticut Telephone & Electric Company, Incorporated, Meriden, Conn., a Corporation of Connecticut. Filed Feb. 11, 1921. Serial No. 444,213. 17 Claims. (Cl. 175—360.)

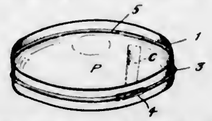


14. An inductance device comprising tapered supporting members and a conductor wound zig zag back and forth on opposite sides of said members.

1,465,547. ELECTRIC RESISTANCE ELEMENT. FRANK L. DRIVER, Jr., Newark, N. J., assignor to Driver-Harris Company, Harrison, N. J., a Corporation of New Jersey. Filed Dec. 6, 1921. Serial No. 520,248. 5 Claims. (Cl. 219—76.)

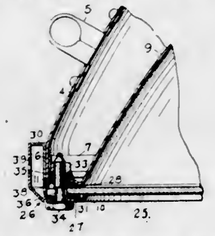
1. A drawn metallic resistance element for high temperature heating composed of a carbide containing alloy comprising nickel and chromium, the carbon content being at least two tenths per cent (0.20%) and producing free carbide, and a carbide distributing constituent, all free carbide being distributed with substantial uniformity throughout the mass.

1,465,548. POWDER-CAKE HOLDER. THEODORE W. FOSTER, Providence, R. I., assignor to Theodore W. Foster Brothers Company, Providence, R. I. Filed Feb. 28, 1923. Serial No. 621,788. 3 Claims. (Cl. 132—82.)



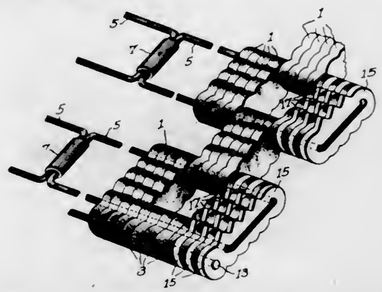
3. In a powder cake holder, a casing of circular form having a circular hollow bead in its rim opening into the casing interior, said bead being formed with a cut-out, and a split spring wire engaging in the hollow interior of the bead and extending across the cut-out.

1,465,549. LAMP. CLARENCE F. GILCHRIST, Toledo, Ohio, assignor to Electric Auto-Lite Corporation, Toledo, Ohio, a Corporation of Delaware. Filed Aug. 11, 1919. Serial No. 316,726. 4 Claims. (Cl. 240—41.)



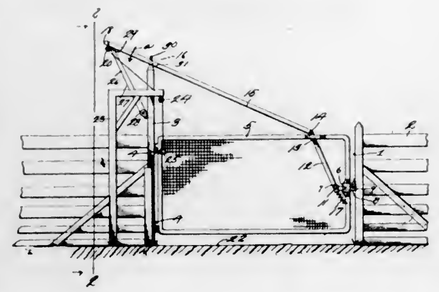
1. In a device of the class described, the combination of a casing, a nut secured thereto, a reflector within said casing, a lens, a lens ring, a screw carried by said lens ring and adapted to be threaded into said nut to thereby clamp said reflector, lens and lens ring to said casing, said screw having a portion adjacent its head of reduced diameter and said lens ring having an opening for said screw of less diameter than the threaded portion thereof.

1,465,550. MAT. ARTHUR C. HAYDEN, Brockton, Mass. Filed Mar. 15, 1922. Serial No. 543,823. 2 Claims. (Cl. 15—239.)



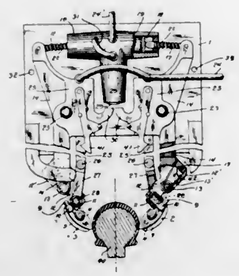
1. A mat comprising an assembly of blocks formed of leather laminations, wires entered through said blocks to hold the same in assembled relation, and metal plates interposed between the leather laminations of blocks at a margin of the mat, said plates being provided with upper slip preventing edges.

1,465,551. GATE OPENER. WILLIAM HIRD, Cuba, Wis. Filed June 5, 1922. Serial No. 565,883. 1 Claim. (Cl. 39—28.)



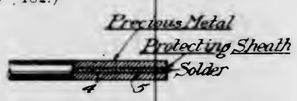
The combination with a vertically pivoted gate, of a latching and gate opening mechanism therefor, said mechanism comprising a pivoted latching lever carried by the forward end of the gate, an upwardly extending bar pivoted to said latching lever, a post to which the gate is pivotally connected, a pivoted and vertically rockable lever carried by said post and having its rear end provided with a cross bar, pulleys carried by the ends of said cross bar, a cable connected to the rear end of the pivoted and rockable lever, said cable extending downwardly and upwardly over a pulley carried by the post, the upper end of said cable being connected to upwardly extending cables, said last named cables extending over the pulleys carried by the ends of the cross bar and forming means whereby the rockable and pivoted lever may be rocked and then moved pivotally.

1,465,552. STITCHER MECHANISM FOR TIRE-MAKING MACHINES. RUDOLPH A. HOLMES, Detroit, Mich., assignor to Morgan & Wright, a Corporation of Michigan. Filed Sept. 22, 1920. Serial No. 412,001. 17 Claims. (Cl. 154—10.)



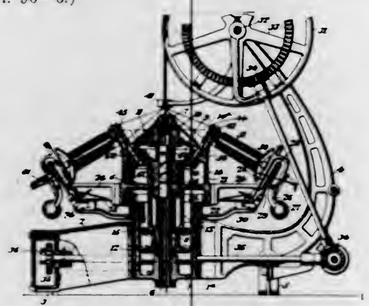
1. In a machine for laying fabric on a core, in combination, a rotatable stitcher having spaced peripheral flanges and provided with a shallow groove intermediate said flanges, said groove being shaped to conform fabric to a bead, and means for moving said stitcher transversely over the surface of a partially completed tire into contact with the fabric over the bead.

1,465,553. SOLDER-FILLED WIRE AND METHOD OF MANUFACTURING SAME. LLOYD H. KIRK, Providence, R. I., assignor to Martin-Copeland Company, Providence, R. I., a trusteeship consisting of Edgar W. Martin; Barrington, R. I., Laurence C. Martin, Providence, R. I., and George W. Bleecker, Chicago, Ill. Filed Feb. 25, 1920. Serial No. 361,244. 7 Claims (Cl. 29—182.)



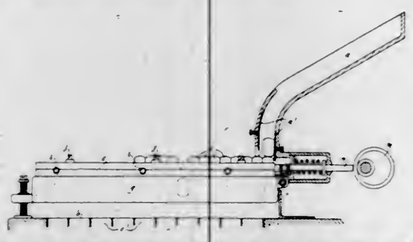
1. An improved solder-filled wire for use in jewelry manufacture or kindred arts comprising a hollow body of precious metal, a core of solder contained therein, and a thin sheath of impenetrable material enclosing the solder core to separate it from the precious metal to prevent it from being absorbed thereby.

1,465,554. BRAIDING MACHINE. FREDERICK KLEIN, New York, N. Y., assignor to National Indicator Company, Long Island City, N. Y., a Corporation of New York. Filed Apr. 15, 1920. Serial No. 374,223. Renewed Jan. 31, 1921. Serial No. 441,457. 20 Claims. (Cl. 96—6.)



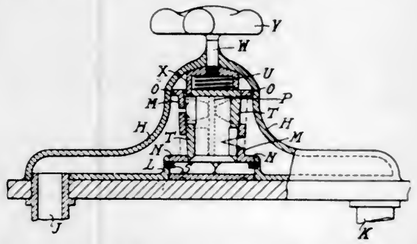
5. A braiding machine comprising a base, an inner turret, an outer turret, means for rotating the turrets in opposite directions, a series of bobbin carriers mounted on the outer turret, coupler pins rotating with the inner turret, means for vibrating said pins to connect them and disconnect them from the carriers mounted on the outer turret, whereby the said carriers will move with the inner turret, and resilient elements connected to the coupler pins and to the inner turret.

1,465,555. MEASURING INSTRUMENT FOR SIZING AND SORTING DISKS OR ROLLERS. KARL OSKAR LEON, London, England. Filed Apr. 17, 1923. Serial No. 632,731. 3 Claims. (Cl. 83—92.)



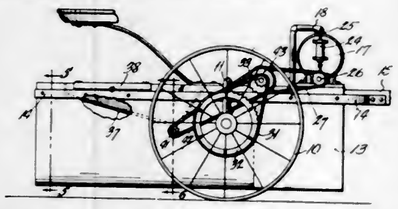
1. A measuring instrument for sizing and sorting disks or rollers comprising a pair of bars having opposed diverging gauging surfaces and a feeding device at one end of said instrument, said device comprising a plunger, and means for imparting reciprocatory movements to said plunger in a direction parallel to the feed of the rollers.

1,465,556. MEANS FOR REGULATING THE FLOW OF LIQUIDS. WILLIAM EDGAR MUNTZ, London, England. Filed Mar. 2, 1921. Serial No. 449,138. 7 Claims. (Cl. 251—106.) (Granted under the provisions of the act of Mar. 3, 1921, 41 Stat. L., 1313.)



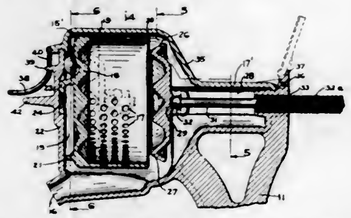
7. In a valve device, a housing, a pair of inlet ports in the housing for different sources of supply, a valve within the housing, a pair of ports in the valve, each port of one pair of ports comprising a full width portion and a tapered portion, and arranged to be so brought into registration with a corresponding port of the other pair of ports, that when the full width portion of either port of the said one pair of ports is beginning to leave registry with its corresponding inlet port, the other of the said one pair of ports is beginning to make registry with its corresponding port.

1,465,557. INSECT EXTERMINATOR. FRANK OLDHAM, Dallas, Tex. Filed July 13, 1922. Serial No. 574,635. 5 Claims. (Cl. 43—145.)



1. In a combined liquid spraying and powder dusting machine, a portable support, an elongated hood carried by the support and adapted to straddle a row and encase the plants received therein, a transverse partition in the hood for dividing the hood into a misting chamber and a dusting chamber, means in the misting chamber of the hood for spraying the plants with a liquid, and means in the dusting chamber for dusting the plants with a powder.

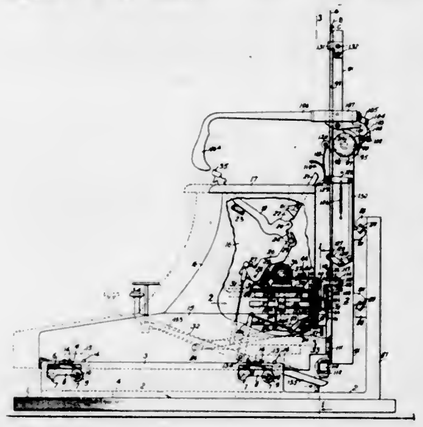
1,465,558. FRUIT PRESS. GEORGE B. PICKOP, New Haven, Conn., assignor to Malleable Iron Fittings Company, Branford, Conn. Filed July 3, 1920. Serial No. 393,887. 16 Claims. (Cl. 100—44.)



3. A fruit press or the like comprising a horizontally disposed chamber having an opening at the top, a lid for closing said opening, a perforated receptacle suspended in said chamber and removable through said opening.

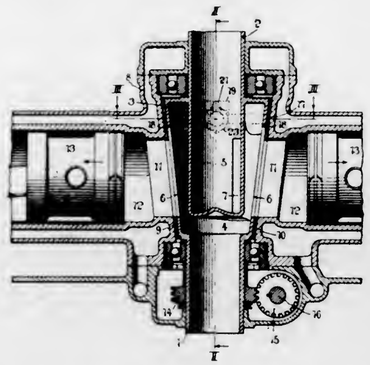
11. A horizontal fruit press or the like, comprising a chamber, a cover therefor, a plunger having guide flanges operating therein, said cover and the bottom of a portion of said chamber forming a guideway in which said flanges operate.

1,465,559. TYPEWRITING MACHINE. MORRIS W. POOL, New York, N. Y., assignor to Remington Typewriter Company, Ilion, N. Y., a Corporation of New York. Filed June 25, 1921. Serial No. 480,393. 25 Claims. (Cl. 197—127.)



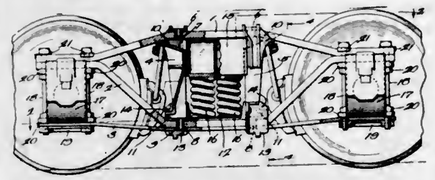
1. In a typewriting machine, the combination of printing instrumentalities, a supporting frame therefor, a traveling paper holding means for holding the printing portion of the paper substantially vertical, and means for affording movement of the supporting frame horizontally away from the paper holding means entirely independently of the paper thereon.

1,465,560. INTERNAL-COMBUSTION ENGINE. FINLEY R. PORTER, Port Jefferson, N. Y., assignor to Knight American Patents Company, Chicago, Ill., a Corporation of Delaware. Filed Jan. 11, 1917. Serial No. 141,818. 25 Claims. (Cl. 123—53.)



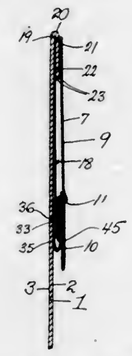
1. In an internal combustion engine, a combustion chamber, a single firing chamber, means for igniting the charge therein, and means for opening and closing communication between the combustion chamber and firing chamber subsequently to the firing of the latter.

1,465,561. TRUCK FRAME. HERMAN C. PRIEBE, Blue Island, Ill. Filed Mar. 16, 1922. Serial No. 544,184. 16 Claims. (Cl. 105—204.)



1. A truck side frame including an upper arch bar; a lower arch bar; and a bolster column formed with pins that enter sockets formed in said arch bars to effect assembly of the bolster column and arch bars, the bolster column including an inclined ledge at its upper end that is engageable with the under side of the upper arch bar, the bolster column overhanging the upper arch bar, the pin which enters the socket in the upper arch bar being carried by the overhanging portion of the bolster column, the upper pin and inclined ledge being spaced apart sufficiently to permit the positioning of the upper arch bar between the upper pin and the inclined ledge when the bolster column is inclined in the process of assembly.

1,465,562. LINING. JOSEPH RAAB and JACOB TENDRICH, Brooklyn, N. Y. Filed Feb. 12, 1920. Serial No. 358,314. 3 Claims. (Cl. 2—81.)

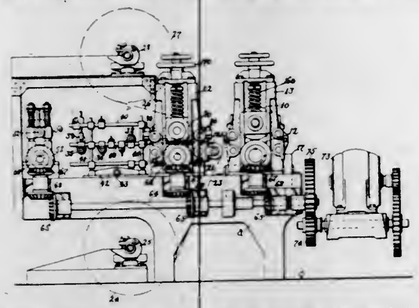


3. The combination with the waist band of a pair of trousers, of a lining therefor comprising a lining member and a canvas member, said waist band having its upper edge folded inwardly over the upper non-folded edge of the said canvas member, and the said lining member having its upper edge folded outwardly upon itself and placed against the said inwardly folded portion of the waist band, a double row of stitching concealed between the waist band and the lining member for securing the said three members together, said stitching passing through the canvas member and the folded portions of the said two other members, and one of said rows of stitching being located closely adjacent the upper edge of the canvas member, and other stitchings for securing the lowermost body portions of the said three members together.

1,465,563. APPARATUS FOR THE MANUFACTURE OF PROTECTED METAL SHEETS. WILLIAM W. RONEY, Sewickley, Pa., assignor to H. H. Robertson Company, Pittsburgh, Pa., a Corporation of Pennsylvania. Filed June 25, 1920. Serial No. 391,799. 9 Claims. (Cl. 154—1.)

1. In a machine of the character described, in combination, rolls for applying adhesive material to the opposite surfaces of a metal sheet, combining rolls composed

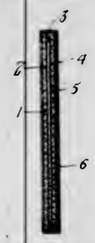
of sections movable axially of said rolls and arranged in the planes of said coating rolls to receive the coated metal sheet therefrom and to apply layers of fibrous material to the opposite surfaces of said coated metal sheet so that opposite sides of the fibrous layers project beyond



opposite side edges of the coated metal sheet, and folding means arranged in the planes of said combining and coating rolls for folding the projecting portions of said fibrous layers around said side edges and upon the fibrous layers affixed to the opposite surfaces of said metal sheet

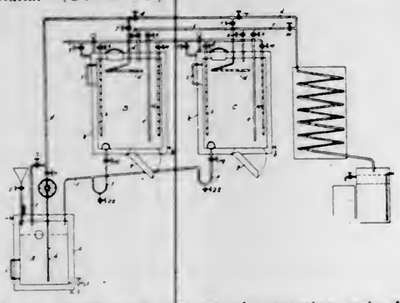
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1,465,564. COMPOSITE PICTURE. CHARLES W. SAALBURG, New York, N. Y., assignor to Animated Picture Products Co. Inc., a Corporation of Delaware. Filed Sept. 21, 1917, Serial No. 192,462. Renewed Jan. 18, 1923. 4 Claims. (Cl. 40—137.)



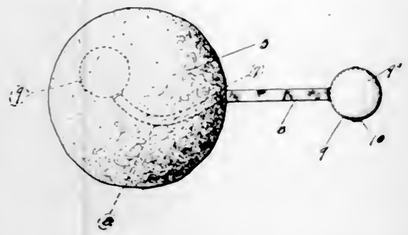
1. A composite picture comprising a lined screen, a translucent plate carrying a plurality of pictures located in alternating lines, said plate being located rearwardly of said screen, and a light reflecting surface located rearwardly of said translucent plate.

1,465,565. PROCESS FOR EXTRACTING RESIN FROM WOOD WITH THE AID OF OIL OF TURPENTINE. EDWARD SCHELLER, Stolp-on-the-Pom, Germany, assignor to Albert Luck, Stassfurt-Leopoldshall, Germany, a Firm. Filed Mar. 9, 1920. Serial No. 364,582. 1 Claim. (Cl. 203—6.)



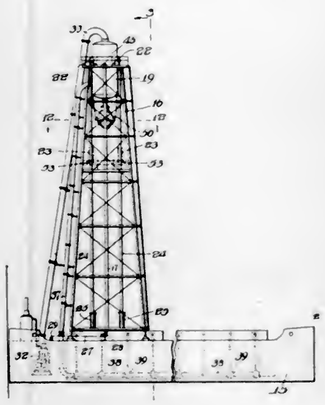
An improved cyclic process of extracting resin from wood through extraction with oil of turpentine consisting in heating up to 140–150° C. the contents of a double-walled receptacle filled with wood pieces and with oil of turpentine allowing vapors of steam carrying some of the oil to escape, the remaining oil penetrating into the pores of the wood to dissolve the resin, permitting oil saturated with resin to flow back to an oil reservoir where it is heated to 140° C. and conducting it back to the double-walled receptacle, this procedure being repeated until the specific gravity of the oil saturated with resin does not increase any more, driving oil of turpentine out of the wood by means of steam, separating oil of turpentine saturated with resin contained in the oil reservoir into oil and resin.

1,465,566. POWDER PUFF. THEODORE W. SCHRAMM, Bay City, Mich. Filed Sept. 28, 1922. Serial No. 591,190. 4 Claims. (Cl. 132—78.5.)



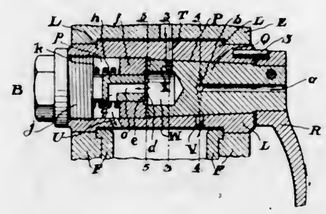
4. A powder puff having a flexible cord or ribbon secured thereto, a powder containing receptacle attached to said cord, an opening in the puff adapted to secure the receptacle when not in use, and means for closing said opening.

1,465,567. TRANSLATING MATERIAL. MIRABEAU SIMS, Philadelphia, Pa. Filed Feb. 11, 1920. Serial No. 357,949. 12 Claims. (Cl. 302—17.)



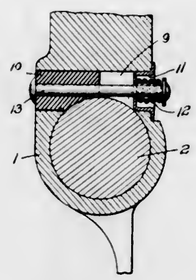
1. In a pneumatic translating device for barges or other floating vessels, the combination of an expansion tank, means including an exhaust pipe adapted to be connected with said tank for producing a pressure less than atmospheric therein, a material pipe leading from the hold of the vessel and adapted to be connected with said tank, means connected with the vessel for supporting the tank, and means for arbitrarily moving the tank to the required elevation for connection with said pipes for translating the material and for lowering the tank when the translating device is not operating.

1,465,568. REDUCING VALVE FOR ROCK DRILLS. ALBERT H. TAYLOR, Easton, Pa., assignor to Ingersoll-Rand Company, Jersey City, N. J., a Corporation of New Jersey. Filed July 6, 1920. Serial No. 394,274. 1 Claim. (Cl. 121—9.)



In a reducing valve controlling the air pressure in the air feed element of a rock drill of the hammer type, a valve chest formed with a valve hole for receiving a two part plug valve, one part having longitudinal movement and being spring pressed against the other rotatable part, the meeting faces of the two parts being serrated or toothed, whereby the rotatable part is retained in different desired positions of rotation, ports and passages in the valve chest and in the plug valve adapted to fully open the supply to the air feed element when the valve is in one position, rotation of the plug gradually decreasing the supply opening until it approaches a minimum, further rotation from this point gradually closing the supply entirely and gradually opening the exhaust until the same is fully open.

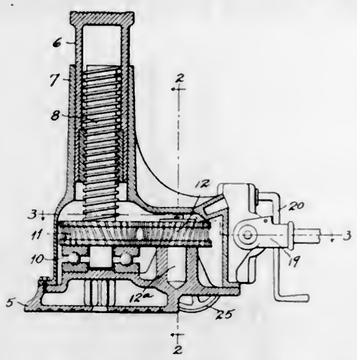
1,465,569. RATCHET-JACK-SHAFT BRAKE. EDWIN E. ARNOLD, Pittsburgh, Pa., assignor to Rees Manufacturing Company, a Corporation of Pennsylvania. Filed Jan. 28, 1920. Serial No. 354,730. 6 Claims. (Cl. 188—81.)



1. In combination in a jack, a frame having a brake shoe guide formed therein, an operating mechanism associated with said frame, a brake shoe located in said guide and slidable thereabong to engage a rotatable member of said operating mechanism, and a spring for yieldingly pressing said shoe against said member.

1,465,570. LIFTING JACK. EDWIN E. ARNOLD, Pittsburgh, Pa., assignor to Iron City Products Company, a Corporation of Pennsylvania. Filed May 29, 1920. Serial No. 385,302. 9 Claims. (Cl. 254—103.)

1. In a jack, a ram, in combination with an operating mechanism therefor, comprising two intermeshing spiral gears, worm engaging teeth formed on each gear of substantially the same nominal pitch and spiral angularity



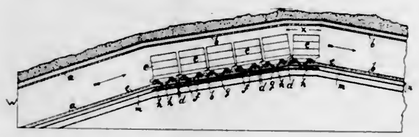
as the spiral teeth of the gear, and a right and left hand worm meshing with the worm engaging teeth of both gears.

1,465,571. PRESS STUD. ANTÉNOR ASSORATI, Paris, France. Filed May 31, 1923. Serial No. 642,673. 10 Claims. (Cl. 24—216.)



1. A press stud comprising, two members, one of said members being provided with a head and a contracted neck portion, the other member having an opening for the passage of the said head therethrough and a slot adjacent said opening for the reception of the neck portion, and means carried by said last named member arranged to engage the head for yieldingly retaining the neck portion in said slot.

1,465,572. TUNNEL OVEN OR KILN FOR FIRING POTTERY AND OTHER WARE. CHARLES FREDERICK BAILEY, Lawton, England. Filed July 12, 1922. Serial No. 574,521. 5 Claims. (Cl. 25—142.)

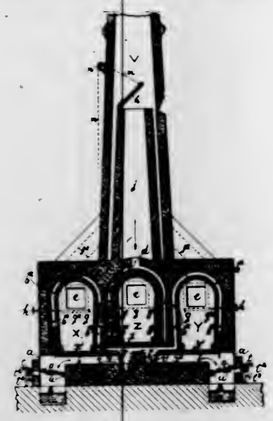


1. In an oven or kiln, a heating tunnel having inclined end portions and guide tracks, wheeled carriers guided by the said tracks, an endless conveyer device arranged longitudinally of the tunnel, and arms hinged to the said conveyer device and disengageably connected with said carriers and operating to move them along the tracks and discharge them at the outlet end of the tunnel.

1,465,573. KILN FOR FIRING POTTERY AND OTHER WARE. CHARLES FREDERICK BAILEY, Lawton, Chester, England. Filed Sept. 22, 1922. Serial No. 589,805. 5 Claims. (Cl. 25—144.)

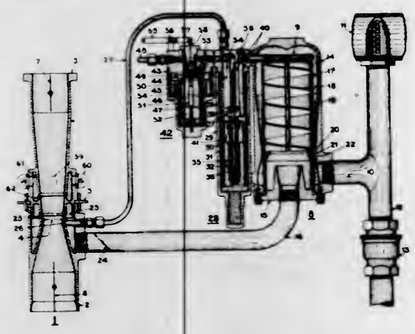
1. In firing apparatus of the class described, three kilns arranged side by side, a chimney common to the three kilns, the center kiln being provided with a horizontal heating flue extending under it and a heating flue

extending around it and communicating with the said chimney at its outlet end and with the horizontal flue at its inlet end, and the outer kilns having heating flues extending around them and communicating at their outlet



ends with the said horizontal heating flue, and fireplaces arranged at the outer sides of the outer kilns and provided with flues extending under the outer kilns and communicating with the inlet ends of their said heating flues and with the said horizontal heating flue.

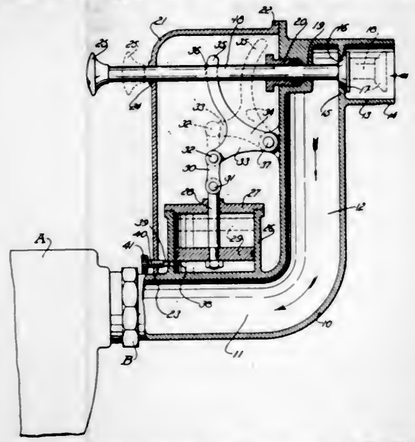
1,465,574. CARBURETOR. BRYANT BANNISTER, Pittsburgh, Pa., assignor to Bannister Motor Appliance Company, a Corporation of Pennsylvania. Filed Nov. 11, 1919, Serial No. 337,280. Renewed July 12, 1923. 26 Claims. (Cl. 123—133.)



1. The method of carburetion which comprises vaporizing a liquid fuel by the heat of gas from an engine exhaust, subjecting the higher boiling constituents of the fuel separately from the lower boiling constituents thereof to the heat of the exhaust gas while at its highest temperature, forming a physical mixture of vaporized fuel and exhaust gas, and commingling such mixture with air to form a combustible mixture.

1,465,575. FLUSHOMETER. STEEN A. BERG, Bridgeport, Conn. Filed June 4, 1921. Serial No. 475,046. 4 Claims. (Cl. 137—93.)

1. A flushometer comprising a fitting, a valve casing therein, a valve stem slidable in the fitting and carrying a valve, a piston chamber associated with the fitting, a pistonhead in said chamber, and an operative connection between said valve stem and pistonhead, the connection including a plunger rod secured to the piston



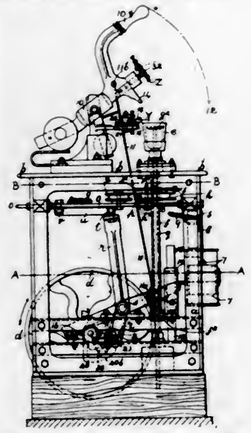
head, and a lever secured to the plunger and slidably engaging said valve stem.

1,465,576. INDEX TAG. THOMAS G. BIGGS, Lake Providence, La. Filed Sept. 29, 1922. Serial No. 591,341. 2 Claims. (Cl. 40—23.)



1. An index tag comprising a blank folded upon itself to provide a head, fingers projecting from the ends of the folded portions to receive between them the leaf to be indexed, an anchoring spur projecting from one of said fingers and located opposite and close to the end of the other finger, and means at opposite sides of the fingers restraining the folded portions of the head from separation.

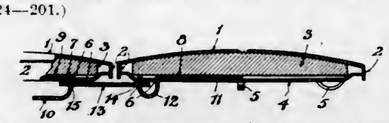
1,465,577. MACHINE FOR USE IN THE MANUFACTURE OF TEACUPS, BREAKFAST CUPS, BEAKERS, AND OTHER VESSELS OR ARTICLES OF POTTERY. ELIJAH BROOKES, Stoke-on-Trent, England. Filed Aug. 12, 1922. Serial No. 581,436. 5 Claims. (Cl. 25—22.)



1. In a pottery machine, a chuck for holding the article provided with a vertical driving shaft, a lever pivoted to rock in a horizontal plane and provided with

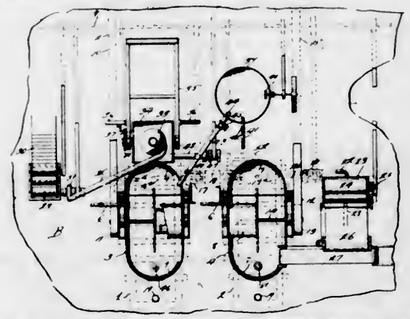
a knife for cutting off the upper part of the article when revolving with the chuck, an arm pivoted to work in a vertical plane and provided with a projection which operates the said lever when the arm is lowered, and a rounding tool carried by the said arm and engaging with the rim of the article after its upper part has been cut off by the knife.

1,465,578. GARMENT-FASTENING DEVICE. JAMES B. CAROLIN, Newark, N. J., assignor to City Button Works, New York, N. Y., a Corporation of New York. Filed Jan. 24, 1923. Serial No. 614,587. 4 Claims. (Cl. 24—201.)



3. A device of the class described comprising a button having a cup-shaped covering member, a back plate frictionally held within the same, a slot in said back plate adjacent its edge, an elongated plate held between said back plate and covering member, said elongated plate extending through said slot and having one of its ends terminating in a hook at the rear of the back plate, said hook being adapted to engage with a portion of another fastening member.

1,465,579. PULP-MAKING MACHINE. HARRY ELLWOOD ELLIS, Leesburg, Fla. Filed Mar. 19, 1920. Serial No. 367,052. 3 Claims. (Cl. 92—6.)



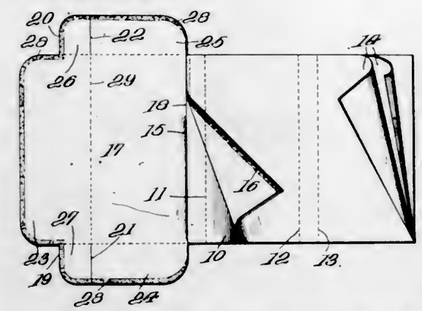
3. An apparatus for reducing fibrous material to a pulp, said apparatus comprising a shredding machine, a beating machine disposed adjacent the shredding machine, a separator disposed above and adjacent one end of the beating machine, means for conveying materials from the shredding machine to the separator, a tiltable material receiving receptacle disposed beneath the separator and adjacent one end of the beating machine, a stuff chest disposed below the beating machine, a valve controlled passage of communication between the beating machine and the stuff chest, means for supplying steam to the beating machine and means whereby excess steam collected in the stuff chest will be exhausted.

1,465,580. NOZZLE. JAMES C. FINDLAY, San Francisco, Calif. Filed Apr. 15, 1920, Serial No. 374,192. Renewed July 9, 1923. 2 Claims. (Cl. 299—114.)



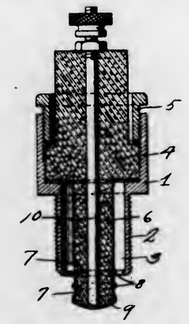
1. In a nozzle for spraying solutions of greater specific gravity than water, a conical portion provided with a conical chamber therein, an offset pipe coupling connected to said portion, an aperture connecting the chamber at the base of the conical portion with the coupling, the aperture being of small area relative to the coupling and arranged tangentially of the walls of the conical chamber, a solid pin rigid with the base of the conical chamber and extending upwardly coaxial with the same, said pin having a flattened end, the volume of the pin being small as compared to the volume of the chamber, and a passageway at the apex of the conical chamber for the fluid to be sprayed, said flattened end of the pin terminating below said passageway.

1,465,581. WRAPPER. JAMES HURBERT JOHNSON, Washington, D. C. Filed Nov. 28, 1922. Serial No. 603,870. 3 Claims. (Cl. 229—87.)



1. A wrapper comprising a relatively stiff member adapted to enclose an article to be wrapped, a flexible sheet of wrapping paper secured at one of its edges to an edge of said stiff member and projecting therefrom, said flexible paper being greater in extent than the edge to which it is secured, said excess extent formed into tabs upon said flexible paper and a tab upon the remaining free edge of said flexible paper, said tabs adapted to enclose the end edges and a side edge of the parcel formed by enclosing an article in said stiff board.

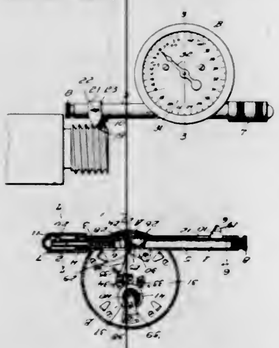
1,465,582. SPARK PLUG. SAMUEL F. LEAGER and FRANK H. VLIET, Sportswood, N. J. Filed Sept. 2, 1921. Serial No. 497,821. 1 Claim. (Cl. 123—169.)



A spark plug comprising a shell, an insulator disposed in said shell and having its lower end spaced from the inner wall of the shell and its extreme lower end extending beyond the lower end of the shell, an annular inwardly extending integral flange carried by the lower end of the shell, split rings formed from conductor material surrounding the lower end of the insulator and disposed in annular grooves therein, the upper ring being in the same horizontal plane as the annular inwardly extending flange, an electrode extending through the insulator, a conductor cap carried by the lower end of the electrode and

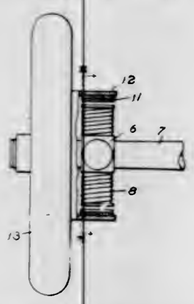
provided with an upwardly extending annular flange, said inwardly extending annular flange carried by the casing, split rings and upwardly extending flange, carried by the conductor cap being equidistant from each other.

1,465,583. THREAD GAUGE. ARLO F. MILEY, Pontiac, Mich. Filed Dec. 9, 1919. Serial No. 343,523. 7 Claims. (Cl. 33—147.)



1. A thread gauge comprising an indicator, a movable actuating member connected with the indicator, a casing for the actuating member, means respectively on the actuating member and casing for straddling a screw thread and moving the actuating member for ascertaining its pitch, and means located between and connected with the actuating member and the indicator for converting the irregular movement of the actuating member into a regular movement of the indicator.

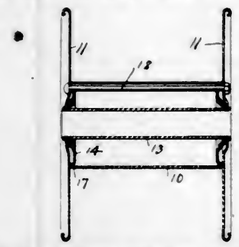
1,465,584. ELECTRIC BRAKE. OSWELL MCCULLOUGH and DEWEES E. BROWN, Donora, Pa. Filed Nov. 9, 1922. Serial No. 599,868. 5 Claims. (Cl. 188—104.)



1. In combination with the frame and running gear of a vehicle, an electric generator having its rotor element operatively coupled to a rotating element of the running gear, and its stator element mounted on a non-rotating part of the frame, manually controlled means for varying the current output of the generator and thereby varying the retarding effect on the running gear.

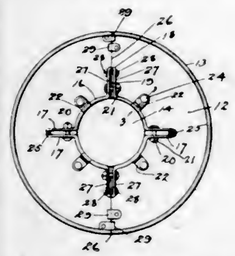
1,465,585. SPOOL. FRANK MOSSBERG, Attleboro, Mass., assignor to Mossberg Pressed Steel Corporation, Attleboro, Mass., a Corporation of Massachusetts. Filed Oct. 8, 1920. Serial No. 415,585. 1 Claim. (Cl. 242—118.)

A spool of sheet material comprising a tubular body having a head at either end, and a separate disk at either end of the body having its outer face set adjacent to and its central portion secured against the inner face of its head, the peripheral edge of said disk being of a size to



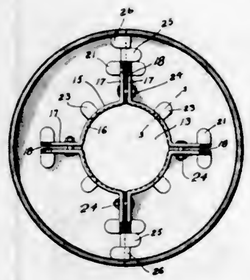
tightly fit and centralize said body, said edge being turned or rounded from its inner face outwardly to facilitate the forcing of said tubular body thereonto.

1,465,586. BEAM HEAD. FRANK MOSSBERG, Attleboro, Mass., assignor to Mossberg Pressed Steel Corporation, Attleboro, Mass., a Corporation of Massachusetts. Filed Oct. 8, 1920. Serial No. 415,587. 3 Claims. (Cl. 242—124.)



1. A beam-head comprising a main disk-plate, a contractible hub member comprising a plurality of sections each formed of a strip of yieldable material set edgeways against said plate and adjustably connected thereto, each section of said hub member being provided with a pair of radiating arms one at either end thereof fulcrumed at their outer ends and normally separated at their inner ends, an independent member on said plate intermediate said arms adjustably connecting each strip segment to said plate, and means acting on said arms to contract said hub about the beam.

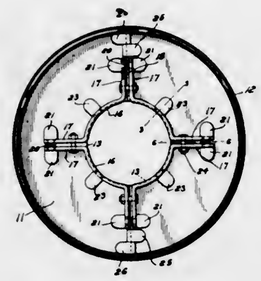
1,465,587. BEAM HEAD. FRANK MOSSBERG, Attleboro, Mass., assignor to Mossberg Pressed Steel Corporation, Attleboro, Mass., a Corporation of Massachusetts. Filed Nov. 28, 1921. Serial No. 518,228. 3 Claims. (Cl. 242—124.)



1. A beam-head comprising a main disc plate, a hub member on said plate formed of a plurality of sections, each having its end turned outwardly at right angles to

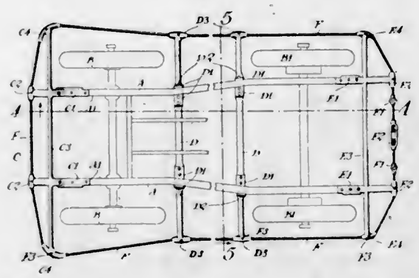
each other and set edgeways against said plate, the ends of said arms being slotted, and an attaching lug having its end riveted into said slot and having its body portion welded to the face of said plate, and binding bolts through the adjacent arms of the different sections for contracting the hub to bring the head in adjusted position thereon.

1,465,588. BEAM HEAD. FRANK MOSSBERG, Attleboro, Mass., assignor to Mossberg Pressed Steel Corporation, Attleboro, Mass., a Corporation of Massachusetts. Filed Apr. 18, 1922. Serial No. 554,909. 8 Claims. (Cl. 242—124.)



4. A beam-head comprising a disc plate, a contractible hub formed in sections and having radiating arms mounted on said plate, said arms being adjustably connected to said plate to be moved about bodily thereon, and means for drawing said sections toward each other.

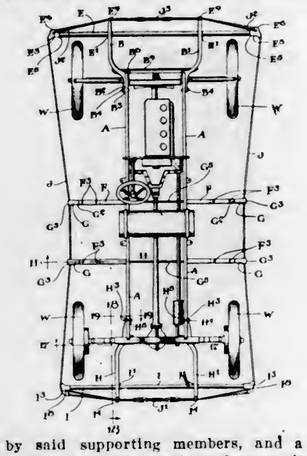
1,465,589. AUTOMOBILE FENDER. COWAN RODGERS, Knoxville, Tenn. Filed Aug. 7, 1922. Serial No. 580,127. 27 Claims. (Cl. 293—55.)



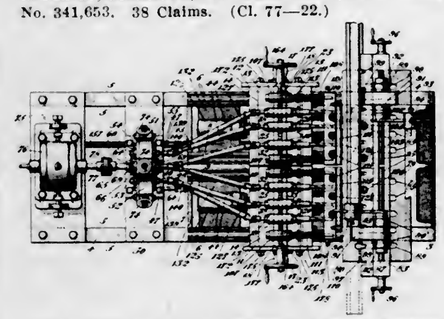
1. The combination with the frame of an automobile, of supporting members extending outward at the ends and sides of the automobile, and a tension member extending around and spaced from the automobile and supported by said supporting members, substantially as described.

1,465,590. AUTOMOBILE FENDER. COWAN RODGERS, Knoxville, Tenn. Filed Mar. 29, 1923. Serial No. 628,511. 47 Claims. (Cl. 293—55.)

1. The combination with the frame of an automobile, of supporting members extending outward at the ends and sides of the automobile, a main tension member extending around and spaced from the automobile and supported by said supporting members, and a secondary tension member supported by the end supporting members, substantially as described.



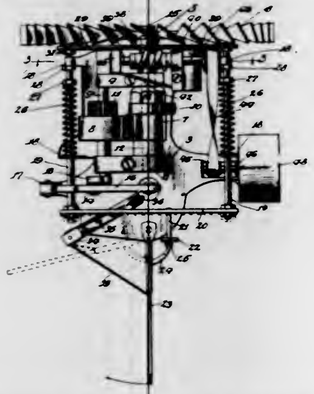
1,465,591. MULTIPLE-DRILLING MACHINE. ELMER S. SEAVEY, Johnstown, Pa. Filed Dec. 1, 1919. Serial No. 341,653. 38 Claims. (Cl. 77—22.)



1. In a drilling machine, comprising a frame, a reciprocating carriage, a drill-spindle journaled on the carriage, a pinion housing mounted on the frame, a main drive shaft forming a direct drill-spindle driving shaft having a gear mounted thereon journaled in the pinion housing, a drill-spindle driving shaft having a pinion thereon meshing with the gear mounted on the main driving shaft, a connection between the drill-spindle driving shaft and the drill-spindle, and a hand screw bolt for throwing the pinion on the drill-spindle driving shaft into and out of mesh with the gear on the main driving shaft.

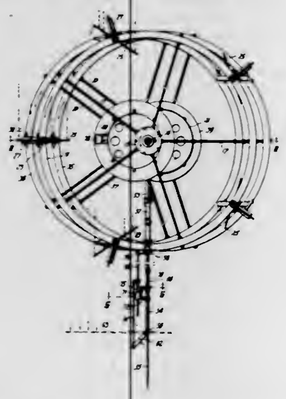
9. In a drilling machine, comprising a pinion housing, a main drive shaft having a gear mounted thereon journaled centrally in the pinion housing, a plurality of drill-spindle driving shafts each having a pinion mounted thereon for meshing with the gear on the main drive shaft and journaled in movable bearings in the pinion housing arranged around the periphery of the gear on the main drive shaft, said movable bearings for the drill-spindle driving shafts having bosses extending therefrom into slots in the pinion housing, a wheel screw bolt having its inner end attached to each of the movable bearings of the drill-spindle driving shafts, and each wheel screw bolt extending through a threaded opening in the pinion housing, and a hand wheel on the outer end of each wheel screw bolt for throwing the pinions on the drill-spindle driving shafts into or out of mesh with the gear on the main drive shaft.

1,465,592. WINDMILL. JOHN B. ALTMAN, Aurora, Ill. Filed Sept. 24, 1921. Serial No. 502,865. 1 Claim. (Cl. 170—48.)



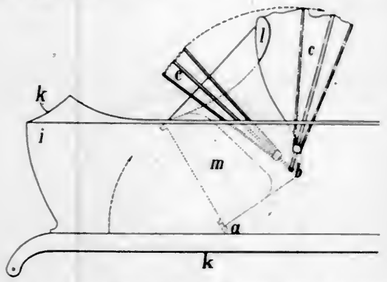
In a windmill, the combination of a platform, a main driving shaft mounted upon the platform and having a wind wheel secured thereto, means for transmitting motion from the said shaft to elements to be driven, a governor disc disposed adjacent the wind wheel parallel therewith and concentric with the main driving shaft, governor rods secured to said disc and extending therefrom parallel with the main driving shaft and slidably mounted upon the platform, tension springs acting upon the governor rods to normally hold the governor disc toward the wind wheel, a vane pivotally mounted upon the platform, a bracket extending laterally from the vane, a cross bar connecting the governor rods, and an arm extending from said cross bar and bearing against the bracket on the vane whereby excessive wind pressure upon the governor disc will turn the vane to one side and stop the operation of the wind wheel.

1,465,593. FEATHERING MECHANISM FOR PADDLE-TYPE STREAM MOTORS AND PROPELLERS. JOHN FITZALLAN BARRETT, Newport, JOHN ERNEST BARRETT, Katoomba, and FRANK ALFRED WYATT, Newport, New South Wales, Australia. Filed Sept. 30, 1921. Serial No. 504,409. 5 Claims. (Cl. 170—25.)



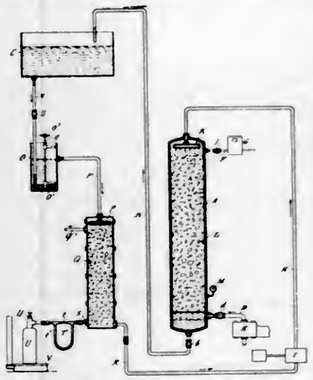
1. Feathering mechanism for vanes of stream motors comprising a motor spindle, a train of epicyclic gearing keyed to said spindle, a hollow hub surrounding said gearing, an internal ring of teeth on said hub, a lantern cage mounted on said motor spindle, vanes pivotally mounted in said cage, a member carrying the spindles of the epicyclic gearing, and rotatable relatively to said hub, oppositely disposed eccentric discs on said hub, eccentric straps on said discs, and gang rings carried by said straps.

1,465,594. MOTOR-CAR BODY AND COLLAPSIBLE TOP THEREFOR. JACQUES BOTELLA, Paris, France. Filed Mar. 8, 1922. Serial No. 542,093. 2 Claims. (Cl. 296—136.)



1. In an automobile body, in combination, a movable seat, a collapsible top including bows pivoted to the lateral surfaces of the seat, a housing provided between the rear portion of the body and the seat for the lodgment of the top when collapsed, the seat being adapted to occupy two positions, one in which it permits the passage of the top between the seat and the body so that the top may be received in the housing and the other, its position of use, in which it conceals the collapsed top.

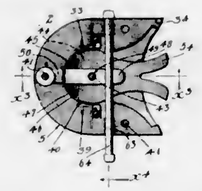
1,465,595. MANUFACTURE OF CHLORHYDRIN. BENJAMIN T. BROOKS, Bayside, N. Y., assignor, by mesne assignments, to Carbide and Carbon Chemicals Corporation, a Corporation of New York. Filed June 20, 1918. Serial No. 240,907. 6 Claims. (Cl. 260—157.)



1. The process of making chlorhydrins of unsaturated hydrocarbons which consists in subjecting such hydrocarbons under pressure greater than atmospheric to the action of an aqueous solution containing not more than 0.15 per cent of hypochlorous acid.

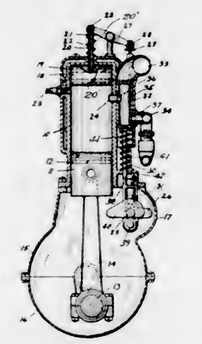
4. The process of making chlorhydrins of the olefines, which consists in alternately charging a solution with hypochlorous acid and removing the hypochlorous acid by contacting an olefine with it, whereby chlorhydrins are formed in the solution, repeating the alternation of steps to form more chlorhydrins in the solution, and removing the chlorhydrins from the solution before the concentration of chlorhydrins therein exceeds 7%.

1,465,596. DIRECTION AND STOP SIGNAL. WILLIAM D. COLLINS and GEORGE W. H. ALLEN, Cazenovia, N. Y. Filed Mar. 29, 1919. Serial No. 286,089. 3 Claims. (Cl. 177—337.)



2. The combination with the steering gear of a vehicle, of means including a forked member operatable to different positions to close different electric circuits, and a finger connected with the steering gear and engaging the fork when the steering gear is in the straight ahead position, said finger disengaging the fork when the steering gear is operated a predetermined extent to effect turning of the vehicle to one side or the other.

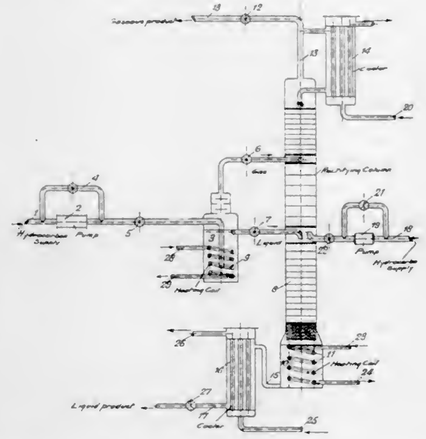
1,465,597. INTERNAL-COMBUSTION ENGINE. EDWARD C. CORDELL, San Francisco, Calif. Filed Dec. 23, 1919. Serial No. 347,048. 1 Claim. (Cl. 123—78.)



An internal combustion engine comprising a cylinder of constant diameter provided with a head having an opening therein, a main piston working within the cylinder, an auxiliary piston within the cylinder and normally spaced from the main piston, a hollow valveless stem carried by the auxiliary piston projecting through the opening in the cylinder head and provided with ports therein, one of said ports opening direct to the atmosphere, while the other port opens to the space intermediate the auxiliary piston and the cylinder head for relieving the vacuum, a rocker arm contacting with the stem, and means for operating the rocker arm and main piston to bring the pistons together during the exhaust stroke of the engine.

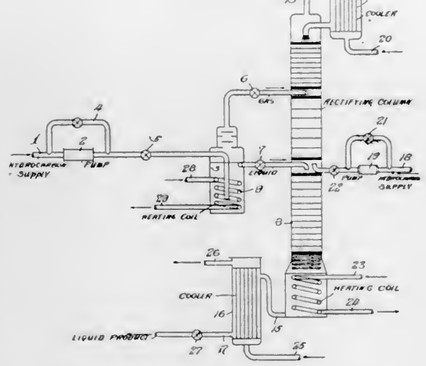
1,465,598. PROCESS FOR THE TREATING OF HYDROCARBONS. JAN HEINRICH CHRISTOPH DE BREY, The Hague, Netherlands. Filed June 1, 1918. Serial No. 237,801. 14 Claims. (Cl. 196—25.)

1. The process of treating mixtures of hydrocarbons containing a valuable liquid and a worthless gaseous component which comprises rectifying the mixture at a low temperature and at a superatmospheric pressure less than 20 atmospheres and correlating the pressure and the temperature range of rectification in such manner that the maximum temperature is sufficient to expel all the worthless component from the valuable component while the minimum temperature is sufficient to condense a portion of the worthless component whereby the last fractions of valuable component are washed out of the gaseous worthless component by the liquefied worthless portion thus condensed.



tions of valuable component are washed out of the gaseous worthless component by the liquefied worthless portion thus condensed.

1,465,599. PROCESS FOR TREATING HYDROCARBONS. JAN HEINRICH CHRISTOPH DE BREY, The Hague, Netherlands. Filed June 1, 1918. Serial No. 237,802. 11 Claims. (Cl. 196—25.)

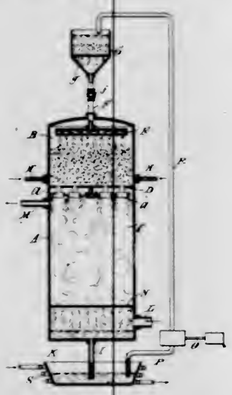


1. The process of treating mixtures of hydrocarbons containing a valuable liquid and a worthless gaseous component which comprises rectifying the mixture at a pressure not less than twenty atmospheres and correlating the pressure and the temperature range of rectification in such manner that the maximum temperature is sufficient to expel all the worthless component from the valuable component while the minimum temperature is sufficient to condense a portion of the worthless component whereby the last fractions of valuable component are washed out of the gaseous worthless component by the liquefied worthless portion thus condensed.

1,465,600. PROCESS OF SEPARATING OLEFINES FROM GASEOUS MIXTURES. BYRON E. ELDRED, Long Island City, N. Y., assignor, by mesne assignments, to Carbide and Carbon Chemicals Corporation, a Corporation of New York. Filed Jan 18, 1918. Serial No. 212,429. 6 Claims. (Cl. 260—170.)

1. In the treatment of a gaseous mixture comprising propylene, ethylene and saturated hydrocarbons to secure the concentration of the propylene, a process which comprises subjecting said gaseous mixture under pressure to the action of an absorbent adapted to preferentially absorb the propylene and freeing absorbed gas from the absorbent, thereby producing a gas having a relatively high propylene content.

1,465,601. PROCESS AND APPARATUS FOR THE MANUFACTURE OF CHLORHYDRINS. BYRON E. ELDRED, New York, and BENJAMIN T. BROOKS, Bayside, N. Y., assignors, by mesne assignments, to Carbide and Carbon Chemicals Corporation, a Corporation of New York. Filed May 3, 1918. Serial No. 232,228. 4 Claims. (Cl. 260—157

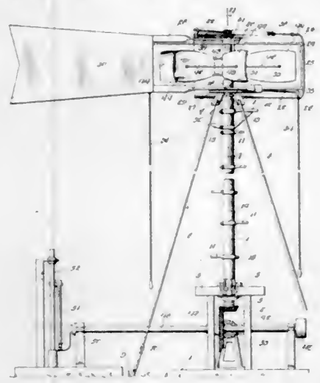


1. The process of making chlorhydrins, which consists in preparing a mixed solution of hypochlorous acid and borate, contacting an unsaturated hydrocarbon in gaseous state with said mixed solution, whereby chlorhydrin, soluble chloride and boric acid are formed, treating the resultant solution to remove the boric acid, and finally recovering the chlorhydrin.

4. In an apparatus for the manufacture of halohydrins, the combination with a compartment, means for supplying a halogen gas to said compartment, means for showering a solution into contact with the halogen gas, a second compartment, means for passing the resultant solution from the first compartment to the second, means for supplying an unsaturated hydrocarbon in gaseous state to said second compartment to contact it with the said resultant solution, means for removing liquid from the second compartment, means for charging said liquid with a reagent, means for bringing said charged liquid into contact with a halogen gas, and means for bringing the resultant liquid into contact with an unsaturated hydrocarbon in gaseous state.

1,465,602. WINDMILL. GEORGE W. GENTRY, Yeager, Okla., assignor of one-fourth to Harry H. Diamond and one-fourth to John R. Dutton, both of Holdenville, Okla. Filed June 30, 1922. Serial No. 571,916. 4 Claims. (Cl. 170—15.)

1 In an apparatus of the character described, the combination of a frame, a platform supported by the frame, a stand pipe rising from the platform, a flange at the upper end of the stand pipe having depending lugs, guy wires having their upper ends secured to said lugs and their lower ends anchored, a drive shaft rotatably mount-

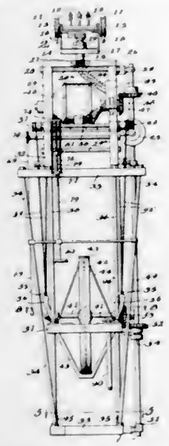


ed in the stand pipe, a horizontally disposed wind wheel secured to the upper extremity of the shaft, and means within the supporting frame for transmitting motion from the lowe rend of the shaft.

1,465,603. COMPOSITION FOR IMPREGNATING AND PRESERVING WOOD. LOUIS GOHMERT, Cuero, Tex. Filed Dec. 18, 1922. Serial No. 607,725. 3 Claims. (Cl. 99—12.)

3. The herein described wood preserving compound containing 70 to 90% of sodium fluoride, 10 to 20% of sodium dinitrophenolate, and about 5% of sodium phenol sulfonate.

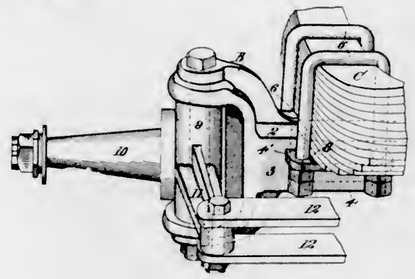
1,465,604. BEEF-CARCASS-SPLITTING MACHINE. JOHN STANLEY HUNTER, Manly, New South Wales, Australia. Filed Feb. 1, 1922. Serial No. 533,353 7 Claims. (Cl. 143—47.)



1. In a beef-carcass splitting machine, in combination, a travelling carriage, an upper frame suspended therefrom and capable of rotating in a horizontal plane, an electric motor carried on said upper frame, a lower frame suspended and distanced from said upper frame, guiding means extending between said upper and lower frames, an intermediate frame slidable in said guiding means, a circular saw on a spindle mounted horizontally on said

intermediate frame, means for conveying and controlling electric current to said motor, controlled means operated by the motor for moving said intermediate frame vertically in one direction, and gearing between the shaft of said motor and the saw spindle.

1,465,605. AXLE, SPRING, AND STEERING-KNUCKLE ASSEMBLY. JOHN R. KONETSKY, San Francisco, Calif., assignor to Reliance Trailer & Truck Co., Inc., San Francisco, Calif., a Corporation of California. Filed Oct. 13, 1919. Serial No. 330,247. 2 Claims. (Cl. 280—96.1.)



1. An axle, spring and steering knuckle assembly comprising a pair of steering knuckle forks, a substantially square axle, a socket member formed on each fork for the reception of the respective axle ends, each socket member comprising a pair of parallel side walls and a bottom section, and said side walls presenting upper surfaces disposed slightly below the upper surface of the axle, a pair of load bearing springs supported on the upper surface of the axle, one in alignment with each socket, a shoulder formed adjacent the inner end of each socket with which the springs engage and align and whereby they are secured against turning movement on the axle ends, U-clamps secured to each socket and straddling the springs, and a pin in each socket entering the axle ends and securing the sockets and forks against endwise movement on the axle ends.

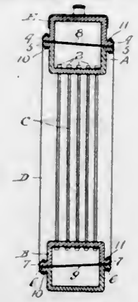
1,465,606. SAW SET. WILLIAM E. LEARY, Placerville, Idaho. Filed Oct. 26, 1921. Serial No. 510,453. 1 Claim. (Cl. 76—58.)



A saw set comprising a substantially U-shaped housing having a forming anvil portion, a forming member provided with a rack bar etxension slidable within the housing and having a hooked end extending adjacent the anvil portion of the housing, and a handle pivoted within the housing provided with a curved rack portion interfitting with the rack teeth of the extension to draw the hooked end of the forming member toward the housing as the handle is swung.

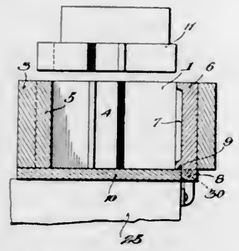
1,465,607. RADIATOR. HENRY A. MCCOY, Hamilton, and THOMAS G. ANDERSON, Ancaster, Canada. Filed May 8, 1922. Serial No. 559,415. 2 Claims. (Cl. 257—129.)

1. In a device of the class described, the combination with a radiator frame, of an upper tank, a lower tank, a header plate removably secured to the upper tank, a header plate removably secured to the lower tank, the adjoining surfaces of the upper tank and upper header plate having a rearward declivity, the adjoining surfaces of the lower tank and lower header plate having a rear-



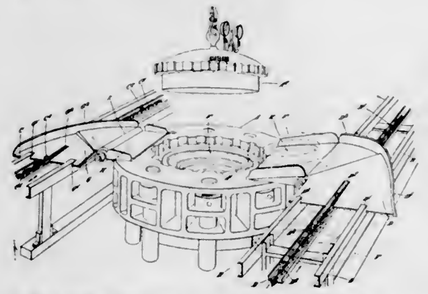
ward acclivity, and a plurality of tubes connecting said header plates and individually removable therefrom.

1,465,608. HEADER-BRICK MOLD. WALTER J. MCCOY, Omaha, Nebr.; Elizabeth McCoy administratrix of the estate of said Walter J. McCoy, deceased. Filed Mar. 18, 1922. Serial No. 544,749. 8 Claims. (Cl. 25—121.)



1. In a mold, a body having sides and ends and an open top and bottom, similar projections on the inner faces of the sides, a dovetail projection on the inner face of one end, a hinged pattern plate having a reduced lower side forming a shoulder and a pallet having an edge thereof engaged with the reduced lower side of the pattern plate and having the shoulder of said plate seated on its upper face whereby to hold the pattern plate in position and engaged within the adjacent mold wall.

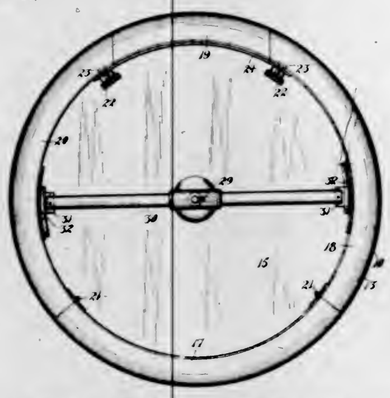
1,465,609. CONVEYER FOR VULCANIZING PRESSES. COLIN MACBETH and HARRY WILLSHAW, Birmingham, England, assignors to The Dunlop Rubber Company, Limited, Westminster, London, England. Filed Mar. 24, 1919. Serial No. 284,825. 7 Claims. (Cl. 198—188.)



1. Apparatus for use in supplying moulds to a vulcanizing press, comprising a track along which the moulds are moved by a moving chain having lugs for engaging

with the moulds and an inclined plate on said tracks having a slot therein through which the lugs on the chain pass during the movement of the chain.

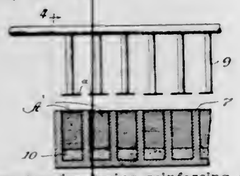
1,465,610. DIAPHRAGM AND METHOD OF MAKING SAME. EDWARD M. MORAN, Berkeley, Calif. Filed Apr. 21, 1920. Serial No. 375,586. 8 Claims. (Cl. 69—8.)



1. A device to form flexible meter diaphragms, comprising a base member, and an arcuate sectional; collapsible form adapted to be connected to the base and over which form a flexible meter diaphragm may be moulded.

8. A diaphragm forming device comprising sectional segments, each having an exterior curvature offset from one edge of the respective segments so as to provide an annular member having a curved portion over which the diaphragm is formed and an annular extension between the curved portion and the adjacent edge of said member, means to embrace said extension and hold the diaphragm against the extension, and means confined within the device to retain the segments in the aforesaid annular formation.

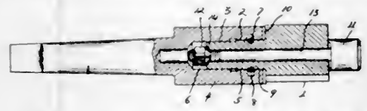
1,465,611. METHOD OF AND APPARATUS FOR LAYING REENFORCING PLATES IN THE MANUFACTURE OF TIRE LINERS. EDWARD J. MORAN, Chicago, Ill. Filed May 5, 1922. Serial No. 558,682. 3 Claims. (Cl. 154—9.)



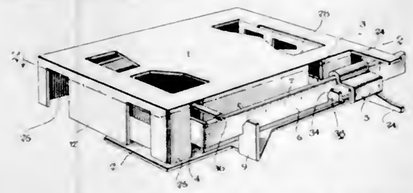
2. An apparatus for laying reinforcing plates in definite spaced relation to each other in the manufacture of tire liners, which consists of a container having a row of compartments equal in number to the aforesaid plates and each of a size and shape to receive a stack of such plates, and a lifter having a row of parallel fingers of uniform length projecting from one side thereof, the fingers having the same spacing as that of the plates in the liner, each compartment having a yielding cushion in the bottom thereof.

1,465,612. COUNTERBORE. WILLIAM S. MORSE, Detroit, Mich. Filed Sept. 30, 1921. Serial No. 504,527. 2 Claims. (Cl. 279—76.)

1. The combination of a tool holder having a socket provided with a cylindrical bearing portion at its outer end and a polygonal portion located inwardly from said cylindrical bearing portion, a tool having a shank provided with a cylindrical portion machined to close fit with the cylindrical bearing portion of said holder and also provided with a polygonal portion engaging the polygonal bearing portion of said holder, said polygonal portion being centered on the axis of said tool and having its faces symmetrically distributed with respect to the axis of said tool, and holding means engageable with the cylindrical portion of said tool arranged within the periphery of said holder and leaving it unbroken.

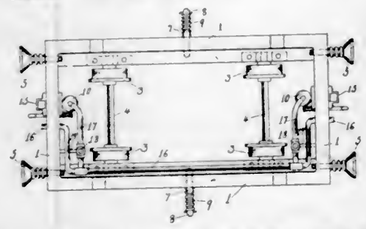


1,465,613. SCALE. MAX MICHAEL MUNK, Washington, D. C. Filed July 20, 1921. Serial No. 486,091. 10 Claims. (Cl. 265—49.)



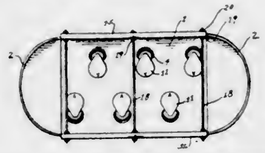
1. A scales, comprising a base and table of sheet metal, levers in bearing engagement with parts stamped and bent from the base and table, and means formed with certain of said stampings, bent out to admit the levers and bent back to retain them in bearing engagement and prevent the separation of the scale parts.

1,465,614. UNDERCARRIAGE AND BODY OF RAILWAY VEHICLES AND IN PLATFORMS TO BE USED THEREWITH WHEREVER A BREAK OF GAUGE OCCURS. EUGENE DUDLEY O'DONNELL, Glen Innes, Australia. Filed Nov. 27, 1922. Serial No. 603,668. 6 Claims. (Cl. 104—32.)



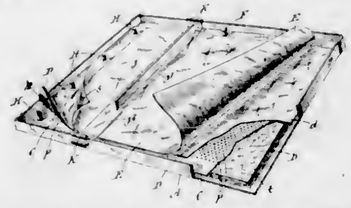
1. In undercarriages for railway vehicles, a cylinder at each end thereof, a piston within said cylinder, a piston rod fitted with a coiled spring, the lower end of said piston rod extending through the bottom of said cylinder, a vertical bar parallel with said cylinder and horizontally extending above the top of said undercarriage and capable of an up and down movement within a casing, a horizontal extension from the bottom of said vertical bar, said horizontal extension at its outer end being connected to the bottom of said piston rod, a main pipe for the conveyance of compressed air, branch pipes for conveying said compressed air from the main pipe through branch pipes to the top of said cylinders, to operate said piston and its appurtenant parts, locking pins projecting horizontally from each side of the undercarriage, and slots in the upper sides of the rectangular frame of the undercarriage, as and for the purpose described and as illustrated in the drawings.

1,465,615. ELECTROTHERAPEUTIC DEVICE. HENRY JOHN NELSON, Green Bay, Wis. Filed Dec. 3, 1921. Serial No. 519,622. 3 Claims. (Cl. 174—177.)



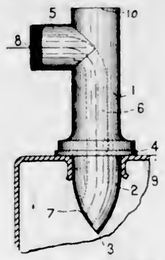
1. A portable therapeutic device comprising an apertured reflecting element having a cylindrically curved portion, lamp sockets supported from said body portion upon opposite sides of the median line thereof, lamps in said sockets converging toward the axis of said body portion, wiring for supplying current to said sockets exterior to said reflector, and a unitary base and guard at the rear of the reflector and connected thereto at its margins and at a point intermediate said sockets, said guard being bent between its points of connection with the reflector to constitute a housing for the wiring and to provide a base upon which the device will be stable in a plurality of positions.

1,465,616. DUPLICATOR. GEORGE REGINALD SCULTHORP, London, England. Filed Sept. 12, 1921. Serial No. 500,201. 3 Claims. (Cl. 101—125.)



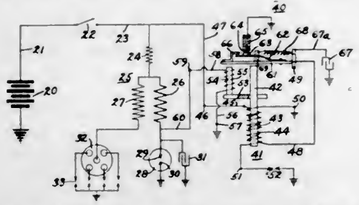
1. In combination in a duplicator, a perforated plate having slots in one edge, a reservoir pad supporting the same and adapted to be charged with printing fluid, an absorbent pad supported by said plate and provided with a pocket to receive that portion of said plate between the slots therein, and assist in retaining said pad on said plate and means for securing said pad on said plate in stretched relation thereto.

1,465,617. POURING SPOUT. BARNETT SHATZ, Buenos Aires, Argentina. Filed Oct. 25, 1921. Serial No. 510,302. 1 Claim. (Cl. 221—23.)



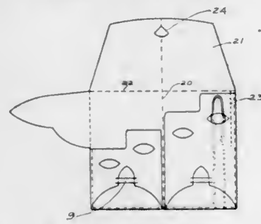
A pouring spout for vessels comprising a cylindrical body having a conical sharp-pointed integrally formed cutting end portion, an integral driving head at the opposite end, and an integral right-angled lateral projection adjacent said last mentioned end, an integral annular shoulder on said body at the base of said conical end portion, and a washer of resilient material arranged on said conical end portion against said shoulder and adapted to lie against the outer surface of the vessel to which said spout is applied, said body having an outlet channel therein which opens at one end through said conical end portion and at the other end through the end of said lateral projection.

1,465,618. IGNITION COIL. AUGUST TOELLE, Anderson, Ind., assignor to Remy Electric Company, Anderson, Ind., a Corporation of Indiana. Filed July 7, 1921. Serial No. 482,966. 4 Claims. (Cl. 123—148.)



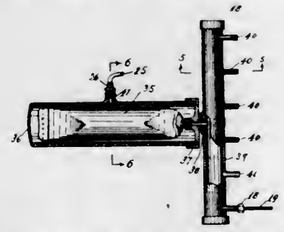
1. In an ignition system, the combination with engine ignition apparatus including a current source, igition coil, an engine operated timer and an engine spark plug; of a vibrator ignition coil; an auxiliary spark plug connected to said vibrator coil and means associated with said vibrator coil and controlled by said engine timer for permitting the vibrator coil to be operative only when the timer contacts are closed.

1,465,619. HAIRPIN HOLDER. FRANCIS WESLEY ALLING, Winstead, Conn. Filed Apr. 10, 1922. Serial No. 551,379. 3 Claims. (Cl. 206—66.)



1. A hair pin container formed from a single sheet of material, said container comprising spaced hair pin receiving pockets foldable upon each other, a securing flap extending outwardly from the outer side of one of said pockets and adapted to be received in a slot in the back wall of the adjacent pocket when said pockets are folded onto each other, a flap disposed above the pockets and provided with an aperture whereby the container in unfolded position may be suspended, said flap folding between the pockets when the pockets are folded upon each other.

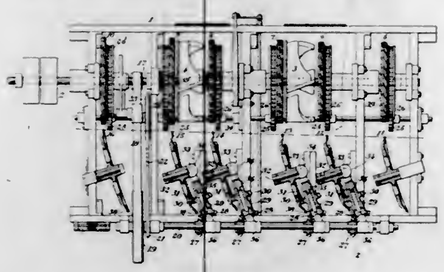
1,465,620. LUBRICATING SYSTEM. AVERIL P. ANDERSON, Bellevue, Pa. Filed Dec. 3, 1921. Serial No. 519,669. 3 Claims. (Cl. 184—39.)



1. In a lubricating system, an air-chamber; a collapsible metallic container for the lubricant positioned in said air-chamber; said container being closed at one end and

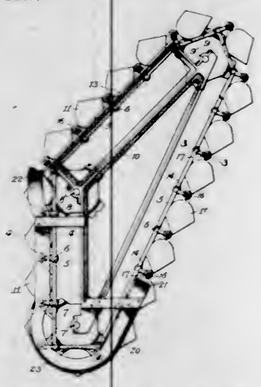
having an outwardly threaded connection for engagement with said air-chamber; means for permanently connecting said container to the parts to be lubricated, and means for connecting said air-chamber permanently to a source of fluid pressure acting substantially on all sides of said container; the ends of said container being originally so shaped as to produce a longitudinal flattening thereof.

1,465,621. ROSSING MACHINE. EVARISTE BERTHIAUME and ALVAREZ BERTHIAUME, St. Hyacinthe, Quebec, Canada, assignors to Ovide Brouillard, Montreal, Quebec, Canada. Filed Aug. 1, 1922. Serial No. 578,888. 6 Claims. (Cl. 144—208.)



1. In a rossing machine, the combination, with a rotary cutter, of a series of log rolling wheels increasing in diameter, from the intake to the ejection end of the machine, and a cooperating and similar series of log feeding disks.

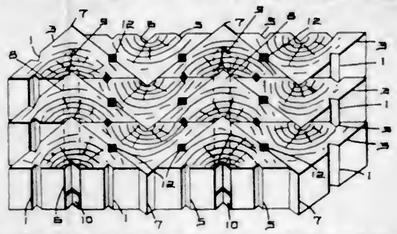
1,465,622. APPARATUS FOR CUTTING TRENCHES. EDWARD E. BITTNER, Chicago, Ill. Filed July 19, 1920, Serial No. 397,300. Renewed June 6, 1923. 7 Claims. (Cl. 198—137.)



1. In apparatus of the character described, the combination of an endless conveyor comprising links and buckets secured to the links, a supporting track, transversely movable devices on the links cooperating with the track to support the conveyor, and means for controlling said devices to bring them together when they are off the track, the track being disposed outside of the sides of the buckets.

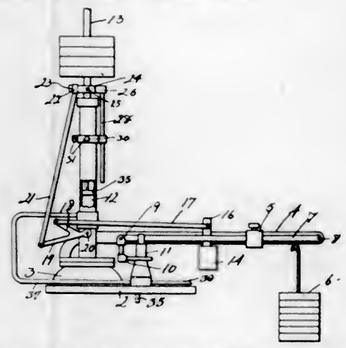
1,465,623. FLOORING. FRANK W. CHERRINGTON, Toledo, Ohio, assignor to The Jeanlson-Wright Company, Toledo, Ohio. Filed Aug. 3, 1920. Serial No. 401,026. 5 Claims. (Cl. 94—13.)

1. A pavement comprising blocks of triangular form alternately oppositely disposed in abutting relation in two intersection directions as grouped in a row, said rows as assembled forming other rows at right angles thereto,



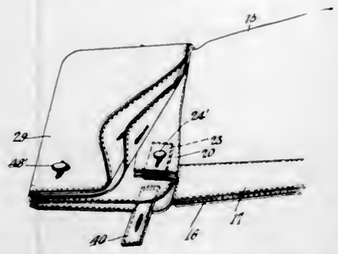
such other rows having blocks in one row disposed in one direction and the blocks in the adjacent row disposed in the opposite direction.

1,465,624. DAMPER REGULATOR. FRANCIS E. COLLINS, Conshohocken, Pa. Filed Jan. 26, 1922. Serial No. 531,850. 1 Claim. (Cl. 236—28.)



A damper regulator comprising in combination a controlling lever, means for raising said lever, a cylinder, a piston rod operating therein, a weight suspended from the controlling lever and movable lengthwise thereof, a bell crank lever, a stiff horizontal connecting member having one end attached to the weight and the other end pivoted to one arm of the bell crank lever, a stiff substantially vertical connecting member having one end pivoted to the other arm of the bell crank lever, a bracket fastened to the piston rod and to which is attached the other end of the last named connecting member whereby motion is transmitted from the piston rod to the weight, a guide rod fixed to the bracket, and a guide bracket mounted on the cylinder and having a hole therethrough for receiving the guide rod whereby the piston rod will be prevented from rotating.

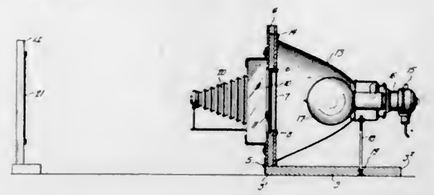
1,465,625. SHIRT. GEORGE PARKER CRAGIN, Spokane, Wash. Filed Oct. 1, 1919. Serial No. 327,685. 6 Claims. (Cl. 2—41.)



2. An article of apparel, comprising a sleeve portion, a longitudinal opening formed in the sleeve, abutting sides

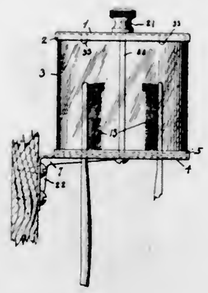
formed by the opening, a wrist-band secured on the end of the sleeve and having one of its ends terminating at a point slightly in rear of one abutting side of the sleeve and the opposite end of the band having a slight portion separated from the other abutting side of the sleeve; said last named portion being adapted to be folded upon itself, button-holes worked in each end of the band, and a detachable and double reversible fold soft cuff having link receiving button-holes in the ends thereof, a transversely arranged button hole formed at one end of inner fold of the reversible cuff, a tab secured adjacent the transversely arranged button hole and adapted to be drawn through the said button hole, a button hole arranged in the tab, a longitudinal button hole, arranged in an inner fold of the cuff at the end remote from the tab.

1,465,626. ILLUMINATOR FOR MAKING PHOTOGRAPHIC ENLARGEMENTS. HERBERT W. CRAIG, Chicago, Ill., assignor to Adele M. Craig, Riverside, Ill. Filed Feb. 7, 1921. Serial No. 443,180. 3 Claims. (Cl. 88—24.)



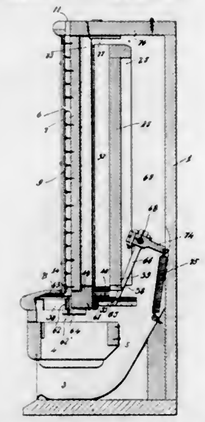
1. In an illuminator for making photographic enlargements, a base, a negative holding flat upright frame carried by the base, a lamp reflector attached light-tight directly against the rear face of the frame so as to project the light through a central negative holding opening in the frame, and means for attaching a camera directly against the front face of the frame so that the light projected through the negative when held in the opening will be projected through the camera lens.

1,465,627. TOOTHBRUSH HOLDER. FREDERICK W. FISHER and HARRY JOHNSON, Detroit, Mich. Filed Apr. 1, 1922. Serial No. 548,607. 1 Claim. (Cl. 248—63.)



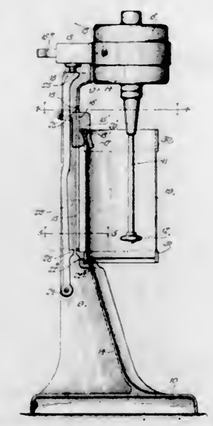
A tooth brush holder consisting of a shell and means to close its upper end, a base to support the shell, said base being formed with openings to admit the tooth brushes, a sheet of flexible material supported by the base and formed with slits which may be expanded by the tooth brushes to permit their insertion, and a partition within the holder comprising upright walls extending between the openings in the base, said walls each consisting of two thin plates and a strip of material between them adapted to absorb liquid disinfectant.

1,465,628. VENDING MACHINE. JOHN F. FITCH, Buchanan, Va. Filed Nov. 16, 1920. Serial No. 424,476. 5 Claims. (Cl. 194—80.)



1. A check controlled vending machine comprising a plurality of commodity stacks, ejectors for the stacks, each proportioned and contoured to eject a predetermined number of its corresponding commodity packages, means supporting the ejectors to slide freely to ejecting position, a spring-tensioned grid mounted to slide, said grid embodying a plurality of slots each embracing one of the ejectors and having a common side positioned to force all of said ejectors, to normal positions simultaneously, the proportions and relations of the said slots and ejectors being such that the grid may slide freely against the tension of the spring without affecting the ejectors, means to employ a check in any slot as a connector between that slot and the embraced ejector, chance controlled means to determine the introduction of the check into one of the several connecting positions, manual means to move the grid against the tension of the spring to actuate an ejector connected by the check and a receptacle positioned to receive the check when released by the release of manual stress.

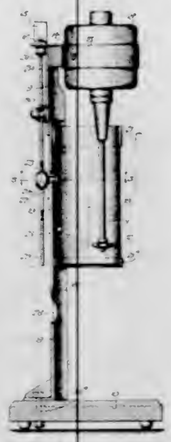
1,465,629. DRINK MIXER. RAYMOND B. GILCHRIST, Newark, N. J., assignor to The Gilchrist Company, Newark, N. J., a Corporation of New Jersey. Filed Mar. 1, 1922. Serial No. 540,190. 32 Claims. (Cl. 259—134.)



1. In a machine of the character described, the combination of a motor, an agitator driven thereby and sup-

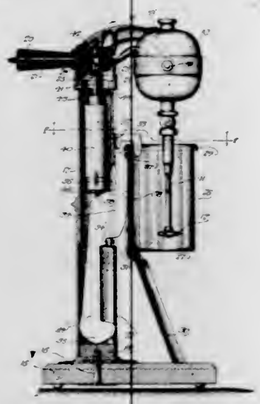
ported from above with sufficient clearance to permit a receptacle with an open top to be placed into operative position around the agitator, and vertically movable means to engage the upper margin of the receptacle and hold it while it is being manually shifted.

1,465,630. DRINK MIXER. RAYMOND B. GILCHRIST, Newark, N. J., assignor to The Gilchrist Company, Newark, N. J., a Corporation of New Jersey. Filed Mar. 8, 1922. Serial No. 541,910. 19 Claims. (Cl. 259—135.)



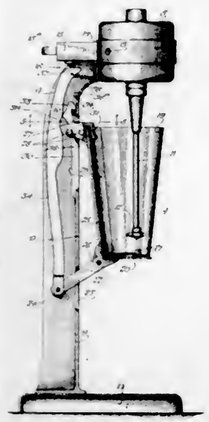
1. In a machine of the character described, the combination of a support, a motor, an agitator driven by the motor and supported from above with sufficient clearance to permit a receptacle with an open top to be placed into operative position around the agitator, a slideway for directing the receptacle while it is manually supported and is being shifted into operative position, and means to lock the receptacle to the slideway while it is being manually shifted into said position.

1,465,631. DRINK MIXER. RAYMOND B. GILCHRIST, Newark, N. J., assignor to The Gilchrist Company, Newark, N. J., a Corporation of New Jersey. Filed Mar. 8, 1922. Serial No. 541,911. 17 Claims. (Cl. 259—134.)



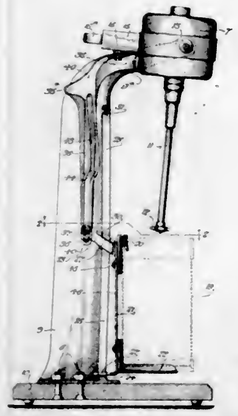
1. In a drink mixer, the combination of a support, an electric motor mounted on the support, an agitator driven by the motor and supported from above with sufficient clearance to permit a receptacle with an open top to be placed into its operative position around the agitator, and means to automatically retain the receptacle in its cooperative relation with the agitator upon manual manipulation of the receptacle itself into such relation, consisting of a hook connection for the upper portion of the receptacle and whereby it will be supported vertically and held laterally.

1,465,632. DRINK MIXER. RAYMOND B. GILCHRIST, Newark, N. J., assignor to The Gilchrist Company, Newark, N. J., a Corporation of New Jersey. Filed Mar. 15, 1922. Serial No. 543,869. 24 Claims. (Cl. 259—134.)



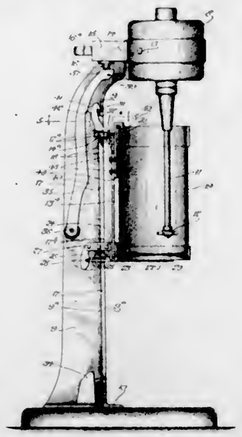
1. In a machine of the character described, the combination of a motor, an agitator driven thereby and supported from above with sufficient clearance to permit a receptacle with an open top to be placed into operative position around the agitator, a movable bottom support for the receptacle, and means operable positively by the manual shift of the receptacle to shift said support.

1,465,633. DRINK MIXER. RAYMOND B. GILCHRIST, Newark, N. J., assignor to The Gilchrist Company, Newark, N. J., a Corporation of New Jersey. Filed Mar. 17, 1922. Serial No. 544,399. 19 Claims. (Cl. 259—135.)



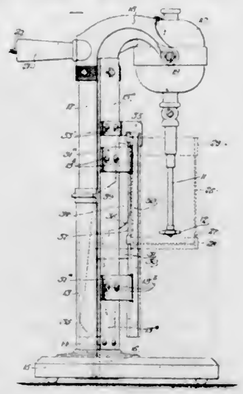
1. In a machine of the character described, the combination of a motor, an agitator driven by the motor, and means for automatically shifting the motor operable by manual manipulation of the receptacle itself into its operative position.

1,465,634. DRINK MIXER. RAYMOND B. GILCHRIST, Newark, N. J., assignor to The Gilchrist Company, Newark, N. J., a Corporation of New Jersey. Filed Mar. 20, 1922. Serial No. 545,004. 17 Claims. (Cl. 259—134.)



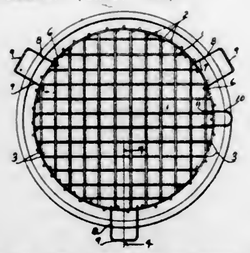
1. In a machine of the character described, the combination of a motor, a support for the motor, an agitator driven by the motor and supported from above with sufficient clearance to permit a receptacle with an open top to be placed into operative position around the agitator while the latter is in said position, upper and lower members for holding the receptacle shiftable by the manual manipulation of the receptacle itself to bring them into position to automatically hold the receptacle in its operative position, and means to adjust one of the members vertically relatively to the other to adapt them for holding receptacles of different heights in operative position.

1,465,635. DRINK MIXER. RAYMOND B. GILCHRIST, Newark, N. J., assignor to The Gilchrist Company, Newark, N. J., a Corporation of New Jersey. Filed Mar. 22, 1922. Serial No. 545,683. 14 Claims. (Cl. 259—134.)



1. In a machine of the character described, the combination of a support, an electric motor fixed to said support, an agitator driven by the motor and stationarily supported from above with sufficient clearance to permit a receptacle with an open top to be placed into its operative position around the agitator, and means for automatically holding the receptacle upon manual manipulation of the receptacle itself into said operative position comprising a bottom-supporting member shiftable laterally by the receptacle.

1,465,636. FLOWER HOLDER. JACOB H. GMELIN, San Jose, Calif., assignor of one-half to John A. Naismith, San Jose, Calif. Filed Sept. 19, 1922. Serial No. 589,263. 3 Claims. (Cl. 47—18.)



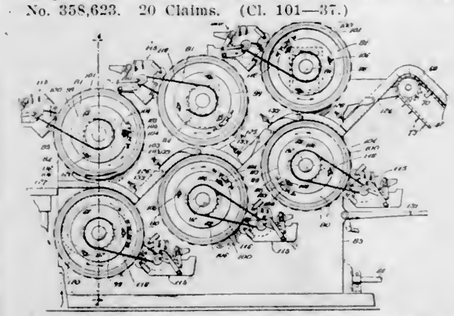
1. A device of the character indicated comprising, upper and lower foraminous elements spaced apart at their centers, and supporting means therefor.

1,465,637. PLAYBLOCK. SAMUEL G. GOSS, Glencoe, Ill., assignor to Halsam Products Company, Chicago, Ill., a Corporation of Illinois. Filed Jan. 26, 1920. Serial No. 353,953. 5 Claims. (Cl. 46—35.)



1. A prismatic playblock comprising hollow sheet metal sections with rounded corners, said sections being firmly secured together in block form.

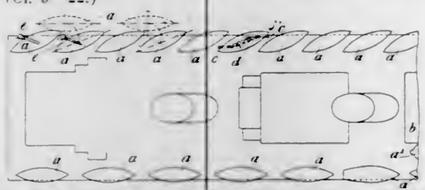
1,465,638. METHOD OF AND APPARATUS FOR MANUFACTURING AND PRINTING TOY BLOCKS. SAMUEL G. GOSS, Glencoe, Ill.; Central Trust Company of Illinois, executors of said Samuel G. Goss, deceased, assignor to Halsam Products Company, Chicago, Ill., a Corporation of Illinois. Filed Feb. 14, 1920. Serial No. 358,623. 20 Claims. (Cl. 101—37.)



2. Apparatus for manufacturing and printing blocks of the class described comprising a plurality of rollers arranged in pairs, each pair being adapted to bear on the edges of the blocks as the blocks are passed between

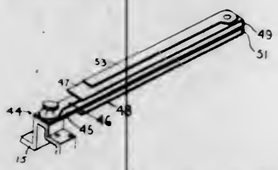
them whereby the edges are rounded, means to convey the blocks between the rollers, a pair of printing elements arranged to bear on opposite sides as the blocks are passed between them, and means adapted to carry the blocks from said rollers to and between said printing elements, whereby two sides of the blocks are printed simultaneously.

1,465,639. STOWAGE AND LAUNCHING OF SHIPS' LIFEBOATS. JOHN GRAHAM, Liverpool, England. Filed June 15, 1922. Serial No. 568,436. 2 Claims. (Cl. 9—22.)



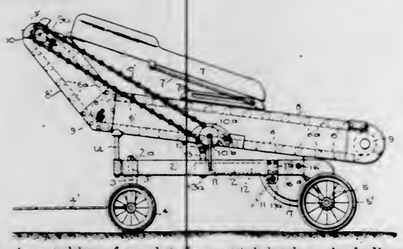
1. In a ship the combination of ships' life boats that are stowed in parallel formation along the deck obliquely to the centre line of the ship and partly overhanging the ship's side, and davits of the single, vertical-axis, swivelling, self-contained, independently-operated type for launching the boats, a davit being located between two boats and also being located with its vertical axis at or near the ship's side and outboard of a line extending parallel to the ship's side through the centres of the boats, so that the operator can observe the boat as it descends parallel with the ship's side.

1,465,640. TYPEWRITING MACHINE. ARTHUR A. JOHNSON, New York, N. Y., assignor to Underwood Typewriter Company, New York, N. Y., a Corporation of Delaware. Filed Sept. 11, 1920. Serial No. 409,625. 7 Claims. (Cl. 197—126.)



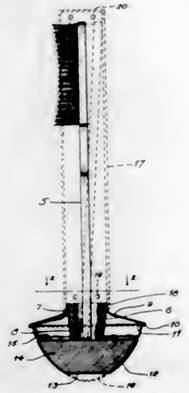
1. A carbon-holder for manifolding typewriting machines, comprising a bar supported at one end to extend therefrom into an open fold of a web, and a carbon-holding arm supported on the free end of the bar and extending parallel to the bar and toward the supported end thereof to enter a closed fold of the web formed by folding the portion of the web on one side of the first-mentioned fold into the latter.

1,465,641. MACHINE FOR CLEANING CATCH BASINS. RICHARD J. KELLY, Syracuse, N. Y. Filed Apr. 26, 1922. Serial No. 556,790. 9 Claims. (Cl. 198—118.)



1. A machine for cleaning catch-basins, including a horizontal frame, a swingable member pivoted to said frame, an endless conveyor supported in parallel relation to said frame, a housing for the conveyor universally pivoted to said member, means for swinging said housing and said member rearwardly for positioning said parts vertically above a catch-basin, means for moving said housing towards and away from said catch-basin, and means for operating said conveyor irrespective of the position of said housing.

1,465,642. BRUSH HOLDER. WALTER E. KEENE, Baltimore, Md. Filed June 2, 1921. Serial No. 474,403. 1 Claim. (Cl. 248—63.)



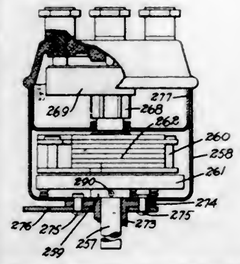
A brush holder comprising a base, a top crimped to said base, a weight secured in said base and a flexible bushing supported by said top and weight.

1,465,643. SENSITIVE PLATE, FILM, OR THE LIKE FOR COLOR PRINTS. WILLIAM V. D. KELLEY, Brooklyn, N. Y., assignor to Prizma, Incorporated, a Corporation of Maine. Filed Mar. 23, 1923. Serial No. 368,056. 8 Claims. (Cl. 95—2.)



1. As an article of manufacture, a support carrying sensitive photographic emulsion and having impressed therein a latent image comprising a subdivided additive screen design providing residual sensitive portions.

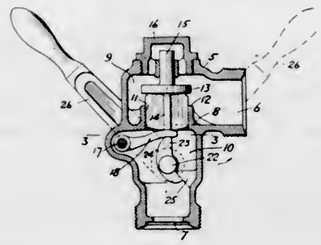
1,465,644. IGNITION APPARATUS. CHARLES F. KETTERING and WILLIAM A. CHRYST, Dayton, Ohio, assignors to The Dayton Engineering Laboratories Company, a Corporation of Ohio. Original application filed Oct. 4, 1915, Serial No. 55,160. Divided and this application filed Sept. 16, 1918. Serial No. 254,175. 3 Claims. (Cl. 200—22.)



1. In an ignition timer, the combination with a casing and a drive shaft supported for rotation thereby; of a disc mounted on said shaft; a plurality of laminated

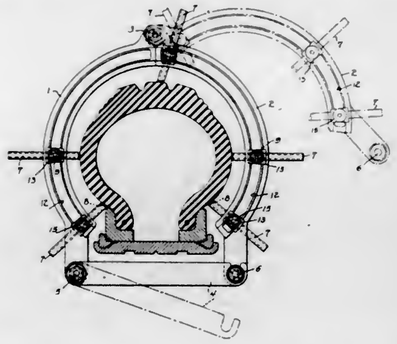
weight members pivotally mounted on said disc, each weight member having a bottom plate adjacent the disc provided with a notch and other plates mounted on said bottom plate; springs restraining movement of the weights located below the disc; a cam support mounted for rotation within the casing and having arms located in the plane of the bottom plates of the weight members, each arm being received by one of said notches; a timer cam mounted on the cam support above the weight members; breaker mechanism controlled by the cam; and a support for the breaker mechanism located between the cam and weights.

1,465,645. VALVE. STRICKLAND L. KNEASS, Philadelphia, Pa., assignor to William Sellers & Company, Incorporated, Philadelphia, Pa., a Corporation of Pennsylvania. Filed Mar. 3, 1922. Serial No. 540,741. 4 Claims. (Cl. 251—131.)



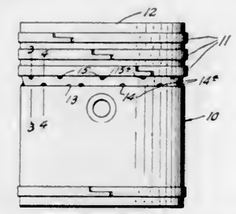
1. A hand operated locomotive drifting valve comprising a body, a septum dividing the body into a receiving chamber and a discharge chamber and provided with a passage, a gravity check valve controlling said passage, guides preventing lateral displacement of the valve by fluid pressure, and valve opening mechanism situated in the discharge chamber and comprising a cam and a pivoted lever adapted to be operated by said cam and transmit rectilinear motion to the valve.

1,465,646. CONTOUR CALIPER. HECTOR V. LOUGH, Hartford, Conn., assignor to The Hartford Rubber Works Company, a Corporation of Connecticut. Filed Nov. 30, 1921. Serial No. 518,749. 6 Claims. (Cl. 33—175.)



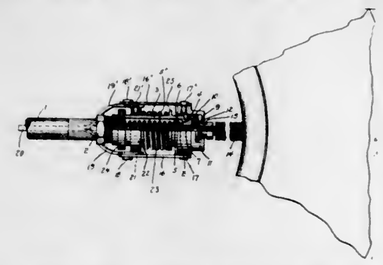
1. A contour-caliper comprising a frame having side-sections whose opposite ends are pivoted and latched together respectively for enclosure of a tire, and a plurality of fingers having laterally disposed pricking points supported by said side-sections.

1,465,647. PISTON. DORR S. LUDLAM, Oneonta, N. Y. Filed June 21, 1922. Serial No. 569,853. 2 Claims. (Cl. 74—108.)



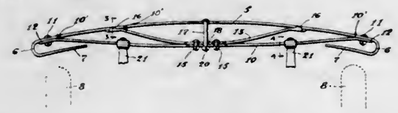
1. A piston for internal combustion engines provided at its upper end with the usual compression ring receiving grooves and having immediately below the lowermost of said grooves an oil groove, said piston being provided with a series of openings inclining downwardly toward the center of the piston and opening through the wall of the groove at the lower end thereof and another series of said openings opening through the wall of the groove at the upper end thereof, the uppermost series of openings being larger than the lower series of openings and being of insufficient size to carry off all of the oil collected by the compression ring adjacent the groove.

1,465,648. QUICK ACTING AND ATTACHABLE VALVE. GEORGE MCNEILL, Detroit, Mich., assignor to Morgan & Wright, a Corporation of Michigan. Filed Apr. 22, 1920. Serial No. 375,712. 4 Claims. (Cl. 284—19.)



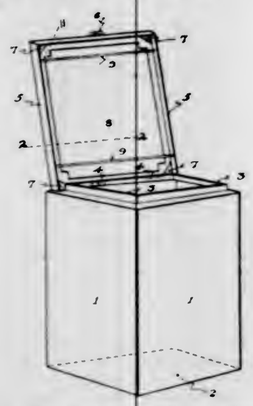
1. A valve having relatively movable telescoping body and clamp portions, a spring actuated plug normally closing the passage through the body, a toggle linkage anchored at one end to said clamp portion, yieldable fulcrums for the other end of said toggle linkage, and means for operating said toggle linkage to attach and open the valve or to detach and close the valve relative to a nipple on a hollow article.

1,465,649. AUTOMOBILE BUMPER. GEORGE S. MACLEOD and ANGUS P. MACLEOD, Seattle, Wash. Filed Mar. 22, 1923. Serial No. 626,787. 3 Claims. (Cl. 293—55.)



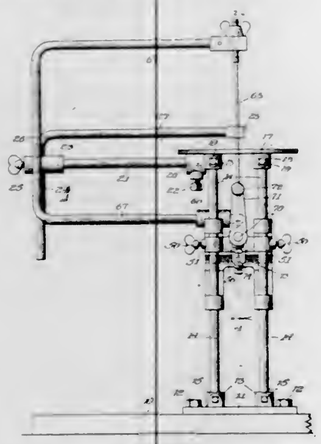
1. An automobile bumper comprising a bowed fender bar, a bowed supporting bar having its ends rigidly secured to the fender bar, and a supplemental bar interposed between the two first named bars and rigidly connected at its midlength to said supporting bar, the ends of said supplemental bar having its ends connected to the fender bar for relative lateral movements.

1,465,650. COOKY-CARTON DISPLAY COVER. JAMES R. MARTIN, Renton, Wash. Filed June 20, 1922. Serial No. 569,578. 1 Claim. (Cl. 220—82.)



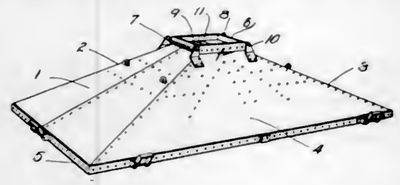
A device of the class described, comprising a rectangular body open at the bottom, an opening at the top located inwardly from the upper edges of the body and provided with an upstanding rim, the edges, rim and peripheral portions of the top adjacent the edges defining a shoulder forming section extending around the top, a cover hingedly connected with the rim, having a frame, a lip extending along each lower side of the frame for approximately its length, a glass disposed between the outer periphery of the frame and the lips, means for securing the glass to the frame, a lift, and a pair of transversely extending spring members slidably engaged between the lips and the glass adapted to exert tension on the glass.

1,465,651. SCROLL SAW. CARL A. MOBERG, Chicago, Ill., assignor to Northam Brothers Co., Inc., Chicago, Ill., a Corporation of Illinois. Filed Dec. 5, 1921. Serial No. 519,953. 1 Claim. (Cl. 143—71.)



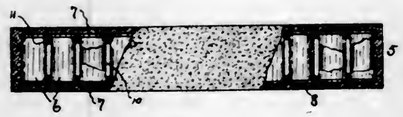
A scroll saw comprising a base plate, two vertically arranged parallel posts supported by the base plate, a work-supporting table mounted on the upper ends of said posts, a cross-head slidably mounted on said posts and carrying a saw frame, a saw blade mounted in the saw frame and extending through a hole in the work-supporting table, and means for reciprocating the cross-head on said posts, said means comprising a bridging member adjustably mounted on said posts and provided with a bearing having rotatably mounted therein a shaft carrying at one end an operating crank and at the other end a crank cooperating with a groove in the cross-head.

1,465,652. HEAT-DISTRIBUTING HOOD. FORD H. MOORE, Kansas City, Mo. Filed Oct. 28, 1921. Serial No. 511,025. 1 Claim. (Cl. 126—271.1.)



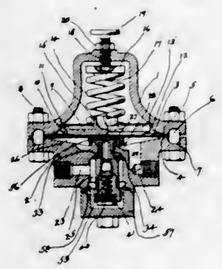
A hood for paving machines comprising a casing in the form of a truncated pyramid, the top of which is provided with a heat inlet opening, inverted V-shaped partitions within the hood and adjacent to the opening to provide a central heat passage way, and two end heat passage ways to distribute the heat uniformly within the hood.

1,465,653. WALL CONSTRUCTION. AXEL E. OLANDER, Omaha, Nebr. Filed Oct. 31, 1921. Serial No. 511,775. 1 Claim. (Cl. 72—16.)



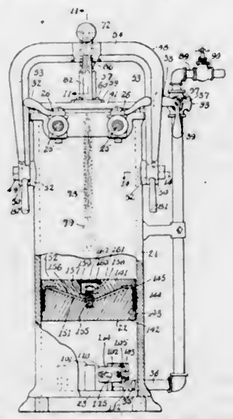
In wall construction, hollow cylindrical bodies provided transversely at their ends with flanges and disposed one upon another with their axes approximately parallel, the flanges of said bodies at each of their ends being disposed in engagement and in vertical alignment, and an adhesive element outwardly of the ends of said bodies and filling the interstices between and adjacent to the inner sides of the flanges providing air spaces between said hollow cylindrical bodies.

1,465,654. AUTOMATIC EXPANSION VALVE. EDWIN J. RADTKE, Milwaukee, Wis. Filed Mar. 5, 1921. Serial No. 449,706. 4 Claims. (Cl. 50—23.)



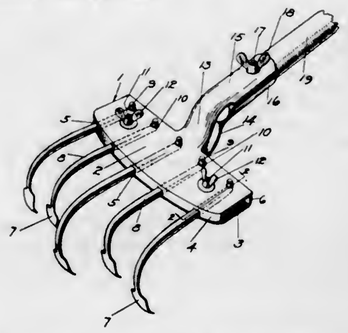
3. In an automatic pressure reducing valve, the combination of a valve having bearing surfaces subdivided by a series of grooves, a ported member having a valve seat spanning the grooves and against which said bearing surfaces may seat, and means for positioning said valve upon said valve seat.

1,465,655. STUFFING MECHANISM. OSCAR C. SCHMIDT, Cincinnati, Ohio, assignor to The Cincinnati Butchers' Supply Company, Cincinnati, Ohio, a Corporation of Ohio. Filed Dec. 29, 1920. Serial No. 433,792. 19 Claims. (Cl. 17—39.)



1. In mechanism of the character described, the combination of a casing, a press-head in said casing, a cover for said casing at one side of said press-head, a pressure outlet for said casing at the other side of said press-head, a closure for said pressure outlet, an operating part for said closure received in said cover, and connecting means between said operating part and said closure.

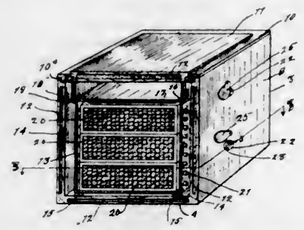
1,465,656. HAND CULTIVATOR. JOHN B. SWAN, Denver, Colo., assignor of one-half to Louis Csemiczky, Denver, Colo. Filed Apr. 25, 1921. Serial No. 464,173. 2 Claims. (Cl. 97—63.)



2. A cultivator of the class described comprising a head, consisting of upper and lower plates, flanges carried by the respective front and rear edges thereof, teeth having shanks which are engaged between said plates, the flange of the upper plate having notches formed therein, said shanks being engaged in the notches, said shanks being greater in diameter than the depth of the notches, the upper plate being fulcrumed on the flange of the lower plate and having its forward end engaged with the shanks adjacent said notches, and means for holding the plates in operative positions.

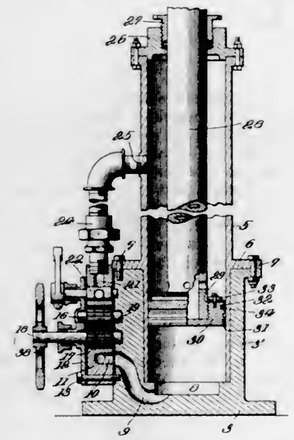
1,465,657. REFRIGERATOR. PERRY VACATOS, Akron, Ohio. Filed May 16, 1922. Serial No. 561,371. 3 Claims. (Cl. 62—81.)

1. A refrigerator of the class described comprising a box open at the upper end, a cover therefor, an inner casing centrally mounted in said box and extending upwardly to said cover, said inner casing being provided



over the entire area thereof with closely spaced openings and an ice pan arranged to close the upper end of said casing.

1,465,658. HYDRAULIC HOIST FOR MOTOR VEHICLES. EDWARD F. WALSH, Marion, Ind., assignor to Superior Boiler Works, Marion, Ind., a Corporation of Indiana. Filed Aug. 23, 1920. Serial No. 405,387. 2 Claims. (Cl. 298—22.)

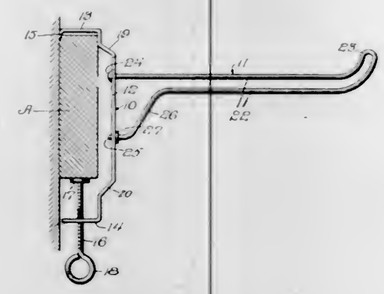


1. A hoisting mechanism comprising a base having an upwardly extending cylindrical portion provided with an annular flange at its upper edge, a cylinder extending into said cylindrical portion having a flange resting on the flange of the cylindrical portion of said base and secured thereto, the cylindrical portion of said base being provided with a lateral enlarged flattened portion having a passage extending therethrough in communication with the lower end of said cylinder, a gear pump housing secured to the enlarged portion of the cylindrical portion of said base having an outlet passage at its lower end in communication with the passage of said base and an outlet passage at its upper end in communication with the upper end of said cylinder, a removable cover for said pump housing, bearings formed in said cover and enlarged portion of said base, shafts mounted on said bearings carrying gears within said gear pump housing and a piston working in said cylinder.

1,465,659. CLOTHES HANGER. FANNIE GRAY WHEELER, Bloomington, Ill. Filed Sept. 20, 1920. Serial No. 411,535. 2 Claims. (Cl. 248—22.)

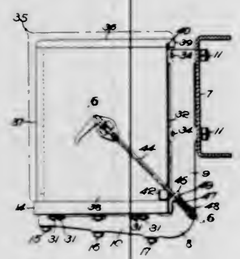
1. A clothes hanger comprising a mounting plate adapted to be interchangeably and detachably connected to an upright and to a horizontal wall board comprising

a body of greater length than the board and adapted to extend across said board and having rearwardly extending end hooks to extend across the edges of said board, one of said hooks being spaced from one edge of said board and having a threaded aperture, a clamping screw extending through said aperture and engaging its threads and bearing against the adjacent edge of said board, the other hook being shaped to interlock on one edge of said board and offset from the body to space the latter from said board, said body being provided between said hooks



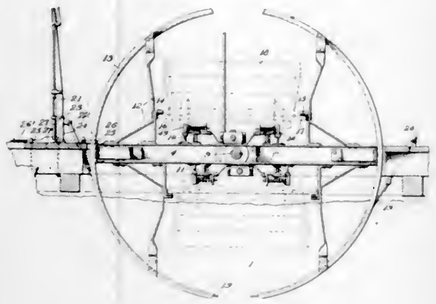
with two pairs of spaced openings, with the openings of one pair in a plane which intersects the plane of the openings of the other pair, and a hanger having a pair of special terminals, one of said terminals being adapted to engage openings of like kind of the two pairs in the two positions of said plate, and the other terminal being likewise adapted to interchangeably engage the other openings of like kind, whereby said hanger occupies the same position relatively to a vertical plane regardless of the position of said plate on the wall board.

1,465,660. BATTERY MOUNTING AND HOUSING. FRANS G. ALBORN, Milford, Conn., assignor, by mesne assignments, to The Locomobile Company, Bridgeport, Conn., a Corporation of Delaware. Filed June 5, 1919. Serial No. 301,904. 5 Claims. (Cl. 180—68.5.)



1. A housing of the class described, comprising, in combination, a support providing a bottom and a wall upstanding therefrom presenting abutments, a cover providing a top and a plurality of walls depending therefrom seated against said abutments, and cover-holding means inclined to said bottom and upstanding wall and urging said cover in one direction against one abutment and in another direction against another abutment.

1,465,661. ROTARY CAR DUMP. EMMETT L. BAILEY, Williamson, W. Va., assignor of one-half to Robert L. Bailey, Williamson, W. Va. Filed Nov. 14, 1919. Serial No. 337,904. 10 Claims. (Cl. 214—55.)



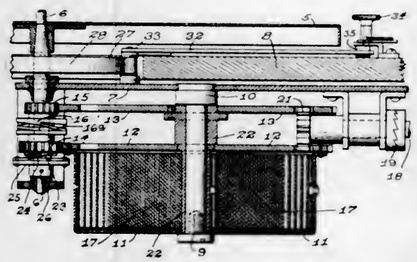
1. An apparatus for unloading cars, comprising a rotating member adapted to support a car upon opposite sides, and rotated by the force of gravity, and automatic means for holding the car on the tracks against forward and rearward movement.

1,465,662. ROTATABLE SEESAW. RUSSELL C. FIELDS and ELMER F. FIELDS, Pipestone, Minn. Filed July 8, 1922. Serial No. 573,553. 2 Claims. (Cl. 46—22.)



1. A rotatable see-saw comprising a support, a casting mounted on said support, a second casting mounted for rotation in a horizontal plane upon said first casting, said castings having a cooperating projection and recess to constitute a bearing for such movement, a horizontal cylindrical member secured to the upper side of said second casting, a rod mounted for oscillating in said cylindrical member, and a see-saw board secured to said rod.

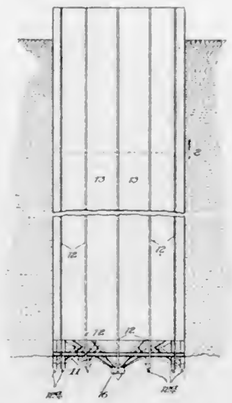
1,465,663. SPRING MOTOR. LESLIE B. GRAHAM, East Chicago, Ind., assignor to Graham-Wittenborn Corporation, Chicago, Ill., a Corporation of Illinois. Filed May 26, 1921. Serial No. 472,733. 7 Claims. (Cl 185—39.)



2. In a spring motor, two gears of different pitch diameters, and two pinions of different pitch diameters, both pinions mounted upon one shaft, and both gears

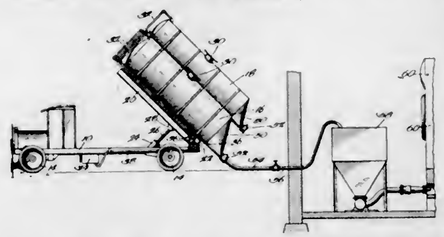
mounted upon another shaft, means for driving one of the gears by one end of the power spring, and means for driving one end of the power spring by the other gear and through the pinions of different pitch diameters.

1,465,664. CAISSON. WILHELM GRIESSER, Pittsburgh, Pa. Filed May 8, 1922. Serial No. 559,397. 7 Claims. (Cl. 61—46.)



1. A water-tight caisson for use on the sea bottom comprising a vertical tube having a conical bottom adapted to be forced into the sea bottom by the weight of the caisson, an opening through the point of said conical bottom and removable means for closing said opening, whereby the sea bottom will seal said opening when said removable means is removed.

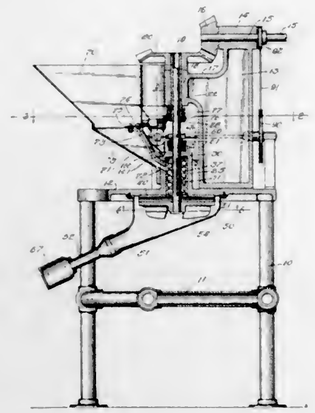
1,465,665. DELIVERY TANK FOR POWDERED MATERIAL. AUBREY J. GRINDLE, Chicago, Ill., assignor to Grindle Fuel Equipment Company, Harvey, Ill., a Corporation of Illinois. Filed Feb. 4, 1922. Serial No. 534,240. 11 Claims. (Cl. 214—83.)



1. In mechanism of the class described, in combination, an auto-motive vehicle, a tank for powdered material, carried by the vehicle, adjustable with reference thereto and having a discharge port, an air compressor carried by the vehicle, pipes leading from the compressor into said tank to air ports located respectively adjacent to the discharge port and adjacent to the opposite end of the tank, and means adjustably moving the tank with reference to the vehicle.

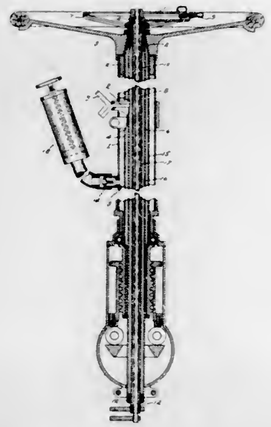
1,465,666. GRINDING MILL. ALBERT P. GROHENS, Marshall, Mich. Filed Apr. 3, 1922. Serial No. 549,064. 2 Claims. (Cl. 83—7.)

1. In a ginding mill, a hopper adapted to contain material to be ground, a vertical feed-screw casing having an opening at the top to receive material from the hopper, grinding means located below the feed-screw casing, a feed screw within the feed-screw casing adapted to feed, with the aid of gravity, material to be ground downwardly



from the hopper to the grinding means, and means for introducing salt into the material as it leaves the feed hopper.

1,465,667. STEERING GEAR. DONALD T. HASTINGS, Detroit, Mich. Filed Oct. 31, 1921. Serial No. 511,757. 6 Claims. (Cl. 74—39.)

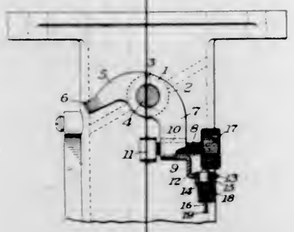


1. The combination with a series of relatively movable columns surrounding each other, of a plastic lubricant filler constituting an anti-rattle cushion between said columns and substantially completely filling the spaces therebetween.

1,465,668. STOP LEVER. VICTOR R. HEFTLER, Detroit, Mich., assignor to Societe du Carburateur Zenith, Lyon, France, a Corporation of France. Filed Dec. 3, 1920. Serial No. 428,164. 4 Claims. (Cl. 74—5.)

1. A stop lever, comprising a sheet metal body having an arm projecting outwardly therefrom, a tongue on said arm rolled upon itself to form a hollow cylinder, screw threads in said cylluder, a screw adjustably co-operating

therewith to form an adjustable stop for said lever, a projection on said lever extending substantially parallel to the longitudinal axis of said screw, a housing secured



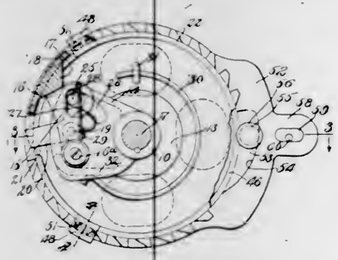
to said projection, and a spring device within said housing for maintaining said screw in adjusted position, substantially as described.

1,465,669. HOLDER FOR DENTAL FLOSS AND OTHER THREAD. HARRY C. HOCHSTADTER, Philadelphia, Pa. Filed Feb. 18, 1922. Serial No. 537,446. 5 Claims. (Cl. 132—92.)



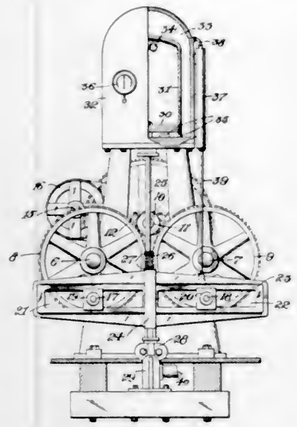
5. In a holder for thread, a thread holder, a guide on said holder for the passage of the thread, a swinging device for distending the thread and forming a bridge of the thread in the length thereof, and a cam-like locking member in said guide adapted to engage the free end of the thread therein, said guide having in its wall a recess through which the thread may be directed to said locking member.

1,465,670. CLUTCH BRAKE FOR CARD FEEDERS. JOSEPH B. HOWE, Worcester, Mass., assignor to George S. Harwood & Son, Boston, Mass., a Copartnership consisting of Sydney Harwood and John H. Harwood. Filed July 26, 1922. Serial No. 577,570. 10 Claims. (Cl. 188—81.)



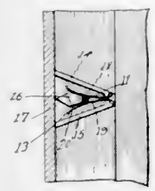
1. A reverse preventing device for preventing reverse rotation of a clutch driven shaft, comprising in combination a housing means supporting said housing for limited movement, a friction brake element carried by said housing, and a drive member fixedly secured to said shaft and having its peripheral surface arranged for engagement by said brake element.

1,465,671. PUMP DRIVING AND BALANCING MECHANISM. WILLIAM E. HUBBARD, San Fancisco, Calif. Filed Aug. 9, 1920. Serial No. 402,147. 3 Claims. (Cl. 103—206.)



1. A balanced power head for pumping apparatus comprising a cylinder, a solid piston movable therein, a reservoir in communication with the lower portion of the cylinder, a fluid confined for compression in the reservoir by downward movement of the piston, said piston being adapted for connection with the pump rod.

1,465,672. DOOR LATCH. CHARLES F. LEE, Astoria, Ill., assignor of one-third to Gustav C. Pahlow, Galesburg, Ill. Filed June 6, 1922. Serial No. 566,328. 1 Claim. (Cl. 292—209.)

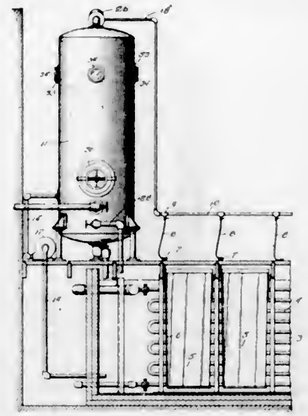


In a closure fastener, a pivoted locking member having a right angled end providing a locking section, a keeper comprising a body portion having inclined side edges, flanges extending inwardly from the side edges, a stop member having tapered walls disposed between the flanges and in spaced relation therewith, said stop member having a straight wall at the rear thereof, spring members having their free ends curved outwardly and lying adjacent to the side edges of the stop member, said spring members adapted to contact with the locking section of the pivoted locking member to hold the locking member against lateral movement when the locking member moves behind the straight wall of the stop

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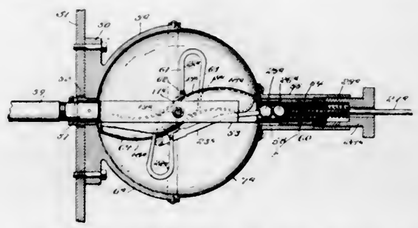
1,465,673. ART OF DEHYDRATING GASEOUS FLUIDS. OTTO LUHR, Chicago, Ill., assignor to Luhr & Friedl, a Firm composed of Otto Luhr and Herman Friedl, Chicago, Ill. Filed July 14, 1921. Serial No. 484,615. 3 Claims. (Cl. 62—172.)

1. The method of manufacturing ice which consists in subjecting water in cans located in a refrigerating bath to the refrigerating action of said bath, withdrawing liquid from said bath, contacting air with said withdrawn liquid to cool the same to substantially the temperature of the



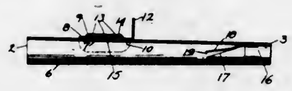
liquid whereby to condense moisture from said air, and agitating in said cans by means of said cooled air under pressure, the water to be frozen therein.

1,465,674. CENTRIFUGAL GOVERNOR. ERNEST MCCRACKEN and GAROLD C. J. GRAY, Hastings, Nebr., assignors of one-third to H. B. Karsting, Hastings, Nebr. Filed Mar. 31, 1920. Serial No. 370,316. 5 Claims. (Cl. 264—4.)



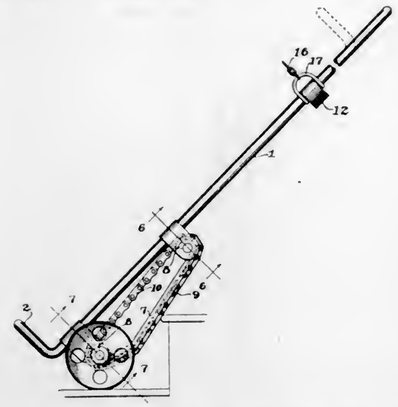
1. In a centrifugal governor, a rotary shaft, a lever centrally pivoted to the shaft for movement to different angular positions under centrifugal force with relation to the shaft, said lever having hollow arms provided with slots therein, weights movable within and longitudinally of said arms, means mounted externally of the lever arms and extending through the slots therein and acting on said weights to yieldingly oppose outward movement thereof, and controlling means governed by the movements of the lever.

1,465,675. MUSICAL TOY OR INSTRUMENT. MICHAEL J. MCINTYRE, Eden, N. Y. Filed Nov. 26, 1918. Serial No. 340,894. 10 Claims. (Cl. 46—46.)



1. In an instrument of the character described, a tubular body provided with an inlet opening at one end and a side opening, a contracted outlet end with a horn reed therein, said reed inclined toward said inlet opening, and a diaphragm over said side opening.

1,465,676. HAND TRUCK. EDWARD T. MALONE, Lackawanna, N. Y. Filed Apr. 22, 1922. Serial No. 555,979. 5 Claims. (Cl. 280—56.)

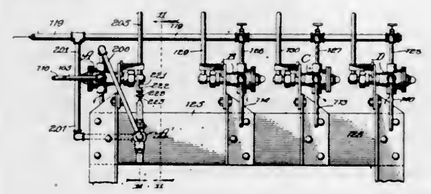


1. In a hand truck having a frame consisting of parallel side members, a transverse axle and supporting wheels mounted on the axle, guide frames supported directly from the axle and the frame and endless tread parts slidably mounted on the guide frame.

1,465,677. PROCESS OF PREPARING DITHIOCARBAMIC COMPOUNDS. STUART B. MOLONY, Wellesley Hills, Mass., and YASUJURO NIKAIDO, Bay City, Mich., assignors to Michigan Chemical Company, a Corporation of Michigan. Filed Aug. 9, 1921. Serial No. 491,041. 17 Claims. (Cl. 260—112.)

16. The process of producing alkyl dithiocarbamic compounds comprising introducing beet sugar residue in continuous streams into a retort while heating the latter to effect destructive distillation of the residue, cooling the vapors resulting therefrom, adding a neutralizing agent to the latter in a quantity sufficient to keep the distillate slightly acid, concentrating the neutralization-product, adding a decomposing-agent to the same, distilling the reaction product to produce amine gases, treating the latter with carbon bisulfid to form amino-ammonium salts of dithiocarbamic acid, and recovering the latter.

1,465,678. CONTROL MECHANISM. JOHN W. PAGE, Chicago, Ill. Filed Jan. 26, 1922. Serial No. 531,913. 6 Claims. (Cl. 303—6.)



1. In combination, two devices adapted to be operated by fluid under pressure, means for supplying fluid under pressure, means for conducting the fluid from the supply means to the devices adapted to be operated thereby, a four-way valve interposed between the supply means and the devices adapted to be operated, said four-way valve adapted to direct the fluid under pressure to either one or the other of said devices, and a reducing valve interposed between the fluid supply means and the four-way

valve, including a quickly movable lever for supplying said fluid to the four-way valve at pressures quickly variable solely with the setting of the lever.

1,465,679. STORM-SASH HOLDER. ARTHUR W. PALM, Minneapolis, Minn. Filed Apr. 10, 1922. Serial No. 551,366. 2 Claims. (Cl. 20—55.)



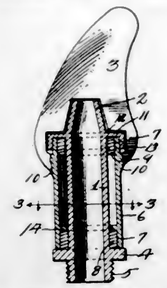
1. In combination with a vertically slidable window sash and a storm sash adapted to be swung outwardly therefrom, coil springs connected at their upper ends to the storm sash and at their lower ends to the slidable window-sash.

1,465,680. DISPENSING APPARATUS FOR SODA FOUNTAINS. WILLIAM PAPPAS and PETER PAPPAS, Webster City, Iowa. Filed Mar. 1, 1921. Serial No. 448,887. 1 Claim. (Cl. 221—66.)



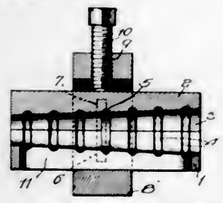
In a dispensing apparatus for soda fountains, the combination with a suitable container of a bottom plate having an opening therethrough for the discharge of powdered substances, a second spaced bottom plate forming the bottom member of the container and having an opening permanently aligned with the opening in the first mentioned plate, an interposed manually rotatable valve having a corresponding opening movable into and out of registration with the openings in the spaced bottom plates, said valve having a projecting handle for its manual operation, the second bottom plate having a cutaway portion to permit the said handle to project therethrough and have a limited range of movement the interior of the bottom of the container having a recessed portion extending to the aforesaid cut-away portion, and a spring mounted in said recessed portion and operatively attached to the rotatable valve to normally close the valve opening.

1,465,681. SPRINKLER NOZZLE. HUGH PARTRIDGE, Jacksonville, Fla. Filed May 2, 1922. Serial No. 558,025. 2 Claims. (Cl. 299—126.)



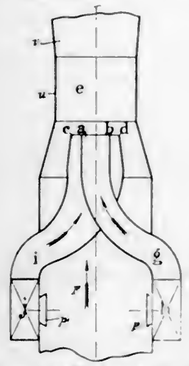
1. A sprinkler nozzle comprising a cylindrical body, spaced flanges carried by said cylindrical body, a sleeve surrounding the cylindrical body and having its ends terminating adjacent the spaced flanges, bearing rings disposed within the sleeve adjacent its ends and carried thereby, one of said spaced flanges being provided with an annular flange overlying the end of the sleeve, a spreader plate carried by said sleeve and arching the end of the cylindrical body, an inwardly extending annular flange carried by the sleeve and overlying the inner end of one of the bearing rings.

1,465,682. RING CONTRACTOR. JOSEPH O. POLLACK, Chicago, Ill. Filed June 2, 1921. Serial No. 474,501. 6 Claims. (Cl. 29—8.)



1. A ring contractor of the kind described comprising a contractile member having a tapered bore adapted to receive a ring, and means for contracting said member to reduce the diameter of said ring.

1,465,683. INDUCED-DRAFT DEVICE. LOUIS PRAT, Paris, France. Filed June 3, 1920. Serial No. 386,378. 5 Claims. (Cl. 110—162.)



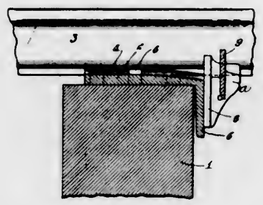
1. In an induced draft device for chimneys or the like, a plurality of fans, each adapted to deliver a substantially constant volume of fluid into the chimney, and a permanently open discharge nozzle of predetermined size for each fan, disposed in the chimney, to cause the fluid discharged by the fan to carry along the chimney gases in ejector fashion.

1,465,684. BROOM. FRANK P. PRENDERGAST, Kersey, Pa. Filed Sept. 14, 1921. Serial No. 500,477. 3 Claims. (Cl. 15—145.)



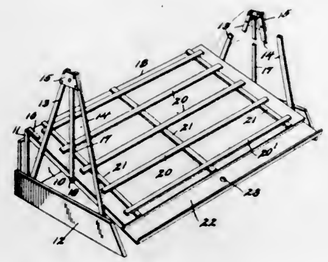
1. In a broom, the combination with a broom head and handle, of a handle-receiving socket in the head consisting of a tube having lateral tongues at its ends and constructed near its upper end with an opening, and a restricted entrance leading from its upper edge into said opening, a locking member carried by the handle and constructed to pass through said entrance into said opening and be turned into locking engagement with the opening, and a binding wire wrapped around the upper end of the head and having its ends anchored on the tongues at the ends of the tube.

1,465,685. RAIL-SECURING DEVICE. PERCY LESLEY REED, Norristown, Pa. Filed Jan. 7, 1922. Serial No. 527,577. 5 Claims. (Cl. 238—299.)



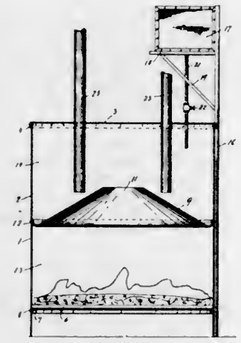
1. A base or tie-plate provided with a rail bearing member adapted to be secured to a tie and formed with a depending protective flange positioned to overlie the upper portion of the side surface of the tie, the horizontal bearing portion of said tie-plate in its longitudinal section being of progressively decreasing cross-sectional area toward the flange side thereof, substantially as described.

1,465,686. COMBINED DROPPING BOARD AND ROOST. MOTT C. RUSSELL, Assyria, Mich. Filed Apr. 20, 1923. Serial No. 633,414. 4 Claims. (Cl. 119—22.)



4. In a combined dropping board and roost, a supporting framework comprising a back and uprights, a dropping board, means for suspending said dropping board from said uprights to give to said dropping board a compound pivotal movement, and means for limiting the pivotal movement of the rear edge of said dropping board.

1,465,687. SMOKELESS HEATER. CHARLES H. RUTHERFORD and CHAUNCEY TOWNSEND, Jerome, Ariz. Filed Aug. 4, 1922. Serial No. 579,690. 6 Claims. (Cl. 126—59.5.)

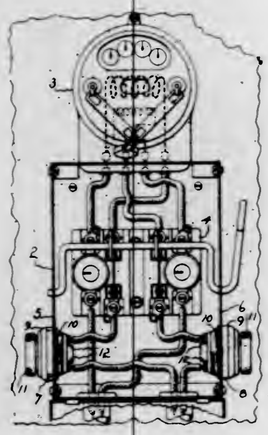


1. In a smokeless heater, a fire box, a smoke chamber mounted thereabove, a smoke discharge into said chamber, means for dripping water into the chamber creating steam in the same adapted to absorb the smoke, and draft means for guiding the products of combustion outward.

1,465,688. INCASED CIRCUIT CONNECTING AND CONTROLLING DEVICE. JOSEPH SACHS, Hartford, Conn. Filed Jan. 12, 1918. Serial No. 211,692. 11 Claims. (Cl. 247—2.)

1. In apparatus of the kind described, a service meter, service and load conductors respectively leading to and from it, a controlling device connected in the circuit on the service side of the meter and means encasing and thereby protecting said device and the conductors which intervene between the same and the meter against unauthorized access, in combination with a body structurally independent of and physically removed from, said controlling device and formed for cooperation with an

opening in a wall of said encasing means and wholly supported by said wall and externally accessible fuse-

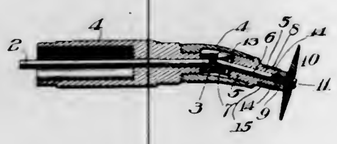


receiving means carried by said body and connected through said opening to one of the conductors in the box on the load side of the meter.

1,465,689. MANUFACTURE OF OXY AND SULPHO-OXY DERIVATIVES OF ANTHRAQUINONE. DAVID SEGALLER and DAVID HENRY PEACOCK, Huddersfield, England, assignors to British Dyestuffs Corporation Limited, Blackley, Manchester, England. Filed Dec. 13, 1921. Serial No. 521,997. 5 Claims. (Cl. 260—58.)

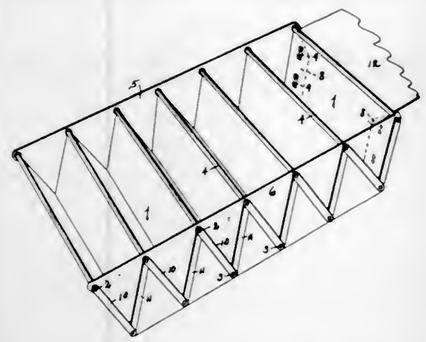
1. The manufacture of oxy derivatives of anthraquinone by condensing a phenol of the benzene series not exceeding 108 in molecular weight with phthalic anhydride by heating the mixture in a sulphuric acid solution of boric acid, and heating the resulting product in sulphuric acid solution.

1,465,690. DENTAL INSTRUMENT. EDWARD EVERETT SMITH, Philadelphia, Pa. Filed Jan. 30, 1922. Serial No. 532,644. 2 Claims. (Cl. 32—11.)



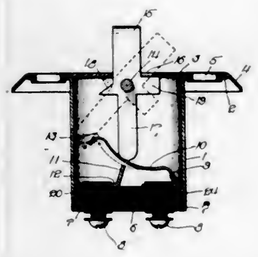
1. In a dental instrument of the character stated, an attachment consisting of a sleeve connectible with the hand piece of the instrument, a plug in said sleeve secured thereto, a rotatable cap held on said plug, a neck extending forwardly from said cap and secured thereto and a tool-carrying mandrel having its bearing in said plug and secured to said neck, said mandrel having on its inner end a gear which is adapted to intermesh with a gear on the driving shaft of the instrument, said neck being adapted to have the tool abut thereagainst and secured to said mandrel.

1,465,691. TOOL HOLDER. JAMES W. SNEDEKER, Adrian, Mich. Filed May 31, 1921. Serial No. 474,004. 10 Claims. (Cl. 206—16.)



1. A collapsible receptacle comprising a series of parallel rods in two planes, a sheet of fabric extending back and forth between the rods of the two planes to form a series of compartments, and means for holding the rods of the two planes spaced apart.

1,465,692. ELECTRIC SWITCH. NEWTON L. SNORF, Chicago, Ill., assignor to Edmunds & Jones Corporation, a Corporation of New York. Filed Dec. 2, 1921. Serial No. 519,542. 7 Claims. (Cl. 200—165.)

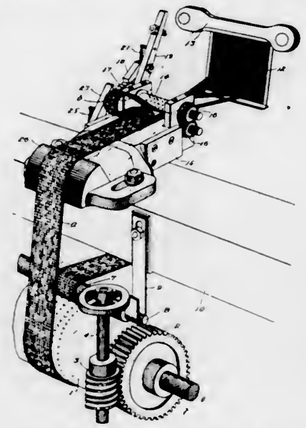


1. In an electric switch, a resilient contact member normally yieldingly spaced from a second contact member, a casing housing the said members and including a cover plate provided with an aperture, and a lever pivoted on the casing and projecting through the aperture in the cover and continuously engaging the first named contact member and adapted to force the latter into contact with the second contact member, the first named contact member having a hump over which the engaging portion of the lever rides when moving the contact members into engagement, the lever having a laterally projecting arm disposed for engaging the inner face of the cover of the casing to limit the movement of the lever in one direction.

1,465,693. LOOM TAKE-UP MECHANISM. GEORGE W. SPALDING, Worcester, Mass., assignor, by mesne assignments, to Mills Belt Company, Worcester, Mass., a Corporation of Massachusetts. Filed June 25, 1920. Serial No. 391,731. 2 Claims. (Cl. 139—305.)

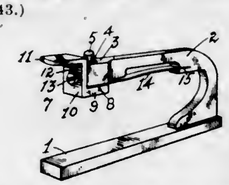
1. In loom mechanism for weaving a web comprising a section in which a given number of warp-threads is interwoven and a succeeding section in which a smaller number of warp-threads is interwoven, or vice versa, the

combination with main take-up devices which are operative to effect the taking up the web during the weaving of the former section, of auxiliary take-up devices including a roll having teeth which during the weaving of the succeeding section pass idly between the non-woven warp-threads and act to take up only the woven material



of such section, and controlling means for the main take-up devices whereby the taking-up action of the main take-up devices is suspended upon the completion of a section containing the full number of warp-threads and caused to be resumed upon the completion of the succeeding section containing fewer warp-threads.

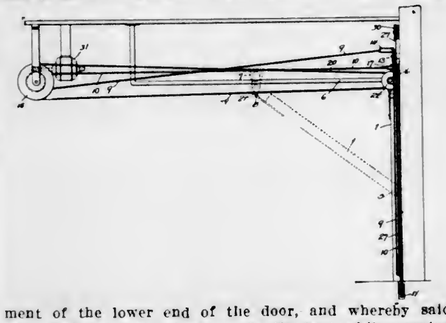
1,465,694. GAUGE. LOUIS A. STAUCH, Toledo, Ohio. Filed Dec. 6, 1919. Serial No. 343,038. 5 Claims. (Cl. 33—143.)



1. A device of the described character having two members providing plane surfaces which when brought into the same plane form a smooth unbroken surface, said respective members having a pair of gauge portions, and means spaced from said surfaces connected to one of the members to bring the gauge portions to approximate a co-planer measuring position, whereby if the object to be measured be too small, one of said surfaces will be above the other and the reverse if too large.

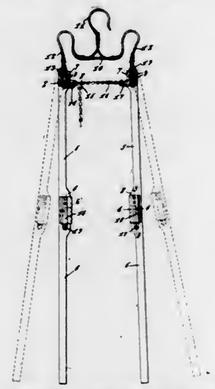
1,465,695. DOOR-OPERATING MECHANISM. ANDREW B. STEWART, Chicago, Ill., assignor to Mechanical Products Company, Chicago, Ill., a Corporation of Illinois. Filed June 26, 1917. Serial No. 176,987. 11 Claims. (Cl. 268—1.)

1. In a sliding door, the combination of means for guiding one end of the door in the plane of the opening, means for guiding the other end of the door in a plane at an angle to the opening, a cable attached to the upper end of the door for imparting an initial opening movement in a direction away from the opening, a cable attached to the other end of the door for imparting an opening movement to the end of the door to which it is attached, and winding drums to which said cables are attached adapted to vary the speed of each of said cables attached to the upper and lower ends respectively of the door whereby the initial opening movement of the upper end of the door is faster than the initial opening move-



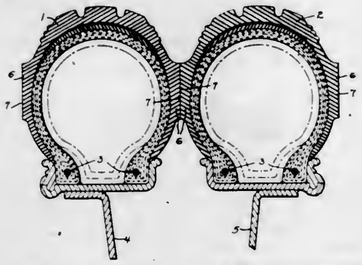
ment of the lower end of the door, and whereby said cables will be maintained constantly taut while opening said door.

1,465,696. GARMENT STRETCHER. JOHN P. SWEDENBORG, Akron, Ohio. Filed May 31, 1921. Serial No. 473,633. 1 Claim. (Cl. 223—19.)



A garment stretcher comprising opposed arms, each of the arms comprising a pair of sections, bars secured to opposite sides of one section of each arm to provide guideways, the opposed section of each arm having a portion thereof disposed between the bars and having an opening, a spring arm carried by one section of each arm, and carrying a pin, said pins adapted to move into the openings of opposed sections to secure the sections together.

1,465,697. STONE GUARD FOR DUAL PNEUMATIC TIRES. SHELDON P. THACHER, Freehold, N. J., assignor to Morgan & Wright, a Corporation of Michigan. Filed July 13, 1922. Serial No. 574,628. 3 Claims. (Cl. 152—13.)



3. Twin pneumatic tire casings for dual mounting on motor vehicles having on their adjacent side walls integral

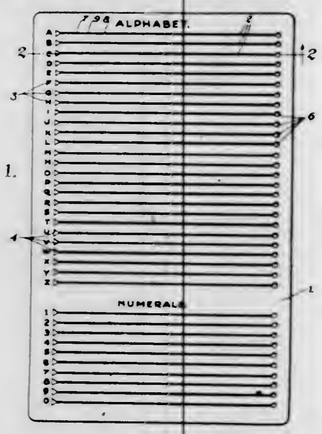
annular projections with opposed substantially flat faces adapted to contact with one another and exclude stones from lodgment therebetween.

1,465,698. ASH-CONVEYER SYSTEM. EDGAR B. TOLMAN, Jr., Chicago, Ill. Filed Sept. 5, 1922. Serial No. 586,162. 9 Claims. (Cl. 302—51.)



1. A conveyer fitting having a jet inlet, an ash inlet, an outlet whose axis is in alignment with the axis of said jet inlet, a second ash intake, and a detachable wear-back member for directing the ash from said first-mentioned inlet into said jet.

1,465,699. EDUCATIONAL APPLIANCE. OTTO F. VOGT, Washington, D. C. Filed Mar. 17, 1923. Serial No. 625,826. 4 Claims. (Cl. 35—12.)



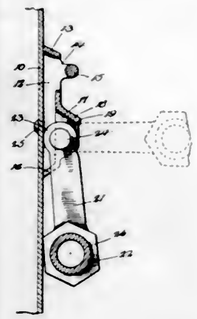
1. An educational appliance comprising, in combination with a stylus, a member so equipped as to co-operate with the stylus in the audible production of a character of a signal code, when the stylus is caused to traverse said member in a substantially straight path, substantially as described.

1,465,700. METHOD OF MANUFACTURING BALL OR ROLLER CAGES FOR ANTIFRICTION THRUST BEARINGS. ERNST HJALMAR WALODDI WEIBULL, Gottenborg, Sweden, assignor, by mesne assignments, to Nya Nordiska Kullager Aktiebolaget, Gottenborg, Sweden. Filed Oct. 19, 1920. Serial No. 418,039. 1 Claim. (Cl. 29—148.4.)



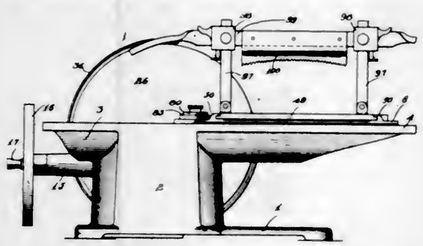
An improved method for manufacturing ball or roller cages consisting in first shaping a piece of cage material of suitable shape in cross section into a ring like form in plan, then stamping the ring like element in a direction at right angles to the longitudinal axis of the element to flatten the same, and punching the element at suitably spaced distances to provide openings therein.

1,465,701. BURIAL-VAULT HANDLE. CLAUDE CLEVELAND WHARTENBY, Upper Sandusky, Ohio. Filed July 21, 1921. Serial No. 486,427. 3 Claims. (Cl. 16—112.)



1. A burial vault handle including a supporting bracket comprising a body plate having a slot therein, flanges rising from the plate at opposite sides of the slot, a web extending between and connecting said flanges, the flanges being formed with recesses opening through the inner side face of the plate, and a handle freely received through said slot and provided with trunnions engaging in said recesses pivotally connecting the handle with the bracket for movement to engage said web to be limited thereby.

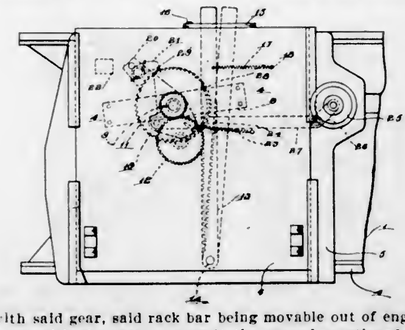
1,465,702. SLICING MACHINE. SOLOMON WILE, Rochester, N. Y. Filed June 24, 1922. Serial No. 570,643. 16 Claims. (Cl. 146—102.)



1. In a slicing machine, the combination with a main frame, embodying a hollow standard, and a top substantially closing said standard and projecting from opposite sides thereof, said top having guides thereon, of a carriage movable on said guides, a material supporting carriage movable on the first mentioned carriage transversely of the line of movement of said first mentioned carriage, a rotary cutter on the base frame to operate upon the material on the material supporting carriage, a horizontally arranged gear mounted in said hollow base frame and geared to the rotary cutter, driving connection between said gear and the first mentioned carriage, and a drive shaft journalled in the hollow base frame and geared to said horizontally arranged gear.

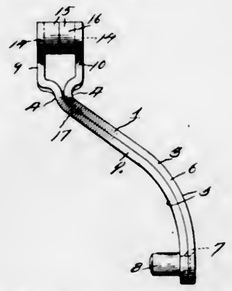
1,465,703. SLICING MACHINE. SOLOMON WILE, Rochester, N. Y. Filed May 31, 1923. Serial No. 642,384. 2 Claims. (Cl. 146—102.)

1. In a slicing machine, the combination with a cutter, a carriage movable back and forth past the cutter and a second carriage movable on the first named carriage toward the cutter, of mechanism for moving the second named carriage on the first named carriage comprising a pawl and ratchet mechanism mounted on the first named carriage, a gear driven by the pawl and ratchet, and a rack bar mounted on the second mentioned carriage and meshing



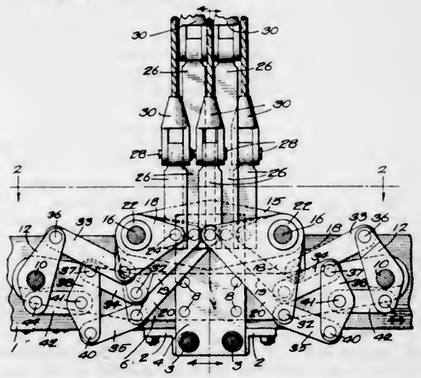
with said gear, said rack bar being movable out of engagement with the gear to permit the second mentioned carriage to be moved away from the cutter.

1,465,704. CLUTCH-CLAMPING LEVER. CLARENCE G. WOOD, Muncie, Ind. Filed Oct. 21, 1922. Serial No. 596,076. 5 Claims. (Cl. 74—5.)



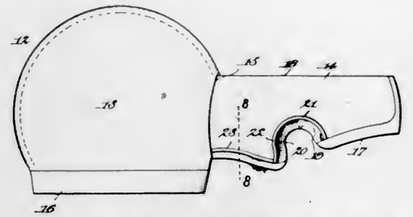
1. A clutch clamping lever comprising an arm, a nose carried by said arm, said lever being formed from registering stamped sections.

1,465,705. CABLE EQUALIZER. EDWARD E. WRIGHT, Detroit, Mich. Filed Feb. 28, 1921. Serial No. 448,675. 24 Claims. (Cl. 187—1.)



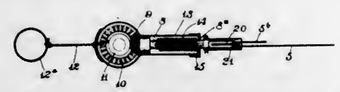
5. A rope equalizer for elevators comprising a fulcrum fixed to the suspended object, bell cranks consisting of parallel plates arranged vertically and adapted to be individually connected to the elevator cables, a primary lever pivoted on said fixed fulcrum, a link connecting one end of said lever to one of said bell cranks, a second link connected to the other end of said primary lever, a secondary lever connected between its ends to the second link, the secondary lever being connected at its ends to two others of the bell cranks, and a shaft upon which all of said bell cranks are fulcrumed, said shaft being connected to said suspended object.

1,465,706. BATHING CAP. LOUIS AUSTER and MARIE AUSTER, New York, N. Y. Filed Apr. 2, 1923. Serial No. 629,456. 9 Claims. (Cl. 2—106.)



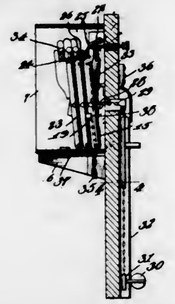
1. In combination, a bathing cap, an elastic band within the cap, a rib for spacing the cap from the band at points on the cap where said cap embraces the ears and nape of the neck.

1,465,707. FISHING TACKLE. THOMAS BARTHOLOMEW, Columbus, Ohio. Filed Jan. 17, 1923. Serial No. 613,277. 5 Claims. (Cl. 43—21.)



4. In a fishing apparatus, the combination of a fishing line adapted to be rotated on its axis and means for rotating the line including a rotary member to which the line may be attached, a spring connected with said member and a fixed part and means for rotating the rotary member in one direction to rotate the line in the corresponding direction and to place the spring under tension for rotating the line in the opposite direction.

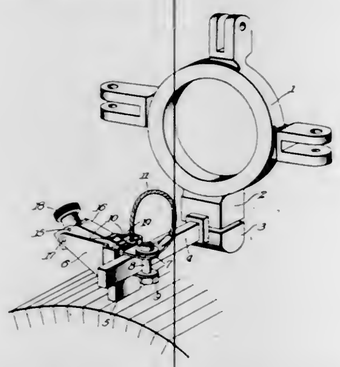
1,465,708. TRAFFIC SIGNAL. JOHN BRANDENBERG and WALTER W. SMITH, Sault Ste. Marie, Mich. Filed Oct. 12, 1922, Serial No. 594,078. Renewed June 28, 1923. 1 Claim. (Cl. 116—40.)



A signaling device including a housing, a lazy tong construction pivotally supported within the housing, said lazy tong construction including pivotally connected bars, a coiled spring disposed between the inner ends of the inner arms of the lazy tong construction to urge the arms towards each other, and cause the device to be extended

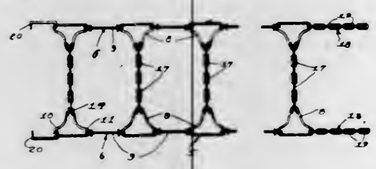
from the housing, means for returning the device to its inactive position, a spring arm for contacting with the device to hold the same in its inactive position, means for releasing the arm, and a transparent member carried at the outer end of the device.

1,465,709. BRUSH-HOLDING MEANS FOR ELECTRIC MOTORS. PIERRE ISMAEL CHANDEYSSON, St. Louis, Mo. Filed Mar. 24, 1922. Serial No. 546,412. 6 Claims. (Cl. 171—324.)



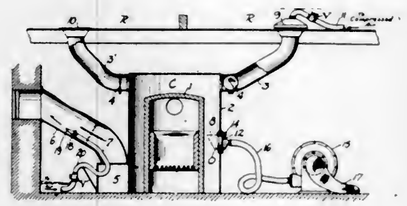
6. In a brush holder, the combination of a body having a brush receiving portion, a swinging member mounted in said body and adapted to bear against a brush, a spring connected to the body and the swinging member and means regulating the tension of the spring; the said swinging member being equipped with a pivoted yoke, and the spring being extended loosely through said yoke and connected at one end with the body, and the tension regulating means being in the form of a nut threaded to engage the convolutions of the spring and to bear against said yoke.

1,465,710. CONNECTING LINK FOR TIRE CHAINS. HOWARD A. CORRINGTON, Brandt, S. Dak., assignor of one-half to Aldon R. Corrington, Brandt, S. Dak. Filed Dec. 22, 1920. Serial No. 432,559. 1 Claim. (Cl. 24—237.)



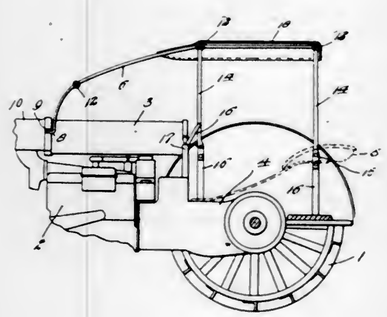
A junction ring for tire chains comprising a length of resilient material having its end portions extended back upon the central portion of the length to provide opposed loops, said loops being adapted to receive tire chain link members, said end portions of the length being extended outwardly in spaced relation to each other, and substantially at right angles to the central portion of the length, the extremity of each of said end portions being extended back upon their respective end portions to substantially provide hooks, said hooks being disposed one upon the other in planes substantially parallel to the plane of the loops, to close the entrance to the loops, the extremities of the hook being disposed closely adjacent each other and coacting to substantially provide a ring, said ring being adapted to receive a portion of the tread member of the tire chain.

1,465,711. SYSTEM OF CLEANING FURNACES. EDWARD GRAY, St. Louis, Mo. Filed Jan. 13, 1922. Serial No. 528,913. 1 Claim. (Cl. 15—269.)



A process of cleaning hot-air furnaces and the heat-distributing pipes thereof, which consists in discharging compressed air through one of said pipes from its outlet to the furnace hot-air chamber, sealing the openings of the other pipes, applying suction to the furnace hot-air chamber simultaneous with the application of compressed air to the pipe, and thereafter directing a jet of air toward the intake end of the air supply conduit to the hot-air chamber.

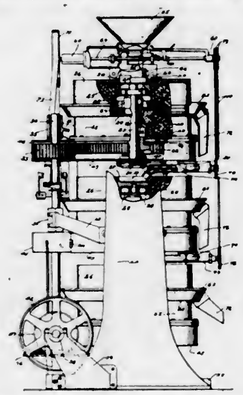
1,465,712. TOP FOR TRACTORS. HENRY W. HANSON, Cheney Center, Colo. Filed Nov. 20, 1922. Serial No. 601,972. 2 Claims. (Cl. 296—102.)



1. A canopy or top for tractors comprising a pair of parallel spaced side bars having downwardly curved forward end portions with their free ends terminating in means adapted for rigid attachment to the tractor structure, said side bars being formed with alined transverse eyes at a plurality of spaced points, transverse bars having their ends projecting through said eyes, means upon opposite sides of the side bars and on the ends of the transverse bars for detachably connecting the side bars in rigid spaced relation, vertical supporting bars detachably mounted upon the ends of the transverse bars, and a covering upon the rear portions of the side bars.

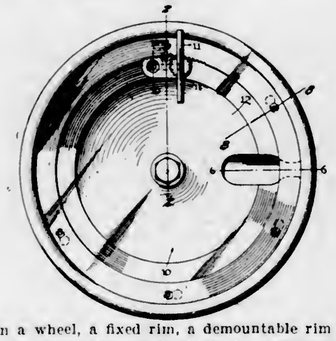
1,465,713. GRINDING MILL. WILLIS N. HARTSHORN, Racine, Wis. Filed Dec. 26, 1919. Serial No. 347,371. 7 Claims. (Cl. 83—7.)

1. A grinding mill, comprising a plurality of superimposed grinding units, each unit including a pair of cooperating grinding members, a drive spindle for one grinding member of each unit, a drive gear mounted on each spindle, a drive shaft common to all units, a drive pinion secured on said shaft adjacent each drive gear and meshed therewith, and means engageable with the drive spindles for adjusting the grinding members of the units, the drive pinions being of greater width than the



drive gears whereby adjustment of the spindles will not disturb the connections between the units and the drive shaft.

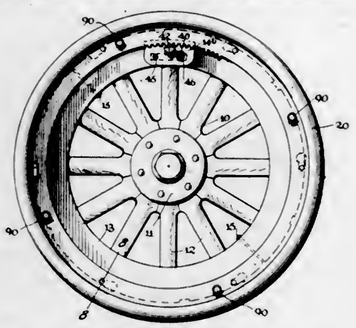
1,465,714. WHEEL FOR AUTOMOBILES. SAMUEL KAPLAN, Monroe, La. Filed Oct. 15, 1921. Serial No. 507,813. 5 Claims. (Cl. 301—11.)



1. In a wheel, a fixed rim, a demountable rim adapted to be assembled with the fixed rim by movement circumferentially with respect thereto, said demountable rim having a removable tire retaining flange adapted to be assembled with the demountable rim by circumferential movement with respect thereto, said demountable rim and said flange each having a gear segment formed thereon, said fixed rim having a socket adapted to permit of operative engagement of an operating tool with both of said gear segments whereby the demountable rim may be moved circumferentially with respect to the fixed rim in assembling the same with and taking the same from the fixed rim, said fixed rim also having a second socket adapted to permit of operative engagement of an operating tool with the gear segment of the tire retaining flange alone whereby the tire retaining flange may be moved circumferentially with respect to the demountable rim in assembling the same with and taking the same from said demountable rim.

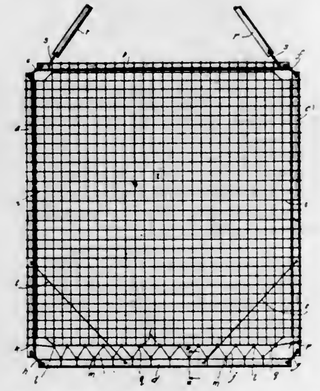
1,465,715. WHEEL FOR AUTOMOBILES. SAMUEL KAPLAN, Monroe, La. Filed Oct. 25, 1921. Serial No. 510,275. 1 Claim. (Cl. 301—11.)

In a wheel, a fixed rim having a locking plate, a demountable rim including a base section having a locking plate and a removable tire retaining flange having a locking plate, cooperating means between the fixed rim and the demountable rim for releasably securing the demountable rim on the fixed rim against all except circumferential movement, cooperating means between the locking plate of the tire retaining flange and the locking plate of the base section for releasably securing the tire retaining



flange against all except circumferential movement, and common locking mechanism cooperable with the locking plates of the fixed rim and of the demountable rim for securing the demountable rim and the tire retaining flange against circumferential movement and including a locking bolt cooperable with the locking plates.

1,465,716. CRADLING BOOM FOR CORDWOOD. LARS LARSEN, Ocean Falls, British Columbia, Canada. Filed Aug. 28, 1922. Serial No. 584,900. 4 Claims. (Cl. 9—15.)

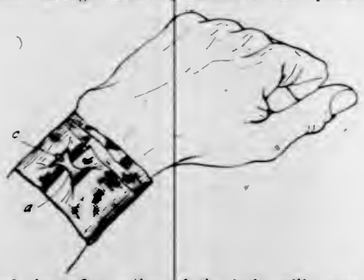


1. A boom of the character described, comprising a plural sided frame made of elongate floats connected together at their adjacent ends, a net secured at all sides except one to adjacent members of said frame, means for releasably fastening the remaining side of the net to the other frame member, whereby said net when fastened all the way around to the frame members constitutes a cradle for holding articles mentioned and the releasable side of said net may be unfastened to discharge these articles.

1,465,717. BANDAGE FASTENER. WILLIAM H. MERCER, Portland, Oreg. Filed Nov. 3, 1921. Serial No. 512,454. 4 Claims. (Cl. 24—87.)

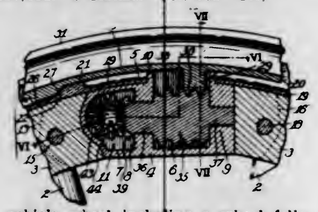
1. A bandage fastener comprising a body made of resilient material, reduced in width at its middle to increase its flexibility and adapted, normally, to assume an arcuate curve and to be flattened by pressure; the opposite ends of the body being provided with flat, inwardly extending fabric engaging projections which, in the normal form of

the body, are positioned to lie in the plane of a chord of said arcuate curve; whereby when the body is flattened by pressure said projections will be positioned at an angle to, and project below said plane for engagement with the bandage material, and when said pressure is



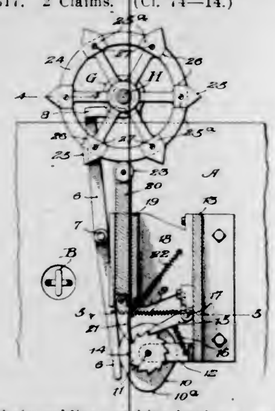
removed the reflex action of the body will cause said projections to engage with said fabric, at the same time moving the extremities of said projections away from the inner face of the bandage, and rendering it incapable of penetrating the latter.

1,465,718. DEMOUNTABLE WHEEL RIM. KARL I. NUTTER, Martinsville, Ind. Filed July 25, 1921. Serial No. 487,431. 6 Claims. (Cl. 301—17.)



1. A vehicle wheel including a wheel felly, a hollow gear case secured in the felly and having a relatively small lug-receiving opening in the outer wall portion thereof, a worm having two journals rotatably supported in the gear case adjacent to said opening, the worm being provided with gearing at the end of one of the journals to operate and control it, and a continuous wedge-equipped band embracing the felly and the gear case and fixedly secured thereto.

1,465,719. CHAIN-WELDING MACHINE. ARTHUR E. PETERS, near York, Pa. Filed Oct. 18, 1919. Serial No. 331,617. 2 Claims. (Cl. 74—14.)



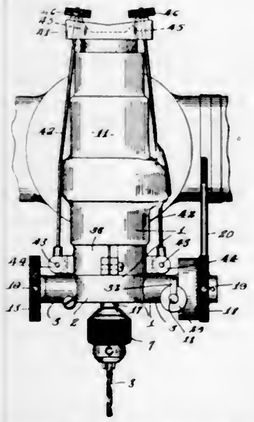
1. In a chain-welding machine having a main shaft, a clutch, and a drive-shaft arranged to drive the main shaft through the clutch, the combination of a lever arranged to operate said clutch, a shaft, a cam fast on said shaft, a spring holding said lever in contact with said cam, a ratchet-wheel fast on said shaft, a guideway, a member reciprocable in said guideway, a pawl on said reciprocable member in engagement with said ratchet-wheel, and a rotatable member on said drive-shaft arranged to operate said reciprocable member.

1,465,720. NEEDLE FOR COLLECTING BLOOD. STRASHIMIR A. PETROFF, Trudeau, N. Y. Filed Oct. 26, 1921. Serial No. 510,422. 6 Claims. (Cl. 128—247.)



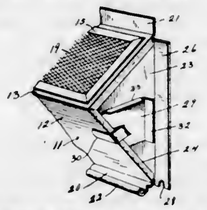
1. An instrument for collecting blood embodying a hollow needle sharpened at one end and provided intermediate its ends with a clip adapted to straddle the wall of a container to support the needle on the container with the sharp end of the needle projecting from the container and the other end of the needle extending into the container, whereby blood flowing through the needle is deposited directly within the container.

1,465,721. ATTACHMENT FOR MILLING MACHINES. JOHN A. PURVES, Syracuse, N. Y., assignor, by direct and mesne assignments, to Fred E. Friedman, Syracuse, N. Y. Filed June 2, 1921. Serial No. 474,459. 7 Claims. (Cl. 77—5.)



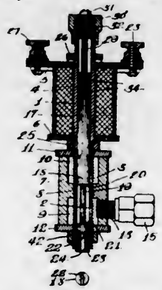
1. An attachment for milling machines comprising a body, a tool carrying spindle journaled in the body, means carried by the body for feeding the spindle axially, and means for attaching the body to a milling machine including a swivel joint concentric with the spindle and means for normally holding the body from swiveling movement, substantially as and for the purpose specified.

1,465,722. COMBINATION SCREEN AND VENTILATOR. HARRY L. THOMAS, Philadelphia, Pa. Filed Mar. 7, 1923. Serial No. 623,410. 3 Claims. (Cl. 98—31.)



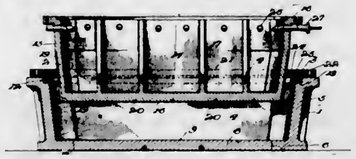
1. The combination with a combined screen and ventilator of the type described including screen sections having end members provided at one edge thereof with vertically disposed flanges adapted to engage one side of the coacting guide rail of a window sash and inclined edges at their junctions with the sections, of plates slidably engaging said end members and having slidable interlocking engagement with the sections at the last named edges of the end members, said plates being provided with flanges paralleling the flanges of the end members.

1,465,723. AUTOMATIC AUXILIARY AIR VALVE FOR INTERNAL-COMBUSTION ENGINES. JOHN B. WEST, Syracuse, N. Y. Filed June 10, 1918. Serial No. 239,153. 6 Claims. (Cl. 137—139.)



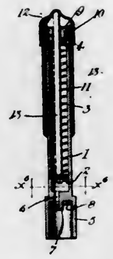
6. An electrically operated auxiliary air intake valve including a tubular body having inlet and outlet ports opening through the periphery thereof at points spaced apart lengthwise of the body, the body having an abutment at one end formed with a vent, a sliding balanced valve in the body arranged to control said ports and having opposing faces on opposite sides of the outlet port and also a reduced portion at its end for normally resting on said abutment, an electromagnet and a core within the body and connected to the valve, substantially as and for the purpose specified.

1,465,724. MOLD. WILLIAM BARNES, Zanesville, Ohio, assignor to James W. De Camp, Blackwell, Okla. Filed June 17, 1918. Serial No. 240,460. 2 Claims. (Cl. 49—72.)



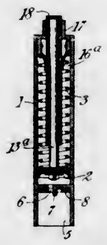
1. In a mold of the class described, the combination with a mold chamber having an open top and a continuous rabbet formed in its inner wall at said open top, the bottom of the mold chamber being provided with a vertically movable section, the walls of which are undercut to normally hold said section in operative position with the upper face of the section flush with the inner face of the bottom of the mold chamber, of an integral cap ring whose body overlies the inner wall of the mold chamber, said ring having a depending rib filling said rabbet and projecting inwardly beyond the inner wall of the mold chamber to form a shoulder producing an exterior peripheral band receiving depression on the molded product, and said ring being further provided with an inwardly projecting flange, and a hollow core movable through the cap ring to operative position within the mold chamber.

1,465,725. SELF-REGISTERING PRESSURE GAUGE. JUNIUS A. BOWDEN, Los Angeles, Calif., assignor to A. Schrader's Son, Inc., New York, N. Y., a Corporation of New York. Filed July 27, 1910, Serial No. 574,177. Renewed Jan. 23, 1922. Serial No. 531,316. 20 Claims. (Cl. 73—111.)



1. In a pressure gauge for automatic tires, the combination of a tubular casing having one end thereof constructed to be applied to the valve casing of a tire, a plug adjustably fitted in the opposite end of the tubular casing and having an opening therein, a piston mounted within the casing, a stem carried by the piston and passing loosely through the opening of the plug, a spring arranged within the casing and interposed between the plug and the piston, the tension of the spring being adjustable by moving the plug, and a gauge member slidably mounted upon the casing, the said gauge member being movable outwardly with the piston and remaining at the outer limit of its movement when the piston returns to normal position.

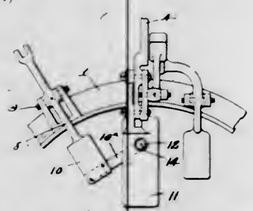
1,465,726. SELF-REGISTERING PRESSURE GAUGE. JUNIUS A. BOWDEN, Los Angeles, Calif., assignor to A. Schrader's Son, Inc., Brooklyn, N. Y., a Corporation of New York. Original application filed July 27, 1910, Serial No. 574,177. Divided and this application filed June 26, 1919. Serial No. 306,930. 4 Claims. (Cl. 73—11.)



1. A pressure gauge for tires, comprising a casing, having an indicator opening, a pressure-responsive member comprising a piston in the casing and a coiled spring pressing upon the upper side of said piston, and an indicator element separate from said piston and adapted to

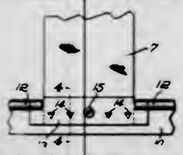
be pressed through said indicator opening by said pressure-responsive member for indicating pressures, said indicator element being adapted to project within said coiled spring.

1,465,727. GARMENT-PRESSING MACHINE. PHILIP N. BRAUN, Syracuse, N. Y., assignor to The Prosperity Co. Inc., Syracuse, N. Y., a Corporation of New York. Filed Dec. 30, 1921. Serial No. 525,884. 1 Claim. (Cl. 68—9.)



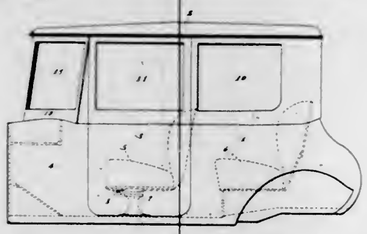
A pressing machine including pressing elements, one of which is movable toward and from the other, a valve controlled conduit for supplying steam to the face of one of said elements, a pedal for actuating the movable element, said pedal having a foot plate rigid therewith, a second pedal for controlling the valve of said conduit, the foot plate being formed with an opening in its foot engaging portion and the second pedal having a projection extending through said opening, substantially as and for the purpose set forth.

1,465,728. CURTAIN-WINDOW INSTALLATION. ALPHONSO S. CAMPBELL, West Medford, Mass., assignor to A. S. Campbell Company, Boston, Mass., a Corporation of Massachusetts. Filed Aug. 21, 1920. Serial No. 405,091. 5 Claims. (Cl. 296—145.)



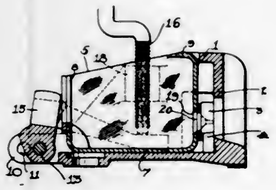
1. A curtain window installation comprising, in combination, a glass, the curtain fabric, a frame member and curtain window suspension means for relieving the fabric of the weight of the window, said frame comprising two units, one on each side of the fabric, one of said parts having an outwardly projecting flanged-over rim, and said suspension means having a terminal portion engaging beneath said rim on each side.

1,465,729. BODY AND SEAT ARRANGEMENT FOR MOTOR VEHICLES. WILLIAM H. EMOND, Syracuse, N. Y., assignor to H. H. Franklin Mfg. Company, Syracuse, N. Y., a Corporation of New York. Filed May 11, 1918. Serial No. 233,838. 2 Claims. (Cl. 296—64.)



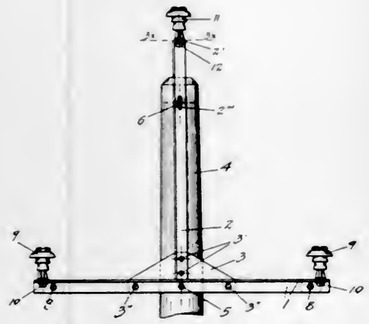
1. A motor vehicle body having a top, and doors in the sides of the body, front and rear seats, the front seats being located opposite the doors, and the top being provided with windows in the sides thereof opposite the space between the front and rear seats, and with substantially rectangular windows in the upper portions of the doors, the top being also provided with substantially rectangular front windows converging inwardly and forwardly from near the front edges of the windows of the doors toward the vertical central plane of the body thereby providing passages from the doors to the front seats, substantially as and for the purpose described.

1,465,730. DIE BOX FOR WIRE-DRAWING MACHINERY. JEROME R. GEORGE and WILLIAM E. CARROLL, Worcester, Mass., assignors to Morgan Construction Company, Worcester, Mass., a Corporation of Massachusetts. Filed Mar. 11, 1922. Serial No. 543,032. 6 Claims. (Cl. 205—25.)



1. The combination with a box or holder for a wire-drawing die, of means associated therewith for isolating the wire-drawing lubricant from the die containing space of said box.

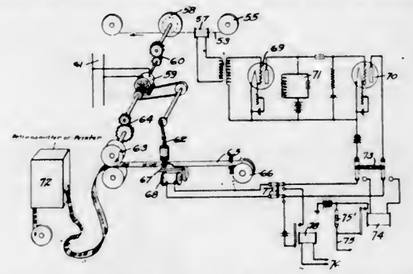
1,465,731. ELECTRIC CONDUCTOR SUPPORT. HARRY L. HAWKINS, Philadelphia, Pa., assignor to Walter S. Mayer, Philadelphia, Pa. Filed Aug. 8, 1921. Serial No. 490,593. 5 Claims. (Cl. 189—33.)



1. In an electric conductor support, the combination with a cross arm, of an insulator support comprising a strut fixed in transverse relation to and projecting above said arm, and a yoke having its ends fixed to said arm on opposite sides of said strut.

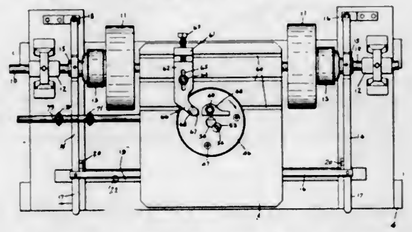
1,465,732. SYSTEM OF COMMUNICATION. RAYMOND A. HEISING, East Orange, N. J., assignor to Western Electric Company Incorporated, New York, N. Y., a Corporation of New York. Filed Sept. 23, 1919. Serial No. 325,729. 27 Claims. (Cl. 250—8.)

10. A radio signaling system, a wire signaling system having a normal signaling rate, means for transmitting signals through said radio signaling system at several times said rate, means including a signal storing element



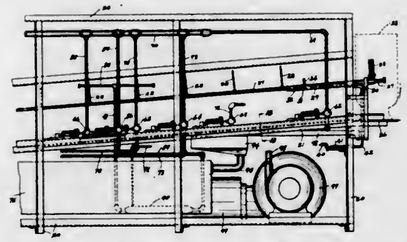
for receiving said signals and for retransmitting said signals over said wire signaling system at said normal rate.

1,465,733. BENDING MACHINE. JULIUS H. HOLMGREEN, San Antonio, Tex. Filed Aug. 4, 1919. Serial No. 315,154. 17 Claims. (Cl. 153—40.)



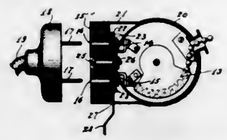
1. A bending machine comprising a work table, a turntable, co-acting means on the work table and turntable adapted to bend material upon rotation thereof, a shaft carrying said turntable, said shaft also carrying an index plate, means for driving said shaft in opposite directions comprising a pair of clutches, a pair of clutch levers, a link connecting said clutch levers and having a projection thereon, and means on the index plate adapted to engage said projection and disengage the driving clutch.

1,465,734. CAN-WASHING MACHINE. HARRY D. LATHROP, Chicago, Ill. Filed Nov. 24, 1920. Serial No. 426,258. 25 Claims. (Cl. 141—7.)



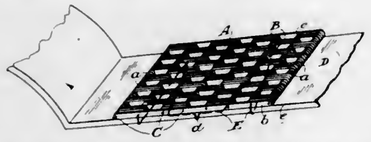
1. A washing machine comprising a slideway; means for giving a plurality of cans a step-by-step movement along said slideway in inverted position thereon; stops for holding the cans against forward movement at the end of successive steps; means automatically actuated just before each step-by-step movement for displacing said stops and for returning the stops to operative position before the end of the step; and means acting on said cans in their forward movement for cleaning the cans, substantially as described.

1,465,735. PULL-SOCKET CURRENT TAP. JOHN W. LAVINE, Bridgeport, Conn. Filed Aug. 1, 1921. Serial No. 488,792. 3 Claims. (Cl. 173—334.)



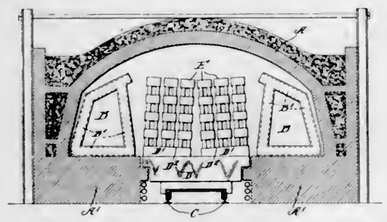
1. In a plug socket having a plug-in portion at one end, a socket at the other end, and a switch adapted to open and close an electrical circuit between said plug-in portion and said socket, a current tap comprising an insulation member at one side of the plug socket having a pair of spaced passages, a plug having prongs adapted to be inserted in said passages with their ends exposed at the inner side of said member, a pair of terminals within said plug socket in constant electrical connection with said plug-in portion and in opposed and spaced relation to said inserted prongs, and a movable switch element disposed between said member and said terminals and having spaced contact portions adapted to be moved into and out of engagement with the respective inserted prongs and terminals.

1,465,736. FOOT CLEANER. ENEAS MCCORMICK, Calgary, Alberta, Canada. Filed May 22, 1922. Serial No. 562,759. 1 Claim. (Cl. 15—239.)



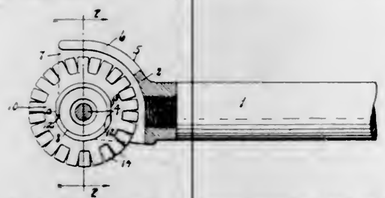
A foot cleaner for vehicle steps comprising a mat formed of short links joined together by pintles and a retaining wire the free ends of which form the pintles for certain of the link sections and the intermediate portion being bent downwardly and inwardly between the latter pintles under the mat to serve as a clamp in holding the mat to the step.

1,465,737. CAR FOR TUNNEL KILNS. STEPHEN A. MITCHELL, New Castle, Pa., assignor to American Dressler Tunnel Kilns, Inc., New York, N. Y., a Corporation of New York. Filed Apr. 13, 1920, Serial No. 373,504. Renewed May 17, 1923. 2 Claims. (Cl. 25—142.)



1. A car for transporting bricks and analogous ware through a tunnel kiln comprising a body portion and pier-like goods supports thereon extending transversely to the direction of car travel and spaced apart to provide channels open at their outer ends and upper edges, said supports having their upper edges sloping downwardly from the sides of the car toward its center.

1,465,738. EMERY-WHEEL DRESSER. EDWARD N. PAGELSEN, Detroit, Mich., assignor to Roland P. Place Company, Midland, Mich., a Corporation of Michigan. Filed Sept. 9, 1921. Serial No. 499,421. 3 Claims. (Cl. 125—37.)



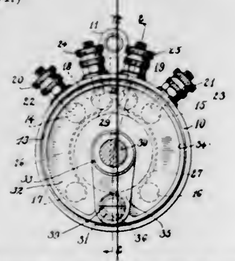
2. In a dressing tool, a cutter cylinder and a bolt extending therethrough, adjustable bearings in the ends of said cutter cylinder, a head embodying alined hubs and slitted at right angles to said bolt to receive the bolt and a yoke connecting the hubs, and nuts on the ends of the bolt to draw the hubs toward each other to adjust the bearings.

1,465,739. AUTOMOBILE LIFTING DEVICE. JACOB SCHARES, Gilbertville, and HENRY J. KAUTH, Washburn, Iowa. Filed Mar. 16, 1922. Serial No. 544,249. 1 Claim. (Cl. 254—89.)



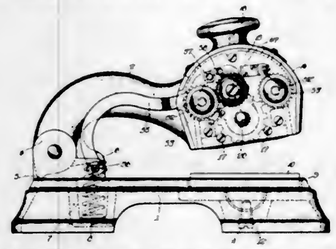
A device of the character described, comprising a stationary frame, a movable frame thereabove, pivoted linking-connections between said frames, longitudinally positioned elastic connections between said frames, means for limiting the scope of longitudinal movement of the movable frame in one direction, raised stops on one end part of the movable frame, releasable adjustable connecting mechanism between said frames operable when connected to both to propel the movable frame in one longitudinal direction, a ratchet-mechanism releasably connected between said stationary and movable frames operable to return the movable frame to an initial position after the latter has been moved to a limit in an opposite direction, and a tripping device arranged near said stops to be actuated by an approaching vehicle to release the ratchet-mechanism when the vehicle engages said stops.

1,465,740. IGNITION TIMER FOR INTERNAL-COMBUSTION ENGINES. VANCE SHEARER, New York, N. Y., assignor to Blublaze Motor Specialties Corp., Long Island City, N. Y., a Corporation of New York. Filed Nov. 4, 1921. Serial No. 512,702. 3 Claims. (Cl. 200—24.)



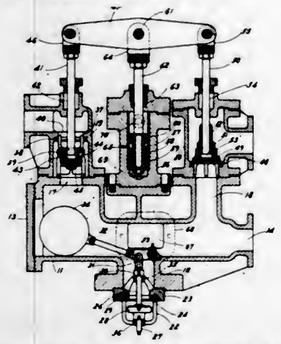
1. In an ignition timer, the combination of a body having an interior annular raceway, a rotary shaft extending into the body, a circular plate fixed to said shaft and having a threaded recess adjacent its edge with an opening therein of smaller diameter forming an interior annular shoulder in the end of said recess, a flanged brush projecting through said opening with its flange bearing against said shoulder, a hollow exteriorly threaded plug screwed into said recess, and a spiral spring within the hollow of said plug with one end bearing upon the flanged end of the brush.

1,465,741. DATING STAMP. MORRIS SHERAS, Chicago, Ill., assignor to A. D. Joslin Manufacturing Company, Chicago, Ill., a Corporation of Illinois. Filed Mar. 11, 1921. Serial No. 451,512. 16 Claims. (Cl. 101—96.)



1. In a dating stamp and the like, the combination of a fixed platen, a plurality of type wheels movable relative to the platen for printing operations, setting means carried with the type wheels and movable relative thereto to effect adjustment thereof, and means for controlling the effectiveness of said setting means on the respective type wheels.

1,465,742. VALVE DEVICE FOR WOOD-TREATING CYLINDERS. GRANT B. SHIPLEY and JACK B. SHIPLEY, Pittsburgh, Pa. Filed May 24, 1922. Serial No. 563,312. 8 Claims. (Cl. 99—12.)



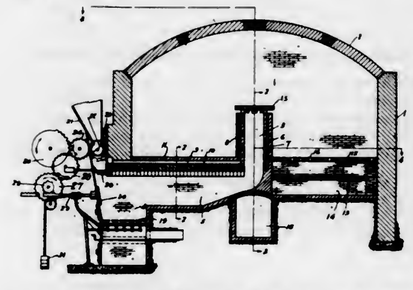
1. In combination in a wood-treating apparatus, a treating cylinder, a valve housing in communication therewith, a float valve controlling the passage between the cylinder and housing, a vent pipe and pressure conduit in communication with the housing, valves interposed in said pipe and conduit, said valves being connected to the opposite ends of a lever, and pressure means for actuating the said lever attached at an intermediate point thereof.

8. In combination in a wood-treating apparatus, a treating cylinder, a valve housing in communication therewith, a float valve controlling the passage between the cylinder and housing, a vent pipe and pressure conduit in communication with the housing, valves interposed in said pipe and conduit, a single means for actuating both said valves but preventing simultaneous movement thereof, and means for controlling the actuation of said last named means.

1,465,743. VULCANIZATION OF RUBBER. GEORGE H. STEVENS, Newark, N. J., and CORL H. EATON, East Palestine, Ohio; said Eaton assignor of eight-twentieths to Arthur R. Knight, New York, N. Y., one-twentieth to Seth R. Clark, Springfield, Mass., and one-twentieth to D. P. Swisher, Oil City, Pa. Filed July 30, 1920. Serial No. 399,979. 7 Claims. (Cl. 18—53.)

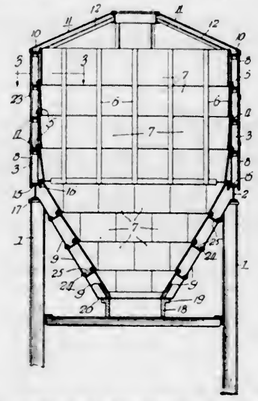
1. The process of vulcanizing rubber which consists in, modifying the melting point or nitrogen content of nitrogenous bodies that melt above the ordinary temperatures of vulcanization, by incorporating with them, into a "solid solution," one or more of such other miscible or suitable bodies as will so modify them as to make them available as accelerators, then incorporating the accelerators, then incorporating the accelerator thus formed into rubber, and then heating the resultant mixture with a vulcanizing agent to effect vulcanization.

1,465,744. KILN. ENOCH P. STEVENS, Chicago, Ill. Filed May 24, 1922. Serial No. 563,400. 8 Claims. (Cl. 25—145.)



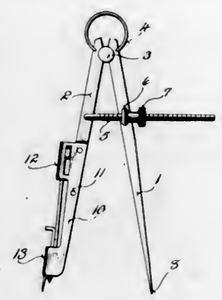
1. A kiln comprising a center flue for the admission of heated gases, a horizontal floor, means cooperating with said flue for deflecting gases downwardly toward said floor, apertures in said floor and a baffle wall placed below said floor for causing the heated gases to take a tortuous course in passing from said kiln.

1,465,745. ASH TANK. ARTHUR P. STRONG, Chicago, Ill., assignor to Green Engineering Company, East Chicago, Ind., a Corporation of Illinois. Filed Dec. 12, 1921. Serial No. 521,964. 12 Claims. (Cl. 189—3.)



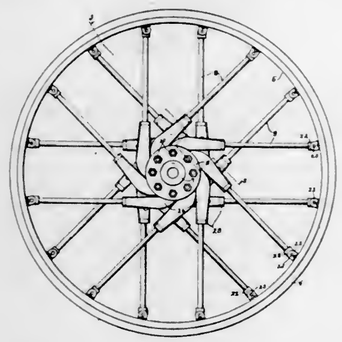
1. A tank, comprising an upright marginal wall and a bottom wall, said walls being formed of a plurality of sectional plates removably mounted on the framework of the tank structure, and means associated with said walls for preventing air being drawn into the tank when placed under suction.

1,465,746. COMBINATION INSTRUMENT. GEORGE TURKOVICH, West Allis, Wis. Filed Nov. 9, 1922. Serial No. 599,785. 2 Claims. (Cl. 33—152.)



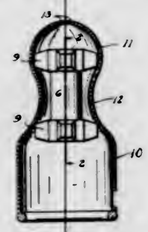
1. A combination compass and dividers comprising a pair of pivotally mounted adjustable arms, one of such arms being pointed, a housing secured to the other arm, a lead positioned within such housing, a folded spring member positioned within said housing and having one arm pointed and resiliently pressed towards said lead and the other arm resiliently pressed against said second mentioned pivoted arm.

1,465,747. SPRING WHEEL. HERMAN E. VOBACH, Madison, Wis. Filed Nov. 19, 1919. Serial No. 339,006. 3 Claims. (Cl. 152—47.)



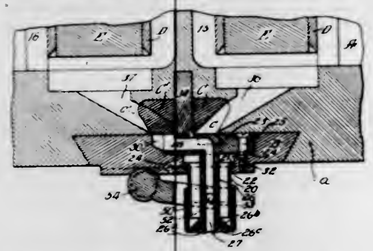
3. A vehicle wheel comprising a rim member, a hub member, two sets of spoke receiving members, arranged in pairs, the members of each pair extending tangentially from the hub member in opposite directions and having their inner ends tangentially pivoted side by side to the hub member by a common pivot member, and their outer portions bored, a spoke rod having its inner end slidably mounted within the bore of each receiving member, two collars slidably mounted on the portion of the spoke rod disposed within the receiving bore, shoulders on said spoke rod for limiting the movement of the innermost collar toward the inner end of the spoke rod, and the movement of the outermost collar toward the outer end of the spoke rod, an extensible spring coiled around each spoke rod between the collars, and means in the bores of the receiving members for engaging the outer faces of the collars, whereby movement of the spoke rods, with respect to the securing members, will be yieldingly resisted by said springs.

1,465,748. ATTACHMENT FOR NURSING NIPPLES. CHESTER H. WELD, Glencoe, Ill., assignor of one-third to Roy B. Weld, Bowdon, N. Dak. Filed Dec. 19, 1921. Serial No. 523,310. 2 Claims. (Cl. 128—252.)



1. An insert for a nursing nipple, comprising a tubular member provided with a central channel, and a plurality of integral spaced lugs at each end extending radially from said tubular member and providing a contracted intermediate portion to fit in the contracted neck of the nipple.

1,465,749. DEPOSITING MACHINE. FREDERICK WESTERMAN, Chicago, Ill. Filed Jan. 3, 1922. Serial No. 526,498. 8 Claims. (Cl. 107—1.)

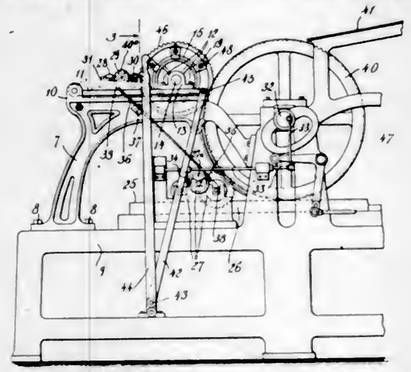


3. In a depositing machine, the combination with a receptacle for confection mounted upon the main frame of the machine, of a die carrier plate having an opening therein, a tubular nozzle depending from the opening in said die carrier plate, an outwardly flaring valve seat arranged beneath said tubular nozzle, a post arranged within said tubular nozzle for supporting said valve seat, a tubular valve surrounding said tubular nozzle and free to slide thereon, a rock arm engaging said valve and mounted beneath and outside said die carrier plate, and means for imparting motion to said rock arm.

8. In a depositing machine, the combination with a receptacle for confection mounted upon the main frame of the machine and having a plurality of compartments, of a recessed die carrier plate having an opening therein, a tubular nozzle communicating with one compartment of said receptacle and having a flange at its upper end to engage a flange surrounding the opening of said die carrier plate, a tubular post communicating with the other compartment of said receptacle and extending through said nozzle, an outwardly flaring valve seat mounted on the lower end of said post, a valve surrounding said nozzle above said valve seat, and means arranged beneath and outside said die carrier plate for moving said valve towards and from said seat.

1,465,750. ATTACHMENT FOR CYLINDER PRINTING PRESSES. ROBERT E. WRIGHT, Lincoln, Nebr. Filed Nov. 21, 1921. Serial No. 516,796. 5 Claims. (Cl. 101—77.)

1. The combination with a drum cylinder type press, including an impression cylinder and a printing form, of a numbering attachment including a frame, a shaft mounted in said frame and carrying a reel, and an adjustable clamp on said reel for holding the numbering machine, the latter having a plunger for advancing the numbers, said frame being pivotally mounted and provided with means for bringing the numbering machine into operative engage-



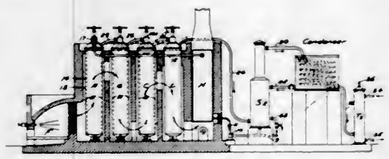
ment with the impression cylinder, and said reel being approximately one-half the diameter of the impression cylinder, and a sectional roller for inking the type only of the numbering machine to prevent an impression of the actuating plunger thereof, substantially as described.

1,465,751. KNIFE. ROBERT LLOYD WRIGHT, Salem, Ohio. Filed May 9, 1922. Serial No. 559,504. 7 Claims. (Cl. 30—10.)



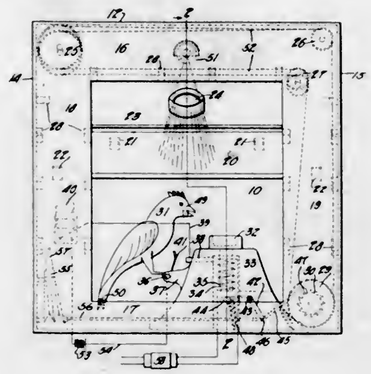
1. A knife comprising a hollow sheath, a blade holder slidably mounted in said sheath and provided with a slot at the front end, a blade having one end thereof mounted in said slot, and a clamp over said front end and adapted to clamp said blade into operative position and to release the same for removal thereof.

1,465,752. MANUFACTURE OF GASOLINE. ROBERT YATES, Passaic, N. J. Filed July 6, 1920. Serial No. 394,200. 3 Claims. (Cl. 196—25.)



1. A process for manufacturing gasoline by reducing high boiling petroleum oils to lower boiling oils, comprising: decomposing the oil in both oil and vapor form in cylinders, having a rotating drum within each cylinder, the oil and vapor entering the drum under vapor pressure, the vapors filling the drum and expelling the oil into an annular space between the drum and cylinder, circulating the oil around the annular space to prevent local overheating, and subjecting it to a moderate decomposing temperature in contact with the heating surface of the cylinder, also subjecting the vapors within the drum to the same moderate decomposing temperature as the oil, and for a period of time sufficient to effect decomposition, while protecting these vapors from overheating by the surrounding sheet of oil in the annular space; then reducing the vapor pressure to liberate vapors previously held down as oil under the higher pressure and precipitating unvaporized high boiling oils and asphaltic residue out of the vapors into a vaporizing cylinder, and maintaining a vaporizing temperature therein to vaporize these high boiling oils; drawing off the asphaltic residue from this cylinder and conducting the vapors of both high and low boiling oils to a separator.

1,465,753. ADVERTISING APPARATUS. ALBERT ANGEL, Cleveland, Ohio. Filed Dec. 9, 1920. Serial No. 429,309. 8 Claims. (Cl. 40—55.)



8. The combination with an adertising device, of an electro-magnet, a cup mounted on said magnet, a contact arm, a figure mounted on said contact arm and adapted on energization of said magnet to be moved toward said cup, and a bell circuit arranged adjacent said magnet and normally broken, said circuit being closed by said contact arm when said figure is drawn to said cup.

1,465,754. TIP FOR BRAID OR THE LIKE. CLARENCE P. BEROLZHEIMER, Chicago Heights, Ill. Filed Dec. 7, 1921. Serial No. 520,536. 2 Claims. (Cl. 24—943.)



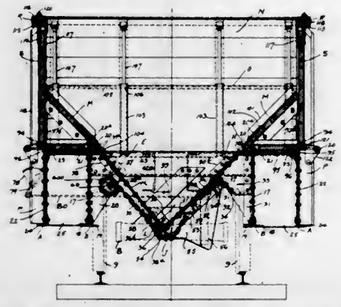
1. A shoe lace provided with integral tips of square cross section, said tips composed of a phenol condensation product.

1,465,755. METHOD OF MAKING TUBES. HARRY W. BUNDY, Detroit, Mich. Filed Apr. 13, 1922. Serial No. 552,362. 5 Claims. (Cl. 113—112.)



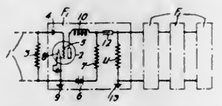
1. The method of making tubing, which comprises forming a plural ply tube of tinned metal, while longitudinally traveling, and coincidently sweating and adding new melted solder to the tube while so traveling to secure the plies together.

1,465,756. LOAD-DISCHARGING CAR. ARGYLE CAMPBELL, Chicago, Ill., assignor to Enterprise Railway Equipment Company, Chicago, Ill., a Corporation of Illinois. Filed Aug. 31, 1922. Serial No. 585,431. 50 Claims. (Cl. 105—243.)



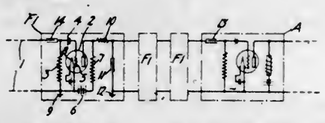
1. In a load discharging car having a central hopper and floor portions adjacent thereto, in combination, a longitudinally extending girder comprising a web having secured on one side thereof a top member composed of a Z-bar, the top flange of the said Z-bar constituting a portion of the floor of the car and the lower flange of the said Z-bar forming a support for downwardly and inwardly inclined sides of the longitudinally extending hopper.

1,465,757. ELECTRICAL-WAVE FILTER. AUSTEN M. CURTIS, East Orange, N. J., assignor to Western Electric Coinpany, Incorporated, New York, N. Y., a Corporation of New York. Original application filed Oct. 8, 1917, Serial No. 195,371. Patent No. 1,371,228, dated Mar. 15, 1921. Divided and this application filed Aug. 7, 1919. Serial No. 315,842. 8 Claims. (Cl. 178—44.)



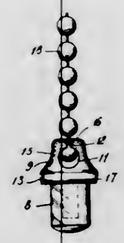
1. A wave filter free from capacitive reactance and comprising a plurality of filter sections, each section comprising a resistance and an inductance, and one of said sections comprising means for preventing said section from reacting on another of said sections, said means comprising an amplifier device.

1,465,758. ELECTRICAL-WAVE FILTER. AUSTEN M. CURTIS, East Orange, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y., a Corporation of New York. Original application filed Oct. 8, 1917, Serial No. 195,371. Patent No. 1,371,228, dated Mar. 15, 1921. Divided and this application filed Aug. 9, 1919. Serial No. 316,359. 17 Claims. (Cl. 178—44.)



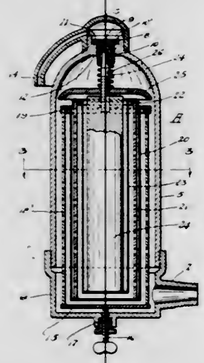
1. A wave filter comprising lumped resistance and comprising only one kind of lumped reactance, a source for supplying electromotive force waves to said filter, and a unidirectional current transmitting device connected between said source and said filter for preventing reaction between said filter and said source.

1,465,759. LUMINOUS PENDANT. WILLIAM H. DEY, Newark, N. J., assignor to United States Radium Corporation, a Corporation of Delaware. Filed June 28, 1922. Serial No. 571,441. 4 Claims. (Cl. 240—1.)



1. A luminous pendant comprising the combination of a receptacle for the luminous material provided with a circumferential bead at its upper end, a holder having its lower edge shaped over the bead on the receptacle, a central opening at its upper end, and an opening in its side wall communicating with said central opening, and a cap formed with a central opening in its upper end and an imperforate side wall and having its lower edge adapted to be shaped over the lower edge of the holder and the receptacle bead.

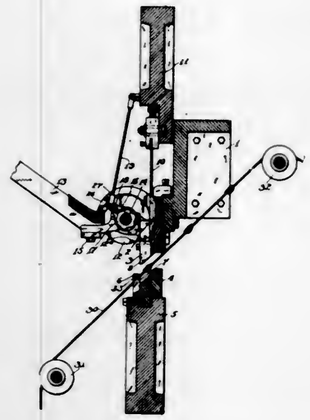
1,465,760. AIR VALVE. THOMAS C. DE VORE, Chicago, Ill., assignor of one-half to Freda C. De Vore, Chicago, Ill. Filed Apr. 11, 1922. Serial No. 551,488. 6 Claims. (Cl. 236—66.)



3. An air vent of the class described comprising a casing having an air vent formed therein; a valve controlling said vent; an adjustable support carried by said casing; an expansible tubular member carried by said support; a hanger carried by said tubular member; a core of relatively small coefficient of expansion carried by said hanger; and a valve stem carried by said last named support for controlling said valve.

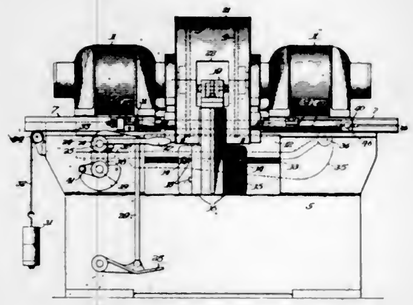
1,465,761. WIRE-FENCE LOOM. JOHN W. DWIGGINS, Muncie, Ind., assignor to Richard H. Schweitzer, Knightstown, Ind. Filed June 26, 1922. Serial No. 571,077. 10 Claims. (Cl. 140—11.)

1. In a wire fabric machine, the combination with tie bending dies having a delivery chute leading thereto, of means for delivering staple ties to said chute comprising a rotary member having notches in its periphery to receive the base of the staples, the legs of the staples being arranged to straddle said member, said member during a portion of its rotation being arranged to pass through



said die chute, a pair of arms straddling said member and means for moving said arms to force the staples out of the notches as the member rotates through said chute.

1,465,762. GRINDING MACHINE. RALPH D. GARDNER, Beloit, Wis. Filed Nov. 26, 1920. Serial No. 426,357. 18 Claims. (Cl. 51—116.)

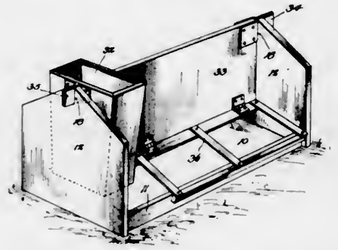


1. In a grinding machine, the combination of a pair of opposed grinding wheels, a movable carriage for each wheel, means for moving said wheels toward and from each other, and means including a pair of elements, movable with their respective wheels toward and from the other and adapted to abut one against the other for limiting the approach of said wheels.

1,465,763. STOCK FEEDER. NATHAN A. HEACOCK, Sullivan, Ill. Original application filed Apr. 12, 1920. Serial No. 373,218. Divided and this application filed June 1, 1921. Serial No. 474,088. 1 Claim. (Cl. 119—52.)

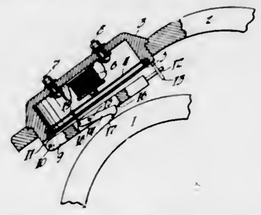
A stock feeder including a trough having standards, a hopper, a dividing board extending from the hopper,

brackets mounted one upon the hopper and the other upon said board and engaging with the standards for support-



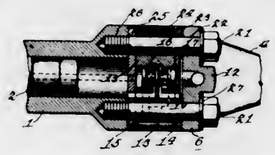
ing the hopper over the trough, and guards connected to the dividing board and engaging over opposite sides of the trough.

1,465,764. PHONOGRAPH RECORDER. NEWMAN H. HOLLAND, West Orange, N. J., assignor to New Jersey Patent Company, West Orange, N. J., a Corporation of New Jersey. Filed Nov. 6, 1920. Serial No. 422,122. 4 Claims. (Cl. 274—32.)



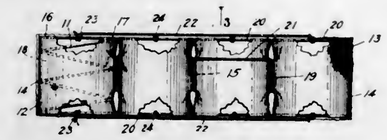
1. A phonograph recorder comprising a diaphragm, a member movable relative thereto, a stylus lever pivotally mounted intermediate its ends on said member and having arms of unequal length, the shorter arm of said lever being connected to said diaphragm eccentrically thereof, and a stylus carried by the longer arm of said lever, substantially as described.

1,465,765. PNEUMATIC-TOOL CONSTRUCTION. WILLIAM H. KELLER and ALBERT SCHINKEZ, Grand Haven, Mich., assignors to William H. Keller, Inc., Grand Haven, Mich., a Corporation of Michigan. Filed Sept. 22, 1919. Serial No. 325,294. 6 Claims. (Cl. 121—36.)



1. In a pressure-fluid-actuated tool, the combination of a cylinder having its rear end made of relatively large diameter, a handle having a forward disk portion, a cylindrical valve casing adapted to be interposed between the rear end of the cylinder and said disk portion, the rear end of said cylinder, casing, and disk portion being of substantially the same diameter, and means passing through said disk portion, the valve casing, and into the rear end of the cylinder, for rigidly securing the handle to the rear end of the cylinder while clamping the valve casing between said disk portion and the cylinder.

1,465,766. SPRING PAD. PHILLIP KRAKAUER, New York, N. Y. Filed June 15, 1922. Serial No. 568,416. 10 Claims. (Cl. 5—353.)



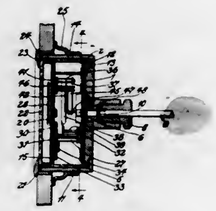
1. In a spring pad, a plurality of rows of wire springs, a fabric casing for each of said rows, and means independent of said casing for tightening said casing about each spring of a row.

1,465,767. BULLETPROOF ARMOR. LEO KRAUSE, New York, N. Y. Filed Feb. 10, 1923. Serial No. 618,229. 7 Claims. (Cl. 89—36.)



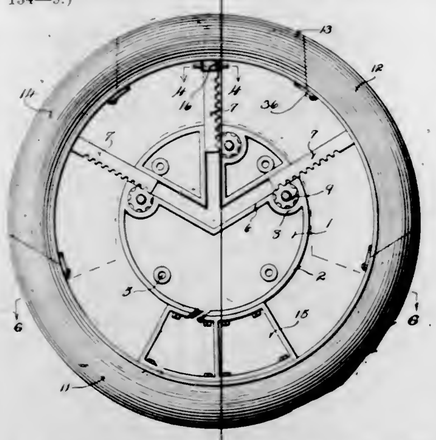
1. A bullet proof armor comprising a shield constructed of a series of tenacious metal plates lighter than steel, and a quilted member arranged adjacent to the plates.

1,465,768. INDICATING DEVICE. LEWIS A. MAPEL, St. Louis, Mo., assignor to The Automatic Appliance Company, St. Louis, Mo., a Corporation of Missouri. Filed Nov. 19, 1921. Serial No. 516,337. 14 Claims. (Cl. 73—110.)



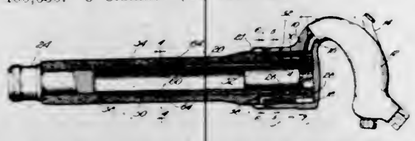
1. In an indicating device, a controlling element for causing motion to be imparted to an indicator, a lever mechanism for multiplying the movement of the controlling element, means supporting the lever mechanism independently of the controlling element, and a connection operatively uniting certain parts of the lever mechanism for causing the movement of the indicator to speed up in relative proportion to the slowing up of the movement of the controlling element.

1,465,769. COLLAPSIBLE TIRE BUILDING AND FINISHING CORE. JOSEPH E. QUIN, Cudahy, Wis. Filed Sept. 6, 1922. Serial No. 586,447. 5 Claims. (Cl. 154—9.)



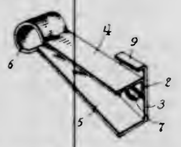
3. A core for a tire comprising a body portion, a core proper carried therefrom, a revolubly mounted standard pivotally joined to said body portion and having a slot therethrough and an aperture at right angles to said slot, an arcuate member secured to said body portion and slidably received in said slot and having a series of apertures adapted to aline with the aperture in said standard, and a pin adapted to pass through such alining apertures, whereby said core is adjustably held both angularly and revolubly.

1,465,770. FLUID-PRESSURE-ACTUATED TOOL. ERNEST H. SHAFF, Grand Haven, Mich., assignor to William H. Keller, Inc., Grand Haven, Mich., a Corporation of Michigan. Filed Aug. 2, 1920. Serial No. 400,650. 5 Claims. (Cl. 121—15.)



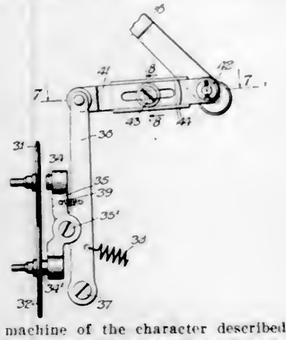
1. In a fluid-pressure-actuated tool, a piston, a tubular member supporting and guiding said piston, inlet and exhaust ports adjacent one end of said member, a body supporting said member and spaced therefrom to define a storage chamber, and an automatic valve opening said inlet ports and connecting said chamber to exhaust passages on the forward stroke, and closing said inlet ports, opening said exhaust ports and disconnecting said chamber from the exhaust passages on the return stroke.

1,465,771. CIGAR CUTTER. SAMUEL J. SIMMONS, Boston, Mass. Filed Aug. 27, 1921. Serial No. 496,026. 1 Claim. (Cl. 131—38.)



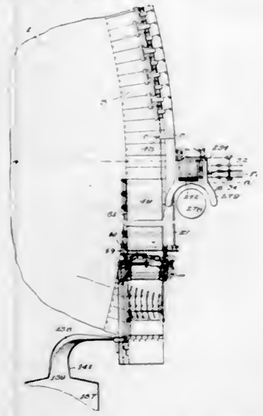
A cigar cutter comprising a pair of arms yieldingly pressed apart and composed of sheet metal, one of said arms having a portion bent up at right angles thereto at a lateral edge, the terminal section of said portion being bent over at right angles thereto to lie parallel with and to provide a stop for the other arm, the latter having a portion bent down at right angles thereto to lie flush with the surface of the first-named portion and having its edge sharpened and disposed to be oblique to the arm of which it is a part, the first-named portion having a hole through it disposed to coact with said sharpened edge.

1,465,772. MOTOR DRIVE FOR TALKING MACHINES. LOUIS P. VALIQUET, Chicago, Ill. Filed Mar. 3, 1921. Serial No. 449,404. 6 Claims. (Cl. 188—187.)



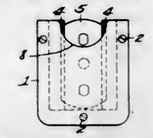
1. In a machine of the character described, the combination of a table shaft, a drive shaft and a governor shaft, provision for worm-driving the table shaft from the driving shaft and the governor shaft from the table shaft, a governor on the governor shaft having a brake-receptive element, a brake-receptive element on the drive shaft, and speed-governing-brake means coacting with both said brake-receptive elements.

1,465,773. MAIL-ASSORTING MACHINE. GEORGE F. WITTUM, Vallejo, Calif., assignor, by mesne assignments, of one-half to Mechanical Efficiency Company, a Corporation of Delaware, and one-half to The Auto Mail Distributor, Inc., Syracuse, N. Y., a Corporation of New York. Filed July 22, 1911. Serial No. 640,040. 114 Claims. (Cl. 214—11.)



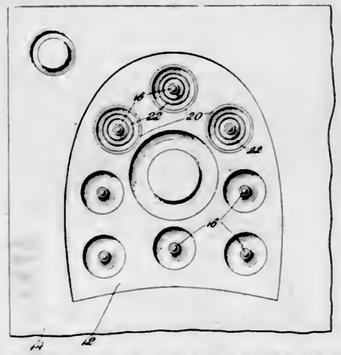
1. In a mail assorting machine, the combination with a rotary distributing device, having its entire supporting surface arranged substantially in a horizontal plane and adapted to successively receive and to carry flatwise a plurality of letters, of keyboard controlled selective mechanism for effecting discharge of letters from the distributing device at different points.

1,465,774. HOLDER FOR RAZOR BLADES. CHARLES K. WELCH, Wheeling, W. Va. Filed July 26, 1922. Serial No. 577,562. 3 Claims. (Cl. 206—16.)



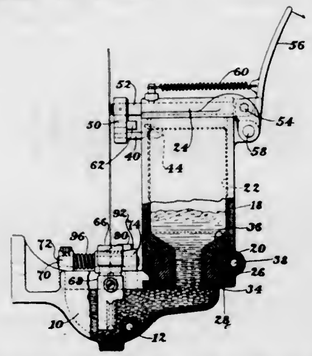
1. A holder for razor blades, comprising a case having opposite rigidly related side walls disposed to form therebetween a blade-receiving pocket, said pocket being open at one end for the introduction and removal of a blade, and strips of absorbent material located in the opposite lateral edges of said pocket for embracing the edges of a blade.

1,465,775. MOLD FOR RUBBER HEELS. WILLIAM BERNSTEIN, Jamaica Plain, Mass., assignor to Panther Rubber Manufacturing Company, Stoughton, Mass., a Corporation of Massachusetts. Filed May 13, 1922. Serial No. 560,704. 4 Claims. (Cl. 18—36.)



1. A mold for rubber heels having a heel cavity, means for supporting a friction plug in the heel cavity, and a spacing member for forming a space around the marginal portions of the bottom of the plug.

1,465,776. THREAD-WAXING DEVICE. FREDERIC E. BERTRAND, Lynn, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J., a Corporation of New Jersey. Filed Mar. 22, 1919. Serial No. 284,466. 22 Claims. (Cl. 91—46.)

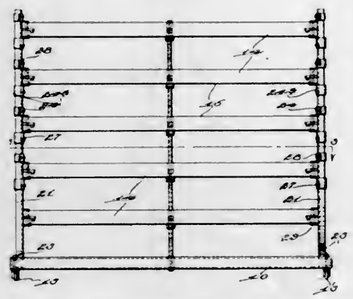


4. A thread waxing device for sewing machines having, in combination, a thread waxing chamber, two wax supply reservoirs and means for supporting the reservoirs so that they may be alternatively located in operating position with relation to the waxing chamber.

16. A thread waxing device for sewing machines having, in combination, a thread waxing chamber, a holder adapted to detachably receive a wax containing carton so as to provide a wax supply reservoir, means for mutilating said carton, and means for preventing the removal of the carton from the holder until it is mutilated.

22. A thread waxing device for sewing machines having, in combination, a thread waxing chamber comprising an open receptacle, thread guiding devices within the chamber, and a barometric feeding reservoir connected with the receptacle for supplying wax thereto.

1,465,777. SHOE RACK. JOHN S. CANTELO, East Cambridge, Mass. Filed Oct. 28, 1921. Serial No. 511,014. 12 Claims. (Cl. 211—14.)



1. A shoe rack comprising a portable truck, a series of shoe holding trays, and means for rigidly supporting said trays over said truck in spaced apart relation consisting in metallic upright at each end of said truck extending up transversely central of said trays, having its lower end forked a substantial distance from the bottom, and with the forks spread apart to constitute bracing means, and clips secured to said uprights equipped with means for engaging and rigidly holding the respective trays immovable with respect to said uprights.

1,465,778. MEANS FOR LUBRICATING LEAF SPRINGS. CARL J. COLEMAN, Minneapolis, Minn. Filed Jan. 26, 1921. Serial No. 440,033. Renewed Jan. 11, 1923. 6 Claims. (Cl. 184—1.)



1. An oiling device of the class described, comprising in combination with a vehicle frame and a leaf spring connected with said frame, a part of said spring extending at an angle from said frame, said angle changing responsive to the flexing of said spring, a closed oil container held positioned in said angle, having oil discharge openings adjacent said spring, said container comprising an upper part and a lower part fitted to be movable in

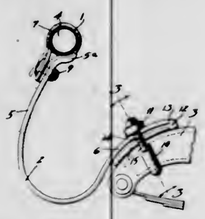
approximately air tight relation toward and away from each other, and means constantly holding said upper part against said frame and said lower part against said spring.

1,465,779. SUSPENDERS. WAITMAN DEVER CORDER, Philippi, W. Va. Filed Mar. 7, 1922. Serial No. 541,871. 4 Claims. (Cl. 241—19.)



1. A suspender comprising a pocket having eyelet openings in the bottom thereof, a looped cord having its opposite end portions directed upward through said openings, a tubular sheet-metal clamp of inverted-U-shape connecting the upper ends of said cord, and spiral compression springs encircling said end portions of the cord and the adjacent ends of said clamp.

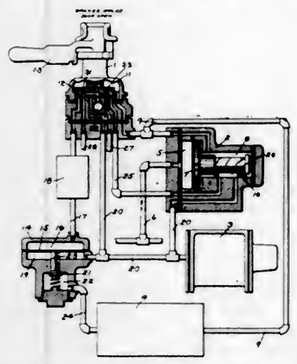
1,465,780. AUTOMOBILE BUMPER. VERGIL A. DAVISON, Detroit, Mich., assignor to The Cincinnati Ball Crank Company, Cincinnati, Ohio, a Corporation of Ohio. Filed Dec. 26, 1922. Serial No. 608,881. 6 Claims. (Cl. 293—55.)



1. An automobile bumper, comprising a transverse impact bar, and supporting members consisting of resilient bars of substantially U-shape, having one end portion bearing flatwise against the automobile frame members, an intermediate portion curving forwardly below the end of said frame member, and a substantially longer outer end portion extending upwardly above and forwardly beyond the frame member and terminating with a resilient loop for receiving and frictionally clamping the impact bar.

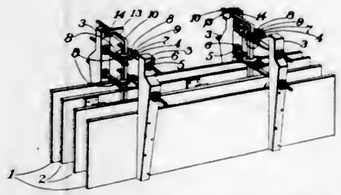
1,465,781. FLUID-PRESSURE BRAKE. CLYDE C. FARMER, Pittsburgh, Pa., assignor to The Westinghouse Air Brake Company, Wilmerding, Pa., a Corporation of Pennsylvania. Filed Sept. 13, 1922. Serial No. 587,902. 3 Claims. (Cl. 303—6.)

1. The combination with a brake cylinder, and a brake valve device having ports for controlling a car door and a service application position in which the car door is held closed and another position in which the car door is opened, of a brake cylinder pressure maintaining device operating according to the pressure of fluid supplied to the brake cylinder in the service application position



of the brake valve device for maintaining the brake cylinder pressure in the door open position of the brake valve device.

1,465,782. CONCRETE MOLD. GEORGE J. MCLAIN, Los Angeles, Calif. Filed Oct. 2, 1922. Serial No. 591,885. 4 Claims. (Cl. 25—131.)



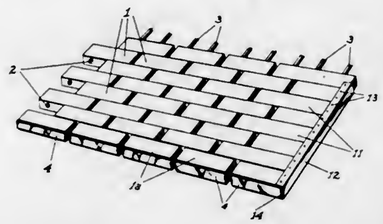
4. An adjustable concrete mold, comprising a pair of outer mold members arranged for movement toward and from each other, a pair of flattened rods with a series of adjusting holes attached to each of two nearly opposite posts supporting said mold members, plates for connecting these rods by means of rivets and cotter pins, a common operating member fitting square holes in center of said plates, having a cotter pin above and below each plate, an operating lever, and catch attached to post for engaging operating lever.

1,465,783. STAPLE STRIP. FRIDOLIN POLZER, New York, N. Y., assignor to The E. H. Hotchkiss Company, Norwalk, Conn., a Corporation of Connecticut. Filed July 10, 1922. Serial No. 574,007. 2 Claims. (Cl. 85—17.)



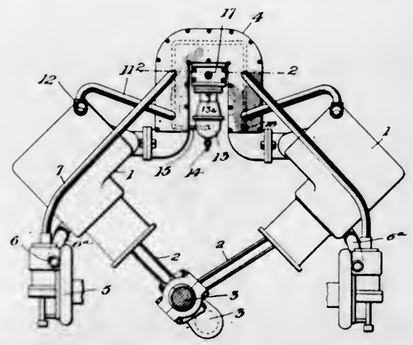
1. As an article of manufacture a staple strip comprising a plurality of staples integrally connected and adapted for use in an automatic stapling machine in which the individual staples are severed from the strip and driven, said staples being substantially U-shaped and of substantially flat sheet metal provided with a longitudinal strengthening rib extending throughout substantially the length of the legs thereof to a position at least adjacent the points of the staple, and the connection between the staples being substantially straight transversely of the strip.

1,465,784. MATTING. JAMES E. RICHARDSON and WILLIAM B. THURMAN, Stockton, Calif., assignors to California Cedar Products Company, Stockton, Calif., a Corporation. Filed Apr. 10, 1922. Serial No. 551,034. 10 Claims. (Cl. 20—78.)



1. A matting consisting of transverse rows of blocks, the blocks in each row being disposed in longitudinal alinement with the ends of the blocks of alternate rows arranged in offset relation to those of the other rows, protective bands placed about the vertical faces of the blocks of the outer rows, and means for uniting the blocks to form a complete unit.

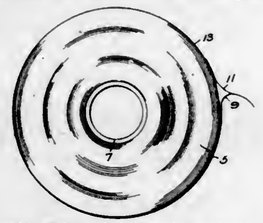
1,465,785. FUEL PREHEATER FOR INTERNAL-COMBUSTION ENGINES. WALTER C. RODABUSH, Harrisburg, Pa., and FRED SCHLUETER, New York, N. Y. Filed Mar. 3, 1920. Serial No. 362,941. 4 Claims. (Cl. 123—122.)



1. A manifold for an internal combustion engine having an inlet for the combustible mixture and an outlet for delivering the mixture to the engine cylinder, a carbureter in communication with the inlet of the manifold, means interiorly of the manifold for heating the mixture from the carbureter, a feed pipe for fluid fuel leading to the carbureter from a source of supply through the said heated manifold, whereby the fluid fuel is heated prior to its delivery to the carbureter by means of the heating means in the manifold and whereby the carbureted mixture delivered to the manifold is heated therein by the same means which heats the fluid fuel delivered to the carbureter.

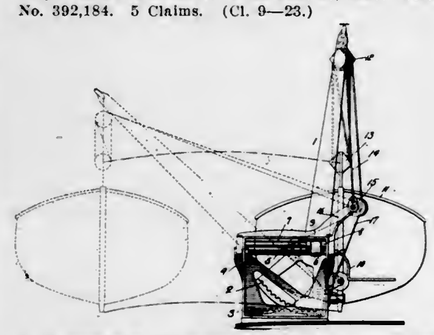
1,465,786. SECURING THE ENDS OF ROLLS. WILLIAM M. WHEILDON, Ashland, Mass., assignor to Edward H. Angier, Framingham, Mass. Filed Mar. 12, 1920. Serial No. 365,335. 4 Claims. (Cl. 206—58.)

1. A roll of material having its end portion turned back and a separate strip of more readily rupturable material sealed to said turned back portion and the adjacent inner turn of the roll, the end portion of the



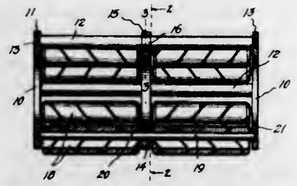
roll beyond said strip being loosely related to the body of the roll and providing for ready grasping to apply a rupturing tension to said strip.

1,465,787. APPARATUS FOR LOWERING AND RAISING SHIPS' BOATS. HARRY W. BROADY, Bayside, N. Y., assignor to American Balsa Company, Inc., a Corporation of New York. Filed June 28, 1920. Serial No. 392,184. 5 Claims. (Cl. 9—23.)



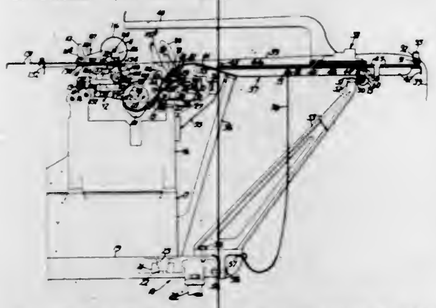
1. In apparatus for raising and lowering boats, the combination with a davit movable to swing in a vertical plane from inboard to outboard position, of pulleys carried by the davit and a boat suspending rope arranged to cause a pulling or drawing of the opposite ends of said rope over the pulleys carried by the davit as the said davit is moved from inboard to outboard positions.

1,465,788. MULTIPLE-ROLLER BEARING. ALLAN H. JONES, Belleville, N. J., assignor to Circle Stamping & Mfg. Co., Belleville, N. J., a Corporation of New Jersey. Filed Oct. 31, 1921. Serial No. 511,565. 6 Claims. (Cl. 64—62.)



1. In a multiple roller bearing, the combination of a cage comprising a pair of end rings, a binder ring between the end rings and having a series of holes therethrough, tie bars slipped endwise through the binder ring holes, said bars having annular grooves of a width equal to the thickness of the body of the binder ring and into which grooves portions of the binder ring are forced in a direction serving to prevent twisting of the cage, the ends of the tie bars being rigidly connected to the end rings for holding them at a predetermined distance apart, and a plurality of series of rollers located between the respective end rings and the binder rings.

1,465,789. TYPEWRITING MACHINE. HENRY L. PITMAN, Westfield, N. J., assignor to Underwood Typewriter Company, New York, N. Y., a Corporation of Delaware. Filed June 19, 1922. Serial No. 569,291. 25 Claims. (Cl. 197—127.)



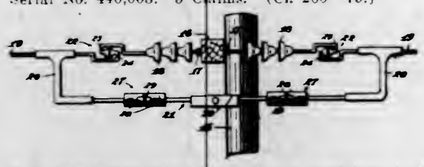
1. In a machine of the class described having a platen, a carriage therefor, comprising a forwardly and downwardly inclined rear paper-table, and denomination-selecting mechanism projecting above said paper-table at its rear, fan-fold mechanism including a carbon-carrier and a rearward extension of the carriage having a continuous guard portion extending over the denomination-selecting mechanism and arched so as to have its forward edge adjacent the upper edge of the rear paper-table and its rear portion below the level of the top of the denomination-selecting mechanism, and a carbon-carrier-track portion extending rearwardly from said guard portion at such a level that the web passes substantially horizontally from the carbon-carrier over the guard.

1,465,790. FLOAT DEVICE. DAVID L. RANLETT, New York, N. Y., assignor to American Balsa Company, Inc., a Corporation of New York. Filed Nov. 28, 1919. Serial No. 341,107. 2 Claims. (Cl. 9—17.)



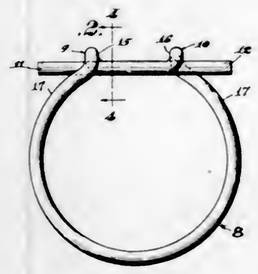
1. A portable float device comprising a buoyant float substantially U-shaped in conformation and principally formed of balsa wood which has been treated to preserve and waterproof the same, and a seat suspended from and below said float and positioned in the space between the legs of said U-shaped float adjacent to the rear thereof.

1,465,791. LINE AND CIRCUIT BREAKER. WILLIAM T. RUTLEDGE, Santa Ana, Calif. Filed Jan. 26, 1921. Serial No. 440,003. 5 Claims. (Cl. 200—79.)



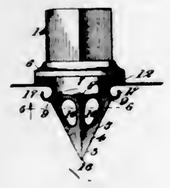
2. In an electric transmission line, a cross arm, a pair of non-conducting supports extending from opposite sides of said cross arm, a pair of hangers connected to said supports by a ball and socket joint adapted to remain interlocked when under a tension stress, electrical conductors connecting said hangers, and an interlocking member connecting said conductors normally held in engagement by tensile pull imparted to said hangers and adapted to automatically disengage on relief of the pull on said hangers.

1,465,792. HOSE CLAMP. WILLIAM T. RUTLEDGE, Santa Ana, Calif. Filed Aug. 16, 1922. Serial No. 582,245. 2 Claims. (Cl. 24—19.)



1. A hose clamp comprising a single length of wire curved into a single coil with hooks formed near each end thereof leaving free ends of wire extending from said hooks, the hooks being bent outwardly and radially from the periphery of said coil and twisted to extend at right angles to the sides of said coil thereby forming notches open to the inside of said coil.

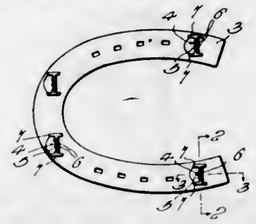
1,465,793. DETACHABLE SPOUT FOR CONTAINERS. AUGUST SCHILLING, San Fancisco, Calif. Filed July 11, 1921. Serial No. 483,748. 1 Claim. (Cl. 221—23.)



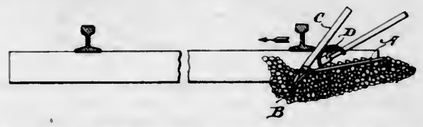
A detachable spout for containers, comprising a tube open at one end and having its opposite integral end tapered and polygonal in cross section, the sides of the tapered portion disposed at angles to each other with their meeting edges forming cutting blades, the sides of the tapered portion being provided with openings communicating with the interior of the tube, an integral flange extending annularly of the tube in spaced relation to the base of said tapered portion, the tube intermediate said flange and base of the tapered end being substantially circular in cross section providing a locking projection at the base of the meeting edges of each side of the tapered portion, a flexible washer on the underside of the flange, and a closure for the tube affording a means for imparting an axial movement thereto when desired.

1,465,794. REMOVABLE CALK. MATTHEW M. SHERWOOD, Scranton, Pa. Filed Feb. 27, 1922. Serial No. 539,609. 1 Claim. (Cl. 168—41.)

A detachable calk for horseshoes comprising a one-piece body including a tapered shank to be driven into an opening in the horseshoe, a substantially rectangular plate-like part connected with the shank, said part being comparatively thin at its bottom and gradually increasing in thickness towards its top, and being longitudinally corrugated from one vertical end to the opposite vertical end to render it self-sharpening and ever sharp, and relatively wide end-pieces bordering the top and vertical edges of said plate-like part, said end-pieces being integral therewith and disposed at right angles thereto and extending equal distances on opposite sides of said part.

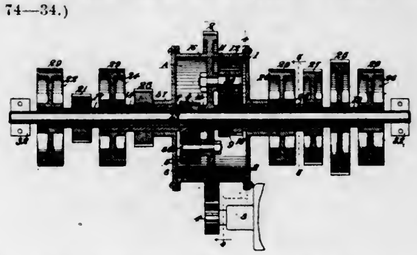


1,465,795. TRACK LINER. WILLIAM PATON THOMSON, Forest Hills, and CLARKSON A. DISBROW, New Rochelle, N. Y., assignors to The Rail Joint Company, New York, N. Y., a Corporation of New York. Filed Apr. 20, 1922. Serial No. 555,700. 14 Claims. (Cl. 254—43.)



1. A tack lining device including a base and track throwing means carried thereby, said base having a ballast-engaging bottom surface and provided with anchoring means rendered increasingly effective as the force of the track throwing means is applied to the rail.

1,465,796. VARIABLE-SPEED-TRANSMITTING MECHANISM. HERBERT E. TWOMLEY, Riverside, Calif., assignor to George D. Parker, Riverside, Calif. Filed June 2, 1921. Serial No. 474,462. 7 Claims. (Cl. 74—34.)



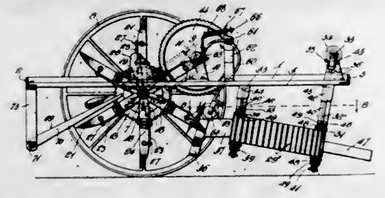
1. In a variable speed power transmission mechanism, the combination with a supporting shaft, of a power driven drive drum keyed thereto, a plurality of transmission gears within and carried by the drive drum, said gears being arranged in pairs with the gears forming each pair keyed one to the other and normally working as idle gears, a plurality of concentric hubs loosely mounted on the supporting shaft and extended within the drum, a gear secured to the inner end of each hub and one in mesh respectively with one of the gears of each pair of gears secured to and carried by the drive drum, said intermeshing gears having a different gear ratio, an actuating gear secured to each hub at a point removed from the drive drum, and means associated with each concentric hub whereby one hub may be held locked against movement relative to the other, so that its inner gear causes the gear within the drum intermeshing therewith to act as the means for causing power of the drive drum to be transmitted for actuating the companion meshing gear to apply power to the loose concentric hub associated with the locked hub.

1,465,797. PREHEATER. ROBERT WALTON WIEDERWAX, Atlantic City, N. J., assignor, by direct and mesne assignments, to Geist Manufacturing Company, Atlantic City, N. J., a Corporation of Delaware. Filed July 25, 1921. Serial No. 487,534. 2 Claims. (Cl. 263—9.)



1. A preheater having a closed bottom, closed sides, and an open top, burners projecting through one of the walls thereof, a layer of refractory aggregates arranged within said preheater, and means for supporting an article to be heated on the top of said preheater.

1,465,798. BEET TOPPER. MILLARD BURGESS ANDRUS, Draper, Utah. Filed Apr. 6, 1922. Serial No. 550,075. 8 Claims. (Cl. 55—108.)

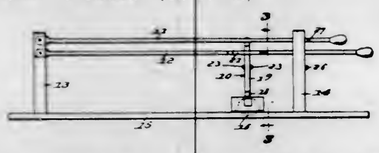


2. A beet topper comprising a frame, means for receiving untopped beets and directing the beets rearwardly, a beet carrier wheel rotatably mounted and having sets of resilient beet gripping arms movable transversely of the wheel, means for spreading the arms as the wheel rotates, means actuated by each set of arms for thrusting beets into position between a following set of arms while the last mentioned arms are spread, cutting means for removing beet tops while the roots are gripped between the arms, and means for removing beet roots from between the arms after the tops have been removed.

5. The structure of claim 2 having the means for thrusting the beets into place between the arms consisting of a lever vertically disposed and pivotally mounted and having at its lower end a beet engaging roller, the upper end portion being bent and extending rearwardly and terminating in a cross head for engagement by the arms of the beet carrying wheel, and resilient means yieldably holding the lever against movement by the wheel.

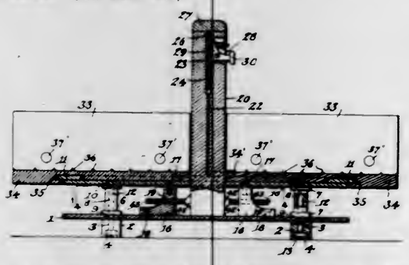
7. A beet topper comprising a frame, means for receiving beets from the ground and conveying the beets rearwardly, a drive shaft, a beet carrying wheel having a hub loose upon the shaft, resilient arms radiating from the hub in pairs, means for moving beets from the beet conveying means into engagement with the resilient arms, a gear wheel loose upon said shaft connected with said hub to one side thereof, a gear rigid upon the shaft, a gear rotatably mounted and meshing with the gear carried by the hub, a gear to one side of the last mentioned gear and rigid therewith and meshing with the gear rigid upon the drive shaft, a cam carried by said frame, knife blades pivotally carried by certain of said arms and moved to an operative position when engaged with said cam, and a root receiving structure having a tapered end portion extending to engage beets and remove the beets from the arms as the wheel rotates.

1,465,799. CLAM OPENER. EDWARD J. ASZKLAR, Plantsville, Conn. Filed Feb. 1, 1923. Serial No. 616,365. 8 Claims. (Cl. 17—9.)



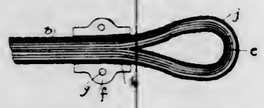
1. An apparatus for opening clams and the like having a head consisting of oppositely movable jaws and an intermediate shell penetrating member for insertion between the edges of the shell, and means for successively advancing the head and spreading said jaws.

1,465,800. MITER BOX. WILLIAM C. AYRES, Pontiac, Mich. Filed Nov. 17, 1922. Serial No. 601,512. 8 Claims. (Cl. 143—90.)



1. A miter box comprising a stationary table, a guide member projecting therefrom, a saw guide projecting upwardly from said table, a pair of angularly adjustable work holders each including a support projecting from the table, and a quadrant-shaped body portion depending from said support and pivotally connected with the saw guide and interposed between the latter and said guide member which conforms to the curve of the quadrant-shaped portions.

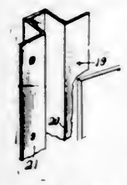
1,465,801. METALLIC ROPE. GEORGE BELL, Jesmond, Newcastle-upon-Tyne, England. Filed Dec. 30, 1921. Serial No. 525,904. 8 Claims. (Cl. 117—58.)



6. A rope comprising a core consisting of continuous flattened convolutions of metal wire, said convolutions lying parallel to and adjacent one another except at their ends forming loops, a metal ribbon shrunk in partly overlapping spirals round said parallel portions of said convolutions with a clearance between the shoulder formed by the overlapping of one spiral over another and the edge of the next spiral, flexible wires wound round the portions of said convolutions forming loops, clamps surrounding the junction of said loops so covered with said parallel portions so covered, and means for preventing entry of water between said clamps and the surfaces surrounded thereby.

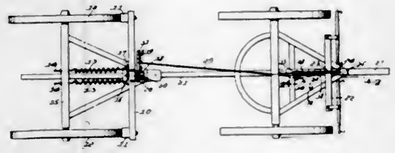
1,465,802. ROLLING-SCREEN GUIDE. JOHN D. BITONDI, Hartford, Conn. Filed Jan. 10, 1918. Serial No. 211,217. 1 Claim. (Cl. 156—39.)

A guide for a rolling screen consisting of a U-shaped member for extension throughout the full length of a window frame and outwardly extending flanges integrally connected with the respective legs of said U-shaped member at the outer edge thereof, each flange disposed in a single plane at substantially right angles to the respective leg and extending the full length of said member, one of said flanges being provided with spaced holes through



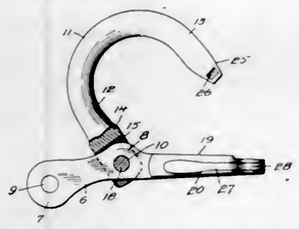
which screws may be passed to attach the guide to the outside bead of the window frame and the other flange acting as a reinforcement to prevent distortion of the free edge of the guide.

1,465,803. TEAM-OPERATED WAGON BRAKE. JOHN F. BOETTNER, Watson, Mo. Filed Apr. 23, 1921. Serial No. 463,924. 3 Claims. (Cl. 188—169.)



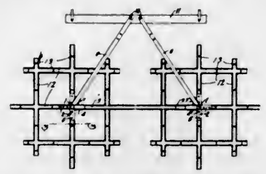
1. A team operated brake mechanism having a spring actuated brake beam yieldingly held in brake applying position, a draw bar movable longitudinally of the vehicle and having draft appliances connected therewith, connections between the draw bar and the brake beam for moving the latter in opposition to the tension of its actuating spring, and locking means for securing the draw bar with the brake beam in an inoperative position and consisting of a lever having connection at an intermediate portion of its length with the draw bar and held in adjusted position by the tension of the brake applying spring.

1,465,804. COUPLING DEVICE. ALBERT C. BUBB, Baltimore, Md. Filed Mar. 14, 1923. Serial No. 625,022. 6 Claims. (Cl. 24—241.)



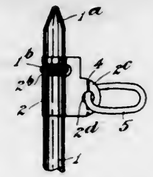
1. A coupling device comprising a shank having one end thereof provided with an opening, a guard integral with the other end of the shank and provided with an opening and further provided in one side with a lengthwise groove intersecting said opening, a hook-shaped attaching member having one leg pivotally connected with that end of the shank from which the guard extends and further adapted to have its other end extended into the opening in the guard, the last mentioned end of said attaching member having a peripheral groove adapted to register with the groove in the guard, and a pivoted spring controlled locking device mounted in the groove of the guard and engaging in the groove of the attaching member for detachably securing it in closed position.

1,465,805. ROTARY HARROW. JOHN A. CARTWRIGHT, Caldwell, Idaho. Filed May 15, 1920. Serial No. 381,760. 1 Claim. (Cl. 55—13.)



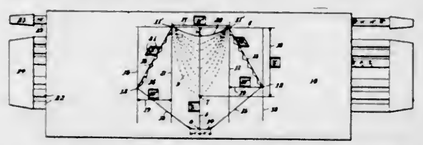
In an apparatus of the class described, coacting rotative harrow devices, a stud rising from the center of each harrow device, a bridging member, means for coupling the bridging member to swing without vertical play or lateral play upon the upper end of each of said studs and operating to couple the harrow devices, an evener beam adapted to receive draft appliances, braces connected at one end to said bridging member and respectively engaging the studs in spaced relation to the bridging member, and swinging without vertical or lateral play thereon, and a pull bar rotatively engaging each of said studs adjacent each harrow device without vertical or lateral play thereon and pivoted at the opposite ends to the evener beam.

1,465,806. TETHERING PEG. OLIVER W. J. CHESTER, Glenmaggie, Gippsland, Victoria, Australia. Filed Nov. 13, 1922. Serial No. 600,657. 4 Claims. (Cl. 119—121.)



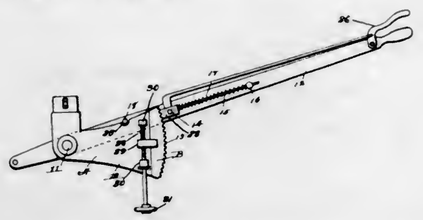
1. A tethering peg having a projection near its head, a rotatable band clamping the peg and having a slot into which the projection extends to prevent the band sliding longitudinally, a pair of tongues projecting from the band and being apertured for connection thereto of a chain or the like.

1,465,807. METHOD OF AND MEANS FOR LAYING OUT BLANKS OF PLAITED ARTICLES. CHRISTIAN CHRISTENSEN, Rye, N. Y. Filed Apr. 7, 1922. Serial No. 550,313. 6 Claims. (Cl. 33—174.)



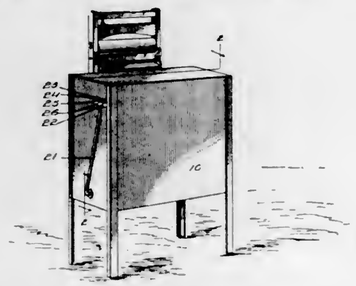
1. The method of laying out the blank of a plaited article consisting in drawing a vertical base line and a horizontal base line, laying off on the vertical base line the points for the article depth and the blank depth, laying out on the horizontal base line the top width of the blank, laying off extreme width points for the blank at opposite sides of the vertical base line, drawing a horizontal bottom width line of the blank from the vertical base line, drawing the side edge lines of the blank from the ends of the top and bottom width line of the blank to the extreme width points of the blank, and then laying off the width of the plaits along the edge line or lines of the blank where tre plaits are to be folded and secured.

1,465,808. THROTTLE-ADJUSTING DEVICE AND SAFETY LOCK. LEE CHRISTMAS, Guatemala, Guatemala. Filed Feb. 23, 1922. Serial No. 538,602. 6 Claims. (Cl. 74—39.)



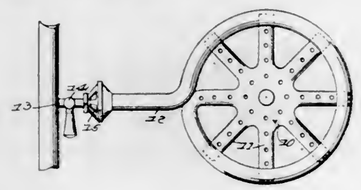
1. The combination with a locomotive throttle lever, a rack, a safety device coacting with the rack and comprising a stationary element having an opening or notch therein and a member carried by the lever adapted to automatically engage in said opening or notch when the lever is in throttle closing position.

1,465,809. ELECTRIC HEATING APPARATUS. GEORGE R. CONKLIN, Norman, Okla. Filed Nov. 14, 1921. Serial No. 515,029. 4 Claims. (Cl. 219—64.)



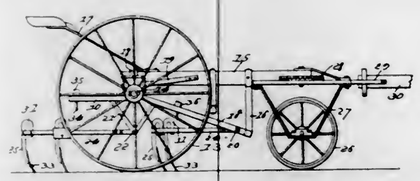
1. An electrical heating apparatus comprising a closed water tight casing, a filling of insulation material within said casing, a plurality of heating units embedded within said filling, said material of a characteristic capable of hardening around the units under the action of the heat therefrom, a conduit leading from said casing, and terminal conductors leading from said heating elements and extending outwardly of said conduit.

1,465,810. GAS BURNER. PHILIP R. DIXON, Cincinnati, Ohio. Filed Aug. 27, 1921. Serial No. 495,853. 1 Claim. (Cl. 158—108.)



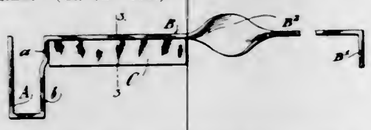
A gas burner having a burner head provided with a plurality of burner orifices, and a mixing tube disposed above the head and arranged in a plurality of convolutions of which the lowermost connects with the head, said convolutions being disposed in encircling relation with the head and just above the plane of the latter.

1,465,811. CULTIVATOR. LOUIS DORÉ, Snoqualmie Falls, Wash. Filed Jan. 20, 1921. Serial No. 440,078. 1 Claim. (Cl. 97—233.)



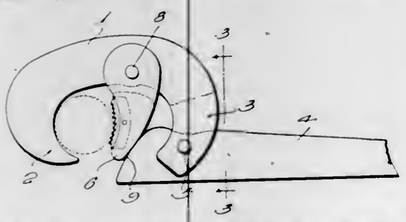
A cultivator having a marginal frame beam having parallel side members and a connecting front member, a transverse axle secured to the side members of the marginal frame between the front and rear ends thereof and having supporting wheels mounted upon spindles at the extremities thereof, said marginal frame being downwardly and forwardly inclined in advance of the plane of the axle, a stub tongue secured at its rear end to the axle and connected with the transverse front member of said marginal frame by a hanger, and front and rear series of independent standard carrying draw bars fulcrumed upon said frame, the said series of draw bars being connected with the frame by transverse fulcrum rods the front rod connecting the side portions of the marginal frame and the rear rod being carried by hangers depending from said side portions in the plane of the axle.

1,465,812. TIE FOR MASONRY. DAVID DUNBAR, Glasgow, Scotland, assignor to The Lennox Manufacturing Company, Limited, Duntocher, Dumbartonshire, Scotland. Filed Nov. 26, 1919. Serial No. 340,744. 4 Claims. (Cl. 72—103.)



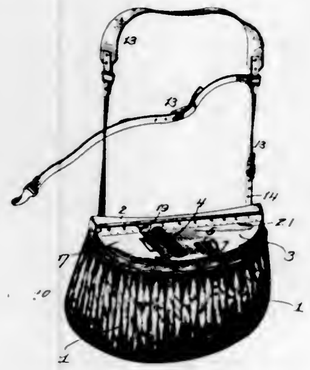
1. A holdfast device comprising an arm adapted to be embedded in the brickwork, stonework and the like, means at one end thereof for preventing longitudinal displacement of the device, and a channel portion at the other end thereof adapted to retain a wooden strap, lath and the like in position, said channel portion being bent to bear on the face of the wall and again bent to form an air space between the wall and the said wooden strap, lath and the like.

1,465,813. PIPE TONG. NEWTON FELLABAUM, Sperry, Okla. Filed Nov. 6, 1922. Serial No. 599,338. 1 Claim. (Cl. 81—91.)



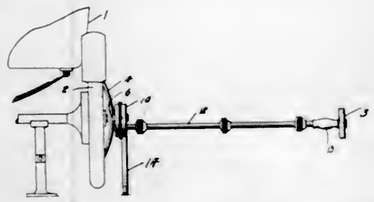
A pipe tong comprising a C-shaped body having its ends curved inwardly toward each other, one of said ends constituting a fixed jaw, a handle pivoted near its front end to the other end of said body and having an obliquely cut front end disposed between the ends of said body, and a movable jaw pivoted at one end to the intermediate portion of said body, the other end of the jaw being interposed between said fixed jaw and the obliquely cut front end of said handle, said obliquely cut end having a single point contact with the free end portion of said movable jaw, said point of contact being disposed at a point comparatively remote from the pivot of the movable jaw and the distance between the point of contact and the pivot point of the movable jaw being the same at all times, whereby to obtain a comparatively powerful leverage.

1,465,814. FISH AND BAIT CARRIER. CHARLES M. FORSBURG, Williamsport, Pa. Filed Sept. 6, 1922. Serial No. 586,508. 2 Claims. (Cl. 43—55.)



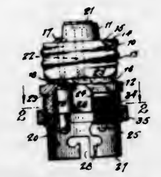
2. In a combined fish and bait carrier, the combination of a main receptacle, a bait receptacle therein provided with a flange removably engaging the main receptacle, a loop on another wall of the bait receptacle, and a strap passing through a wall of the main receptacle and through the loop on the bait receptacle.

1,465,815. TOOL-DRIVING ATTACHMENT FOR AUTOMOBILES. ELMER M. GOLDNER, Ellston, Iowa. Filed June 14, 1921. Serial No. 477,467. 1 Claim. (Cl. 74—106.)



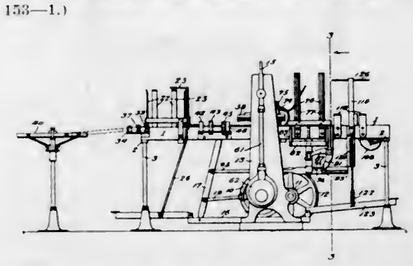
A power take off for a spoked wheel comprising a spider provided with means for attachment to a plurality of spokes of the wheel at each side of the hub thereof, a stub shaft carried by said spider to be rotated therewith and to be disposed in alignment with the axis of rotation of the wheel, a gear secured to said stub shaft to be rotated therewith, an elongated gear casing enclosing said gear and supported by said stub shaft, a second stub shaft disposed at one side of the first stub shaft and journaled by said casing, a gear secured to and rotatable with said second stub shaft and disposed within the casing, said gear meshing with the first mentioned gear, said second stub shaft extending through the front wall of the gear casing and adapted to have a power shaft secured to it and an arm carried by said gear casing and adapted to engage the ground to prevent the casing rotating with the spider.

1,465,816. ADAPTER. GILBERT W. GOODRIDGE, Bridgeport, Conn., assignor to The Bryant Electric Company, Bridgeport, Conn., a Corporation of Connecticut. Filed May 27, 1918. Serial No. 236,698. 3 Claims. (Cl. 173—344.)



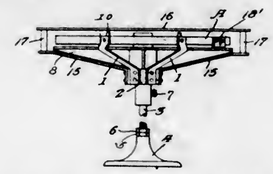
1. An adapter comprising an insulating button having a boss projecting from the entering end thereof, a center contact on said boss, a connecting strap seated in the opposite end of said button, an axial connecting member engaging said center contact and strap to hold the same assembled on said button and to establish electrical connection therebetween, a contact stud mounted on said strap and arranged out of alinement with said connecting member, together with a screw shell surrounding said button and having a flange overlying the entering end of the button around said boss, a contact stud arranged on the opposite end of said button, and a connecting member passing through the button and serving to mechanically and electrically connect said screw shell and stud and to secure the same upon said button, substantially as described.

1,465,817. AUTOMATIC MACHINE FOR SHAPING AND FASTENING IRON BANDS TO BOX MATERIAL. SHELTON J. GUNN, Gunntown, Fla. Filed Mar. 17, 1922. Serial No. 544,565. 20 Claims. (Cl. 153—1.)



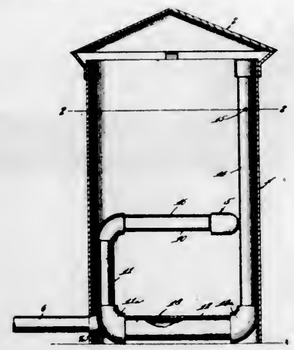
1. A machine of the class described, including a bed, a holder for stacked covers, means for forming metal reinforcing strips around the ends of said covers, a puncturing means, means to feed the reinforced covers in single succession from the holder to the forming means and puncturing means, and means for severing the continuous metal reinforcing strips after passing from the puncturing means.

1,465,818. REEL. SHELTON J. GUNN, Gunntown, Fla. Filed Mar. 29, 1922. Serial No. 547,935. 4 Claims. (Cl. 242—105.)



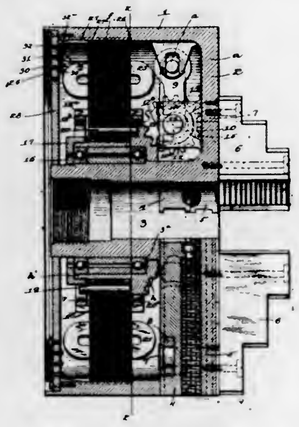
1. The combination of a standard, a stationary supporting block secured thereto, a reel rotatably supported upon said block, a stationary rim arranged above said reel and supported upon said stationary block, and a cross bar extending diametrically over said stationary rim and supported upon said stationary block.

1,465,819. ORCHARD HEATER. OLIVER B. HALSTEAD, near Ontario, Calif. Filed May 22, 1922. Serial No. 562,821. 2 Claims. (Cl. 158—63.)



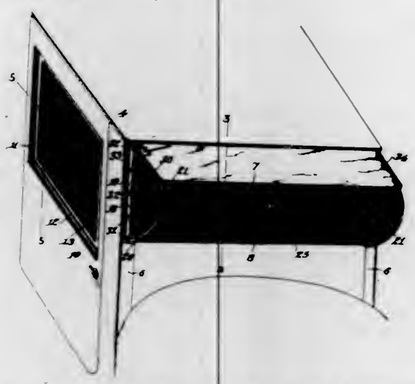
2. A heater of the class described comprising a sheet metal casing having a removable overhanging closure at its upper end with openings formed under the overhanging portion thereof, a gas generator mounted in said casing and comprising a supply pipe entering through one side wall thereof, an upright pipe connected with said supply pipe, a horizontally disposed U-shaped pipe connected at one end with said upright pipe, another pipe depending from the other end of said U-shaped pipe, a horizontal pipe carried by said depending pipe, an upstanding pipe leading from said last mentioned pipe and having a burner at its upper end, and an aperture in one of said lower pipes for the outlet of oil to be burned and by means of which the oil in the other pipes is heated.

1,465,820. POWER-OPERATED CHUCK. HOWARD MORTON HAY, Wenonah, N. J. Filed Feb. 8, 1921. Serial No. 443,340. 22 Claims. (Cl. 279—119.)



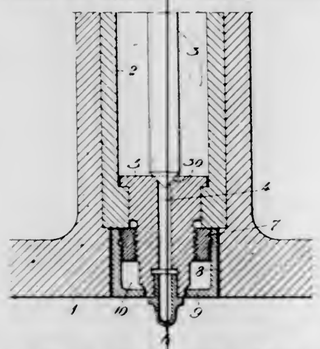
1. In a chuck, a hollow cylindrical body having an internal hub, an electric motor within the body and comprising field and armature members, one member fixed to the chuck body and the other rotatably mounted with respect to the body, and means operated by the latter member for moving the chuck jaws.

1,465,821. SCREEN ATTACHMENT FOR AUTOMOBILES. CHARLES R. HENDERSON, Waterloo, Ill. Filed Aug. 29, 1922. Serial No. 584,979. 8 Claims. (Cl. 246—95.)



1. A screen attachment for motor vehicles comprising a pair of spaced outer frames adapted to be secured to the vehicle and each including an inner vertical portion and a forwardly projecting portion, a pair of spaced inner supporting frames each including an inner vertical portion and a forwardly projecting portion, the forwardly projecting portions of the outer frames overlapping and spaced from the forwardly projecting portions of the inner frames, a foraminous element having its ends mounted on the forwardly projecting portions of said inner frames, foraminous elements interposed between said inner and outer frames, and means for securing the forwardly projecting portions of the inner frames to the forwardly projecting portions of the outer frames whereby said foraminous elements are secured in position.

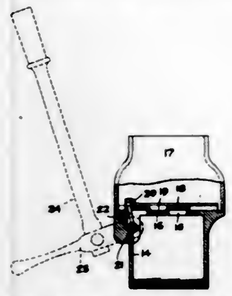
1,465,822. FUEL-SUPPLY VALVE. KNUT JONAS ELIAS HESSELMAN, Saltsjo-Storangen, Sweden. Filed Oct. 24, 1922. Serial No. 596,625. 3 Claims. (Cl. 123—32.)



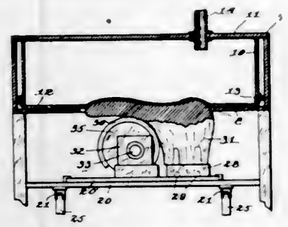
1. In a valve for direct admission of liquid fuel into the combustion chamber of internal combustion engines, the combination of a valve body, a valve seat, a spraying nozzle, between which and the said seat a space is formed, which is filled with liquid fuel in the intervals between successive injections, and a heat insulation between said space and the combustion chamber of the engine.

1,465,823. FLUSHING SYSTEM. AUGUSTUS HOBECK and JOHN LAUGHLIN, Toronto, Ontario, Canada. Filed Feb. 5, 1921. Serial No. 442,820. 1 Claim. (Cl. 4—5.)

An automatically closing manually operated flushing valve for water closets comprising a lower casing portion having a closed upper end with a port therein, a slide valve with a port therein sliding on said upper end of the lower portion of the casing, an upper casing portion suitably secured to the lower casing portion, a cross spindle freely journalled in the lower portion of the casing, a hollow boss extending through the slide valve and closed at its upper end, a pin on the spindle inserted into the hollow boss, an arm on the spindle and an operating lever secured to said arm intermediately of the length of the same.

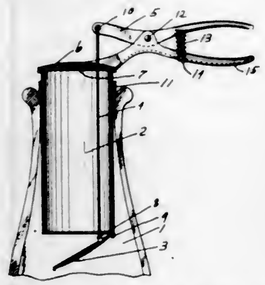


1,465,824. APPARATUS FOR APPLYING RUBBER OUTSOLES TO SHOES. FRANK W. HODGES, Malden, Mass., assignor to Converse Rubber Shoe Company, Malden, Mass., a Corporation of Massachusetts. Filed June 14, 1920. Serial No. 388,804. 4 Claims. (Cl. 12—33.)



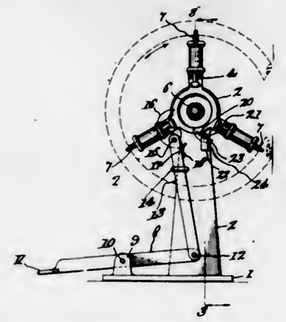
1. In a machine of the class described, a diaphragm, a flat shield therefor, apertured to conform closely to the contour of a shoe, a carriage, means to carry a last upon said carriage, means to position the carriage with the last adjacent the aperture of the shield, and means to distend the diaphragm through the aperture of the shield and thereby apply pressure around the said last.

1,465,825. LIQUID EXTRACTOR. CARROLL HURD, Cleveland, Ohio. Filed Jan. 10, 1922. Serial No. 528,232. 1 Claim. (Cl. 65—28.)



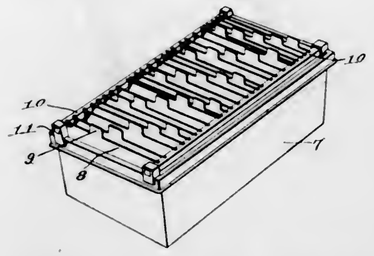
A cream remover for insertion in a milk bottle comprising a receiver closed at its upper end and open at the lower end, a closure hinged to the said lower end of the receiver, a rod connected to the closure at a point adjacent to the hinge and passing slidably through an opening in the upper end wall, a laterally extending handle having its inner end rigidly secured on the upper closed end of the receiver and apertured to form a bearing receiving the rod therethrough, a lever connected at its inner end to the upper extremity of the rod and pivoted at an intermediate portion thereof to a corresponding portion of the said handle, and a spring interposed between the handle and the lever outwardly of the pivot and normally acting through the lever and rod to hold the closure in an open position.

1,465,826. RETREADING MACHINE. ROBERT CALVIN KING, El Paso, Tex. Filed Jan. 26, 1922. Serial No. 531,946. 1 Claim. (Cl. 154—9.)



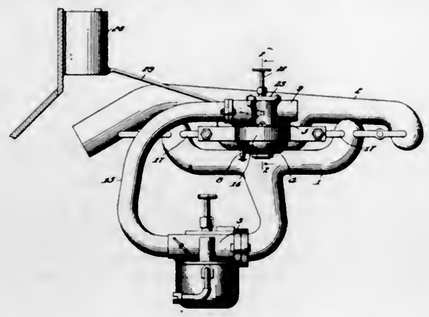
A re-treading machine comprising a pedestal, a base supporting the pedestal, said pedestal having a laterally projecting substantially cylindrical boss, a head rotating about the boss and provided with ratchet teeth, a pivot bolt securing said head to said pedestal and confining the head upon the boss, adjustable tire carrying means on said head, a treadle lever pivoted upon said base, a connecting rod coupled to said treadle ad extending upwardly and slidable along said pedestal, spring pressed means carried by said connecting rod and engaging with said ratchet teeth, and means also yieldably engaging with said ratchet teeth for holding the head against retrograde movement.

1,465,827. GUIDE BAR FOR GUIDE CARDS. FRED E. KUNKEL, Washington, D. C. Filed Nov. 24, 1919. Serial No. 340,319. 2 Claims. (Cl. 129—16.)



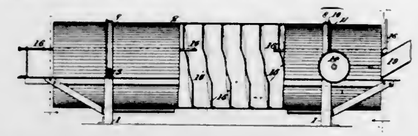
1. In combination with a filing tray, a spacing bar for guide cards, means to movably attach the bar to the walls of the tray or drawer, said bar being slotted on one of its vertical sides to receive and hold a series of guide cards in spaced relationship.

1,465,828. AIR MOISTENER. JAMES G. PATE, Dillsboro, Ind. Filed Aug. 7, 1922. Serial No. 580,888. 9 Claims. (Cl. 123—25.)



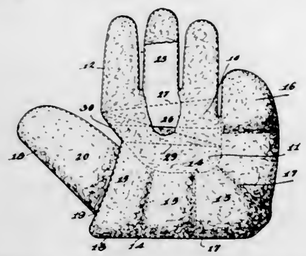
1. In a device for supplying water vapor to a carbureter, the combination of a water chamber, a mixing tube in communication with the water chamber, a mixing ring in axial alinement with the mixing tube, a pipe leading from said ring to the air inlet of a carbureter, and means for admitting a current of hot air between the mixing tube and mixing ring and into the mixing tube.

1,465,829. METHOD OF TREATING ALMONDS. GEORGE W. PIERCE, Davis, Calif., assignor to California Almond Growers Exchange, San Francisco, Calif., a Corporation of California. Filed Feb. 16, 1922. Serial No. 536,911. 1 Claim. (Cl. 146—219.)



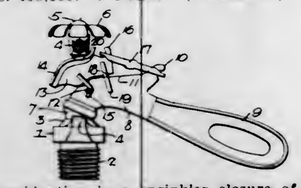
A continuous method of treating almonds which consists in advancing the same in a continuous flow stream through a cylinder or drum maintained in rotation, retarding the flow of the stream of almonds while the same are under agitation, and continuously subjecting the moving body of almonds under agitation to the direct action of jets of live steam to penetrate the shell, sterilize the same and sterilize the meats.

1,465,830. BASEBALL-GLOVE PAD. REUBEN RAYMOND, Napa, Calif. Filed June 1, 1922. Serial No. 565,133. 12 Claims. (Cl. 2—195.)



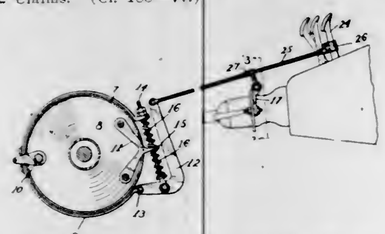
1. A glove pad having a packing extending across the base of the palm and longitudinally of the fourth finger and comprising sections separated by definite transverse lines of fold.

1,465,831. TEMPORARY SPRINKLER CLOSURE. ARTHUR C. ROWLEY, Philadelphia, Pa., assignor to Globe Automatic Sprinkler Company, Philadelphia, Pa., a Corporation of Pennsylvania. Filed July 19, 1921. Serial No. 485,839. 7 Claims. (Cl. 169—1.)



1. The combination in a sprinkler closure of two co-operating toggle elements of which one is fulcrumed on the other; a temperature-responsive link connecting said elements; and a rigid connection between the elements independent of their fulcrum normally maintaining the link under tension.

1,465,832. OUTSIDE BRAKE. FRANK J. ANDEL, Cleveland, Ohio. Filed Apr. 27, 1922. Serial No. 556,973. 2 Claims. (Cl. 188—77.)



1. An outside brake of the character described, comprising brake bands adapted to engage the outside of brake drums, levers for operating said bands, a bracket having perforated lugs adapted to receive the radius rods of a car and be secured thereon, a rocker shaft mounted in said bracket, crank arms on said shaft, rods connecting the crank arms with the brake band levers, a brake pedal, and a rod connecting one of said arms with the brake pedal.

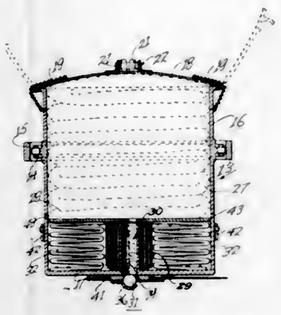
1,465,833. PROCESS OF MAKING CEMENT AND BY-PRODUCTS. EVALD ANDERSON, Los Angeles, Calif., assignor, by mesne assignments, to Western Precipitation Company, a Corporation of California. Filed Mar. 14, 1917. Serial No. 154,766. 12 Claims. (Cl. 23—22.)

5. The process of manufacturing Portland cement and recovering combined potassium which comprises clinkering, by direct firing with powdered coal, a Portland cement mix containing potassiferous material and added sodium chlorid, and recovering combined potassium from the dust and gases leaving the kiln.

1,465,834. PROCESS FOR RECOVERING POTASSIUM COMPOUND IN CONNECTION WITH CEMENT MANUFACTURE. EVALD ANDERSON, Los Angeles, Calif., assignor, by mesne assignments, to Western Precipitation Company, a Corporation of California. Filed June 6, 1917. Serial No. 173,109. 12 Claims. (Cl. 23—22.)

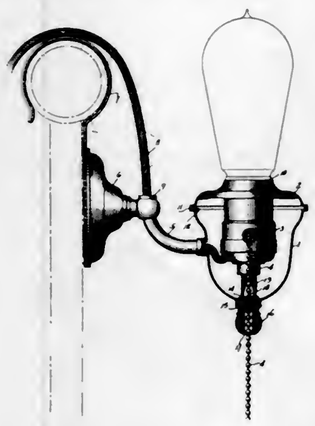
11. In the recovery of potassiferous by-products in cement-making, the step of adding to a potassiferous raw mix, an excess of an agent capable of aiding volatilization of the potassium content of the mix, then heating to volatilize the potassium in the form of a potassium compound, and to volatilize such excess of such agent, recovering the so volatilized potassium compound and such excess of agent, and adding such excess of agent to a further quantity of such cement raw mix.

1,465,835. PARACHUTE FOR AERIAL VESSELS. LE ROY E. ATKINSON, San Jose, Calif., assignor of thirty one-hundredths to Frederick J. Gurvine, San Jose, Calif. Filed Aug. 12, 1922. Serial No. 581,484. 4 Claims. (Cl. 244—21.)



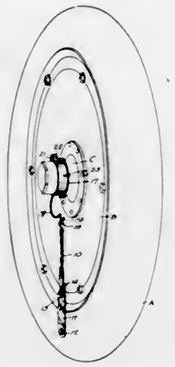
2. In combination with the fuselage and upper wing of an airplane, of parachute holding containers positioned thereon, supporting means for said containers for retaining the same in a normally vertical position, each of said containers comprising a cylindrical body, hinged sectional lids secured to the upper exremity of said body, tension means positioned on said lid section, a ring for holding said sections normally closed, a pull cord under the control of the pilot for opening said ring, and means for discharging a parachute from its respective container upon the opening of said ring.

1,465,836. LAMP FIXTURE AND SOCKET CONSTRUCTION. ARTHUR BRIGHT BARNES, New York, N. Y., assignor to Barnes Electric Manufacturing Company, New York, N. Y., a Corporation of New York. Filed Feb. 16, 1922. Serial No. 537,059. 4 Claims. (Cl. 240—123.)



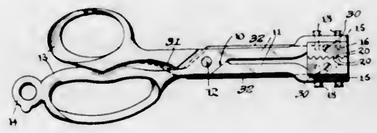
3. A lamp fixture construction involving a pull chain socket within the fixture, which comprises a cap for the fixture to which the socket is fastened, a tubular member connected to the lower end of the socket and extending through the bottom of the fixture, and means disposed against the bottom of the fixture on the outside thereof to engage with the tubular member, said means being adjustable to hold the socket in position within the fixture and the cap tightly on the body portion of the fixture.

1,465,837. FLAT-TIRE ALARM. MICHAEL J. BARRY, Newark, N. J. Filed Apr. 19, 1923. Serial No. 633,306. 2 Claims. (Cl. 116—34.)



1. A flat tire alarm for pneumatic tires comprising a flexible element connected at one end to the tire shoe, a resilient element connected to the axial center of the wheel and interengageable means of connection at the free extremities of said elements for maintaining the flexible element within the outer periphery of the tire when the latter is inflated, and operable to release the free end of the flexible element upon deflation of the tire below a predetermined degree, whereby to permit of the projection of the free end of the flexible element beyond the outer periphery of the tire for striking the ground and mud guards to audibly signal the deflated condition of said tire.

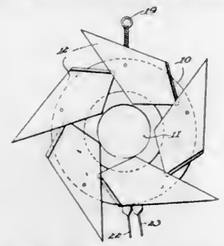
1,465,838. HAIR IRON. JOSEPH PING CANEAVHI, Port Arthur, Tex. Filed Aug. 1, 1921. Serial No. 488,953. 3 Claims. (Cl. 219—24.)



1. A hair iron comprising a pair of crossed handles including shanks pivotally connected, grips carried by said shanks, said shanks having their ends opposite said grips offset and flattened to provide seats, dies comprising metallic blocks having faces abutting said seats, set screws carried by the seats and having threaded engagement with the blocks, said blocks having cavities therein, a helix arranged in said cavity, an insulating casing for said helix, a plug closing said cavity, conductors leading to said helix and tubes carried by the shanks and accommodating the conductors.

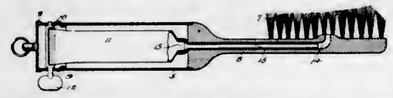
1,465,839. FRAME. THOMAS J. CARROLL, New York, N. Y. Filed Aug. 3, 1922, Serial No. 579,517. Renewed June 15, 1923. 2 Claims. (Cl. 40—61.)

1. A device of the character described comprising a casing adapted to support a picture, a plurality of members movably mounted on said casing and normally arranged to conceal the picture from view, a disk arranged within the casing for partial rotation, means for connecting the disk with the respective members to simul-



taneously shift the latter to a position whereby the picture is exposed, and means for controlling the movements of the disk for the purpose stated.

1,465,840. DISPENSING DEVICE. SEM S. CELANO, New York, N. Y., assignor of one-half to Christy Scafida, New York, N. Y. Filed May 4, 1922. Serial No. 558,544. 3 Claims. (Cl. 221—60.)



1. A dispensing device for a flexible tube of extrusible material, said device including material-guiding means having a bor and including a tubular member slidable in the bore, means carried by said member whereby the same may be mounted at the discharge mouth of the tube so that material extruded from the tube must pass through said bore, and means for squeezing the tube and retracting the tube relative to the bore to slide said member in the bore.

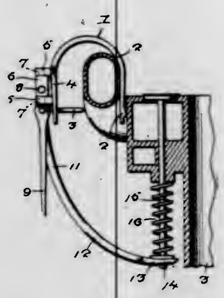
1,465,841. PROCESS OF OBTAINING WATER-SOLUBLE POTASSIUM COMPOUNDS. RICHARD D. CHEESMAN, Chelsea, Mich., and ROBERT C. HAFF, Hagerstown, Md., assignors, by mesne assignments, to Western Precipitation Company, Los Angeles, Calif., a Corporation of California. Filed Nov. 10, 1916, Serial No. 130,664. Renewed Feb. 9, 1918. Serial No. 216,405. 4 Claims. (Cl. 23—22.)

1. The herein described process of producing water soluble potassium compounds; which consists in mixing an alkaline compound with coal; burning such mixture; subjecting the constituents of Portland cement to the direct action of the products of combustion from the mixture whereby water soluble potassium compounds are produced in the dust, and gases which are given off by the said constituents; and treating the dust and gases to recover the water soluble potassium compounds.

1,465,842. PROCESS OF OBTAINING WATER-SOLUBLE POTASSIUM COMPOUNDS. RICHARD D. CHEESMAN, Chelsea, Mich., and ROBERT C. HAFF, Hagerstown, Md., assignors, by mesne assignments, to Western Precipitation Company, Los Angeles, Calif., a Corporation of California. Filed May 24, 1917. Serial No. 170,740. 5 Claims. (Cl. 23—22.)

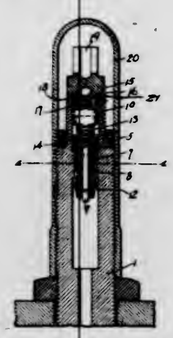
1. The herein described process of obtaining water soluble potassium compounds and Portland cement, which consists in mixing an alkali metal compound with coal, burning such mixture, subjecting the constituents of a Portland cement mix to the direct action of the products of combustion from the mixture whereby the cement is formed and the water soluble potassium compounds are obtained in the dust and gases which are given off by said constituents, and treating the dust and gases to recover the water soluble potassium compounds contained therein.

1,465,843. VALVE-SPRING LIFTER. HENRY A. COOPER, West Union, Ohio. Filed Apr. 10, 1922. Serial No. 551,099. 2 Claims. (Cl. 29—86.3.)



1 In a valve spring compressor, as herein described, a yoke having an inwardly directed tongue on its outer arm and an outwardly directed lip on its inner arm, a lever swivelly connected to the outer arm, and a forked rod adjustably associated with the lever and swivelly secured thereon.

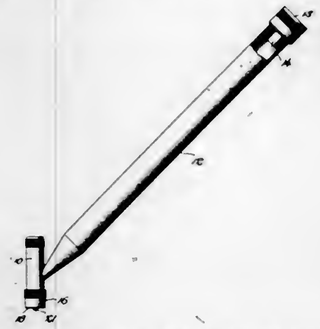
1,465,844. VALVE. WILLIAM F. DURYEA, Hackensack, N. J. Filed Dec. 24, 1921. Serial No. 524,735. 2 Claims. (Cl. 152—12.)



1. The combination with a tubular member having a threaded terminal portion, of a body threaded into said tubular member and having a valve seat on the lower end thereof and having its rear end formed with oppositely located slots, a valve arranged in advance of said seat for engaging the same and having a stem passing upwardly through the body, the rear portion of said stem being flattened and formed with lateral extensions slidably received in said slots, whereby the valve is held against turning, the rear terminal of said stem being threaded, a nut having a threaded socket to receive the threaded terminal portion of said stem, said nut being formed with a shoulder to engage the tubular member whereby to seat the valve, and a cap threaded on said tubular member.

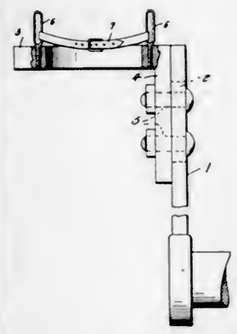
1,465,845. LETTERING PEN. EMRYS E. EVANS, Streator, Ill. Filed Nov. 16, 1922. Serial No. 601,326. 3 Claims. (Cl. 120—43.)

1. A lettering pen including a valve chamber closed at one end and open at the other, a hollow handle extending at an angle from and communicating with said valve chamber and constituting a reservoir for writing fluid to be supplied thereto, a writing tip detachably associated with the open end of said valve chamber, a valve adapted to seat against the inner end of said writing tip to control the flow of writing fluid to the writing surface of said tip,



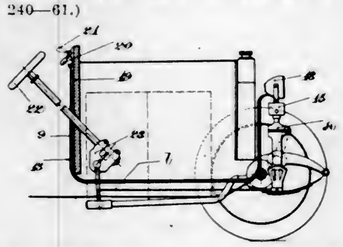
and a spring bearing at one end against the closed end of the valve chamber and at its other end against the valve and acting to hold the latter normally seated.

1,465,846. LEVER ATTACHMENT. FREDRICK A. HENDRICKSON, Revelstoke, British Columbia, Canada. Filed May 8, 1922. Serial No. 559,492. 3 Claims. (Cl. 74—81.)



1. A lever attachment comprising a foot rest adapted to receive the heel of a shoe, spaced eye bolts projecting upwardly from the foot rest and having the eyes elongated vertically and a heel strap engaging the elongated eyes of said bolts.

1,465,847. DIRIGIBLE HEADLIGHT. MAURICE HITZ, Belfort, France, assignor to Joseph Hitz, Lyon, France. Filed June 1, 1922. Serial No. 565,195. 4 Claims. (Cl. 240—61.)



1. The combination of a supporting stem, a casing divided transversely and having a central longitudinal bore adapted to receive said stem, a spindle adapted to be inserted in said bore and to have bearing on the end of said stem, a chamber in said casing where it is transversely

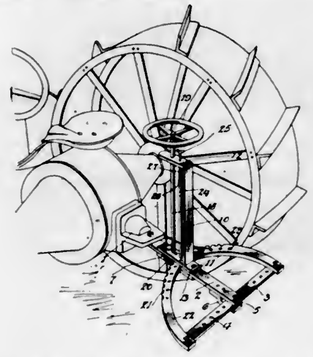
divided, a worm wheel on said spindle in said chamber, a worm engaging with said worm wheel, a shaft for said worm, means exteriorly of the casing for revolving said worm, said means comprising a vibratory toothed segment, means for connecting said segment to the steering column of an automobile, a further casing fixedly attached to said spindle, a lamp bracket carried by said further casing and movable in a vertical plane about a transverse axis, and means operatable from near the steering column for moving said lamp bracket.

1,465,848. FASTENING DEVICE. THOMAS O. HOPKINS, Kansas City, Mo. Filed Mar. 7, 1922, Serial No. 541,811. Renewed Mar. 22, 1923. 1 Claim. (Cl. 24—87.)



A fastening device of the class described, comprising a single, elongated piece of wire disposed in a single plane and bent intermediately upon itself into a fold or turn, with the bend continued oppositely from the central bend in a reverse direction to the first turn and then at opposite ends again returned upon themselves toward the intermediate portion and sharpened or pointed in distant relation one to the other, the device being disposed in one continuous piece.

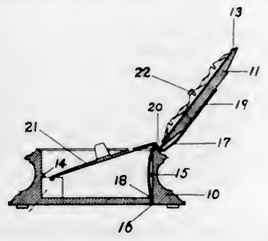
1,465,849. DRAFT COUPLING. JOHN JUNG, Campbellsport, Wis. Filed May 4, 1922. Serial No. 558,381. 2 Claims. (Cl. 280—33.10.)



1. In a draft coupling, the combination of a draft bar having a chambered portion between its ends, a drawhead pivotally secured between its ends to the rear end of the draft bar, an arcuate rack secured to the ends of the drawhead and projecting forwardly therefrom and passing through and guided and supported by the chambered portion of the draft bar, a locking pin supported upon the draft bar and arranged to engage the draft bar and the rack and hold the rack in a set position, a pinion housed within the chambered portion of the draft bar and meshing with the rack, and means carried by the draft bar for actuating said pinion.

1,465,850. DISPLAY CHEST. WILLIAM A. KINSMAN and HAROLD E. NOCK, Newburyport, Mass., assignors to Towle Manufacturing Company, Newburyport, Mass., a Corporation of Massachusetts. Filed Aug. 11, 1921. Serial No. 491,446. 6 Claims. (Cl. 206—44.)

1. A display chest for pieces of silverware and the like having a body, a removable cover, and a plurality of cover supports removably sustained by the body projecting upwardly and outwardly therefrom, said supports



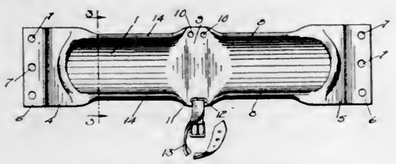
being shaped to form a seat for receiving an edge of the cover and holding it at the rear of the body and at an angle to the surface thereof.

1,465,851. HYPODERMIC NEEDLE. OSCAR W. KRESS, Waterloo, Iowa. Filed Jan. 2, 1923. Serial No. 610,236. 1 Claim. (Cl. 128—221.)



A hypodermic needle provided intermediate its ends with a fixed outstanding guard and comprising a body which is increased in diameter gradually from its entering end to the guard, the needle comprising a weakened portion located to the rear of the guard and of less diameter than the body.

1,465,852. CHOCK BLOCK. GEORGE HOWARD LANE, Pontiac, Mich. Filed Feb. 27, 1922. Serial No. 539,449. 2 Claims. (Cl. 188—32.)

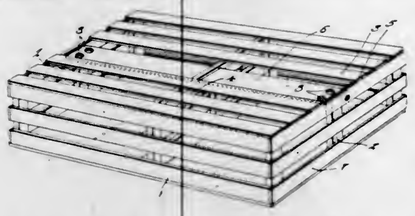


1. A chock block comprising an arcuate metal trough adapted to receive and support a vehicle wheel, said trough being formed with inclined downwardly extending portions at each end thereof terminating in foot members arranged to contact and to be secured upon a supporting surface, said trough having a substantially flat portion intermediate its length, said last named portion of said trough having a slot therethrough adapted to receive a strap.

1,465,853. MANUFACTURE OF CONDENSATION PRODUCTS FROM CARBAZOLE AND P-NITROSOPHENOL AND ITS DERIVATIVES. WILLIAM LEWCOCK and SNOW BLAGBURN TALLANTYRE, London, England, assignors to The Gas Light and Coke Company, London, England, a British Company. Filed Mar. 27, 1923. Serial No. 628,034. 16 Claims. (Cl. 260—55.)

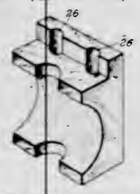
16. The manufacture of a condensation product of carbazole and p-nitrosophenol by gradual intimate admixture of one of these compounds in a subdivided solid state with a solution of the other compound in approximately 93 per cent sulphuric acid at a temperature of about minus 20° C., maintaining the reaction-mixture at substantially this temperature throughout the condensation, and separating the condensation product by addition of the reaction-mixture to dilute aqueous ammonia in excess.

1,465,854. COOP. WARREN FRANK LIVINGSTON, New Boston, Ill. Filed Aug. 28, 1922. Serial No. 584,804. 2 Claims. (Cl. 217—56.)



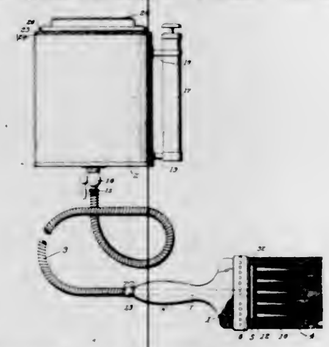
1. A poultry coop having a central longitudinal opening in the top thereof, a member arranged transversely of the coop at the center thereof and provided with a central opening, and uprights at the ends of the coop terminating a slight distance above the lower wall of the opening, and a door comprising a yieldable board designed to be slid through the opening and to rest on the uprights.

1,465,855. WALL STRUCTURE. JOSEPH A. LYNCH, Leonia, N. J., assignor of one-half to Martin J. Cummins, Fort Lee, N. J. Filed Dec. 6, 1922. Serial No. 605,312. 7 Claims. (Cl. 72—21.)



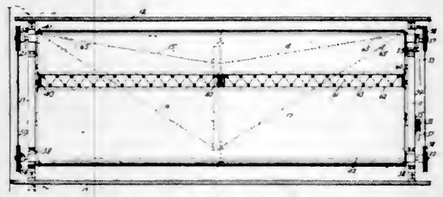
3. A block for walls comprising a main body portion of substantially rectangular form and having a curved face providing a pair of spaced parallel flanges, each of which flanges is provided with a cut-out portion, and a shoulder formed on one of said flanges and occupying a position at right angles thereto.

1,465,856. PAINTBRUSH. GERALD MARSH, Orrick, Mo., assignor of three-fourths to Charles B. Harrison, Paul G. Williams, and Oatman J. Brady. Filed Mar. 16, 1922. Serial No. 544,273. 1 Claim. (Cl. 15—128.)



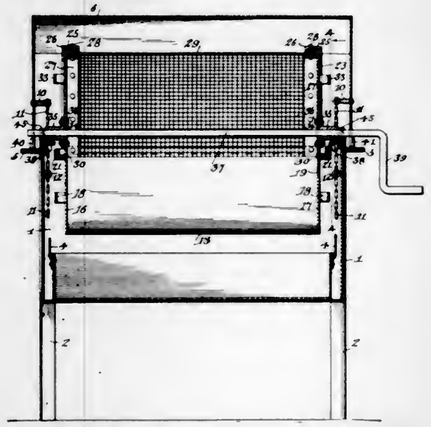
In a device of the character described, a brush provided with a conduit extending through the handle, a distributing chamber arranged within the brush at the inner end of the bristles and provided with spaced screw threaded nipples, tapered flexible distributing tubes secured to the said nipples and extending longitudinally of the bristles, helical springs embedded within the tubes and extending throughout the length thereof to maintain the tubes in extended position, removable screw plugs in the ends of the chamber to permit cleaning of the same, and means for connecting the conduit and distributing chamber with a source of supply.

1,465,857. ARTIST'S FRAME. ERNEST JOSEPH MARTIN, New Rochelle, N. Y. Filed Jan. 26, 1922. Serial No. 532,055. 9 Claims. (Cl. 45—131.)



2. An artist's frame of the class described for holding a flexible paint receiving medium comprising supporting members, three lines of rollers spaced in triangular relation to one another carried by the supporting members, and means for adjusting one line of rollers to accommodate different sized paint receiving mediums, the other lines of rollers which are fixed being so positioned that the working face of the paint receiving medium is supported so that it recedes toward the bottom from a vertical line dropped from the upper roller.

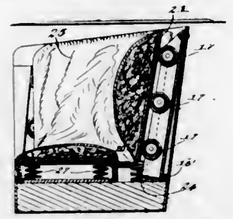
1,465,858. ASH SIFTER. OTTO MEYER, Toledo, Ohio. Filed Dec. 27, 1922. Serial No. 609,296. 5 Claims. (Cl. 83—60.)



1. An ash sifter comprising a sifting element including a pair of end plates, bearings projecting outwardly from said plates, a shaft extending through said bearings and elements and rotatably supported on said housing and providing means for rotating said sifting element, an ash tray, a plurality of angle-shaped members projecting outwardly from the bottom of said plates, and a split laterally extending flange arranged at the top of said tray and formed with an inwardly extending resilient rim frictionally engaging the said members for detachably connecting the tray with the sifting element whereby the tray will be bodily revolved with said element.

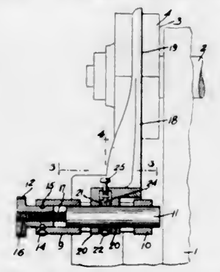
1,465,859. SEAT. ROBERT MITCHEL MONTGOMERY, Pontiac, Mich. Filed Apr. 14, 1922. Serial No. 552,676. 1 Claim. (Cl. 155—53.)

In a structure of the character described, a seat boxing, a seat structure within the seat boxing, spring for supporting said seat structure for upward and downward movement, said seat boxing consisting in sheet metal and having a portion at each end thereof turned upon itself to provide an elongated casing extending at right angles, in each instance, to the associated side of the seat boxing,



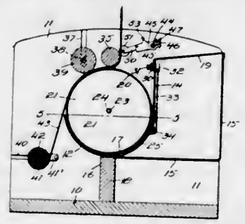
a reinforcing member in each of said casings, and roller means carried by each associated end of the seat structure adapted to engage upon the inner walls of the casing and provide a stop to hold the seat structure against forward tilting movement.

1,465,860. GUARD FOR BUFFING WHEELS. GEORGE MORGAN, Binghamton, N. Y. Filed Sept. 2, 1921. Serial No. 497,856. 5 Claims. (Cl. 51—23.)



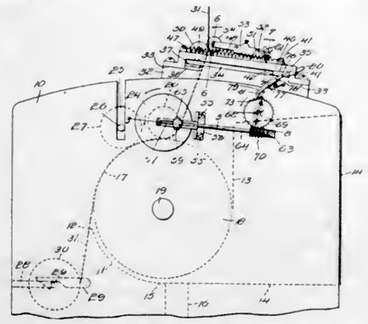
4. A guard for buffing wheels comprising a blade-like member which is curved to be adaptable to the periphery of a buffing wheel, a hub extending to one side of said member, means passing through the hub and by which the blade-like member is supported in front of the working face of the buffing wheel, means by which the supporting means is carried, and means embodied in said carrying means for moving the supporting means and thereby adjusting the blade-like member across said working face.

1,465,861. PASTING AND CUTTING MACHINE. JOSEPH OPPMAN, Connellsville, Pa., assignor of one-half to Peter Mikalarias, Connellsville, Pa. Filed Jan. 30, 1922. Serial No. 532,876. 1 Claim. (Cl. 91—14.)



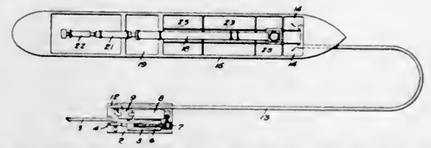
In an apparatus of the class described, a semi-cylindrical trough, a drum rotative in said trough, a tank for paste having orifices providing communication between the tank and trough, a closure for the orifices, a rotative stud having an eccentric portion, a rod having a strap enclosing said eccentric portion, and pivoted to said closure, and means for locking said stud in adjusted position.

1,465,862. PAPER PASTING AND SEVERING MACHINE. JOSEPH OPPMAN, Connellsville, Pa., assignor of one-half to Peter Mikalarias, Connellsville, Pa. Filed Feb. 10, 1922. Serial No. 535,597. 2 Claims. (Cl. 164—48.)



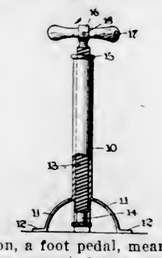
1. In an apparatus of the class described, a roller over which a web of paper is adapted to be drawn and thereby rotating the roller, a friction disk rotative with said roller, a shaft mounted for rotation, a friction pinion engaging said disk and rotative with said shaft and slidable on the same, means for adjusting said pinion longitudinally of the shaft to control the speed, a worm gear, a worm pinion carried by said shaft and engaging said gear, a stationary severing blade, a movable severing blade, yieldable means for moving the movable severing blade into operative position, pawl devices engaging said movable severing blade and holding the same in inoperative position against the resistance of the yieldable means, and means carried by the worm gear whereby the pawl devices are released at each revolution of the worm gear.

1,465,863. PROCESS OF AND APPARATUS FOR MANUFACTURING CEMENT. LOUIS E. W. PIODA, San Francisco, Calif. Filed May 4, 1923. Serial No. 636,724. 7 Claims. (Cl. 222—7.)



7. The method of manufacturing cement from a submerged deposit of clay and shells in which the clay is in excess of the proportion necessary to produce cement, which comprises excavating and elevating the materials and water, removing a part of the clay, and in treating the elevated mass to produce cement.

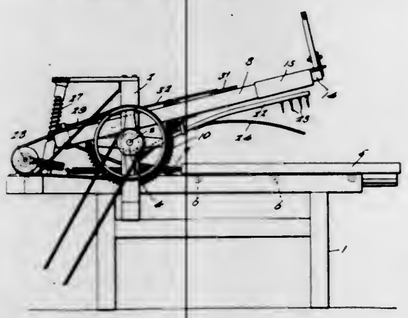
1,465,864. ATTACHMENT FOR MOTOR VEHICLES. EDITH B. PRESTON, Mexico, Mo. Filed Nov. 3, 1922. Serial No. 598,871. 4 Claims. (Cl. 74—39.)



1. In combination, a foot pedal, means whereby a tubular member may be supported in an upstanding position

so that its lower end is in alignment with the foot pedal, a screw rod mounted within the casing or tubular member and adapted to be operated for depressing said foot pedal.

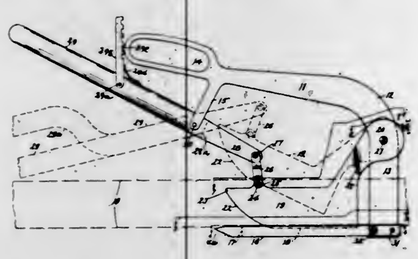
1,465,865. MEAT CUTTER. WILLIAM A. PUE and WILLIAM N. SIFFORD, Carlsbad, N. Mex., assignors of one-third to William W. Artledge, Carlsbad, N. Mex. Filed Mar. 24, 1922, Serial No. 546,449. Renewed Jan. 29, 1923. 6 Claims. (Cl. 17—24.)



1. An apparatus of the class described comprising a frame, a table slidably supported thereon, a rockable frame mounted on the frame, a saw carried thereby, power means for driving the saw and means for lowering the frame and feeding the table forwardly

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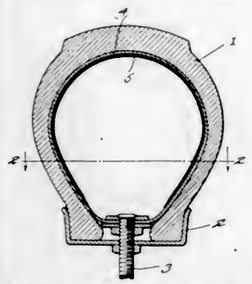
1,465,866. CARCASS-CUTTING DEVICE. DANIEL I. RENDLICH, South St. Paul, Minn. Filed Apr. 23, 1923. Serial No. 633,835. 10 Claims. (Cl. 17—23.)



1. In a device of the class described, a curved body piece forming a long arm with a handle thereon and a short arm or leg, a finger secured to the end of said leg and extending in plane with the arm having the handle, a cutter blade having one end pivotally connected with the leg and having a sharp edge directed toward the finger, a hand lever fulcrumed to a projection of the arm having the handle, and having a short arm connected by a link to the blade, and a long arm extending beyond the first mentioned handle.

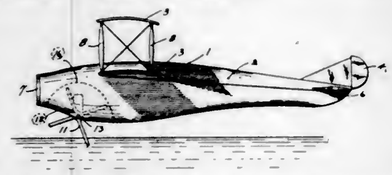
1,465,867. INNER TUBE. JEFFERSON RILEY, West Durham, N. C. Filed Nov. 24, 1922. Serial No. 603,017. 1 Claim. (Cl. 152—13.)

An inner tube for pneumatic tires comprising an outer thickness of soft vulcanized rubber and an inner lining thickness of textile material exposed to the interior of the tube and permanently joined to the outer thickness; the said inner exposed lining thickness of textile material extending from a point at one side of the longitudinal center of the inner portion of the outer thickness to a point at the opposite side of the said longitudinal center of the inner portion, and the ends of the inner textile



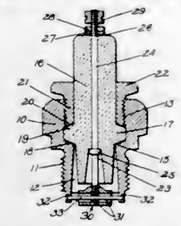
thickness being spaced apart whereby the inner portion of the tube is formed of the thickness of soft vulcanized rubber alone.

1,465,868. AIRPLANE. JOHN SAMUEL SABEY, Paia, Territory of Hawaii. Filed Oct. 10, 1921. Serial No. 506,768. 1 Claim. (Cl 244—2.)



An airplane of the character described, comprising a body, air engaging planes for supporting the same, an air engaging propeller cooperating with the planes in forwarding the body, a recess in the lower portion of the body, and a paddle wheel supported by the body so that its upper blades are received within the recess and its lower blades extend below the bottom line of the body and engage a body of water underneath the airplane, the paddle wheel being disposed substantially midway between the air engaging propeller and the planes.

1,465,869. SPARK PLUG. FRANK SAMLAND and GEORGE SKOW, Omaha, Nebr. Filed Mar. 27, 1922. Serial No. 547,013. 3 Claims. (Cl. 123—169.)



1. In a spark plug, a metallic body, a core of insulating material secured therein, a central electrode extending through the core, a firing block carried by the lower end of the electrode and provided with a plurality of intersecting passages and a metallic member traversing the open end of the metallic body and passing through one of said passages in spaced relation to the walls thereof.

1,465,870. AUGER BIT. JAMES M. SANDERS, Hillsboro, Ohio. Filed Aug. 25, 1922. Serial No. 584,339. 1 Claim. (Cl. 145—117.)

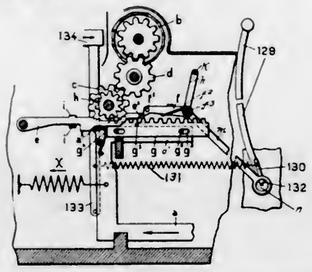
An auger bit including a shank having a spiral rib thereon merging into a frusto-conical head, said head having its outer reduced end formed with a tapered screw

extension, said head having its opposed faces grooved, one of said grooves being in a line with one of the walls of the rib, the outer edges provided by both of the grooves being sharpened, said head having its inner end round in cross section and intersected by the grooves, the outer portion of the rounded part of the head is extended cy-



lindrically beyond the base of the conical part of the head on opposite sides of the head defined by the two grooves, and the lower ends of this extension are rounded and sharpened to provide the cutting edges, the opposed walls thus provided having their outer edges rounded, sharpened and extending outward of the plane of the frusto-conical head proper.

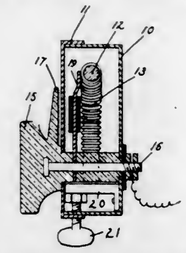
1,465,871. CALCULATING MACHINE. CARL SCHALLER, Brunswick, Germany, assignor to Grimme, Natalis & Co., Kommandit-Gesellschaft auf Aktien, Brunswick, Germany, a Corporation of the Republic of Germany. Filed Aug. 10, 1920. Serial No. 402,733. 5 Claims. (Cl. 235—58.)



1. In a calculating machine, in combination, printing wheels comprising printing members having type fields for numerals and blank fields, operating slides for said printing wheels, and setting racks mounted on said operating slides and movable relative thereto for setting the printing wheels from the blank fields to the numeral type fields and means for actuating said setting racks.

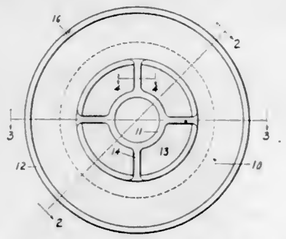
1,465,872. HEADLIGHT-DIMMING DEVICE. ALEXANDER N. SCHOENUNG, Chilton, Wis. Filed July 11, 1922. Serial No. 574,264. 1 Claim. (Cl. 219—48.)

A control device for the headlights of automobiles, comprising a casing, a curved support of insulating material mounted therein and carrying a coil of resistance wire, a stem journaled through the center of the casing and carrying an operating knob provided with a pointer, the casing having a face plate provided with legends indicative of brightness, a switch arm on said stem movable over and engaging a plurality of the convolutions of the resistance coil and means for limiting movement of the



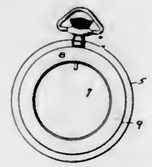
knob and arm in one direction, said means comprising a bracket mounted within and insulated from the casing, and a set screw projecting beyond the casing and threaded through said bracket and having its free end disposed in the path of travel of said arm.

1,465,873. TROLLEY WHEEL. FRED C. SCHOENTHAL, Alden, N. Y. Filed Mar. 30, 1922. Serial No. 548,226. 2 Claims. (Cl. 191—63.)



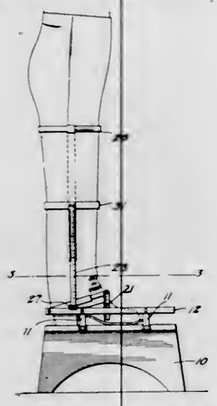
1. A cast trolley wheel consisting of a hub, a rim surrounding said hub and having a base and side flanges which provide a peripheral groove, said base being relatively thick as compared with said flanges, radial spokes connecting said rim and hub, and a circumferentially continuous web formed integral with said spokes and rim and projecting inward from said rim, said web being located in the central plane of the wheel and being relatively thin as compared with the base of the rim, and the spokes projecting in the manner of ribs from the opposite faces of said web and having a combined width substantially the same as the width of the base of said peripheral groove.

1,465,874. WATCHCASE AND DIAL. MAURICE A. PORTEL and JACOB SCHONHOLTZ, New York, N. Y. Filed Nov. 10, 1922. Serial No. 600,087. 1 Claim. (Cl. 58—127.)



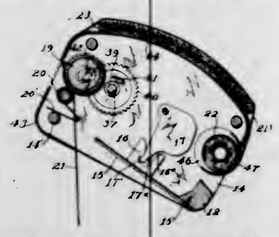
A watch case provided with an annular undercut portion, and a dial having a resilient annular rim engageable with said portion, the case having a second portion concentric with the first named portion for accommodating a crystal frame.

1,465,875. TAILOR'S MEASURE. BRYANT STIMPSON, Washington, D. C. Filed Aug. 22, 1921. Serial No. 494,230. 7 Claims. (Cl. 33—8.)



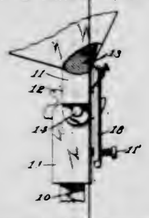
7. A tailors' measure comprising a support, a longitudinally and laterally expansible shoe encircling measure carried by the support for measuring the bottom of a trouser leg and a gauge pivotally secured to the adjustable measure for measuring the angle of the bottom of a trouser leg.

1,465,876. COMBINATION HEADREST AND SERVER. GEORGE W. SPAHR, Mechanicsburg, Pa. Filed June 5, 1922. Serial No. 565,903. 10 Claims. (Cl. 155—176.)



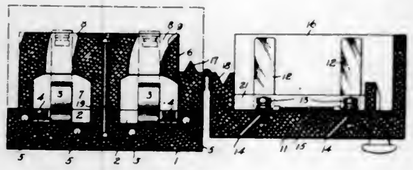
1. In a head rest, the combination of a support adapted for attachment to a barber's chair, a tiltable frame mounted thereon, a roller, a spring motor for operating said roller, a gravity lock between the support and frame preventing relative movement therebetween except at selected positions, and means tripping the spring motor for operation when the gravity lock permits the said relative movement.

1,465,877. ADJUSTABLE HEADREST. GEORGE W. SPAHR, Mechanicsburg, Pa. Filed June 17, 1922. Serial No. 569,087. 2 Claims. (Cl. 155—177.)



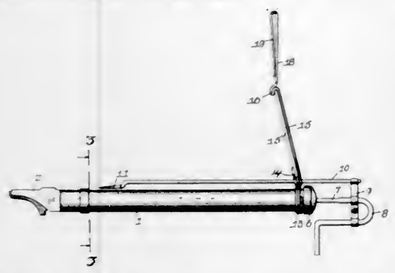
1. The combination with a support, a toothed sector carried by said support, of a head rest, a pivotal connection between said support and head rest, said head rest having a wall parallel to the plane of the axis of said connection, a shaft carried by said wall, a crank at one end of said shaft disposed beyond the side edge of said head rest, and a tooth secured to said shaft cooperating with said toothed sector and operable by said shaft for adjusting the angularity of the headrest.

1,465,878. ELECTRICAL SWITCHING DEVICE. IRA LINWOOD STANGER, Merchantville, N. J. Filed June 15, 1921. Serial No. 477,698. 1 Claim. (Cl. 200—168.)



A switching device comprising a base portion, a body portion adapted to be disposed on said base portion and having formed therein two sets of separately spaced chambers, a switching element in each of said chambers, said body portion having relatively long narrow slots therein leading to each of said chambers, the body portion formed with a longitudinally extending recess or passage between each set of chambers, a cover adapted to co-operate with the body portion, switching elements on the cover adapted to extend through the slots in the body portion to co-operate with the switching elements in the chambers, and a dividing wall disposed on the cover between the switching elements thereon and adapted to extend into the longitudinally extending groove or recess in the body portion to electrically and mechanically separate the two halves of the body portion.

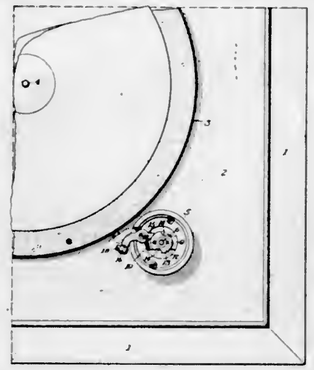
1,465,879. MUSICAL-NOTE-INDICATING ATTACHMENT. GEORGE W. STEWART, New York, N. Y. Filed Sept. 16, 1920, Serial No. 410,649. Renewed June 21, 1923. 7 Claims. Cl. 84—456.)



7. In a musical instrument, the combination of a tubular body having a scale provided with notations, said scale being extended longitudinally of the body, a piston within the tubular body and having an actuating rod, a second rod connected to said actuating rod and extending longitudinally of said body, and a mirror arranged above the body and the notations thereon and adapted to reflect the images of the notations on the scale for view by the operator.

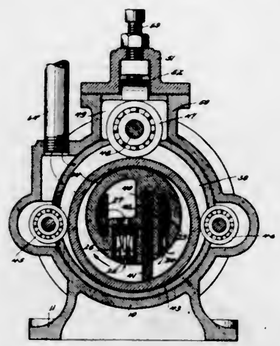
1,465,880. PHONOGRAPH. HENRY N. STROH, Pittsburgh, Pa., assignor of one-half to James D. Callery and one-half to Samuel A. Pickering, both of Pittsburgh, Pa. Filed Mar. 5, 1920. Serial No. 363,473. 6 Claims. (Cl. 192—2.)

1. A phonograph, comprising a record carrier, an electric motor for driving the record carrier, a snap switch for the motor having spring means for opening and closing the switch, and a spring-applied snap brake



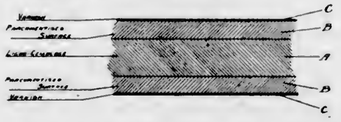
operated by the switch mechanism and adapted to be applied instantaneously upon the opening of the switch to arrest the record carrier, substantially as described.

1,465,881. ROTARY PUMP. BURCHARD THOENS, New York, N. Y. Filed Mar. 30, 1922. Serial No. 548,087. 10 Claims. (Cl. 230—30.)



1. A rotary pump including in combination, a rotatable piston having a cylindrical core, annular transverse flanges rigid with the core and a vane movable radially relatively to the core and making air tight joints with the core and end flanges, and a rotatable core making air tight joints with the piston vane, the piston core, and piston end flanges.

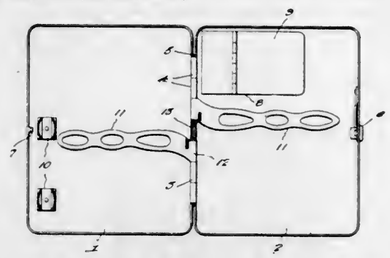
1,465,882. PULP ARTICLE. ALFRED TINGLE, Ottawa, Ontario, Canada. Filed Sept. 24, 1921. Serial No. 503,043. 5 Claims. (Cl. 41—68.)



1. As a new article of manufacture, superficially parchmentized ligno-cellulose having an untreated body portion.

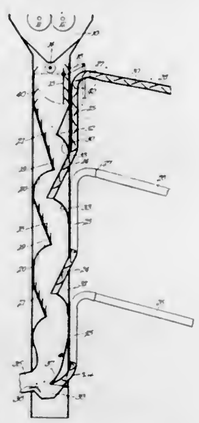
5. As a new article of manufacture, a pressed pulp article formed from ligno-cellulose having the surface hydrated and relatively impermeable by varnish and the like, and a coating of varnish on the surface.

1,465,883. CASE. HORACE S. G. TINKLER, Peterborough, England. Filed Feb. 28, 1921. Serial No. 448,693. 1 Claim. (Cl. 206—41.)



A case of the character described comprising two portions hinged together, an arm in each portion hingedly connected to the hinge pin, a coil spring encircling the hinge pin midway between its ends and having each of its ends engaging an arm, a hinged covered match box secured in one portion and arranged above and away from the arm in that portion and a pair of spaced resilient clips arranged in alignment in the other portion and in advance of the arm in that portion for the purpose specified.

1,465,884. SEPARATOR. LOIS J. VANDERVOORT, Guthrie, Okla. Filed Nov. 22, 1921. Serial No. 517,095. 5 Claims. (Cl. 83—54.)

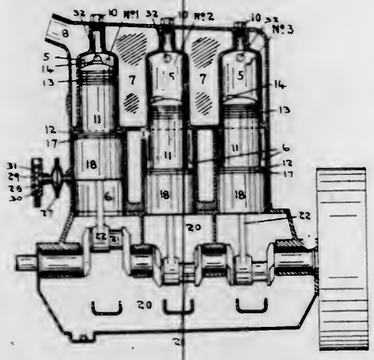


1. A device of the class described, comprising a chute, a hopper above the upper end of the chute and discharging thereinto, an air inlet connection at the lower end of the chute, oppositely located walls of the chute each including a series of air deflecting devices, those of each wall presenting alternate plain and curved surfaces, the curved surfaces of one wall being in staggered relation with reference to those of the other wall, and the plain surfaces of the opposite walls being in staggered relation.

1,465,885. TWO-STROKE INTERNAL-COMBUSTION ENGINE. WILLIAM JOHN FREDRICK WEGÉ, St. Peters, South Australia, Australia, assignor to The "Wege" Motor Limited, Adelaide, South Australia, Australia. Filed Nov. 18, 1920. Serial No. 425,013. 1 Claim. (Cl. 123—59.)

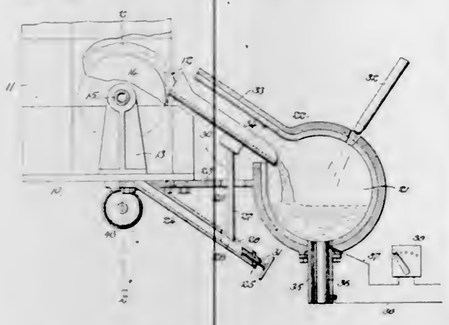
A two-stroke internal combustion engine having splash lubrication and having cylinders each comprising two portions of different diameters and arranged in tandem, the part of smaller diameter in each instance being most

distant from the crank shaft and forming the power chamber, and the part of larger diameter forming the induction and compression chamber, the walls of the cylinders having communicating ports whereby the compression chamber of the one cylinder is connected with the power chamber of another cylinder, and an extended skirt upon each compression piston adapted to extend into the crank case as the said piston moves to the



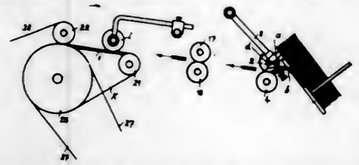
bottom of its stroke, so that the outer wall of the projecting portion of the said skirt becomes covered with oil splashed in the crank case, the period of vacuum being greater than the period of compression and continuing until the extended skirt has projected into the crank case, so that the oil is thereby drawn up from the said extended skirt into the compression cylinder and transferred with the mixture to the respective power cylinder.

1,465,886. GATHERING AND DELIVERING APPARATUS FOR MOLTEN GLASS. ALLEN CHARLES WILCOX, Bridgeport, Ohio. Filed July 8, 1921, Serial No. 483,336. Renewed June 27, 1923. 7 Claims. (Cl. 49—55.)



7. In apparatus for gathering and delivering molten glass, a main tank, an auxiliary tank, a rotatable gathering disk having a portion extending into said main tank below the normal level of the molten glass, means for rotating the disk, an inclined trough having its lower end positioned to deliver to the auxiliary tank and its upper end positioned to effect removal of the glass gathered on the disk into the trough for conveyance to the auxiliary tank, means for heating the interior of the auxiliary tank, an extension on the auxiliary tank above and parallel to the trough whereby the hot gas from the auxiliary tank will pass over and heat the glass being conveyed by the trough, and means for delivering glass from the auxiliary tank to a glass working apparatus.

1,465,887. DRAWING-IN DEVICE FOR ADHESIVE-APPLYING MACHINES FOR USE IN THE MANUFACTURE OF ENVELOPES. ALFRED WINKLER and MAX DÜNNEBIER, Neuwied, Germany. Filed Oct. 18, 1921. Serial No. 508,460. 6 Claims. (Cl. 271—29.)



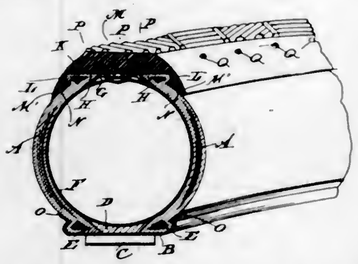
1. A drawing-in device of the kind intended for adhesive-applying machines cooperating with roller folding machines for use in the manufacture of envelopes, comprising, in combination, a sucking member; a periodically rotated lower roller; a loosely rotatable drawing-in roll adapted to revolve like a crank; a member, to the outer end of which said roll is attached; a hub portion having said member hinged to it; and means to limit the extent of motion of the said member in outward direction, substantially as described.

1,465,888. SAFETY ENVELOPE. ADAM WOZNY, Detroit, Mich. Filed June 23, 1922. Serial No. 570,317. 3 Claims. (Cl. 229—78.)



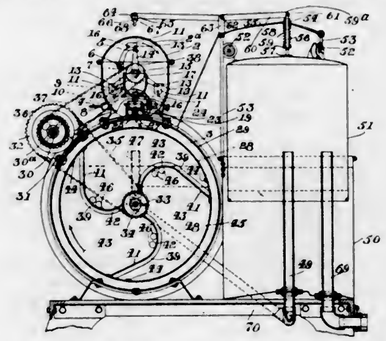
1. A locking device for the purpose indicated having a stem or shank carrying a base, and a head removably fitted upon the shank or stem and carrying a locking element for interlocking engagement with the shank or stem, said stem or shank having a terminal enlargement, the locking member having tongues for arrangement at opposite sides of said enlargement and the button having an inwardly contracted guide member for effecting an inward deflection of the extremities of said tongues.

1,465,889. DIVIDED CASING WITH DETACHABLE TREAD. ROBERT WRIGHT, Cleveland, Ohio. Filed Sept. 5, 1921. Serial No. 498,594. 1 Claim. (Cl. 152—33.)



The combination with a vertically and diametrically divided casing, said casing having clincher edges at its outer ends, of an inner inflated tube therein, an annular inner rim, and an annular metal outer rim therefor, clincher edges for said outer rim and outer casing extremities, retaining means and a spreader for the inner edges of said casing, an annular spreader for the outer edges of said casing, means for rigidly securing said spreader extremities to said outer rim, and a tread member upon said outer rim, said tread member provided with feathered lateral edges enclosing the outer sides of said casing, and laterally extending flanges for said outer rim, said flanges extending along the casing from the clincher edges, said feathered edges forming a smooth outer surface enclosing said clincher edges and said laterally extended flanges.

1,465,890. APPARATUS FOR CARBURETING AIR. ALFRED SYDNEY BEAVON, Glasgow, Scotland. Filed Aug. 14, 1922. Serial No. 581,904. 6 Claims. (Cl. 361—24.)

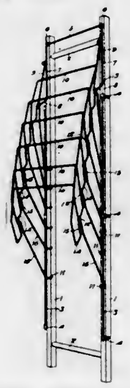


1. In apparatus for carbureting air with a volatile fuel, comprising a container for the fuel, a pump, a gas holder open to the pump, a valve to admit air to the pump, and means to admit volatile fuel in predetermined quantities and at predetermined intervals to the valve to be mixed with the incoming air, to thereby form a mixture of air and fuel for admission through the valve to the pump.

2. An apparatus for carbureting air with a volatile fuel, comprising a container for the volatile fuel, a pump, a gas holder open to the pump, means for supplying the volatile fuel in regulated quantities, and a valve having slots to admit air to the interior of the valve casing and thereafter to the pump, said valve casing having a mixing chamber to receive the regulated quantities of volatile fuel for the admixture of the air therewith.

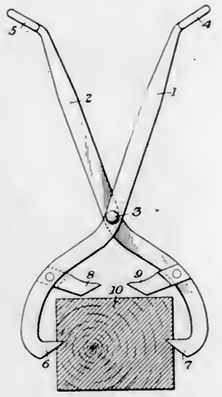
6. An apparatus for carbureting air with a volatile fuel, comprising a container for the fuel, a pump, a gas holder open to the pump, a valve adapted to admit air and fuel to the pump, and means for delivering fuel in regulated quantities to the valve, said means including a spider rotatably mounted in the container, buckets pivotally mounted on the spider and formed with projections, a cam pivotally mounted in the container and adapted to contact with the bucket projections, and a handle adapted to adjust said cam for regulating a point of contact with the projections.

1,465,891. DISPLAY RACK. GEORGE F. BREUNINGER, Newark, N. J. Filed Feb. 8, 1922. Serial No. 534,954. 7 Claims. (Cl. 211—14.)



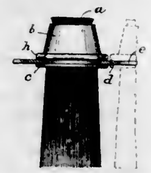
1. In a device of the character stated, a supporting frame, a plurality of wire paper holders hingedly connected with each other for movement on said frame and guided in their movement by said frame, each of said holders being substantially U-shaped with the intermediate portion of the U uppermost, said holders having leg portions, said legs being provided adjacent their center with substantially S-shaped bends, and links connected to the bent portions of the adjacent holders.

1,465,892. TONGS. NEWTON A. BURGESS, Pittsburgh, Pa., assignor to Verona Tool Works, Verona, Pa., a Corporation of Pennsylvania. Filed June 28, 1922. Serial No. 571,544. 1 Claim. Cl. 294—16.)



Tongs comprising two crossed members pivoted together, and a pair of similar tie engaging projections on each of said crossed members, the projections of each pair pointing in the same general direction and both pairs of projections being materially below said pivotal connection whereby one of the projections of each pair is adapted to engage a tie with the crossed members in substantially vertical position and the other of the projections of each pair is adapted to engage the same tie without reversing the handles and with the crossed members in substantially hoizontal position, one of each of said pair of projections being so secured to its respective member as to prevent reversal of the members and bring the ends of said projections into proper cooperating relation, substantially as described.

1,465,893. BRUSH AND METHOD OF MAKING THE SAME. FREDERICK S. CHANONHOUSE, Malden, Mass., assignor to John L. Whiting-J. J. Adams Co., Boston, Mass., a Corporation of Massachusetts. Filed June 1, 1922. Serial No. 565,112. 10 Claims. (Cl. 15—191.)

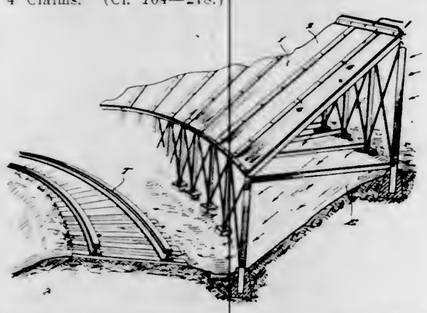


1. In a brush, the combination with an eyelet-supporting back, of an annealed metal eyelet open at both ends and having a flange at one end in engagement with that face of the back opposite which the bristles project, said eyelet being tapered from the flanged end gradually and at approximately 6° angle toward its smaller open end, said eyelet at its smaller end being adapted to receive the butt ends of a knot of bristles, the metal of the tapered sides of said eyelet adjacent the wider end thereof, being deformed to provide a flange in the eyelet at a distance from

its end flange to constitute, in co-operation with said flange, a means for fastening the eyelet to the eyelet-supporting back.

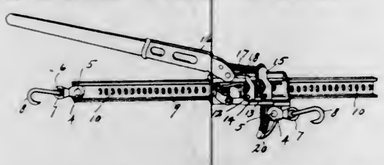
5. In the art of brush making, that improvement which consists in inserting a tuft of bristles within an open-ended eyelet flanged at one end, forming the butt end of said tuft of bristles into a coherent mass, then inserting said eyelet through an aperture of a plate in such a manner that the flange contacts with one surface thereof, constricting said eyelet at its narrower end portion to compress the tuft of bristles within said eyelet and then forming a flange-fold therein upon and in engagement with the opposite side of said plate.

1,465,894. WIND DEFLECTOR. BENJAMIN C. CROWLEY, Dillon, Mont. Filed Dec. 19, 1922. Serial No. 607,892. 4 Claims. (Cl. 104—278.)



1. Means for preventing the accumulation of snow or sand upon a thoroughfare comprising spaced series of uprights arranged one relatively adjacent the thoroughfare and the other more remote therefrom, the last-mentioned uprights extending to a greater elevation than the first-mentioned uprights, bracing bars extending between the upper portions of the first-mentioned uprights and the lower portions of the last-mentioned uprights and relatively bracing the uprights of the two series, and a wind deflecting surface supported upon the upper ends of the uprights in inclined position with relation to the surface of the thoroughfare.

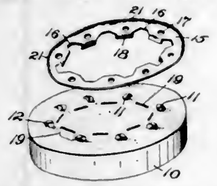
1,465,895. SWIVEL HOOK FOR JACKS. ROY R. DANIELS, Indianapolis, Ind. Filed Mar. 14, 1922. Serial No. 543,685. 2 Claims. (Cl. 254—68.)



1. In a device for the purposes specified, a jack-standard, each side of which has a flange along each edge, a runner slidable on the standard and having a foot extension, power multiplying means for manually sliding the runner on the standard, a clevis for attachment to the standard, or foot between the edge-flanges on each side, a hook, and means comprising a link and a swivel-joint for connecting the clevis and hook.

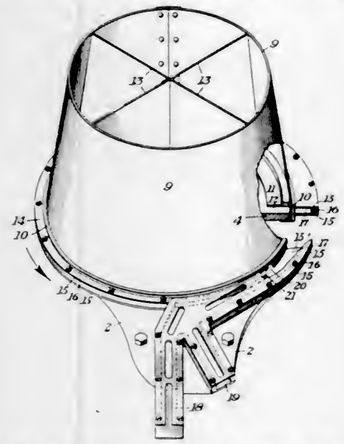
1,465,896. HEEL. CHRISTOPHER F. DONIGAN, Newark, N. J. Filed Dec. 30, 1921. Serial No. 525,882. 4 Claims. (Cl. 36—36.)

1. A heel made of resilient material, catches on the top face of the heel, and securing means disposed so as to receive the catches and hold the heel in place, the tops of the catches being formed so as to cause the heel



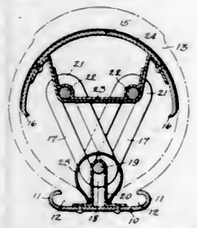
to be distorted and the catches snapped into place in the securing means when pressure is applied to the bottom of the heel.

1,465,897. CAP-FEEDING MECHANISM. ALONZO L. EDWARDS and JOHN A. MCGINNIS, Wheeling, W. Va., assignors to Wheeling Stamping Company, Wheeling, W. Va., a Corporation of West Virginia. Filed July 5, 1922. Serial No. 573,017. 8 Claims. (Cl. 113—113.)



1. In a cap feeding machine, a rotary feed hopper having an inclined bottom and having its interior divided into a plurality of separate cap receiving compartments to limit the movement of the caps during the rotation of the hopper, each of said compartments having a delivery opening, and a chute for receiving caps passing through said openings as the latter are successively brought into registry with the mouth of said chute during the rotation of said hopper, substantially as described.

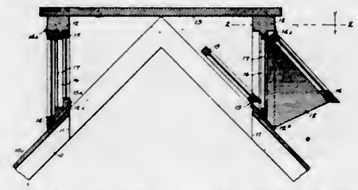
1,465,898. NONPNEUMATIC TIRE. CARL ADOLF FISK, New York, N. Y. Filed Mar. 9, 1923. Serial No. 624,012. 5 Claims. (Cl. 152—8.)



1. A non-pneumatic resilient filler for a tire shoe or casing comprising a resilient band conforming to and arranged within the tread portion of the tire shoe or casing, and a connection between said band and the tire

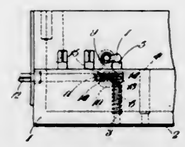
shoe or casing supporting rim for normally maintaining the band in spaced concentric relation to the rim, said connection consisting of circumferentially spaced links having slidable and pivotal connection at their opposite ends respectively with the band and rim, said links being alternately disposed at an angle.

1,465,899. ROOF STRUCTURE. ERNEST FLAGG, New York, N. Y. Filed Oct. 14, 1921. Serial No. 507,607. 2 Claims. (Cl. 108—1.)



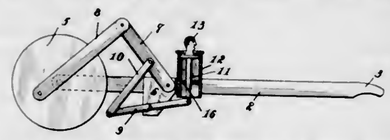
1. A peaked roof open directly at the peak at both sides of the ridge thereof and windows at the roof opening at opposite sides, said windows including inner and outer sashes, the inner sashes being hinged at the bottom and the outer sashes at the top, and cheek pieces adapted to fit beneath the raised outer sashes at the sides, said sashes and frames and said cheek pieces forming coacting means to hold the cheek pieces in position; together with pins at the edges of said cheek pieces fitting in sockets formed in the sashes and frames to hold the cheek pieces between the frames and sashes.

1,465,900. INKING MECHANISM FOR PRINTING PRESSES. FRANK FOSTER, Preston, England. Filed Feb. 6, 1923. Serial No. 617,386. 2 Claims. (Cl. 101—365.)



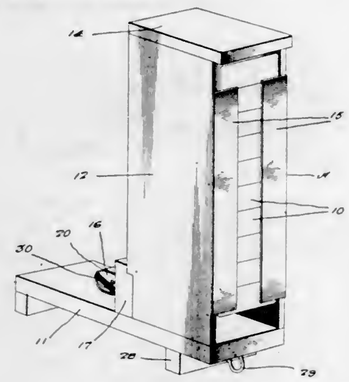
1. Inking mechanism for printing presses comprising in combination, an ink trough, a roller therein, a blade mounted longitudinally of the roller, a bridge piece, a plurality of slidable plungers mounted on the bridge piece and engaging the blade, mounted on the bridge piece, a plurality of transverse shafts mounted in the bridge piece, actuating members on the transverse shafts engaging the plungers, a lever on each transverse shaft, operating rods for moving the levers extending longitudinally of the bridge piece, and springs tending to move the plungers out of engagement with said blade.

1,465,901. FIGURE WHEELED TOY. CHARLES D. FRENCH, East Angus, Quebec, Canada. Filed Oct. 22, 1921. Serial No. 509,698. 2 Claims. (Cl. 46—45.)



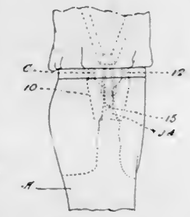
1. The herein described toy comprising a lever, a wheel journaled thereon, a sleeve carried by the lever, a piston within said sleeve, a head mounted upon the piston, a whistle operated by the piston, and means for throwing the whistle into or out of operation.

1,465,902. DISPENSER. LE ROY EDGAR GOULD, Sherman, S. Dak. Filed July 19, 1922. Serial No. 576,131. 2 Claims. (Cl. 211—8.)



1. A vending machine of the character described comprising a cabinet including a base, said cabinet having an outlet opening, a slide operating on said base and through the cabinet, resilient elements associated with said slide, a resilient hook-like element supported by said slide and arranged to permit of slight vertical movement of the bill thereof, a lever pivoted on the base and normally engaging the bill of said hook, an operating rod connected with the lever and actuating the latter upon movement of the rod in one direction to retract said slide against the tension of said yieldable elements, said elements operating to actuate the slide through the cabinet when released from said lever, resilient means for normally returning the lever and said rod to normal position, and the bill of said hook yielding to permit the machine to pass said hook on its return movement.

1,465,903. TROUSERS SUPPORTER. MORGAN A. GREENE, Salina, Kans. Filed Apr. 17, 1922. Serial No. 553,322. 3 Claims. (Cl. 241—25.)

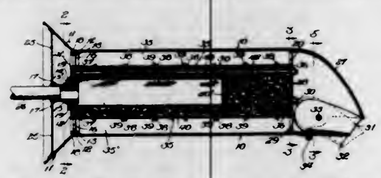


1. A trousers supporter comprising the combination with buttons located on the waist band of trousers and suspenders, of an elongated body member located at each side of the waist band of the trousers, elongated tabs formed on the upper corners of the body and provided with buttonholes engageable about said buttons, and an elongated flexible strip carried by the lower end of the body and designed to be engaged with the suspenders.

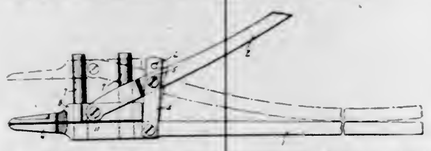
1,465,904. MUFFLER. FREDERICK J. HERDLE, Chicago, Ill. Filed Jan. 16, 1920. Serial No. 351,854. 4 Claims. (Cl. 137—160.)

3. In a device of the type described, the combination of an outer casing, a perforated intermediate cylinder closed at both ends disposed within and spaced from said outer cylinder to provide an annular air passage, an inner

foraminous cylinder within and spaced from said intermediate cylinder, an inlet for exhaust gases opening into said foraminous cylinder, means disposed within the space between said inner cylinder and said intermediate cylinder for retarding the rate of flow of the exhaust gases into said air passage, an outlet chamber secured to said outer casing, and an extensible outlet in said outlet chamber operated by the pressure of the gases passing therethrough.

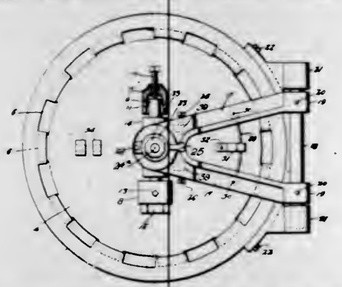


1,465,905. TOOL FOR COMPRESSING VALVE SPRINGS. STEPHEN C. HOFF, Delavan, Ill. Filed Jan. 24, 1922. Serial No. 531,486. 4 Claims. (Cl. 29—86.3.)



1. In a tool of the class described, a fixed fork and a movable fork, and means whereby said forks are constantly in parallelism, said means including means on the fixed fork for guiding the movement of the movable fork, and a lever having a swinging fulcrum and pivoted to the movable fork.

1,465,906. RETORT DOOR. LE ROY PARK HOLLOWAY, Akron, Ohio, assignor to The Biggs Boiler Works Company, Akron, Ohio, a Corporation of Ohio. Filed Oct. 11, 1921. Serial No. 506,941. 8 Claims. (Cl. 220—37.)

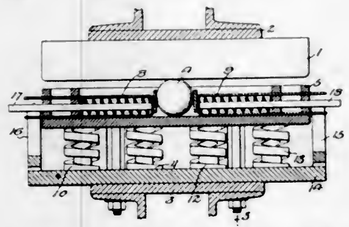


1. In combination with a retort-body, a door pivotally connected thereto adapted to rotate in a horizontal plane about a vertical axis and revolve about a horizontal axis, means for limiting its movement around the horizontal axis, means for limiting its rotation in a horizontal plane, and means for locking the door in its closed position after rotation.

1,465,907. PROCESS OF PRODUCING CEMENT AND BY-PRODUCTS. FREDERICK W. HUBER, Riverside, Calif., assignor, by mesne assignments, to Western Precipitation Company, a Corporation of California. Filed Dec. 6, 1917. Serial No. 205,870. 7 Claims. (Cl. 23—22.)

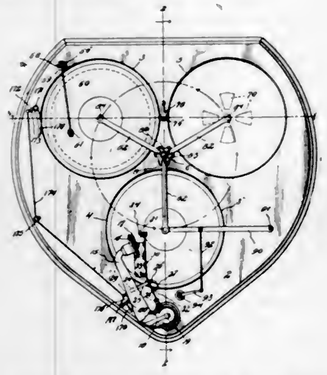
1. A process of making cement and by-products which comprises heating to a clinker-forming temperature, a cement mix containing potassiferous material and containing sodium chlorid in amount much more than equivalent to the amount of such potassiferous ingredients, thereafter washing the flue gases with an aqueous liquid capable of removing at least the major part of the potassium compounds therein.

1,465,908. AUTOMATIC BALL-BEARING SIDE BEARING FOR RAILROAD TRUCKS. GEORGE M. HYNDES, Dallas, Tex. Filed June 27, 1922. Serial No. 571,205. 1 Claim. (Cl. 64—63.)



A side bearing unit for railroad trucks which includes a truck frame, a receptacle on said frame, a bearing casing disposed within said receptacle, a plurality of springs disposed beneath the casing and within the receptacle to cushion the downward movement of the casing under the weight of the car, and a single ball bearing within said casing, the interior of the casing being considerably larger than the ball bearing to permit a substantial freedom of movement of the ball bearing in all directions therewithin under the weight of the car.

1,465,909. AUTOMATIC PHONOGRAPH. CARLOS DIAZ INFANTE, Leon, Mexico. Filed Dec. 30, 1921. Serial No. 526,054. 11 Claims. (Cl. 274—10.)



1. In a phonograph, the combination of movable reproducing means, record-rotating means, means to store a plurality of records for delivery one by one, means to receive records one by one after the playing of the same, means to transfer records one by one from the storing means to the rotating means and to transfer records one by one from the rotating means to the receiving means, means to actuate the said several means, a differential movable stop for the reproducing means, and movable means operable by records of different diameters and connected with said stop.

1,465,910. TOOL FOR REPAIRING WIRE FENCES. LEON IVIE, Salina, Utah. Filed Apr. 7, 1922. Serial No. 550,331. 1 Claim. (Cl. 254—81.)

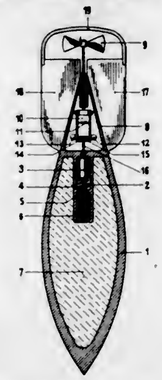
A device of the class described, comprising a lever, a hook connected with one end thereof, a short arm including a hook having swivel connection with the opposite

end of the lever, the arm being positioned to rest against the side of the lever when the wire is tensioned, a longer arm including a hook having detachable and swivel connection with the lever at a point spaced from the end thereof last named, said longer arm including an offset



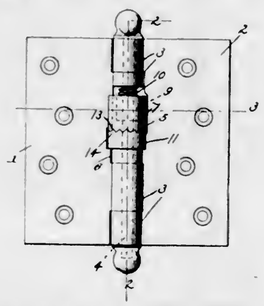
portion intermediate of the ends extending alongside the lever and parallel therewith, and then curved around and beyond the end of the lever, into position for holding one end of the wire in approximate alignment with the end held by the other hook when the wire is under tension.

1,465,911. PROJECTILE. HEINRICH JACOB, Friedenau, Germany, assignor to the Firm of Optische Anstalt C. P. Goerz Aktiengesellschaft, Friedenau, near Berlin, Germany. Filed Aug. 30, 1921. Serial No. 496,954. 4 Claims. (Cl. 102—39.) (Granted under the provisions of the act of Mar. 3, 1921, 41 Stat. L., 1313.)



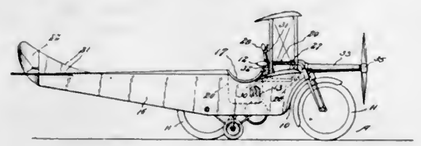
3. In a projectile designed for being thrown off from elevated positions particularly from an aircraft, a fuse normally set to safety and adapted to be set to action by a centrifugally operated device mounted within a hollow steering extension of the projectile, and a propeller adapted to be actuated by the air during the downfall of the projectile in operative connection with said centrifugally operated device.

1,465,912. HINGE. MARTIN JENSEN, Cheraw, S. C. Filed July 19, 1922. Serial No. 576,066. 1 Claim. (Cl. 16—141.)



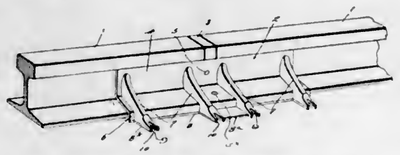
The combination with a hinge including plates having barrels on their inner ends, and a pintle passing through the barrels for connecting the plates, two of the confronting barrels, one on each of the respective plates being spaced from each other, and the inner edges of the said plates being notched, a pair of sleeves having each a longitudinal groove designed to be passed through the notches of the plates and the grooves thereof moved to receive the edges of the plates therein, said sleeves being sustained on the hinge by the pintle thereof, said sleeves having their confronting edges provided with interengaging teeth, and spring means surrpunding the pintle and exerting a tension between one barrel of the hinge and one sleeve for forcing the teeth of the sleeves into engagement with each other.

1,465,913. MOTOR CYCLE AND AEROPLANE. BENJAMIN JOHNSON, Lexington, Ky. Filed Apr. 18, 1922. Serial No. 554,819. 1 Claim. (Cl. 244—14.)



In combination, a motor cycle, including a frame, a motor, an aeroplane body supported by the frame and including a driver's pit, a rudder, means for controlling the movements of the rudder and operable with the turning of the front wheel of the motor cycle, a propeller including a shaft, a casing enclosing said shaft, a gear on one end of the shaft, a driven shaft arranged obliquely to the propeller shaft and rotated from said motor, a gear carried by the driven shaft and meshing with the propeller shaft, said driven shaft being journalled in said casing, planes arranged in advance of the driver's pit and susceptible of tilting movements, and means including an operating lever for adjusting said planes.

1,465,914. RAIL JOINT. MIKE KISS, Moline, Ill. Filed Dec. 1, 1922. Serial No. 604,366. 2 Claims. (Cl. 238—205.)

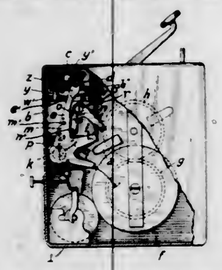


1. The combination of the adjoining portions of two railway rails, and a joint comprising a body receiving and joining said portions, a section arranged in the body and interposed between the opposed ends of the rails; said section corresponding in cross-section to the rails and being arranged flush therewith, and a transverse connector effecting connection of said section to the body.

1,465,915. ROLLING STAMP WITH COUNTING MECHANISM FOR VARIOUS PRINTING PURPOSES. HELENE KOMUSIN, GEB. LIEDTKE, Berlin, Germany. Filed Mar. 22, 1922. Serial No. 545,891. 4 Claims. (Cl. 101—329.)

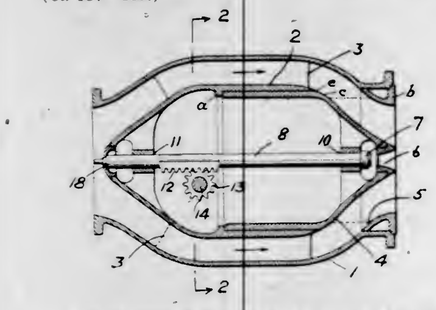
1. A rolling stamp with a locking device for automatically locking in the well known manner the counting mechanism at a predetermined number or value limit comprising in combination with the counting mechanism, a printing cylinder, a lever pivotally mounted between said counting mechanism and said printing cylinder, a fork at the upper end of said lever, an arm of the counting mechanism engaging with said fork, two laterally project-

ing arms of the lower part of said lever, a projection operated by the rolling stamp designed to act upon the upper one of said arms for transmitting the movement of the



printing cylinder to the counting mechanism, and a mechanism for locking said transmission means at the same time as the counting mechanism.

1,465,916. VALVE. CHESTER W. LARNER, Philadelphia, Pa., assignor to The William Cramp & Sons Ship & Engine Building Company, a Corporation of Pennsylvania. Filed May 2, 1919. Serial No. 294,155. 23 Claims. (Cl. 137—139.)

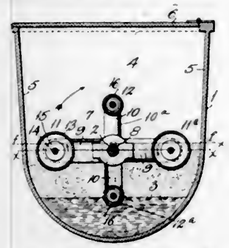


1. A valve comprising a casing, an internal fixed hollow cylindrical element spaced from the conduit to form a fluid way, and having a closed end provided with a relatively small opening, a movable plunger element co-operating with the fixed cylindrical element and having a conical end of which a part is exposed to pressure in the fluid way in closed position and which is provided with a relatively large opening, a seat and a stop for the plunger element, a rod arranged in and movable in respect to both elements and having lost-motion-mechanical-connection with the plunger element and provided with a choke valve cooperating with the opening in the plunger element, and controlling means for shifting the rod to cause said choke valve to adjust said plunger opening so as to unbalance the fluid pressure outside and inside the plunger element and thereby cause it to move between its seat and stop with a co-ordinated and controlled motion.

10. In combination, a fluid conduit, a valve seat therein, a hollow valve within said conduit comprising two telescoping parts one of which is fixed in the conduit and the movable section of which is formed with stream line surfaces, mechanical means for moving said movable section, and hydraulic means for moving said section comprising a passage from the interior of the valve to a point of low pressure in the conduit and means for controlling said passage whereby the fluid pressures may be unbalanced on the movable section to move the same without the application of mechanical force, said mechanical movable means being adapted to supplement the hydraulic means whenever the available fluid pressure is insufficient.

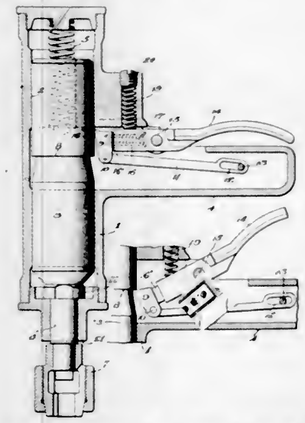
14. In combination, a fluid conduit, a valve seat therein, a hollow valve within said conduit, comprising two telescoping parts, one of which is fixed in the conduit and the movable section of which is formed with stream line surfaces and adapted to seat upon the valve seat, and mechanical means for moving the movable section from the outside of the valve, that portion of said means within the hollow valve being reversible so as to transmit to the outside mechanism a force exerted by unbalanced hydraulic pressures moving the movable section of the valve.

1,465,917. DOUGH-MIXING MACHINE. EDGAR E. O'CONNELL, Washington, D. C., assignor to The Corby Baking Company, a Corporation of Delaware. Filed Oct. 19, 1920, Serial No. 417,916. Renewed July 12, 1923. 6 Claims. (Cl. 259—109.)



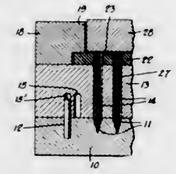
1. A mechanism for initially mixing the flour, water and other ingredients of a dough mass and preparing it for the troughs, having in combination a bowl and a rotary mixing and agitating element, the latter comprising a pair of diametrically opposed horizontal freely rotating rollers of relatively large diameter equi-distant from the axis of rotation, and a pair of relatively smaller horizontal rollers each midway between the large rollers and equi-distant from the axis, and the bowl having the bottom and lower parts of its side walls curved to be concentric throughout with the axis of the rotary element and positioned at a distance from the paths of the said large rollers to provide a dough compressing and kneading space, and having the wall of its upper part arranged to permit the dough to pass through the upper part of its path without pressure or resistance therefrom.

1,465,918. SPRING HAMMER. JOSEPH M. REDINGER, Providence, R. I. Filed Dec. 6, 1921. Serial No. 520,208. 8 Claims. (Cl. 78—25.)



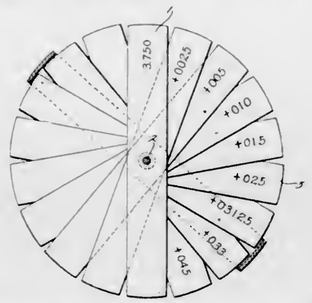
1. In a spring hammer, a T-shaped casing affording a cylinder and a hand grip, a hammer carrying shank and a spring tensioned plunger in the casing cylinder, a slotted link in the hand grip, a pin passed through the slot of the link and carried by the hand grip, a hand lever pivoted to the hand grip, a spring carried by the casing and bearing on top of the lever for urging the latter downwardly, a dog pivoted to the link, a spring between the hand lever and dog for urging the latter toward the plunger, and a shoulder on the plunger for engagement with the nose of the dog, whereby upon depression of the hand lever the nose of the dog will engage beneath the shoulder and raise the plunger, and upon continued depression of the hand lever the dog will move out of engagement with the shoulder to permit the plunger to move to its working stroke.

1,465,919. MANUFACTURE OF BRUSHES. MATTHEW P. BENSON, Troy, and MILTON M. WIENER, New York, N. Y. Filed Apr. 30, 1921. Serial No. 465,873. 8 Claims. (Cl. 300—21.)



1. As an improvement in the manufacture of brushes, the assemblage of bristles of different lengths in groups with the points of the bristles all lying in the same plane and with the heads of the bristles lying in as many different planes as there are different lengths of bristles, then adjusting the bristles lengthwise to bring the points of the longest bristles below those of shorter length and leaving the heads of the bristles in approximately the same plane, and then securing the head portions of the bristles in permanent position, substantially as set forth.

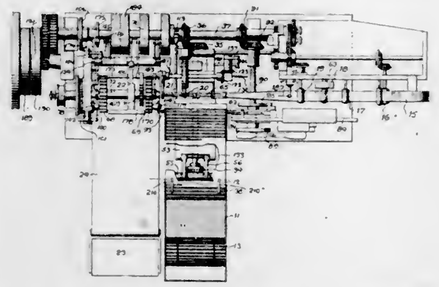
1,465,920. GAUGE. EDGAR ARTHUR FRANCIS, Marshalltown, Iowa. Filed Dec. 17, 1919. Serial No. 345,488. 1 Claim. (Cl. 33—168.)



A gauge for measuring cylindrical bores comprising a plurality of blades having rounded ends to conform to the rounded walls of various bores to be measured and having indications relating to the diameter of each bore, a common pivot upon which all of the blades are mounted, and a cage carrying the pivot in which cage the blades may be housed.

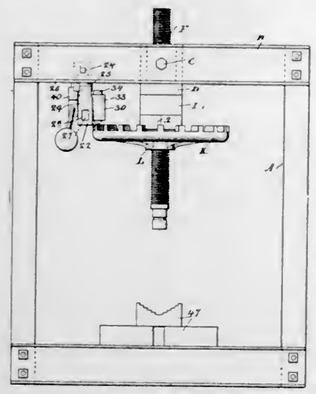
1,465,921. PACKAGING MACHINE. RUDOLPH HERZ, New Rochelle, N. Y., and EUGENE CONTI, West New York, N. J., assignors to Alexander Herz. Filed Mar. 25, 1918. Serial No. 224,504. 73 Claims. (Cl. 93—3.)

1. A machine for producing containers and for packaging one or more articles within each such container, comprising a continuous source of supply of material in strip form to be made into containers; printing means associated with said strip; means for forming said strip into a continuous hollow member of substantially cylindrical form; means for severing said continuous hollow member at predetermined intervals to form a plurality of substantially cylindrical containers, each such container



having both ends thereof open; means for adjusting the strip with respect to said printing means and said cutting means; means for closing one end of such container; means for inserting a predetermined number of the articles to be packaged into said container; and means for closing the open end of said container after the said articles have been inserted therein.

1,465,922. PRESS. PETER JARDINE, Hespeler, Ontario, Canada, assignor to A. B. Jardine and Company, Limited, Hespeler, Ontario, Canada. Filed June 1, 1922. Serial No. 565,264. 6 Claims. (Cl. 78—35.)

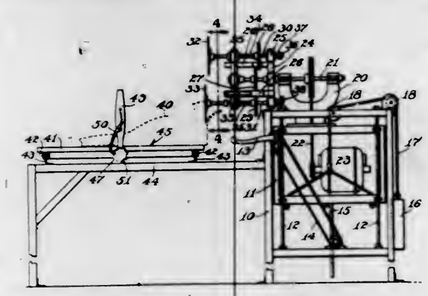


1. In a machine of the class described in combination, a screw; a ratchet-hand wheel having an internally threaded hub through which said screw passes; suitable supporting means for said screw and wheel, and means against which said hub thrusts in order to lower said screw, and adapted to be moved when required to relieve the pressure between said hub and said screw, for the purpose specified.

1,465,923. STEAK AND CHOP CUTTER. THOMAS J. YOUNT, Indianapolis, Ind., assignor to Frank H. Yount, Indianapolis, Ind. Filed Apr. 17, 1922. Serial No. 553,542. 12 Claims. (Cl. 146—77.)

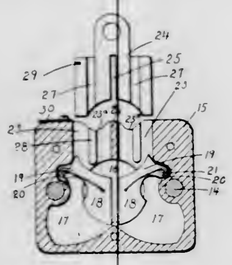
1. A combined meat saw and cutter, comprising a main supporting frame, a sub-frame vertically adjustable therein, a driving shaft in said sub-frame, a rotatable frame carried by and overhanging beyond said sub-frame, and a

plurality of shafts carried by said rotatable frame and provided respectively with disk-shaped butchering mem-



bers so that any of such shafts may be brought into a lower operative position, said shafts being drivable from said driving shaft.

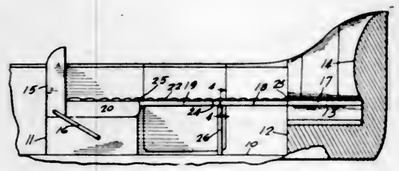
1,465,924. INTAKE LOCK FOR MOTOR VEHICLES. HENRY W. A. FUHRMANN, Alhambra, Calif. Filed Oct. 6, 1921. Serial No. 505,759. 9 Claims. (Cl. 251—6.)



1. The combination with the gaseous fuel supply pipe of an internal combustion engine, of a member located in said supply pipe and provided with an air inlet opening, and a member normally closing said air inlet opening, but adapted to be removed at will from the machine to prevent unauthorized use of the engine.

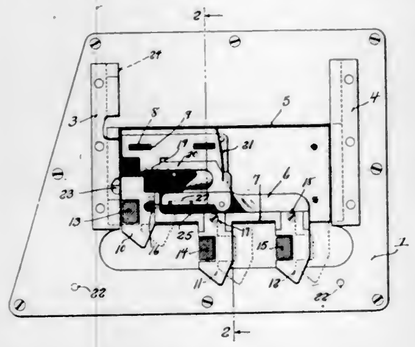
1,465,925. CAMPING BED FOR AUTOMOBILES. MARJORIE STEEL, Los Angeles, Calif. Filed June 27, 1921. Serial No. 480,625. 1 Claim. (Cl. 155—7.)

The combination with a vehicle having a rear seat base, a rear seat back rigid with the rear seat base, a rear seat upon the rear seat base, and a front seat base, of a front seat back adapted to rest loosely upon the front seat base, links connecting the front seat back to the front seat base so that the front seat back may be stepped from the rear side of the base to the front side of the base, a front seat cushion adapted to be turned bottom upwardly upon the front seat base, a panel hingedly connected to the cushion, a second panel hingedly connected to the first panel, a third panel hingedly connected to the second panel and



folding legs adapted to support the meeting sides of the first and second panels and the third panel adapted to rest upon the rear seat cushion, and bolts for latching the panels in a straight line so as to form a bed, and said panels being adapted to fold upon each other and be positioned under the front seat cushion when the bed is out of use.

1,465,926. AUTOMOBILE LOCK. LOUIS WEITZMAN, Milwaukee, Wis. Filed Oct. 8, 1921. Serial No. 506,357. 3 Claims. (Cl. 70—126.)



3. In a device of the character described, a plate adapted to be secured to the floor of an automobile, a shackle carried by said plate, a plurality of jaws carried by said shackle and adjustable with reference to said shackle, and adapted to engage the operating levers of an automobile, and key actuated means for locking said shackle to prevent shifting of said operating levers.

Patents Nos. 1,465,927 to 1,466,654.

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Total	1083		

Interference Notices.

U. S. PATENT OFFICE, *Washington, Aug. 13, 1923.*

Three Minute Noodle Co., its assigns or legal representatives, take notice:

An interference having been declared by this Office between the application of Weitz & Lefft, 427 East One Hundred and Thirty-eighth Street, New York, N. Y., for registration of a trade-mark and trade-mark registered October 29, 1918, No. 123,395, to the Three Minute Noodle Co., 650 West One Hundred and Seventy-seventh Street, New York, N. Y., and the Office having failed to secure service upon the registrant, notice is hereby given that unless said Three Minute Noodle Co., its assigns or legal representatives, shall enter an appearance therein within thirty days from the first publication of this order the interference will be proceeded with as in case of default.

This notice will be published in the OFFICIAL GAZETTE for three consecutive weeks.

WM. A. KINNAN,
Acting Commissioner.

U. S. PATENT OFFICE, *Washington, June 19, 1923.*

The heirs, assigns, or legal representatives of John Norris, deceased, take notice:

An interference has been declared by this Office between the application of the Capitol Sales Company, 714 Walnut Street, Memphis, Tenn., for registration of a trade-mark and trade-mark registered September 21, 1915, No. 106,054, to John Norris, 511 River Street, Canon City, Colo.

It appearing from the record that the registrant is dead, notice is therefore hereby given to the said heirs, assigns, or legal representatives of John Norris, deceased, that if they or any of them desire to contest the said interference proceeding they should immediately put themselves in communication with the Commissioner of Patents.

This notice will be published in the OFFICIAL GAZETTE for three consecutive weeks. If no appearance shall have been entered at the expiration of the period of publication, the interference will proceed as in case of default.

KARL FENNING,
Acting Commissioner of Patents.

Important Information.

In ordering manuscript copies much time will be saved if the order states specifically what is desired, viz:

Application as originally filed. (Petition, specification, oath, and drawings as received.)
Application as amended. (Petition, specification, oath, and drawings with amendments entered.)
Application as allowed. (Petition, specification, oath, and drawings as passed by the Examiner for issue.)
Original application. (Facsimile petition, specification, oath, and drawings at present time.)
Specification as originally filed. (As received in Office.)
Specification as amended. (With amendments entered.)
Specification as allowed. (As passed by the Examiner for issue.)
Original specification. (Facsimile at present time.)
File-wrapper. (File-wrapper only.)
File-wrapper and contents. (File-wrapper, contents of record, including photoprints of any tracings or of prints within file-wrapper. In patented cases, printed copy of the specification and drawings of the patent is furnished.)
File-wrapper, contents, and drawings. (File-wrapper and all of the contents of record, including photoprints of any tracings, exhibits, or prints within the file-wrapper. In pending cases, photoprints of the pending drawings only, omitting any canceled. If patented, copy of the specification and drawings of the patent being furnished, photoprints are not made of the original drawings unless specially ordered. If canceled drawings are wanted, they must also be specially ordered.)
Assignment. (Give the liber and page of the record as well as the name of the inventor.)
Printed publications in possession of the Office. (Give title and date of publication, also page and exact portion to be copied.)

Orders for copies of any other records not mentioned above must state specifically the exact paper to be copied.

Interference Defined.

RULE 93. An interference is a proceeding instituted for the purpose of determining the question of priority of invention between two or more parties claiming substantially the same patentable invention. In order to ascertain whether any question of priority arises the Commissioner may call upon any junior applicant to state in writing the date when he conceived the invention under consideration. All statements filed in compliance with this rule will be returned to the parties filing them. In case the applicant makes no reply within the time specified, not less than ten days, the Commissioner will proceed upon the assumption that the said date is the date of the oath attached to the application. The fact that one of the parties has already obtained a patent will not prevent an interference, for, although the Commissioner has no power to cancel a patent, he may grant another patent for the same invention to a person who proves to be the prior inventor.

Condition of Applications Under Examination at Close of Business August 17, 1923.

(Total number of applications waiting action, excluding Trade-Mark division, 76,926; Trade-Mark division, 3,202. Oldest new case, Sept. 27, 1922, oldest amended, Oct. 12, 1922. The dates given are 1922 except where * indicates 1923.)

Room No.	Divisions, Examiners, and subjects of inventions.	Oldest new application and oldest action by applicant awaiting office action.		No. of applications awaiting action.
		New.	Amended.	
314	1. LOEFFLER, F. A., Closure Operators; Fences; Gates; Harrows and Diggers; Plows; Planting; Scattering Unloaders; Trees, Plants, and Flowers.	Nov. 2	Oct. 13	1,325
128	2. HADEN, C. F., Bee Culture; Dairy; Preserving; Presses; Tents, Canopies, Umbrellas, and Canes; Tobacco.	Nov. 15	Nov. 9	1,490
175	3. RICH, WM. J., Electric Heating and Rheostats; Electrochemistry; Heating; Metal Founding; Metallurgical Apparatus; Metallurgy; Metal Treatment; Plastic Metal Working.	Nov. 16	Dec. 1	1,505
234	4. MERRITT, A. D., Conveyers, Chutes, Skids, Guides, and Ways; Conveyers, Fluid Current; Conveyers, Power Driven; Excavating; Handling—Hand and Hoist-Line Implements; Material or Article Handling; Pushing and Pulling Implements; Railway Mail Delivery; Traversing Hoists.	Oct. 25	*Feb. 28	1,588
167	5. MACNAB, J. F., Bookmaking; Books, Strips, and Leaves; Harvesters; Jewelry; Manifolding; Music; Printed Matter; Tying Cords or Strands.	Sept. 29	Oct. 13	1,510
318	6. LEWERS, A. M., Bleaching and Dyeing; Chemicals; Chemistry—Carbon Compounds; Explosive, Pyrotechnic, and Match Compositions; Fertilizers; Liquid Coating Compositions; Medicines; Plastic Compositions; Substance Preparation.	Sept. 27	*Mar. 7	1,716
312	7. JARBOE, C. G., Games and Toys; Optics; Photography	Nov. 3	*Jan. 3	2,816
133	8. CLIFT, J. W., Beds; Chairs and Seats; Furniture; Kitchen and Table Articles; Store Furniture; Supports.	*Jan. 27	*Apr. 20	1,695
221	9. TRYON, F. M., Air and Gas Pumps; Hydraulic Motors; Injectors and Ejectors; Motors, Fluid; Motors, Fluid Current; Pumps.	Oct. 27	*June 19	934
235	10. HUNTER, O. F. (Acting), Motor Vehicles; Land Vehicles—Animal Draft Appliances, Bodies and Tops, Dumping, Wheel Substitutes.	Oct. 27	Oct. 28	1,564
154	11. ARMSTRONG, H. C., Boot and Shoe Making; Boots, Shoes, and Leggings; Button, Eyelet, and Rivet Setting; Harness; Hides, Skin, and Leather; Leather Manufactures; Nailing and Stapling; Whips and Whip Apparatus.	*Feb. 7	*Jan. 17	1,037
322	12. PIERCE, P. P., Machine Elements	Dec. 18	*Jan. 29	1,491
329	13. NIXON, G. A., Bolt, Nail, Nut, Rivet, and Screw Making; Chain, Staple, and Horseshoe Making; Driven, Headed, and Screw-Threaded Fastenings; Gear Cutting, Milling, and Planing; Metal Drawing; Metal Forging and Welding; Metal Rolling; Metal Working; Needle and Pin Making; Turning.	Nov. 10	*Apr. 4	1,238
323	14. BRUMBAUGH, N. J., Compound Tools; Cutting and Punching Sheets and Bars; Farriery; Metal Bending; Metal Tools and Implements, Making; Sheet-Metal Ware, Making; Tools; Wire Fabrics and Structure; Wire Working.	Oct. 19	*June 7	1,207
308	15. REDROW, W. L., Glass; Laminated Fabric and Analogous Manufactures; Paper Making and Fiber Liberation; Plastic Block and Earthenware Apparatus; Plastics.	Oct. 26	Dec. 15	2,097
112	16. BACKUS, C. D., Radiant Energy; Telegraphy; Telephony	Oct. 27	Oct. 30	2,593
307	17. RAFTER, G. S., Coating, Label Pasting, and Paper Hanging; Nut and Bolt Locks; Ornamentation; Paper Manufactures; Printing; Type Casting; Sheet-Material Association or Folding; Sheet or Web Feeding or Delivering; Type Setting.	Oct. 19	*Feb. 27	1,601
229	18. PORTER, M. E., Liquid Heaters and Vaporizers; Motors, Expansible-Chamber Type; Power Plants; Speed-Responsive Devices.	Oct. 12	Oct. 16	2,078
236	19. GLASCOCK, E. S., Automatic Temperature and Humidity Regulation; Furnaces; Heating Systems; Stoves and Furnaces; Thermostats and Humidostats.	*Mar. 28	*May 3	710
179	20. WRIGHT, H., Artificial Body Members; Miscellaneous Hardware; Closure Fasteners; Cutlery; Dentistry; Locks and Latches; Safes; Undertaking.	*Jan. 2	*Jan. 4	1,678
212	21. THURBER, W. L., Winding and Reeling; Textiles—Braiding, Netting, or Lace Making, Cloth Finishing, Fiber Preparation, Knitting, Spinning, Twisting or Twining, Weaving.	Oct. 21	*Jan. 11	1,079
249	22. COLWELL, J. H., Aeronautics; Firearms; Ordnance; Ammunition and Explosive Devices; Ammunition and Explosive-Charge Making; Air Guns, Catapults, and Targets; Boats and Buoys; Ships; Marine Propulsion.	Nov. 10	*Feb. 5	671
217	23. GROESBECK, W. D., Acoustics; Coin Handling; Recorders; Registers; Sound Recording and Reproducing.	Oct. 13	Oct. 12	872
144	24. DURAS, C. O., Apparel; Apparel Apparatus; Garment Supporters; Sewing Machines	Nov. 1	*Feb. 8	1,418
315	25. LIGHTFOOT, J. H., Agitating; Butchering; Centrifugal-Bowl Separators; Mills; Threshing; Vegetable and Meat Cutters and Comminutors; Gas Separation.	*Jan. 19	*Jan. 9	1,129
105	26. HODGES, J. S., Electricity, Generation; Motive Power; Prime-Mover Dynamo Plants	Oct. 21	Nov. 2	1,034
214	27. ANDERSON, L. S., Brush, Broom, and Mop Making; Brushing, Scrubbing, and General Cleaning; Laundry; Washing Apparatus.	Oct. 18	Nov. 3	1,555
225	28. BENSON, A. R., Internal-Combustion Engines	Nov. 25	*Jan. 24	1,501
147	29. MORRIS, B. N., Abrading; Boring and Drilling; Button Making; Chucks or Sockets; Coopering; Tool-Handle Fastenings; Wheelwright Machines; Wood Sawing; Wood Turning; Woodworking; Woodworking Tools.	Oct. 19	Nov. 9	1,434
152	30. SULLIVAN, M. R., Illuminating Burners; Illumination; Liquid and Gaseous Fuel Burners; Typewriting Machines.	Dec. 6	*Apr. 13	1,967
172	31. HOLMES, W. N., Alcohol; Ammonia, Water, and Wood Distillation; Charcoal and Coke; Gas, Heating and Illuminating; Hydraulic Cement and Lime; Mineral Oils; Oils, Fats, and Glue; Sugar, Starch, and Carbohydrates; Concentrating Evaporators.	Oct. 25	Oct. 21	1,734
278	32. BANCROFT, J. F., Gas and Liquid Contact Apparatus; Heat Exchange	Oct. 23	Oct. 24	1,441
70	33. WYMAN, W. I., Bridges; Hydraulic and Earth Engineering; Masonry and Concrete Structures; Metallic Building Structures; Roads and Pavements; Roofs; Rod Joints or Couplings; Pipe Joints or Couplings; Valved Pipe Joints or Couplings.	Oct. 27	Nov. 13	1,809
304	34. SIMPSON, G. R., Electricity-Transmission to Vehicles; Pneumatic Dispatch; Railways; Railway Rolling Stock; Railway Switches and Signals; Railways, Surface Track; Railway Wheels and Axles; Store Service; Track Sanders; Vehicle Fenders.	*Jan. 18	*Mar. 5	828
52	35. REYNOLDS, E. C., Buckles, Buttons, Clasps, Etc.; Card, Picture, and Sign Exhibiting; Signals and Indicators; Toilet.	*Feb. 21	*Apr. 2	1,092
265	36. MORTON, G. L., Automatic Weighers; Driers; Geometrical Instruments; Measuring Instruments; Force Measuring.	*Jan. 13	*Jan. 3	2,147
107	37. TAYLOR, E. C., Electricity, Circuit Makers and Breakers	Oct. 26	Oct. 24	2,004
378	38. IDE, G. R., Animal Husbandry; Earth Boring; Fishing, Trapping, and Vermin Destroying; Mining, Quarrying, and Ice Harvesting; Stationery; Stoneworking; Wells.	Oct. 23	Oct. 19	1,973
220	39. COWLES, A. W., Fluid-Pressure Regulators; Multiple Valves; Valves; Water Distribution	Oct. 19	Oct. 17	1,416
369	40. OBERLIN, J. J., Baggage; Bottles and Jars; Cloth, Leather, and Rubber Receptacles; Deposit and Collection Receptacles; Metallic Receptacles; Package and Article Carriers; Paper Receptacles; Special Receptacles and Packages; Wooden Receptacles.	Oct. 21	*Apr. 3	2,313
125	41. BROWN, J. I., Land Vehicles, Wheels and Axles; Resilient Tires and Wheels	*Jan. 3	*Jan. 26	990
114	42. CUTTING, H. O., Electrical Conduits and Housings; Electric Signaling; Electric Lamps	Oct. 28	Dec. 2	1,777
382	43. HOPKINS, F. M., Baths and Closets; Electricity, Medical and Surgical; Fire Extinguishers; Sewerage; Surgery; Liquid Separation or Purification.	Nov. 18	Nov. 18	1,797
233	44. SHAFFER, C. H., Bread, Pastry, and Confection Making; Dispensing; Dispensing Beverages; Filling and Closing Portable Receptacles; Railway Draft Appliances; Refrigeration.	Oct. 24	*Mar. 8	1,191
379	45. GILES, A. H., Journal Boxes, Pulleys, and Shafting; Lubrication; Motors; Spring Devices	Dec. 1	Nov. 4	1,650
332	46. WOLCOTT, C. L., Curtains, Shades, and Screens; Educational Appliances; Fire Escapes; Ladders; Fluid Sprinkling, Spraying, and Diffusing; Paper Files and Binders; Wooden Buildings; Scaffolds.	Dec. 2	*Jan. 8	1,560
264	47. BARKER, H., Brakes; Clutches and Power Stop Control; Elevators; Fluid-Pressure Brake and Analogous Systems; Horology; Time-Controlling Mechanism.	Nov. 22	*Jan. 30	1,216
118	48. ROEPKE, O. B., Electricity Conductors; Electricity, General Applications	Oct. 18	Nov. 2	2,289
383	49. EDINBURG, F. P., Check-Controlled Apparatus; Domestic Cooking Vessels; Fuel and Igniting Devices; Joint Packings; Packed Shaft or Rod Joints; Pneumatics; Velocipedes.	Nov. 4	Oct. 24	656
102	DESIGNS: C. O. MARKHAM (Acting)	*Jan. 15	*Mar. 2	2,401
163	TRADE-MARKS, LABELS AND PRINTS: T. L. MEAD, JR. (Trade-Marks	*May 2	*June 22	3,120
	(Labels and Prints	*Aug. 7	*Aug. 2	82

DECISIONS IN PATENT AND TRADE-MARK CASES.

Court of Appeals of the District of Columbia.

IN RE THE B. F. GOODRICH COMPANY.

No. 1,531. Decided January 2, 1923.

1. TRADE-MARKS—"SAFETY"—SAME DESCRIPTIVE PROPERTIES.

Pneumatic-tire casings made of rubber combined with fabric are goods of the same descriptive properties as "conducting hose composed of rubber and fabric."

2. SAME—SAME—SAME.

If the use of the same mark by the contending parties would be likely to lead the public to believe that the goods to which they are applied were produced by the same person or concern, it must be so because the goods possess the same descriptive properties.

3. SAME—SAME—DESCRIPTIVE MARK.

The word "Safety" used as a trade-mark is clearly descriptive. To the mind of a prospective purchaser it would convey the impression that the tire might be used with approximate safety—that it would not skid or do any other thing which might cause injury.

4. SAME—SAME—SAME—SECTION 1 OF ACT OF MARCH 19, 1920, CONSIDERED.

Applicant's mark being identical with the registrant's mark and appropriated to merchandise of the same descriptive properties, falls within the class which section 1 of the act of March 19, 1920, forbids the Commissioner to register.

Mr. H. A. Dodge for The B. F. Goodrich Company.

Mr. T. A. Hostetler for the Commissioner of Patents.

Before SMYTH, Chief Justice, and ROBB and VAN ORSDEL, Associate Justices.

SMYTH, *C. J.:*

The Commissioner of Patents refused registration of the word "Safety" as a trade-mark for pneumatic-tire casings made of rubber combined with fabric on the ground that the word had been previously registered for "conducting hose composed of rubber and fabric," which the Commissioner ruled were goods of the same descriptive properties as those on which applicant used its mark, and also on the ground that the word is descriptive.

[1, 2] We decided in *Gutta-Percha & Rubber Manufacturing Co.* v. *Ajax Manufacturing Co.* (48 App. D. C., 230; 259 O. G., 184) that automobile tires and rubber hose and belting have the same descriptive qualities. It follows from this decision, which we adhere to, that the goods covered by the prior registration and those of the applicant have the same descriptive properties. No rule has been formulated by which it may be determined in every case that arises whether the goods involved have the same descriptive properties. The nearest approach to it is this: that, if the use of the marks by the contending parties would be likely to lead the public to believe that the goods to which they are applied were produced by the same person or concern, it must be so because the goods possess the same descriptive properties. (*California Packing Co.* v. *Price-Booker Manufacturing Co.*, 308 O. G., 451, this day decided.) Applying that rule here, we think the Commissioner was right, for we believe that a person observing the mark on a tire casing and on a rubber hose would be likely to assume that the goods were the products of the same concern.

[3] It seems to us also that the mark is clearly descriptive. To the mind of a prospective purchaser it would convey the impression that the tire might be used with approximate safety—that it would not skid or do any other thing which might cause injury. The case is ruled by our decision in *in re Alvah Bushnell Co.* (49 App. D. C., 133; 261 Fed., 1013), where it is said that the impression which the mark would make upon the public is the test.

[4] Nor is there any merit in the contention that the mark is entitled to registration under the act of March 19, 1920. Section 1 of that act says—

that trade-marks which are identical with a known trade-mark owned and used in interstate and foreign commerce, or commerce with the Indian tribes by another and appropriated to merchandise of the same descriptive properties as to be likely to cause confusion or mistake in the mind of the public or to deceive purchasers, shall not be placed on this register.

This mark, for the reasons already pointed out, falls within the class which the section forbids the Commissioner to register. Therefore his decision is affirmed.

Affirmed.

Court of Appeals of the District of Columbia.

S. S. WHITE DENTAL MANUFACTURING COMPANY *v.* MACDONALD.

No. 1,530. Decided January 2, 1923.

TRADE-MARKS—"WHITEETH" AND "S. S. WHITE" OR "WHITE'S".

Concurrent use of the mark "Whiteeth", written in a distinctive manner, with the mark "S. S. White" or "White's", would not be likely to lead to confusion, and there is nothing in the first-named mark as written and claimed to lead anyone to believe that the goods to which it is applied and the goods of appellant have a common origin.

Mr. H. N. Paul and *Mr. F. B. Fox* for S. S. White Dental Manufacturing Company.

Mr. Chas. E. Francis for MacDonald.

Before SMYTH, Chief Justice, and ROBB and VAN ORSDEL, Associate Justices.

ROBB, *J.:*

Appeal from concurrent decisions of the Patent Office tribunals dismissing the opposition of S. S. White Dental Manufacturing Company, a corporation, to the registration by appellee of the word "Whiteeth", written in a distinctive way, as a trade-mark for tooth paste, the contention of ap-

pellant being that applicant's mark conflicts with its mark "S. S. White", applied to the same class of goods. We here produce the two marks:

WHITE TEETH

SS.WHITE

In view of the distinctive manner in which appellee's mark is written, we are unable to say that its concurrent use with the mark of appellant would be likely to create confusion, which is the only question before us in this proceeding. The result would be the same were we to assume, as the evidence indicates, that appellant's goods are sometimes alluded to as "White's" goods. In other words, there is nothing in appellee's mark as now written and claimed to lead anyone to believe that the goods to which it is applied and the goods of appellant have a common origin.

The decision therefore is affirmed.

Affirmed.

Court of Appeals of the District of Columbia.

BRENZINGER *v.* THORNBURGH.

No. 1,537. Decided February 5, 1923.

1. CLAIMS — COMPREHENSIVE WORDS AND PHRASES— "MEANS" MUST BE PRESENT IF ACT IS PERFORMED.
Where a formed portion is actually abstracted, it follows that some means for abstracting is present, although the abstracting may be allowed rather than forced.

2. INTERFERENCE—PRIORITY—RIGHT TO MAKE CLAIMS.
Where after an award of priority to T. on all the counts B. appealed on those counts only which included means for abstracting or removing a formed portion, etc., and admitted that abstracting or removing occurred in T.'s structure, but contended that there were no *means* for the purpose, *Held* that since all the counts cover the same invention it would be unreasonable to award priority to B. on the appealed counts.

Mr. Theo. K. Bryant and *Mr. F. H. Bowersox* for Brenzinger.

Mr. H. N. Low and *Mr. John C. Carpenter* for Thornburgh.

Before SMYTH, Chief Justice, ROBB, Associate Justice, and Judge SMITH, of the United States Court of Customs Appeals, sitting in place of Associate Justice Van Orsdel.

SMYTH, *C. J.*:

In an interference proceeding between Julius Brenzinger and Ivan D. Thornburgh the Commissioner of Patents decided in favor of Thornburgh.

It appears that in packing perishable products in tin cans closed and sealed by the double-seaming process, it has been found necessary to interpose a suitable packing between the layers of metal which are intercurled and compressed to form the double seam in order to insure an air-tight joint. The invention in controversy relates to improvements in paper-lining machines for the covers of such cans. There were five counts in the interference, but there are only two of them now in controversy, i. e., claims 1 and 5, which are as follows:

1. In a machine of the character described, the combination, with a source of pulp supply, of means for abstracting a formed portion of the pulp and depositing the same bodily around the peripheral edge only of a can cover.

5. In a machine of the character described, the combination, with means for advancing flanged can covers to be lined, of a source of pulp mixture, means for repeatedly removing a portion of the mixture in form corresponding to that of the flange of the can cover and depositing it bodily around the edge only of the said cover and leaving thereon a green gasket liner.

[1] The question to be decided is whether Thornburgh has a right to make the claims. The Law Examiner held that he had. Brenzinger taking the position that this was wrong refused to take testimony, and in consequence the Examiner of Interferences awarded priority to Thornburgh. On appeal the Examiners in Chief affirmed the decision of the Examiner of Interferences as to all the counts of the issue save 1 and 5. These counts they awarded to Brenzinger. The Assistant Commissioner reversed their decision and gave the last-named counts to Thornburgh. In doing so he said that Brenzinger admitted that abstracting or removing occurred in Thornburgh's structure, but contended there were no means for the purpose. Commenting on this the Assistant Commissioner said that the abstracting may be allowed rather than forced, but if it happens some means must be present; and added that since counts 2 and 4 call for means for removing, and as Thornburgh has those counts he should have counts 1 and 5.

[2] We think the case turns upon whether or not counts 2, 3 and 4 pertain to the same invention as counts 1 and 5. If they do, then since they were awarded to Thornburgh he should also have counts 1 and 5. It is the law that the terms of a claim should be given the broadest interpretation which they will bear. (*Miel* v. *Young*, 29 App. D. C., 481; 128 O. G., 2532.) Applying this rule to the case before us, must we not say that the Assistant Commissioner was right? Count 1 calls for means for abstracting a formed portion of the pulp and depositing the same bodily, etc. Count 5 provides for repeatedly removing a portion of the pulp mixture in form corresponding to that of the flange of a can cover and depositing it bodily around the edge. Count 2 calls for means for repeatedly removing a portion of the pulp mixture and transferring the same to a can cover in form for depositing it, and count 4 requires means for repeatedly removing a portion of the pulp supply to supply the the same in annular form and depositing it bodily around the peripheral edge, etc. All of these claims call for means for removing a portion of the pulp and depositing it. True, they do not say a "formed portion" but they are broad enough to cover a portion whether formed or not. It was decided that Thornburgh was entitled to counts 2, 3 and 4. This was on the theory that they read upon his structure. We have no right to revise that decision in this proceeding because no appeal was prosecuted from it. Assuming, as we must, the decision to be correct, it would be unreasonable to award to Brenzinger counts 1 and 5 since they cover the same invention as 2, 3 and 4. Brenzinger contends that if counts 2, 3 and 4 be given a meaning sufficiently broad to cover the means called for by counts 1 and 5, they would not read upon Thornburgh's structure, but the Patent Office has held that they do read upon it and we are not at liberty to disregard that holding since no appeal was taken from it by Brenzinger, even though we should be of the opinion that his contention is right.

Finding no error in the ruling of the Commissioner we affirm his decision.

Affirmed.

Court of Appeals of the District of Columbia.

DREY *v.* PEILER.

No. 1,543. Decided March 5, 1923.

INTERFERENCE—ISSUE—CLAIMS COPIED FROM A PATENT.
Where counts are taken from the claims of a patent, the one copying the claims is bound by the meaning intended by the patentee.

Mr. John S. Barker and *Mr. Edward E. Longan* for Drey.

Mr. V. M. Dorsey and *Mr. S. F. Parham* for Peiler.

Before ROBB and VAN ORSDEL, Justices, and SMITH, Judge U. S. Court of Customs Appeals.

VAN ORSDEL, *J.*:

This appeal is from the decision of the Commissioner of Patents awarding priority to appellee Peiler for an invention relating to a method of and apparatus for delivering molten glass from a furnace to a mold. The issue is in the following two counts:

1. The method of delivering glass from a furnace to a mold, which consists in flowing glass on a support which contacts with only a portion of the batch and subjecting the free unsupported remaining portion of the batch to heat.

2. The combination with a receptacle capable of holding molten glass, provided with a discharge orifice, of a chamber surrounding said orifice, and means for supporting within the chamber a substantially pear shaped gob of glass.

Peiler, the senior party, copied the claims from a patent issued to appellant Drey on July 13, 1915. The applications, however, were copending, hence the patent accords no advantage in this proceeding to Drey.

Drey's invention consists of a closed heated chamber connected with the furnace, so that the molten glass to form a charge or gob is collected therein. Difficulty has been experienced in preventing the chilling of the glass in passing from the furnace to the mold, thereby causing defects in the finished ware. In Drey's device the glass is kept completely inclosed in the heated chamber while accumulating a charge. The temperature of the chamber is maintained at approximately the same heat as the furnace. The lower end of the chamber is inclosed by two concave blades into which a small stream of molten glass flows, causing the lower end of the charge to assume a globular or pear shape. The advantage of this process is pointed out in the specification in that—

it shapes the gathering to conform more nearly to the mold and hence the gathering when released will drop to the bottom of the mold, thus minimizing air bubbles in this operation, as well as facilitating the work of the plunger or other forming means.

When sufficient charge is collected, the concave knives open and the charge drops into the mold, and the knives closing sever the stream and the process of collecting another charge is repeated.

Peiler's process is entirely different. A trough projects from the furnace through which the molten glass flows onto a rotating punty, adjusted in line with the stream of glass. Peiler's process is described in the opinion of the Board of Examiners in Chief as follows:

In the old process of glass molding the molten glass was transferred from the furnace to the mold by an operator with a punty, the latter being dipped into the bath and turned until a sufficient quantity of the glass had been wound thereon. It was then withdrawn from the furnace and swung around to the mold, being turned in the meanwhile to prevent the glass from falling. Arriving at the mold the punty was checked in its rotation, with the result that the molten glass flowed from the punty into the mold. Peiler's idea is to apply the principle of the rotatable punty to a flowing stream of molten glass. He, therefore, causes the glass to flow onto the punty head while the latter is rotating and while the glass is accumulating thereon. To cause the mass to separate from the punty, the latter is checked or stopped in its rotation, this movement being effected by a mutilated gear train. In order to prevent the loss of too much heat from the flowing stream, Peiler surrounds the trough with a hood of refractory material, the side and rear walls of which are shown as depending below the plane of the trough and below the punty. To guard still further against chilling of the glass he causes a flame to play upon the end of the trough and upon the stream about the punty. The Peiler hood is entirely open below and also at its front from a point substantially tangent with the lower surface of the punty. One of the side walls has an aperture therethrough for the punty, the front wall has an opening for the flame that plays upon the glass and the top has an opening through which the gate extends.

The Board then cites a number of patents tending to show that Peiler has gone no further in the way of conserving heat than is shown by the prior art. Referring to the prior art, the Board said:

While Peiler, like most of the above patentees, seems to have had in mind the idea of preventing excessive chilling by shielding the glass from air currents, he has not provided a chamber in which the batch or gob is formed that is protected from the influences of the air in any such degree as Drey.

We agree with the Board of Examiners in Chief, who held Drey entitled to priority, that Peiler discloses no means for supporting the charge or gob within the terms of claim 1. While the punty supports the charge during suspension and drops it in pear shape into space, it is not the support described in the Drey patent. Hence it does not come within the rule of construction that where counts are taken from the claims of a patent, the one copying the claims is bound by the meaning intended by the patentee. Nor do we think that the chamber disclosed in the Peiler application even remotely meets the claims which he seeks to appropriate from the Drey patent.

The decision of the Commissioner is reversed, with directions to award priority to appellant Drey.

Court of Appeals of the District of Columbia.

IN RE EIERMANN.

No. 1,542. Decided March 5, 1923.

1. PATENTABILITY—TRANSFER OF OLD DEVICE TO A NON-ANALOGOUS ART.
There is nothing in the formation of a saw blade which would suggest to one skilled in the art the adop-

tion of the saw blade as a blade for a scraper, and their use is not so associated as to suggest readily the conversion of the saw blade into a garage scraper.

2. APPEAL TO COURT OF APPEALS OF THE DISTRICT OF COLUMBIA—CLAIM ORIGINALLY PRESENTED TO EXAMINERS IN CHIEF.

Where a claim was not presented to the Primary Examiner, but was suggested by E. when the case was before the Examiners in Chief, *Held* that it was properly before the court for consideration on appeal, since it was considered and disallowed by the Commissioner.

Mr. Perry B. Turpin and *Mr. Arthur L. Kitchin* for the appellant.

Mr. T. A. Hostetler for the Commissioner of Patents.

Before ROBB and VAN ORSDEL, Justices, and SMITH, Judge U. S. Court of Customs Appeals.

VAN ORSDEL, *J.:*

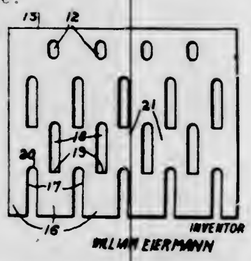
This appeal is from the decision of the Commissioner of Patents denying claims 2 and 3 in appellant's application for patent upon the invention set out in the following claims:

1. The herein described scraper comprising a heavy body portion having formed at its lower edge an extended flange in alignment with the axis of the body, means to attach a handle in alignment with the same axis, the body being formed opposite the upper portion of the flange with a shoulder arranged transverse to the axis, said flange being formed with a plurality of holes, a flat blade having parallel upper and lower edges, the upper edge portion being fitted against said flange and abutting squarely against said shoulder, said blade being provided with a plurality of vertical slots with which said flange holes are adapted to align, and fastening means for the blade passing through the slots and holes.

2. A scraper of the nature set forth in claim 1 in which the blade is provided with a plurality of series of vertical slots, the slots of the lowermost series extending into the bottom edge of the blade and the upper ends of each series of slots extending midway between and above the lower ends of the next higher series of slots.

3. A tool, comprising a handle, a heavy head carried by the handle in direct line with the force applied thereto, said head having a flange extended to produce a transverse shoulder; and a blade with means mounting it on the flange in abutment with the shoulder to receive the thrust and prevent straining the mounting means, said blade being relatively thin for self-sharpening while in action on one side, the weight of the head giving the tool momentum in use, facilitating its functions.

The invention is a scraper for cleaning garage floors or the like, where it becomes necessary to remove heavy, thick and sticky crusts or coatings which accumulate, especially on garage floors. Claim 1, comprising the handle and heavy head to which the blade is attached, has been allowed. The blade, embraced in claim 2, is illustrated in the following figure:



It will be observed by reference to the figure, that the shoulder of the handle, described in claim 1, rests on the blade 13 and is bolted thereto through the holes or slots 12. The edge of the scraper consists of a series of blades 18 separated by elongated slots 17. When the blades wear back to the point 20, the ends of succeeding slots 19 will be worn open, thus creating a new series of blades, which, when worn away, will form a new series of blades 21.

The tribunals held that this claim was anticipated by a patent to one Jacobs, which consists of "a saw blade for stone sawing machines." The saw blade contains teeth which when worn away to the full depth of the intervening slots, open up new slots and teeth formed in much the same manner as in the invention before us.

[1] We think there is nothing in the formation of a saw blade which would suggest to one skilled in the art, the adoption of the saw blade as a blade for a scraper. They belong to different arts. Nor is their use so associated as to suggest readily the conversion of the saw blade into a garage scraper. We think the idea of adapting the design disclosed in the saw blade into a scraper blade is sufficiently novel to amount to invention.

Objection is made to the general expression used in claim 2, "a scraper of the nature set forth in claim 1," instead of the usual expression "as described in claim," etc. If this is regarded as sufficiently important, when the case goes back for patent, the claim may be easily amended to conform to the usual verbiage.

[2] Claim 3 was suggested by appellant when this case was before the Examiners in Chief. It was held that the suggestion came too late, since it had not been presented to the Primary Examiner. The claim, however, was considered by the Commissioner and disallowed and is, therefore, properly before us for consideration. We think that inasmuch as the claim describes the operation of the combined device, as disclosed in claims 1 and 2, it should be allowed. Without it the operation of the device, as shown in claims 1 and 2, would be left indefinite and uncertain and the protection to which appellant is entitled, under his patent, would not be fully and completely afforded him.

The decision of the Commissioner is reversed.

Court of Appeals of the District of Columbia.

IN RE RUTHS.

No. 1,550. Decided April 3, 1923.

INVENTION—MERE SELECTION OF OLD POWER PLANT UNITS AND ASSEMBLING THEM IN A SINGLE PLANT.

The mere selection of old units of power plants using a combustible fuel gas, all well known and their functions and purposes well known, and assembling them in a single plant involves no inventive concept, although the new plant possesses many advantages, where these are inherent in the devices or units employed and engineers are entirely familiar with these facts.

Mr. W. G. Henderson for Ruths.

Mr. T. A. Hostetler for the Commissioner of Patents.

Before ROBB and VAN ORSDEL, Justices, and SMITH, Judge U. S. Court of Customs Appeals.

ROBB, *J.:*

Appeal from a decision of the Patent Office rejecting two claims of appellant for the utilization of waste gas from blast furnaces for driving gas engines and simultaneously generating steam in one or more steam boilers and storing steam in a so-called accumulator or steam storage vessel, from which the steam is supplied as desired to one or more steam engines. Claim No. 1 is sufficiently illustrative and reads as follows:

1. In power plants using a combustible fuel gas, e. g., blast furnace gas, the combination of gas engines being supplied with a portion of the said fuel gas, a steam generator being heated by the excess of the said fuel gas, steam-consuming or steam-operated devices connected with said steam generator and a steam-storage receptacle filled with water under pressure and arranged between said steam generator and said steam-consuming devices.

The principal reference relied upon by the Patent Office tribunals is an article in the "Power" magazine on "Utilization of blast furnace gas", in which is discussed the general system covered by the claims here involved. The article clearly suggests the use of blast-furnace gas for running gas engines and the surplus for running steam-generating boilers. In other words, this article suggests everything covered by these claims except the storage receptacle. Each of the tribunals of the Patent Office reached the conclusion that inasmuch as a storage receptacle functioning substantially as does appellant's accumulator was disclosed in the Halpin (Jan. 30, 1894, No. 513,922) and the Kitchen (May 23, 1911, No. 992,881 and Oct. 22, 1912, No. 1,041,810) patents, it involved no invention to include such a receptacle in carrying out the idea suggested in the "Power" article. The Assistant Commissioner, after directing attention to appellant's contentions relative to the economy value of his combination, said:

I am unable, however, to discover any room for doubt that the mere selection of these old plant units, all well-known and their functions and purposes well-known, and assembling them in a single plant, involved any inventive concept. No doubt the plant possesses many advantages, but these are inherent in the devices or units employed, and engineers were entirely familiar with these facts.

We are constrained to agree with this reasoning, and therefore affirm the decision.

Affirmed.

Court of Appeals of the District of Columbia.

IN RE DAYTON, DAYTON, AND EDWARDS.

No. 1,547. Decided June 4, 1923.

COMBINATION—PUMP OPERATED EITHER BY HAND OR BY POWER.

To constitute a patentable combination, the parts constituting the combination must coordinate and must jointly contribute to achieve the final result desired. If one part of the combination operates while the other is idle, it is needless to say that there is no joint action and that a pump which may be operated either by hand or by power, but not by both, is not a patentable combination. "Merely bringing old devices into juxtaposition and then allowing each to work out its own effect without the production of something novel is not invention." (*Hailes* v. *Von Wormer*, 20 Wall., 353, 368.)

Mr. D. P. Wolhaupter for Dayton et al.

Mr. T. A. Hostetler for the Commissioner of Patents.

Before SMYTH, Chief Justice, ROBB, Associate Justice, and SMITH, Judge of the United States Court of Customs Appeals.

SMITH, *J.:*

Frank L. Dayton, Frank E. Dayton and Curtis H. Edwards, filed an application for the issuance of Letters Patent for new and useful improvements in dispensing and measuring pumps. The following three claims of the application, as finally amended, were allowed by the Examiner:

3. A liquid dispensing and measuring device, including an upright pump cylinder, a piston mounted therein, a dispensing pipe leading from the pump cylinder, a power cylinder arranged above the pump cylinder, in alignment therewith, a piston in the power cylinder, a gear case, standards projecting upwardly from the pump cylinder and supporting the gear case, a vertically disposed rack slidable through the gear case, piston rods rigidly connecting the respective pistons to the corresponding ends of the rack, gearing journaled in the gear case and meshing with the rack, manual means for applying power to the gearing to operate the pump manually, and valve controlled means for admitting fluid pressure to the power cylinder.

4. A liquid dispensing and measuring device, including an upright pump cylinder, a piston therein, a dispensing pipe leading from the pump cylinder, a hood arranged above the pump cylinder in a spaced relation thereto, a power cylinder supported by the hood and arranged in alignment with the pump cylinder, a piston in the power cylinder, means rigidly connecting the piston of the power cylinder to the piston of the pump cylinder, valve control means admitting fluid pressure to the power cylinder, means acting upon the connecting means between the pistons for manually operating the pump, and a tubular casing section slidable upon the exterior of the pump and adapted to be moved upwardly into engagement with the hood for co-operation therewith to house the connecting means between the pistons and the manual operating means.

6. A liquid dispensing and measuring device, including a flanged base, a lower cylinder head resting thereon, an upright pump cylinder on the lower cylinder head, a flanged upper cylinder head tie bolts connecting the flanged upper cylinder head to the flanged base, a piston within the pump cylinder, a dispensing pipe leading from the pump cylinder, a hood arranged above the pump cylinder, rods supporting the hood and engaging the flanged cylinder head and base, a power cylinder, supported by the hood, a piston within the power cylinder, means rigidly connecting the two pistons and including a rack, gearing engaging the rack, manual means for driving the gearing to operate the pump, and means for admitting fluid pressure to the power cylinder to operate the pump.

The remaining eight claims of the amended application were rejected.

On appeal the action of the Examiner was affirmed by the Examiners in Chief and their decision upon appeal to the Commissioner of Patents was affirmed by the First Assistant Commissioner. From the final decision of the Patent Office this appeal was prosecuted and involves the rejected claims of which the following claim is admittedly typical:

11. A liquid dispensing and measuring device of the character described, including a measuring pump cylinder, a piston therein, a compressed air power cylinder, a piston therein, a rack rigidly and permanently connected to the two pistons so as to move in unison therewith, gearing meshing with the rack, an indicator actuated by the gearing, and manual means for driving the gearing to actuate the pump when the compressed air power cylinder is not available for that purpose.

The rejected claims raise the issue as to whether they set forth an improvement which possesses the patentable essentials of novelty and utility.

It is contended by the appellants that prior to their alleged invention all gasoline measuring and dispensing pumps were operated by hand and that the manual operation of such pumps occasioned a delay in service and a diminished efficiency on the part of the attendant, which the improvement submitted by them to the Patent Office avoids by normally actuating the dispensing pump with compressed air or other fluid means and by actuating it by hand only in case the compressed air or other fluid operating means fails to work.

Dispensing and measuring pumps which can be operated either by hand or by power derived from compressed air or other fluid manifestly have some if not all of the advantages suggested by the ap-

pellants and their utility can hardly be denied. Their claim to novelty in the art however is quite another matter and must stand or fall as the references may determine. Pumping by hand as well as pumping by power are of course very old conceptions and whether claim 11 states an invention depends on whether it is novel to equip a pumping machine with both a hand and a power operative means for the alternative accomplishment of the final result.

The patent issued to Mohr in February, 1910, covered a pump designed to be operated either by hand, a pump jack or other power, and specified the mechanical agency for the disengagement of the hand-operating means when the pump was worked by power.

The patent issued to Brown in April, 1912, covered a pump which was operated either by hand or by motor power and was so devised that either means of actuating the pump might be used while the other was at rest. A means for indicating the quantity of gasoline dispensed is shown by the Deming patent and apparently by the patent for gasoline pumps issued to Davis in 1906.

True enough the patent to Mohr was primarily intended for use with a windmill, but the employment of two kinds of power for alternate use was just as much a feature of Mohr's patent as it is of the applicants' rejected claims. More than that, Mohr's pump was just as much a permanently-assembled unit permitting either manual or power operation as is that of the appellant. The fact that a releasable coupling is utilized by Mohr in order to connect the power means with the pumping instrumentalities and that no such coupling or like device is contemplated by appellant's claim, does not alter the fact that Mohr's patent and the applicant's claim provide for manual and power operation which may be alternatively used. What one accomplished by the release coupling the other apparently obtains by shutting off the compressed air or other fluid actuating means.

To constitute a patentable combination the parts constituting the combination must coordinate and must jointly contribute to achieve the final result desired. If one part of the combination operates while the other is idle, it is needless to say that there is no joint action and that a pump which may be operated either by hand or by power, but not by both, is not a patentable combination.

Merely bringing old devices into juxtaposition and then allowing each to work out its own effect without the production of something novel is not invention. (*Hailes v. Von Wormer*, 20 Wall., 353, 368.)

The decision of the Commissioner is affirmed.

Court of Appeals of the District of Columbia.

PATTON PAINT COMPANY *v.* SUNSET PAINT COMPANY.

No. 1,545. Decided June 4, 1923.

1. TRADE-MARKS—USE OF "SUN" AND REPRESENTATIONS OF THE SUN CAN NOT BE WHOLLY DENIED TO OTHERS.

The word "Sun" and representations of the sun have been used so long by business men in the making of trade-mark names and devices that neither one nor the other can be so exclusively appropriated by one manufacturer or tradesman as to wholly deny its use in any manner by others.

2. SAME—DISTINCTIVE AND UNIQUE REPRESENTATIONS OR DISPLAY OF THE WORD MAY BE EXCLUSIVELY APPROPRIATED.

The display of the word "Sun" and a representation of the sun may be so distinctive and so unique as to warrant their appropriation; but that appropriation by itself does not exclude others from the use of a different distinctive display of the word "Sun" or of a distinctively different representation of the sun.

3. SAME—"SUN-PROOF" AND "SUN-GLO" DISSIMILAR.

While the word "Sun" is common to both marks, the word "Glo" and the word "Proof" distinguish one combination from the other and give an identifying character to the trade designation which makes it unlikely that one mark could with the exercise of ordinary care be mistaken for or confused with the other.

Mr. W. T. Estabrook for Patton Paint Co.

Mr. A. E. Wallace for Sunset Paint Co.

Before ROBB and VAN ORSDEL, Justices, and SMITH, Judge of the United States Court of Customs Appeals.

SMITH, *J.*:

In 1897 the assignor and predecessor in interest of the Patton Paint Company, registered as a trade-mark for its paints a serrated representation of the sun bearing the words "Patton's Sun-Proof Paints," the essential parts of which mark were declared to be the arbitrarily-selected word "Sun-Proof" and a conventionalized picture of the sun.

In 1915 the company registered in the Patent Office as a trade-mark for its ready-mixed paints and painters' materials, a face in a serrated circle from the upper and lower part of which cometlike rays or streamers projected.

The Sunset Paint Company of Los Angeles on the 27th of January, 1920, applied for registration of the word "Sun-Glo" used by it from 1915 as a trade-mark for its house paints, wall paints, painters' materials and floor varnishes. To that application the Patton Paint Company presented its opposition to which answer was made denying the material allegations thereof and averring as an affirmative defense that in form, appearance and meaning the trade-mark name "Sun-Glo" so differed from that of the opposer as not to mislead or confuse the ordinary purchaser. Testimony was taken by deposition and submitted to the Examiner of Interferences on the issue joined. The Examiner of Interferences held that the applicant, the Sunset Paint Company, was not entitled to registration. On appeal that decision was reversed by the First Assistant Commissioner of Patents and the opposition of the Patton Paint Company was dismissed. From the decision of the Assistant Commissioner, an appeal was taken by the Patton Paint Company to this court, and in support of that appeal it is contended that the word "Sun" is a very important feature of the applicant's trade-mark name and that while the word "Glo" is not similar to the word "Proof" in appellant's trade name, there is such similarity in appearance and sound between "Sun Proof" and "Sun Glo" that it would cause goods marked "Sun Glo" to be mistaken for those of appellant.

We cannot agree with that contention. The purpose of a trade-mark is to indicate either by itself or by association the origin or ownership of the merchandise to which it is attached and any one may attach to his wares or merchandise any symbol or device not previously appropriated, which will distinguish his product or goods from those of the same general nature manufactured or sold by others. (*Galena-Signal Oil Co. v. W. P. Fuller & Co.*, 142 Fed., 1002, 1007; *Columbia Mill Company v. Alcorn*, 150 U. S., 460, 463; *Manufacturing Co. v. Trainer*, 101 U. S., 51, 53; 17 O. G., 1217.) Whether the trade-mark of the applicant distinguishes its goods from those of the opposer carrying the mark "Sun-Proof" is therefore the vital question in the case.

[1] The word "Sun" and representations of the sun have been used so long by business men in the making of trade-mark names and devices that neither one nor the other can be so exclusively appropriated by one manufacturer or tradesman as to wholly deny its use in any manner by others.

[2] The display of the word "Sun" and a representation of the sun may be so distinctive and so unique as to warrant their appropriation, but that appropriation by itself does not exclude others from the use of a different distinctive display of the word "Sun" or of a distinctively different representation of the sun.

The word "Sun" is a feature of both marks, nevertheless, as it is a term which either party had a right to use for the purpose of making a compound word or designation, similarity of the marks so made or the lack of it, must be determined by comparing the designations as entireties.

[3] The idea sought to be conveyed to the mind of the purchaser by the trade-marks of the parties to this proceeding was that the paints of the one glowed in the sun or like the sun and that the paints of the other were proof against the sun's rays. While the word "Sun" is common to both marks, the word "Glo" and the word "Proof" distinguish one combination from the other and give an identifying character to the trade designation which makes it unlikely that one mark could with the exercise of ordinary care be mistaken for or confused with the other.

"Sun Glo" is not similar in appearance or in meaning to "Sun Proof" and the purchaser would be careless to a degree if he should permit his eyes or his ears to mistake one for the other. "Sun Glo" has been used by the applicant on its goods ever since June, 1915, and the fact that no evidence of confusion in the trade was introduced or offered is rather convincing that in this case no such confusion existed and that the ground on which the opposition is based is untenable. (See *Lapointe Machine Tool Co. v. J. N. Lapointe Co.*, 99 Atl. Rep., 348, 354.)

Of course applicant's mark might be so used with a device or representation of the sun as to amount to unfair competition, but when that occurs the appellant may avail himself of a remedy which may prove more effective than opposition to the registration of a trade-mark which he fears may be misused.

The decision appealed from is affirmed.

Court of Appeals of the District of Columbia.

IN RE ROSENBERG.

No. 1,557. Decided June 4, 1923.

PATENTABILITY—MODIFICATION OF A SCREW WHEREBY IT COMBINES THE CHARACTERISTIC QUALITIES OF BOTH A SCREW AND A TAP.

Where a screw which served as a fastener was provided with casehardened threads which enabled it to cut female threads for itself without impairing its own threads, the screw combining in itself the characteristic qualities both of a screw and a tap, a feature unknown to the screws of the prior art, the final decision of the Patent Office rejecting the claims was reversed.

Mr. E. M. Kitchen for Rosenberg.

Mr. T. A. Hostetler for the Commissioner of Patents.

Before SMYTH, Chief Justice, ROBB, Associate Justice, and SMITH, Judge of the United States Court of Customs Appeals.

SMITH, *J.*:

Heyman Rosenberg on the 18th of January, 1917, filed an application for a patent for a screw, the threads of which extend substantially to the head of the screw and are hardened sufficiently to cut into the metal without substantial injury to the threads, a portion of the thread and shank being cut in such a way as to provide a locking notch and so prevent the loosening of the screw after having been screwed home. The claims on which the right to a patent are based, are as follows:

1. A screw having a body and a thread substantially the same in contour as a conventional wood screw, the thread being hardened sufficiently for cutting into metal substantially without injury to the thread.

2. A screw comprising a shank and thread substantially of the form of a conventional wood screw, a portion of the thread and shank being cut away to provide a locking notch and the thread being hardened, sufficiently for cutting metal.

3. A screw having hardened threads with cut away portions forming hardened cutting edges, the body and thread of the screw substantially conforming in proportions, and contour to those of the conventional wood screw, but the thread extending substantially to the head of the screw.

The Examiner rejected the claims on the ground that they were anticipated by a patent issued to Cornelius on July 1, 1913. Claim 1 was rejected on the further ground that it disclosed nothing more than the obvious way of making the article. On appeal that ruling was affirmed by the Examiners in Chief and from their decision an appeal was affirmed by the First Assistant Commissioner. From the final decision of the Patent Office this appeal was taken.

The issue raised by the claims is not whether the applicant invented a screw or a tap for cutting female screw threads, both of which things were known to the world long before the applicant set himself to work to produce a fastening device which had the combined qualities of a screw and a tap.

The question before us is whether an appliance which unites in itself the qualities of a screw and of the tool known as a tap, is new to the art. We think it is. The screw known to the art was primarily a fastening not a female-thread-cutting device and whatever cutting it did when forced through metal resulted in more or less "stripping" of its threads with consequent impairment of its efficiency as a fastener. The tap is not and never was a fastener, but a tool for cutting female threads. The screw described in the application is a fastener with casehardened threads which enable it to cut female threads for itself without impairing its own threads and thereby to resist its loosening by jars or unequal expansion. The screw sought to be patented combines in itself the characteristic qualities both of a screw and a tap, a feature unknown to the screws of the prior art.

We are of the opinion that the applicant will be fully protected by granting claims 2 and 3 and as to those claims the decision appealed from is reversed.

Reversed.

PATENT SUITS.

[Notices under section 4921, Revised Statutes, as amended February 18, 1922.]

S25,779, Vraalstad & Doyle, Hydrocarbon furnaces, suit filed July 9, 1923, D. C., E. D. La., Doc. 17,303, *Aetna Combustion Co.* v. *W. Edenborn et al.*

S41,211, J. Abrahams, Machine for making pastry horns or cups for containing ice cream; 974,705, L. W. Partridge, Molding and baking machine; 1,010,619, J. P. Groset, Ice-cream-cone-cooking apparatus; 1,151,548, W. J. Rumple, Machine for making pastry; 1,232,820, W. McLaren, Molds for ice-cream-cone machines, suit filed June 14, 1923, D. C., N. D. Ill., Doc. 3588, *The McLaren Products Co.* v. *Consolidated Wafer Co.*

S91,140, Brown & Brown, Elevators; 901,949, same, Unloading apparatus; 1,232,301, H. Harrington, Portable conveying apparatus, suit filed June 27, 1923, D. C., N. D. Ill., Doc. 3597, *Standard Conveyor Co.* v. *McKinney-Harrington Co.*

901,949. (See S91,140.)

958,478, W. E. Davey, Process of reenforcing trees, suit filed June 21, 1923, D. C., N. D. Ill., Doc. 3595, *The Davey Tree Expert Co.* v. *W. F. Bolinger.*

974,705. (See S41,211.)

1,010,619. (See S41,211.)

1,041,023, C. A. Channell, Mops, suit filed June 19, 1923, D. C., N. D. Ill., Doc. 3591, *Channell Chemical Co.* v. *J. A. Meinhardt.*

1,056,498, J. C. Buckels, Outlet-box support, suit filed June 8, 1923, D. C., N. D. Ill., Doc. 3564, *Economy Electrical Specialty Co.* v. *S. Garvin & Co., Inc., et al.*

1,095,775, E. K. Baker, Demountable wheel rim; 1,095,953, same, Wheel for automobiles and the like, suit filed June 25, 1923, D. C., N. D. Ill., Doc. 3596, *Universal Rim Co.* v. *Motor Rim & Wheel Corp.*

1,095,953. (See 1,095,775.)

1,104,203, L. B. Linkman, Smoking pipes, suit filed June 1, 1923, D. C., N. D. Ill., Doc. 3558, *M. Linkman & Co.* v. *Chicago Briar Pipe Co.*

1,151,548. (See S41,211.)

1,212,478, E. J. Hall, Carbureter, suits filed May 29, 1923, C. Claims, D. C., *Hall-Scott Motor Car Co.* v. *U. S.* Same, Doc. C 695, *E. J. Hall* v. *U. S.*

1,226,985, G. F. Myers, Flying machine, suit filed June 2, 1923, C. Claims, D. C., Doc. C 700, *G. F. Myers* v. *U. S.*

1,232,301. (See S91,140.)

1,232,820. (See S41,211.)

1,244,431, Dawson & Luellen, System of mobile armament, suit filed June 15, 1923, D. C., N. D. Ill., Doc. 3589, *L. W. Luellen* v. *The Pullman Co.*

1,257,498, Lanier & Driesbach, Pastry molding and baking apparatus; 1,294,634, A. E. Dietrich, Cup-pastry-making machines; 1,416,889, L. C. Sharp, Method and means for making cup pastry; 1,417,757, W. McLaren, Apparatus for manufacturing cup pastry; 1,420,378, H. T. Ingham, same, suit filed June 14, 1923, D. C., N. D. Ill., Doc. 3588, *The McLaren Products Co.* v. *Consolidated Wafer Co.*

1,268,306. P. J. Wentworth, Folding machine; 1,278,490, J. E. McIntire, same; 1,322,591, same, Machine for wiping out bindings, suit filed July 9, 1923, D. C., W. D. N. Y., Doc. C 459, *P. R. Glass Co.* v. *The Menihan Co. et al.*

1,278,490. (See 1,268,306.)

1,289,529, W. S. Overlin, Trucks, patent not infringed, D. C., D. Oreg., *W. S. Overlin* v. *Dallas Machine & Locomotive Works.*

1,294,634. (See 1,257,498.)

1,322,591. (See 1,268,306.)

1,416,889. (See 1,257,498.)

1,417,757. (See 1,257,498.)

1,420,378. (See 1,257,498.)

1,438,541, W. McLaren, Method of making cup pastry, suit filed June 14, 1923, D. C., N. D. Ill., Doc. 3588, *The McLaren Products Co.* v. *Consolidated Wafer Co.*

1,449,102, 1,449,103, F. Hayduck, Process for the manufacture of compressed yeast; 1,449,127, Nilsson & Harrison, Process for producing yeast; 1,449,134, A. Wohl, Method of treating molasses, suit filed June 14, 1923, D. C., D. Md., Doc. E 364, *The Fleischmann Co.* v. *Federal Yeast Corp.*

1,449,103. (See 1,449,102.)

1,449,127. (See 1,449,102.)

1,449,134. (See 1,449,102.)

TRADE-MARKS

OFFICIAL GAZETTE, AUGUST 28, 1923.

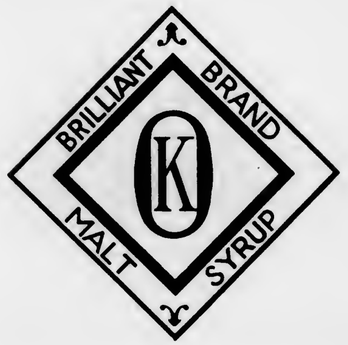
[VOL. 313. No. 4.]

The following trade-marks are published in compliance with section 6 of the act of February 20, 1905, as amended March 2, 1907. Notice of opposition must be filed within thirty days of this publication.

Marks applied for "under the ten-year proviso" are registrable under the provision in clause (b) of section 5 of said act as amended February 18, 1911.

As provided by section 14 of said act, a fee of ten dollars must accompany each notice of opposition.

Ser. No. 137,287. (CLASS 48. MALT BEVERAGES, EXTRACTS, AND LIQUORS.) LOUIS LEVY, doing business as O. K. Bottler's Supply House, New York, N. Y. Filed Sept. 17, 1920.



No claim is made to the word "Brand" and "Malt Syrup" apart from the mark shown on the drawing.

Particular description of goods.—Malt Sirup.

Claims use since Nov. 1, 1917.

Ser. No. 137,862. (CLASS 21. ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES.) SUNBEAM ELECTRIC MANUFACTURING CO., Evansville, Ind. Filed Oct. 2, 1920.

SUNBEAM
FARM-LITE

Particular description of goods.—Unitary Electric Light and Power Plants.

Claims use since July 31, 1920.

Ser. No. 140,435. (CLASS 9. EXPLOSIVES, FIREARMS, EQUIPMENTS, AND PROJECTILES.) JONKOPING OCH VULCANS TANDSTICKSFABRIKSAKTIEBOLAG, Jonkoping, Sweden. Filed Nov. 30, 1920.



No claim is made to the words "Safety Matches, Made in Sweden" apart from the trade-mark shown in the drawing, applicant reserving his common-law rights thereto.

Particular description of goods.—Matches.

Claims use since about Feb. 6, 1909.

Ser. No. 140,455. (CLASS 9. EXPLOSIVES, FIREARMS, EQUIPMENTS, AND PROJECTILES.) JONKOPING OCH VULCANS TANDSTICKSFABRIKSAKTIEBOLAG, Jonkoping, Sweden. Filed Nov. 30, 1920.



No claim is made to the words "Paraffinerade, utan svafvel och fosfor, Säkerhets-Tändstickor tända endast

mot lådans plån, Tandsticksfabrik" apart from the trade-mark shown on the drawing, applicant reserving his common-law rights thereto. The medals shown as part of the mark presented are the representation of medals received by the applicant as an award for the excellence of its goods.

Particular description of goods.—Matches.
Claims use since about Sept. 18, 1899.

Ser. No. 140,463. (CLASS 9. EXPLOSIVES, FIREARMS, EQUIPMENTS, AND PROJECTILES.) JONKOPING OCH VULCANS TANDSTICKSFABRIKSAKTIEBOLAG, Jonkoping, Sweden. Filed Nov. 30, 1920.



No claim is made to the words "Safety Match, Manufactured in Sweden," apart from the trade-mark shown on the drawing, applicant reserving his common-law rights thereto.

Particular description of goods.—Matches.
Claims use since about Sept. 23, 1898.

Ser. No. 143,501. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) KEYSTONE FRUIT PRODUCTS COMPANY, Cincinnati, Ohio. Filed Feb. 12, 1921.



No exclusive right is claimed to the representation of a keystone except in the connection shown in the drawing.

Particular description of goods.—Bakers' Vanilla, Tomato Bouillon, Marshmallow Frost, Tutti-Frutti, Cocoa Paste, Caramel Sundae, Maple-Walnut Sundae, Butterscotch Sundae.
Claims use since June 1, 1915.

Ser. No. 144,958. (CLASS 13. HARDWARE AND PLUMBING AND STEAM-FITTING SUPPLIES.) MARTIN BEHRER, doing business as Behrer & Company, New York, N. Y. Filed Mar. 19, 1921.



Particular description of goods.—Shower and Shampoo Fixtures, Curtain Rods, Receptors for Showers, Bathroom Stalls, Shower Heads, Floor Drains, Mixing Valves; Bathroom Accessories—Namely, Towel Racks and Bars, Soap Dishes, Wall Shelves, Sponge Holders, Glass Holders; Combined Glass, Toothbrush, and Soap Holders; Combined Tumbler and Soap Holders, Combined Glass and Toothbrush Holders, Brush and Comb Holders, Match Holders, Toothbrush Holders, Towel Shelves, Towel Pins, Toilet-Paper Holders, Combined Ash Tray and Cigar Rests, Coat and Hat Racks, Bathtub Seats; Iron and Brass Valves, Iron and Brass Pipes and Pipe Fittings, Faucets for Sinks, Pantry Sinks, Water-Closets, Seats for Same, Water-Closet Tanks; Valves, Ball Cocks, and Other Parts for Same; Bathtubs, Lavatories, Wash Trays, Faucets, Compression Stops, Flush Valves; Sink, Pantry, and Bath Cocks; Traps, Bathtub Fittings, Drinking Fountains, Bubbling Cups, Boiler Couplings; Basin, Bath, Sink and Wash-Tray Plugs; Strainers, Ferrules, Bushings, Slip Nuts, Spud Reducers, Expansion Bolts, Screw Anchors, Safety Valves, and Floor Plates.
Claims use since 1912.

Ser. No. 146,979. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) FERDINAND BERNARD NORDMAN, Jr., Number Nine Plantation, Volusia County, Fla. Filed Apr. 29, 1921.



No claim to the exclusive use of the word "Brand."
Particular description of goods.—Fruits in Their Natural State and Fruit Preserves, Citrous Fruits, Jellies, Marmalades, Jams, Sirups for Table Use, and Preserved, Spiced, Crystallized, and Candied Fruits.
Claims use since September, 1918.

Ser. No. 148,870. (CLASS 22. GAMES, TOYS, AND SPORTING GOODS.) THE COLSON COMPANY, Elyria, Ohio. Filed June 9, 1921.



Applicant disclaims the words "Elyria, O., U. S. A." appearing on the drawing and admits that this matter is not part of the trade-mark sought to be registered. The word "Bike" is disclaimed apart from the mark shown on the drawing.

Particular description of goods.—Toy Vehicles.
Claims use since May 10, 1921.

Ser. No. 158,843. (CLASS 39. CLOTHING.) BORGENICHT & SONS CO. INC., New York, N. Y. Filed Feb. 4, 1922.

Handy
Pandy

Particular description of goods.—Children's and Misses' Dresses.
Claims use since about Jan. 30, 1922.

Ser. No. 160,712. (CLASS 43. THREAD AND YARN.) THE LINEN THREAD COMPANY, doing business as The Finlayson Flax Spinning Co., Boston, Mass. Filed Mar. 15, 1922.



Particular description of goods.—Linen Thread.
Claims use. since January, 1875.

Ser. No. 161,273. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) PURITY CREAMERY COMPANY, Baltimore, Md. Filed Mar. 25, 1922.

GOLD SEAL

Particular description of goods.—Coffee.
Claims use since Sept. 26, 1921.

Ser. No. 161,882. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) THE HYDRO GOVERNOR CO., Sandy Hook, Conn. Filed Apr. 7, 1922.

HYDRO

Trade-mark "Hydro."
Particular description of goods.—Engine Governors.
Claims use since Mar. 16, 1922.

Ser. No. 162,216. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) THE SMITHFIELD COMPANY, INC., Smithfield, Va. Filed Apr. 12, 1922.



The shading indicates the color brown. The words "Trade-mark, Brand, Cooked Smithfield Hams" and the representation of a ham are disclaimed apart from the mark shown on the drawing.

Particular description of goods.—Raw and Cooked Hams.
Claims use since Jan. 1, 1922.

Ser. No. 162,333. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) EDWARD G. CARR, Chicago, Ill. Filed Apr. 15, 1922.

FORMGRADER

Particular description of goods.—Earth Cutting and Planing Machine.
Claims use since about August, 1920.

Ser. No. 162,349. (CLASS 39. CLOTHING.) PHILIP RICHMAN, New York, N. Y. Filed Apr. 15, 1922.



No claim is made to the word "Mink" which appears on the drawing apart from the mark.

Particular description of goods.—Fur Garments—Namely, Ladies', Misses', and Children's Fur Coats, Scarfs, and Muffs.
Claims use since Feb. 1, 1922.

Ser. No. 162,729. (CLASS 6. CHEMICALS. MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) GRACE D. EARL, Chicago, Ill. Filed Apr. 22, 1922.

Jiffi

Particular description of goods.—Face Powder, Talcum Powder, Perfume, Rouge, Hair Tonic, Hand Jellies, Nail Polish, Lip Stick, Nail Bleach, Cuticle Oil, Cuticle Cream, Cold Cream, Smelling Salts, Brilliantine, Astringent Lotions, Complexion Meal, Toilet Water, and Hand Whitener.
Claims use since Sept. 1, 1920.

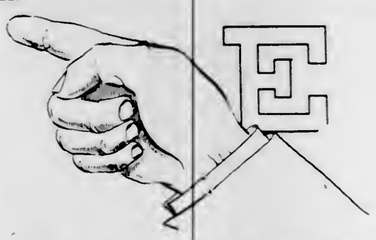
Ser. No. 162,870. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) COMLY FLANIGEN COMPANY, Philadelphia, Pa. Filed Apr. 25, 1922.

DARBY

BEST MAN CAN CAN

Particular description of goods.—Canned Fruits, Vegetables, Fish, and Pork and Beans; Dried Fruits and Vegetables in Packages and Cartons; Preserves in Glass and Cartons, and Apple Sauce and Catchup.
Claims use since on or about Apr. 1, 1880.

Ser. No. 163,647. (CLASS 39. CLOTHING.) QUAKER CITY SWEATER MILLS, Philadelphia, Pa. Filed May 10, 1922.



Particular description of goods.—Knitted Garments—Namely, Sweaters.
Claims use since June 1, 1921.

Ser. No. 163,649. (CLASS 39. CLOTHING.) QUAKER CITY SWEATER MILLS, Philadelphia, Pa. Filed May 10, 1922.

Handee

Particular description of goods.—Knitted Garments—Namely, Sweaters.
Claims use since about June 1, 1921.

Ser. No. 164,538. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) SIMON GLICKSON, Chicago, Ill. Filed May 26, 1922.

S. Glickson M.D.

The trade-mark is a facsimile of the applicant's signature.
Particular description of goods.—Medicinal Preparations and Particularly Preventive Preparations for Gonorrhea and Syphilis.
Claims use since May 20, 1922.

Ser. No. 164,606. (CLASS 12. CONSTRUCTION MATERIALS.) SU-DEX WOOD CURING COMPANY, INC., Coscob, Conn., and Brooklyn, N. Y. Filed May 27, 1922.

Su-Dex

Particular description of goods.—Wood in the Form of Lumber, Timber, and Other Forms When Treated, Processed, or Otherwise Conditioned for the Purpose of Making the Same Fireproof, Waterproof, Insectproof, and the Like.
Claims use since May 7, 1921.

Ser. No. 164,607. (CLASS 12. CONSTRUCTION MATERIALS.) SU-DEX WOOD CURING COMPANY, INC., Coscob, Conn., and Brooklyn, N. Y. Filed May 27, 1922.

SU-DEX CURED

The word "Cured" appearing on the drawing is hereby disclaimed apart from the mark as shown.
Particular description of goods.—Wood in the Form of Lumber, Timber, and Other Forms When Treated, Processed, or Otherwise Conditioned for the Purpose of Making the Same Fireproof, Waterproof, Insectproof, and the Like.
Claims use since May 7, 1921.

Ser. No. 164,831. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) RED TOP MALT EXTRACT CO., Cincinnati, Ohio. Filed June 2, 1922.

RED TOP



The drawing is line shaded to indicate red upon the letters and also upon the representation of a toy spin top.
Particular description of goods.—Malt Sirups Used for Food Purposes.
Claims use since Sept. 1, 1920.

Ser. No. 165,034. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) JULIUS R. PROCHNOW, doing business as Co-Bu-Col Company, San Antonio, Tex. Filed June 5, 1922.

CO-BU-COL

Particular description of goods.—Preparation for Inflammation of Kidney and Bladder, Cystitis, Nephritis, Backache, Lumbago, Catarrh of Bladder, Affections of the Prostate Gland, Etc.
Claims use since October, 1921.

Ser. No. 165,169. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) NORMA A. TWAITS, Jersey City, N. J. Filed June 7, 1922.

Norma Vann's
Orange Marmalade
(SWEET)
NOTE.—My Preserves are cooked in my own kitchen from ripe selected fruit and pure granulated sugar. They have the natural goodness and flavor of the fruit itself. If you like the taste—will you tell your friends?
Sincerely
Norma Vann.
299 Webster Ave. _____ Jersey City, N. J.
NET WEIGHT 10 OZ.

No claim is made to any of the reading matter except the name "Norma Vann's."
Particular description of goods.—Marmalade and Jellies.
Claims use since May 1, 1920.

Ser. No. 165,213. (CLASS 47. WINES.) SOCIETE VINICOLE DE CHAMPAGNE, Paris, France. Filed June 8, 1922. Under ten-year proviso.

G. H. Mumm & Co.

Particular description of goods.—Champagne Wine.
Claims use since May, 1853.

Ser. No. 167,353. (CLASS 1. RAW OR PARTLY-PREPARED MATERIALS.) INDUSTRIAL MOLDED MATERIALS COMPANY, North Tonawanda, N. Y., assignor to Durez Company, Inc., a Corporation of New York. Filed July 25, 1922.

"DUREZ"

Particular description of goods.—Molding Compositions Containing Resinous Ingredients.
Claims use since April, 1921.

Ser. No. 167,658. (CLASS 39. CLOTHING.) HERBERT H. ROOSA, Rochester, N. Y. Filed July 31, 1922.

"LOXIT"

Particular description of goods.—Boots and Shoes, Shoe Heels, Shoe Shanks, and Parts of Boots and Shoes Made Wholly or in Part of Leather, Canvas, Rubber, Fabric, Metallic or Textile Material, or Combinations Thereof.
Claims use since January, 1920.

Ser. No. 167,760. (CLASS 37. PAPER AND STATIONERY.) H. P. ANDREWS PAPER COMPANY, New York, N. Y. Filed Aug. 3, 1922.

DIPLOMA LEDGER

No rights are asserted to the exclusive use of the word "Ledger" apart from the trade-mark shown in the drawing.
Particular description of goods.—Ledger Paper.
Claims use since December, 1911.

Ser. No. 168,118. (CLASS 37. PAPER AND STATIONERY.) MID WEST PAPER & ENVELOPE CO., Marion, Ind. Filed Aug. 11, 1922.

Trishspun

Particular description of goods.—Writing Paper, Correspondence Envelopes, Writing Tablets, and Papeteries.
Claims use since Apr. 28, 1922.

Ser. No. 168,857. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) LOUIS SCHWAB, doing business as Stevens & Co., New York, N. Y. Filed Aug. 29, 1922.

SPEED UP

Particular description of goods.—Tools and Appliances for Readjusting, Removing, Repairing, and Replacing Parts and Portions of Automotive Vehicles, and Appliances for Removing, Repairing, and Replacing Parts and Portions of Automobile Engines, and Vehicles and Their Accessories, Particularly Reamers, Cutters, Grinders, Drills, Scrapers, Files, Punches, Taps, Dies, Jigs, Extractors, and Inserters for Bushings, Gears, and the Like; Swages, Expanders, Bearing Replacing and Repairing Appliances, Spring Lifters, Part Holders, Vises, Clamps, Grippers, and Compressors, and Lubricators.
Claims use since Apr. 20, 1921.

Ser. No. 169,160. (CLASS 19. VEHICLES, NOT INCLUDING ENGINES.) EMBLEM MANUFACTURING COMPANY, Angola, N. Y. Filed Sept. 7, 1922.



Particular description of goods.—Bicycles.
Claims use since 1915.

Ser. No. 169,316. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) MOORMAN MANUFACTURING COMPANY, Quincy, Ill. Filed Sept. 11, 1922.

Grofat

Particular description of goods.—Tonics for Animals.
Claims use since May, 1922.

Ser. No. 169,400. (CLASS 29. BROOMS, BRUSHES, AND DUSTERS.) THADDEUS P. HYATT, New York, N. Y. Filed Sept. 13, 1922.

ORAL HYGIENE

Particular description of goods.—Toilet Brushes—Namely, Toothbrushes.
Claims use since July 21, 1922.

Ser. No. 169,432. (CLASS 15. OILS AND GREASES.) AMERICAN CHEMICAL & MANUFACTURING CORPORATION, Dover, Del., and Kenilworth, N. J. Filed Sept. 14, 1922.

"HIPPO"

Particular description of goods.—Rustproofing Oils.
Claims use since Apr. 21, 1914.

Ser. No. 169,897. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) THE FLUENZOL PROPRIETARY, LTD., Wellington, New Zealand, and New York, N. Y. Filed Sept. 25, 1922.



DRIVES AWAY **INFLUENZA**

Without waiving any common-law right the exclusive use of the words "Drives Away Influenza" is disclaimed.
Particular description of goods.—Medicinal Preparation.
Claims use since Dec. 21, 1916.

Ser. No. 169,976. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) VICTOR P. KENNARD, Greenland, N. H. Filed Sept. 27, 1922.

"FARMADE"

Particular description of goods.—Jellies.
Claims use since Aug. 16, 1922.

Ser. No. 170,129. (CLASS 45. BEVERAGES, NONALCOHOLIC.) ALFRED G. EISOLD, doing business as Eisold's Flavor & Syrup Co., Milwaukee, Wis. Filed Sept. 30, 1922.

E.&E.

Particular description of goods.—Nonalcoholic, Maltless Flavoring Extract for Soft Drinks.
Claims use since Sept. 9, 1922.

Ser. No. 170,189. (CLASS 29. BROOMS, BRUSHES, AND DUSTERS.) HANLON & GOODMAN CO., New York, N. Y. Filed Oct 2, 1922.

RADIO

Particular description of goods.—Paint, Varnish, and Calcimine Brushes.
Claims use since June 26, 1922.

Ser. No. 170,349. (CLASS 37. PAPER AND STATIONERY.) BAKER, HAMILTON AND PACIFIC COMPANY, San Francisco, Calif. Filed Oct. 6, 1922.

STILETTO

Particular description of goods.—Lead Pencils and Carpenters' Pencils.
Claims use since September, 1908.

Ser. No. 170,350. (CLASS 26. MEASURING AND SCIENTIFIC APPLIANCES.) BAKER, HAMILTON AND PACIFIC COMPANY, San Francisco, Calif. Filed Oct. 6, 1922.

STILETTO

Particular description of goods.—Carpenters' Steel Squares, Family Weighing Scales, Shingling-Hatchet Gauges, Sliding T Bevels and Try-Squares.
Claims use since September, 1908, on carpenters' steel squares, shingling-hatchet gauges, and family weighing scales; since April, 1921, on sliding T bevels and try-squares.

Ser. No. 170,352. (CLASS 50. MERCHANDISE NOT OTHERWISE CLASSIFIED.) BAKER, HAMILTON AND PACIFIC COMPANY, San Francisco, Calif. Filed Oct. 6, 1922.

STILETTO

Particular description of goods.—Stepladders.
Claims use since March, 1915.

Ser. No. 171,125. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) B. HELLER & COMPANY, Chicago, Ill. Filed Oct. 24, 1922.

"A" CONDIMENTINE

Particular description of goods.—Chemical Preparation for Use in Preserving Fresh Sausage.
Claims use since August, 1911.

Ser. No. 171,127. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) B. HELLER & COMPANY, Chicago, Ill. Filed Oct. 24, 1922.

"B" CONDIMENTINE

Particular description of goods.—Chemical Preparation for Use in Preserving Smoked Sausage.
Claims use since 1911.

Ser. No. 171,136. (CLASS 39. CLOTHING.) ORENT'S DEPARTMENT STORE, INC., doing business as Sagamore Commission Co., Sagamore, Mass., and New York, N. Y. Filed Oct. 24, 1922.

SAGAMORE

Particular description of goods.—Underwear of Knitted Fabric, Summer and Winter Weights; Union Suits and Cotton, Athletic Underwear for Men in Summer Weights Only, Both Two Pieces and Union Suits.
Claims use since Sept. 9, 1922.

Ser. No. 171,434. (CLASS 39. CLOTHING.) ROBERT M. RAPHAEL, New York, N. Y. Filed Oct. 31, 1922.

BabyKins

Particular description of goods.—Infants' and Children's Wearing Apparel—Namely, Rompers, Bloomers, Bloomer Dresses, Dresses, Creepers, Overalls, Petticoats, Caps, Hats, Coats; Gloves of Leather, Fabric, or Their Combinations; Stockings, Socks, Booties; Shoes of Leather, Rubber, Fabric, or Combinations Thereof; Sweaters, Slip-ons, Sweater Suits, Dress Shirts, Negligee Shirts, Work Shirts, Undershirts, Drawers, Nightgowns, Pyjamas, Slips, Billie Burkes, Garters, and Kimonos.
Claims use since Sept. 1, 1922

Ser. No. 171,561. (CLASS 39. CLOTHING.) WESTERN FANCY GOODS COMPANY, San Francisco, Calif. Filed Nov. 3, 1922.

WESTERN

Particular description of goods.—Garters, Belts, Neckties; Men's, Ladies', and Children's Hats; Boudoir Caps, and Bathing Suits.
Claims use since 1906.

Ser. No. 171,568. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) GEORGE BOTHAMLEY, New York, N. Y. Filed Nov. 4, 1922.



Particular description of goods.—Dyestuffs.
Claims use since 1918.

Ser. No. 171,587. (CLASS 12. CONSTRUCTION MATERIALS.) NIELS ESPERSON, doing business as Mid-Continent Clay Company, Peru, Kans. Filed Nov. 4, 1922.



Particular description of goods.—Building Bricks and Roofing Tile.
Claims use since Apr. 10, 1922.

Ser. No. 171,658. (CLASS 19. VEHICLES, NOT INCLUDING ENGINES.) THE RUBAY COMPANY, Cleveland, Ohio. Filed Nov. 6, 1922.



Particular description of goods.—Gasoline Vehicles.
Claims use since Dec. 22, 1921.

Ser. No. 171,669. (CLASS 39. CLOTHING.) THE STOCKING SHOPS OF AMERICA, INC., Reading, Pa. Filed Nov. 6, 1922.



No claim made to the exclusive use of the words "Oval Stitch Hosiery" apart from the mark shown in the drawing.
Particular description of goods.—Hosiery.
Claims use since Apr. 1, 1921.

Ser. No. 171,725. (CLASS 37. PAPER AND STATIONERY.) CHICAGO PAPER COMPANY, Chicago, Ill. Filed Nov. 8, 1922.



Particular description of goods.—Paper—Namely, Plate Cover, Booklet Cover, Legal-Document Cover, Label, Blotting, Writing, Ledger, Bond, Safety, Drawing, Mimeograph, Gummed, Catalogue, Billboard Poster, Music Cover, Book, Onionskin, Loose-Leaf Filler, Ring-Book Filler, Typewriter, Rules Writing and Printing; Papeteries, Linen, Bristol Board, Card, Envelopes, and Binding.
Claims use since October, 1882.

Ser. No. 171,755. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) B. HELLER & COMPANY, Chicago, Ill. Filed Nov. 9, 1922.

HAM-ROLL-INE

Particular description of goods.—Meat-Curing Chemical Preparation Used in Making Prepared Ham or Sausage Roll.
Claims use since 1921.

Ser. No. 171,911. (CLASS 39. CLOTHING.) W. T. GRANT COMPANY, Lynn, Mass., and New York, N. Y. Filed Nov. 13, 1922.

SEW S-E-Z.

Particular description of goods.—Children's Semimade Garments—Namely, Children's Dresses Cut Out, Embroidered, and Otherwise in Condition to be Sewed Together.
Claims use since Oct. 30, 1922.

Ser. No. 172,115. (CLASS 29. CLOTHING.) C. R. MILLER MFG. CO., Fort Worth, Tex. Filed Nov. 16, 1922.

Gold Fern

Particular description of goods.—Dress Shirts of Percale, Madras, and Flannel for Men and Boys.
Claims use since Oct. 20, 1922.

Ser. No. 172,296. (CLASS 26. MEASURING AND SCIENTIFIC APPLIANCES.) THE STANLEY WORKS, New Britain, Conn. Filed Nov. 20, 1922.



The illustration of the level forms no part of the mark and is disclaimed apart from the mark as shown. The mark consists of a blackened level, side view. In the drawing there is shown a level in dotted lines for the purpose of illustrating the application of the mark.
Particular description of goods.—Levels.
Claims use since about Mar. 2, 1910.

Ser. No. 172,650. (CLASS 39. CLOTHING.) THE PARAMOUNT KNITTING COMPANY, Chicago, Ill. Filed Nov 28, 1922.

CORTEZ

The trade-mark has a secondary significance as the name of a well-known historical character.
Particular description of goods.—Textile Articles—Namely, Hosiery.
Claims use since Nov. 22, 1922.

Ser. No. 172,747. (CLASS 39. CLOTHING.) LANCASTER MILLS, Clinton, Mass. Filed Dec. 1, 1922.

KALBURNIE

Particular description of goods.—Textile Cotton Dresses for Women, Children, and Infants.
Claims use since July 21, 1921.

Ser. No. 172,753. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) MAISON BLANCHE CO., New Orleans, La. Filed Dec. 1, 1922.

Devil's Food

Particular description of goods.—Candy.
Claims use since Nov. 1, 1922.

Ser. No. 172,815. (CLASS 39. CLOTHING.) ABRAHAM & STRAUS, INC., New York, N. Y. Filed Dec. 2, 1922.

TRU-TEX

Particular description of goods.—Silk, Cotton, and Woolen Men's Underwear in Union Suits and Two-Piece Garments of Knitted and Textile Fabrics.
Claims use since Sept. 18, 1922.

Ser. No. 173,079. (CLASS 13. HARDWARE AND PLUMBING AND STEAM-FITTING SUPPLIES.) GRIPX, MANUFACTURING CO., Waunakee, Wis. Filed Dec. 8, 1922.

GRIPX

Particular description of goods.—Door-Knob Fasteners.
Claims use since Apr. 1, 1922.

Ser. No. 173,133. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) THE LAMPORT COMPANY OF TEXAS INC., Dallas, Tex. Filed Dec. 9, 1922.

TEXAS

POUND PRINTS

No claim is made to word "Texas" and "Pound Prints" apart from the mark shown on the drawing.
Particular description of goods.—Articles of Textile—Namely, Linen, Canvas, Cotton, and Sailcloth. Said Goods Are in the Piece.
Claims use since Nov. 1, 1922.

Ser. No. 173,295. (CLASS 37. PAPER AND STATIONERY.) OSBORN PAPER COMPANY, Marion, Ind. Filed Dec. 13, 1922.



The upper portion of the wing of the bird is lined for red.
Particular description of goods.—Writing Tablets, Composition Books, and Student Notebooks.
Claims use since Nov. 10, 1922.

Ser. No. 173,339. (CLASS 39. CLOTHING.) HORATIO SIMON & CO., New York, N. Y. Filed Dec. 14, 1922.

SIMON SLIM HOULDER

Particular description of goods.—Outer Garments for Female Wear—Namely, Skirts, Coats, Capes, Cloaks, Suits, Wraps, and Tailored Dresses.
Claims use since Oct. 2, 1922.

Ser. No. 173,342. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) ATKINSON, WADE & CO., New York, N. Y. Filed Dec. 15, 1922.



The exclusive use of the words "Fabrics, Sturdy and Distinctive" shown in the accompanying drawing is disclaimed except in connection with the mark as shown. The drawing is lined to indicate that the words "Markwood Fabrics" and the background of the mark are orange.

Particular description of goods.—Cretonnes, Artificial Silks, Linens, Cotton Velours, Reps, and Poplins in the Piece.

Claims use since Nov. 29, 1922.

Ser. No. 173,574. (CLASS 22. GAMES, TOYS, AND SPORTING GOODS.) A. F. MEISSELBACH MFG. CO. INC., New York, N. Y. Filed Dec. 19, 1922.

OKER

Particular description of goods.—Fishing Reels.

Claims use since on or about March, 1922.

Ser. No. 173,716. (CLASS 19. VEHICLES, NOT INCLUDING ENGINES.) NEW YORK WIRE & SPRING COMPANY, Hoboken, N. J. Filed Dec. 22, 1922.

STRONGARD

Particular description of goods.—Automobile Bumpers.

Claims use since July 15, 1922.

Ser. No. 173,826. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) M. A. GEDNEY COMPANY, Minneapolis, Minn. Filed Dec. 26, 1922.

Puritan Amber

Particular description of goods.—Vinegar.

Claims use since Nov. 1, 1922.

Ser. No. 174,042. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) UNIVERSAL WHOLESALE GROCERY CO., Chicago, Ill. Filed Dec. 30, 1922.

Universal's Best

Particular description of goods.—Canned Vegetables—viz, Tomatoes, Sweet Corn, and Peas; Canned Fruits—viz, Pineapple and Peaches; Canned Fish, Food-Flavoring Extracts, Fruit Preserves, Spices, Condiments—Namely, Tomato Catchup, Mustard, Worcestershire-Style Sauce, Pepper Sauce, Oyster-Cocktail Sauce, Chili Sauce, Red-Hot Sauce, Salad Dressing, Olives, Pickles, Pickle Products, Vinegar—and Coffee.

Claims use since Mar. 15, 1922.

Ser. No. 174,483. (CLASS 19. VEHICLES, NOT INCLUDING ENGINES.) THE PEERLESS MOTOR CAR COMPANY, Cleveland, Ohio. Filed Jan. 11, 1923.



Particular description of goods.—Motor Cars.

Claims use since latter part of August, 1922.

Ser. No. 174,742. (CLASS 38. PRINTS AND PUBLICATIONS.) HERBERT W. LAMB, doing business as Fireside Industries, La Grange, Ind. Filed Jan. 18, 1923.

FIRESIDE

Particular description of goods.—Correspondence Courses in Applied Arts, Decalcomania Transfers, and Printed Greeting Cards.

Claims use since Jan. 9, 1923.

Ser. No. 174,761. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) DAVID ADLER & SONS COMPANY, Milwaukee, Wis. Filed Jan. 19, 1923.

IRONSTONE FABRICS

The word "Fabrics" is disclaimed apart from the mark as shown upon the drawing.

Particular description of goods.—Fabrics Made of Wool and Wool Substitutes Suitable for Suits, Parts of Suits, Overcoats, Vests, Trousers, Raincoats, and Topcoats for Men's, Young Men's, Women's, Young Women's, and Children's Wear.

Claims use since July 25, 1922.

Ser. No. 174,817. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) BRAGNO & MUSTARI, doing business as Bramu Packing Co., Chicago, Ill. Filed Jan. 20, 1923.



The wording "Finissimo Per Cucina, E Insalata," "Olio Sublime," and "Bramu Packing Co." do not form a part of the registration sought apart from the mark shown in the drawing.

Particular description of goods.—Corn Oil for Salads and Cooking Purposes.

Claims use since Oct. 1, 1922.

Ser. No. 174,864. (CLASS 39. CLOTHING.) SEYMOUR ROUFF, doing business as Maison Rouff, New Orleans, La. Filed Jan. 20, 1923.



Particular description of goods.—Infants' and Young Children's Apparel Comprising Abdominal Bands for Infants' Wear as Clothing, Bath Robes, Aprons, Bonnets, Hats, Caps, Bootees, Slippers, Shoes; Moccasins of Leather, Silk, Wool, Knitted Wool, and Chamois Skin; Caps, Hats, Sacks, Wrappers, Coats, Creepers and Rompers, Pants and Drawers, Dresses, Gowns, Petticoats, Princess Slips, Earcaps, Hosiery and Socks, Hood Capes, Kimonos, Night Drawers, Nightgowns and Sleepers, Shirts, Skirts, Suits, Sweaters, Toques, Underwear, and Union Garments of Knitted and Textile Fabrics.

Claims use since Jan. 1, 1918.

Ser. No. 174,953. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) ARTHUR BEIR & CO. INC., New York, N. Y. Filed Jan. 23, 1923.

PERMADYE

Particular description of goods.—Silk, Cotton, and Wool Piece Goods, and Combinations Thereof.

Claims use since Jan. 13, 1923.

Ser. No. 175,141. (CLASS 39. CLOTHING.) GRANDE MAISON DE BLANC, INC., New York, N. Y. Filed Jan. 26, 1923. Under ten-year proviso.

GRANDE MAISON DE BLANC

Particular description of goods.—Brassières, Corsets, Camisoles, Chemises, Nightgowns, Blouses, Skirts, Waists, Gloves of Fabric and Leather, Shoes of Leather and of Fabric and Leather Combined, Wraps; Hats for Men, Women, and Children; Negligees, Bath Robes, Boudoir Caps, Boudoir Slippers of Fabric, Fabric Spats, Pyjamas, Kimonos, Knickers, Bathing Suits, Riding Habits, Girdles, Neckties, Cravats and Scarfs, Collars, Cuffs, Belts for Personal Wear, Garters, Bathing Caps, Aprons, Vestees, Ladies' and Children's Suits, Dresses, Coats, Petticoats, Dress and Negligee Shirts, Bloomers, Drawers of Textile Material, Stockings, Infants' Caps, Fabric and Leather Leggings, Woolen Mittens, Slippers, Infants' Robes for Use as Clothing, Bibs.

Claims use since about 1863.

Ser. No. 175,177. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) ACME CONE CO., Philadelphia, Pa. Filed Jan. 27, 1923.

ACME

Particular description of goods.—Cake Cones.

Claims use since Jan. 1, 1919.

Ser. No. 175,441. (CLASS 39. CLOTHING.) J. D. SILBERSTEIN & SONS, INC., New York, N. Y. Filed Feb. 2, 1923.

Clubman



Particular description of goods.—Dress Shirts.

Claims use since about July 20, 1921.

Ser. No. 175,442. (CLASS 39. CLOTHING.) J. D. SILBERSTEIN & SONS, INC., New York, N. Y. Filed Feb. 2, 1923.

J. D. S.
FAMOUS FLANNEL

No claim made to the exclusive use of the word "Flannel" apart from the mark as shown in drawing. Trade-mark consists of the words "J. D. S. Famous Flannel."
Particular description of goods.—Work Shirts.
Claims use since July 20, 1921.

Ser. No. 175,485. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) GOETZ-BERLIN CO. INC., New York, N. Y. Filed Feb. 3, 1923.

ROMO
BRAND

No claim made to the word "Brand" apart from the mark as shown in the drawing.
Particular description of goods.—Linings, Pocketings, and Interlinings of Cotton Fabric in the Piece.
Claims use since Jan. 19, 1923.

Ser. No. 175,489. (CLASS 39. CLOTHING.) GUTMAN BROS., New York, N. Y. Filed Feb. 3, 1923.



Particular description of goods.—Women's Muslin Underwear.
Claims use since Nov. 1, 1922.

Ser. No. 175,590. (CLASS 50. MERCHANDISE NOT OTHERWISE CLASSIFIED.) NEW JERSEY PAPER TUBE COMPANY, Englewood, N. J. Filed Feb. 5, 1923.



No claim made for the words "Soda Straws."
Particular description of goods.—Paper Drinking (or Soda) Straws.
Claims use since Nov. 15, 1921.

Ser. No. 175,777. (CLASS 27. HOROLOGICAL INSTRUMENTS.) JOSEPH FAHYS & COMPANY, New York, N. Y. Filed Feb. 9, 1923. Under ten-year proviso.

MONTAUK

Particular description of goods.—Watchcases.
Claims use since January, 1888.

Ser. No. 175,831. (CLASS 39. CLOTHING.) THE STYLE-CENTER TAILORING COMPANY, Cincinnati, Ohio. Filed Feb. 9, 1923.

ALL WOOL
UTA
UNITED TAILORS ASSOCIATION

No claim made to the words "All Wool" or "United Tailors Association" except in the form and association shown in the drawing.
Particular description of goods.—Overcoats, Raincoats, Coats, Vests, Trousers, Shirt Waists, Cravats, Stockings, Leggings, Boots, Shoes, and Slippers Made of Leather, Rubber, Fabric, or Combinations of These; Cloaks, Capes, and Golf, Riding, Plain, and Fancy Coats, Vests, Trousers, and Skirts.
Claims use since September, 1922.

Ser. No. 175,997. (CLASS 40. FANCY GOODS, FURNISHINGS, AND NOTIONS.) THE WILLIAM PRYM COMPANY, LIMITED, Stolberg, Germany. Filed Feb. 13, 1923.



All the wording appearing on the drawing is disclaimed with the exception of the word "Elder."
Particular description of goods.—Common Pins and Common Toilet Pins.
Claims use since May, 1922.

Ser. No. 176,053. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) WILSON TEA CO., Seattle, Wash. Filed Feb. 14, 1923.

INDIA GIRL

Particular description of goods.—Tea.
Claims use since about Oct. 3, 1921.

Ser. No. 176,054. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) WILSON TEA CO., Seattle, Wash. Filed Feb. 14, 1923.

CEYLON GIRL

Particular description of goods.—Tea.
Claims use since about Oct. 3, 1921.

Ser. No. 176,208. (CLASS 34. HEATING, LIGHTING, AND VENTILATING APPARATUS, NOT INCLUDING ELECTRICAL APPARATUS.) PATENT NOVELTY COMPANY, Fulton, Ill. Filed Feb. 17, 1923.

DIM-UR-LITE

Particular description of goods.—Glare-Shield Attachments for Automobile Headlights.
Claims use since Feb. 5, 1923.

Ser. No. 176,352. (CLASS 39. CLOTHING.) LILIENTHAL & GROSSMAN, INC., New York, N. Y. Filed Feb. 20, 1923.

Likely
L&G

Particular description of goods.—Gloves.
Claims use since Nov. 1, 1921.

Ser. No. 176,583. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) VANITY FAIR SILK MILLS, Reading, Pa. Filed Feb. 24, 1923.

Vanity Fair

Particular description of goods.—Veils and Silk Cloth in the Piece.
Claims use since Oct. 9, 1916.

Ser. No 176,608. (CLASS 39. CLOTHING.) DOE RIVER OVERALL COMPANY, Elizabethton, Tenn. Filed Feb. 26, 1923.



The words "Is Warranted Not to Rip" are disclaimed apart from the mark.
Particular description of goods.—Overalls and Overall Coats.
Claims use since Aug. 1, 1921.

Ser. No. 176,680. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) JOSEY-MILLER COMPANY, Beaumont, Tex. Filed Feb. 27, 1923.



Particular description of goods.—Horse and Mule Feed.
Claims use since Aug. 7, 1917

Ser. No. 176,709. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) THE AMERICAN COTTON OIL COMPANY, Union Township, near Guttenberg, N. J., and New York, N. Y. Filed Feb. 28, 1923. Under ten-year proviso.

WILCOX

Particular description of goods.—Edible Animal and Vegetable Oils and Fats and Combinations Thereof.
Claims use since 1879.

Ser. No. 176,879. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) CANNAN & MARSHALL, Chicago, Ill. Filed Mar. 3, 1923.



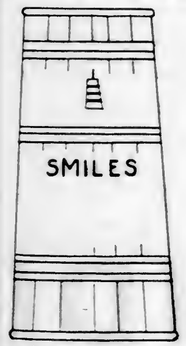
Particular description of goods.—Candy.
Claims use since Feb. 1, 1921.

Ser. No. 176,889. (CLASS 4. ABRASIVE, DETERGENT, AND POLISHING MATERIALS.) EMPIRE SOAP COMPANY, INC., New York, N. Y. Filed Mar. 3, 1923.



Particular description of goods.—Toilet Soap.
Claims use since May 12, 1922.

Ser. No. 176,890. (CLASS 4. ABRASIVE, DETERGENT, AND POLISHING MATERIALS.) EMPIRE SOAP COMPANY, INC., New York, N. Y. Filed Mar. 3, 1923.



Particular description of goods.—Toilet Soap.
Claims use since Aug. 22, 1921.

Ser. No. 177,014. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) BENJAMIN MAYER, doing business as B. Mayer, New York, N. Y. Filed Mar. 5, 1923.



Particular description of goods.—Salt for Curing Meat.
Claims use since Feb. 1, 1922.

Ser. No. 177,042. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) KOEFOED, HAUBERG, MARSTRAND & HELWEG, AKTIESELSKABET TITAN, Copenhagen, Denmark. Filed Mar. 6, 1923.

TITAN

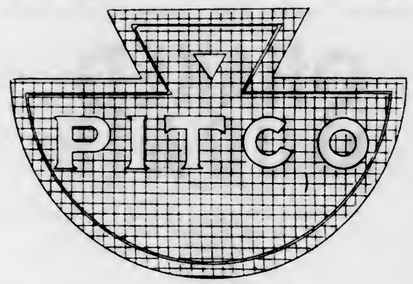
Particular description of goods.—Centrifugal Oil Purifiers or Oil Separators.
Claims use since Oct. 22, 1907.

Ser. No. 177,045 (CLASS 39. CLOTHING.) THE MEYER-WISE & KAICHEN COMPANY, Cincinnati, Ohio. Filed Mar. 6, 1923.



Particular description of goods.—Men's, Ladies', Boys', and Misses' Knitted Sweaters, Sport Coats, and Knitted Toques; Infants' Caps, Tams, Helmets, Cap and Scarf Sets, and Scarfs, Bootees, Leggings, Sacks, and Capes; and Bathing Suits for Men and Women.
Claims use since January, 1923.

Ser. No. 177,046. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) PACIFIC-ITALIAN TRADING CORPORATION, San Francisco, Calif. Filed Mar. 6, 1923.



The drawing is lined for shading only.
Particular description of goods.—Fresh and Preserved Fruits—Namely, Fresh Grapes and Dehydrated Grapes.
Claims use since Jan. 1, 1921.

Ser. No. 177,089. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) HERBERT B. LEDERER CORP., New York, N. Y. Filed Mar. 7, 1923.



The drawing is lined to indicate blue color for the ground and yellow for the words "Bonnie Thistle" above the representation of three thistles and their leaves in natural colors.
Particular description of goods.—Gingham.
Claims use since Feb. 2, 1923.

Ser. No. 177,135. (CLASS 39. CLOTHING.) MANNY-RIELLY CO., New York, N. Y. Filed Mar. 8, 1923.

MARIECO

Particular description of goods.—Knitted and Textile Underwear in One and Two Piece Garments.
Claims use since Feb. 28, 1923.

Ser. No. 177,180. (CLASS 39. CLOTHING.) FROLASET CORSET CO., Detroit, Mich. Filed Mar. 9, 1923.

Bandobelt

No claim made to the word "Belt" apart from the mark as shown in the drawing.
Particular description of goods—Corsets, Corset Waists, Brassières, Bandeaux, Girdles, and Belts for Personal Wear.
Claims use since July 1, 1919.

Ser. No. 177,188. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) MENLEY & JAMES, LIMITED, New York, N. Y. Filed Mar. 9, 1923.

IODEX

Particular description of goods.—Pessaries for Vaginal Diseases and Disorders, Suppositories for Rectal Diseases and Disorders, and a Preparation of Liquid Iodine.
Claims use since Feb. 13, 1915.

Ser. No. 177,211. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) AUTHORIZED WASSERMANN MEDICAL CORPORATION, New York, N. Y. Filed Mar. 10, 1923.

HISTOPLAST

Particular description of goods.—Medicated Plasters.
Claims use since Mar. 7, 1923.

Ser. No. 177,225. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) IDEAL CARAMEL COMPANY, INC., Johnson, N. Y. Filed Mar. 10, 1923.

FAIR PLAY

Particular description of goods.—Candies, Candy Confections, Sweetmeats, Chewing Gum.
Claims use since January, 1922.

Ser. No. 177,226. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) IDEAL CARAMEL COMPANY, INC., Johnson, N. Y. Filed Mar. 10, 1923.

THE VALLEY OF FAIR PLAY

Particular description of goods.—Candies, Candy Confections, Sweetmeats, Chewing Gum.
Claims use since January, 1922.

Ser. No. 177,268. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) BRIDGEMAN-RUSSELL CO., Duluth, Minn. Filed Mar. 12, 1923.



Without waiving any common-law rights, applicant hereby disclaims the words "Velvet," "Delicious" and "Ice Cream" apart from the mark shown in the drawing. The lining of the drawing indicates the color blue.
Particular description of goods.—Ice Cream.
Claims use since about 1906.

Ser. No. 177,275. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) LEON CLAVERIE, Paris, France. Filed Mar. 12, 1923.



Particular description of goods.—Depilatory.
Claims use since Nov. 23, 1921.

Ser. No. 177,363. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) WILLIAM CLUFF CO., Wilmington, Del., and San Francisco, Calif. Filed Mar. 13, 1923.

YOSEMITE
BRAND

The word "Brand" forms no part of the registration sought, apart from the mark shown in the drawing.
Particular description of goods.—Canned Fruits, Canned Vegetables, Olives, Pickles, Canned Oysters, Food-Flavoring Extracts, Salad Oil, Tomato Catchup, Vinegar, Tea, Coffee, and Breakfast Beverage Compound Used as a Substitute for Coffee.
Claims use since 1902.

Ser. No. 177,407. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) PURO PRODUCTS CO., Superior, Wis. Filed Mar. 13, 1923.

PURO PILE CURE

PURO PRODUCTS CO
SUPERIOR WIS

Without waiving any common-law right, applicant hereby disclaims, apart from the mark as shown, all wording.
Particular description of goods.—Pile Cure.
Claims use since Mar. 5, 1923.

Ser. No. 177,412. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) SCHWABACHER BROS. & CO., INCORPORATED, Seattle, Wash. Filed Mar. 13, 1923.

SHAKER SUGAR

The word "Sugar" forms no part of the registration sought apart from the mark shown in the drawing.
Particular description of goods.—Granulated Sugar.
Claims use since Jan. 20, 1923.

Ser. No. 177,433. (CLASS 15. OILS AND GREASES.) HARRY P. EMEIS, doing business as Stero-Oil Company, San Diego, Calif. Filed Mar. 14, 1923.

STERO-OIL

No claim made to the word "Oil" except as used in connection with "Stero."
Particular description of goods.—Lubricating and Sterilizing Medium for Dental Instruments, Primarily for Lubricating, Cleaning, and Prolonging the Life of the Instruments.
Claims use since Feb. 5, 1923.

Ser. No. 177,473. (CLASS 39. CLOTHING.) CHAMPION MANUFACTURING CO., New York, N. Y. Filed Mar. 15, 1923.

PLAYMATE

Particular description of goods.—Belts.
Claims use since about Feb. 1, 1923.

Ser. No. 177,507. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) NEUSS, HESSLEIN & COMPANY, INC., New York, N. Y. Filed Mar. 15, 1923.

CARAVAN

Particular description of goods.—Cotton Goods in the Piece.
Claims use since May 4, 1917.

Ser. No. 177,548. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) COUDURIER, FRUCTUS & DESCHER, Lyon, France, and New York, N. Y. Filed Mar. 16, 1923.

MANDARIN

Trade-mark "Mandarin."
Particular description of goods.—Velvets in the Piece.
Claims use since Apr. 22, 1921.

Ser. No. 177,605. (CLASS 39. CLOTHING.) H-M MANUFACTURING CO., Kent, Ohio. Filed Mar. 17, 1923.

SOLEUROWN

Particular description of goods.—Supplemental Waterproof Fiber Cushioning Soles for Boots and Shoes.
Claims use since Dec. 28, 1922.

Ser. No. 177,674. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) KATTULAS AND SOTOS, Williamsport, Pa. Filed Mar. 19, 1923.

SOTOLAS



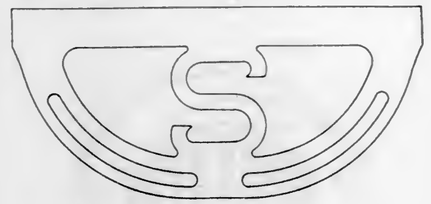
Trade-mark consists of the word "Sotolas" and a portrait of John P. Sotos.
Particular description of goods.—Medicinal Compounds for the Treatment of Rheumatism.
Claims use since Mar. 13, 1923.

Ser. No. 177,686. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) THE NATIONAL PHARMACAL COMPANY, Cleveland, Ohio. Filed Mar. 19, 1923.

RUBI-RUB

Particular description of goods.—Ointments, Salves, and Preparations for Application to the Skin for the Relief of Muscular Rheumatism, Backache, Headache, Bronchial Affections, Nasal Catarrh, and Swollen Muscles and Joints.
Claims use since Mar. 10, 1923.

Ser. No. 177,696. (CLASS 50. MERCHANDISE NOT OTHERWISE CLASSIFIED.) SAGINAW LADDER CO., LIMITED, Saginaw, Mich. Filed Mar. 19, 1923.



Particular description of goods.—Ladders.
Claims use since Oct. 12, 1922.

Ser. No. 177,721. (CLASS 45. BEVERAGES, NON-ALCOHOLIC.) ADVANCE CHEMICAL COMPANY, INC., New York, N. Y. Filed Mar. 20, 1923.

ADVANCE

Particular description of goods.—Concentrated Maltless Extract as a Material for Making Ginger Ale and Other Beverages and for the Beverages.
Claims use since Apr. 29, 1918.

Ser. No. 177,848. (CLASS 39. CLOTHING.) HUTZLER BROTHERS CO., Baltimore, Md. Filed Mar. 22, 1923.

HUTZLER BROTHERS CO.
Arch-Plus
STYLE AND COMFORT SHOES

No claim is made to the words "Style and Comfort Shoes" apart from the mark as shown on the drawing.
Particular description of goods.—Shoes Made of Leather or Fabric or a Combination of Leather and Fabric.
Claims use since Sept. 20, 1922.

Ser. No. 177,889. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) ABBOTT LABORATORIES, Chicago, Ill. Filed Mar. 23, 1923.

Arsphenamine
D.R.L.

No claim is made to the exclusive use of the word "Arsphenamine." The letters "D. R. L." appearing in the representation of the seal are the initials of Dermatological Research Laboratories, applicant's predecessor in this business.
Particular description of goods.—Arsphenamine and Neoarsphenamine.
Claims use since Dec. 15, 1919.

Ser. No. 178,009. (CLASS 35. BELTING, HOSE, MACHINERY PACKING, AND NONMETALLIC TIRES.) THE UNITED STATES METALLIC PACKING COMPANY, Philadelphia, Pa. Filed Mar. 24, 1923.



The lining shown on drawing is for shading only and has no reference to color.

Particular description of goods.—Metallic Packing for Piston and Other Rods.

Claims use since Aug. 4, 1921.

Ser. No. 178,023. (CLASS 32. FURNITURE AND UPHOLSTERY.) JOSEPH N. BORROUGHS, Oakland, Calif. Filed Mar. 26, 1923.

BORROUGHS
+ ADDITIONAL TOWEL SYSTEM +

No claim is made to the words "Borroughs Additional Towel System" apart from the mark as shown.

Particular description of goods.—Towel Cabinets.

Claims use since August, 1921.

Ser. No. 178,041. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) CLEMENT L. HUGHES, doing business as The Wiseo Co., Canton and Peoria, Ill. Filed Mar. 26, 1923.

WISEO

Particular description of goods.—Medicine for the Treatment of Leucorrhea, Ulceration of the Womb, Inflammation of the Mucous Membrane, as a Healing Antiseptic, Germicide, and Astringent.

Claims use since about Mar. 1, 1923.

Ser. No. 178,065. (CLASS 19. VEHICLES, NOT INCLUDING ENGINES.) H. SCHERER & COMPANY, Detroit, Mich. Filed Mar. 26, 1923.

KANTLEAK

No claim is made to the exclusive use of the word "Kantleak" apart from the mark shown on the drawing.

Particular description of goods.—Curtain-Window Lights and Vehicle Top Fabrics.

Claims use since Nov. 1, 1920.

Ser. No. 178,076. (CLASS 35. BELTING, HOSE, MACHINERY PACKING, AND NONMETALLIC TIRES.) THE UNITED STATES METALLIC PACKING COMPANY, Philadelphia, Pa. Filed Mar. 26, 1923.



Particular description of goods.—Metallic Packing for Piston and Other Rods.

Claims use since Oct. 15, 1921.

Ser. No. 178,089. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) G. W. CARNRICK CO., New York, N. Y. Filed Mar. 27, 1923.

AMYLZYME

Particular description of goods.—Medicinal Preparation Made from the Pancreas Gland, Used as a Digestant, and Especially Recommended for Aiding the Digestion of Starch.

Claims use since February, 1914.

Ser. No. 178,171. (CLASS 39. CLOTHING.) THE FIFTH AVENUE CORSET COMPANY, INC., Allentown, Pa. Filed Mar. 28, 1923.

Corse-Twin

Particular description of goods.—Corsets, Corselettes, and Brassières.

Claims use since Jan. 15, 1923.

Ser. No. 178,316. (CLASS 45. BEVERAGES, NON-ALCOHOLIC.) WAUKESHA SILURIAN WATER CO., also doing business as Waukesha Spring Water Company, Waukesha, Wis. Filed Mar. 29, 1923.



The word "Original" forms no part of the mark sought to be registered apart from the mark shown in the drawing.

Particular description of goods.—Still and Carbonated Water, Ginger Ale, Root Beer, Birch Beer, and Sarsaparilla.

Claims use since July 28, 1914.

Ser. No. 178,327. (CLASS 39. CLOTHING.) CAMMEYER, New York, N. Y. Filed Mar. 30, 1923.



No claim made to the representation of a shoe apart from the mark disclosed.

Particular description of goods.—Shoes of Leather, Rubber, Fabric, or Combinations of These Materials.

Claims use since Dec. 1, 1922.

Ser. No. 178,328. (CLASS 39. CLOTHING.) CAMMEYER, New York, N. Y. Filed Mar. 30, 1923.



No claim made to the representation of a shoe apart from the mark disclosed.

Particular description of goods.—Shoes of Leather, Rubber, Fabric, or Combinations of These Materials.

Claims use since Dec. 1, 1922.

Ser. No. 178,334. (CLASS 39. CLOTHING.) FAIRY SILK MILLS, Shillington, Pa. Filed Mar. 30, 1923.

faerie

Particular description of goods.—Men's, Women's, and Children's Silk Underwear and Hosiery; Men's Vests, Drawers, and Union Suits; Women's Brassières, Camisoles, Vests, Bloomers, Drawers, Chemise, Union Suits, Slips, Petticoats, Chemilets, and Hosiery, and Children's Vests, Bloomers, and Union Suits.

Claims use since Mar. 1, 1923.

Ser. No. 178,405. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) PECK & STERBA, New York, N. Y. Filed Mar. 31, 1923.

LEUCORRHOL

Particular description of goods.—Medical Preparations for Leucorrhea, Cervical Catarrh, and Cervical Inflammation.

Claims use since Feb. 14, 1923.

Ser. No. 178,412. (CLASS 39. CLOTHING.) O. L. STANARD DRY GOODS CO., Huntington, W. Va. Filed Mar. 31, 1923.



Particular description of goods.—Knitted Underwear, Nainsook Underwear, and Cotton and Wool Sweaters for Men and Women.

Claims use since Sept. 19, 1918.

Ser. No. 178,486. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) PRINCETTA WOODARD, Chattanooga, Tenn. Filed Apr. 2, 1923.



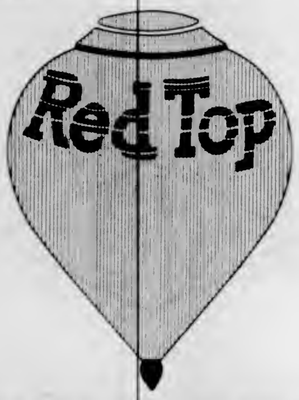
Particular description of goods.—Hair Grower, a Pressing Oil, a Temple Grower, and a Corn Salve.
Claims use since Sept. 1, 1922.

Ser. No. 178,487. (CLASS 19. VEHICLES, NOT INCLUDING ENGINES.) YELLOW CAB MANUFACTURING CO., Chicago, Ill. Filed Apr. 2, 1923.

RedTop

Particular description of goods.—Motor-Driven Vehicles—Namely, Automobile Taxicabs.
Claims use since July 25, 1922.

Ser. No. 178,488. (CLASS 19. VEHICLES, NOT INCLUDING ENGINES.) YELLOW CAB MANUFACTURING CO., Chicago, Ill. Filed Apr. 2, 1923.



Particular description of goods.—Motor-Driven Vehicles—Namely, Automobile Taxicabs.
Claims use since July 25, 1922.

Ser. No. 178,536. (CLASS 22. GAMES, TOYS, AND SPORTING GOODS.) THE UNITED STATES PLAYING CARD COMPANY, East Norwood, Cincinnati, Ohio. Filed Apr. 3, 1923.

808
脚踏車牌撲克牌

The English translation of the Chinese characters appearing on the drawing is "Foot," "Treading," "Car," "Brand," "Poker," and "Card," no claim being made to the right to the exclusive use of the Chinese characters for "Brand," "Poker," and "Card" apart from the mark shown.
Particular description of goods.—Playing Cards.
Claims use since Feb. 9, 1923.

Ser. No. 178,586. (CLASS 39. CLOTHING.) W. S. D. UNDERWEAR CO. INC., New York, N. Y. Filed Apr. 4, 1923.

"Hiart"

Trade-mark "Hiart."
Particular description of goods.—Brassières.
Claims use since Oct. 1, 1921.

Ser. No. 178,646. (CLASS 39. CLOTHING.) WALLCRAFT SHIRT CO. INC., New Haven, Conn. Filed Apr. 5, 1923.

Wallcraft

Particular description of goods.—Dress, Negligee, and Work Shirts.
Claims use since about Jan. 1, 1923.

Ser. No. 178,670. (CLASS 39. CLOTHING.) RABINER BROTHERS, Chicago, Ill. Filed Apr. 6, 1923.

Kraft-Kap

The word "Kap" is disclaimed apart from the mark shown.
Particular description of goods.—Hats and Caps.
Claims use since September, 1913.

Ser. No. 178,693. (CLASS 38. PRINTS AND PUBLICATIONS.) TEL-U-WHERE CO. OF AMERICA, Boston, Mass. Filed Apr. 6, 1923.

Tel-U-Where
Directionary

"Tel-U-Where Directionary."
Particular description of goods.—Directories Published Semiannually.
Claims use since Sept. 15, 1922.

Ser. No. 178,696. (CLASS 13. HARDWARE AND PLUMBING AND STEAM-FITTING SUPPLIES.) HELGES & BROTHER, Newark, N. J. Filed Apr. 6, 1923.



The words "Pilot-Valve" are hereby disclaimed apart from the mark shown in the drawing.
Particular description of goods.—Flush Valves, Urinal Valves, Urinal Spreaders, Urinal Strainers, Shower Strainers, Mufflers, Shower Mixing Valves, and Shut-Off Valves and Cocks.
Claims use since December, 1911.

Ser. No. 178,770. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) E. F. PLATT, doing business as Northwest Nitrox Company, Portland, Oreg. Filed Apr. 7, 1923.



Particular description of goods.—Nitrous Oxide and Medicinal Oxygen.
Claims use since Dec. 18, 1922.

Ser. No. 178,785. (CLASS 9. EXPLOSIVES, FIREARMS, EQUIPMENTS, AND PROJECTILES.) FREDERIC L. WANKLYN, Montreal, Quebec, Canada. Filed Apr. 7, 1923.

SHEKINAH

The said specific trade-mark consists of the word "Shekinah."
Particular description of goods.—Signal Fusees.
Claims use since Feb. 11, 1922.

Ser. No. 178,791. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) WHITE STOKES CO., INC., Chicago, Ill. Filed Apr. 7, 1923.

SUPERKREME

Particular description of goods.—A Semiprepared Fondant and Base in Candy and Ice Cream, a Topping for Ice-Cream Sundaes, an Icing and Filler for Pastry.
Claims use since Jan. 18, 1923.

Ser. No. 178,825. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) CHIMNEE SWEEP MANUFACTURING COMPANY, San Francisco, Calif. Filed Apr. 9, 1923.



Particular description of goods.—Dry Black Chemical Powder Used as a Soot Destroyer.
Claims use since May 24, 1922.

Ser. No. 178,844. (CLASS 39. CLOTHING.) HOLTITE MANUFACTURING COMPANY, Baltimore, Md. Filed Apr. 9, 1923.



JAX

Particular description of goods.—Rubber Heels for Shoes.
Claims use since Feb. 1, 1923.

Ser. No. 178,891. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) CHARLES B. BEMIS, Athol, Mass. Filed Apr. 10, 1923.

PLUM DUFF

Particular description of goods.—Frozen Confection.
Claims use since Mar. 20, 1923.

Ser. No. 178,894. (CLASS 39. CLOTHING.) COMMONWEALTH SHOE AND LEATHER COMPANY, Boston, Mass. Filed Apr. 10, 1923.

TRADE  MARK

No claim is made to the words "Trade-Mark" which appear on the drawing.
Particular description of goods.—Leather Boots and Shoes.
Claims use since prior to January, 1909.

Ser. No. 178,926. (CLASS 39. CLOTHING.) MICHAEL KOLBER, New York, N. Y. Filed Apr. 10, 1923.

GRAMERCY

The mark consists of the word "Gramercy."
Particular description of goods.—Men's Dress and Negligee Shirts.
Claims use since May 1, 1920.

Ser. No. 178,927. (CLASS 39. CLOTHING.) MICHAEL KOLBER, New York, N. Y. Filed Apr. 10, 1923.

TRUTH

The mark consists of the word "Truth."
Particular description of goods.—Men's Dress and Negligee Shirts.
Claims use since Mar. 30, 1923.

Ser. No. 178,939. (CLASS 16. PAINTS AND PAINTERS' MATERIALS.) STAR-PEERLESS WALL PAPER MILLS, Joliet, Ill. Filed Apr. 10, 1923.



The word "Brand" is disclaimed apart from the mark shown in the drawing.
Particular description of goods.—Ready-Mixed Paints, Varnishes, Stains, and Paint Enamels.
Claims use since Dec. 1, 1922.

Ser. No. 178,953. (CLASS 39. CLOTHING.) DOROTHY BICKUM, New York, N. Y. Filed Apr. 11, 1923.

FOLLY GIRL BASQUE

No claim is made to the word "Basque" apart from the mark shown, no common-law right being waived.
Particular description of goods.—Combined Bandeau and Girdle, Combined Brassière and Girdle, and Combined Brassière and Corselette.
Claims use since Mar. 15, 1923.

Ser. No. 179,022. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) JAMES RIKIZO YAGYU, doing business as Ohio Medicine Co., Los Angeles, Calif. Filed Apr. 11, 1923.



The Japanese characters reading "Yamabuki" and signifying the name of a flower.
Particular description of goods.—Vaginal Suppositories.
Claims use since June 1, 1915.

Ser. No. 179,029. (CLASS 39. CLOTHING.) GRACE CARLSON, St. Paul, Minn. Filed Apr. 12, 1923.

PIGGY-BIB

No claim is made to the word "Bib" apart from the mark shown.
Particular description of goods.—Bibs.
Claims use since Oct. 1, 1922.

Ser. No. 179,077. (CLASS 39. CLOTHING.) WOOD & SMITH, INC., Lewiston, Me. Filed Apr. 12, 1923.



The pictorial representation of the shoes shown in the drawing are disclaimed apart from the mark. The cross-lines which appear in the drawing are inserted for the purpose of shading only and are not intended to represent color.
Particular description of goods.—Children's Leather Shoes.
Claims use since July, 1921.

Ser. No. 179,119. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) THE WESTERN CHEMICAL CO., INC., Seattle, Wash. Filed Apr. 13, 1923.

RID-O-GERM

Particular description of goods.—Double-Acting Alkaline Hypochlorite Solution Used as a Cleanser or Detergent, a Sterilizer, a Disinfectant, a Deodorizer, a Bleaching Agent, and a Mouth Wash.
Claims use since Sept. 10, 1921.

Ser. No. 179,159. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) MINNEAPOLIS BREWING COMPANY, doing business as Kunz Preparation's Co., Minneapolis, Minn. Filed Apr. 14, 1923.

KING TUT

Particular description of goods.—Bay Rum, Witch-Hazel, Alcohol Body Rub, Medicated Grain Alcohol for Massaging Purposes (Vigotone), Face Lotions, Quinine Hair Tonic, Quinine Hair Oil, Dandruff Cure, Liquid Shampoo, Coconut-Oil Shampoo, and Toilet Water.
Claims use since Apr. 1, 1923.

Ser. No. 179,246. (CLASS 32. FURNITURE AND UPHOLSTERY.) U. S. BEDDING COMPANY, Memphis, Tenn. Filed Apr. 16, 1923.

SLEEP O' NIGHTS

Particular description of goods.—Beds, Bed Springs, and Mattresses.
Claims use since Mar. 4, 1921.

Ser. No. 179,345. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) THE ARROWAY, Chicago, Ill. Filed Apr. 19, 1923.



The words "The Aristocrat of Toilet Preparations" are hereby disclaimed apart from the mark as shown.
Particular description of goods.—Face Powder, Cold Cream, Hair Pomade, Brilliantine, Toilet Water, Perfume, Hair Tonic, Smoothing Oil for Making the Hair Lie Flat, Talcum Powder, Hair Grower in the Form of a Liquid to be Applied to the Scalp, Hair Beautifier in the Form of a Thick Liquid for Imparting Glossiness to the Hair, Pressing Oil, Scalp Stimulator in the Form of a Liquid to be Applied to the Scalp to Remove Dandruff, Hair Velvet Cream for Men Comprising a Thick Liquid for Imparting Glossiness to the Hair and Making It Lie Flat, Hair Luster Comprising a Liquid to be Applied to the Hair for Imparting Glossiness Thereto, Skin Beautifier Comprising a Combined Cream, Powder, and Rouge.
Claims use since Feb. 15, 1923.

179,374. (CLASS 38. PRINTS AND PUBLICATIONS.) THE KEYSTONE PUBLISHING CO., Philadelphia, Pa. Filed Apr. 19, 1923.

Optical Age

Particular description of goods.—Monthly Magazine.
Claims use since October, 1921.

Ser. No. 179,378. (CLASS 37. PAPER AND STATIONERY.) THE DAVID J. MOLLOY COMPANY, Chicago, Ill. Filed Apr. 19, 1923.

MOLLOY MADE

Trade-mark "Molloy-Made."
Particular description of goods.—Book and Catalogue Covers and Decorative Effects.
Claims use since Jan. 1, 1920.

Ser. No. 179,646. (CLASS 39. CLOTHING.) BERENDSEN SILK KNITTING CO., Bangor, Pa. Filed Apr. 25, 1923.

MERRIE-MAID

Trade-mark consists of the words "Merrie-Maid."
Particular description of goods.—Hosiery.
Claims use since Oct. 1, 1922.

Ser. No. 179,647. (CLASS 39. CLOTHING.) BERENDSEN SILK KNITTING CO., Bangor, Pa. Filed Apr. 25, 1923.

MERRIE-MAN

Trade-mark consists of the words "Merrie-Man."
Particular description of goods.—Hosiery.
Claims use since Oct. 1, 1922.

Ser. No. 179,723. (CLASS 39. CLOTHING.) HEIDELBERG, WOLFF & CO., New York, N. Y. Filed Apr. 26, 1923.

PLYMOCK *Coatings*



Applicant disclaims any exclusive rights to the word "Coatings" apart from the mark shown in the drawing.
Particular description of goods.—Overcoats, Raincoats, Smoking Jackets, House Coats, Norfolk Jackets, Topcoats, Golf Suits, and Sport Suits.
Claims use since on or about Feb. 1, 1923.

Ser. No. 179,738. (CLASS 38. PRINTS AND PUBLICATIONS.) NORRISTOWN HERALD PRINTING AND PUBLISHING CO., Norristown, Pa. Filed Apr. 26, 1923.

Norristown Times Herald

Particular description of goods.—Periodical Publication.
Claims use since Apr. 14, 1923.

Ser. No. 179,759. (CLASS 39. CLOTHING.) WEBER LEVY COMPANY, New York, N. Y. Filed Apr. 26, 1923.

WEBLECo

Particular description of goods.—Hosiery, Underwear for Men, Women, and Children of Knitted and Textile Fabric, and Sweaters.
Claims use since August, 1922.

Ser. No. 179,764. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) RALPH N. BRODIE, doing business as Ralph N. Brodie Co., Oakland, Calif. Filed Apr. 26, 1923.

GEAR-⚙-LITE

The lining of drawing expresses shading, no claim made to the representation of the gear apart from the mark as shown.
Particular description of goods.—Metallic and Non-metallic Gears.
Claims use since Aug. 1, 1922.

Ser. No. 179,792. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) HILLSIDE FLUOR SPAR MINES, Chicago, Ill. Filed Apr. 27, 1923.

FLUORCITE

Particular description of goods.—Foundry Flux.
Claims use since Feb. 13, 1923.

Ser. No. 179,813. (CLASS 39. CLOTHING.) CHARLES MUNTER, New York, N. Y. Filed Apr. 27, 1923.

HEALTHFORM

Particular description of goods.—Corsets, Waist Corsets, Brassières; Ladies' Underwear of Textile Fabric—Namely, Camisoles, Ladies' Vests, Chemises, Bloomers, Step-Ins, Petticoats; Ladies' Dresses; Men's Underwear of Textile Fabric—Namely, Undershirts, Union Suits, and Drawers; Men's Work Shirts; Children's, Ladies', and Men's Hats; Boys' and Men's Caps; Shirt Waists, Blouses, Silk Mufflers; Neckwear—Namely, Collars, Cuffs, and Neckties; Garters, Spats, Shirt-Sleeve Elastics, Leather and Fabric Gloves, and Sleeping Garments—Namely, Nightgowns and Pyjamas.
Claims use since Mar. 1, 1923.

Ser. No. 179,835. (CLASS 39. CLOTHING.) VAN RAALTE COMPANY, INC., New York, N. Y. Filed Apr. 27, 1923.



The representation of a stocking is disclaimed when used apart from the mark shown in the drawing. The mark consists of a white stripe placed adjacent the upper edge of the stocking.
Particular description of goods.—Hosiery.
Claims use since Nov. 10, 1920.

Ser. No. 179,848. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) SIDNEY BLUMENTHAL & CO. INC., New York, N. Y. Filed Apr. 28, 1923.

Brionella

Particular description of goods.—Pile Fabrics in the Piece.
Claims use since Mar. 28, 1923.

Ser. No. 179,859. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) DUDLEY & CO., Fairport, N. Y. Filed Apr. 28, 1923.

GOLDEN SHIELD

Particular description of goods.—Baking Powder, Bicarbonate of Soda, Gloss Starch.
Claims use since 1897.

Ser. No. 179,874. (CLASS 39. CLOTHING.) THE MARBLE MILLS, INC., Evanston, Ill. Filed Apr. 28, 1923.

EVERSNUG

Particular description of goods.—Underwear of Knitted Fabric.
Claims use since Nov. 21, 1922.

Ser. No. 179,885. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) SAWDEY & HUNT, Los Angeles, Calif. Filed Apr. 28, 1923.

IMPERIAL PEARL

Particular description of goods.—Fresh Lettuce.
Claims use since May, 1922.

Ser. No. 179,891. (CLASS 39. CLOTHING.) ALBERT O. SWITZER, Los Angeles, Calif. Filed Apr. 28, 1923.

ALTEX

Particular description of goods.—Men's, Women's, and Children's Underwear of Both Knitted and Textile Fabrics; Men's, Women's, and Children's Hosiery; Suspenders, Garters, Arm Bands, Belts for Personal Wear; Sweaters; Dress, Negligee, and Work Shirts; Collars, Ties; Caps and Hats for Men, Women, and Children.
Claims use since January, 1922.

Ser. No. 179,895. (CLASS 37. PAPER AND STATIONERY.) ROY J. TURNER, Chicago, Ill. Filed Apr. 28, 1923.

MAGIC MEMO

Applicant herewith disclaims the word "Memo" in connection with his trade-mark, but reserves same for his use together with the use of same by his assigns and legal representatives by right of his legal adoption thereof in combination with the adoption of the word "Magic."

Particular description of goods.—Writing Pads, Game Score Cards, Tabulating Pads, Computing Pads, Magic Writing Pads, Memorandum Pads, Scratch Pads, Advertising Pads and Pamphlets, Memorandum Books, Display Pads, Writing Indexes, and Memorandum Paper.

Claims use since Jan. 1, 1922.

Ser. No. 179,917. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) AMERICAN LADY CORSET COMPANY, Detroit, Mich. Filed Apr. 30, 1923.

FLEX-TEX

Particular description of goods.—Cotton Piece Goods, Silk Piece Goods, Woolen Piece Goods, Cotton and Silk Mixture Fabrics in the Piece, Cotton and Elastic Fabrics in the Piece, Silk and Elastic Fabrics in the Piece, Cotton and Silk Mixture and Elastic in the Piece; Cotton, Silk, and Mercerized Ribbon; Lingerie Ribbon, and Shoulder-Strap Ribbon.

Claims use since Mar. 1, 1923.

Ser. No. 179,923. (CLASS 39. CLOTHING.) ADOLPH BERGMAN, doing business as Osceola Knitting Mills, Philadelphia, Pa. Filed Apr. 30, 1923.

FIRST AMERICAN



Particular description of goods.—Knitted Jackets, Knitted Coats, Knitted Sweaters, Knitted Leggings, and Knitted Golf Stockings.

Claims use since January, 1923.

Ser. No. 179,938. (CLASS 39. CLOTHING.) JOHN M. HALEY & CO. INC., New York, N. Y. Filed Apr. 30, 1923.

ROYAL SCOT

SCOTLAND'S FINEST

No claim is made to the "Scotland's Finest" apart from the mark as shown.

Particular description of goods.—Stockings and Socks.

Claims use since about Dec. 1, 1922.

Ser. No. 179,952. (CLASS 16. PAINTS AND PAINTERS' MATERIALS.) THE PAINT PRODUCTS CO., Elmira, N. Y. Filed Apr. 30, 1923.

TAKOFF

Particular description of goods.—Paint and Varnish Remover.

Claims use since August, 1919.

Ser. No. 179,961. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) ISIDOR ROTHCHILD, New York, N. Y. Filed Apr. 30, 1923.

ON THE SQUARE

Particular description of goods.—Quilts and Textile Blankets.

Claims use since Apr. 10, 1923.

Ser. No. 179,974. (CLASS 39. CLOTHING.) TEX-CRAFT COMPANY, Reading, Pa. Filed Apr. 30, 1923.

TEX-CRAFT

Particular description of goods.—Hosiery.

Claims use since Apr. 23, 1923.

Ser. No. 180,093. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) M. M. WINCHELL CO., Pasadena, Calif. Filed May 2, 1923.

MAKITAN

Particular description of goods.—Preparation for the Treatment of Piles.

Claims use since Jan. 1, 1920.

Ser. No. 180,121. (CLASS 39. CLOTHING.) THE J. L. HUDSON CO., Detroit, Mich. Filed May 3, 1923.

Hudson Maid

The picture is fanciful.

Particular description of goods.—Ladies' and Misses' Dresses.

Claims use since Feb. 1, 1923.

Ser. No. 180,151. (CLASS 39. CLOTHING.) STRAWBRIDGE & CLOTHIER, Philadelphia, Pa. Filed May 3, 1923.

NON-FADO

Particular description of goods.—Men's and Boys' Outer Clothing—Namely, Suits.

Claims use since Mar. 31, 1923.

Ser. No. 180,153. (CLASS 29. BROOMS, BRUSHES, AND DUSTERS.) HOWARD D. THOMAS, doing business as Howard D. Thomas Co., Seattle, Wash. Filed May 3, 1923.

RAIN-E-DAY

Particular description of goods.—Windshield Cleaners of the Squeegee Type.

Claims use since Oct. 15, 1917.

Ser. No. 180,292. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) NO-MOR PRODUCTS CO., Los Angeles, Calif. Filed May 7, 1923.

NO-MOR FLY



Particular description of goods.—Composition in the Form of a Liquid for Exterminating Insects.

Claims use since Apr. 2, 1923.

Ser. No. 180,328. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) ARAM K. CONDRAJIAN, Fresno, Calif. Filed May 8, 1923.

EMERALD'S



REMEDY-FOR-PILES

No claim made to the use of the words "Emerald's" and "Remedy-For-Piles" apart from the mark as shown in the drawing.

Particular description of goods.—Salves and Pills Used in the Treatment of Piles.

Claims use since October, 1922.

Ser. No. 180,377. (CLASS 32. FURNITURE AND UPHOLSTERY.) THE LANE CO., INC., Altavista, Va. Filed May 9, 1923.

LANE

Standard

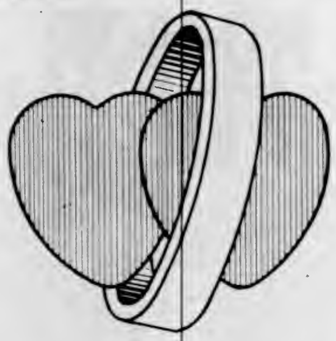
Altavista, Va.

No claim made to "Lane Standard Altavista, Va." apart from the mark as shown.

Particular description of goods.—Cedar Chests.

Claims use since July 18, 1922.

Ser. No. 180,436. (CLASS 28. JEWELRY AND PRECIOUS-METAL WARE.) HARRY E. KAPLAN, doing business as H. E. Kaplan & Co., Chicago, Ill. Filed May 10, 1923.

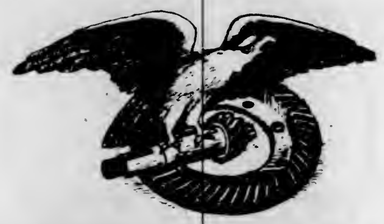


The drawing is lined to indicate the color red. No claim is made for the representation of a ring apart from the mark shown in the drawing.

Particular description of goods.—Finger Rings.

Claims use since Apr. 25, 1923.

Ser. No. 180,461. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) AMERICAN GEAR COMPANY, Jackson, Mich. Filed May 11, 1923.



The representation of a shaft and gears forms no part of the mark sought to be registered apart from the mark shown in the drawing.

Particular description of goods.—Gears and Shafts.

Claims use since Apr. 20, 1923.

Ser. No. 180,505. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) SOCIETE RODIER, Paris, France. Filed May 11, 1923.

PAVÉCLA

Particular description of goods.—Piece Goods of Silk, Cotton, and Wool, and Mixtures of the Same.

Claims use since Mar. 7, 1923.

Ser. No. 180,530. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) THE DE KLYN CANDY COMPANY, Cleveland, Ohio. Filed May 12, 1923.

BERYL

Particular description of goods.—Candy.

Claims use since Mar. 25, 1923.

Ser. No. 180,537. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) FRANK S. GREY, Sacramento, Calif. Filed May 12, 1923.



Particular description of goods.—Pills for Relief of Liver Complaint, Constipation, Biliousness, Sick Headache, Indigestion, Jaundice, Distress After Eating, Fever and Ague, La Grippe, and All Miasmic Diseases.

Claims use since Feb. 1, 1910.

Ser. No. 180,715. (CLASS 32. FURNITURE AND UPHOLSTERY.) MUSICAL PRODUCTS DISTRIBUTING CO. INC., New York, N. Y. Filed May 16, 1923.

standex
"Stands for Display"

Without waiving any common-law rights and for the purpose of this registration only, applicant hereby disclaims the exclusive right to the use of the words "Stands for Display" apart from the mark shown on the drawing.

Particular description of goods.—Phonograph-Record-Display Stand.

Claims use since about May 1, 1923.

Ser. No. 180,723. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) THE REMILLER CO., New York, N. Y. Filed May 16, 1923.

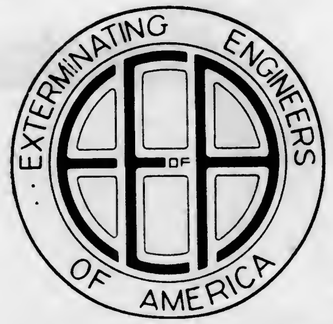


No claim is made to the exclusive use of the words "Nite Rouge" except as a part of the mark herein shown.

Particular description of goods.—Rouge.

Claims use since May 5, 1923.

Ser. No. 180,773. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) WM. S. PATJENS, doing business as The Exterminating Engineers of America, New York, N. Y. Filed May 17, 1923.



Particular description of goods.—Roach-Exterminating Poison.

Claims use since Feb. 1, 1923.

Ser. No. 180,839. (CLASS 37. PAPER AND STATIONERY.) THE J. W. BUTLER PAPER CO., Chicago, Ill. Filed May 19, 1923.

PARAMOUNT

Particular description of goods.—Wrapping Paper, Manila Paper, Envelopes, Print Book Cover, and Document Covers.

Claims use since June, 1919.

Ser. No. 180,854. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) EUGENE GALBRUN, Paris, France. Filed May 19, 1923.

PROSTHÉNASE

Particular description of goods.—Organic Solution of Iron and Manganese Combined with Peptones for Anæmia, Chlorosis, General Debility, and for Uses in Convalescence.

Claims use since 1920.

Ser. No. 180,900. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) MILTON C. SMUCKER, Chicago, Ill. Filed May 19, 1923.

SMUCKER'S
PINK-N-WHITE
M. C. S.

Particular description of goods.—Tablets for the Relief of Headache, Neuralgia, Colds, Rheumatism, and Pains in the Back.

Claims use since 1899.

Ser. No. 180,948. (CLASS 39. CLOTHING.) THE STERLING COMPANY, Chicago, Ill. Filed May 21, 1923.

"STERLING HAPPY HOME DRESSES"

The word "Dresses" is hereby disclaimed apart from the mark as shown in the drawing.

Particular description of goods.—Women's Aprons and House Dresses.

Claims use since Apr. 1, 1923.

Ser. No. 180,990. (CLASS 15. OILS AND GREASES.) UNION PETROLEUM COMPANY, Philadelphia, Pa. Filed May 22, 1923.

WILKUT

Particular description of goods.—Oils and Oiling Compositions Adapted to be Used on or Flowed Over Metal During the Milling, Turning, Cutting, Threading, Grinding, Drilling, or Other Machining of the Same for Absorbing and Radiating or Dissipating the Heat Generated By and During the Machining of Metal and for Cooling the Tools of Such Machines and for Lubricating Spindle Chambers on Fully Automatic Machines, Pneumatic Tools, and Pneumatic Compressors.

Claims use since on or about July, 1918.

Ser. No. 181,023. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) CHARLES L. GREEN, New Orleans, La. Filed May 23, 1923.

A. K.

Particular description of goods.—Hair Grower and Dandruff Preparation.

Claims use since Apr. 1, 1922.

Ser. No. 181,027. (CLASS 15. OILS AND GREASES.) THE INTEROCEAN OIL COMPANY, New York, N. Y. Filed May 23, 1923.

INTEROCEAN GASOLINE

Trade-mark consists of the words "Interocean Gasoline," no exclusive appropriation of the word "Gasoline" being claimed.

Particular description of goods.—Gasoline.

Claims use since May 1, 1922.

Ser. No. 181,038. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) JACOB MILLER'S SONS CO., Philadelphia, Pa. Filed May 23, 1923.

SHEERTEX

Particular description of goods.—Silk Goods in the Piece.
Claims use since Apr. 20, 1923.

Ser. No. 181,157. (CLASS 45. BEVERAGES, NONALCOHOLIC.) HAROLD C. WATKINS, doing business as Watkins Chemical Company, Scranton, Pa. Filed May 25, 1923.

Society PUNCH

No claim is made to the word "Punch" aside from the mark shown in the accompanying drawing.
Particular description of goods.—Nonalcoholic, Nonceral, Maltless Beverage Sold as a Soft Drink and a Sirup for Making the Same.
Claims use since about July, 1914.

Ser. No. 181,195. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) KUNST & SMALL CO., New York, N. Y. Filed May 26, 1923.

ENDURTEX

Particular description of goods.—Woolen, Mohair, Jute, Cotton, Silk, and Linen Fabrics.
Claims use since July 1, 1922.

Ser. No. 181,236. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) ASIA SALES CORPORATION, Portland, Oreg. Filed May 28, 1923.

利 YALI 雅

The Chinese character on left side is "Ya" and that on right side is "Li" making the word "Yali." It is explained that this word "Yali" means honorable, upright, dependable, progressive dealings.
Particular description of goods.—Carpets and Rugs Made of Wool and Draperies of Wool and of Silk in the Finished Product.
Claims use since April, 1921.

Ser. No. 181,245. (CLASS 37. PAPER AND STATIONERY.) CENTRAL MICHIGAN PAPER COMPANY, Grand Rapids, Mich. Filed May 28, 1923.



Particular description of goods.—Wrapping Paper, Manila Paper, Document Paper, Print Paper, Book Paper, Cover Paper, Writing Paper, Bond Paper; and Thin High-Finished Transparent Paper Suitable for Photograph Covers, Fly Leaves, Fancy Box Covers, and Half-Tone Printing; Bristol Boards, and Cardboards.
Claims use since April, 1922.

Ser. No. 181,287. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) LEIGH CHEMIST, INC., New York, N. Y. Filed May 28, 1923.

AMBAR NILE

Particular description of goods.—Perfumes.
Claims use since Apr. 18, 1923.

Ser. No. 181,345. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) LEE-STRAUSS CO., Johnstown, Pa. Filed May 29, 1923.



Particular description of goods.—Vegetable, Mineral, and Animal Products in Their Natural State and in the Form of Preparations and Ingredients of Preparations in the Form of Fluid Extracts, Tinctures, Elixirs, Wines, Sirups, Salts, Powders, Oils, Lotions, Liniments, Salves, Plasters, Alkaloids, Alcoholic Distillations and Solutions, Pills, Tablets, and Triturates for the Treatment of Diseases of the Brain, Ear, Eye, Nose, Mouth, Throat, Lungs, Bronchial Tubes, Kidneys, Liver, Bowels, Blood, Nerves, Bones, Muscles, Skin, Bladder, Glands, Spinal Cord, Larynx, Intestinal Tract, Digestive Organs, Stomach, and Spleen, Comprising Alteratives, Anaphrodisiacs, Anæsthetics, Anodynes, Antacids, Anthelmintics, Antiasthmatics, Antiblennorrhagics, Anticatarrhals, Anticephalgics, Anticoryza, Antidipsomania, Antidysenterics, Antiemetics, Antiepileptics, Antigalactogogues, Antihydrotics, Antilithics, Antimalarial, Antineuralgics, Antiphosphatics, Antipodagrics, Antiphrenetics, Antipyretics, Antirheumatics, Antiscorbutics, Antiseptics, Antisyphilitics, Antituberculars, Antizymotics, Aperients, Aphrodisiacs, Astringents, Cardiac Stimulants, Cardiac Sedatives, Carminatives, Cathartics, Counterirritants, Demulcents, Diaphoretics, Digestants, Disinfectants, Diuretics, Eliminative, Emetic, Emmenagogues, Emollients, Expectorants, Galactogogues, Gastric Stimulants, Gastric Sedatives, Germicides, Hæmatinics, Hæmostatics, Hepatic Stimulants, Hypnotics, Laxatives, Mydriatics, Myotics, Narcotics, Nerve Stimulants, Nutrients, Oxytocics, Parasiticides, Resolvents, Rubefacients, Tonics, Uterine Hæmostatics, Uterine Sedatives and Stimulants, and Vehicles for the Same.
Claims use since Apr. 15, 1920.

Ser. No. 181,352. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) SAN FRANCISCO SULPHUR CO., San Francisco, Calif. Filed May 29, 1923.

STAR

Particular description of goods.—Sulphur.
Claims use since Apr. 21, 1899.

Ser. No. 181,379. (CLASS 45. BEVERAGES, NONALCOHOLIC.) CHICAGO WHISTLE BOTTLING CO., Chicago, Ill. Filed May 31, 1923.

OH-MY!

Particular description of goods.—Nonalcoholic Maltless Soft Drinks.
Claims use since Mar. 19, 1923.

Ser. No. 181,417. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) DE CALVUS SMITH, Arkansas City, Kans. Filed May 31, 1923.

BUCKEYE



Particular description of goods.—Remedy to Prevent Hemorrhages.
Claims use since November, 1922.

Ser. No. 181,423. (CLASS 26. MEASURING AND SCIENTIFIC APPLIANCES.) GILBERT I. STADEKER, doing business as Stadeker Mfg. Co., Chicago, Ill. Filed May 31, 1923.

JUMBO

Particular description of goods.—Hydrometers.
Claims use since July, 1922.

Ser. No. 181,516. (CLASS 45. BEVERAGES, NONALCOHOLIC.) CHARLES JOHN DENNIS, doing business as Dee-Gee Co., Chicago, Ill. Filed June 4, 1923.

Dee Gee TRADE MARK

No claim is made to the words "Trade Mark."
Particular description of goods.—Nonalcoholic, Maltless Sirup Used in Making Soft Drinks.
Claims use since Apr. 3, 1923.

Ser. No. 181,625. (CLASS 45. BEVERAGES, NONALCOHOLIC.) MABEL E. VAUGHAN, doing business as Tut Manufacturing Company, Birmingham, Mich. Filed June 6, 1923.

TUT MANUFACTURING CO. BIRMINGHAM MICH.

No claim is made to the exclusive use of the words "Birmingham, Mich." appearing upon the drawing.
Particular description of goods.—Nonalcoholic, Maltless Beverage Sold as a Soft Drink.
Claims use since May 20, 1923.

Ser. No. 181,661. (CLASS 15. OILS AND GREASES.) STANDARD OIL COMPANY (NEW JERSEY), Bayonne, N. J. Filed June 7, 1923.

Pentra

Particular description of goods.—Petroleum Products, Particularly Lubricating Oils.
Claims use since Mar. 28, 1923.

Ser. No. 181,707. (CLASS 44. DENTAL, MEDICAL, AND SURGICAL APPLIANCES.) THE THOMPSON-BARLOW COMPANY, INC., New York, N. Y. Filed June 8, 1923.

AIRFLEX

Particular description of goods.—Arch Supports, Foot Cushions, Heel Cushions, Foot Pads, and Insoles for Boots and Shoes.
Claims use since May 15, 1923.

Ser. No. 181,724. (CLASS 45. BEVERAGES, NONALCOHOLIC.) VALENTIN BLATZ BREWING COMPANY, Milwaukee, Wis. Filed June 9, 1923.

Blatz

Particular description of goods.—Nonalcoholic, Maltless Carbonated Grape-Flavored Beverages.
Claims use since Apr. 10, 1923.

Ser. No. 181,800. (CLASS 39. CLOTHING.) ANDREW A. WUEST, Cincinnati, Ohio. Filed June 9, 1923.

HI- FLYER

Particular description of goods.—Men's, Women's, and Children's Hosiery.
Claims use since Mar. 8, 1923.

Ser. No. 181,838. (CLASS 32. FURNITURE AND UPHOLSTERY.) THE MARSHALL VENTILATED MATTRESS CO. LIMITED, Toronto, Ontario, Canada. Filed June 11, 1923.

WIN-SUM

Particular description of goods.—Mattresses.
Claims use since Mar. 24, 1923.

Ser. No. 181,956. (CLASS 39. CLOTHING.) LITTLE WOMEN DRESS CO., New York, N. Y. Filed June 13, 1923.

Little Women

Particular description of goods.—Ladies' Gowns, Dresses, and Costumes in One, Two, and Three Piece Garments.
Claims use since May 11, 1923.

Ser. No. 181,963. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) F. U. STEARNS & COMPANY, New York, N. Y. Filed June 13, 1923.

SUNTUB FABRICS

No claim made to the exclusive use of the word "Fabrics" apart from the mark shown in the drawing.
Particular description of goods.—Cotton Piece Goods.
Claims use since Feb. 1, 1922.

Ser. No. 181,982. (CLASS 22. GAMES, TOYS, AND SPORTING GOODS.) DAVIS & VOETSCH, New York, N. Y. Filed June 14, 1923.

DEE VEE

Particular description of goods.—Dolls and Stuffed Animals.
Claims use since May 1, 1923.

Ser. No. 182,113. (CLASS 39. CLOTHING.) POLO MANUFACTURING COMPANY, Clinton, Iowa. Filed June 16, 1923.

POLO BRAND TROUSERS

The words "Brand" and "Trousers" are disclaimed except as used in connection with the other features of the mark.
Particular description of goods.—Trousers.
Claims use since Apr. 5, 1918.

Ser. No. 182,134. (CLASS 39. CLOTHING.) THE CLIVER-WRIGHT-RAINEY CO., Cincinnati, Ohio. Filed June 18, 1923.

STONE CUTTER



"The Sock of Ages"

The word "Hose" forms no part of the registration sought, apart from the mark shown in the drawing.
Particular description of goods.—Men's, Women's, and Children's Hosiery.
Claims use since Dec. 20, 1922.

Ser. No. 182,137. CLASS 39. CLOTHING.) MILTON G. COOPER DRY GOODS CO., Los Angeles, Calif. Filed June 18, 1923.

NEPTUNE

Particular description of goods.—Knitted Bathing Suits for Men, Women, and Children.
Claims use since May 12, 1923.

Ser. No. 182,234. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) HARRY COLEMAN, London, England. Filed June 20, 1923.

TELEXTRA

Particular description of goods.—Woolen Fabrics.
Claims use since June, 1922.

Ser. No. 182,245. (CLASS 39. CLOTHING.) L. HIRSCH & SON, Brooklyn, N. Y. Filed June 20, 1923.

HAPPY LADY

Particular description of goods.—Dresses.
Claims use since Mar. 26, 1923.

Ser. No. 182,344. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) HAAS BROTHERS FABRICS CORPORATION, New York, N. Y. Filed June 22, 1923.

Gypsalante

Trade-mark "Gypsalante."
Particular description of goods.—Silk, Artificial Silk, Cotton, Linen, and Woolen Piece Goods.
Claims use since May 9, 1923.

Ser. No. 182,356. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) NEUSS, HESSLEIN & CO., INC., New York, N. Y. Filed June 22, 1923.



Particular description of goods.—Printed Cotton Piece Goods, Bleached and Gray Cotton Piece Goods, and Dyed-in-the-Yarn Cotton Piece Goods.
Claims use since May 15, 1923.

Ser. No. 182,359. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) ROUBAIX MILLS, INC., New York, N. Y. Filed June 22, 1923.



Trade-mark "Roubaix Fabrics."
Particular description of goods.—Silk, Artificial Silk, Cotton, Linen, and Woolen Piece Goods.
Claims use since May 17, 1921.

Ser. No. 182,482. (CLASS 26. MEASURING AND SCIENTIFIC APPLIANCES.) PARKS-CRAMER COMPANY, Fitchburg, Mass. Filed June 26, 1923.

PSYCHROSTAT

Particular description of goods.—Humidity Regulators.
Claims use since February, 1916.

Ser. No. 182,515. (CLASS 9. EXPLOSIVES, FIREARMS, EQUIPMENTS, AND PROJECTILES.) JOSTAM MFG. CO., Chicago, Ill. Filed June 27, 1923.

ANTI-FLINCH

Particular description of goods.—Recoil Pads for Guns.
Claims use since Mar. 13, 1915.

Ser. No. 182,572. (CLASS 3. BAGGAGE, HORSE EQUIPMENTS, PORTFOLIOS, AND POCKETBOOKS.) DIRECT METHOD COMPANY, Warren, Pa. Filed June 29, 1923.

STURDIBAG

Particular description of goods.—Traveling Bags.
Claims use since Apr. 27, 1923.

Ser. No. 182,603. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) NEW YORK MERCHANDISE COMPANY, New York, N. Y. Filed June 29, 1923.

Impies

Particular description of goods.—Handkerchiefs.
Claims use since June 19, 1923.

Ser. No. 182,679. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) WM. SIMPSON, SONS & CO., Philadelphia, Pa. Filed June 30, 1923.

SPUNGOLA

Particular description of goods.—Cotton Goods in the Piece.
Claims use since March, 1915.

Ser. No. 182,788. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) CHEROKEE SPINNING COMPANY, Knoxville, Tenn. Filed July 5, 1923.

JENNY LIND

Particular description of goods.—Cotton Piece Goods, Such as Ginghams, Shirtings, Handkerchief Cloth, and Every Kind of Cotton Piece Goods.
Claims use since May 15, 1923.

Ser. No. 182,789. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) CHEROKEE SPINNING COMPANY, Knoxville, Tenn. Filed July 5, 1923.

MEADOWBROOK

Particular description of goods.—Cotton Piece Goods, Such as Ginghams, Shirtings, Handkerchief Cloth, and Every Kind of Cotton Piece Goods.
Claims use since May 15, 1923.

Ser. No. 182,896. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) AMERICAN BLEACHED GOODS COMPANY, INC., New York, N. Y. Filed July 7, 1923.

WITCHERY

Particular description of goods.—Cotton Piece Goods.
Claims use since Jan. 16, 1914.

Ser. No. 182,919. (CLASS 43. THREAD AND YARN.) LA SOCIÉTÉ EN NOM COLLECTIF J. THIRIEZ PERE & FILS, Lille, France. Filed July 7, 1923.



Particular description of goods.—Sewing Thread.
Claims use since Jan. 15, 1868.

Ser. No. 183,055. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) THE DAVEY TREE EXPERT COMPANY, Kent, Ohio. Filed July 11, 1923.



The portrait shown in the drawing is that of John Davey, president of the Davey Tree Expert Company.
Particular description of goods.—Chemical Composition of Matter for Dressing Tree Wounds.
Claims use since about June, 1912.

Ser. No. 183,074. (CLASS 8. SMOKERS' ARTICLES, NOT INCLUDING TOBACCO PRODUCTS.) HARRY LUBIN, South Orange, N. J. Filed July 11, 1923.

PETER PUTTER

Particular description of goods.—Smokers' Supplies—viz, Pipe Racks.
Claims use since Dec. 1, 1922.

Ser. No. 183,088. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) JOSEPH SILBERSTEIN, New York, N. Y. Filed July 11, 1923.

VENUS



Particular description of goods.—Handkerchiefs.
Claims use since June 28, 1923.

Ser. No. 183,117. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) MILIUS, HESSE & LEVY, New York, N. Y. Filed July 12, 1923.

Milart

Particular description of goods.—Cotton Piece Goods.
Claims use since October, 1915.

Ser. No. 183,161. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) PENDALE WOOLEN MILLS, New York, N. Y. Filed July 13, 1923.

Cealaire

Particular description of goods.—Woolen Piece Goods.
Claims use since May 15, 1923.

Ser. No. 183,236. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) SERVICE EQUIPMENT CO., INC., New York, N. Y. Filed July 14, 1923.

RESTEASY

SEC

Particular description of goods.—Sheetings and Pillowcases.
Claims use since about July 15, 1921.

Ser. No. 183,238. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) SITROUX IMPORTING CO., INC., New York, N. Y. Filed July 14, 1923.

2 IN 1

Particular description of goods.—Hair Nets.
Claims use since July, 1920.

Ser. No. 183,336. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) GOLDING FABRICS CORPORATION, New York, N. Y. Filed July 17, 1923.

RAMASETTE

Particular description of goods.—Fabrics Made of Silk.
Claims use since June 12, 1923.

TRADE-MARK REGISTRATIONS GRANTED

[ACT OF FEBRUARY 20, 1905.]

AUGUST 28, 1923.

172,200. INFANTS' COATS. Federal Underwear Co., New York, N. Y.
Filed November 11, 1922. Serial No. 171,837. PUBLISHED MAY 29, 1923.

172,201. OIL USED IN MAKING READY-MIXED ENAMELS AND PAINTS. Geo. R. Unkefer, Inc., Chicago, Ill.
Filed November 16, 1922. Serial No. 172,135. PUBLISHED MAY 29, 1923.

172,202. OVERALLS. The Cleveland Overall Company, Cleveland, Ohio.
Filed November 18, 1922. Serial No. 172,212. PUBLISHED MAY 29, 1923.

172,203. ICE-CREAM CONES. Walter J. Hirsch Company, Chicago, Ill.
Filed November 25, 1922. Serial No. 172,584. PUBLISHED MAY 29, 1923.

172,204. REFRIGERATING AND ICE-MAKING PLANTS. Carbondale Machine Company, Carbondale, Pa.
Filed November 28, 1922. Serial No. 172,637. PUBLISHED MAY 29, 1923.

172,205. FUR COATS, FUR WRAPS AND CAPES, FUR SCARFS AND NECKPIECES, AND FUR MUFFS. Wells Treister Co., Inc., New York, N. Y.
Filed November 29, 1922. Serial No. 172,699. PUBLISHED MAY 29, 1923.

172,206. PICKLED CABBAGE. Block-Zimmerman & Company, Los Angeles, Calif.
Filed December 12, 1922. Serial No. 173,226. PUBLISHED MAY 29, 1923.

172,207. HOSIERY. Phillips & Hart, Jacksonville, Fla.
Filed December 13, 1922. Serial No. 173,297. PUBLISHED MAY 29, 1923.

172,208. HOUSE DRESSES AND APRONS. Richardson Dry Goods Company, St. Joseph, Mo.
Filed December 13, 1922. Serial No. 173,301. PUBLISHED MAY 29, 1923.

172,209. CERTAIN ARTICLES OF CLOTHING. John E. Hurst & Co. Incorporated, Baltimore, Md.
Filed December 14, 1922. Serial No. 173,327. PUBLISHED MAY 29, 1923.

172,210. PRINTING PAPER AND WRITING PAPER. The Cincinnati Cordage & Paper Co., Cincinnati, Ohio.
Filed December 16, 1922. Serial No. 173,404. PUBLISHED MAY 29, 1923.

172,211. MEN'S AND WOMEN'S SPORT CLOTHES—NAMELY, MEN'S COATS, VESTS, LONG TROUSERS, AND KNICKERBOCKERS, AND LADIES' COATS AND SKIRTS. Henry G. Warland, New York, N. Y.
Filed December 16, 1922. Serial No. 173,457. PUBLISHED MAY 29, 1923.

172,212. WOMEN'S, CHILDREN'S, AND INFANTS' COATS, CLOAKS, WRAPS, CAPES, SUITS, COSTUMES, DRESSES, WAISTS, SKIRTS, AND HATS. The Salt's Textile Manufacturing Company, Bridgeport, Conn., and New York, N. Y.
Filed December 21, 1922. Serial No. 173,676. PUBLISHED MAY 29, 1923.

172,213. SOLID BITUMINOUS MATERIAL FOR COMPOUNDING RUBBER. The Barrett Company, New York, N. Y.
Filed December 22, 1922. Serial No. 173,690. PUBLISHED MAY 29, 1923.

172,214. LIQUID BITUMINOUS MATERIAL FOR COMPOUNDING RUBBER. The Barrett Company, New York, N. Y.
Filed December 22, 1922. Serial No. 173,691. PUBLISHED MAY 29, 1923.

172,215. HOSIERY. May Hosiery Mills, doing business as Anti-Burn Hosiery Mills, Nashville, Tenn.
Filed December 26, 1922. Serial No. 173,843. PUBLISHED MAY 29, 1923.

172,216. HOSIERY. Milo Silk Hosiery Mills, Newark, N. J.
Filed December 29, 1922. Serial No. 173,973. PUBLISHED MAY 29, 1923.

172,217. TUBED ARTIST OIL PAINTS, WATER COLORS, TEMPERA, MEDIUMS FOR ARTIST OIL COLORS AND VARNISHES. Old Master Color Co., Provincetown, Mass.
Filed December 30, 1922. Serial No. 174,025. PUBLISHED MAY 29, 1923.

172,218. CERTAIN NAMED FOODS. Gihei Hamaguchi, Unakami Gun, Chiba Ken, Japan.
Filed January 11, 1923. Serial No. 174,434. PUBLISHED MAY 29, 1923.

172,219. DATES. Th. Giocalas & V. Coyimzoglu, New York, N. Y.
Filed January 11, 1923. Serial No. 174,435. PUBLISHED MAY 29, 1923.

172,220. FOOD-MIXING MACHINES AND PARTS THEREOF. Meteor Mixing Machine Co. Inc., New York, N. Y., assignor to Fitchburg Machine Works, Fitchburg, Mass., a Corporation of Massachusetts.
Filed October 7, 1922. Serial No. 170,441. PUBLISHED APRIL 17, 1923.

172,221. CIGARS. William Francis Clegg, doing business as W. F. Clegg Cigar Company, Greensboro, N. C.
Filed January 5, 1923. Serial No. 174,195. PUBLISHED MAY 29, 1923.

172,222. METAL-FIXTURE CANOPIES. Geo. W. Conner, Boston, Mass.
Filed January 6, 1923. Serial No. 174,234. PUBLISHED MAY 29, 1923.

172,223. A CERTAIN NAMED MEDICINAL PREPARATION. The Phospho-Albumen Company, Inc., Newburgh, N. Y.
Filed January 6, 1923. Serial No. 174,258. PUBLISHED APRIL 24, 1923.

172,224. MEDICINE USED IN THE TREATMENT OF DIPHTHERIA. The Smiley Company, Des Moines, Iowa.
Filed January 8, 1923. Serial No. 174,342. PUBLISHED MAY 15, 1923.

172,225. INSECTICIDE. Solomia (1922) Limited, London, England.
Filed January 8, 1923. Serial No. 174,343. PUBLISHED MAY 15, 1923.

172,226. INSECTICIDES. Carbo-Sul Corporation, New York, N. Y.
Filed January 15, 1923. Serial No. 174,609. PUBLISHED MAY 15, 1923.

172,227. ANÆSTHETIC CREAM. Parke, Davis & Company, Detroit, Mich.
Filed January 15, 1923. Serial No. 174,632. PUBLISHED MAY 1, 1923.

172,228. ANTISEPTIC MOUTH WASH AND GARGLE. Parke, Davis & Company, Detroit, Mich.
Filed January 15, 1923. Serial No. 174,633. PUBLISHED MAY 1, 1923.

172,229. PREPARATION FOR TREATMENT OF CHOLELITHIASIS AND ALLIED CONDITIONS. Parke, Davis & Company, Detroit, Mich.
Filed January 15, 1923. Serial No. 174,634. PUBLISHED MAY 1, 1923.

172,230. HAIR TONIC. Paul P. Davis, doing business as Ucoline Products Co., Cincinnati, Ohio.
Filed January 17, 1923. Serial No. 174,690. PUBLISHED MAY 15, 1923.

172,231. GINGER ALE. I. L. Flory, doing business as Elkton Lithia Bottling Company, Elkton, Va.
Filed January 17, 1923. Serial No. 174,692. PUBLISHED MAY 29, 1923.

172,232. DENTIFRICE AND PROPHYLACTIC PASTE. Charles A. L. Reed, doing business as Clifton Laboratories, Cincinnati, Ohio.
Filed January 20, 1923. Serial No. 174,860. PUBLISHED MAY 15, 1923.

172,233. MEDICINE FOR USE IN THE TREATMENT OF AILMENTS OF THE LIVER, STOMACH, AND BOWELS AND AS A BLOOD PURIFIER. The O. W. Dean Company, Benton Harbor, Mich.
Filed January 23, 1923. Serial No. 174,958. PUBLISHED MAY 15, 1923.

172,234. CEREAL BREAKFAST FOODS. Postum Cereal Company, Incorporated, New York, N. Y., and Battle Creek, Mich.
Filed January 23, 1923. Serial No. 174,976. PUBLISHED MAY 15, 1923.

172,235. MEDICATED BATH PREPARATION. Nathan S. Zucker, doing business as The Utasal Company, New York, N. Y., and Salt Lake City, Utah.
Filed January 23, 1923. Serial No. 174,984. PUBLISHED MAY 15, 1923.

172,236. BEADS. Nelson Bead Company, New York, N. Y.
Filed January 26, 1923. Serial No. 175,151. PUBLISHED MAY 8, 1923.

172,237. SAFETY PINS. Sears, Roebuck and Co., Chicago, Ill.
Filed January 27, 1923. Serial No. 175,215. PUBLISHED MAY 8, 1923.

172,238. TALCUM POWDERS. Sears, Roebuck and Co., Chicago, Ill.
Filed January 29, 1923. Serial No. 175,275. PUBLISHED MAY 22, 1923.

172,239. SOFT DRINK AND SIRUP. California Alfalfa Products Company, Pasadena, Calif.
Filed January 30, 1923. Serial No. 175,299. PUBLISHED MAY 29, 1923.

172,240. PERFUMES. George A. Sakele, doing business as Harem Perfume Co., New York, N. Y.
Filed January 31, 1923. Serial No. 175,373. PUBLISHED MAY 15, 1923.

172,241. CANDIES AND EATING CHOCOLATES. Joseph H. Schmidt, Brooklyn, N. Y.
Filed May 31, 1922. Serial No. 164,729. PUBLISHED DECEMBER 19, 1922.

172,242. JARS, CASES, AND OTHER RECEPTACLES FOR DISPLAYING, DRYING, OR OTHERWISE PRESERVING AND PROTECTING THE CONTENTS THEREOF. The Aridor Company, Chicago, Ill.
Filed May 15, 1922. Serial No. 163,850. PUBLISHED MAY 29, 1923.

172,243. CANNED CORN. F. J. Tyler, Bethel, Me.
Filed April 14, 1922. Serial No. 162,328. PUBLISHED APRIL 24, 1923.

172,244. HOOKS AND EYES, SNAP FASTENERS, SAFETY PINS, HOOK AND EYE TAPE, AND TOILET PINS. The De Long Hook and Eye Company, Philadelphia, Pa.
Filed April 5, 1922. Serial No. 161,767. PUBLISHED MAY 22, 1923.

172,245. LUBRICATING GREASE. The National Refining Company, Cleveland, Ohio.
Filed April 3, 1922. Serial No. 161,695. PUBLISHED MAY 29, 1923.

172,246. WOOL. The New Zealand Refrigerating Company Limited, Christchurch, New Zealand.
Filed March 28, 1922. Serial No. 161,380. PUBLISHED MAY 29, 1923.

172,247. READY-MIXED OR PASTE PAINT. Nitrose Company, Peoria, Ill.
Filed February 23, 1922. Serial No. 159,690½. PUBLISHED MAY 29, 1923.

172,248. HOOKS AND EYES, SNAP FASTENERS, AND SAFETY PINS. The De Long Hook and Eye Company, Philadelphia, Pa.
Filed February 15, 1922. Serial No. 159,351. PUBLISHED MAY 22, 1923.

172,249. CERTAIN KINDS OF CUTLERY OF BASE METAL. Premier Cutlery, Inc., New York, N. Y.
Filed February 8, 1922. Serial No. 159,049. PUBLISHED MAY 29, 1923.

172,250. DUST COLLECTORS. Alfred C. Goethel Co., Milwaukee, Wis.
Filed December 31, 1921. Serial No. 157,369. PUBLISHED MAY 29, 1923.

172,251. CUTLERY—VIZ. DOMESTIC AND POCKET KNIVES, COMMERCIAL AND TRADE KNIVES, HAIR CLIPPERS, RAZORS, AND SCISSORS. Wester Brothers, New York, N. Y.
Filed December 2, 1921. Serial No. 156,206. PUBLISHED MAY 29, 1923.

172,252. MOISTENERS IN THE FORM OF WATER-HOLDING BOTTLES OR CONTAINERS HAVING A SPONGE IN THE END THEREOF WHICH IS USED IN SEALING UP STATIONERY. Asa J. Buren, Cullom, Ill.
Filed November 29, 1921. Serial No. 156,048. PUBLISHED MAY 29, 1923.

172,253. ELECTRICAL SOUND AMPLIFIERS FOR PHONOGRAPHS. The Magnavox Company, Oakland, Calif.
Filed November 23, 1921. Serial No. 155,823. PUBLISHED MAY 8, 1923.

172,254. ALMOND PASTE, ALMONDS SALTED AND IN THEIR NATURAL STATE, KERNEL PASTE, MARZIPAN PASTE, BLANCHED PEANUTS, BLANCHED ALMONDS, ETC. National Almond Products Co. Inc., Brooklyn, N. Y.
Filed November 17, 1921. Serial No. 155,513. PUBLISHED MAY 29, 1923.

172,255. COFFEE. Francis S. Smith, doing business as C. B. Smith & Bro., Boston, Mass.
Filed September 28, 1921. Serial No. 153,480. PUBLISHED MAY 22, 1923.

172,256. SHOES MADE OF LEATHER, RUBBER FABRIC, AND RUBBER AND FABRIC. A. E. BROWN SHOE CO. INC., Orwigsburg, Pa.
Filed June 17, 1921. Serial No. 149,261. PUBLISHED JANUARY 9, 1923.

172,257. WRITING PAPER. HERMAN G. POHLMANN, Chicago, Ill.
Filed June 8, 1921. Serial No. 148,851. PUBLISHED MAY 29, 1923.

172,258. CERTAIN NAMED FOOD PRODUCTS. TEMTOR CORN & FRUIT PRODUCTS CO., St. Louis, Mo., assignor to Best-Clymer Company, St. Louis, Mo., a Corporation of Missouri.
Filed March 24, 1921. Serial No. 145,179. PUBLISHED AUGUST 2, 1921.

172,259. DEVICES FOR CONTROLLING THE STARTING AND STOPPING OF PHONOGRAPHIC APPARATUS. THOMAS A. EDISON, INCORPORATED, West Orange, N. J.
Filed November 11, 1920. Serial No. 139,518. PUBLISHED MAY 15, 1923.

172,260. COMPOSITION FOR STOPPING LEAKS IN TIRES AND FOR PRESERVING RUBBER. ELMER A. GARTEN, Hinton, W. Va.
Filed August 30, 1920. Serial No. 136,626. PUBLISHED MAY 29, 1923.

172,261. COVERED AND UNCOVERED WIRES FOR MILLINERY AND PERSONAL USE AND STRAW BRAIDS. THE HOLYOKE COMPANY, Holyoke, Mass.
Filed May 21, 1920. Serial No. 132,740. PUBLISHED MAY 22, 1923.

172,262. HACK-SAW FRAMES AND COPING-SAW FRAMES. CONSOLIDATED TOOL WORKS, INC., New York, N. Y.
Filed March 3, 1923. Serial No. 176,883. PUBLISHED MAY 29, 1923.

172,263. WOODEN CONTAINERS AND SHOOKS THEREFOR. CALIFORNIA BARREL CO., San Francisco, Calif.
Filed March 5, 1923. Serial No. 176,946. PUBLISHED MAY 29, 1923.

172,264. DRY-CLEANING SYSTEMS, INCLUDING THEREIN STORAGE CLARIFIERS, FILTERS, DRY-CLEANING WASHERS, AND CONNECTING PIPES. S. F. BOWSER AND COMPANY, INCORPORATED, Fort Wayne, Ind.
Filed March 7, 1923. Serial No. 177,068. PUBLISHED MAY 29, 1923.

172,265. MEDICAL AND SURGICAL APPLIANCES COMPRISING EMERGENCY OR FIRST-AID KITS AND CONTENTS. FIRST AID SPECIALTY COMPANY, INC., New York, N. Y.
Filed March 9, 1923. Serial No. 177,177. PUBLISHED MAY 29, 1923.

172,266. BOOK PAPER AND WRAPPING PAPER. WEST VIRGINIA PULP & PAPER COMPANY, New York, N. Y.
Filed March 10, 1923. Serial No. 177,256. PUBLISHED MAY 29, 1923.

172,267. WATERPROOF AUTOMOBILE AND CARRIAGE FABRIC. F. S. CARR COMPANY, Boston, Mass.
Filed March 12, 1923. Serial No. 177,273. PUBLISHED MAY 29, 1923.

172,268. CARBON PAPER. KEE LOX MANUFACTURING COMPANY, Rochester, N. Y.
Filed March 13, 1923. Serial No. 177,384. PUBLISHED MAY 15, 1923.

172,269. STRINGED MUSICAL INSTRUMENTS THAT ARE EITHER PLUCKED OR BOWED OR FRETTED STRINGED INSTRUMENTS, THE PARTS OF SUCH INSTRUMENTS, AND STRINGS THEREFOR. H. A. WEYMANN & SON, INC., Philadelphia, Pa.
Filed March 15, 1923. Serial No. 177,534. PUBLISHED MAY 15, 1923.

172,270. STRINGED MUSICAL INSTRUMENTS THAT ARE EITHER PLUCKED OR BOWED OR FRETTED STRINGED INSTRUMENTS, THE PARTS OF SUCH INSTRUMENTS, AND STRINGS THEREFOR. H. A. WEYMANN & SON, INC., Philadelphia, Pa.
Filed March 15, 1923. Serial No. 177,535. PUBLISHED MAY 15, 1923.

172,271. CURRENCY STRAPS OF $500 DENOMINATIONS. SPURGIN MANUFACTURING COMPANY, Chicago, Ill.
Filed March 16, 1923. Serial No. 177,575. PUBLISHED MAY 29, 1923.

172,272. PRINTING INKS. THE QUEEN CITY PRINTING INK COMPANY, Cincinnati, Ohio.
Filed March 17, 1923. Serial No. 177,619. PUBLISHED MAY 15, 1923.

172,273. GASOLINE AND LIQUID GAUGES. THE MARVEL PRODUCTS COMPANY, Cleveland, Ohio.
Filed March 19, 1923. Serial No. 177,682. PUBLISHED MAY 29, 1923.

172,274. DEVICES FOR MASSAGING OR EXERCISING THE HUMAN BODY. THOMAS LAWTON, New York, N. Y.
Filed March 22, 1923. Serial No. 177,851. PUBLISHED MAY 29, 1923.

172,275. OVERALLS, SHIRTS, PANTS OR TROUSERS, COATS, ONE-PIECE WORK SUITS, PLAY SUITS. THE ROBT. KRAUSE CO., Davenport, Iowa.
Filed November 7, 1922. Serial No. 171,701. PUBLISHED MAY 29, 1923.

172,276. SHOES MADE OF LEATHER AND ALSO OF COMBINATIONS OF LEATHER AND FABRIC. THE SACHS SHOE MANUFACTURING COMPANY, Cincinnati, Ohio.
Filed October 20, 1922. Serial No. 170,993. PUBLISHED MAY 29, 1923.

172,277. CASINGS AND TIRES, HOSE AND TUBINGS, RELINERS, INNER TUBES, INSIDE TIRE SLEEVES, BELTS AND BELTING, ALL MADE WHOLLY OR PARTLY OF RUBBER. THE FEDERAL RUBBER COMPANY OF ILLINOIS, Chicago, Ill., and Cudahy, Wis.
Filed October 16, 1922. Serial No. 170,760. PUBLISHED MAY 22, 1923.

172,278. DOMESTIC GAS RANGES. DETROIT CITY GAS CO., Detroit, Mich.
Filed September 30, 1922. Serial No. 170,128. PUBLISHED MAY 29, 1923.

172,279. CORSETS. F. P. HOY, INC., New York, N. Y.
Filed September 27, 1922. Serial No. 169,972. PUBLISHED MAY 29, 1923.

172,280. MEN'S NECKTIES. PARKER-BRIDGET COMPANY, Washington, D. C.
Filed September 22, 1922. Serial No. 169,818. PUBLISHED MAY 29, 1923.

172,281. KNIT SWEATERS. DANIEL STARR, doing business as Starr Knitting Mill, Brooklyn, N. Y.
Filed September 6, 1922. Serial No. 169,141. PUBLISHED MAY 29, 1923.

172,282. SHOES MADE OF LEATHER AND FABRIC OR A COMBINATION OF LEATHER AND FABRIC. THOMSON-CROOKER SHOE COMPANY, Boston, Mass.
Filed September 2, 1922. Serial No. 169,037. PUBLISHED DECEMBER 19, 1922.

172,283. STRAW HATS FOR MEN, WOMEN, AND CHILDREN. CARADINE HARVEST HAT COMPANY, St. Louis, Mo.
Filed September 2, 1922. Serial No. 168,999. PUBLISHED MAY 29, 1923.

172,284. HARNESS. HENRY BLAKE HARNESS COMPANY, Chicago, Ill., assignor to Babson Bros., Chicago, Ill., a Corporation of Illinois.
Filed August 16, 1922. Serial No. 168,292. PUBLISHED MAY 29, 1923.

172,285. WOVEN BELTING, HOSE, ETC. WM. E. HOOPER & SONS CO., Woodberry, Md.
Filed August 12, 1922. Serial No. 168,152. PUBLISHED MAY 29, 1923.

172,286. SALT-WATER TAFFY. THEO. J. LAPPES, INC., Atlantic City, N. J.
Filed August 3, 1922. Serial No. 167,777. PUBLISHED MAY 29, 1923.

172,287. FOODSTUFFS PRESERVED IN HERMETICALLY-SEALED CONTAINERS, AS FOLLOWS: VEGETABLES, HOMINY, FRUITS, AND OYSTERS. THE W. H. KILLIAN CO., Baltimore, Md.
Filed July 21, 1922. Serial No. 167,179. PUBLISHED MAY 8, 1923.

172,288. CHOCOLATE CANDY. MAATSCHAPPIJ TOT EXPLOITATIE VAN RADEMAKER'S KONINKLIJKE CACAO EN CHOCOLADEFABRIEKEN, The Hague, Netherlands.
Filed July 6, 1922. Serial No. 166,533. PUBLISHED MAY 1, 1923.

172,289. CERTAIN NAMED FRESH FRUITS AND VEGETABLES. J. PRATT CARROLL, INC., doing business as Sebastian Packing Co., New York, N. Y.
Filed July 1, 1922. Serial No. 166,347. PUBLISHED MAY 29, 1923.

172,290. DRESS SHIELDS. THE CANFIELD RUBBER COMPANY, Bridgeport, Conn.
Filed June 30, 1922. Serial No. 166,292. PUBLISHED MAY 15, 1923.

172,291. PAINT ENAMELS. JOHN C. BURRIS, Nashville, Tenn.
Filed June 23, 1922. Serial No. 165,911. PUBLISHED MAY 29, 1923.

172,292. HATS FOR WOMEN. JULIUS TOFIAS & BRO., Boston, Mass.
Filed June 22, 1922. Serial No. 165,898. PUBLISHED MAY 29, 1923.

172,293. LEATHER SHOES. THE MENIHAN COMPANY, doing business as Arch Aid Shoe Co., Rochester, N. Y.
Filed June 9, 1922. Serial No. 165,259. PUBLISHED DECEMBER 19, 1922.

172,294. PRINTING INKS. THE QUEEN CITY PRINTING INK COMPANY, Cincinnati, Ohio.
Filed March 22, 1923. Serial No. 177,865. PUBLISHED MAY 15, 1923.

172,295. PRINTING INKS. THE QUEEN CITY PRINTING INK COMPANY, Cincinnati, Ohio.
Filed March 22, 1923. Serial No. 177,866. PUBLISHED MAY 15, 1923.

172,296. APPARATUS FOR GENERATING AND DIFFUSING VAPORIZED GERMICIDES OR DISINFECTANTS. NEWTON, CHAMBERS & CO. LIMITED, near Sheffield, England.
Filed March 23, 1923. Serial No. 177,922. PUBLISHED MAY 29, 1923.

172,297. TOILET PAPER. PERKINS & BUTLER, INC., Worcester, Mass.
Filed March 24, 1923. Serial No. 177,990. PUBLISHED MAY 29, 1923.

172,298. NEEDLES FOR HAND SEWING. JOHN JAMES & SONS LIMITED, Redditch, England.
Filed March 27, 1923. Serial No. 178,104. PUBLISHED MAY 22, 1923.

172,299. LEAD PENCILS. BLAISDELL PENCIL COMPANY, Philadelphia, Pa.
Filed March 29, 1923. Serial No. 178,212. PUBLISHED MAY 29, 1923.

172,300. PAPER FOR TRADING STAMPS, COUPONS, SAFETY PAPER, WRAPPING, BOOK COVERS, AND CHECKS. EUREKA SPECIALTY PRINTING COMPANY, INCORPORATED, Scranton, Pa.
Filed March 29, 1923. Serial No. 178,240. PUBLISHED MAY 29, 1923.

172,301. ELECTRIC VACUUM CLEANER. BIRTMAN ELECTRIC COMPANY, Chicago, Ill.
Filed February 1, 1923. Serial No. 175,380. PUBLISHED MAY 29, 1923.

172,302. GOLF CLUBS, GOLF BALLS, GOLF BAGS, GOLF IRONS, AND GOLF TEES. DAVID RHYS GRIFFITHS, doing business as Donaldson & Co., Glasgow, Scotland.
Filed February 1, 1923. Serial No. 175,390. PUBLISHED MAY 29, 1923.

172,303. MINERAL WATER. WILLIAM H. THURMAN, Van Buren, Ark.
Filed February 1, 1923. Serial No. 175,415. PUBLISHED MAY 29, 1923.

172,304. RADIO EQUIPMENT, AND MORE PARTICULARLY FOR CONDENSERS. THE C. D. POTTER CO., Stamford, Conn.
Filed February 2, 1923. Serial No. 175,437. PUBLISHED MAY 29, 1923.

172,305. BED SPRINGS. CLEVELAND WIRE SPRING COMPANY, doing business as Ohio Spring Bed Company, Cleveland, Ohio.
Filed February 3, 1923. Serial No. 175,466. PUBLISHED MAY 15, 1923.

172,306. SPRAYERS FOR SPRAYING VEGETATION. THE FERGUSON MANUFACTURING COMPANY, Suffolk, Va.
Filed February 3, 1923. Serial No. 175,479. PUBLISHED MAY 29, 1923.

172,307. CIGARS. ISIDORE YERESHEFSKY, doing business as I & Y Cigar Company, New York, N. Y.
Filed February 3, 1923. Serial No. 175,494. PUBLISHED MAY 29, 1923.

172,308. VARIOMETERS AND VARIOCOUPLERS. G. H. FISCHER & CO., Glendale, N. Y.
Filed February 5, 1923. Serial No. 175,549. PUBLISHED MAY 29, 1923.

172,309. RADIO RECTIFIERS AND RADIO CAT WHISKERS. RUSONITE PRODUCTS CORPORATION, New York, N. Y.
Filed February 8, 1923. Serial No. 175,739. PUBLISHED MAY 29, 1923.

172,310. RADIO APPARATUS—NAMELY, RECEIVING SETS, ASSEMBLED AND UNASSEMBLED, AND PARTS THEREOF. THE SAYRE-LEVEL RADIO COMPANY, Philadelphia, Pa.
Filed February 8, 1923. Serial No. 175,741. PUBLISHED MAY 29, 1923.

172,311. REPAIR PARTS FOR AGRICULTURAL MACHINERY AND IMPLEMENTS. HENRY & ALLEN, Auburn, N. Y.
Filed February 9, 1923. Serial No. 175,790. PUBLISHED MAY 29, 1923.

172,312. PLAYING CARDS. RUSSELL PLAYING CARD CO., Milltown, N. J.
Filed February 12, 1923. Serial No. 175,948. PUBLISHED MAY 29, 1923.

172,313. SAWS. SIMONDS SAW AND STEEL COMPANY, Fitchburg, Mass.
Filed February 12, 1923. Serial No. 175,957. PUBLISHED MAY 29, 1923.

172,314. SAWS. SIMONDS SAW AND STEEL COMPANY, Fitchburg, Mass.
Filed February 12, 1923. Serial No. 175,958. PUBLISHED MAY 29, 1923.

172,315. ICE SKATES. THE SAMUEL WINSLOW SKATE MFG. CO., Worcester, Mass.
Filed February 12, 1923. Serial No. 175,975. PUBLISHED MAY 29, 1923.

172,316. SAWS. SIMONDS SAW AND STEEL COMPANY, Fitchburg, Mass.
Filed February 13, 1923. Serial No. 176,000. PUBLISHED MAY 29, 1923.

172,317. ELECTRICAL LIGHTING FIXTURES. ST. LOUIS BRASS MANUFACTURING COMPANY, St. Louis, Mo.
Filed February 17, 1923. Serial No. 176,226. PUBLISHED MAY 29, 1923.

172,318. SPEED REDUCERS, SHAFT COUPLINGS, FRICTION CLUTCHES, HOISTS, JACKS, AND CRANES. PALMER-BEE COMPANY, Detroit, Mich.
Filed February 20, 1923. Serial No. 176,359. PUBLISHED MAY 29, 1923.

172,319. ELECTRON TUBES, SOCKETS FOR ELECTRON TUBES, RHEOSTATS, AMPLIFIERS, AND RADIO RECEIVING SETS. THE CONNECTICUT TELEPHONE & ELECTRIC COMPANY, INCORPORATED, Meriden, Conn.
Filed February 21, 1923. Serial No. 176,400. PUBLISHED MAY 29, 1923.

172,320. COTTON GINS AND COTTON-GIN MACHINERY. THE MURRAY COMPANY, Dallas, Tex.
Filed February 21, 1923. Serial No. 176,419. PUBLISHED MAY 29, 1923.

172,321. BUCKLES AND BELT LINKS, BOTH FOR PERSONAL WEAR AND NOT MADE OF PRECIOUS METAL. EDWARD ABRAHAM, doing business as Abraham & Co., New York, N. Y.
Filed February 26, 1923. Serial No. 176,589. PUBLISHED MAY 8, 1923.

172,322. DEVICES FOR PREVENTING SHIRTS FROM CREEPING UP. THE SHIRT SNUBBERS COMPANY, Toledo, Ohio.
Filed February 24, 1923. Serial No. 176,577. PUBLISHED MAY 8, 1923.

172,323. PHONES FOR USE WITH RADIO APPARATUS. MARINETTE ELECTRIC CORPORATION, Marinette, Wis.
Filed February 26, 1923. Serial No. 176,635. PUBLISHED MAY 29, 1923.

172,324. SOFT DRINKS AND SIRUP. THE MOUQUIN RESTAURANT AND WINE COMPANY, LIMITED, New York, N. Y.
Filed February 27, 1923. Serial No. 176,686. PUBLISHED MAY 29, 1923.

172,325. SOFT DRINKS AND SIRUP. WESTCHESTER BOTTLING WORKS, New Rochelle, N. Y.
Filed February 27, 1923. Serial No. 176,700. PUBLISHED MAY 29, 1923.

172,326. COMPOUNDED OIL CONSISTING OF PINE OIL, ROSIN, PITCH, ROSIN OIL, AND PETROLEUM. HERCULES POWDER COMPANY, Wilmington, Del.
Filed March 2, 1923. Serial No. 176,834. PUBLISHED MAY 8, 1923.

172,327. SAFETY PINS. THE AMERICAN PIN COMPANY, Waterbury, Conn.
Filed March 7, 1923. Serial No. 177,061. PUBLISHED MAY 8, 1923.

172,328. GOLF BALLS. MORRIS GOLF BALL MANUFACTURING COMPANY, Wimbledon, England.
Filed March 7, 1923. Serial No. 177,098. PUBLISHED MAY 29, 1923.

172,329. SPARK PLUGS. T. & H. NICHOLS, Nutley, N. J.
Filed March 7, 1923. Serial No. 177,101. PUBLISHED MAY 29, 1923.

172,330. STORAGE BATTERIES. WHITE CAP BATTERY MFG. CO., Owensboro, Ky.
Filed March 8, 1923. Serial No. 177,157. PUBLISHED MAY 29, 1923.

172,331. A GAME. ALDERMAN, FAIRCHILD CO., Rochester, N. Y.
Filed March 10, 1923. Serial No. 177,206. PUBLISHED MAY 29, 1923.

172,332. GAME KNOWN AS "YATTEAU," A TABLE GAME PLAYED WITH PIECES AND MARKED CUBES OR ROTARY COUNTER. ALDERMAN, FAIRCHILD CO., Rochester, N. Y.
Filed March 10, 1923. Serial No. 177,207. PUBLISHED MAY 29, 1923.

172,333. LUBRICATING OILS, LUBRICATING GREASE, AND GASOLINE. AMERICAN REFINING AND MANUFACTURING COMPANY, Los Angeles, Calif.
Filed March 12, 1923. Serial No. 177,261. PUBLISHED MAY 29, 1923.

172,334. DOLLS. LENORE BOATRIGHT, San Francisco, Calif.
Filed March 19, 1923. Serial No. 177,649. PUBLISHED MAY 29, 1923.

172,335. CERTAIN NAMED BRAIDS. F. W. WOOLWORTH CO., Watertown and New York, N. Y.
Filed March 21, 1923. Serial No. 177,807. PUBLISHED MAY 8, 1923.

172,336. INSULATED WIRE AND CABLES. THE KERITE INSULATED WIRE & CABLE COMPANY, INC., Seymour, Conn., and New York, N. Y.
Filed March 27, 1923. Serial No. 178,107. PUBLISHED MAY 29, 1923.

172,337. CRYSTALS OR MINERALS FOR USE IN WIRELESS TELEGRAPHY AND WIRELESS TELEPHONY APPARATUS. RADIO MINERAL COMPANY, Newark, N. J.
Filed March 29, 1923. Serial No. 178,281. PUBLISHED MAY 29, 1923.

172,338. DOLLS. LOLA CARRIER WORRELL, doing business as The Flapper Novelty Doll Co., New York, N. Y.
Filed April 5, 1923. Serial No. 178,652. PUBLISHED MAY 29, 1923.

172,339. GOLF BALLS. JORDAN MARSH COMPANY, Boston, Mass.
Filed April 10, 1923. Serial No. 178,923. PUBLISHED MAY 29, 1923.

172,340. TWINE. ORCHARD PAPER COMPANY, St. Louis, Mo.
Filed April 12, 1923. Serial No. 179,053. PUBLISHED MAY 29, 1923.

172,341. DOLLS. SEIGENBERG & SHER, Los Angeles, Calif.
Filed April 12, 1923. Serial No. 179,062. PUBLISHED MAY 29, 1923.

172,342. ENAMEL FOR GENERAL USE. EDWARD E. ALLEN MFG. CO., Chicago, Ill.
Filed April 13, 1923. Serial No. 179,079. PUBLISHED MAY 29, 1923.

172,343. READY-MIXED HOUSE PAINT FOR BOTH INSIDE AND OUTSIDE USE. EDWARD E. ALLEN MFG. CO., Chicago, Ill.
Filed April 13, 1923. Serial No. 179,081. PUBLISHED MAY 29, 1923.

172,344. FLOOR PAINT. EDWARD E. ALLEN MFG. CO., Chicago, Ill.
Filed April 13, 1923. Serial No. 179,080. PUBLISHED MAY 29, 1923.

172,345. PREPARATION FOR RHEUMATISM AND PAINS OF ALL KINDS, CRAMPS, FRESH AND OLD CUTS, AND SORES. GUSTINO SCIANNA, Lafayette, La.
Filed November 29, 1922. Serial No. 172,688. PUBLISHED MAY 1, 1923.

172,346. PILLOWS AND CUSHIONS. SUNSET FEATHER CO., San Francisco, Calif.
Filed December 4, 1922. Serial No. 172,911. PUBLISHED MAY 1, 1923.

172,347. CHEMICAL PREPARATIONS USED IN THE CURING OF MEAT. B. HELLER & COMPANY, Chicago, Ill.
Filed December 6, 1922. Serial No. 172,992. PUBLISHED MAY 15, 1923.

172,348. COMBS MADE OF HARD RUBBER FOR DRESSING, ORNAMENTING, AND CLEANING THE HAIR. AMERICAN HARD RUBBER COMPANY, Hempstead and New York, N. Y.
Filed December 7, 1922. Serial No. 173,024. PUBLISHED MAY 15, 1923.

172,349. HAIR CARPET CUSHIONS AND HAIR SEAT CUSHIONS. AMERICAN HAIR FELT CO., Chicago, Ill.
Filed December 8, 1922. Serial No. 173,066. PUBLISHED MAY 1, 1923.

172,350. HAIR LOTIONS AND SKIN CREAMS. SARA R. GLASSMIRE, doing business as Wm. Glassmire's, Philadelphia, Pa.
Filed December 13, 1922. Serial No. 173,283. PUBLISHED MAY 15, 1923.

172,351. CHEMICAL, MEDICAL, AND PHARMACEUTICAL PREPARATION FOR REMOVING HAIR FROM THE HUMAN BODY. RALPH ROSE, doing business as Ralph Roesze, Zion City, Ill.
Filed December 13, 1922. Serial No. 173,299. PUBLISHED MAY 1, 1923.

172,352. CHEMICAL DEODORIZING PREPARATION. FOUKE FUR COMPANY, St. Louis, Mo.
Filed December 14, 1922. Serial No. 173,325. PUBLISHED MAY 15, 1923.

172,353. DINING-ROOM FURNITURE. THE BOCKSTEGE FURNITURE CO., Evansville, Ind.
Filed December 15, 1922. Serial No. 173,347. PUBLISHED MAY 8, 1923.

172,354. PINS AND HAIRPINS NOT OF PRECIOUS METAL, SAFETY PINS, ELASTICS, AND HAIR NETS. ALLER BROTHERS, Chicago, Ill.
Filed December 16, 1922. Serial No. 173,390. PUBLISHED MAY 15, 1923.

172,355. FACIAL CREAMS. THE MEDICRAFT COMPANY, Cleveland, Ohio.
Filed December 16, 1922. Serial No. 173,433. PUBLISHED MAY 15, 1923.

172,356. CLEANSING AND FINISHING CREAM, TOILET WATERS, PERFUMES, SACHET POWDER, FACE POWDER, TALCUM POWDER, ROUGE COMPACT. GRANT WATKINS CO., INC., Boston, Mass.
Filed December 18, 1922. Serial No. 173,483. PUBLISHED MAY 15, 1923.

172,357. MEDICINE USED IN THE TREATMENT OF ASTHMA, BRONCHITIS, TUBERCULOSIS, AND WHOOPING COUGH. PHILIP RAYMOND, Boston, Mass.
Filed December 18, 1922. Serial No. 173,532. PUBLISHED MAY 15, 1923.

172,358. DEODORANT AND DISINFECTANT. U. S. SANITARY SPECIALTIES CORPORATION, Chicago, Ill.
Filed December 18, 1922. Serial No. 173,544. PUBLISHED MAY 1, 1923.

172,359. CEDAR CHEST. ED. ROOS COMPANY OF FOREST PARK, Forest Park, Ill.
Filed December 21, 1922. Serial No. 173,675. PUBLISHED May 1, 1923.

172,360. ZEOLITES AND BASE-EXCHANGE WATER-SOFTENING AGENTS. H. S. B. W.-COCHRANE CORPORATION, Philadelphia, Pa.
Filed December 27, 1922. Serial No. 173,888. PUBLISHED APRIL 17, 1923.

172,361. TOY DOLLS AND TOY ANIMALS. JULIA WHITTEMORE TORREY, New York, N. Y.
Filed December 27, 1922. Serial No. 173,907. PUBLISHED MAY 29, 1923.

172,362. TAKE-DOWN TABLES. GEORGE EDWARD TOMLINSON, Winchester, Ky.
Filed December 28, 1922. Serial No. 173,943. PUBLISHED MAY 1, 1923.

172,363. PREPARATION FOR THE TREATMENT OF HAIR AND SCALP. FLORIE DE ZON, Detroit, Mich.
Filed January 3, 1923. Serial No. 174,130. PUBLISHED MAY 15, 1923.

172,364. ARTICLE OF FURNITURE IN THE NATURE OF A COSTUMER. NIGHTRACK MANUFACTURING COMPANY, Huntington, W. Va.
Filed January 4, 1923. Serial No. 174,185. PUBLISHED MAY 1, 1923.

172,365. CERTAIN NAMED TOILET AND MEDICINAL PREPARATIONS. HUBERT C. CAREL, doing business as The Benetol Company, Minneapolis, Minn.
Filed May 15, 1922. Serial No. 163,859. PUBLISHED MAY 15, 1923.

172,366. CRUDE OIL, GASOLINE, AND KEROSENE. CHARLES F. KELLOM, doing business as Chas. F. Kellom & Co., Philadelphia, Pa.
Filed April 6, 1922. Serial No. 161,840. PUBLISHED MAY 29, 1923.

172,367. ELECTRIC MOTORS. GENERAL ELECTRIC COMPANY, Schenectady, N. Y.
Filed March 24, 1922. Serial No. 161,182. PUBLISHED MAY 29, 1923.

172,368. DRY, READY-MIXED, AND PASTE PAINTS; PUTTY, LINSEED OIL, TURPENTINE, PAINT PIGMENTS, PAINT COLORS. HARRY W. WEBSTER, doing business as Decorators Wall Paper Co., Toledo, Ohio.
Filed March 18, 1922. Serial No. 160,908. PUBLISHED APRIL 3, 1923.

172,369. POULTICE PLASTERS FOR PIMPLES AND BOILS. HAROLD W. BOUCK, doing business as Harold W. Bouck Company, Chicago, Ill.
Filed March 9, 1922. Serial No. 160,390. PUBLISHED MAY 1, 1923.

172,370. MATTRESSES. THE STEARNS & FOSTER COMPANY, Lockland, Ohio.
Filed March 2, 1922. Serial No. 160,094. PUBLISHED MAY 8, 1923.

172,371. SKIN-CLEANSING TONIC AND MASSAGE CREAM. PACQUIN, INC., New York, N. Y.
Filed February 25, 1922. Serial No. 159,813. PUBLISHED OCTOBER 10, 1922.

172,372. PORCH CHAIRS, PORCH ROCKERS, AND SETTEES. HAROLD A. PEART, doing business as Sprague & Carleton, Keene, N. H.
Filed January 30, 1922. Serial No. 158,646. PUBLISHED MAY 15, 1923.

172,373. PORCH CHAIRS, PORCH ROCKERS, AND SETTEES. HAROLD A. PEART, doing business as Sprague & Carleton, Keene, N. H.
Filed January 30, 1922. Serial No. 158,645. PUBLISHED MAY 15, 1923.

172,374. ASBESTOS LIQUID ROOF COATING IN THE NATURE OF A PAINT. THE FRANKLIN PAINT COMPANY, Cleveland, Ohio.
Filed January 17, 1922. Serial No. 158,038. PUBLISHED OCTOBER 3, 1922.

172,375. LINIMENTS. THE EDGAR CHEMICAL COMPANY, Cleveland, Ohio.
Filed January 3, 1922. Serial No. 157,417. PUBLISHED MAY 1, 1923.

172,376. NAPHTHALENE SOLVENT FOR GAS MAINS AND SERVICES. NORTHWESTERN BLAUGAS COMPANY, St. Paul, Minn.
Filed December 12, 1921. Serial No. 156,593. PUBLISHED MAY 15, 1923.

172,377. ANTISEPTIC FOR THE PREVENTION OF VENEREAL DISEASES. FREDERICK M. NAUMANN, doing business as F. M. Naumann Company, Cleveland, Ohio.
Filed November 30, 1921. Serial No. 156,105. PUBLISHED APRIL 3, 1923.

172,378. LIP STICKS, FACE POWDERS, ROUGE, COMPACT POWDERS, AND TALCUM POWDER. THE RIESER COMPANY, New York, N. Y.
Filed November 16, 1921. Serial No. 155,449. PUBLISHED FEBRUARY 21, 1922.

172,379. CERTAIN NAMED PORTABLE SECTIONAL PARTITIONS OF WOOD AND GLASS. UNIT CONSTRUCTION COMPANY, Philadelphia, Pa.
Filed August 22, 1921. Serial No. 152,049. PUBLISHED MAY 1, 1923.

172,380. CERTAIN NAMED PORTABLE SECTIONAL PARTITIONS OF WOOD AND GLASS. UNIT CONSTRUCTION COMPANY, Philadelphia, Pa.
Filed August 22, 1921. Serial No. 152,048. PUBLISHED MAY 1, 1923.

172,381. LADIES' HATS AND HAT FRAMES FOR LADIES' HATS. AMSTERDAM, BORGOS & ADAMS, New York, N. Y.
Filed January 20, 1921. Serial No. 142,459. PUBLISHED MAY 17, 1921.

172,382. CERTAIN NAMED TOILET PREPARATIONS. THE LABORATORY SPECIALTY COMPANY, Cincinnati, Ohio.
Filed December 17, 1920. Serial No. 141,229. PUBLISHED MAY 15, 1923.

172,383. SNAP FASTENERS. RADEN BROS., New York, N. Y.
Filed October 22, 1920. Serial No. 138,690. PUBLISHED MARCH 8, 1921.

172,384. DEHYDRATED SOUP MIXTURE, DEHYDRATED VEGETABLES, DEHYDRATED FRUITS, DEHYDRATED FISH, AND DEHYDRATED MEATS. THE ANHYDROUS FOOD PRODUCTS CO., Chicago, Ill.
Filed August 23, 1920. Serial No. 136,346. PUBLISHED APRIL 10, 1923.

172,385. HANDBALLS. HEINRICH SCHNEZLER, Schaffhausen, Switzerland.
Filed October 5, 1922. Serial No. 170,342. PUBLISHED MAY 29, 1923.

172,386. HAND MIRRORS (EXCEPT PRECIOUS METAL), PICTURE FRAMES. E. I. DU PONT DE NEMOURS & COMPANY, Wilmington, Del.
Filed October 3, 1922. Serial No. 170,239. PUBLISHED MAY 8, 1923.

172,387. OINTMENT FOR RHEUMATISM. JAMES E. STAVROS, West Orange, N. J.
Filed September 25, 1922. Serial No. 169,936. PUBLISHED MAY 1, 1923.

172,388. PERIODICALS PUBLISHED FROM TIME TO TIME. WM. H. WOOD, Forest Hills, N. Y., assignor to Wm. H. Wood, trustee, Forest Hills, N. Y.
Filed September 14, 1922. Serial No. 169,462. PUBLISHED DECEMBER 19, 1922.

172,389. BASEBALLS AND SPORTING GOODS. ALPHEN, INC., New York, N. Y.
Filed September 9, 1922. Serial No. 169,232. PUBLISHED MAY 29, 1923.

172,390. BRAID FOR USE IN MAKING BRAIDED RUGS. AMERICAN WEBBING COMPANY, Providence, R. I.
Filed August 26, 1922. Serial No. 168,703. PUBLISHED MAY 8, 1923.

172,391. CATHARTIC MEDICAL COMPOUND. ILLINOIS MEDICINE CO., Chicago, Ill.
Filed August 16, 1922. Serial No. 168,313. PUBLISHED MAY 1, 1923.

172,392. NATURAL CLAY PREPARED FOR USE IN CLEANSING THE SKIN AND PORES. OVERLAND PHARMACY CO., Boise, Idaho.
Filed August 14, 1922. Serial No. 168,121. PUBLISHED MAY 15, 1923.

172,393. CERTAIN NAMED MEDICINAL PREPARATIONS. THE BLACKBURN PRODUCTS CO., Dayton, Ohio.
Filed July 31, 1922. Serial No. 167,595. PUBLISHED MAY 1, 1923.

172,394. ABSORBENT COTTON, GAUZE BANDAGES, SANITARY NAPKINS, AND PLAIN GAUZE. ABRAHAM RADETZKY, doing business as Gotham Aseptic Laboratories, New York, N. Y.
Filed July 28, 1922. Serial No. 167,535. PUBLISHED MARCH 27, 1923.

172,395. TOILET CREAMS, PERFUMES, TOILET WATERS, TOILET LOTIONS, FACE POWDERS, AND TALCUM POWDERS. THE E. C. HARLEY COMPANY, Dayton, Ohio.
Filed July 26, 1922. Serial No. 167,398. PUBLISHED JANUARY 23, 1923.

172,396. TOILET CREAMS, PERFUMES, TOILET WATERS, TOILET LOTIONS, FACE POWDERS, AND TALCUM POWDERS. THE E. C. HARLEY COMPANY, Dayton, Ohio.
Filed July 26, 1922. Serial No. 167,397. PUBLISHED JANUARY 23, 1923.

172,397. INSULATORS, SPLIT INSULATORS, ASSEMBLED SPLIT INSULATORS, AND KNOBS. ILLINOIS ELECTRIC PORCELAIN COMPANY, Macomb, Ill.
Filed July 25, 1922. Serial No. 167,354. PUBLISHED MAY 29, 1923.

172,398. LUBRICATING OILS AND GASOLINE. APEX MOTOR FUEL AND LUBRICANT CO., Chicago, Ill.
Filed July 21, 1922. Serial No. 167,156. PUBLISHED MAY 29, 1923.

172,399. ELECTRIC AUTOMOBILE LAMPS. AMERICAN AUTO LAMP CO. INC., New York, N. Y.
Filed June 16, 1922. Serial No. 165,600. PUBLISHED MAY 29, 1923.

172,400. CHAMPAGNE WINE. SOCIETE VINICOLE DE CHAMPAGNE, Paris, France.
Filed June 8, 1922. Serial No. 165,214. PUBLISHED MAY 29, 1923.

172,401. CLASPS FOR ARM BANDS. THE ANSONIA O & C Co., Ansonia, Conn.
Filed June 6, 1922. Serial No. 165,053. PUBLISHED MAY 1, 1923.

172,402. CHILDREN'S UNDERGARMENTS. THE FAIR, Chicago, Ill.
Filed June 3, 1922. Serial No. 164,882. PUBLISHED OCTOBER 31, 1922.

172,403. RADIO RECEIVING SETS AND PARTS THEREOF. HORNE MANUFACTURING CO., Jersey City, N. J.
Filed May 23, 1922. Serial No. 164,317. PUBLISHED MAY 29, 1923.

172,404. BOX SPRINGS. INTERNATIONAL BEDDING CO. INC., Baltimore, Md.
Filed May 18, 1922. Serial No. 164,049. PUBLISHED MAY 15, 1923.

172,405. LEATHERS. HUNT-RANKIN LEATHER CO., Boston, Mass.
Filed January 11, 1923. Serial No. 174,450. PUBLISHED MAY 29, 1923.

172,406. PAPER USED FOR PRINTING BONDS, CHECKS, DRAFTS, AND SIMILAR COMMERCIAL USE. THE J. C. HALL COMPANY, Providence, R. I.
Filed January 15, 1923. Serial No. 174,616. PUBLISHED MAY 29, 1923.

172,407. PHONOGRAPHS. GOLDENOLA TALKING MACHINE CO., Los Angeles, Calif.
Filed January 18, 1923. Serial No. 174,732. PUBLISHED MAY 15, 1923.

172,408. CHOCOLATE COATING. IDEAL COCOA & CHOCOLATE CO., Lititz, Pa., and New York, N. Y.
Filed January 18, 1923. Serial No. 174,741. PUBLISHED MAY 29, 1923.

172,409. CHOCOLATE COATING. IDEAL COCOA & CHOCOLATE CO., Lititz, Pa., and New York, N. Y.
Filed January 19, 1923. Serial No. 174,781. PUBLISHED MAY 29, 1923.

172,410. HAME TRIMMINGS AND SADDLERY HARDWARE. U. S. HAME COMPANY, Buffalo, N. Y.
Filed March 29, 1923. Serial No. 178,311. PUBLISHED MAY 29, 1923.

172,411. RECEPTACLES FOR CARBOYS. HERCULES CARBOY BOX COMPANY, Newark, N. J.
Filed March 30, 1923. Serial No. 178,342. PUBLISHED MAY 29, 1923.

172,412. MANICURE SETS, INCLUDING SCISSORS AND CUTICLES. JULIUS RICHTER, doing business as Globe Import Co., New York, N. Y.
Filed April 5, 1923. Serial No. 178,627. PUBLISHED MAY 29, 1923.

172,413. CORE OILS. AMERICAN HOMINY COMPANY, Chicago, Ill.
Filed April 6, 1923. Serial No. 178,655. PUBLISHED MAY 29, 1923.

172,414. VARNISH. MAC GORDON, doing business as Saigo Varnish Works, New York, N. Y.
Filed April 7, 1923. Serial No. 178,721. PUBLISHED MAY 29, 1923.

172,415. COATED PAPER ADAPTED ESPECIALLY FOR USE FOR COATED PAPERS TO BE PRINTED OR LITHOGRAPHED. MCLAURIN-JONES CO., Brookfield, Mass.
Filed April 7, 1923. Serial No. 178,761. PUBLISHED MAY 22, 1923.

172,416. WRITING AND DRAWING SURFACES. STEWART CORPORATION, Chicago, Ill.
Filed April 9, 1923. Serial No. 178,879. PUBLISHED MAY 29, 1923.

172,417. WAXED PAPER. THE HAMERSLEY MANUFACTURING COMPANY, New York, N. Y.
Filed April 10, 1923. Serial No. 178,920. PUBLISHED MAY 29, 1923.

172,418. MEDICINE FOR CERTAIN NAMED AILMENTS. MIKE UBS, Elgin, Nebr.
Filed June 11, 1923. Serial No. 181,874.

172,419. CHOCOLATE COATING. IDEAL COCOA & CHOCOLATE CO., Lititz, Pa., and New York, N. Y.
Filed January 19, 1923. Serial No. 174,782. PUBLISHED MAY 29, 1923.

172,420. CANDY. CHOCOLATE PRODUCTS COMPANY, Wilmington, Del., and Baltimore, Md.
Filed January 22, 1923. Serial No. 174,890. PUBLISHED MAY 29, 1923.

172,421. COAL. ROCK LICK SMOKELESS COAL COMPANY, Beckley, W. Va.
Filed January 23, 1923. Serial No. 174,977. PUBLISHED MAY 29, 1923.

172,422. MEDICAL AND SURGICAL APPLIANCES ESPECIALLY ADAPTED FOR THE TREATMENT OF DISEASES OF THE EYE, EAR, NOSE, AND THROAT AND FOR OPERATIONS THEREON AND FOR ANATOMICAL SPECIMENS AND MODELS. PFAU'S AMERICAN INSTRUMENTS CO., New York, N. Y.
Filed January 24, 1923. Serial No. 175,024. PUBLISHED MAY 15, 1923.

172,423. ANTISEPTIC DRESSINGS AND PLAIN ABSORBENT AND MEDICATED COTTON AND PLAIN AND MEDICATED GAUZES, COTTONS, AND BANDAGES. THE DEANE PLASTER CO., Yonkers, N. Y.
Filed January 31, 1923. Serial No. 175,347. PUBLISHED MAY 29, 1923.

172,424. TOOLS FOR KITCHEN USE IN THE HANDLING OF HOT ARTICLES SUCH AS PANS AND COVERS THEREFOR, POT COVERS, TOASTED BREAD, ETC. JAMES P. MCBRIDE, Brooklyn, N. Y.
Filed January 31, 1923. Serial No. 175,364. PUBLISHED MAY 29, 1923.

172,425. METAL-PUNCHING TOOLS AND DIES. WHITNEY METAL TOOL COMPANY, Rockford, Ill.
Filed February 5, 1923. Serial No. 175,586. PUBLISHED MAY 29, 1923.

172,426. TEMPERATURE-INDICATING DEVICE FOR GAS ENGINES. PYRENE MANUFACTURING CO., Newark, N. J.
Filed February 8, 1923. Serial No. 175,736. PUBLISHED MAY 29, 1923.

172,427. DEVICES FOR COMPUTING AND MEASURING FABRICS. YARD-O-METER CORPORATION, St. Louis, Mo.
Filed February 10, 1923. Serial No. 175,904. PUBLISHED MAY 29, 1923.

172,428. SAXOPHONE AND CLARINET REEDS. GEORGE E. LEFEBVRE, Cleveland, Ohio.
Filed February 17, 1923. Serial No. 176,195. PUBLISHED MAY 15, 1923.

172,429. ARC AND ELECTRIC WELDING GOGGLES. WILLIAM C. ADAMS CO., Boston, Mass.
Filed February 23, 1923. Serial No. 176,436. PUBLISHED MAY 29, 1923.

172,430. PRINTING INKS. JAENECKE-AULT COMPANY, Newark N. J.
Filed February 28, 1923. Serial No. 176,740. PUBLISHED MAY 15, 1923.

172,431. PRINTING INKS. JAENECKE-AULT COMPANY, Newark, N. J.
Filed February 28, 1923. Serial No. 176,741. PUBLISHED MAY 15, 1923.

172,432. WOMEN'S, MISSES', AND CHILDREN'S DRESSES. ABRAHAM H. MORGEN, doing business as Wiz Dress Company, New York, N. Y.
Filed February 28, 1923. Serial No. 176,753. PUBLISHED MAY 29, 1923.

172,433. JACK FRAMES FOR PUMPING JACKS. ROBERT E. ALEXANDER, Tulsa, Okla.
Filed March 2, 1923. Serial No. 176,813. PUBLISHED MAY 29, 1923.

172,434. POULTRY FEED. TIOGA MILL & ELEVATOR CO., Waverly, N. Y.
Filed December 21, 1922. Serial No. 173,687. PUBLISHED MAY 8, 1923.

172,435. SELF-RISING FLOUR. AMERICAN HOMINY COMPANY, Chicago, Ill.
Filed December 16, 1922. Serial No. 173,391. PUBLISHED MAY 8, 1923.

172,436. WHEAT FLOUR. THE MIDLAND FLOUR MILLING CO., Kansas City, Mo.
Filed December 21, 1922. Serial No. 173,655. PUBLISHED MAY 8, 1923.

172,437. POULTRY FEED. RALSTON PURINA COMPANY, St. Louis, Mo.
Filed December 22, 1922. Serial No. 173,722. PUBLISHED MAY 8, 1923.

172,438. CRACKER PRODUCTS AND DUTCH-STYLE COOKIES. THE W. R. MONTAGUE COMPANY, La Crosse, Wis.
Filed October 23, 1922. Serial No. 171,098. PUBLISHED MAY 1, 1923.

172,439. CHOCOLATE-COATED DOUGHNUT. MILLER-CALDAN COMPANY, Minneapolis, Minn.
Filed October 26, 1922. Serial No. 171,228. PUBLISHED MAY 1, 1923.

172,440. CIGARS. J. W. SELKER CIGAR CO., Clarion, Pa.
Filed October 28, 1922. Serial No. 171,338. PUBLISHED JANUARY 16, 1923.

172,441. INSECTICIDE, DEODORANT, AND DISINFECTANT. WILLIAM DANIEL WIEGAND, doing business as Bureau of Formulas, Baltimore, Md.
Filed October 30, 1922. Serial No. 171,395. PUBLISHED MAY 15, 1923.

172,442. BREAD. WARD BAKING COMPANY, New York, N. Y.
Filed October 31, 1922. Serial No. 171,436. PUBLISHED MAY 1, 1923.

172,443. VEHICLE TIRES MADE WHOLLY OR PARTLY OF RUBBER AND RUBBER TUBES THEREFOR. THE FISK RUBBER COMPANY, Chicopee Falls, Mass.
Filed November 1, 1922. Serial No. 171,454. PUBLISHED MAY 29, 1923.

172,444. CERTAIN NAMED RADIO APPARATUS. MASTER RADIO CORPORATION, Los Angeles, Calif.
Filed November 3, 1922. Serial No. 171,544. PUBLISHED MAY 29, 1923.

172,445. WHEAT FLOUR. BLACK BROS. FLOUR MILLS, Beatrice, Nebr.
Filed November 6, 1922. Serial No. 171,609. PUBLISHED MAY 1, 1923.

172,446. WASTE-SAVING MACHINERY AND APPARATUS—NAMELY, APPARATUS FOR PRODUCING FISH MEAL, APPARATUS FOR REVIVIFYING KIESELGUHR, APPARATUS FOR PRODUCING CHARCOAL, AND SIRUP CLARIFIERS. STANLEY HILLER, INC., San Jose, Calif.
Filed November 7, 1922. Serial No. 171,712. PUBLISHED MAY 29, 1923.

172,447. WHEAT FLOUR. KEHLOR FLOUR MILLS COMPANY, St. Louis, Mo.
Filed November 13, 1922. Serial No. 171,927. PUBLISHED MAY 1, 1923.

172,448. PINS AND HAIRPINS OF NONPRECIOUS METAL AND HAND-SEWING NEEDLES OF ALL KINDS. KIRBY, BEARD & CO., LTD., Birmingham, England.
Filed November 18, 1922. Serial No. 172,228. PUBLISHED MAY 1, 1923.

172,449. PINS AND HAIRPINS OF NONPRECIOUS METAL. KIRBY, BEARD & CO., LTD., Birmingham, England.
Filed November 18, 1922. Serial No. 172,229. PUBLISHED MAY 1, 1923.

172,450. PINS OF NONPRECIOUS METAL. KIRBY, BEARD & CO., LTD., Birmingham, England.
Filed November 18, 1922. Serial No. 172,230. PUBLISHED MAY 1, 1923.

172,451. MEDICINAL HERB PREPARATION USED AS A GENERAL TONIC. WING LEE WAI COMPANY, San Francisco, Calif.
Filed November 21, 1922. Serial No. 172,364. PUBLISHED MAY 15, 1923.

172,452. PREPARATION FOR REPELLING MOSQUITOES. THE MENTHOLATUM COMPANY, Wichita, Kans., and Buffalo, N. Y.
Filed November 22, 1922. Serial No. 172,386. PUBLISHED MAY 15, 1923.

172,453. WINDOW SHADES. HARVEY M. BROWN, Philadelphia, Pa., assignor to Brown Window Shades, Inc., Philadelphia, Pa.
Filed November 25, 1922. Serial No. 172,506. PUBLISHED MAY 1, 1923.

172,454. MEDICINAL HERB PREPARATION USED AS A GENERAL TONIC. WING LEE WAI COMPANY, San Francisco, Calif.
Filed November 25, 1922. Serial No. 172,569. PUBLISHED MAY 15, 1923.

172,455. MEDICINAL HERB PREPARATION USED AS A GENERAL TONIC. WING LEE WAI COMPANY, San Francisco, Calif.
Filed November 25, 1922. Serial No. 172,570. PUBLISHED MAY 15, 1923.

172,456. TONIC FOR STIMULATING THE APPETITE, AIDING DIGESTION, ENRICHING THE BLOOD, AND INCREASING THE WEIGHT AND VITALITY. PROUD'S PORTOLIVE CO., Seattle, Wash., and Los Angeles, Calif.
Filed November 27, 1922. Serial No. 172,615. PUBLISHED MAY 15, 1923.

172,457. PINS AND HAIRPINS OF NONPRECIOUS METAL AND HAND SEWING NEEDLES OF ALL KINDS. KIRBY, BEARD & CO., LTD., Birmingham, England.
Filed November 29, 1922. Serial No. 172,681. PUBLISHED MAY 1, 1923.

172,458. COOKIES AND VARIOUS BISCUITS. THE GREEN & GREEN COMPANY, Dayton, Ohio.
Filed February 2, 1922. Serial No. 158,772. PUBLISHED MAY 15, 1923.

172,459. TEA, COFFEE, RICE, AND EXTRACTS FOR SEASONING FOODS. TOMEKECHI MASUDA, doing business as Nippon Tea Co., Cleveland, Ohio.
Filed February 18, 1922. Serial No. 159,518. PUBLISHED MAY 8, 1923.

172,460. BREAD. GENERAL BAKING COMPANY, New York, N. Y.
Filed March 2, 1922. Serial No. 160,056. PUBLISHED MAY 8, 1923.

172,461. SMOKED MEATS, DRIED BEEF, SAUSAGE, HAM, BACON, LARD, AND BUTTER. IOWA PACKING CO., Des Moines, Iowa.
Filed March 7, 1922. Serial No. 160,290. PUBLISHED MAY 1, 1923.

172,462. OLEO, OLEO OIL, AND SHORTENING. CONSOLIDATED RENDERING CO., Boston, Mass.
Filed April 22, 1922. Serial No. 162,723. PUBLISHED MAY 8, 1923.

172,463. PIES, CAKES, BREAD, AND PASTRIES. CYRUS W. GOSNEY, Oakland, Calif.
Filed September 21, 1922. Serial No. 169,757. PUBLISHED MAY 8, 1923.

172,464. GENERAL GROCERIES. C. PERCEVAL, New York, N. Y.
Filed September 22, 1922. Serial No. 169,819. PUBLISHED MAY 1, 1923.

172,465. SWISS CHEESE. ALPINA CHEESE CO., Burgdorf, Switzerland.
Filed September 30, 1922. Serial No. 170,111. PUBLISHED MAY 8, 1923.

172,466. CREAMERY BUTTER. HARROW-TAYLOR BUTTER CO., Kansas City, Mo.
Filed October 5, 1922. Serial No. 170,328. PUBLISHED MAY 8, 1923.

172,467. SELF-RISING FLOUR. LAWRENCEBURG ROLLER MILLS CO., Lawrenceburg, Ind.
Filed October 16, 1922. Serial No. 170,772. PUBLISHED MAY 8, 1923.

172,468. SELF-RISING FLOUR. LAWRENCEBURG ROLLER MILLS CO., Lawrenceburg, Ind.
Filed October 16, 1922. Serial No. 170,773. PUBLISHED MAY 8, 1923.

172,469. BRAN FOR USE IN MAKING BAKERY PRODUCTS. POTTER-WRIGHTINGTON, INC., Boston, Mass.
Filed November 1, 1922. Serial No. 171,467. PUBLISHED MAY 8, 1923.

172,470. BAKERY PRODUCTS, SPECIFICALLY COOKIES AND CONFECTIONERY. T. A. HUSTON & CO., Portland, Me.
Filed November 7, 1922. Serial No. 171,696. PUBLISHED MAY 8, 1923.

172,471. POULTRY FEED. THE ANSTED & BURK CO., Springfield, Ohio.
Filed November 10, 1922. Serial No. 171,783. PUBLISHED MAY 8, 1923.

172,472. WHEAT FLOUR. THE RED STAR MILLING COMPANY, Wichita, Kans.
Filed November 17, 1922. Serial No. 172,173. PUBLISHED MAY 8, 1923.

172,473. WHEAT FLOUR—NAMELY, SELF-RISING FLOUR. BALLARD & BALLARD CO., INCORPORATED, Louisville, Ky.
Filed December 1, 1922. Serial No. 172,719. PUBLISHED MAY 8, 1923.

172,474. BAKING PRODUCTS—NAMELY, PRETZELS. YORK PRETZEL BAKERY, York, Pa.
Filed December 1, 1922. Serial No. 172,790. PUBLISHED MAY 8, 1923.

172,475. BAKING PRODUCTS—NAMELY, PRETZELS. YORK PRETZEL BAKERY, York, Pa.
Filed December 1, 1922. Serial No. 172,791. PUBLISHED MAY 8, 1923.

172,476. WHEAT FLOUR. WABASHA ROLLER MILL COMPANY, Wabasha, Minn.
Filed December 4, 1922. Serial No. 172,918. PUBLISHED MAY 8, 1923.

172,477. BREAD, BISCUITS, CAKE, COOKIES, CINNAMON ROLLS, PIES, ROLLS, AND DOUGHNUTS. MAUD D. COULTER, Los Angeles, Calif.
Filed December 11, 1922. Serial No. 173,180. PUBLISHED MAY 1, 1923.

[ACT OF MARCH 19, 1920, SEC. 1 (b)].

THESE REGISTRATIONS ARE NOT SUBJECT TO OPPOSITION.

172,478. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) NEW ENGLAND BAKERY COMPANY, Somerville, Mass. Filed Feb. 8, 1923. Serial No. 175,728.

New England Bread

Particular description of goods.—Bread.
Claims use since May 1, 1922.

172,479. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) AMERICAN BISCUIT COMPANY, San Francisco, Calif. Filed May 17, 1922. Serial No. 163,960.

PANAMA CREAMS

Particular description of goods.—Chocolate Cake with Cream Sandwich Between.
Claims use since 1911.

172,480. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) ALFRED C. ETZEL, Highland Mills, N. Y. Filed Apr. 6, 1922. Serial No. 161,826.

Ace Farm



Particular description of goods.—Cattle, Chickens, Goats, and Eggs.
Claims use since Sept. 10, 1918.

172,481. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) STANARD-TILTON MILLING CO., St. Louis, Mo. Filed Mar. 9, 1922. Serial No. 160,439.

FAMOSA

Particular description of goods.—Wheat Flour.
Claims use since January, 1919.

172,482. (CLASS 13. HARDWARE AND PLUMBING AND STEAM-FITTING SUPPLIES.) JOSEPH F. HERMAN, doing business as Herman Manufacturing Company, Washington, D. C. Filed Feb. 13, 1922. Serial No. 159,262.

LITTLE GIANT

Particular description of goods.—Chain Connectors.
Claims use since Feb. 8, 1922.

172,483. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) STANDARD SILK DYEING CO., Paterson, N. J. Filed Jan. 17, 1922. Serial No. 158,061.

Reyes

Particular description of goods.—Silk Piece Goods.
Claims use since Dec. 15, 1921.

172,484. (CLASS 22. GAMES, TOYS, AND SPORTING GOODS.) NEWTON LINE COMPANY INCORPORATED, Homer, N. Y. Filed Dec. 21, 1922. Serial No. 173,664.

EMERALD

The drawing is lined for blue.
Particular description of goods.—Fishing Lines.
Claims use since May 1, 1922.

172,485. (CLASS 22. GAMES, TOYS, AND SPORTING GOODS.) NEWTON LINE COMPANY INCORPORATED, Homer, N. Y. Filed Dec. 21, 1922. Serial No. 173,666.

MAYO

The drawing is lined for yellow or gold.
Particular description of goods.—Fishing Lines.
Claims use since May 1, 1922.

172,486. (CLASS 22. GAMES, TOYS, AND SPORTING GOODS.) NEWTON LINE COMPANY INCORPORATED, Homer, N. Y. Filed Dec. 21, 1922. Serial No. 173,670.

KILLARNEY

The drawing is lined for green.
Particular description of goods.—Fishing Lines.
Claims use since May 1, 1922.

172,487. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) EDWARD C. COWMAN, Bellefontaine, Ohio. Filed Dec. 26, 1922. Serial No. 173,812.

CUCUMIS

Particular description of goods.—Antiseptic Lotion.
Claims use since Jan. 1, 1918.

172,488. (CLASS 22. GAMES, TOYS, AND SPORTING GOODS.) JOHN LLOYD WRIGHT, INC., Chicago, Ill. Filed Jan. 26, 1923. Serial No. 175,174.

LINCOLN LOGS

Particular description of goods.—Children's Building Blocks.
Claims use since Feb. 15, 1918.

172,489. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) STANDARD BISCUIT COMPANY, Des Moines, Iowa. Filed June 22, 1922. Serial No. 165,892.

Butter-Sodas

Particular description of goods.—Crackers.
Claims use since Apr. 1, 1922.

172,490. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) THE ORIGINAL RY-KRISP CO., Minneapolis, Minn. Filed June 26, 1922. Serial No. 166,088.



Particular description of goods.—Crackers.
Claims use since on or about Dec. 5, 1904.

172,491. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) CADICK MILLING COMPANY, Grandview, Ind. Filed June 29, 1922. Serial No. 166,219.

IT'S WHITE

Particular description of goods.—Wheat Flour.
Claims use May 1, 1922.

172,492. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) ARTHUR T. KELSEY, Mecklenburg, N. Y. Filed July 5, 1922. Serial No. 166,507.

FINGER LAKES

Particular description of goods.—Wheat, Graham, and Buckwheat Flour and Corn Meal.
Claims use since May 1, 1922.

172,493. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) SYNDICAT POUR L'EXPLOITATION DES MACHINES A FABRIQUER LES CIGARES BREVETS CORNELIS, Antwerp, Belgium. Filed July 12, 1922. Serial No. 166,792.

Cornelis

Particular description of goods.—Cigar-Making Machines.
Claims use since Apr. 24, 1922.

172,494. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) TIP TOP BAKING CO., Louisville, Ky. Filed Nov. 3, 1922. Serial No. 171,557.

"KENTUCKY'S BEST"

Particular description of goods.—Bread.
Claims use since Apr. 29, 1922.

172,495. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) PILLSBURY FLOUR MILLS COMPANY, Minneapolis, Minn. Filed Dec. 15, 1922. Serial No. 173,381.

Pillsbury's

ROMA

Particular description of goods.—Semolina.
Claims use since on or about Feb. 2, 1922.

172,496. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) PILLSBURY FLOUR MILLS COMPANY, Minneapolis, Minn. Filed Dec. 15, 1922. Serial No. 173,382.

Pillsbury's

MILANO

Particular description of goods.—Semolina.
Claims use since on or about Jan. 15, 1909.

172,497. (CLASS 22. GAMES, TOYS, AND SPORTING GOODS.) NEWTON LINE COMPANY INCORPORATED, Homer, N. Y. Filed Dec. 21, 1922. Serial No. 173,659.

YUKON

The drawing is lined for yellow or gold.
Particular description of goods.—Fishing Lines.
Claims use since Mar. 20, 1922.

172,498. (CLASS 12. CONSTRUCTION MATERIALS.) SHOPE BRICK COMPANY, Portland, Oreg. Filed May 19, 1923. Serial No. 180,897.

SHOPE

Particular description of goods.—Bricks and Tiles.
Claims use since about January, 1920.

172,499. (CLASS 12. CONSTRUCTION MATERIALS.) ALBERT C. FISCHER, Chicago, Ill. Filed Feb. 9, 1921. Serial No. 143,352.

EVERSTICK



Particular description of goods.—Self-Adhering Fabrics for Weatherproofing Roofs, Sidings, and Other Building Structures.
Claims use since Oct. 1, 1920.

172,500. (CLASS 19. VEHICLES, NOT INCLUDING ENGINES.) THE COLUMBUS AUTO PARTS COMPANY, Columbus, Ohio. Filed June 3, 1921. Serial No. 148,577.

COLUMBUS CONNECTING RODS

Particular description of goods.—Connecting and Cross or Tie Rods or Tubes for Use in Steering Mechanisms of Motor-Driven Vehicles.
Claims use since on or about Jan. 15, 1921.

172,501. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) THOMAS H. PEPPERS, Los Angeles, Calif. Filed Apr. 26, 1922. Serial No. 162,948.

Sweetest Yet

Particular description of goods.—Cantaloupes, Fresh Citrous Fruits, and Fresh Grapes.
Claims use since May 20, 1921.

172,502. (CLASS 34. HEATING, LIGHTING, AND VENTILATING APPARATUS, NOT INCLUDING ELECTRICAL APPARATUS.) THE TURNIT OVEN COMPANY, Philadelphia, Pa. Filed May 6, 1922. Serial No. 163,479.

Turnit

Particular description of goods.—Oven Slides.
Claims use since about Apr. 25, 1921.

172,503. (CLASS 35. BELTING, HOSE, MACHINERY PACKING, AND NONMETALLIC TIRES.) SEIBERLING RUBBER COMPANY, Akron, Ohio. Filed May 26, 1922. Serial No. 164,565.

SEIBERLING

Particular description of goods.—Elastic Vehicle Tires Composed Wholly or in Part of Rubber, Auto Tire Flaps, Reliners, Strap-On Boots, Adjustable Blow-Out Patches, Valve Patches, Camel Back, Repair Kits, for Inner Tubes, and Inner Tubes for Pneumatic Tires.

Claims use since on or about Dec. 14, 1921, on tires and tubes; since Feb. 6, 1922, on accessories; and since Apr. 7, 1922, for repair materials.

172,504. (CLASS 39. CLOTHING.) GEO. E. COFFIN SHOE CO., Lynn, Mass. Filed June 9, 1922. Serial No. 165,231.

ACME Ban-dage ARCH SHOE

Particular description of goods.—Leather Shoes.

Claims use since Feb. 9, 1922.

172,505. (CLASS 39. CLOTHING.) HARRY H. COHEN, doing business as Headcraft Cap Mfg. Co., Dallas, Tex. Filed June 23, 1922. Serial No. 165,915.

HEADCRAFT CAP MFG. CO.

Particular description of goods.— Caps

Claims use since Apr. 1, 1922.

172,506. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) HAROLD F. BLUM, doing business as Harold F. Blum & Co., San Francisco, Calif. Filed June 26, 1922. Serial No. 166,033.

NIPPON

Particular description of goods.—Canned Fish.

Claims use since May 1, 1922.

172,507. (CLASS 39. CLOTHING.) TOWN TALK MFG. CO., INCORPORATED, Louisville, Ky. Filed Aug. 29, 1922. Serial No. 168,862.

"THE PERFECT REGULATED SIZE CAP"

Particular description of goods.—Adjustable Caps for Men, Women, and Children.

Claims use since June 20, 1922.

172,508. (CLASS 39. CLOTHING.) THE CROFUT & KNAPP CO., South Norwalk, Conn. Filed Feb. 19, 1923. Serial No. 176,254.

PERMANENTLY STYLED BY THE CAVANAGH EDGE PROCESS

Particular description of goods.—Caps and Hats of Felt, Straw, Silk, and Fur.

Claims use since February, 1913.

172,509. (CLASS 39. CLOTHING.) JOSEPH P. GORDON, doing business as the Health Buckle Belt Co., Rockford, Ill. Filed Feb. 26, 1923. Serial No. 176,621.

HEALTH BUCKLE

Particular description of goods.—Belts.

Claims use since July 1, 1921.

172,510. (CLASS 19. VEHICLES, NOT INCLUDING ENGINES.) CHARLES W. GORTON, doing business as Wesco Sales Agency, Los Angeles, Calif. Filed Mar. 26, 1923. Serial No. 178,036.

SHOKCHEK

Particular description of goods.—Shock Absorbers.

Claims use since May 13, 1922.

172,511. (CLASS 19. VEHICLES, NOT INCLUDING ENGINES.) RUCKSTELL SALES & MANUFACTURING COMPANY, Berkeley, Calif. Filed Apr. 2, 1923. Serial No. 178,473.

RUCKSTELL AXLE

Particular description of goods.—Transmissions and Axles for Self-Propelled Vehicles.

Claims use since Mar. 1, 1922.

172,512. (CLASS 1. RAW OR PARTLY-PREPARED MATERIALS.) DUNCAN, FOX & CO., INC., New York, N. Y. Filed Apr. 20, 1923. Serial No. 179,400.

DFC

CATACAOS

Particular description of goods.—Baled Raw Cotton.

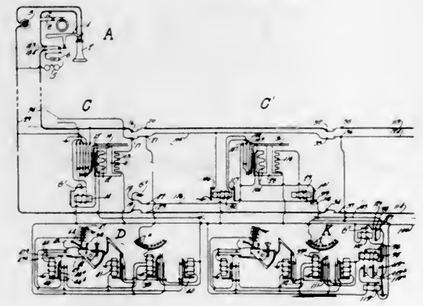
Claims use since Jan. 1, 1900.

REISSUES.

AUGUST 28, 1923.

15,682. AUTOMATIC TELEPHONE SYSTEM. WINFRED T. POWELL, Rochester, N. Y., assignor to Automatic Electric Company, Chicago, Ill., a Corporation of Illinois. Filed Sept. 10, 1920. Serial No. 409,480. Original No. 1,306,827, dated June 17, 1919, Serial No. 821,192, filed Feb. 26, 1914. 59 Claims. (Cl. 179—27.)

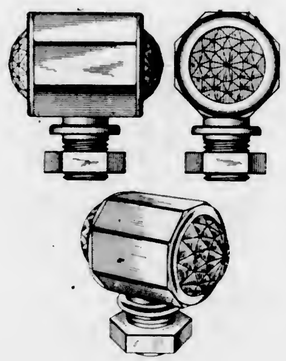
1. In a telephone system, a plurality of trunk lines, a plurality of line switches for establishing connection with any one of said trunks, and a reciprocating master switch to which said line switches are normally connected for moving said switches to select an idle trunk when a call is initiated for the subscriber initiating the call.



DESIGNS.

AUGUST 28, 1923.

62,932. PARKING LAMP. MICHAEL A. AUFIERO, Brooklyn, N. Y. Filed July 21, 1921. Serial No. 486,599. Term of patent 3½ years.



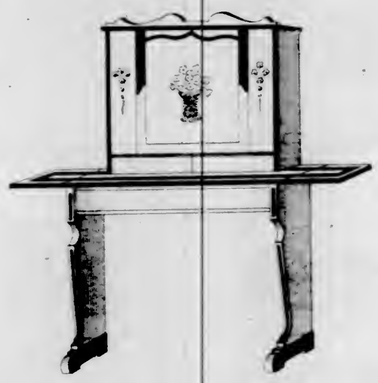
The ornamental design for a parking lamp, as shown.

62,933. CARPET. DANFORD BARKLEY, Amsterdam, N. Y., assignor to Stephen Sanford & Sons, Inc., Amsterdam, N. Y., a Corporation of New York. Filed Apr. 21, 1923. Serial No. 5,889. Term of patent 7 years.



The ornamental design for a carpet, substantially as shown.

62,934. COMBINATION SIDEBOARD AND CHINA CABINET. FRED W. BOCKSTEGE, Evansville, Ind. Filed Nov. 21, 1922. Serial No. 4,352. Term of patent 3½ years.



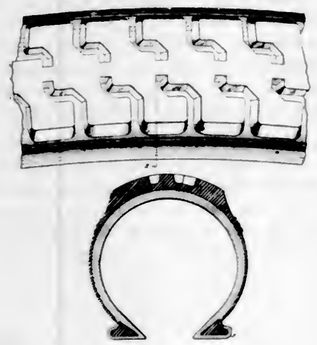
The ornamental design for a combination side board and china cabinet, as shown.

62,935. FOLDING TABLE. FRED W. BOCKSTEGE, Evansville, Ind. Filed Nov. 21, 1922. Serial No. 4,353. Term of patent 3½ years.



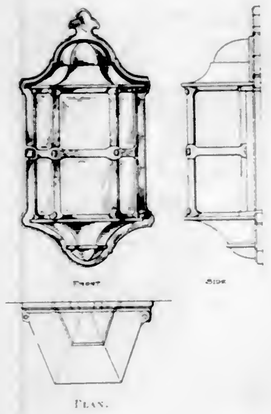
The ornamental design for a folding table, as shown.

62,936. PNEUMATIC-TIRE TREAD. PERCY B. BOSWORTH, Springfield, Ohio, assignor to The Victor Rubber Company, Springfield, Ohio, a Corporation of Ohio. Filed Nov. 27, 1922. Serial No. 4,421. Term of patent 14 years.



The ornamental design for a pneumatic tire tread as shown.

62,937. LANTERN. THURE E. DAHL, New York, N. Y. Filed Aug. 28, 1922. Serial No. 3,581. Term of patent 3½ years.



The ornamental design for a lantern, as shown.

62,938. FINGER RING. CHARLES A. DIETZ and HARRY SCHUMAN, Newark, N. J. Filed Feb. 10, 1923. Serial No. 5,133. Term of patent 7 years.



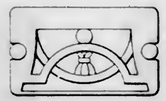
The ornamental design for a finger ring as shown.

62,939. BRACELET-BUCKLE MEMBER. AXEL GEORGE EKLUND, Attleboro, Mass., assignor to J. F. Sturdy's Sons Co., Attleboro Falls, Mass., a Corporation of Massachusetts. Filed Oct. 13, 1922. Serial No. 3,962. Term of patent 3½ years.



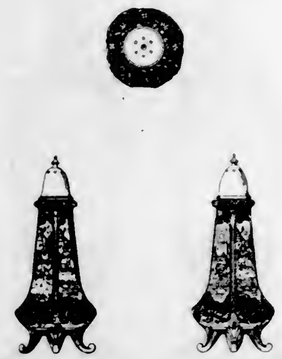
The ornamental design for a bracelet-buckle member, as shown.

62,940. BRACELET-BUCKLE MEMBER. AXEL GEORGE EKLUND, Attleboro, Mass., assignor to J. F. Sturdy's Sons Co., Attleboro Falls, Mass., a Corporation of Massachusetts. Filed Nov. 13, 1922. Serial No. 4,284. Term of patent 3½ years.



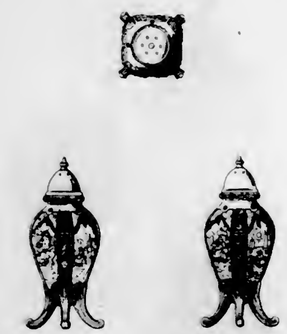
The ornamental design for a bracelet-buckle member as shown.

62,941. SALT AND PEPPER SHAKER. ALFRED J. FLAUDER, Bridgeport, Conn., assignor to The Weidlich Bros. Mfg. Co., Bridgeport, Conn., a Corporation of Connecticut. Filed Jan. 2, 1923. Serial No. 4,788. Term of patent 7 years.



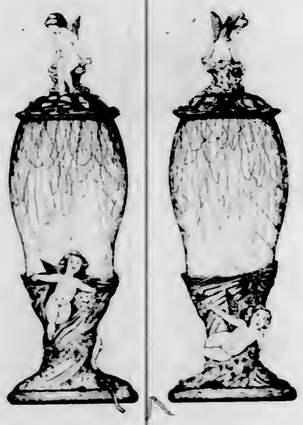
The ornamental design for a salt and pepper shaker, substantially as shown.

62,942. SALT AND PEPPER SHAKER. ALFRED J. FLAUDER, Bridgeport, Conn., assignor to The Weidlich Bros. Mfg. Co., Bridgeport, Conn., a Corporation of Connecticut. Filed Jan. 4, 1923. Serial No. 4,812. Term of patent 7 years.



The ornamental design for a salt and pepper shaker substantially as shown.

62,943. LAMP PERFUMER. ALFRED J. FLAUDER, Bridgeport, Conn., assignor to The Weidlich Bros. Mfg. Co., Bridgeport, Conn., a Corporation of Connecticut. Filed Mar. 17, 1923. Serial No. 5,503. Term of patent 7 years.



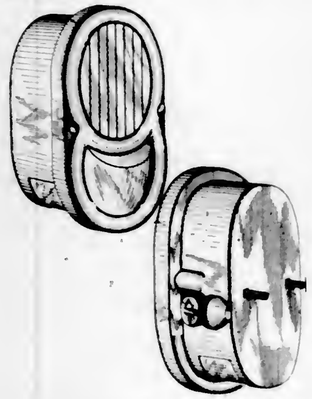
The ornamental design for a lamp perfumer, substantially as shown.

62,944. LAMP PERFUMER. ALFRED J. FLAUDER, Bridgeport, Conn., assignor to The Weidlich Bros. Mfg. Co., Bridgeport, Conn., a Corporation of Connecticut. Filed Mar. 19, 1923. Serial No. 5,526. Term of patent 7 years.



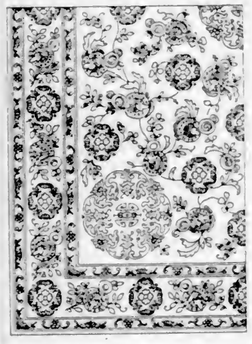
The ornamental design for a lamp perfumer, substantially as shown.

62,945. VEHICLE LAMP. CHARLES E. GODLEY, Detroit, Mich. Filed June 24, 1922. Serial No. 2,811. Term of patent 14 years.



The ornamental design for a vehicle lamp, as shown.

62,946. RUG. JOHN HENRY HANDLEY, Amsterdam, N. Y., assignor to Stephen Sanford & Sons, Inc., Amsterdam, N. Y., a Corporation of New York. Filed Apr. 21, 1923. Serial No. 5,890. Term of patent 7 years.



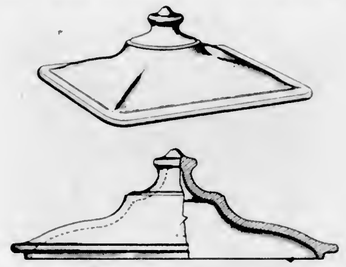
The ornamental design for a rug, substantially as shown.

62,947. DOLL. THERESA HARWICK, Miami, Fla. Filed Oct. 4, 1922. Serial No. 3,880. Term of patent 3½ years.



The ornamental design for a doll as shown.

62,948. COOKING-DISH COVER. WILLIAM T. HEDGES, Corning, N. Y., assignor to Corning Glass Works, Corning, N. Y., a Corporation of New York. Filed Sept. 17, 1921. Serial No. 501,456. Term of patent 14 years.



The ornamental design for a cooking dish cover, as shown.

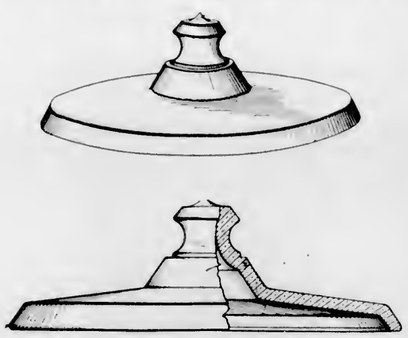
62,949. COOKING DISH. WILLIAM T. HEDGES, Corning, N. Y., assignor to Corning Glass Works, Corning, N. Y., a Corporation of New York. Filed Sept. 17, 1921. Serial No. 501,457. Term of patent 14 years.





The ornamental design for a cooking dish, as shown.

62,950. COOKING-DISH COVER. WILLIAM T. HEDGES, Corning, N. Y., assignor to Corning Glass Works, Corning, N. Y., a Corporation of New York. Filed Sept. 17, 1921. Serial No. 501,458. Term of patent 14 years.



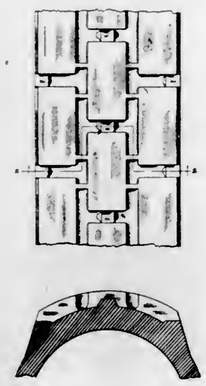
The ornamental design for a cooking dish cover, as shown.

62,951. SPORT SUIT. MARY E. HEINRICH, Freeport, N. Y. Filed Oct. 11, 1921. Serial No. 507,150. Term of patent 7 years.



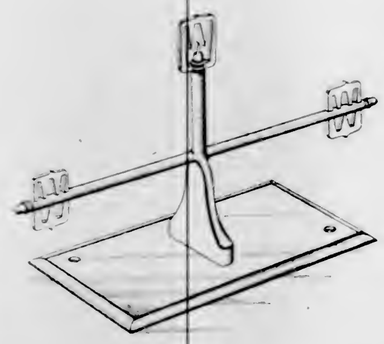
The ornamental design for a sport suit, as shown.

62,952. TIRE TREAD. LE ROY P. HOLLOWAY, Akron, Ohio, assignor to The American Rubber & Tire Co., Akron, Ohio, a Corporation of Ohio. Filed Dec. 9, 1922. Serial No. 4,561. Term of patent 14 years.



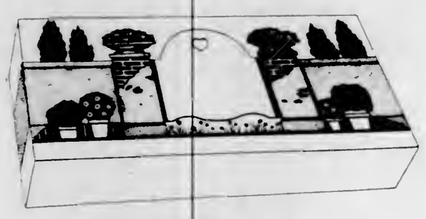
The ornamental design for a tire tread, as shown.

62,953. DISPLAY STAND FOR RIBBONS AND THE LIKE. JAMES G. JOHNSTON, Jr., Chicago, Ill., assignor to Warren Featherbone Company, Three Oaks, Mich., a Corporation of Michigan. Filed Apr. 8, 1921. Serial No. 459,756. Term of patent 7 years.



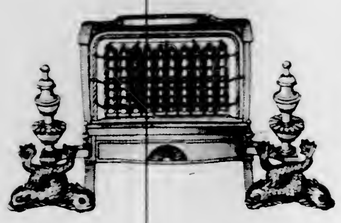
The ornamental design for display stand for ribbons and the like, as shown.

62,954. CANDY BOX. EDMUND PHILO KELLOGG, Chicago, Ill., assignor to Albert Pick & Company, Chicago, Ill., a Corporation of Illinois. Filed Feb. 11, 1921. Serial No. 444,295. Term of patent 3½ years.



The ornamental design for a candy box as shown.

62,955. GAS STOVE. LINDLEY S. LAWSON, Pittsburgh, Pa. Filed Feb. 10, 1923. Serial No. 5,146. Term of patent 3½ years.



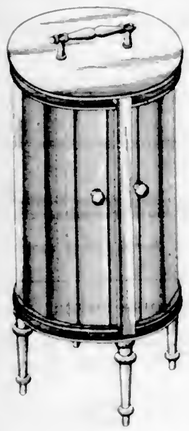
The ornamental design for a gas stove substantially as shown.

62,956. CABINET. WALTER L. LILLIE, Columbus, Ohio, assignor to The Walter L. Lillie Company, Columbus, Ohio, a Corporation of Ohio. Filed Sept. 12, 1921. Serial No. 500,220. Term of patent 3½ years.



The ornamental design for a cabinet, as shown.

62,957. CABINET. WALTER L. LILLIE, Columbus, Ohio, assignor to The Walter L. Lillie Company, Columbus, Ohio, a Corporation of Ohio. Filed Sept. 12, 1921. Serial No. 500,221. Term of patent 3½ years.



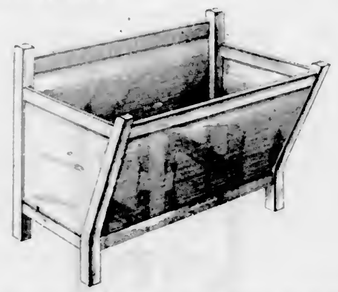
The ornamental design for a cabinet, as shown.

62,958. BRACELET-BUCKLE MEMBER. ERNST H. LOHRMANN, Bristol, R. I., assignor to J. F. Sturdy's Sons Company, Attleboro, Mass., a Corporation of Massachusetts. Filed Oct. 18, 1922. Serial No. 4,012. Term of patent 3½ years.



The ornamental design for a bracelet-buckle member, as shown.

62,959. WASTE BASKET. OLAF C. S. OLSEN, Chicago, Ill. Filed Dec. 15, 1921. Serial No. 522,703. Term of patent 3½ years.



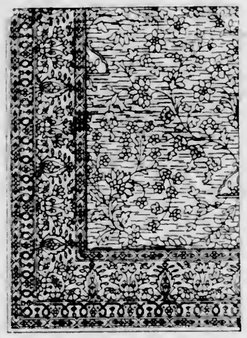
The ornamental design for a waste basket, as shown.

62,960. ADJUSTING WHEEL FOR CHAIR IRONS. ARTHUR D. PETTIBONE, Cleveland, Ohio, assignor to The B. L. Marble Chair Company, Bedford, Ohio. Filed Oct. 18, 1921. Serial No. 508,626. Term of patent 14 years.



The ornamental design for an adjusting wheel for chair irons, as shown.

62,961. RUG. FRANCIS F. RAINSFORD, Amsterdam, N. Y., assignor to Stephen Sanford & Sons, Inc., Amsterdam, N. Y., a Corporation of New York. Filed Apr. 21, 1923. Serial No. 5,888. Term of patent 7 years.



The ornamental design for a rug, substantially as shown.

62,962. VANITY BOX. PHILIP A. REUTTER, Waterbury, Conn., assignor to Scovill Manufacturing Company, Waterbury, Conn., a Corporation of Connecticut. Filed Dec. 9, 1922. Serial No. 4,550. Term of patent 7 years.



The ornamental design for a vanity box, as shown and described.

62,963. BOTTLE OR SIMILAR ARTICLE. ANDREW J. SANFORD, Newark, Ohio, assignor to A. H. Helsey & Co., Newark, Ohio. Filed Feb. 16, 1920. Serial No. 359,190. Term of patent 14 years.



The ornamental design for a bottle or similar article substantially as shown and described.

62,964. RIBBON, TEXTILE FABRIC, OR ARTICLE OF SIMILAR NATURE. EMIL SPECK, Paterson, N. J., assignor to The Taylor-Friedsam Company, a Corporation of New Jersey. Filed Nov. 14, 1922. Serial No. 4,289. Term of patent 3½ years.



The ornamental design for a ribbon, textile fabric, or article of similar nature as shown.

62,965. VANITY BOX. EMERSON H. TOMPKINS, Waterbury, Conn., assignor to Scovill Manufacturing Company, Waterbury, Conn., a Corporation of Connecticut. Filed Dec. 9, 1922. Serial No. 4,548. Term of patent 7 years.



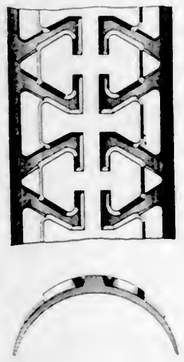
The ornamental design for a vanity box as shown and described.

62,966. VANITY BOX. EMERSON H. TOMPKINS, Waterbury, Conn., assignor to Scovill Manufacturing Company, Waterbury, Conn., a Corporation of Connecticut. Filed Dec. 9, 1922. Serial No. 4,549. Term of patent 7 years.



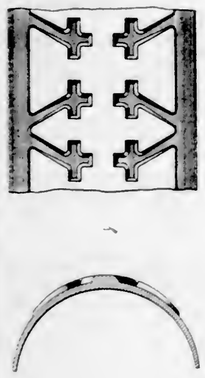
The ornamental design for a vanity box as shown and described.

62,967. TIRE. JAMES B. TOPHAM, Zellenople, Pa. Filed Oct. 24, 1921. Serial No. 510,144. Term of patent 3½ years.



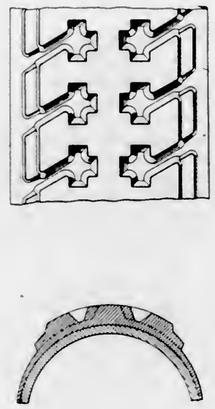
The ornamental design for a tire as shown.

62,968. TIRE. JAMES B. TOPHAM, Zellenople, Pa. Filed Oct. 24, 1921. Serial No. 510,145. Term of patent 3½ years.



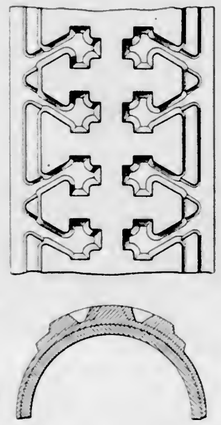
The ornamental design for a tire, as shown.

62,969. TIRE. JAMES B. TOPHAM, Zellenople, Pa. Filed Dec. 12, 1921. Serial No. 521,951. Term of patent 3½ years.



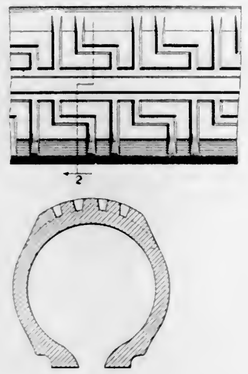
The ornamental design for a tire, as shown.

62,970. TIRE. JAMES B. TOPHAM, Zellenople, Pa. Filed Dec. 12, 1921. Serial No. 521,952. Term of patent 3½ years.



The ornamental design for a tire, as shown.

62,971. ELASTIC VEHICLE TIRE. ELNO H. TRUMP, Barberton, Ohio, assignor to The Lambert Tire & Rubber Company, Barberton, Ohio, a Corporation of Ohio. Filed Jan. 22, 1920. Serial No. 353,340. Term of patent 3½ years.



The ornamental design for an elastic vehicle tire as shown.

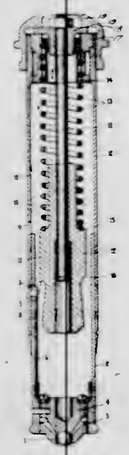
62,972. TIRE. WILLIAM S. WOLFE, Akron, Ohio. Filed Nov. 10, 1922. Serial No. 4,253. Term of patent 14 years.

The ornamental design for a tire as shown.

PATENTS

GRANTED AUGUST 28, 1923.

1,465,927. HARDNESS-TESTING DEVICE. RICHARD BAUMANN, Stuttgart, Germany. Filed June 21, 1921. Serial No. 479,413. 6 Claims. (Cl. 265—12.)



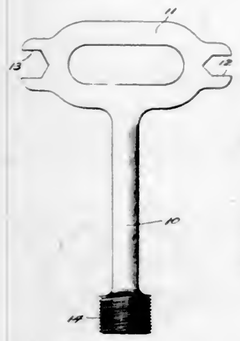
1. In an apparatus for testing the hardness of materials a combination of a weight and a spring cooperating therewith, means for moving the said spring so as to compress it, and means for simultaneously holding the weight so as to prevent the movement thereof by the action of the said spring, and means adapted to automatically cause the release of the said weight when compression of the spring is at a predetermined limit.

1,465,928. FAN. WILLIAM BROWN, St. Louis, Mo., assignor to Laura A. Brown, St. Louis, Mo. Filed Oct. 14, 1921. Serial No. 507,643. 4 Claims. (Cl. 230—33.)



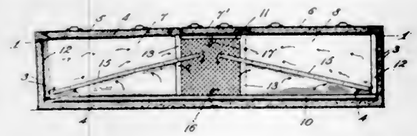
1. A fan, comprising a flexible blade composed of fibrous fabricated material having a relatively deep notch in one side edge thereof provided with convex inner walls and a wide bottom intersecting the convex walls of said notch, in combination with a handle having a shallow slot in one end thereof receiving the edge of the fan blade at the bottom of said notch, the sides of the handle on opposite sides of the fan blade terminating only a short distance above the bottom of the notch in the fan blade, and a fastener passing through the side portions of the handle and through the interposed portion of the fan blade a short distance above the bottom wall of said notch and near the bottom edge of the fan blade.

1,465,929. SPARK-PLUG WRENCH. CHARLES BUCK, Germantown, Pa. Filed Sept. 14, 1921. Serial No. 500,701. 1 Claim. (Cl. 81—119.)



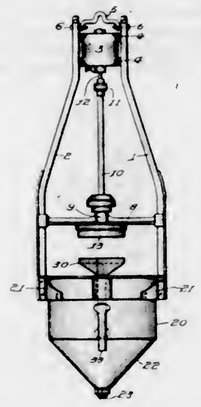
A spark-plug wrench having a handle comprised of a single elongated cylindrical stem which extends throughout the major portion of its extent upon straight lines to provide a smooth hand-grip, said stem having formed integral therewith at one end thereof a flattened body extending at right angles to and upon each side of said stem to complete a T-shaped structure, the opposite ends of said body being each provided with a wrench-part, which wrench-parts are arranged in the same plane and which project beyond a line circumscribing the opposed ends of said body portion.

1,465,930. REFRIGERATING RECEPTACLE. EDWARD C. CALKINS, Brooklyn, N. Y., assignor to I. C. Refrigeration Company, a Corporation of Delaware. Filed Oct. 30, 1922. Serial No. 597,721. 5 Claims. (Cl. 62—83.)



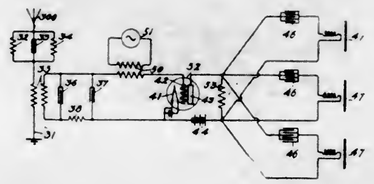
1. A refrigerating apparatus comprising an outer receptacle, an inner receptacle, devices spacing the inner receptacle from said outer receptacle and providing therewith a circuitous passageway for the refrigerant, and a container for the refrigerant located in the outer receptacle in communicating relation with said passageway, substantially as set forth.

1,465,931. RIDDLE. GRELLET N. COLLINS, Narberth, Pa. Filed Sept. 8, 1922. Serial No. 586,824. 3 Claims. (Cl. 83—56.)



1. In a gyratory riddle, the combination of a receptacle at the lower end of the riddle structure, a screen extending across the said receptacle in a plane intermediate the opposite ends thereof, means for delivering a liquid to be screened to the said receptacle at a point below the said screen, and a discharge conduit having connection with the said receptacle at a point above the said screen.

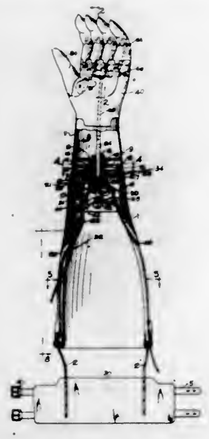
1,465,932. MULTIPLEX RADIOTELEGRAPH SYSTEM. EDWIN H. COLPITTS, East Orange, N. J., assignor, by mesne assignments, to Western Electric Company, Incorporated, a Corporation of New York. Filed Sept. 11, 1915. Serial No. 50,172. Renewed Nov. 2, 1920. Serial No. 421,764. 23 Claims. (Cl. 250—9.)



1. The method of transmission which comprises simultaneously transmitting energy of a plurality of different frequencies, combining therewith energy of a different frequency and causing the combination frequencies produced thereby to selectively operate a plurality of devices.

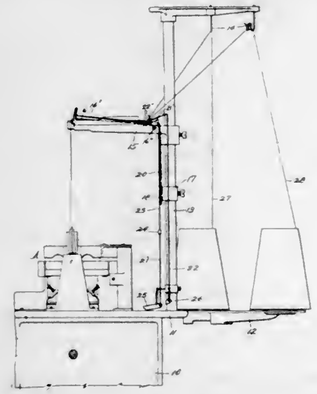
1,465,933. ARTIFICIAL HAND. CHARLES DEDIC, Chippewa Falls, Wis. Filed Mar. 28, 1921. Serial No. 456,077. 2 Claims. (Cl. 3—12.)

1. The combination with an artificial arm comprising a forearm having means for attaching same to a stump of a natural arm, a rotatable adjustable wrist portion attached to said forearm, and a hand portion attached to said wrist portion, of an axially disposed reciprocable rod through the wrist portion for opening and closing the fingers, means whereby said rod is reciprocated in one direction by an action of the wearer's body, a contractile spring for operating said rod in the opposite direction, means for automatically locking said rod in the position



acquired by the action of the wearer's body, and means for releasing said locking means by an action of the wearer's body, substantially as described.

1,465,934. TENSION DEVICE FOR KNITTING MACHINES. WALTER B. DUGAN, Philadelphia, Pa., assignor to Venango Knitting Mills, Incorporated, Philadelphia, Pa., a Corporation of Pennsylvania. Filed Oct. 13, 1921. Serial No. 507,458. 4 Claims. (Cl. 66—9.)

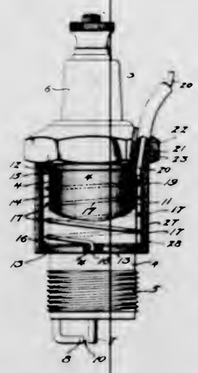


1. In a device of the character stated a pair of take-ups, tension means operatively connected with each take-up and means for rendering said take-ups alternately inactive and for removing tension from that take-up rendered inactive.

1,465,935. SPARK-PLUG STRUCTURE. ADAM E. EASTMAN, Philadelphia, Pa., assignor of one-half to Wallace A. Cole, Philadelphia, Pa. Filed Dec. 6, 1921. Serial No. 520,221. 2 Claims. (Cl. 123—169.)

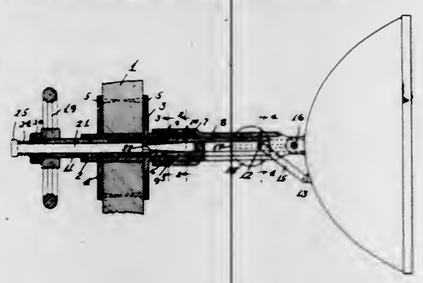
1. The combination of a spark plug; a metallic body portion; an electric resistance heating coil having a part

surrounding a part of the spark plug adjacent said body portion; and a sleeve forming a protective cover for said



coil and being secured to said spark plug; substantially as described.

1,465,936. SPOTLIGHT-OPERATING MECHANISM. WALTER H. FLOOD, Chicago, Ill. Filed Mar. 11, 1922. Serial No. 542,829. 5 Claims. (Cl. 240—61.)



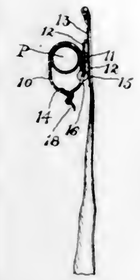
1. In a spotlight, a hinged projector, a stationary sleeve attached to the vehicle, a rotatable sleeve mounted on said stationary sleeve and supporting the projector, sliding means in connection with said rotatable sleeve and said projector to cause a change in the direction of the beam of light from said projector, and automatic means within the stationary sleeve for simultaneously locking the adjustments of said projector in any position.

1,465,937. PROCESS FOR THE PRODUCTION OF HOMOGENEOUS WOOD MATERIAL AND THE PRODUCT THEREOF. VILLEHAD HENRIK FORSSMANN, Cologne, Germany. Continuation of application Serial No. 593,650, filed Oct. 10, 1922. This application filed Mar. 31, 1923. Serial No. 629,172. 7 Claims. (Cl. 20—91.)

4. The process of treating a thin layer of wood material comprising the subjection of the contents of a substantial number of its cells to a solution adapted to neutralize the hygroscopic and ferment qualities of substances in said cells, and impregnating said layer with a cellulose solution.

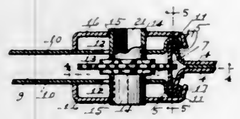
1,465,938. SLIDING DRAPERY HOLDER. JOHN J. GUIDER, North Pelham, N. Y. Filed May 17, 1922. Serial No. 561,679. 6 Claims. (Cl. 156—20.)

6. In a drapery supporting device, a supporting pole; a plurality of plates secured to the drapery in alinement transversely of the drapery near its top, each plate having thereon alined ferrules; a plurality of rings around the pole, a ring for each plate; each ring comprising a ring portion and an upstanding portion fixedly secured to one side thereof; the up-standing portion having an eye at its lower end connecting the up-standing and ring portions and spacing them apart; the ring portion having an eye hooked in the first mentioned eye; the up-standing portions of the rings being removably



insertable in the ferrules of the plates from the under side of the ferrules and maintained in position in the ferrules by downward pull of the lowermost ferrules of the plates on the second mentioned eyes of the rings due to the weight of the drapery; the alined plates providing a zone of rigidity for the drapery at its top adjacent to and above the plates and supporting pole and causing the portion of the drapery above the plates and pole to stand substantially upright for filling in a gap space.

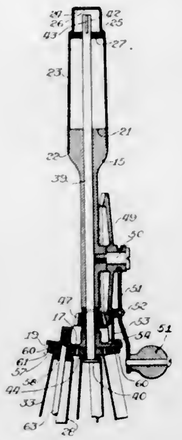
1,465,939. DESK AND SEAT STRUCTURE. GEORGE H. HAMILTON and MATTHYS NUBERG, Grand Rapids, Mich., assignors to American Seating Company, Grand Rapids, Mich., a Corporation of New Jersey. Filed Aug. 21, 1922. Serial No. 583,302. 5 Claims. (Cl. 155—82.)



1. In a stucture of the character described; a supporting member having a guide and a rack; a supported member movable on the guide and having a slot elongated transversely to the supported member's direction of movement; a gear meshing in its operative position with the rack and having a hub portion rotatable and transaxially movable in the slot; a retaining piece having a bearing wherein the hub portion rotates, said piece being detachably secured to the supported member in a position in which the gear is held in its operative position; means for clamping the said members together.

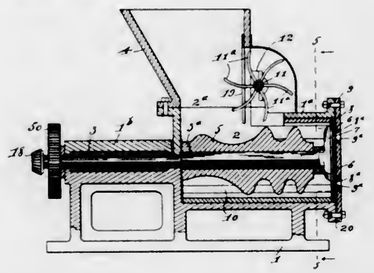
1,465,940. BEATER. PAUL HAZZARD, Chicago, Ill. Filed Sept. 1, 1922. Serial No. 585,585. 15 Claims. (Cl. 259—131.)

1. A beater constituting a portable hand holding device and embodying a beater element, a shaft with which the said element is connected, a handle in which one end of the shaft is journaled, hand operating mechanism for actuating the beater element, one end of the handle having an open socket, the end of the shaft within the handle projecting into the said socket and terminating within the plane of the end of the handle, the said end



of the shaft being shaped to be detachably connected with separate power mechanism for actuating the beater element.

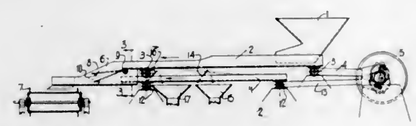
1,465,941. MACHINE FOR GRANULATING METAL TURNINGS AND BORINGS. ELWIN K. HILL, Cleveland, Ohio. Filed June 30, 1920. Serial No. 393,103. 2 Claims. (Cl. 29—4.5.)



1. In a machine for granulating miscellaneous metal shavings, lathe turnings, borings, and the like, a housing providing a chamber, a spiral conveyor mounted to operate longitudinally in said chamber, longitudinally extending ridges in said chamber in juxtaposition to the outer spiral periphery of the conveyor member, a series of uniformly arranged eccentric of openings in the outer end wall of the chamber, cutting blades bearing on the inner face of said end wall, means for conjointly rotating said blades and spiral conveyor so that the edges of the openings in the end wall coact with the blades for shearing the material conveyed to said openings.

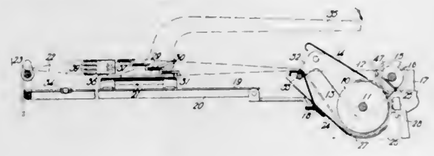
1,465,942. RECIPROCATING SCREEN OR CONVEYER. RICHARD S. JACOBSEN, Chicago, Ill., assignor, by mesne assignments, to Webster Mfg. Co., a Corporation. Filed May 26, 1921. Serial No. 472,772. 9 Claims. (Cl. 83—56.)

1. In a conveyer system, a horizontally reciprocating screen, a horizontally reciprocating trough arranged therebeneath and conveying the material in the same direction as said screen and for mixing with the discharge thereof, means for actuating said screen and



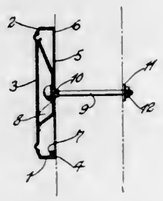
trough, and adjustable means for causing said screen to discharge at a place removed from the discharge end of said trough.

1,465,943. TYPEWRITING MACHINE. HIRAM S. LASHER, New York, N. Y., assignor to Underwood Typewriter Company, New York, N. Y., a Corporation of Delaware. Filed Jan. 15, 1920. Serial No. 351,628. 15 Claims. (Cl. 197—126.)



1. In a typewriting machine, in combination, means for feeding a folded web to the printing mechanism, a carbon-carrier movable in the direction of web-feed, and a web-slitter mounted on said carrier at a point adjacent the web-fold to be slitted thereby, the mounting of said web-slitter being entirely at one side of said web and at the same side thereof as the web-fold to be slitted.

1,465,944. FRAME FOR SUPPORTING VEHICLE LICENSE PLATES. CHARLES LATTA, St. Louis, Mo., assignor, by direct and mesne assignments, to John Bum, St. Louis, Mo. Filed Oct. 30, 1922. Serial No. 597,843. 6 Claims. (Cl. 40—125.)

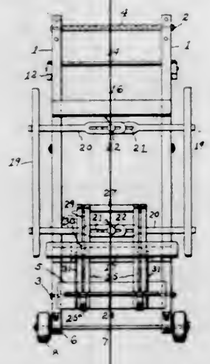


3. A device of the character described, comprising a frame, means in connection with said frame for engaging a license plate, a removable rear end plate in said frame, a spring supported by said removable end plate within said frame for pressing said license plate against said means, and a device extending through said rear end plate for supporting the frame and holding said spring in position.

1,465,945. TRUCK FOR TALKING MACHINES. FRANK D. LEA, Findlay, Ohio. Filed Sept. 9, 1921. Serial No. 499,509. 6 Claims. (Cl. 280—56.)

1. A truck of the character described, including a frame, rollers for the frame, a rest upon the frame for engaging the article to be transported, side clamping bars

extending longitudinally of the frame and movable laterally thereof toward and away from each other so that



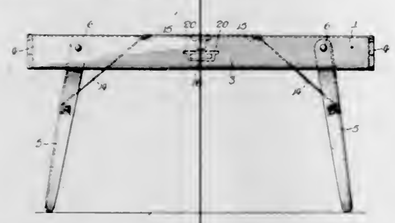
they can be moved into engagement with opposite sides of the article being transported, and means for locking the side clamping bars in an adjusted position.

1,465,946. POWER-TRANSMISSION CHAIN. FRIEDERICH MÜLLER, Hartford, Conn. Filed Oct. 14, 1922. Serial No. 594,508. 3 Claims. (Cl. 74—32.)



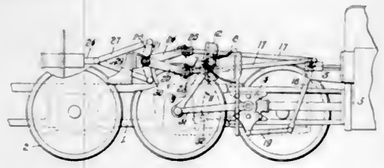
1. In a power transmission chain comprising links arranged in overlapping relation, pivot members, said links being provided with an aperture at one end having a turning-fit on said pivot member and a larger aperture at the opposite end having a non-turning fit on said pivot member.

1,465,947. FOLDING TRESTLE. HAROLD OETZEL, Chicago, Ill. Filed Jan. 5, 1922. Serial No. 527,219. 5 Claims. (Cl. 304—5.)



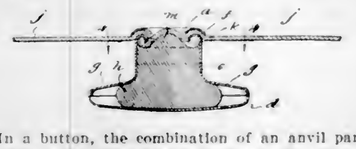
1. A folding trestle comprising a body member and a pair of legs hinged to said body member at each end thereof, means connecting the members of each pair of legs for bracing same in open position, and combined detent and handle means arranged symmetrically of said body portion for holding said legs in folded position.

1,465,948. VALVE GEAR. CHARLES J. PILLIOD, Toledo, Ohio, assignor to Daniel Searles, trustee, Toledo, Ohio. Filed Feb. 26, 1921. Serial No. 448,142. 1 Claim. (Cl. 121—116.)



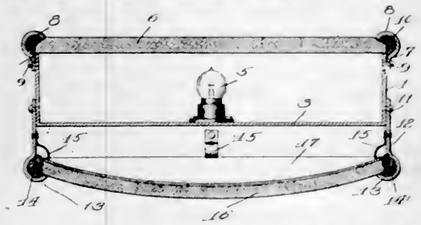
In a locomotive, the combination with an engine operated cross-head at each side and an engine valve at one side of the locomotive, of a cross shaft, an arm projecting downwardly from the cross shaft at one end, link means connecting the arm and cross-head, a reverse-link carried by the shaft at its other end for rocking movements therewith, a floating combination lever connected to the valve and having its lower end in operating connection with the cross-head at the valve side of the locomotive, a radius-rod connecting the reverse-link and combination lever for imparting accelerated travel to the valve from a rocking of the reverse-link, the radius-rod being shiftable lengthwise of the link, and means for shifting the radius-rod.

1,465,949. BUTTON. FREDERICK N. ROSS, Detroit, Mich., assignor to Button Attaching Machine Company, Detroit, Mich., a Corporation of Michigan. Filed Sept. 11, 1922. Serial No. 587,309. 7 Claims. (Cl. 24—95.)



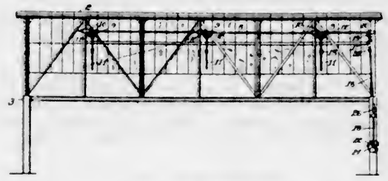
1. In a button, the combination of an anvil part provided with an anvil and an enclosing shell, and a prong part provided with one or more prongs beveled on one side at their free ends, the anvil and the shell so arranged with respect to the prong or prongs when the same are driven against the anvil they are caused to twist upon their own axes in helices into the socket afforded in the anvil member.

1,465,950. SIGNAL LAMP AND MIRROR. HERMAN G. SCHILLER, Lawrence, Mass. Filed Aug. 17, 1922. Serial No. 582,464. 1 Claim. (Cl. 240—7.)



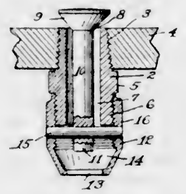
A combined lamp and mirror, including a casing having a circular rear wall and a cylindrical side wall, a lens secured at the open end of said casing, a substantially cylindrical cover detachably connected to said casing, a rolled edge formed on said cover, a mirror mounted in the cover and engaging the rolled edge, and spring fingers secured to the inner wall of the cover and forcing the mirror against the rolled edge.

1,465,951. TRANSOM-OPERATING MECHANISM. OSCAR AUGUST SMITH, East Cleveland, and GEORGE JOHN LEBER, Cleveland, Ohio. Filed Dec. 14, 1920. Serial No. 430,798. 17 Claims. (Cl. 268—18.)



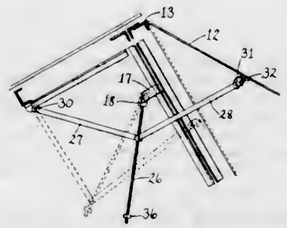
1. In a transom operating mechanism, the combination of a transom, an operating shaft, a screw operatively connected to said shaft and swingable about the same as an axis, mechanism connected to said screw for opening and closing the transom, and means for rotating said shaft.

1,465,952. DRAIN COCK. OSCAR A. SMITH and ALBERT J. WEATHERHEAD, Jr., Cleveland, Ohio. Filed May 19, 1921. Serial No. 470,921. 14 Claims. (Cl. 251—8.)



7. A drain cock comprising a body member having a passage therethrough, and terminating at one end in a valve seat, a valve comprising a head cooperating with said valve seat and a stem extending into said passage, a tubular operating member threaded exteriorly to said body member, said stem being connected to said tubular member interiorly thereof, whereby said member may be shifted relatively to said body member to open and close the valve, said tubular member having means exteriorly thereof for effecting such operation, said means forming a part of the connection of the tubular member with the stem.

1,465,953. TRANSOM-OPERATING MECHANISM. OSCAR AUGUST SMITH, East Cleveland, and GEORGE J. LEBER, Cleveland, Ohio. Filed June 24, 1921. Serial No. 480,010. 22 Claims. (Cl. 268—18.)

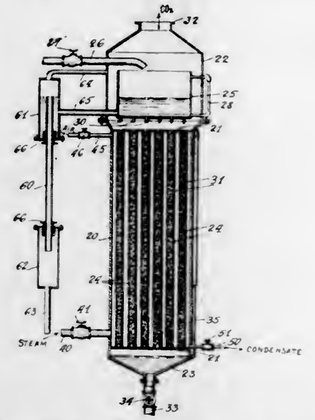


5. In a transom operating mechanism, the combination of a transom, mechanism for moving said transom, and means for operating said mechanism and comprising a pair of alined rotatable shaft sections connected together, said mechanism including a swingingly supported rotary screw operated by one of said sections and supported independently of the other.

1,465,954. PROCESS OF PRODUCING CARBON DIOXIDE. HERMAN E. STUERCKE, Brooklyn, N. Y., assignor to General Carbonic Company, New York, N. Y., a Corporation of New York. Filed July 29, 1919. Serial No. 314,051. 3 Claims. (Cl. 23—10.)

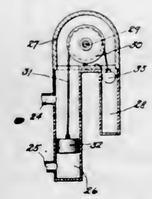
1. The method of producing carbon dioxid, comprising passing a solution containing alkali-metal bi-carbonate downwardly through narrow closed conduits and exposing the exterior of said conduits to a heating medium, drawing off the liberated carbon dioxid gas at the upper end of the conduits, and drawing off solution from which a large percentage of the carbon dioxid has been extracted at the lower end of the conduits.

1,465,955. APPARATUS FOR TREATING LIQUIDS. HERMAN E. STUERCKE, Brooklyn, N. Y., assignor to General Carbonic Company, New York, N. Y., a Corporation of New York. Filed July 29, 1919. Serial No. 314,052. 4 Claims. (Cl. 257—224.)



1. In a boiler for a solution containing a semi-bound gas, the combination of a steam cylinder having upper and lower headers, a plurality of tubes passing through the cylinder and connected to the headers, a dome at the top of the cylinder, a sump at the bottom of the cylinder, a solution tank in the dome having its bottom spaced from the upper ends of said tubes and provided with apertures to deliver solution into said tubes, a connection in the dome for discharge of liberated gas, and a drain pipe at the bottom of the sump.

1,465,956. WATER GAUGE FOR HEATING BOILERS. ANTONI SWAROCZKY, Detroit, Mich. Filed Apr. 10, 1922. Serial No. 550,967. 1 Claim. (Cl. 73—82.)



A water gauge comprising a hollow substantially semi-circular casing, a horizontally disposed bottom wall at the lower end of the casing, a shaft extending transversely through the casing, a wheel secured to the shaft within said casing, the bottom wall of said casing having a pair of spaced openings therein, tubes secured to the bottom of the casing in alinement with the openings,

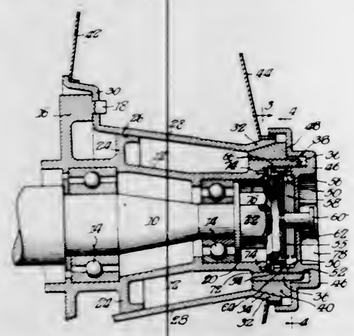
a float in one of said tubes, a counterweight in the other of said tubes, a flexible element connecting the float to the weight, said flexible element extending over the wheel, a pipe connecting the float containing tube with a boiler in line with the water level thereof, a pipe connecting the lower end of the float containing tube with the boiler near its lower end, a graduated dial on the casing, and an indicating hand on the shaft movable over the face of the dial to indicate the height of water within the boiler.

1,465,957. CLIP FOR MECHANICAL PENCILS. JOHN C. WAHL, Chicago, Ill., assignor to The Wahl Company, Chicago, Ill., a Corporation of Delaware. Filed Apr. 13, 1922. Serial No. 552,093. 2 Claims. (Cl. 24—11.)



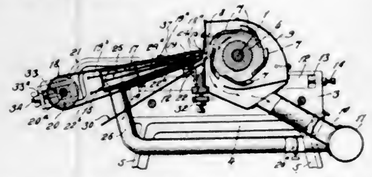
1. In a pencil, in combination, a hollow metal body provided with a transverse incision therein and a clip seat adjacent thereto, fashioned by outward impress of the metal body to form a clip seat, its longitudinal sides being laterally offset intermediate its length to form locking lugs, and a clip, its seating portion fashioned for entry through the incision and for conformatory seating and interlock in the clip seat in the metal body.

1,465,958. WHEEL-HUB CONSTRUCTION. JOHN WHEELER, Chicago, Ill. Filed Aug. 11, 1920. Serial No. 402,776. 1 Claim. (Cl. 301—9.)



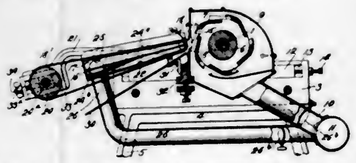
In mechanism of the class described, concentric inner and outer hubs, a cap having an internal annular axial extension provided with exterior threads engaging interior threads on the inner hub, a wedge between the outer ends of the hubs, an angular formation on the free end of the skirt of the cap one portion of which bears against the wedge while the other portion overlies the outer face of the adjacent end of the outer hub, an axially slidable plunger operating within said annular extension of the cap and having radial studs slidably engaged respectively in longitudinal grooves formed in the inner face of said annular extension, means exteriorly of the cap permitting manual sliding of the plunger with respect to the cap, a ring between the plunger and inner hub having a detachable interlocking connection with the latter, interengaging formations on the ring and plunger respectively, and spring means normally holding said plunger in position to interengage the formations thereon with those of the ring.

1,465,959. FUR-TREATING MACHINE. WILLIAM A. WINTER, New York, N. Y. Filed Sept. 18, 1919. Serial No. 324,428. Renewed Sept. 15, 1921. Serial No. 500,954. 8 Claims. (Cl. 198—108.)



1. In combination with a suitable fur-treating mechanism, of a porous conveyor belt adapted to travel in one plane into a position adjacent to said treating mechanism and to change its direction of travel to a different plane away from the same and to carry a skin thereon, of suction means arranged to cause a continuous and uninterrupted suction on the under surface of a skin through the said belt during its travel through the operating zone of said mechanism.

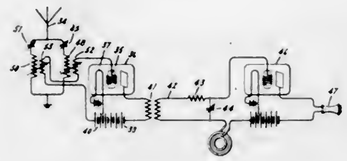
1,465,960. FUR-TREATING MACHINE. WILLIAM A. WINTER, New York, N. Y. Filed Sept. 15, 1921. Serial No. 500,787. 11 Claims. (Cl. 198—108.)



1. The combination with a suitable fur treating mechanism provided with a suction casing having a laterally-extending fur-erecting suction aperture therein of predetermined length and means for producing a partial vacuum within the casing, of a suction box having a bent front edge arranged adjacent to the said suction aperture in the casing and provided with skin-attaching suction apertures at said front edge of less lateral extent than the fur-erecting aperture of the casing, a porous belt travelling forwardly and backwardly on opposite surfaces of said box and around said front edge, and means for creating a partial vacuum within the box, whereby the fur at the side edges of the skin may be released from the suction of the skin-attaching apertures and be subjected to the suction of the fur-erecting aperture of the casing.

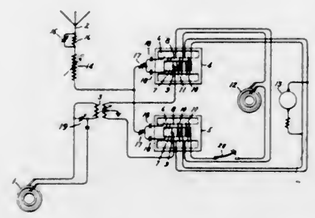
1,465,961. WIRELESS SIGNALING SYSTEM. ERNST F. W. ALEXANDERSON, Schenectady, N. Y., assignor to General Electric Company, a Corporation of New York. Filed Apr. 19, 1916. Serial No. 92,156. 41 Claims. (Cl. 250—8.)

1. The combination in a wireless signaling system of means for transmitting signals by waves of two different radio frequencies simultaneously radiated from an antenna, means at a receiving station for simultaneously receiving the waves of different frequencies, means for causing the two sets of waves to interact to produce a current having amplitude pulsations of a frequency equal



to the difference between the two radio frequencies but above audibility, an oscillating circuit resonant to this last frequency, and means cooperating with the oscillating circuit for detecting the signals.

1,465,962. WIRELESS SIGNALING SYSTEM. ERNST F. W. ALEXANDERSON, Schenectady, N. Y., assignor to General Electric Company, a Corporation of New York. Original application filed Apr. 19, 1916, Serial No. 92,156. Divided and this application filed July 15, 1918. Serial No. 244,539. 14 Claims. (Cl. 250—17.)



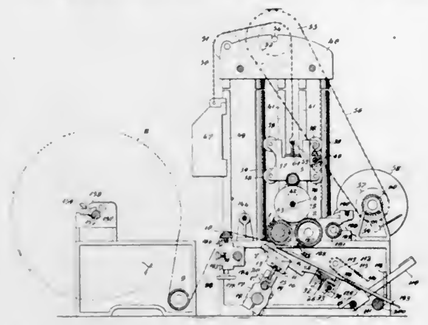
3. The method of transmitting signals which consists in producing currents of two different radio frequencies from a single source of current of radio frequency by first producing from said source a current having amplitude pulsations of uniform character in which corresponding impulses of any two adjacent groups of amplitude pulsations are apposite in phase and then conducting the current thus produced through a circuit having two branches which are resonant to the two frequencies desired whereby the current will be resolved into two currents of constant amplitude and the frequencies desired and utilizing the two currents thus produced for the transmission of signals.

1,465,963. RE AND DE RAILING DEVICE. HENRY A. BROWN, Huntington, W. Va., assignor of one-third to Guy E. Shinkle and one-third to Frank M. White, both of Huntington, W. Va. Filed Dec. 13, 1922. Serial No. 606,707. 4 Claims. (Cl. 238—10.)



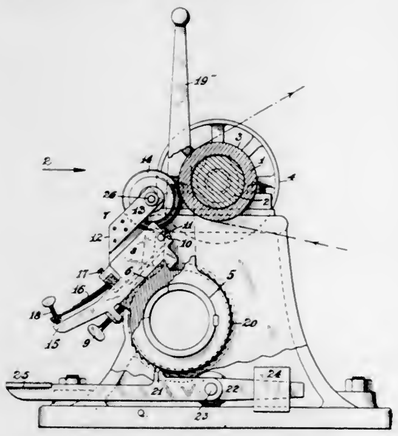
2. A device of the class described comprising a pair of rail sections arranged in parallel relation, one of said rails being deflected outward at one end and the other provided with means for detachably connecting it to a main track rail, plates connecting said rail sections rigidly together, the outer ends of said rail sections diverging.

1,465,964. SLITTING AND REWINDING MACHINE. JAMES A. CAMERON and GUSTAF BIRGER BIRCH, Brooklyn, N. Y., assignors to Cameron Machine Company, Brooklyn, N. Y., a Corporation of New York. Filed Dec. 9, 1916, Serial No. 135,947. Renewed Jan. 13, 1922. Serial No. 529,097. 15 Claims. (Cl. 164—65.)



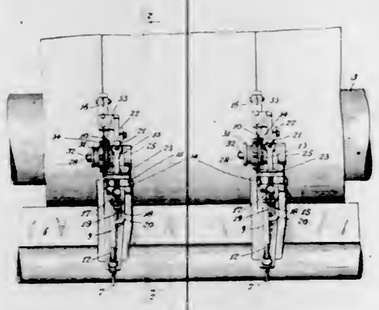
1. A slitting and rewinding machine comprising: a pair of surface rewinding rolls on which the rewound coils are supported, one of said rewinding rolls constituting a cutter roll, and the other roll operating to deflect and feed the severed strips to the peripheries of the rewound coils, and means for driving the cutter roll at a higher speed than the other rewinding roll.

1,465,965. SLITTING DEVICE. JAMES A. CAMERON and GUSTAF BIRGER BIRCH, Brooklyn, N. Y., assignors to Cameron Machine Company, Brooklyn, N. Y., a Corporation of New York. Filed Mar. 19, 1919. Serial No. 283,497. 1 Claim. (Cl. 164—70.)



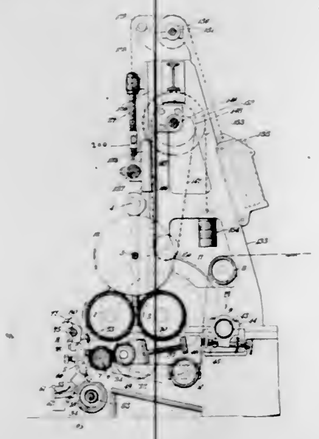
A slitting device comprising: a cutter roll, a rocking support in front of and below said cutter roll and having its axis parallel to the cutter roll, a bracket adjustable on said rocking support in a direction parallel to the axis of the cutter roll, a cutter holder supported on a pivot carried by the bracket parallel to the cutter roll, a score cutter engaging said cutter roll and rotatably mounted on the cutter holder, a tail portion, on the bracket, extending outwardly and downwardly away from the cutter roll, and a spring interposed between the cutter holder and the tail portion, said spring extending substantially in the direction of said tail portion, and means for directly placing said spring under tension.

1,465,966. SLITTING MEANS. JAMES A. CAMERON and GUSTAF BIRGER BIRCH, Brooklyn, N. Y., assignors to Cameron Machine Company, Brooklyn, N. Y., a Corporation of New York. Filed Aug. 25, 1920. Serial No. 405,997. 4 Claims. (Cl. 164—65.)



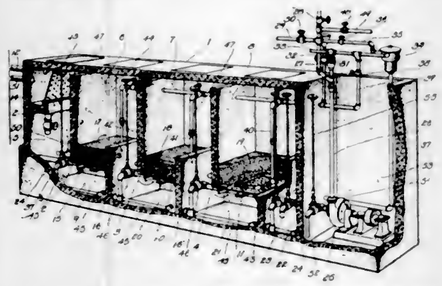
1. Means for slitting a web of flexible material into sections comprising: a cutter roll, a score cutter engaging therewith, a separator engaging the slitted sections, a support for moving the score cutter and the separator toward and away from the cutter roll and the sections, and means for throwing out the separator independently of the score cutter.

1,465,967. SLITTING AND REWINDING MACHINE. JAMES A. CAMERON and GUSTAF BIRGER BIRCH, Brooklyn, N. Y., assignors to Cameron Machine Company, Brooklyn, N. Y., a Corporation of New York. Filed Dec. 6, 1917, Serial No. 205,840. Renewed Jan. 13, 1922. Serial No. 529,088. 64 Claims. (Cl. 164—65.)



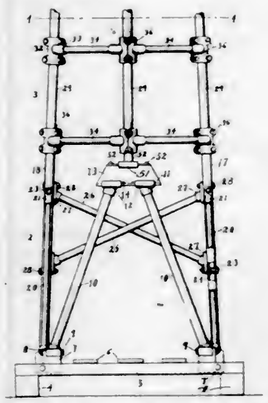
1. The method of spreading slitted web sections of flexible material which consists in stretching the unslitted web transversely and thereby increasing its natural width, then in restoring the natural width of the material by slitting said web while stretched and thereby permitting the slitted sections to contract individually in a transverse direction, and then in deflecting the side edges of the sections.

1,465,968. LIQUID PURIFIER. JOHN E. CAPS, Wilmette, Ill. Filed Apr. 30, 1920. Serial No. 377,782. 4 Claims. (Cl. 210—132.)



1. In a device of the class described, a filter bed, means for delivering liquid to said filter bed, means for exhausting liquid from the filter bed, a steam pipe communicating with the filter bed but normally closed with respect thereto, and means responsive to variations in temperature of the liquid exhausted from the filter bed to open and close the steam pipe.

1,465,969. DERRICK. CHARLES R. B. CLAFLIN, Hartford, Conn. Filed Feb. 18, 1920. Serial No. 359,598. 7 Claims. (Cl. 189—13.)



1. A skeleton tower comprising complemental posts, braces co-operative with the posts, a crown piece adjustably connected to the braces, and means for limiting the lateral motion of the crown piece.

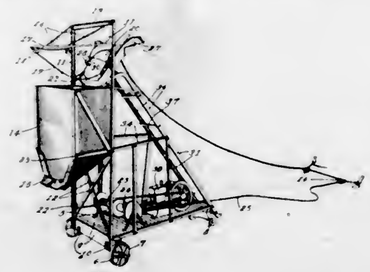
1,465,970. ARCH SUPPORT. ERNEST S. CLEVELAND and GEORGE G. LEFFINGWELL, Chicago, Ill. Filed Dec. 11, 1920. Serial No. 429,883. 5 Claims. (Cl. 128—166.)



1. An arch support comprising a non-elastic strap adapted to be wrapped around and secured on the foot and

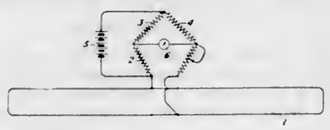
to be extended under the arch, an elastic substantially flat suspension strip having one of its ends secured to the upper end of the non-elastic strap and of sufficient length to extend vertically and around a leg and means connected to the other end of the suspension strip and adapted to be secured to a portion of the body above the ankle.

1,465,971. EXCAVATOR AND LOADER. THEODORE COMPTON, Indianapolis, Ind. Filed Oct. 29, 1921. Serial No. 511,324. 2 Claims. (Cl. 214—105.)



1. In a combined excavator and loading machine, a wheel supported body portion, an inclined track having its upper end terminating at a point above the body portion, a hopper disposed adjacent to the upper end of the inclined track, a carrier having rollers and adapted to move over the track, said carrier having upwardly extending arms, a scoop adapted to move onto the carrier, laterally extending arms on the scoop and adapted to engage the upwardly extending arms of the carrier for connecting the scoop and carrier, means having connection with the scoop for moving the scoop and carrier over the track, and said arms of the scoop adapted to disengage the arms of the carrier when the scoop is moved to its loading position.

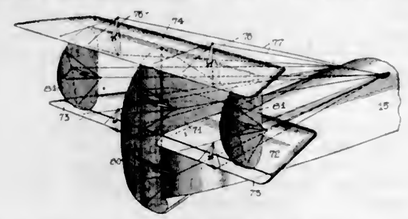
1,465,972. TRANSMISSION REGULATING CIRCUITS. GEORGE CRISSON, Hackensack, N. J., assignor to American Telephone and Telegraph Company, a Corporation of New York. Filed Mar. 7, 1921. Serial No. 450,352. 12 Claims. (Cl. 178—44.)



1. In a signaling system, a group of signaling conductors similarly subjected to conditions producing variations in their transmission efficiency, a pilot circuit subjected to the same conditions as the signaling conductors, and an apparatus for determining the adjustments to be made in the signaling circuits to compensate for the change in transmission, said apparatus being bridged across the conductors of the pilot circuit at a point intermediate the ends of said circuit and being balanced with respect to the two sides of the pilot circuit.

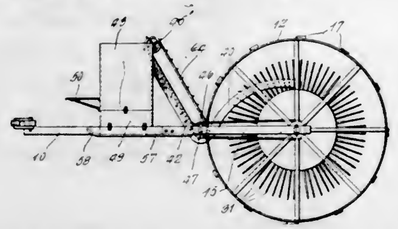
1,465,973. TRIPLANE FLYING BOAT. GLENN H. CURTISS, Buffalo, N. Y., assignor, by mesne assignments, to Curtiss Aeroplane and Motor Corporation, Buffalo, N. Y., a Corporation of New York. Filed Jan. 13, 1916. Serial No. 71,942. 11 Claims. (Cl. 244—29.)

1. In the empennage of a flying machine, a vertical rudder movable for steering the craft either to the right or left, an elevator mounted above the vertical rudder for steering the craft either up or down, and auxiliary ele-



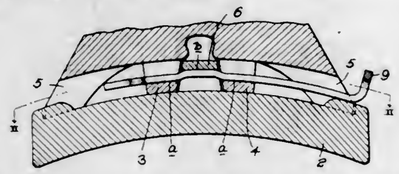
vators mounted at opposite sides of the vertical rudder and below said first mentioned elevator to supplement the steering function thereof.

1,465,974. COTTON-PICKING MACHINE. WILLIAM B. EDRINGTON, Hollywood, Miss. Filed Jan. 17, 1921. Serial No. 437,912. 4 Claims. (Cl. 56—48.)



1. In a cotton picker, the combination with a frame and traction wheels therefor of a rotating drum, means operable by said traction wheels for rotating said drum, a multiplicity of picker spindles carried by said drum, said picker spindles being arranged in rows longitudinally of said drum, the spindles of each row being staggered relatively to the spindles of the next adjacent row, a multiplicity of segmental racks supported within said drum, said picker spindles projecting into said drum and being provided with pinions, said pinions meshing with said segmental racks during a portion of the rotation of said drum, a stripper plate, said stripper plate being formed with a multiplicity of longitudinal slots, said slots being so positioned as to be in alignment with a circumferential row of picker spindles, said stripper plate being shaped so as to engage the spindles at the base thereof, said spindles not being rotated during their engagement with the stripper plate the spindles being withdrawn from the stripper plate as they travel through the slots formed therein, substantially as and for the purpose described.

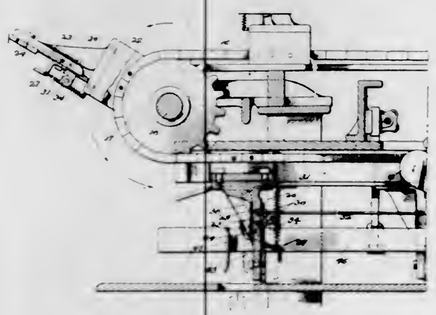
1,465,975. BRAKE-SHOE KEY. ERASTUS EMERY, Pittsburgh, Pa. Filed Sept. 29, 1921. Serial No. 504,036. 5 Claims. (Cl. 188—243.)



4. A key for connecting brake-shoes to brake-shoe heads, consisting of spaced parallel legs connected at one end, the width of the key being substantially equal to the widths of the slots in the lugs on the shoes and heads, portions of the legs intermediate the ends being bent out of line with other portions of the legs, said bent out portions

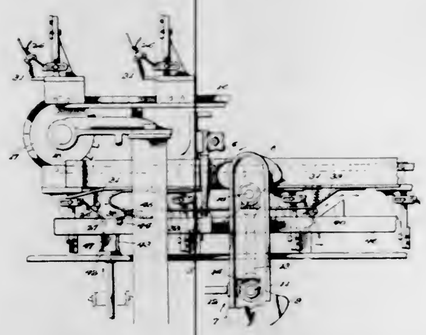
being constructed to bear on the lug of the shoe for a substantial portion of the length of the lug, the ends being bent outwardly adjacent to their ends to form shoulders lying approximately in the plane of the legs adapted to engage portions of the head and having the portions beyond the shoulders bent inwardly to guide the key when being inserted to holding position.

1,465,976. WRAPPING MACHINE. JOHN FAULL, Battle Creek, Mich., assignor to Johnson Automatic Sealer Co., Ltd., Battle Creek, Mich., a Limited Partnership Association of Michigan. Filed Feb. 9, 1921. Serial No. 443,612. 19 Claims. (Cl. 93—7.)



15. In combination, a track or way along which articles are to be fed, a conveyor for feeding said articles, an instrumentality for operating on said articles as they are so fed, and an automatically operating slidable clamp engaging said article before the operation of said instrumentality thereon, and disengaging the same after the operation of said instrumentality.

1,465,977. WRAPPING MACHINE. JOHN FAULL, Battle Creek, Mich., assignor to Johnson Automatic Sealer Co., Ltd., Battle Creek, Mich., a Partnership Association Limited of Michigan. Filed Feb. 9, 1921. Serial No. 443,613. 5 Claims. (Cl. 93—7.)



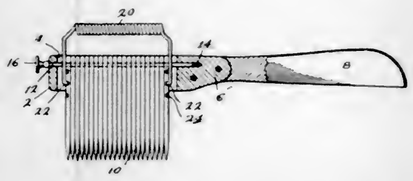
1. In a machine of the character described, the combination of folding mechanism, means for feeding cartons past said folding mechanism including a follower engaging one face of the carton, a pivoted clamp automatically engaging another face of the carton before the operation of the folding mechanism, a shoe carried by the clamp and engaging the top of the carton, and means for automatically disengaging said clamp after the operation of the folding mechanism.

1,465,978. SPARKING PLUG. STANLEY FISHER, Ealing, and WINWOOD PRIDDEY, Marylebone, London, England. Filed Mar. 30, 1920. Serial No. 369,899. 5 Claims. (Cl. 123—169.)



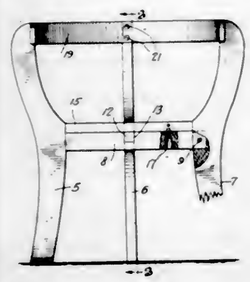
1. In a sparking plug for an internal combustion engine, a base attachable to the engine cylinder, a removable portion comprising an insulator, electrodes and projecting lugs, a cap adjustably mounted on the said base and having a flange normally engaging the said projecting lugs, the said flange being provided with slots adapted to be brought into register with the said projecting lugs for the purposes specified.

1,465,979. HAIR-STRAIGHTENER COMB. CASS A. GARDNER, Kansas City, Mo. Filed Dec. 19, 1922. Serial No. 607,814. 5 Claims. (Cl. 132—16.)



1. In a comb of the class described, a holder, individual teeth mounted in said holder, and means for yieldably-holding said teeth in engagement with each other.

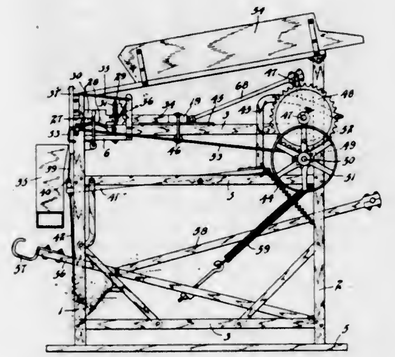
1,465,980. CHAIR. WILSON J. GILLAM, Sayville, N. Y., assignor to Sayville Furniture Company, Inc., Sayville, N. Y., a Corporation of New York. Filed May 23, 1922. Serial No. 563,095. 1 Claim. (Cl. 155—196.)



A chair having three legs, a T-shaped member having its arms secured to two of said legs and its stem secured to another said leg and an approximately semi-

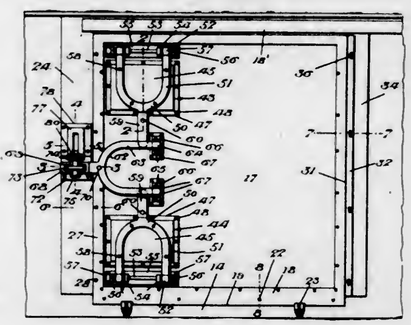
circular seat removably secured to said T-shaped member, said legs extending upward beyond said seat to produce arms and a back.

1,465,981. POTATO-CUTTING MACHINE. EMIL GORANSON, Lake Park, Minn. Filed May 8, 1922. Serial No. 559,251. 9 Claims. (Cl. 146—7.)



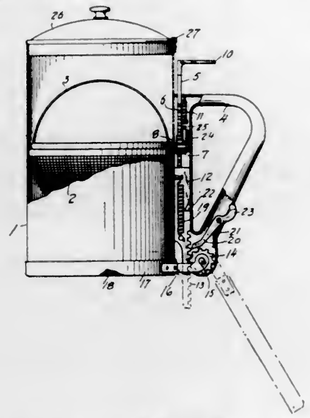
2. A machine for cutting potatoes and similar articles having in combination, a horizontally disposed knife, a plurality of sets of knives having vertically and horizontally disposed intersecting edges, adjustable substantially horizontal potato supporting means adjacent said knives, separate pushers for said first mentioned knife and each of said sets of knives, a common reciprocating crosshead carrying said pushers, and a power driving shaft constituting a crank connected to said cross head for reciprocating the same.

1,465,982. FREIGHT-CAR DOOR. JOHN L. GUERRANT, Sedalia, Mo. Filed May 25, 1920. Serial No. 384,147. 12 Claims. (Cl. 20—22.)



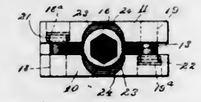
1. A freight car door having upper and lower openings, an auxiliary door for each of said openings, means for individually holding said auxiliary doors closed and engaging the car door, a single unit between said openings cooperable with the aforesaid means for holding both auxiliary doors closed, and means for the attachment of the last named means to the car door frame for holding all three doors closed.

1,465,983. FLOUR SIFTER. JACOB R. HAAS, Chicago, Ill. Filed Apr. 5, 1923. Serial No. 630,013. 14 Claims. (Cl. 83—60.)



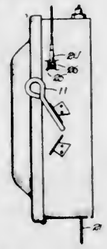
1. In a normally closed flour sifter provided with a handle rigidly affixed, a screen, an agitator, means operable by the hand gripping the handle to rotate said agitator, and means actuated by said rotating means to open the bottom of the device.

1,465,984. PRINTER'S QUOIN. HARRY H. HANCOCK, Swampscott, Mass., assignor to Henry A. Sawyer, Lynn, Mass. Filed Jan. 20, 1922. Serial No. 530,569. 4 Claims. (Cl. 254—42.)



1. In a printer's quoin, the combination of side members having inclined inner faces, which flare towards one side of the quoin, a wedge bearing on said faces and having a screw-threaded opening, a headed screw engaged in said opening, the side members having cavities at the opposite side of the quoin in which the head of the screw is countersunk, and said cavities being open to the two remaining sides of the quoin, and the screw-head being approximately the width of the side members when they are contracted, and guide means for the side members during their expansion and contraction.

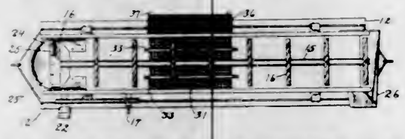
1,465,985. ELECTRICAL-SWITCH INCLOSURE OR CABINET. BRYSON D. HORTON, Detroit, Mich., assignor to Square D Company, Detroit, Mich., a Corporation of Michigan. Filed May 26, 1922. Serial No. 563,848. 5 Claims. (Cl. 247—1.)



1. In a device of the character described, in combination, the wall of a switch inclosure comprising outwardly

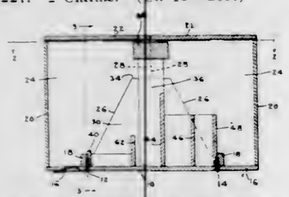
extending projections, inwardly projecting bosses, means inserted through said wall adjacent said projections, and a grounding lug, said projections and bosses cooperating with said means and lug to insure good electrical contact between the said wall and the said lug.

1,465,986. SCREENING MACHINE. CHARLES E. JOHNSON, Pillager, Minn. Filed July 5, 1921. Serial No. 482,168. 2 Claims. (Cl. 130—32.)



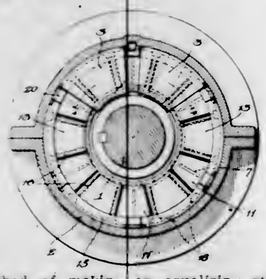
1. In a screening machine, the combination of an inclined trough having a cribble in its bottom and an endless flexible conveyor for moving material over the cribble, a frame depending from the trough below the cribble, a chute at the bottom of the frame, and an inclined screen interposed between the cribble and chute, the discharge end of the screen extending beyond the like end of the chute.

1,465,987. SHOE-SHINING CABINET. HENRY JOHNSON, Minneapolis, Minn. Filed May 28, 1921. Serial No. 473,227. 2 Claims. (Cl. 15—265.)



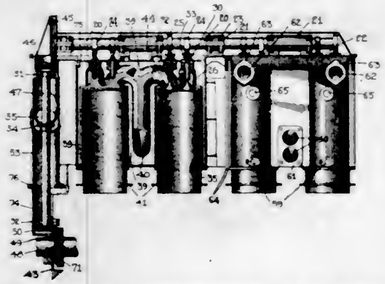
1. A cabinet comprising a bottom member, two end members secured to said bottom member and having upwardly converging edges, and two closure members hinged to the opposite edges of said bottom member, each of said closure members having a narrow wall which when the cabinet is closed forms a continuation of said bottom member and having end walls with inclined edges which when the cabinet is closed engage said upwardly converging edges and having a side wall adapted to rest upon the floor when the cabinet is partly open and having a top wall at right angles to said side wall adapted to rest upon the floor when the cabinet is fully opened.

1,465,988. METHOD OF MAKING PRESSURE-DISTRIBUTING STRUCTURES. ALBERT KINGSBURY, Pittsburgh, Pa. Original application filed Jan. 23, 1918, Serial No. 213,287. Divided and this application filed Feb. 25, 1921. Serial No. 447,693. 18 Claims. (Cl. 29—149.5.)



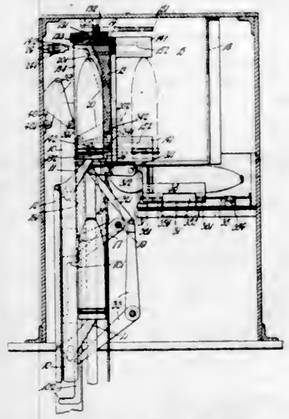
1. A method of making an equalizing structure for thrust bearings that comprises forming radial holes in a ring and dividing the ring into plates by cuts disposed tangentially to said holes on opposite sides thereof.

1,465,989. AERONAUTICAL MOTOR. CHARLES B. KIRKHAM, Buffalo, N. Y., assignor to Curtiss Aeroplane and Motor Corporation, a Corporation of New York. Filed Mar. 26, 1917. Serial No. 157,451. 10 Claims. (Cl. 123—59.)



1. In an internal combustion engine, a plural member of cylinders arranged in bank and having a water jacket, each cylinder having an exhaust port and a plural number of intake ports for exhausting spent gas and admitting fuel gas respectively therefrom and thereto, and separate fuel supply conduits arranged between cylinders, said conduits having substantial portions parallelly arranged with reference to said cylinders and wholly contained within and passing thru said water jacket for supplying fuel gas to the corresponding intake ports of the cylinders between which said conduits are arranged.

1,465,990. AMMUNITION HOIST ESPECIALLY SUITABLE FOR USE ON BOARD SHIP. HUGH WARREN LEE and JOHN WINDLOW SWINDALE, Newcastle-upon-Tyne, England, assignors to Sir W. G. Armstrong, Whitworth and Company, Limited, Newcastle-upon-Tyne, England. Filed Mar. 27, 1923. Serial No. 628,047. 23 Claims. (Cl. 89—46.)

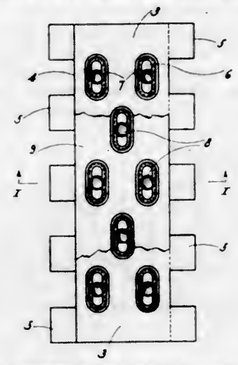


23. In an ammunition hoist means for conveying ammunition in the hoist, frames at each end of the hoist, means for traversing the frames, a casing rotatably mounted in each frame and means for rotating the casings.

1,465,991. MEANS FOR ELIMINATING FRICTION BETWEEN THE LAMINATIONS OF LEAF SPRINGS. BERTRAM CHARLES MANBY, Brisbane, Queensland, Australia, assignor to Charles Edward Manby, Carnegie, Pa. Filed July 11, 1922. Serial No. 574,204. 3 Claims. (Cl. 267—49.)

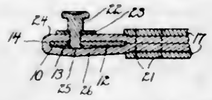
2. In combination in a laminated spring having a plurality of superposed leaves, spacers for separating the

leaves at the spring center, an anti-friction spacing device between adjacent leaves at the spring-points comprising a disk having a longitudinal guiding slot through its body portion, marginal ribs at the sides of the slot for embracing the anti-friction ball, water and dust excluding strips



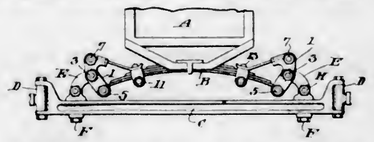
provided with recesses aligned with those in the said disk and of sufficient size to receive the said ribs, an anti-friction ball within the guiding slot adapted to contact the faces of adjacent leaves, means for binding the leaves together at the spring center, and a clip for retaining the parts in operative assembled relation at the spring-points.

1,465,992. GARTER TRIMMING. ROSWELL A. MOORE, Waterbury, Conn., assignor to Waterbury Buckle Co., Waterbury, Conn., a Corporation. Filed Oct. 22, 1921. Serial No. 509,662. 1 Claim. (Cl. 241—6.)



In a garter-trimming, the combination with a loop of webbing, of an oblong-shaper plate corresponding in length to the width of the webbing composing the said loop and corresponding in width to the length of the loop within which the said plate is located to maintain it in flattened form and prevent it from collapsing, a washer imposed upon the upper reach of the said loop, a shouldered cast-off stud carrying the said washer and passed downward through the upper reach of the said loop and through the perforation in the said shaper plate and headed down upon the lower face thereof and covered by the lower reach of the said loop; and a cast-off eye for co-action with the said cast-off stud.

1,465,993. SHOCK ABSORBER. PATRICK J. MURRAY and MATTHEW L. CLARK, Carbondale, Pa. Filed July 29, 1922. Serial No. 578,408. 4 Claims. (Cl. 267—19.)

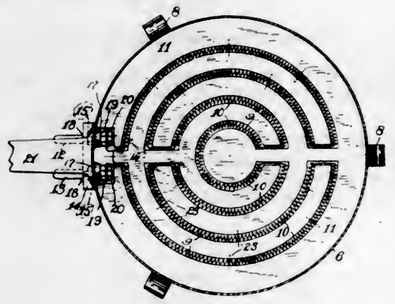


1. A shock absorber adapted to be used with the usual axle supported posts and chassis supporting spring of a vehicle, comprising members pivotally carried by said posts and to the lower ends of which said spring is connected, an auxiliary spring carried by the upper end of the members, a shackle surrounding the supporting spring and connected to the auxiliary spring, and means on said members engaging the edges of the auxiliary spring to hold it against free movement relative to the members.

1,465,994. MANUFACTURE OF ARTIFICIAL FILAMENTS, THREADS, AND FILMS. CHARLES WILFRED PALMER and WILLIAM ALEXANDER DICKIE, Spondon, near Derby, England, assignors to Henry Dreyfus, London, England. Filed Dec. 20, 1921. Serial No. 523,758. 4 Claims. (Cl. 18—54.)

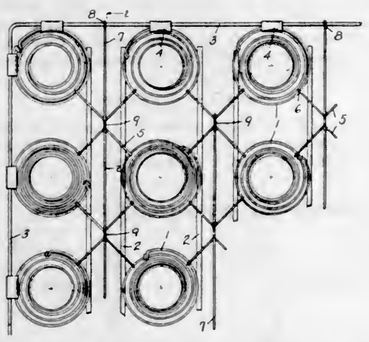
4. In a process for the manufacture of filaments, threads or films, extruding a solution comprising cellulose acetate and acetone into an aqueous coagulating bath containing ammonium thiocyanate in solution.

1,465,995. ELECTRIC COOKING AND HEATING APPARATUS. ROBERT E. PEARSON, Yonkers, N. Y. Filed Mar. 16, 1922. Serial No. 544,104. 6 Claims. (Cl. 219—43.)



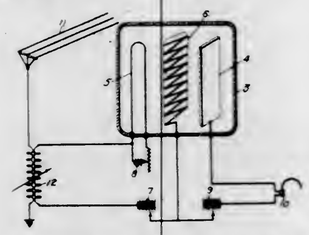
1. In an electric cooking utensil, a casing, a receptacle suspended in the casing, said receptacle and casing being constructed and arranged to provide an air space between the receptacle and casing, a resistance coil, and a carrier for said coil of non-conducting and heat insulating material interposed between the bottom of the receptacle and casing, said coil being mounted in the upper face of said carrier adjacent and exposed to but out of contact with the bottom of the receptacle.

1,465,996. SPRING STRUCTURE. HERMAN O. REIDENBACH, Detroit, Mich., assignor to L. A. Young Industries, Inc., Detroit, Mich. Filed Aug. 14, 1922. Serial No. 581,745. 12 Claims. (Cl. 5—267.)



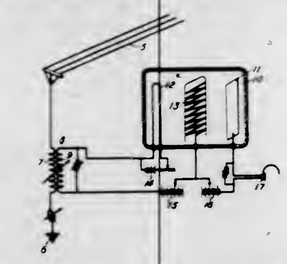
1. In a spring structure, the combination of a border frame, a plurality of springs arranged in rows, V-shaped tie members disposed in coacting pairs with their ends connected to adjacent springs and their bights adjacent, and cross wires disposed between the rows of springs with one end connected to the border frame, and having loop-like offsets therein providing eyes with restricted openings permitting the engagement and disengagement of the bights of coacting pairs of tie members therewith.

1,465,997. ELECTRON-TUBE APPARATUS. HARVEY C. RENTSCHLER, Wilkinsburg, Pa., assignor to Westinghouse Lamp Company, a Corporation of Pennsylvania. Filed Feb. 27, 1919. Serial No. 279,581. 15 Claims. (Cl. 250—27.)



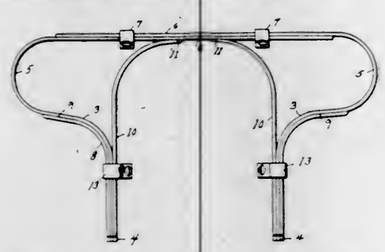
1. In an electron tube, the combination with an electron source, of a plate electrode, and an intervening screen electrode, said tube being filled with a medium exhibiting the phenomenon of resonance.

1,465,998. DETECTOR TUBE. HARVEY C. RENTSCHLER, Wilkinsburg, Pa., assignor to Westinghouse Lamp Company, a Corporation of Pennsylvania. Filed Feb. 27, 1919. Serial No. 279,582. 8 Claims. (Cl. 250—27.)



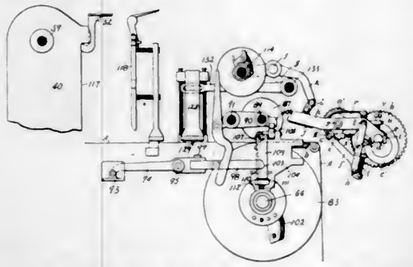
1. In an electron-tube system, the combination with a tube provided with an electron-emitting cathode, an anode and an intervening conducting screen in a medium exhibiting the phenomenon of resonance, of means for maintaining said anode positive with respect to said cathode, means for maintaining said screen positive with respect to each of the remaining electrodes, said last-named means being so adjusted that the plate current is at a maximum or a minimum value because of the effect of electron reflection or secondary emission from the anode, and means for modulating the potential of said screen with respect to said cathode.

1,465,999. AUTOMOBILE BUMPER. JOHN G. SCHMIDT, Springfield Gardens, N. Y. Filed Mar. 14, 1923. Serial No. 625,101. 1 Claim. (Cl. 293—55.)



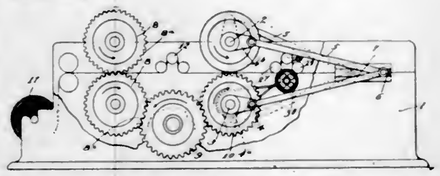
In an automobile bumper, comprising a pair of L-shaped bars, means for fastening the free ends of said bars together to form a bumper, means for securing the opposite ends of said bars to the goose necks of an automobile, a plate positioned on the outside of each of the above mentioned bars for reinforcing the same, and a plate positioned on the inner side of each of the bars and adapted to engage the free ends of said first mentioned bars for reinforcing the same intermediate their ends.

1,466,000. PRINTING ATTACHMENT FOR WRAPPING MACHINES. HENRI A. SÉVIGNÉ, Winthrop, Mass., assignor to National Bread Wrapping Machine Company, Boston, Mass., a Corporation of Massachusetts. Filed Mar. 5, 1920. Serial No. 363,478. 3 Claims. (Cl. 93—2.)



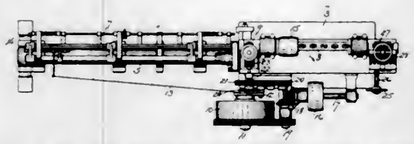
1. A wrapping machine having means for intermittently feeding a web of paper and cutting wrapper sections of automatically variable lengths therefrom, and printing means for applying a succession of single impressions to the paper at intervals spaced to accord with the spacing of the cuts which divide the web into sections, whereby each section will have a single impression at a predetermined distance from an end edge thereof.

1,466,001. ROTARY PUNCH AND DIE MECHANISM. ALBERT W. METZNER and JOHN Q. SHERMAN, Dayton, Ohio; said Metzner assignor to said Sherman. Filed June 1, 1920. Serial No. 385,545. 28 Claims. (Cl. 164—28.)



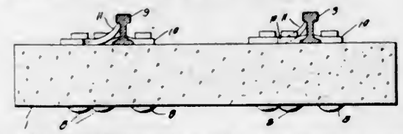
1. A punching mechanism for the purpose described and having rotary members, comprising in part punch elements and die elements, the same being adapted to contact with each other to effectuate a punching operation, and means in the die element engaging the punched out material and then ejecting it from the die elements, by a force exerted therethrough in the opposite direction to that of the punch elements, said means adapted to be moved out of their way by the punches.

1,466,002. WIRE STRAIGHTENING AND CUTTING MACHINE. ELMORE F. SHUSTER, New Haven, Conn. Filed Jan. 25, 1921. Serial No. 439,885. 4 Claims. (Cl. 140—140.)



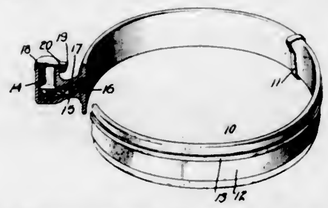
1. A wire straightening and cutting machine comprising a straightening arbor, a machine shaft mounted on the frame of the machine and with its axis parallel with the axis of said arbor, a flywheel shaft with its axis located at right angles to the axis of said machine shaft, cutting off mechanism connected with said flywheel shaft, feed rolls with their axes located parallel with said flywheel shaft, a connecting shaft a toothed geared connection between said machine shaft and said flywheel, and another toothed geared connection between said connecting shaft and said feed rolls.

1,466,003. REENFORCED-CONCRETE RAILROAD TIE. WILLIAM C. TEMPLE, Munsen, Fla. Filed Nov. 1, 1922. Serial No. 598,353. 1 Claim. (Cl. 238—89.)



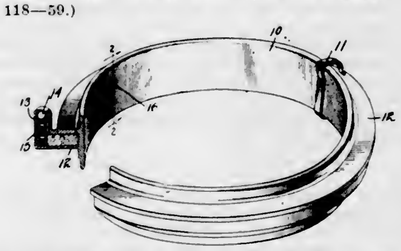
A tie having a concrete body, a frame embedded therein having longitudinal plates, cross rods spanning and extending through and beyond the outer sides of the plates, cross rods having shoulders engaged by the inner sides of the plates, nuts threaded on said cross rods beyond the outer sides of the plates and terminating relatively close to the sides of the body and being completely embedded in the body, and positioning tubes for rail securing bolts disposed through the body at a right angle to said cross rods, and one of said tubes passing between and directly engaging certain of said cross rods.

1,466,004. LUBRICATING MEANS FOR TWISTER RINGS. DONIGAN D. TOWERS, Baltimore, Md. Filed Apr. 8, 1922. Serial No. 550,749. 5 Claims. (Cl. 118—59.)



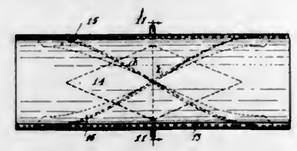
1. In a twister ring an oil cup supported on the exterior of the ring and having an opening at the bottom for communication with the inner face thereof said connection comprising an upwardly inclined passage, and means within the passage for feeding liquid oil up the passage from the oil cup to the inner face of the ring, substantially as set forth.

1,466,005. LUBRICATING MEANS FOR TWISTER RINGS. DONIGAN D. TOWERS, Baltimore, Md. Filed June 3, 1922. Serial No. 565,690. 2 Claims. (Cl. 118—59.)



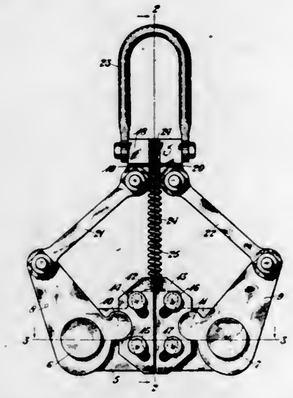
1. In combination, a twister ring formed with an annular reservoir around its outer surface and with an aperture leading from the inner surface downwardly into said reservoir, and a feeder mounted in said aperture with one end in said reservoir and the other end in line with the inner surface of said twister ring, substantially as set forth.

1,466,006. APPARATUS FOR PRODUCING AND UTILIZING COMBUSTIBLE MIXTURE. SAMUEL TROOD, Pittsburgh, Pa. Filed Sept. 14, 1922, Serial No. 410,350. Renewed June 16, 1923. 6 Claims. (Cl. 158—73.)



1. A device for producing and utilizing combustible mixture, which includes a shell having a channel therethrough, a plug or abutment secured in said shell, the side walls of said plug and the walls of said channel cooperating to form a plurality of Venturi passages, in combination with means for feeding a combustible substance into said channel at the most constricted portion of said Venturi passages.

1,466,007. WIRE GRIP. CLIFFORD J. WALTON, Collingswood, N. J., assignor to American Telephone and Telegraph Company, a Corporation of New York. Filed Nov. 28, 1919. Serial No. 341,064. 4 Claims. (Cl. 24—134.)

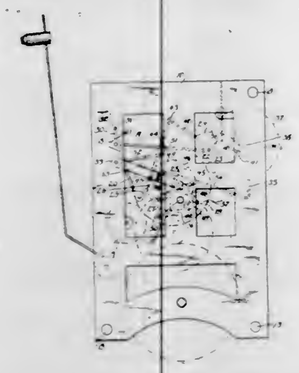


1. A gripping device comprising a body member, a pair of jaws mounted thereon, pivotal bearings in said jaws, actuating levers mounted on said body member independently of said jaws, lugs associated with said actuating levers and engaging the pivotal bearings in said jaws for causing the opening and closing thereof, and means independent of the lugs for determining the movement of the jaws with respect to the body member.

1,466,008. CHIME CLOCK. FREDERICK WEHINGER, Waterbury, Conn., assignor to Waterbury Clock Co., Waterbury, Conn., a Corporation. Filed Dec. 2, 1922. Serial No. 604,479. 4 Claims. (Cl. 58—13.)

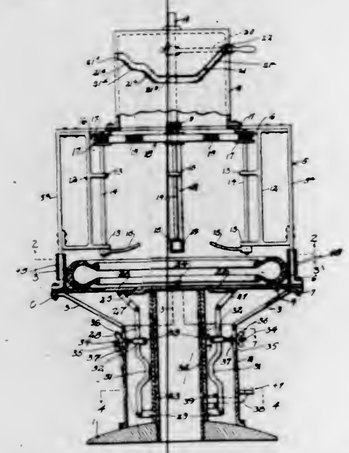
1. A chime clock having time and chime-trains, and a frictionally-controlled chime-correcting unit moved into its guard position for preventing the chime from sounding by the chime-train, and into its clearance position under the control of the time-train, the said unit comprising a rocking-arbor journaled at its ends in plates of the move-

ment and carrying a guard-member and a guard-operating member mounted upon it between its ends, so as to be posi-



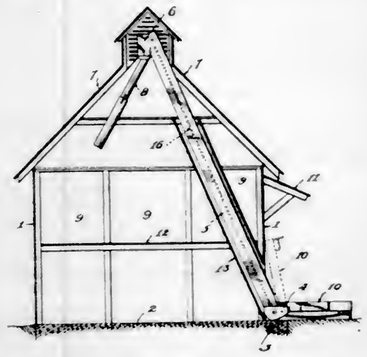
tioned between the plates in which they are journaled for co-action, respectively, with the chime and time trains of the clock.

1,466,009. TIRE-TUBING MACHINE. HARRY ABSOLAM WEIDAW, Akron, Ohio. Filed Sept. 29, 1922. Serial No. 591,368. 13 Claims. (Cl. 154—9.)



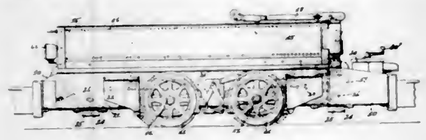
7. In a machine of the character described, a table for supporting a tire casing, a plurality of circularly arranged plates normally positioned substantially in the plane of the table and remote from the outer edge thereof, a plurality of vertical shafts rotatably and slidably mounted above the plates, fingers secured on the lower portions of the shafts, an operating shaft positioned centrally of the vertical shafts, a disc secured on said operating shaft and having peripheral gear segments, pinions secured on the vertical shafts and positioned to mesh with the gear segments of the disc, means for lowering and raising the operating shaft and simultaneously rotating the same, the gear segments of the disc being positioned to mesh with said pinions when the shaft is in its lowermost position and being of such length as to turn each of the vertical shafts through an arc of approximately 180°, and means for raising and lowering the vertical shafts simultaneously with and similarly to raising and lowering of the disc.

1,466,010. GRANARY AND ELEVATOR CONSTRUCTION. JOSEPH F. WITTLER, Chatsworth, Ill. Filed Dec. 7, 1921. Serial No. 520,489. 6 Claims. (Cl. 214—16.)



1. The combination with a building including a series of bins for the storage of grain, of an elevator substantially straight throughout its length erected in said building with its head disposed in the top thereof centrally of the said series of bins, its lower end and boot extending to an outer wall of the building, there being an opening in the wall through which material is elevated.

1,466,011. ELECTRIC LOCOMOTIVE. WILLIAM R. YOUMANS, Ironton, Ohio, assignor to The Ironton Engine Company, Ironton, Ohio, a Corporation of Ohio. Filed Dec. 2, 1920. Serial No. 427,789. 6 Claims. (Cl. 105—30.)

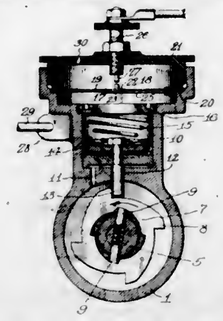


1. An electric locomotive comprising a main frame, driving wheels, axles for said driving wheels, a trolley mechanism, a storage battery, a driving mechanism flexibly connecting said axles and constructed and arranged so that all said wheels are drivers, an electric motor on said frame and provided with sectional field windings to permit "split field" control and connected to the driving mechanism and adapted to utilize high voltage current from the trolley mechanism, a second electric motor on said frame and also provided with sectional field windings to permit "split field" control and connected to the driving mechanism and adapted to utilize low voltage current from said storage battery, a controller comprising two sets of resistance contacts adapted to introduce starting resistance and secure the desired speed combination, and two sets of auxiliary contacts constructed, arranged and movable independently of the resistance contacts and adapted respectively to connect the trolley mechanism and resistance contacts in circuit with the high voltage motor or to connect the battery and the resistance contacts in circuit with the low voltage motor.

1,466,012. CIRCUIT BREAKER. CLAUDE A. BOWLUS, Birmingham, Mich. Filed Oct. 27, 1919. Serial No. 333,544. 10 Claims. (Cl. 200—30.)

1. In a circuit breaker wherein a circuit is adapted to be intermittently broken during each revolution of a rotary member, a diaphragm, a fixed contact at one side thereof,

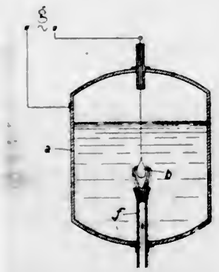
a relatively movable contact carried by the opposite side of said diaphragm and extending therethrough, and means



axially of said diaphragm and actuated by virtue of said rotary member adapted to flex said diaphragm to cause said movable contact to engage said fixed contact.

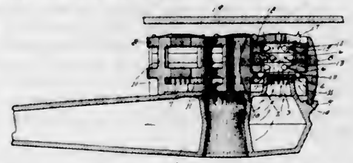
2. A circuit breaker as characterized in claim 1, wherein said diaphragm may be further flexed after said movable contact has engaged said fixed contact.

1,466,013. ELECTRODE STEAM BOILER. JACOB BUCHLI, Baden, Switzerland, assignor to Aktiengesellschaft Brown, Boveri & Cie., Baden, Switzerland. Filed June 2, 1921. Serial No. 474,326. 4 Claims. (Cl. 219—39.)



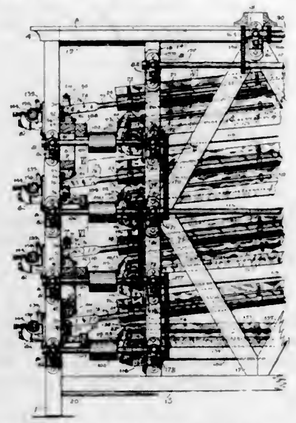
1. An electrically heated steam generator including a boiler shell, an electrode projecting into the boiler water, a pipe projecting through the boiler shell and adapted to deliver a stream of water over the electrode in a direction substantially coincident with the direction of flow of the water due to convection for the purpose of cooling the electrode and carrying off the steam bubbles which are given off by the electrode during operation.

1,466,014. GAS BURNER. EDWARD G. GERMER and EDWARD GERMER, Jr., Erie, Pa. Filed Dec. 24, 1921. Serial No. 524,582. 13 Claims. (Cl. 158—99.)



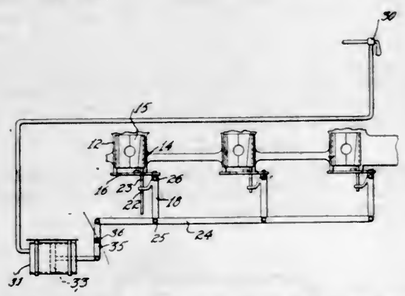
9. In a burner, the combination of a jet; a radiant above the jet; a grid on the radiant; inwardly extending projections on the radiant; and interlocking protuberances and indentures on the grid and radiant positioning the grid with relation to the radiant to stagger the grid relatively to the projections.

1,466,015. GRADER. CHARLES A. HARTLEY, Silverton, and JESSE R. MEHO, Salem, Oreg. Filed Nov. 13, 1922. Serial No. 600,707. 8 Claims. (Cl. 130—32.)



1. In a grader, the combination of a pair of rotatable elongated rolls arranged side by side and spaced apart to form therebetween an open bottomed open ended trough adapted to receive material to be separated and to permit said material to travel longitudinally thereof, whereby the smaller elements of the material may pass thru between said rolls and the larger elements may discharge endwise therefrom, means for gathering the material passing thru between the rolls and means for collecting the material discharged endwise from said rolls and means for rotating the rolls in opposite directions with their adjacent peripheral elements travelling upwardly.

1,466,016. WEDGE-ADJUSTING DEVICE FOR JOURNAL BOXES. FRANK R. HARVEY, Blossburg, Pa., assignor of one-half to Wilford S. Safford, Blossburg, Pa. Filed Dec. 31, 1920. Serial No. 434,303. 4 Claims. (Cl. 105—81.)



1. The combination with a wedge for setting up a journal box, to compensate for wear, of air controlled means for imparting movement to the wedge.

1,466,017. ILLUMINATED LICENSE NUMBER FOR AUTOMOBILES. CHRISTIAN J. HEMMERT, Wapakoneta, Ohio. Filed Mar. 7, 1922. Serial No. 541,694. 1 Claim. (Cl. 40—132.)

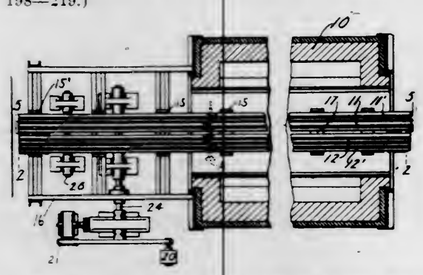
An illuminated license number plate holder comprising a rectangular frame which is recessed at its edges, a transparent panel and a stenciled plate fitting at their edge portions in the recess, a cover member for the back, top, bottom and ends of the frame and having flanges covering the front edges of the frame and of the plate and holding the latter and the panel in the recess, the

intermediate body portion of the cover member and the panel and plate lying in parallel planes and an electric



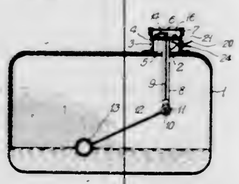
bulb located in the upper portion of the frame between the cover and the transparent panel and at a point above the stenciling in the plate.

1,466,018. FEEDING MECHANISM. WILLIAM M. HEPBURN, New York, N. Y., assignor to The Surface Combustion Co, Incorporated, New York, N. Y., a Corporation of New York. Filed Mar. 22, 1921, Serial No. 454,589. Renewed Feb. 6, 1923. 3 Claims. (Cl. 198—219.)



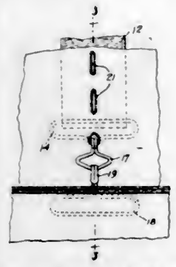
1. Mechanism for moving an article having spaced transverse members, comprising two rails having operative surfaces so located as to cooperate with said spaced transverse members respectively, and means for causing a relative reciprocatory movement between said rails having a component longitudinal of the rails, the operative surface of each rail being formed to prevent rearward movement of the article relative to the rail by engagement with the transverse member with which it cooperates and to raise said transverse member and pass under it during relative rearward movement of the rail with respect to the article.

1,466,019. ELECTRIC GAUGE. CHARLES S. KELLUM, Detroit, Mich. Filed June 6, 1918. Serial No. 238,459. 1 Claim. (Cl. 219—75.)



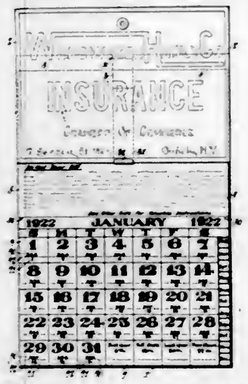
In an electric gauge, a resistance embodying a homogeneous mass providing a continuous uninterrupted flat contact face in which the molecular constituents may afford a resistance of the lowest degree, and means movable on the face of the mass and having a constant intimate bearing on the face of the mass so that the least possible movement of said means produces a resistance differing from the resistance provided by the original position of said means.

1,466,020. GARMENT SUPPORTER. VASIL RAYNOVITCH KOZLOFF, New York, N. Y. Filed Apr. 27, 1921. Serial No. 464,899. 3 Claims. (Cl. 241—25.)



2. A garment supporter including a suspending element and attaching elements, said suspending element being adapted to be secured to the end of a suspender, said attaching element being secured to a nether garment and adjacent the waist band of the same, a shirt adapted to over lie said suspender, said shirt being formed with a series of openings through one of which a portion of said suspending element is adapted to pass.

1,466,021. INDEX RECKONER CALENDAR. JOHN H. KULOW, Buffalo, N. Y. Filed Apr. 24, 1922. Serial No. 556,300. 2 Claims. (Cl. 40—119.)

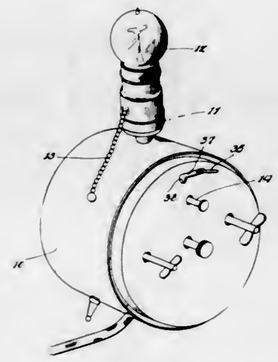


1. In a calendar of the character described, a base comprising an upper and a lower section, the lower end of the upper section lapping the upper end of the lower section, the said upper end of the lower section having a downwardly extending notch, a flat spring metal clamp having a turned back hook portion that fits within the notch and clamps over the upper end of the lower base section and which has a turned up flange at its lower end that clamps the lower edge of the upper base section, a date pad consisting of calendar sheets having the usual month and days of the month indicia thereon, the said pad of sheets having their upper ends attached to each other and to the base with their upper edge spaced from the lower edge of the overlapping top base section whereby provision is made for folding back the matured month sheets and tucking them between the overlapped portions of the upper and lower base sections and under the spring metal clamp.

1,466,022. LUBRICATING COMPOUND. HATSUGORO KURATA, Nagasaki, Japan. Filed Aug. 11, 1917, Serial No. 185,746. Renewed Dec. 12, 1922. 1 Claim. (Cl. 87—9.)

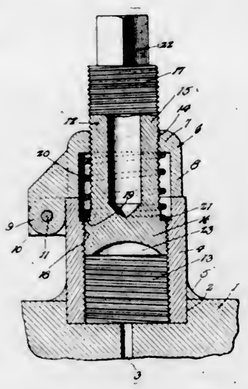
A lubricating compound of the class described, consisting of fifty parts of a mineral oil, one hundred and fifty parts of water, forty parts of a soy bean albumen, two parts of phenolic preservatives, and four parts of sodium carbonate.

1,466,023. ALARM CLOCK WITH AUTOMATICALLY-LIGHTED LAMP. OTTO LAMACCHIA, Bridgeport, Conn. Filed May 17, 1922. Serial No. 561,665. 1 Claim. (Cl. 58—19.)



In a device of the class described including an alarm clock having a spring actuating alarm starter; a carrier adapted to be secured on the clock, a pair of spaced insulating blocks on said carrier, a pole on each of said blocks situated in a lamp circuit, a flexible conductor attached to one of said poles and normally out of contact with said other pole, a lever fulcrumed on said carrier having a short arm engaging with said flexible conductor and a long arm engaging with said starter spring and adapted to close the contact actuated by said starter spring, and a hand lever journaled on said carrier adapted to engage said short arm and to close the contact independent of said starter spring.

1,466,024. GREASE CUP. ANTHONY P. LIEDER and JOSEPH F. SMITH, Jackson, Mich. Filed May 5, 1921. Serial No. 467,047. 1 Claim. (Cl. 184—88.)



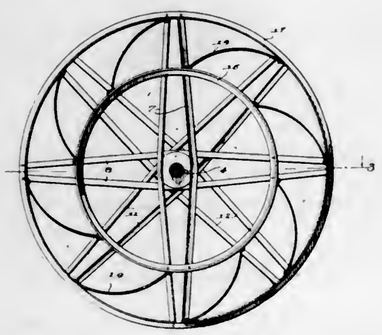
In a device of the class described, a cup having a threaded bore terminating adjacent its upper end and having the upper portion of its bore smooth, a lid hingedly connected with the cup and having a threaded opening in its top, the threads of said opening being of the same pitch as the threads in the cup, and the bore of the lid being smooth, a follower having threaded engagement with the bore of the cup, a stem rising from the follower and rotatably engaged in the threaded opening in the lid, and a spring coiled around the stem between the follower and the lid in the smooth-bore portion of the lid and the cup with its ends acting on the lid and the follower to resist reverse rotation of the follower and the stem.

1,466,025. APPARATUS FOR MAKING WIRE GLASS. NOAH A. LISTON, Glassport, Pa. Filed Sept. 10, 1920. Serial No. 409,404. 3 Claims. (Cl. 49—32.)



1. An apparatus for making wire glass, which includes a roll formed of series of annuluses or rings mounted on a core, the said rings having serrations, the serrations on one ring being out of horizontal alignment with the serrations on the adjacent ring.

1,466,026. WIND TURBINE. EBENEZER H. MANNING, Elkhart, Ind. Filed Feb. 24, 1922. Serial No. 538,915. 6 Claims. (Cl. 170—36.)

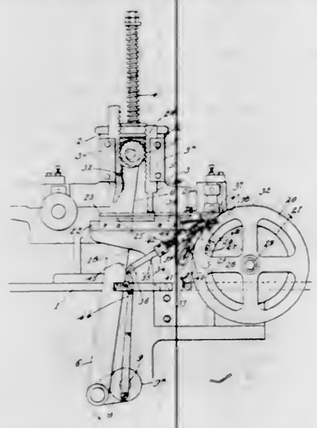


1. A wind power device comprising a rotor frame supported for rotation about a vertical axis, and a plurality of vanes carried by said frame in a circular series about the axis of said frame, each of said vanes having the horizontal sectional contour of an arc of a parabola and being arranged upon the frame with the inner edge thereof terminating in advance of the radial plane of the outer edge thereof.

1,466,027. PRINTING PRESS. ALBERT W. METZNER, Dayton, Ohio, assignor to The Standard Register Company, Dayton, Ohio, a Corporation of Ohio. Filed May 20, 1920. Serial No. 382,879. 31 Claims. (Cl. 101—317.)

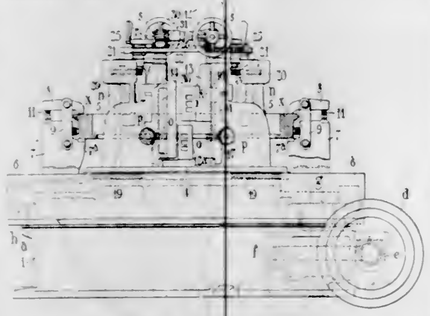
1. The combination with a movable cross head for a printing press, for normal printing, of means for altering

the path of operation of the movable cross head, cancellation devices mounted on said cross head, and means



for moving said devices into position to print during the altered position of the cross head.

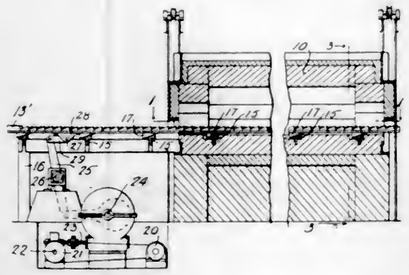
1,466,028. MACHINE FOR BORING TIRES AND THE LIKE. JOHN MILEY, Reddish, near Stockport, England, assignor to Craven Brothers (Manchester) Limited, Reddish, England. Continuation of application Serial No. 489,664, filed Aug. 4, 1921. This application filed Apr. 8, 1922. Serial No. 550,715. 5 Claims. (Cl. 77—4.)



1. A machine for boring tires or the like, including in combination a stationary base, a tool carrier detachably mounted thereon, a similar tool carrier detachably mounted on said base in a position facing said first-mentioned tool carrier, a hollow circular platform having an internal gear rotatably carried upon and surrounding said base, means for clamping tires or the like to said platform, means for rotating said platform, a tool slidably supported upon each of said tool carriers and a gear wheel meshing with said internal gear and having connections for operating said tools relatively to their respective carriers.

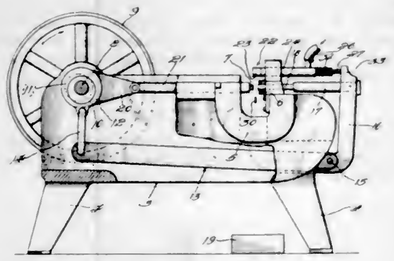
1,466,029. FEEDING MECHANISM. ARTHUR W. PETERS, New York, N. Y., assignor to The Surface Combustion Co. Incorporated, New York, N. Y., a Corporation of New York. Filed Mar. 22, 1921. Serial No. 454,343. 7 Claims. (Cl. 198—219.)

1. Mechanism for moving an article, comprising two rails, each having an operative surface comprising a series of spaced engaging surfaces approximately perpendicular to the rail, and adapted to prevent rearward movement of the article relative to the rail and a series of rearwardly sloping surfaces alternating with said engaging surfaces materially greater in length than said engaging surfaces and inclined to the rail at an angle



materially less than 45°, said rearwardly sloping surfaces being adapted to permit relative rearward movement of the rail with respect to the article, and means for causing between the rails a relative reciprocatory movement having a large component longitudinal of the rails and a small component transverse to the rails.

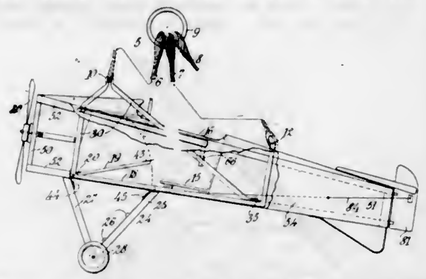
1,466,030. PUNCH PRESS. JUAN H. REECE, Joliet, Ill., assignor to Rex Steel Stamping Company, Joliet, Ill., a Corporation of Illinois. Filed Oct. 30, 1920. Serial No. 420,610. 2 Claims. (Cl. 164—86.)



1. The combination with the stationary female die and the reciprocating male die and the knockout device of a horizontal punch press, of a nozzle for compressed air adjacent to the delivery end of the female die and adapted to deliver compressed air onto an article ejected from said die, suitable connections for delivering compressed air to said nozzle, a valve in said connections, and means for opening and closing said valve in timed relationship to the operations of the male die and knockout device, to thereby deliver puffs of compressed air from said nozzle in synchronous and timed relationship to the operations of the knockout device for ejecting punched articles, substantially as described.

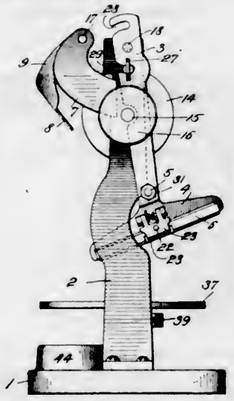
1,466,031. AEROPLANE TOY. JAMES Y. RIPPIN, New York, N. Y. Filed Sept. 5, 1919. Serial No. 321,869. 11 Claims. (Cl. 155—58.)

1. A swing comprising a body having a seat therein, and lateral projections in the form of an aeroplane, suspension means for said body, said body having an underside opening therein for the occupant to enter, and a



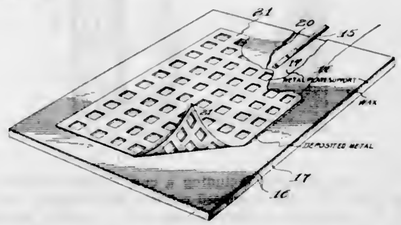
ladder carried by the swing leading to said opening, said ladder being in the form of an under-frame simulating a running or landing gear.

1,466,032. APPARATUS FOR TAKING AND PRESERVING FINGERPRINT IMPRESSIONS. PATRICK RYAN, Astoria, N. Y. Filed Mar. 29, 1922. Serial No. 547,667. 11 Claims. (Cl. 41—4.)



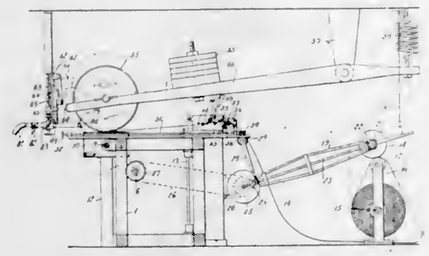
1. In an apparatus for taking and preserving fingerprint impressions, the combination with the frame having uprights and foldable extension arms pivoted to said uprights, of an impression bed supported between the uprights, and an ink-applying platen carried by the foldable arms.

1,466,033. METHOD OF MANUFACTURING FILIGREE METAL LAMP SHADES. ALFRED E. SHEPHERD, Flint, and EDWARD G. LOVERING, Detroit, Mich. Filed Mar. 11, 1922. Serial No. 542,897. 4 Claims. (Cl. 204—8.)



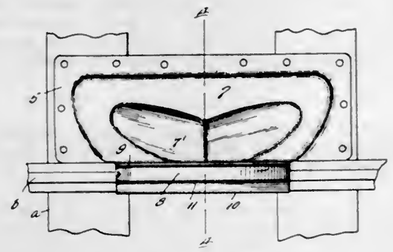
1. The art of making by electro-deposition in metal filigree a reproduction of a perforated paper sheet which consists in coating one surface of such sheet with a conducting medium, applying the opposite surface thereof to the waxed surface of a metal plate to be used as one terminal in an electro deposition bath so that the paper sheet will adhere to such waxed surface to be supported thereby, removing a portion of the wax to establish direct connection between the coated surface of the paper and the body of the plate, and electrically depositing metal on such metal coated surface of the paper sheet.

1,466,034. MANUFACTURE OF POLYHEDRAL LAMINATED ARTICLES. GEORGE C. SNYDER, New York, N. Y. Filed Dec. 18, 1919. Serial No. 345,746. 19 Claims. (Cl. 93—81.)



1. The improvement in the manufacture of polyhedral laminated articles by superposing convolutions of adhesive coated sheet material by winding, which comprises laying down convolutions of sheet material while under tension upon preceding convolutions by a substantially uniform pressure of considerable magnitude.

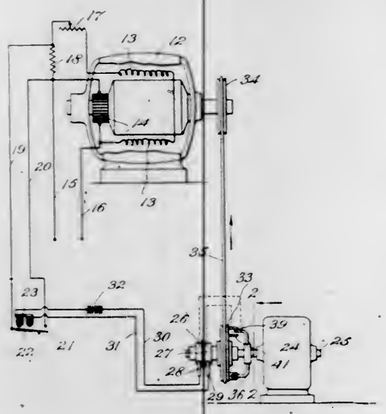
1,466,035. CAR RERAILER. HARRY J. THOMAS, Greensboro, N. C. Filed Apr. 7, 1923. Serial No. 630,438. 1 Claim. (Cl. 104—265.)



In a car rerailer, a casting embodying an upwardly bulged hollow member open at its bottom and formed with its outer side and ends curving inwardly and upwardly toward the rail and above the latter, said member being further formed with a wing-shaped flattened upper portion inclined longitudinally from the center of said member downwardly toward its opposite ends and laterally toward the rail, the ends of said flattened top portion diverging from the center of said member away from the rail, an outwardly directed flange upon the lower edges of the ends and outer side of said member provided with dependent tie-engaging prongs, a laterally extending flange having a longitudinal upwardly curved upper surface and formed upon the lower inner side of said bulged member and adapted for positioning upon the rail, said member being formed with a longitudinal extending groove at the inner side of said flange, and

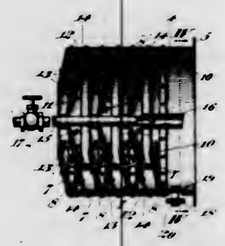
a pendent skirt formed upon the outer longitudinal edge of said flange with its upper edge terminating below the upper surface of said lateral flange for providing a shoulder, substantially as shown and for the purpose described.

1,466,036. SPEED-CONTROLLING APPARATUS FOR PRIME MOVERS. JULIUS G. ACEVES, New York, N. Y., assignor of one-half to Frank P. Fahy, New York, N. Y. Filed Oct. 15, 1919. Serial No. 330,779. 3 Claims. (Cl. 175—355.)



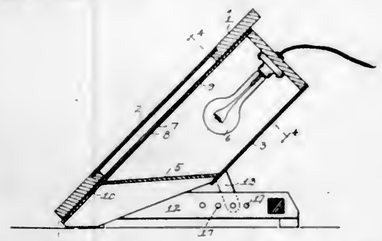
1. In an automatic speed controlling apparatus, a motive device to be controlled, an alternating current motor used as a generator and operated as a counter-torque device, a condenser in series with the stator coils of said counter-torque device, two members adapted to revolve respectively with said motive device and said counter-torque device, and speed controlling means adapted to be operated by changes in the relative angular relation of said members.

1,466,037. MUFFLER. WILLIAM H. BANDS, Southmont Borough, Pa. Filed Jan. 27, 1922. Serial No. 532,108. 6 Claims. (Cl. 137—160.)



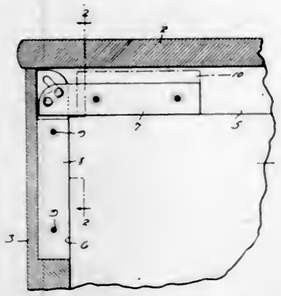
1. The combination with an injector blower, of a muffler mounted on the inlet end thereof and provided with a plurality of zig-zag passages of comparatively large size.

1,466,038. DEVICE EMPLOYED IN FINISHING AND RETOUCHING PHOTOGRAPHIC NEGATIVES AND THE LIKE. JOHN H. BRUBAKER, Grand Rapids, Mich. Filed Feb. 13, 1922. Serial No. 536,044. 6 Claims. (Cl. 95—102.)



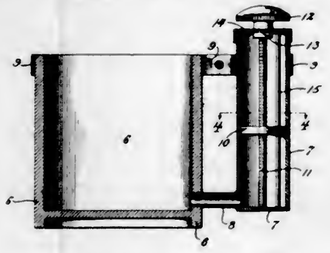
1. In a structure of the character and for the purpose described; a frame containing an outer transparent pane and carrying an inner translucent non-transparent pane spaced from said transparent pane.

1,466,039. HINGE FOR BOOKCASES, ETC. JOHN BURCSAK, Cleveland, Ohio. Filed Dec. 23, 1921. Serial No. 524,373. 2 Claims. (Cl. 16—163.)



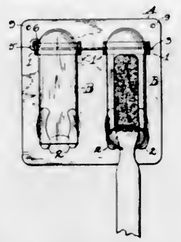
1. The combination with a book case or the like, having a horizontal groove in the end wall thereof, of a door adapted to swing outwardly and then slide backwardly beside said end, and a hinge having one member slidable in said groove and another member attached to the end of the door, said members being pivoted together.

1,466,040. SHAVING MUG. EDWARD CIECHOMSKI, Philadelphia, Pa. Filed Dec. 16, 1922. Serial No. 607,277. 5 Claims. (Cl. 45—136.)



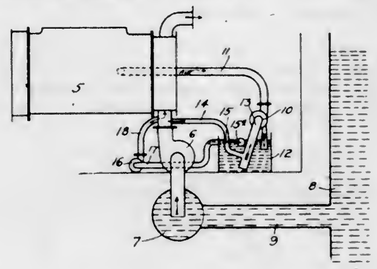
1. A shaving mug including a cup, a hollow handle at the side of the cup in spaced relation with respect thereto for the reception of shaving material, a conduit opening communication between the cup and handle, and a member movable within the handle adapted to force the shaving material into the cup.

1,466,041. TOOTHBRUSH HOLDER. JOHN A. DUGGAN, Detroit, Mich. Filed Apr. 30, 1921. Serial No. 465,710. 2 Claims. (Cl. 248—63.)



2. In an article of manufacture, the combination of a framework having ears with aligned pintle holes and a pintle adapted to extend through said holes, one end of said pintle being looped and formed with a hook whereby said hook may engage the opposite side of the ear from said loop when said pintle is turned in the eyelets of said ears to prevent the removal of said pintle.

1,466,042. CONDENSER AND AIR-PUMP APPARATUS. RAYMOND N. EHRHART, Edgewood Park, Pa., assignor to Westinghouse Electric & Manufacturing Co., a Corporation of Pennsylvania. Filed Nov. 21, 1917. Serial No. 203,263. 9 Claims. (Cl. 257—44.)



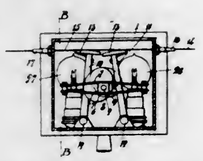
1. In a condenser installation, a condenser having a cooling water circulating system, a hydraulic air pump for exhausting the condenser, an isolated receptacle into which the air pump discharges, a conduit for delivering entrained liquid to the air pump from the receptacle, means for delivering liquid from the water circulating system into the conduit, and means for maintaining a predetermined amount of liquid in the receptacle.

1,466,043. GAUGE. JOHN GRAHAM, Chester, Pa. Filed Sept. 12, 1921. Serial No. 500,082. 1 Claim. (Cl. 33—125.)



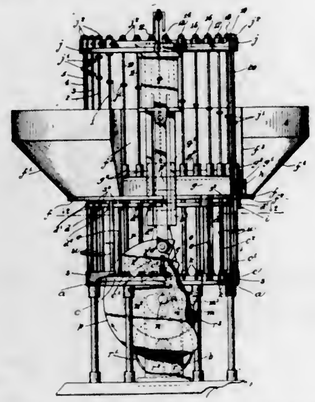
A gauge consisting of a ring adapted for detachable connection with a dispensing tube, a gauge plate connected to the ring and extending at right angles to the plane of the ring, said plate being provided with points spaced predetermined distances from the plane of the ring whereby the discharge from the tube may be ganged.

1,466,044. DEVICE FOR SIGNALING CHANGES OF DRIVING IN AUTOMOBILES. EVALD HEBEL, Copenhagen, Denmark. File Apr. 15, 1922. Serial No. 553,278. 4 Claims. (Cl. 74—39.)



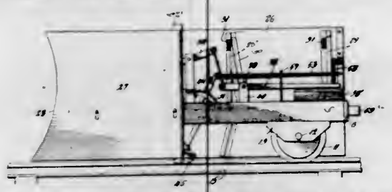
1. A signaling device of the character described for use on automobiles, comprising a case, a shaft mounted in the case, a handle on the shaft, swinging arms mounted in the case, Bowden cables connecting the said arms to signaling members, and eccentric discs mounted on the shaft and adapted to swing the said arms to operate the said signal members.

1,466,045. PACKING MACHINE. ARON JOHNSON, New York, N. Y. Filed Jan. 31, 1921. Serial No. 441,112. 10 Claims. (Cl. 18—5.)



2. A packing machine embodying therein a movable tube supporting mechanism having openings in the top thereof in axial alinement with the openings in the tube, means for imparting intermittent movement to said support, a hopper, an immovable filling head having a sequence of chambers communicating with said hopper and a port in each of said chambers through which cork composition may be delivered directly to tubes in said support, a measuring device in each chamber consisting of a rotatable member having a plurality of vanes adapted to intermittently enter said hopper and the chamber with which the measuring device is associated, means whereby said measuring devices will be actuated with each actuation of said support to deliver a fixed quantity of cork composition from said hopper to each outlet port, a sequence of reciprocatory rams, one adjacent each measuring device, said rams being actuated simultaneously with relation to each other, but progressively with relation to the tubes carried by said support, and means synchronized with the actuating means for said support, whereby said rams will be differentially operated between succeeding actuations of said support.

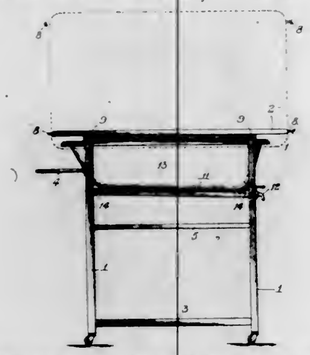
1,466,046. SNOWPLOW. LARS JOHNSON, Iron Mountain, Mich. Filed Sept. 28, 1921. Serial No. 503,826. 4 Claims. (Cl. 34—30.)



1. In a snow plow, the combination with a triangular frame, supporting wheels carried by the frame disposed in a vertical plane for engaging railroad rails, slidable mold boards carried by the frame, and angularly disposed wheels carried by the frame for engaging the sides of the railroad rails.

2. In a snow plow, the combination with a car body, curved standards and mold boards carried by the body and mounted on each side thereof, rock shafts journalled in bearings on the sides of the frame, lugs extending inwardly from each of the rock shafts, a pivoted lever and links connecting said lever to said lugs, and means for actuating said lever and rock shafts to raise and lower said mold boards with respect to the body.

1,466,047. PORTABLE BATHTUB STAND. EDWARD KNOX JOHNSTONE, Keokuk, Iowa. Filed Jan. 9, 1920. Serial No. 350,432. 1 Claim. (Cl. 45—31.)



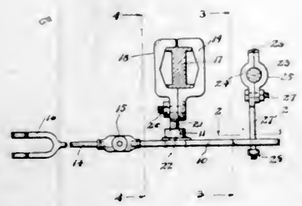
A stand for a bath tub comprising legs, a shelf joining said legs, supporting members for a bath tub also joining the legs, and a table top hingedly connected to the top of the legs at one side of the stand and adapted to be elevated into a vertical position, said table top being provided with a spring pressed plunger adapted to be received by a socket member when the top is raised to elevated position, and adapted to be disconnected from the socket member by the act of pulling the table top to lower the same to serve as a cover for the bath tub.

1,466,048. RECEPTACLE FOR HOLDING HANDLES. WALTER E. KEENE, Baltimore, Md. Filed Aug. 25, 1921. Serial No. 495,354. 5 Claims. (Cl. 24—257.)



1. A receptacle bushing formed of yielding material and comprising a cylindrical portion having a cylindrical hole therein, a frustro-conical portion having a frustro-conical hole therein joining said cylindrical hole and an annular surface between said cylindrical and frustro-conical portions.

1,466,049. DRAWBAR FOR TOWING AUTOMOBILES AND THE LIKE. ARNOLD F. KNOOP, Peotone, Ill. Filed June 17, 1922. Serial No. 568,979. 3 Claims. (Cl. 280—33.55.)



1. In combination, a draw bar of a continuous piece of material, said draw bar being adapted to be attached to a towing vehicle; means secured to the outer surface of said draw bar, said means providing a socket; means connected to the axle of a trailing vehicle, said means including a portion provided with a ball adapted to engage said socket; and means mounted on the tie rod of said trailing vehicle movably engaging the end of said draw bar, substantially as described.

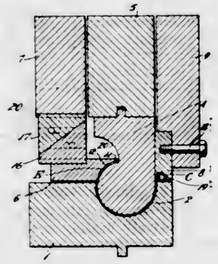
1,466,050. TIME AND SPEED RECORDING MEANS. MATT WILLIAM KOSKI, Raymond, Wash. Filed Mar. 9, 1922. Serial No. 542,247. 10 Claims. (Cl. 234—31.)

1. In a recording speedometer, in combination, a movable record sheet controlled in its movement by motion of the vehicle, clock mechanism, a marker for tracing a line upon said sheet and controlled by said clock mechanism, and means operable to raise said marker from the sheet while the vehicle is at rest.

4. In a recording speedometer, a clock-controlled registering mechanism including a rotatable carrier, individual time-indicators angularly spaced thereupon, and a non-rotative cam engageable with said indicators to cause them to register upon a record sheet.

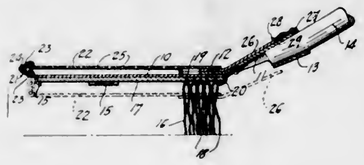
10. In a recording speedometer, in combination with a movable record sheet and with clock mechanism, a pivoted marker for marking time data upon said sheet, the pivot thereof allowing oscillation of the marker in the plane of the pivot, a lever engaging the marker, a member controlled by the motion of the vehicle, and a yieldable connection between said member and said lever.

1,466,051. MACHINE FOR FORMING EAVES TROUGHS. JOSEPH A. KRANTZ, Dover, Ohio, assignor to The Reeves Manufacturing Company, Dover, Ohio, a Corporation of Ohio. Filed Apr. 17, 1922. Serial No. 554,088. 3 Claims. (Cl. 153—34.)



1. A device for forming eaves-trough from a sheet comprising a fixed die having a channel therein, a forming die arranged to be depressed to press the central portion of a sheet into said channel, said forming die having a rounded cut-out in one side, a bending die arranged to be depressed after the depression of the forming die, means for moving the bending die inward to press the adjacent edge portion of the sheet into the cut-out, and a bead-forming die arranged to be depressed after the forming die and having a channel arranged to receive the adjacent edge portion of the sheet to roll a bead thereon.

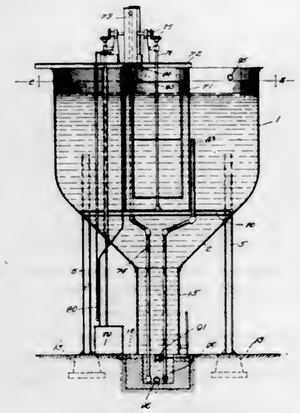
1,466,052. MOP. MAURICE J. KROLL, Utica, N. Y., assignor of one-half to Harry Weiner, Utica, N. Y. Filed Sept. 30, 1922. Serial No. 591,521. 3 Claims. (Cl. 15—119.)



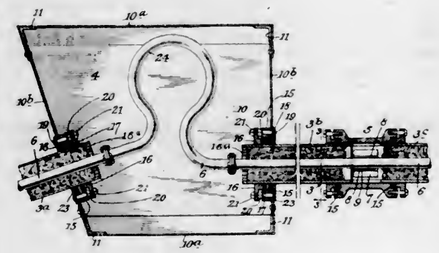
2. A mop head comprising a plate provided at one side thereof with means for securing thereto a mopping element, a handle secured to the plate at one end thereof, a plate similar in shape to the first named plate having a reversible hinge connection with the opposite end thereof, and a handle carried by the free end of the last named plate, the last named plate being perforated.

1,466,053. COMBINED WATER SOFTENER AND STORAGE TANK. CLINTON LADD, Chicago, and THOMAS G. WINDES, Jr., Winnetka, Ill., assignors to Chicago Bridge & Iron Company, a Corporation of Illinois. Filed Aug. 7, 1920. Serial No. 401,929. 4 Claims. (Cl. 210—16.)

1. In a combined water-softener and storage tank, a tank with a steeply inclined bottom and an outlet substantially lower than its top to provide a storage reservoir above said outlet, an open bottom water-softening mechanism located in the tank, the bottom of said water-softening mechanism being substantially lower than the outlet of the tank and above the major portion of the steeply inclined bottom, and the top of said water-softening mechanism being substantially level with the top of said tank.



1,466,054. WATER-TIGHT PIPE CONDUIT. JOHN WM. LATIMER, Cleveland, Ohio, assignor to Johns-Manville Incorporated, a Corporation of New York. Filed Nov. 18, 1919. Serial No. 338,788. 3 Claims. (Cl. 137—75.)

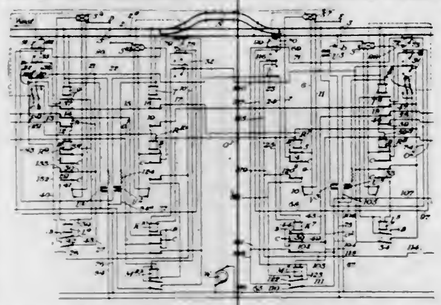


1. In a system of watertight conduits for containing steam pipes and similar pipes subject to expansion and contraction the combination of a plurality of conduit sections of metal piping, a manhole structure connecting two of said sections, a water-tight expansion joint at each connection of a conduit section to the manhole structure and a fluid-tight pipe located in said conduit, anchored in the conduit on either side of the manhole structure, and having a curved, flexible section located in the manhole.

1,466,055. RAILWAY-TRAFFIC-CONTROLLING APPARATUS. RONALD A. MCCANN, Swissvale, Pa., assignor to The Union Switch & Signal Company, Swissvale, Pa., a Corporation of Pennsylvania. Continuation of application Serial No. 592,444, filed Oct. 4, 1922. This application filed Dec. 29, 1922. Serial No. 609,723. 19 Claims. (Cl. 246—33.)

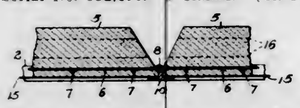
9. Railway traffic controlling apparatus comprising a section of railway track over which traffic moves in both

directions, and means controlled by a train approaching said section from either direction for connecting a source



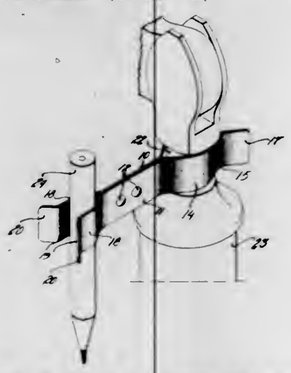
of vehicle governing alternating current across the rails of the section at the opposite end of the section.

1,466,056. ROOF OR FLOOR CONSTRUCTION. HERBERT E. MARKS, Glen Osborne, Sewickley, Pa. Filed Apr. 14, 1922. Serial No. 552,490. 3 Claims. (Cl. 108—1.)



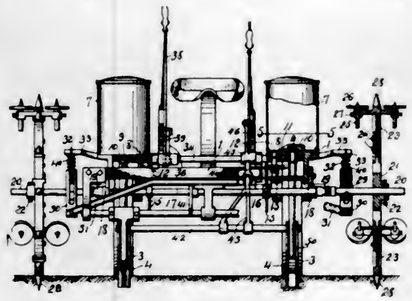
1. A roof or floor construction comprising supporting bars, cementitious slabs resting on said bars, metal reinforcement embedded in said slabs and having longitudinal members projecting beyond the ends of said slabs, said projecting ends being bent transversely of the axes of said members and interlocked with the bent ends of the longitudinal members of contiguous slabs to form a continuous reinforcement, a fiber sheet closely adhering to the lower surface of the slabs, a transverse member disposed within the gap between contiguous slabs and provided with laterally projecting portions underlying the edges of said contiguous slabs whereby to present a finished appearance and to prevent the separation of the fiber sheet from the body of the slab adjacent the said edges.

1,466,057. PENCIL HOLDER. HARRY E. MATHEWS, Philadelphia, Pa. Filed Mar. 18, 1922. Serial No. 544,720. 2 Claims. (Cl. 24—81.)



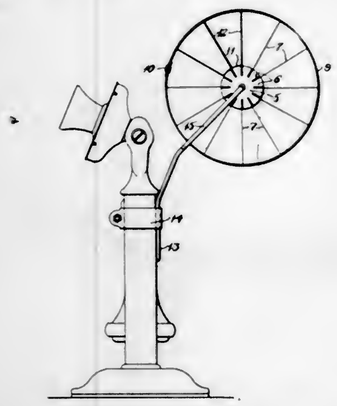
1. A holder comprising a straight flat intermediate portion and opposed spring jaws at each end thereof, said jaws having opposed expanded portions and outwardly diverging rectilinear extremities, the intermediate portions being contracted in opposed relation, one of said jaws being arranged to support a pencil and the other jaw being larger to clamp on a supporting member.

1,466,058. CHECKROW PLANTER. SWENEY MUNSON, Fowler, Colo. Filed Apr. 12, 1920. Serial No. 373,353. 7 Claims. (Cl. 111—28.)



1. In a check rower planter, seed dropping means, a rotary shaft comprising an intermediate portion and two extensions respectively flexibly connected to the ends of said intermediate portion, means actuated by said intermediate portion for operating the seed dropping means, two marking wheels respectively longitudinally adjustably secured to said extensions, resilient means for normally forcing said extensions downwardly, and means for lifting said extensions, substantially as set forth.

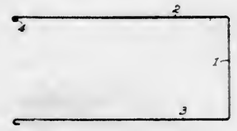
1,466,059. ROTATABLE INDEX. JAMES H. RAND, North Tonawanda, N. Y. Filed Sept. 2, 1921. Serial No. 497,874. 5 Claims. (Cl. 40—1.)



1. A rotatable index comprising a cylindrical hub having longitudinal slots, radially disposed sheets mounted in said slots, and a transparent peripheral cover supported solely by the free extremities of the radial sheets.

1,466,060. ADJUSTABLE SCREEN. HANS PETER RAVN, Waterloo, Iowa. Filed Dec. 9, 1921. Serial No. 521,169. 5 Claims. (Cl. 156—38.)

4. A device of the character described, comprising like U-shaped rods whose terminal members are reversely positioned and connected for relative longitudinal adjustments, screen-holding rods positioned across said terminal members and connected thereto interlockingly for relative longitudinal adjustments, a flexible screen positioned to cover one side of said U-shaped members and having its ends carried about the medial parts of said rods and connected removably to said screen-holding rods,

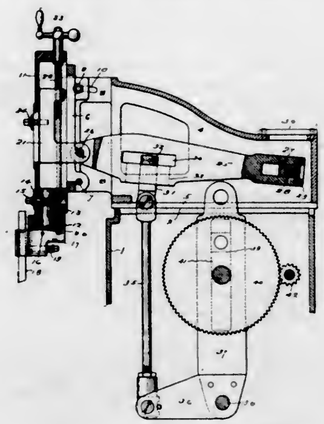


and resilient clamping-rods interlockingly connected to said U-shaped rods for releasably securing same to end-supporting structures.

1,466,061. HOMOGENEOUS ALUMINUM SOLDER. OSCAR REBELLO, Bahia, Brazil. Filed Mar. 14, 1923. Serial No. 624,929. 1 Claim. (Cl. 75—1.)

A solder for aluminum composed of silver ranging from 53 to 63 parts, copper ranging from 57 to 64 parts and aluminum ranging from 64 to 73 parts.

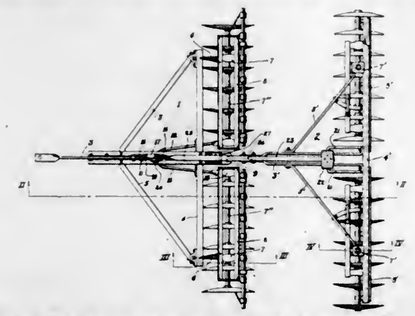
1,466,062. VERTICAL-SHAPER ATTACHMENT. LEVERETT E. RHODES, Hartford, Conn. Filed Sept. 19, 1921. Serial No. 501,602. 7 Claims. (Cl. 90—43.)



3. A shaper attachment comprising a housing adapted to be secured to the top of a shaper frame which has a crank lever with an angular extension at its lower end, a saddle pivotally mounted on the housing, means for adjusting the saddle with relation to the housing, a ram movable up and down on the saddle, a tool holder attached to the ram, a horizontal lever pivotally mounted in the housing, means joining the lever with the ram, and a connecting rod jointed to the horizontal lever and to the angular extension of the shaper crank lever.

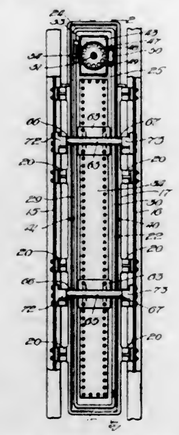
1,466,063. DISK HARROW. HOMER G. RINGLE and JONATHAN M. STEWART, Canton, Ohio, assignors to The Bucher & Gibbs Plow Company, Canton, Ohio, a Corporation of Ohio. Filed Aug. 31, 1921. Serial No. 497,222. 2 Claims. (Cl. 55—83.)

1. A double cut disk harrow including tandem sections having swinging gangs and draft bars with a central swinging connection, operating means on the forward draft bar and connections for swinging the forward gangs, sliding means on the rear draft bar and connections for swinging the rear gangs, tandem bars between the operating and sliding means, having a swinging connection corresponding to the draft bar connection, and a guide for



one of the tandem bars on the forward harrow section, whereby the angling means are associated directly with the draft structure.

1,466,064. COKE-OVEN DOOR AND THE LIKE. ARTHUR ROBERTS, Evanston, Ill., assignor, by mesne assignments, to Chicago Trust Company, trustee, Chicago, Ill., a Corporation. Filed Oct. 31, 1919. Serial No. 334,704. 3 Claims. (Cl. 202—6.)

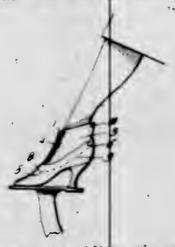


3. The combination with a coke oven door, of a lifting and locking device therefor comprising in combination a downwardly facing socket reaching outwardly from the face of the door, a pair of arms pivotally mounted with respect to the face of the door at the sides of said socket, a cross member joining together the door ends of said arms, and suitable abutment engaging surfaces in conjunction with the end portions of said cross member, whereby when the arms and cross member reach outwardly from the door said portions may engage suitable locking abutments, and whereby a lifting tool placed beneath the socket and the cross member and provided with upwardly facing lugs in line with the socket and the cross member may engage first the cross member and then the socket in succession as said tool is raised to thereby first unlock the door and then carry the weight of the door by successive operations, substantially as described.

1,466,065. SHOE-CLEANING GUARD. DENNIS SEALS, Evanston, Wyo. Filed June 17, 1921. Serial No. 478,427. 1 Claim. (Cl. 36—72.)

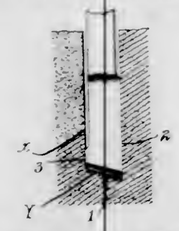
A shield for use in polishing shoes comprising a flexible body including an arcuate instep engaging front

portion and rearwardly extending side portions, the rear ends of the side portions being adapted to extend rearwardly of the foot of the user, and adjustable means for connecting the rear ends of the side portions together



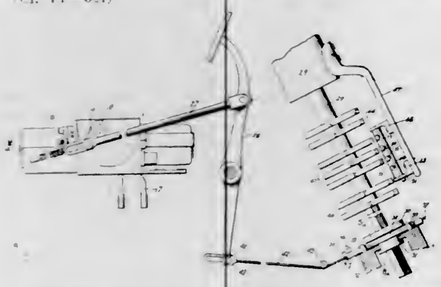
including a plurality of equidistantly spaced female portions carried by one side portion of the body and a single-inserting male portion carried by the other side portion of the body adapted to be inserted in any one of the female portions.

1,466,066. PERCUSSIVE TOOL. HENRY H. MERCER, Claremont, N. H., assignor to Sullivan Machinery Company, a Corporation of Massachusetts. Filed June 30, 1916. Serial No. 106,960. 21 Claims. (Cl. 262—33.)



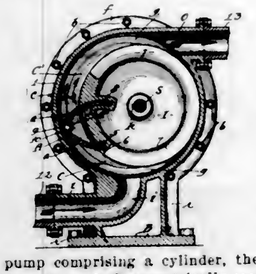
19. In a percussive tool, a pair of downwardly directed chopping cutting edges disposed adjacent the sides of the tool and lying in a plane which passes through a line perpendicular to one of the sides of said tool and makes a relatively large acute dihedral angle with the plane of the back of the tool, and a leveling edge disposed in substantially the same plane but arranged at an angle to said cutting edges.

1,466,067. SELECTOR FOR GEAR-SHIFTING MECHANISM. CLARENCE W. SHOCKLEY, Mount Sterling, Ohio. Filed Aug. 26, 1920. Serial No. 406,061. 23 Claims. (Cl. 74—58.)



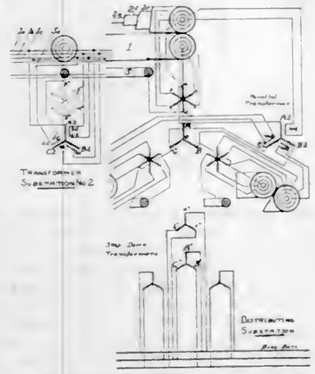
1. The combination with speed gears, electro-responsive shifting means therefor, circuit connections for said shifting means, and foot operated control means to energize said electro-responsive means, of circuit closing means adapted to be set for selecting one of said circuit connections whereby to select a gear change and operable to close a circuit through said connection intermittently, and an operative connection between said control means and said circuit closing means whereby one will be actuated with the other.

1,466,068. ROTARY PUMP. FRANK C. SMITH, Los Angeles, Calif. Filed May 10, 1921. Serial No. 468,373. 1 Claim. (Cl. 103—140.)



A rotary pump comprising a cylinder, the casing having detachable ends, a shaft eccentrically mounted in said casing and journaled in said ends, and an impeller concentrically mounted on said shaft and eccentrically disposed in said casing, an arcuate recess being formed in the periphery of said impeller, a vane having a segmental portion corresponding in width to the width of said impeller and pivotally mounted on said impeller, a segmental guide portion on said vane formed on a radius from the axis of said outer portion, and adapted to slidably seat in an arcuate slot in said impeller, concentric grooves formed in the ends of said casing, trunnions extended from the outer portion of said vane, and rollers adjustably carried on said trunnions for engaging said grooves whereby the outer portion of said vane may be adjusted relative to the wall of said cylinder.

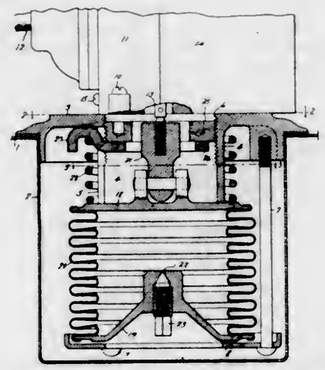
1,466,069. MEANS FOR AND METHOD OF REDUCING CAPACITY-CURRENT LOSSES IN ELECTRIC CABLES. ALFRED MILLS TAYLOR, Birmingham, England. Filed Apr. 7, 1923. Serial No. 630,590. 10 Claims. (Cl. 172—237.)



1. In multiple voltage high tension alternating current transmission systems comprising concentric conductors in which the central cores are fed from a source at higher voltage than the surrounding concentric cores, the method of maintaining at a low value the exciting current supplied by the source which comprises transmitting at the highest voltage the apparent power required for the excitation of the distant parts of the cable system to a distant point, transforming at said point the said apparent power to the voltages required, and feeding back therefrom the charging current into the various cores of the cables.

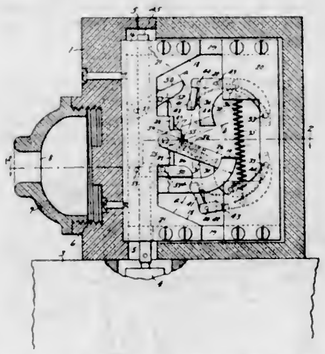
2. In multiple voltage high tension alternating current transmission systems comprising concentric conductors in which the central cores are fed from a source at higher voltage than the surrounding concentric cores, transformers connected with the conductors for carrying the load current and separate transformers having a different degree of reactance from the first said transformers whereby the capacity current is differentiated out from the load current and fed back into the line from said transformers.

1,466,070. THERMOSTAT. SAMUEL H. TODD, Detroit, Mich. Filed Mar. 18, 1921. Serial No. 453,483. 6 Claims. (Cl. 297—8.)



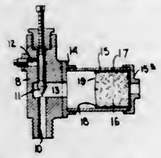
6. In a thermostat, in combination, a flat-topped circular cap having a hole therein and a threaded flange surrounding the hole, switch base secured to the top of said cap and overhanging said hole and having an operating member projecting through said hole, an expansible vessel located beneath said cap and connected to said member, a spring surrounding said flange and bearing on said vessel, an adjusting disk screwed to said flange and supporting the other end of said spring, said disk having tool-receiving provisions whereby it may be rotated and a removable part detachably secured to said switch and cooperating therewith to cover said hole and conceal the adjusting disk.

1,466,071. ELECTRIC SWITCH. SAMUEL H. TODD, Detroit, Mich. Filed Mar. 18, 1921. Serial No. 453,484. 12 Claims. (Cl. 200—67.)



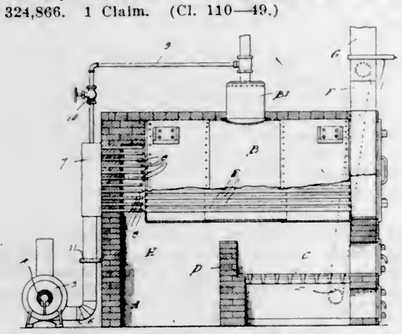
1. In an electric switch, in combination, a pair of contact members, one of which is movable, a pair of opposed hammer-members arranged facing each other upon opposite sides of said movable member, and means including a spring for producing a quick blow of either of said hammer-members against said movable contact member for moving it into or out of engagement with the other contact member.

1,466,072. REFRIGERATING APPARATUS. SAMUEL H. TODD, Detroit, Mich. Filed June 28, 1921. Serial No. 481,012. 4 Claims. (Cl. 62—113.)



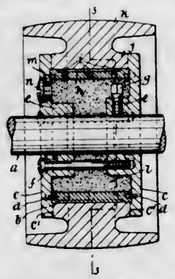
1. The combination with refrigerating apparatus employing sulphur dioxide as a working fluid, of a filter consisting of common sponge (*porifera*) compressed in a casing and located in the line of flow of the liquid refrigerant.

1,466,073. SMOKE CONSUMER. JOSEPH N. TOMES, Olean, N. Y., assignor to J. N. Tomes Smoke Consumer and Fuel Economizer Co., Inc., Buffalo, N. Y., a Corporation of New York. Filed Sept. 19, 1919. Serial No. 324,866. 1 Claim. (Cl. 110—49.)



In combination with a furnace including a boiler, a smoke box in communication with the firebox and the ashpit, means operable to close the smoke box whereby the smoke will be discharged into said ashpit, a header, tubes extending from the header and terminating short of and relatively close to the tubes of the boiler, a fan in communication with said header, a steam supply pipe in communication with said header and the steam zone of the boiler, and valves operable independently of each other to cut off the supply of air or steam to said header.

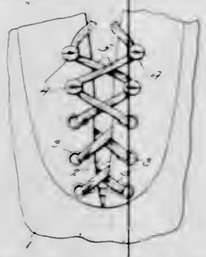
1,466,074. LOOSE-WHEEL CONSTRUCTION. GEORGE TREFS, Montville, N. J. Filed Mar. 10, 1922. Serial No. 542,622. 4 Claims. (Cl. 64—26.)



2. In combination, a shaft, a housing secured thereon including spaced heads having inwardly projecting hubs

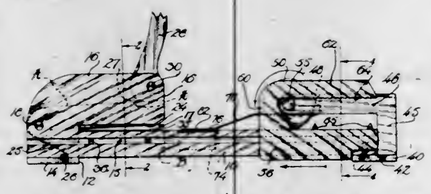
penetrated by the shaft, means arranged in one hub for securing the corresponding head to the shaft, a sleeve surrounding and spaced from the shaft and hubs and interposed between the heads, and means, extending between the shaft and sleeve and connecting the hubs, for clamping the heads and sleeve together, and a wheel journaled on said bearing, the housing being adapted to contain a lubricant and the sleeve having means to pass the lubricant therethrough to its bearing.

1,466,075. LACE-LOCKING MEANS FOR ARTICLES OF PERSONAL WEAR. EDWARD J. TRIAY, Jr., Jacksonville, Fla. Filed Aug. 11, 1922. Serial No. 581,116. 2 Claims. (Cl. 24—140.)



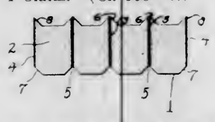
1. In an article of personal wear having free lacing edges adapted to be secured in proximity to each other, of a series of lacing hooks having a lace locking member near the said free edges, said locking member adapted to receive and lock a lacing string against movement after the desired tension has been placed upon the string to hold the said free edges at the desired distance apart at any selected zone at intervals throughout the length of the said free edges.

1,466,076. FILM-JOINING MACHINE. ELMER L. VAN PELT, Denver, Colo., assignor to George Fruth, Denver, Colo., and Henry E. McElwain, Holyoke, Mass. Filed Aug. 30, 1920. Serial No. 406,994. 25 Claims. (Cl. 154—42.)



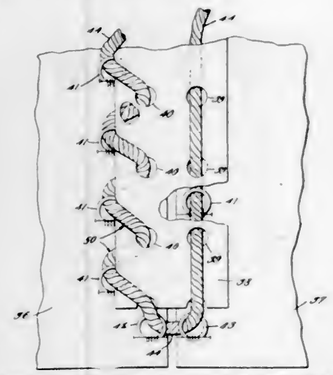
1. A film joining machine comprising cutting and pressing means, a cementing device, and a carriage for carrying film from the cementing device to said cutting and pressing means.

1,466,077. ROOF COVERING. HENRY R. WARDELL, New York, N. Y., assignor to Johns-Manville Incorporated, a Corporation of New York. Filed May 15, 1922. Serial No. 561,155. 1 Claim. (Cl. 108—7.)



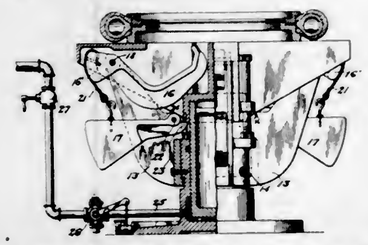
As a new article of manufacture a shingle strip having a width approximately equal to the length of standard shingles and a length equal to the combined widths of a predetermined plurality of standard shingles plus that of a similar number of narrow interspaces, said strips being composed of a suitable fabric saturated with a waterproof compound of a dark color and adhesive character and having crushed mineral particles embedded in the adhesive surface so formed throughout several separate areas delimited to correspond to, and represent, separate shingles of standard dimensions equally spaced apart and extending across the strips, and the narrow, intervening spaces of the bare surface of the saturated fabric of darker color, being exposed and devoid of mineral covering between the continuous areas so delimited, said shingle strip having a plurality of V-shaped notches along one of the longer edges and an oppositely disposed plurality of similar V-shaped tabs along the other longer edge, the apices of the V's registering with the ends of the exposed narrow spaces.

1,466,078. LACING DEVICE. LILLIAN E. WASHBURN, Blue Stores, N. Y. Filed June 9, 1920. Serial No. 387,641. 1 Claim. (Cl. 24—140.)



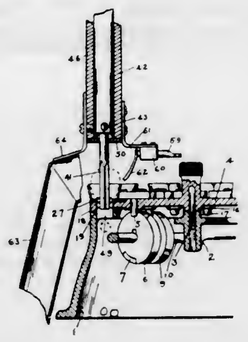
In a device of the class described, a pair of side members having side rings and terminal rings; a tongue having two sets of openings alternating with the side rings of the respective side members; and a flexible element extended, in spiral convolutions, through the side rings of one member and through one set of openings in the tongue, the flexible element being extended around one edge of the tongue, through the terminal rings and through the other set of openings in the tongue and through the side rings of the other member, in spaced relation to the opposite edge of the tongue and in approximately parallel relation to said edge, the flexible element being freely slidable in the last specified openings and rings, whereby one end of the flexible element may be drawn upon to tighten those of the spiral convolutions which are disposed adjacent to the terminal rings of the side members.

1,466,079. RIMMING PRESS. THOMAS HENRY WILLIAMS, Akron, Ohio, assignor to The Adamson Machine Company, Akron, Ohio, a Corporation of Ohio. Filed Aug. 7, 1922. Serial No. 580,170. 7 Claims. (Cl. 18—2.)



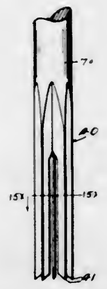
2. A press for tire rim rings and the like including a table having openings therein, means for elevating the table, and rim engaging arms normally dropping below the table when the same is lowered and operable through the openings for engaging and clamping rings on the table when the same is elevated.

1,466,080. FRUIT SEEDER. JOHN C. BAUMER, Rochester, N. Y., assignor to Homer Strong, Rochester, N. Y. Filed Nov. 16, 1921. Serial No. 515,639. 16 Claims. (Cl. 146—19.)



1. In a fruit pitting machine, the combination of a base, a turntable mounted to turn thereon, a series of pockets on said table, a cam for turning said table by a step by step movement, said cam locking the table against movement between steps, said cam being mounted to turn with a horizontal shaft mounted parallel to said turntable.

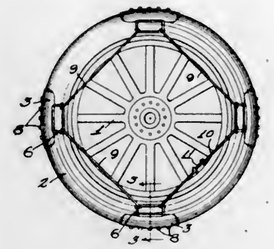
1,466,081. METHOD OF MAKING NEEDLES FOR FRUIT SEEDERS. JOHN C. BAUMER, Rochester, N. Y., assignor to Homer Strong, Rochester, N. Y. Filed Apr. 18, 1922. Serial No. 554,699. 1 Claim. (Cl. 76—108.)



The process of making a needle for pitting fruit which consists of first drilling the needle bar centrally from one end thereof and forming a hole therein, then plugging the hole and milling a series of flat blades between the plug and the periphery of the bar and then withdrawing the plug.

1,466,082. ANTISKID DEVICE. JAMES F. BAXA, Chicago, Ill. Filed Sept. 20, 1920. Serial No. 411,448. 1 Claim. (Cl. 152—14.)

An anti-skid device, comprising a plate curved to fit the exterior surface of a tire tread, said plate being provided with a plurality of apertures disposed longitudinally and transversely of its surface and adapted to receive there-

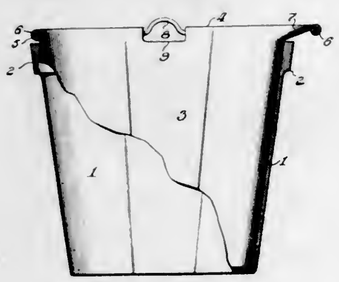


through spurs on an underlying plate, or bolts for connecting thereto an overlying transversely ribbed tractor plate.

1,466,083. METHOD OF MAKING PLASTIC BODIES FROM COAL ASHES AND A PLASTIC BODY MADE FROM SUCH METHOD. SIGURD BO, Lockport, N. Y., assignor to Cinder Products Corporation, Lockport, N. Y., a Corporation of New York. Filed May 11, 1921. Serial No. 468,698. 17 Claims. (Cl. 106—24.)

1. A plastic body comprising a binder and crushed coal ashes substantially free from coke and soluble salts.

1,466,084. RECEPTACLE. EDWIN N. BURROWS, Highland Park, Mich. Filed Nov. 21, 1919, Serial No. 339,627. Renewed Jan. 17, 1923. 1 Claim. (Cl. 220—65.)

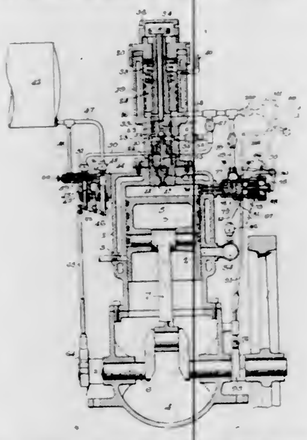


The combination with a receptacle for liquids, of a liner made of paper having its upper edge reinforced by a metallic member bent outward in substantially the plane of the upper edge of the liner to form a pouring spout, and having the reinforcing member at opposite sides exposed at cut away portions of the liner to form handles by which the liner may be removed from the receptacle.

1,466,085. INTERNAL-COMBUSTION ENGINE. CHARLES F. BUSCHKE, Milwaukee, Wis. Filed June 13, 1919. Serial No. 303,927. 6 Claims. (Cl. 123—33.)

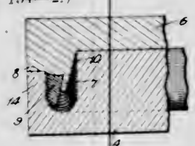
1. In an internal combustion engine the combination with the cylinder, of a valve case provided with a nozzle inserted in an opening into the cylinder and having three coaxial valve seats of diminishing diameter towards the cylinder and divergent spray passages leading from the smallest seat into the cylinder, and a valve guided in said

case and having three working faces fitted to said seats and a longitudinal passage connected at its inner end by



divergent passages with a clearance space between the valve and case and between the two outer seats and corresponding valve faces.

1,466,086. METHOD OF MAKING PISTON-ROD PACKING. GEORGE CHRISTENSON, North Plainfield, N. J., assignor to Johns-Manville Incorporated, a Corporation of New York. Filed Sept. 1, 1920. Serial No. 407,496. 3 Claims. (Cl. 154—2.)



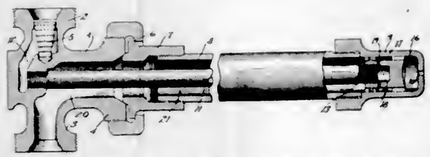
1. The process of forming a composite ring packing which comprises the following steps: first, forming a ribbon composed of a plurality of superposed layers of flexible fabric cemented together and a relatively thick layer of plastic material adhering to one side of said fabric body; second, shaping said ribbon into the form of a closed loop with the fabric on the inside of said loop; third, partially separating the plastic material from the fabric and compressing the latter into a wedge-shaped cross-section, leaving the thick end of said wedge adhering to said plastic material.

1,466,087. COMPOSITE PISTON-PACKING RING AND METHOD OF MAKING SAME. GEORGE CHRISTENSON, North Plainfield, N. J., assignor to Johns-Manville Incorporated, a Corporation of New York. Filed Jan. 11, 1921. Serial No. 436,445. 2 Claims. (Cl. 154—2.)



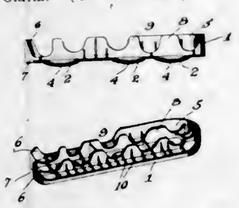
1. The method of forming a composite ring suitable for use as a cup-shaped piston packing or the like, which comprises the following steps: first, applying to a sheet of woven fabric a layer of plastic material capable of being vulcanized of a greater thickness than that of the fabric; second folding the composite fabric so formed upon itself and arranging such folded fabric in an annular form; third, molding said ring into the desired shape and vulcanizing the plastic material, whereby the textile material becomes imbedded in the vulcanized mass and forms a skeleton support therefor in a relatively thick completed ring.

1,466,088. OIL BURNER. GARNET W. COEN, San Francisco, Calif. Filed Sept. 28, 1921. Serial No. 503,727. 7 Claims. (Cl. 158—75.)



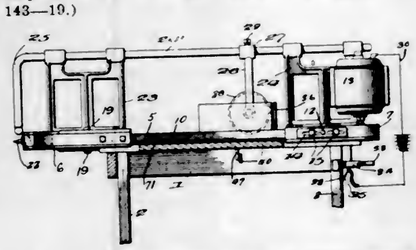
1. In a burner of the character described, a pair of pipes, one interior of the other, one for the delivery of steam and the other oil, a combination atomizing and mixing member secured on the outer end of the oil delivery pipe, vanes on the exterior surface of said member and at each end thereof, and interspaced with relation to each other to form a mixing chamber, a plurality of radially disposed openings formed in the member communicating with the oil pipe and the mixing chamber, and a burner tip enclosing said member.

1,466,089. MANIFOLD COVER. EDGAR A. CONROY, Wilkes-Barre, Pa. Filed July 1, 1921. Serial No. 481,868. 1 Claim. (Cl. 257—241.)



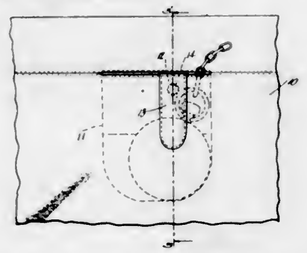
In a device of the class described, a body member having cup-shaped recesses formed therein and provided with perforations at the bottom of the recesses, spaced flanges arranged upon opposite sides of the center of the body, said flanges being provided with transverse recesses, a plurality of transverse flanges arranged upon opposite sides of the first flanges and a cup-shaped member formed at one end of the body and projecting parallel with the flanges as and for the purpose set forth.

1,466,090. BAND-SAW MACHINE. CHARLES A. DE CEW and WILLIAM F. HIRST, Cedar Rapids, Iowa. Filed May 7, 1921. Serial No. 467,761. 2 Claims. (Cl. 143—19.)



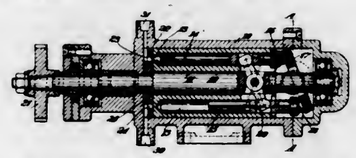
1. A band saw machine including a table having a notch at one side, pivot sockets fixed to the confronting sides of the notch, a band saw frame having one end disposed opposite said notch, pivot plates mounted on the opposite sides of said end and adjustable longitudinally thereof and independently of each other, said pivot plates having pivots entering said sockets, and means to hold the pivot plates in adjusted positions.

1,466,091. SAFETY POCKET. WILLIAM E. DIEHL, Chicago, Ill. Filed May 2, 1922. Serial No. 557,927. 5 Claims. (Cl. 2—153.)



3. The combination with a garment pocket, of means for securing the mouth of said pocket together, said means including a flap secured to the free edge of the outer side of the pocket, at a point nearer to the middle of the pocket opening than to the ends, the longitudinal axis of said flap extending transversely of the pocket opening, said flap having a fastening member thereon; and a fastening member on the inner side of said pocket arranged to engage said first named fastening member.

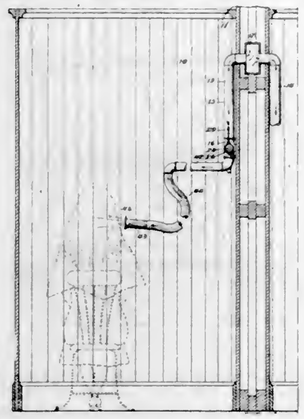
1,466,092. FEED PUMP FOR COMBUSTION ENGINES. FRITZ EGERSDÖRFER, Charlottenburg, Germany. Filed Sept. 10, 1920. Serial No. 409,503. 6 Claims. (Cl. 123—139.) (Granted under the provisions of the act of Mar. 3, 1921, 41 Stat. L., 1313.)



1. In a combustion engine, the combination, with the cylinder, and the supply for the charge thereto, of a feed pump connected with said supply and with said cylinder and comprising a stationary casing provided with suction and pressure ducts, and a rotary member provided with a pressure chamber which is adapted upon rotation alternately to be opened to one and another of said ducts and to be closed by the wall of the casing and to have its capacity alternately reduced and increased.

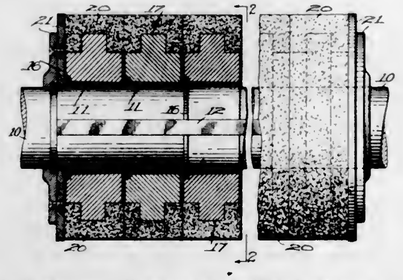
1,466,093. HAIR-DRYING APPARATUS. EDMUND M. ERR, Jersey City, N. J., assignor to Merit Machine Manufacturing Corporation, a Corporation of New York. Filed Jan. 6, 1922. Serial No. 527,390. 17 Claims. (Cl. 34—26.)

1. In a device for supplying cold and hot air at will to different places on a person's head to dry and cool the same, the combination of a support constituting a structural part of a building, a main air conduit incorporated within said support and carried thereby, said main conduit constituting a reservoir of compressed air and adapted to be connected to an air compressor in a remote part of the building, a plurality of branch conduits leading from said main conduit to the exterior of said support, one of said branch conduits including a movable discharge nozzle adapted to direct air about the person's head, a fixed tube secured to the support and a flexible tubular section providing communication between the movable nozzle and the fixed tube, an air valve in the fixed tube for controlling the air flow through the branch conduit, electric heating means in the nozzle and a manually actuated



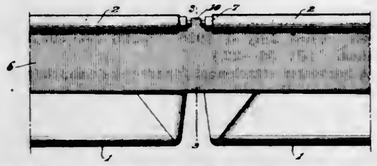
means mounted in fixed position adjacent the air valve for simultaneously controlling the air valve and the electric heating means.

1,466,094. SECTIONAL SQUEEZE ROLL. FRANK L. FURBUSH, Westford, Mass., assignor to C. G. Sargent's Sons Corporation, a Corporation of Massachusetts. Filed Oct. 30, 1922. Serial No. 597,703. 5 Claims. (Cl. 68—33.)



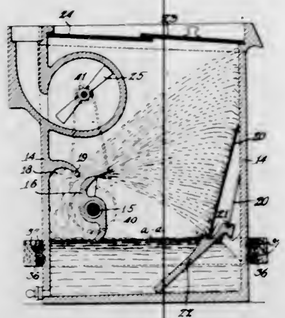
1. A squeeze roll having a shaft and made up of a series of rubber sections, rings on which said sections are vulcanized, bushings on the shaft on each of which one of said rings is removably mounted, and means for positively connecting said bushings and rings to the shaft.

1,466,095. BAKING PAN. HARRY J. HASENBEIN, Flushing, N. Y., assignor to Jaburg Bros. Inc., New York, N. Y. Filed July 22, 1922. Serial No. 576,814. 1 Claim. (Cl. 53—6.)



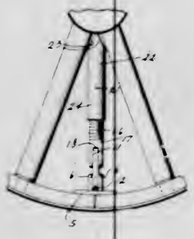
In a device of the character described, a strap for uniting a plurality of pans having wire reinforced edges, said strap being notched for receiving the wire and having a lip for extending between the wires and spacing the pans apart.

1,466,096. ETCHING MACHINE. AXEL HOLMSTRÖM, Stockholm, Sweden. Filed June 19, 1922. Serial No. 569,425. 8 Claims. (Cl. 41—9.)



1. In an etching machine, a box internally resistant to etching liquor and having an opening, a shaft normally passing through the opening, a paddle resistant to etching liquor mounted upon the shaft within the box and adapted to pass through the opening and a closure about the shaft to close the opening.

1,466,097. WHEEL TIGHTENER. FRED A. HOMEWOOD, Glendo, Wyo. Filed Oct. 2, 1922. Serial No. 591,830. 2 Claims. (Cl. 157—9.)

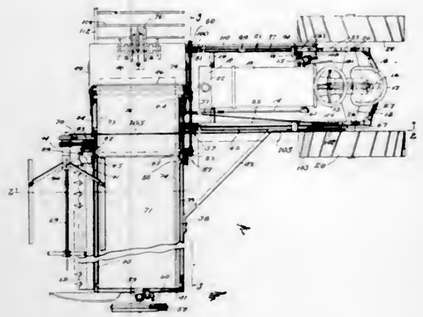


1. A wheel tightener comprising a base member adapted to be engaged against the inner periphery of a wheel felly and formed with spaced ears, an elongated lever having a head formed with opposite extensions, one extension being received and pivoted between said ears, a rod having one end offset and forked and pivotally engaged upon the other extension, a sleeve adjustably mounted upon said rod and adapted to be engaged against the wheel hub between the spokes thereof, and stop means for limiting swinging movement of the lever whereby the second named pivot point will be maintained slightly beyond dead center with respect to the first named pivot point, said rod and sleeve being supported entirely by the lever.

1,466,098. HARVESTER. EDWARD C. MYERS, Seattle, Wash. Filed July 6, 1920. Serial No. 394,337. 28 Claims. (Cl. 56—22.)

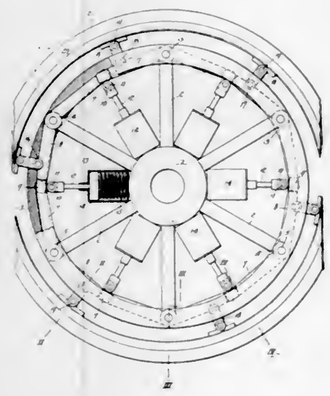
1. A harvester attachment for tractors comprising a supporting frame disposed under part of the harvesting machinery, a wheel mounted in said frame for supporting the same, and push bars extending back from said frame and adapted to support the front end of a tractor and for attachment with the rear portion thereof.

27. The combination with a tractor whose engine casing transmission and differential housings and rear axle casings constitute its frame structure, frame members having connections with one end of said tractor so as to be supported thereby and extending along the sides of the tractor and beyond the other end thereof, connections between said side frame members for supporting the second named end of the tractor, means for supporting the ends



of said side frame members extending beyond the tractor, a working implement mounted on the extending side frame members, and a driving connection between said working implement and the tractor engine.

1,466,099. RESILIENT WHEEL. LOUIS J. NEWMAN, New Rochelle, N. Y. Filed July 16, 1919. Serial No. 311,309. 7 Claims. (Cl. 152—28.)

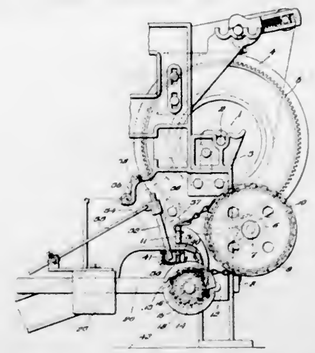


3. In a resilient wheel, a tread unit, an axle contacting unit, a plurality of levers pivotally mounted on said axle contacting unit, resilient means mounted on said axle contacting unit for operatably engaging either end of each of said levers, and a floating fulcrum suspended from said tread unit for each of said levers.

1,466,100. TENSION-REGULATING MECHANISM FOR WARP BEAMS. JONAS NORTHROP, Hopedale, Mass., assignor to Hopedale Manufacturing Company, Milford, Mass., a Corporation of Massachusetts. Filed Aug. 16, 1921. Serial No. 492,735. 3 Claims. (Cl. 139—107.)

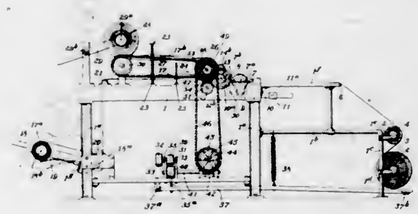
1. Tension regulating mechanism for warp beams having, in combination, a tension drum adapted to be connected with the warp beam, a tension member, having one end secured to a stationary part of the loom wound around the tension drum, a chain drum to which the free end of

the chain is attached, a weight arm, a weight, a pawl and ratchet connection between the chain drum and weight



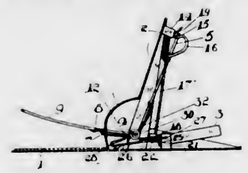
arm, and means for moving the weight on the weight arm to cause it to exert a less tension upon the tension member as the size of the warp beam decreases.

1,466,101. BIAS-FLAP STOCK CUTTING AND APPLYING MACHINE. JOSEPH E. PERRAULT, Watertown, Mass., assignor to Hood Rubber Company, Watertown, Mass., a Corporation of Massachusetts. Filed July 21, 1922. Serial No. 576,529. 15 Claims. (Cl. 154—35.)



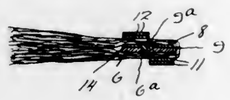
4. In apparatus of the class described, means for severing a traveling sheet into strips, spaced spools for supplying preformed strips, means for deflecting said preformed strips into alignment with said first named strips, means for joining the aligned strips together face to face to produce composite strips, spaced spooling means for said composite strips, and means for deflecting said composite strips into alignment with said spooling means.

1,466,102. MOUSETRAP. CLIFTON J. PROCTOR, Holmesville, Ontario, Canada. Filed Aug. 21, 1922. Serial No. 583,351. 5 Claims. (Cl. 43—81.)



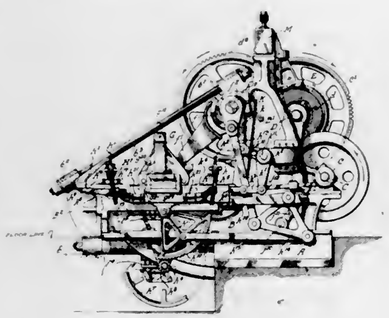
5. In a trap, the combination of a base; a spring actuated jaw hinged thereon; catch and trigger mechanism for releasably holding the jaw in its "set" position the catch being directly engageable by the jaw; and a setting member adapted to rock the jaw to its "set" position and to directly engage and position the trigger mechanism for engagement by the catch, the catch having a part engageable by the jaw, when raised, to rock the catch to its trigger engaging position.

1,466,103. ROTARY BRUSH. RUDOLF R. RADINSE, Cleveland, Ohio. Filed Oct. 24, 1921. Serial No. 509,854. 8 Claims. (Cl. 15—179.)



2. A brush comprising a notched ring, a series of clips around the ring and having tongues projecting through said notches, and brush material held by said tongues.

1,466,104. PRESS FOR OFFSETTING METAL PLATES IN THE LINE OF THEIR WIDTH. REUBEN STANLEY SMITH, HENRY MILLER, and FREDERICK ORTON, Milwaukee, Wis., assignors to A. O. Smith Corporation, Milwaukee, Wis., a Corporation of New York. Filed Mar. 22, 1920. Serial No. 367,799. 36 Claims. (Cl. 78—1.)



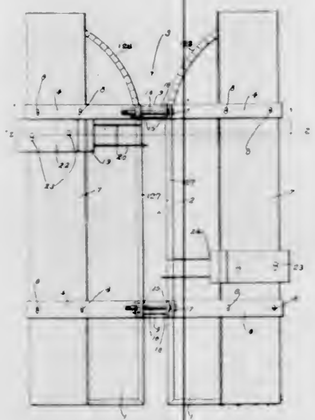
1. In a press for bending sheet metal plates in the direction of their width, a set of offsetting dies, means for imparting relative movement to the said dies to conform the longitudinal edges of the plate thereto and exert a binding pressure upon the sides of the plate during the same operation, in combination with feeding devices adapted to position a metal plate between the offsetting dies.

1466,105. VEGETABLE SLICER. JOHN TRUBISKY, Kipling, Ohio. Filed Mar. 14, 1923. Serial No. 625 013. 1 Claim. (Cl. 146—125.)



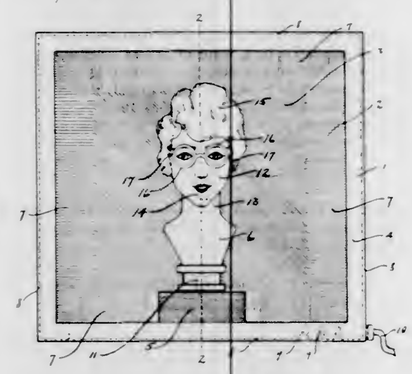
A slicer comprising a rotatable disc, a plurality of inclined openings in said disc, a plurality of knives in said openings, each of said knives having a lower perforated shoulder, an intermediary ring and an upper cutting edge, brackets secured to the underside of said discs having perforated arms, and screw-bolts passed through said perforated arms and the perforated shoulder and ring for allowing an adjustment of the cutting edges to project more or less above the upper face of said disc, and means for rotating said disc.

1,466,106. BOLL-WEEVIL CATCHER. LEMUEL L. ALLEN, Luling, Tex. Filed Sept. 4, 1920. Serial No. 408,217. 1 Claim. (Cl. 43—23.)



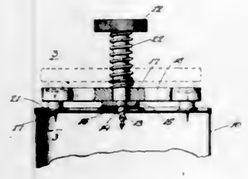
In a device of the class described, spaced receptacles, wings disposed above the receptacles and horizontally spaced sets of spring fingers projecting inwardly from the wings and overhanging the receptacles, each set of spring fingers comprising horizontally spaced lines of fingers, the fingers in one line being longer than the fingers of the other line, the longer fingers of each line being disposed to the rear of the shorter fingers in the other line of each set, thereby to increase the efficiency of the fingers when the same come into contact with standing plants.

1,466,107. ADVERTISING DEVICE. ALBERT S. ALOE, St. Louis, Mo., assignor to A. S. Aloe Company, St. Louis, Mo., a Corporation of Missouri. Filed Aug. 7, 1922. Serial No. 580,114. 2 Claims. (Cl. 40—130.)



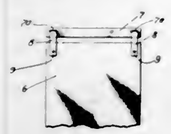
1. A shadow box for receiving a figure for advertising purposes, comprising a closed vertical rear wall, side, top, and bottom walls outwardly inclined from the edges of the rear wall, a short inwardly extended front flange projecting from the edges of the outwardly inclined side, top and bottom inclined walls, and a block mounted on the bottom outwardly inclined wall and abutting against the inner face of the lower portion of the front flange to hold said block, whereby to support a figure within the box for advertising purposes.

1,466,108. COMBINED CAN OPENER AND STOPPER. ALFRED OLANDER ANDERSON, Salt Lake City, Utah. Filed Oct. 19, 1921. Serial No. 508,796. 1 Claim. (Cl. 220—51.)



A can opener comprising a central post with a head and a threaded end, a shoulder adjacent said threaded end and a washer under said shoulder, a two armed handle slidably and revolubly mounted on said post between said head and said washer, a pointed double edged knife rigidly secured at each end of said arms at the same radial distance from the axis of said post, a spring on said post inserted between said head and said two armed handle tending to press the latter against said washer and a packing for each of said knives and said threaded end.

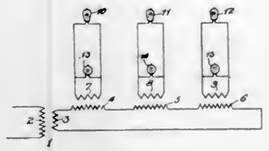
1,466,109. MAT OR CLOTH FOR OIL CAKES. KIRTLAND C. BARTON, National City, Ill. Filed July 18, 1921. Serial No. 485,704. 5 Claims. (Cl. 100—54.)



1. The combination with an oil cake mat or cloth, of a metallic strip attached to and spaced from one end of the mat or cloth for the purpose described.

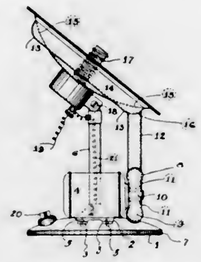
4. The combination with an oil cake mat or cloth, of a flexible metallic strip, and flexible connections uniting said strip with one end of the mat or cloth.

1,466,110. SYSTEM OF STREET LIGHTING AND APPARATUS THEREFOR. CHARLEY G. BECKWITH, Cleveland, and WILLIAM E. DAVIS, Lakewood, Ohio. Filed Nov. 17, 1919. Serial No. 338,710. 11 Claims. (Cl. 177—311.)



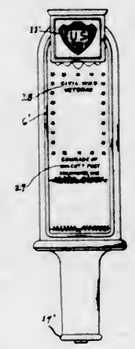
1. In a system of street lighting, a series of lamp posts provided each with two lamps connected in parallel on the same circuit, one of said lamps being of relatively low voltage and high candle power and placed near the top of the post for illuminating purposes, and the other of said lamps being of relatively high voltage and low candle power and placed near the base of the post for warning purposes, and a plurality of transformers each supplying current to the lamps of one lamp post at the normal voltage of said low voltage lamp when both lamps are burning, and at the normal voltage of said high voltage lamp when it only is burning.

1,466,111. ELECTRIC HEATER. JULIUS A. BERNINGHAUS, St. Louis, Mo. Filed Jan. 21, 1922. Serial No. 530,764. 6 Claims. (Cl. 219—42.)



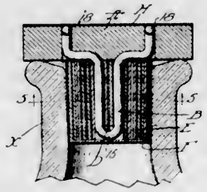
1. In an electric heater the combination of a radiator having holes, an air chamber in connection therewith, an air pipe leading to the said chamber, and a fan.

1,466,112. GRAVE MARKER. PAUL C. BIERSACH, Milwaukee, Wis. Filed Oct. 19, 1921. Serial No. 508,662. 4 Claims. (Cl. 40—124.5.)



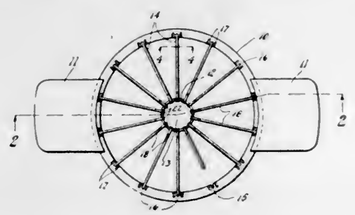
1. A grave marker comprising a closed casing having an opening in its bottom temporarily communicating with the interior and adapted to permit the insertion of ashes and subsequent sealing, said casing having integrally formed identifying matter and ornamentation, whereby a unitary container for ashes and an identifying marker is provided.

1,466,113. RECEPTACLE STOPPER. HERBERT J. BRAGDON, Alton, Ill., assignor to The Chicago Stopper Company, Chicago, Ill., a Corporation of Illinois. Filed Aug. 17, 1921. Serial No. 493,061. 8 Claims. (Cl. 215—48.)



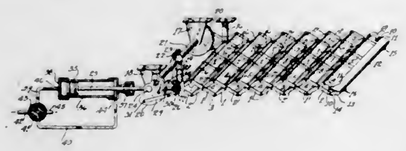
1. A container stopper having an axially inextensible body comprising a coiled strip of material, the body having a normal form adapting it to be forced into a container to effect a fluid tight closure thereof, the strip being adapted thereafter to be coiled more tightly, a member engaging the strip, and a head secured to the member and closely overlying the body, the head being of substantially greater diameter than the body so as to project over the wall of a container opening, the head being adapted, on rotative movement, to coil the strip more tightly, whereby the body will be released from a container, and, on removal, will assume its normal form.

1,466,114. APPLE SLICER. ROBERT BUCHI, Chicago, Ill. Filed Apr. 7, 1923. Serial No. 630,433. 5 Claims. (Cl. 146—41.)



1. An article of manufacture including a frame having vertical grooves formed in its inner sides, and cutting elements having end portions fitting the grooves with the portion of the material of the frame on opposite sides of the end portions at the tops thereof pinched together.

1,466,115. FENDER. EDMUND G. BUTSCH, St. Louis, Mo., and GEORGE W. BUTSCH, East St. Louis, Ill. Filed Nov. 27, 1922. Serial No. 603,498. 12 Claims. (Cl. 293—9.)

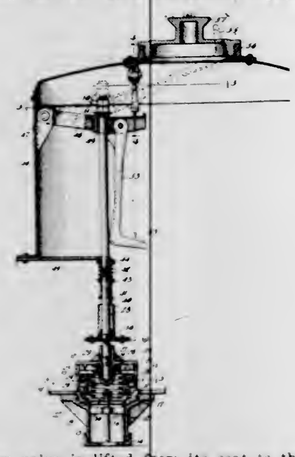


1. In a fender adapted to be projected in front of a vehicle or railway car, a bumper element forming a forward contact member of said fender, an extensible framework for connecting said bumper element with the vehicle and for projecting said element forwardly relative to the vehicle, resilient members forming a part of said framework, and means under manual control for extending said framework and moving said bumper element forwardly relative to the vehicle.

1,466,116. TANK-CAR VALVE AND OPERATING MECHANISM THEREFOR. ARGYLE CAMPBELL and ALBERT E. ZIMMER, Chicago, Ill., assignors to Enterprise Railway Equipment Company, Chicago, Ill., a Corporation of Illinois. Filed Apr. 6, 1921. Serial No. 458,959. 6 Claims. (Cl. 137—21.)

1. In an apparatus of the character described, the combination with a tank having an outlet opening and two alined valve seats adjacent thereto, one of larger diameter than the other; of a valve cooperable with the larger of said valve seats; a second valve cooperable with the smaller of said valve seats; means for directly lifting said larger valve from its seat; and cooperable

means on said larger and smaller valves, normally separated when the two valves are seated, engageable when



the larger valve is lifted from its seat to thereby indirectly lift the smaller valve from its seat when the larger valve is lifted.

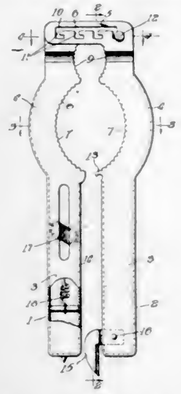
1,466,117. RADIATOR INDICATOR. LEE F. CHANEY, Springfield, Ohio. Filed Dec. 15, 1922. Serial No. 607,215. 13 Claims. (Cl. 116—114.)



7. Means for indicating the thermal conditions within a chamber normally sealed from view, comprising the combination with a chamber subject to varying thermal conditions, of a container for coloring material extending within the chamber, an indicator exteriorly of the chamber and exposed to view of a distant observer, a quantity of stain material normally within the container and subjected to the varying thermal conditions within the chamber and having communication with the indicator, said stain material being expelled from the container to intermittently and temporarily discolor the indicator under the influence of abnormal temperature conditions, by which the change of temperature within the chamber may be indicated to a distant observer.

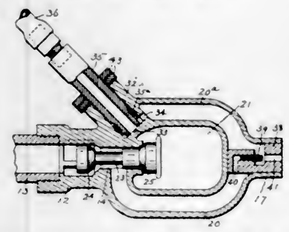
1,466,118. TOOL. EDWARD E. CIHA, Chicago, Ill. Filed Feb. 27, 1922. Serial No. 539,680. 1 Claim. (Cl. 81—3.1.)

In a tool of the kind described and in combination, a pair of sheet metal members each comprising a handle, a jaw portion, and a portion beyond said jaw extending laterally thereof, each of said jaw portions having a main and an auxiliary arcuate recess formed therein, those of one jaw registering with those of the other so that when assembled there will be formed a plurality of pairs of spaced object-receiving gripping openings between the registering recesses of both members, said recesses having serrated edges, one of said laterally extending portions beyond the jaw having an elongated slot longitudinally thereof with a series of notches offset therefrom and communicating therewith, the other of said longitudinally extending portions having a pin slidably engageable in said slot and movable into either of said notches, whereby said object-receiving recesses may be adjustably varied in size, said members provided with



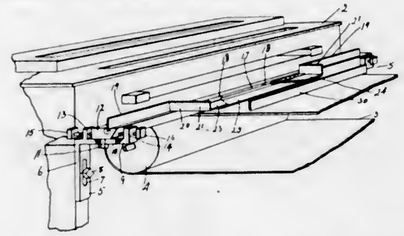
a flange along the bounding edges of said handle portions to form a channel and provided with a flange along the outer edge of the jaw portion so that said portion will be reinforced and suitable tools may be carried by said handles.

1,466,119. CONDUIT MEMBER FOR CONDUCTING FLUID UNDER PRESSURE. CHARLES A. CLAFLIN, Medford, Mass. Filed Sept. 8, 1922. Serial No. 586,892. 4 Claims. (Cl. 299—140.)



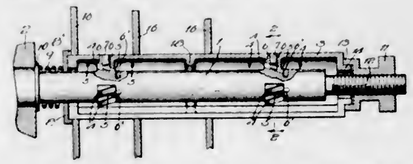
1. A valved conduit member composed of a casing comprising an inlet end portion formed as a coupling part, adapted to engage a complemental part on another conduit member, said end portion having a longitudinal bore extending through it, and provided with a rearwardly facing internal valve seat, and a forwardly facing external valve seat, spaced from the internal seat, an outlet end portion spaced from and substantially in alinement with the inlet end portion, and an intermediate portion communicating with the bore of the inlet portion between said valve seats, and with the outlet portion, said intermediate portion including two branches, arranged in the same plane, and offset oppositely from the axis of the casing, so that an opening is provided between said end portions communicating with the said external valve seat; and a stem movable longitudinally in said bore and provided with an inner valve, adapted to be seated on the internal valve seat by fluid pressure, to close the inlet end, and with an outer valve located in said opening, and adapted to be seated on the external valve seat by pressure exerted within said opening, to open the inlet end and prevent the escape of fluid into the opening, the said valves being so spaced apart that when either is opened, the other is closed, the said opening being formed to receive the said outer valve and permit the application of pressure thereto, to close the outer and open the inner valve.

1,466,120. PAPER-MAKING MACHINE. CHARLES C. CLUTCH, Yorklyn, Del. Filed Mar. 2, 1922. Serial No. 540,407. 10 Claims. (Cl. 92—44.)



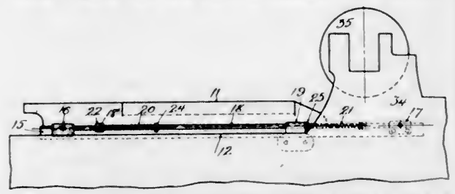
1. A paper making machine comprising in combination, a slice bar, vertically adjustable brackets for supporting an apron, said apron and means to adjust the apron horizontally relative to said slice bar.

1,466,121. WINDING ARBOR. CHARLES D. DALLAS, Winnetka, Ill. Filed Dec. 31, 1921. Serial No. 526,279. 4 Claims. (Cl. 242—72.)



2. A winding arbor, comprising in combination, a drive shaft member, an arbor shell of a plurality of circumferentially arranged sections removably carried thereby, axially spaced cam faces projecting inwardly from said arbor sections, cam faces projecting outwardly of said shaft and cooperable with first said cam faces to prevent independent rotational movement between said arbor and shaft, means for moving one of said shaft members longitudinally of the other to radially expand said shell member, and a rib on said arbor shell intermediate its cam faces to reinforce said shell and limit the radial inward movement thereof.

1,466,122. SLIDER CONTROLLER FOR PRESSES. FRED S. ENGLISH, New London, Conn. Filed July 6, 1922. Serial No. 573,220. 9 Claims. (Cl. 74—87.)



1. In a press the combination with a track and a bed reciprocating on said track, a reciprocating slider having revolving bearing members on which said bed travels and means for cushioning said slider comprising a spring arranged parallel and to one side of said slider and relatively movable members acting on said spring to cushion the action of said slider.

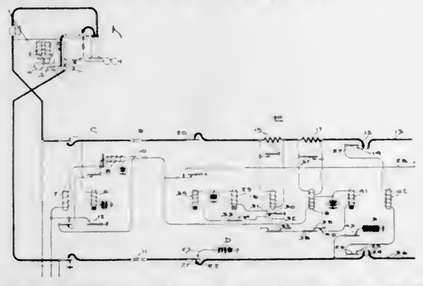
1,466,123. SAFETY RAZOR. JOHN H. D. EVERETT, Waukegan, Ill. Filed June 9, 1921. Serial No. 476,168. 4 Claims. (Cl. 30—12.)

1. In a safety razor, comprising in combination with a safety razor blade having notches formed in its opposite corresponding ends intermediate the edges thereof, of a holder for said blade, said holder comprising a blank struck from a single piece of material having one end portion bent centrally upon itself to form a handle and the other end of said blank comprising diverging jaw supporting portions and oppositely disposed resilient jaws



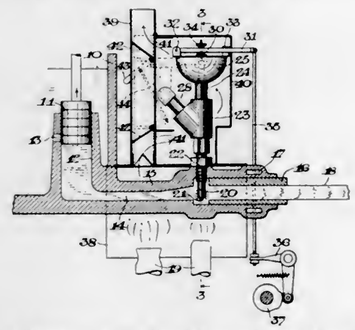
joined together by a serrated portion, said jaws being bent substantially at right angles with respect to said serrated portion; and lateral projections carried by said jaws adapted to engage said notches for holding said blade in shaving position, substantially as described.

1,466,124. MEASURED-SERVICE TELEPHONE SYSTEM. EDWARD D. FALES, Western Springs, Ill., assignor to Automatic Electric Company, Chicago, Ill., a Corporation of Illinois. Filed June 14, 1919. Serial No. 304,206. 15 Claims. (Cl. 179—6.3.)



1. In a telephone system, a line, a coin collecting device for said line, a magnet for operating said device, an automatic switch for extending a talking circuit from the line to another line, a battery for operating and talking purposes, said magnet nonresponsive to said battery, a pair of higher voltage batteries, means operated by the called subscriber when he answers for connecting one of said batteries to said magnet to collect the coin, and means controlled solely by the calling subscriber for connecting the other battery to the magnet to refund the coin.

1,466,125. OILER FOR METAL-CASTING MACHINES. CHARLES F. FAUPEL, Chicago, Ill. Filed June 18, 1921. Serial No. 478,581. 11 Claims. (Cl. 207—1.)



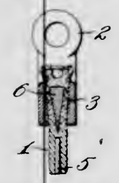
1. In a machine for forming metal objects by forcing molten metal through a die, a means for introducing lubricant to the stream of molten metal to facilitate its travel through the die, comprising a vapor chamber containing oil vapor, and a pipe leading therefrom to the stream of molten metal.

10. In a metal casting machine for producing metal strips by forcing molten metal through a cooling die, the method of lubricating which consists in forcing a lubricant vapor into the molten metal as it passes through the cooling die.

1,466,126. ELECTROLYTIC REFINING OR DEPOSITING OF TIN. COLIN G. FINK, Yonkers, N. Y., assignor to Guggenheim Brothers, New York, N. Y., a Copartnership. Filed Feb. 1, 1922. Serial No. 533,249. 17 Claims. (Cl. 204—17.)

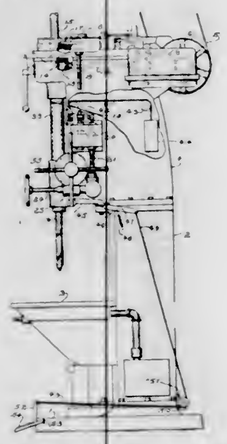
1. The improvement in the electrodeposition of tin, which comprises depositing the tin from an electrolyte containing a preponderating concentration of sulfate ions with respect to other anions therein and a concentration of ions of a metal more electropositive than tin preponderating with respect to other cations therein.

1,466,127. CABLE-END CONNECTION. HENRY C. GOTTSCHALT, Bratenahl, Ohio. Filed Aug. 16, 1920. Serial No. 403,916. 1 Claim. (Cl. 24—123.)



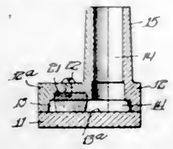
In a cable end connection of the character specified, the combination with a cable, of an element having a tapered bore through which the end of the cable is inserted from the smaller toward the larger end thereof, a spreader within the strands of the cable in opposed relation to the wall of the bore, the angle of convergence of the spreader walls being greater than that of the walls of the bore, the cable strands extending beyond the larger end of the spreader to provide a cavity within the strands, and a deposit of binding metal within said cavity connecting the ends of the strands beyond the larger end of the spreader.

1,466,128. DRILL-PRESS CONTROL. GEORGE E. HALLENBECK, Toledo, Ohio, assignor to Baker Bros., Toledo, Ohio, a Firm. Filed Nov. 28, 1921. Serial No. 518,389. 2 Claims. (Cl. 77—33.)



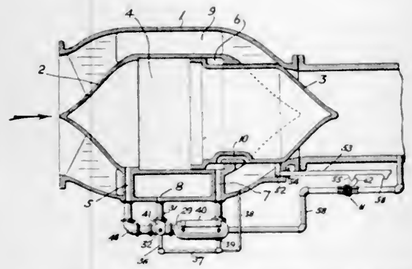
1. A machine tool embodying a rotary member, continuous driving means therefor as to which the member is reciprocable while continuing to rotate, a counterweight for shifting the member in one direction, a positive feed for shifting the member in the other direction, a power drive for the feed, a trip for cutting out the feed and allowing the counterweight to shift the member, a reset for reconnecting the positively driven feed for again effecting shifting of the member, and a foot operating device for throwing the reset.

1,466,129. DIVIDED MOLD. EDWARD J. KUKAC, Chicago, Ill. Filed Mar. 14, 1921. Serial No. 452,210. 6 Claims. (Cl. 22—136.)



6. A divided mold, comprising relatively movable members constructed to form a grid cavity and a post cavity communicating therewith, and a grid core located in the grid cavity and having means for holding it in different positions therein to vary the relation of the post formed in the post cavity to the grid produced by the grid cavity.

1,466,130. VALVE. CHESTER W. LARNER, Philadelphia, Pa., assignor to The William Cramp & Sons Ship & Engine Building Company, a Corporation of Pennsylvania. Filed Apr. 29, 1919. Serial No. 293,476. 32 Claims. (Cl. 137—139.)



6. In means for controlling the operation of pressure operated valves the combination of fixed and movable valve elements embodying cylindrical and annular operating chambers, a casing body having a valve mounted therein for exhausting pressure from said annular chamber and having a seat for said valve, a valve and a complemental seat in the casing for admitting pressure to said cylindrical chamber said last mentioned two valves being separate structures, and means whereby the last two named valves are seated and unseated in unison, substantially as described.

12. The combination of a conduit, a valve seat and a hollow telescoping valve in the conduit, the movable section of the valve having reverse curves, means for applying the pressure of the fluid in the conduit to opposite sides of the movable section to open and close the valve, and automatic means for slowing down the movable element as it approaches the end of its stroke in each direction.

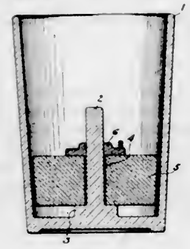
24. In a mechanism for controlling the flow through a conduit the combination with a main valve having a piston member and fluid pressure chambers on the opposite sides thereof, of control means for the fluid pressure to said chambers comprising a pair of separate auxiliary valves adapted to retain fluid pressure in said chambers and hold said main valve against movement, and control means for selectively actuating one or the other of said auxiliary valves to move said main valve.

1,466,131. POPGUN. CHARLES F. LEFEVER, Plymouth, Mich., assignor to Daisy Manufacturing Co., Plymouth, Mich., a Corporation of Michigan. Filed May 10, 1922. Serial No. 559,737. 7 Claims. (Cl. 124—10.)



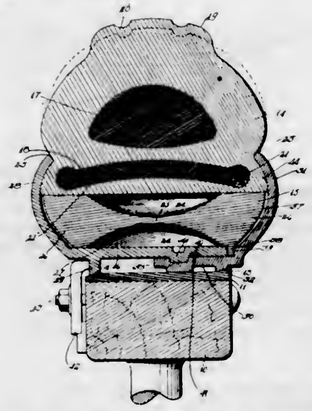
1. In a toy gun, the combination with a barrel and a spring pressed plunger therein, of a stock having a breakdown connection with said barrel, a hooked shank for said plunger, a combined trigger and sear for engaging said hooked shank and for releasing the same, and a member projecting from said stock through the side of and into the barrel adapted to engage said hooked shank during the breaking down movement to force the same into engagement with said sear.

1,466,132. SALT-CAKE CUP. ALBERT C. LIPPERT, Canton, Ohio. Filed Nov. 23, 1922. Serial No. 602,747. 6 Claims. (Cl. 23—3.)



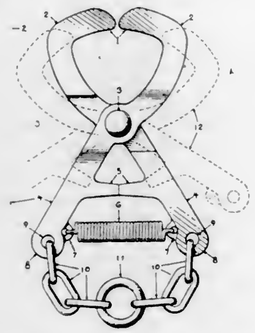
1. A salt cup provided with a stem, and a salt cake having an aperture to receive the stem.

1,466,133. RESILIENT TIRE. CARL G. LUNDSTROM, Boone, Iowa. Filed Sept. 13, 1921. Serial No. 500,422. 8 Claims. (Cl. 152—1.)



5. In a device of the class described, an annular resilient tread member having an annular central core member, a reinforcing member in said tread member between the core and its inner annular face, said reinforcing member comprising a series of spaced annular cables, and a series of intermediate flexible wires, the said wires and cables being mounted in a series of layers of vulcanized fabric, an annular cushion member within the inner face of said annular tread member formed of a material having higher resiliency than the tread member, and having its annular faces formed with oppositely arranged concave pockets, detachable means for securing said tread member and said cushion member together.

1,466,134. LEAD RING. FRED LUX, Milmine, Ill. Filed Apr. 13, 1923. Serial No. 631,794. 1 Claim. (Cl. 119—135.)



The combination substantially as described, of two gripping jaws or arms controlled by opposite arms or levers, said jaws and levers being in one piece and duplicate for both sides of the device, operating on a single pivotal point, and being provided with limiting lugs which are held abutting each other by means of a spring attached to terminal lugs at the terminal heads of said arms or levers, said limiting lugs holding apart the gripping ends of said gripping jaws or arms to a distance required for practical use, and governed by said limiting lugs, as and for the purposes herein set forth.

1,466,135. [WITHDRAWN.]

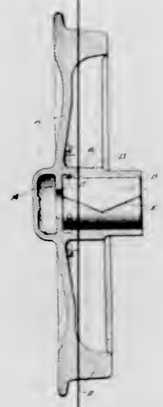
1,466,136. WRENCH. EDWARD MATTHEWS, Denver, Colo. Filed Apr. 13, 1922. Serial No. 552,271. 2 Claims. (Cl. 81—91.)



1. A wrench comprising, in combination, a handle having a nut engaging head integral therewith, said head having two angularly inclined faces adapted to cooperate with the sides of a nut, each of said faces forming a different angle with a plane passing transversely through the handle in a longitudinal direction, a projecting portion extending to one side of the handle at the end to which the nut engaging head is secured, a jaw member hingedly connected to the projecting portion and adapted to cooperate with the angularly inclined faces for the purpose of engaging the sides of a nut, said jaw having three nut engaging surfaces forming an angle of 120 degrees with each other, the relationship of the central nut engaging surface of the jaw and the cooperating face on the nut engaging head being such that they are substantially parallel when the jaw is in position to engage

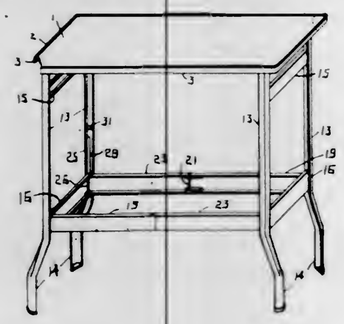
the minimum size nuts, and means for limiting the opening of the jaw, said means comprising a part of the projecting portion which extends outwardly a sufficient distance to engage the jaw as the latter is moved outwardly.

1,466,137. BUSHING FOR CAR WHEELS. EZRA B. MEAD, Ottumwa, Iowa, assignor to Ottumwa Iron Works, Ottumwa, Iowa, a Corporation of Iowa. Filed May 29, 1922. Serial No. 564,455. 6 Claims. (Cl. 295—35.)



6. A car wheel having a hub, an enlargement within the ordinary bore of said hub, a bushing adapted to be inserted within the hub and having projections adapted to snap into said enlargement.

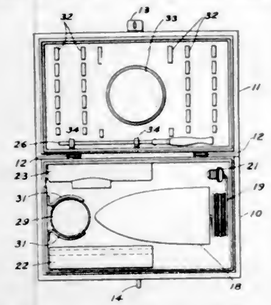
1,466,138. FURNITURE. CHARLES F. MEILINK, Toledo, Ohio. Filed July 12, 1918. Serial No. 244,535. 6 Claims. (Cl. 45—31.)



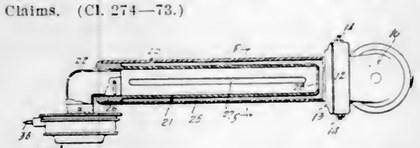
1. A sheet metal furniture structure comprising a platform, sustaining means therefor in unitary assembly therewith in set up and in knock down condition and including two pairs of supports, bracing means between the supports and connected thereto independent of the platform, and means pivoting one pair of supports further from the platform than the other pair thereof.

1,466,139. TRAVELER'S SET. DAVID MICHIE, Irwin, Pa. Filed Dec. 7, 1922. Serial No. 605,540. 3 Claims. (Cl. 219—25.)

1. In a traveler's set, in combination, a box, an electrically heated device in said box and removable therefrom, means for permitting the heating of said device in said box, and a plurality of removable adapters for permitting the employment of said device, while in its normal position in said box, in heating other appliances.

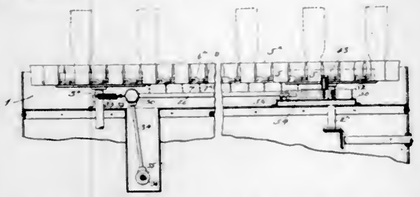


1,466,140. TONE ARM. ALFRED K. MILLER, Los Angeles, Calif. Filed Feb. 5, 1921. Serial No. 442,641. 6 Claims. (Cl. 274—73.)



1. In apparatus of the character described, a tubular outer shell, and a tubular sound modifying member extending freely longitudinally through the outer shell and substantially concentric therewith, and defining an annular space between it and the outer shell, said tubular sound modifying member having an open end within said outer shell and said open end being somewhat choked.

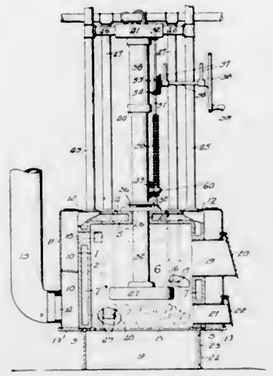
1,466,141. BOTTLE-RINSING MACHINE. CHARLES ALVIN MILLER, Bainbridge, Ga., assignor to Miller Manufacturing Company, Decatur County, Ga., a Corporation of Georgia. Filed July 22, 1920. Serial No. 398,110. 8 Claims. (Cl. 141—7.)



6. In a bottle washing apparatus, a bottle carrier, means for moving said bottle carrier in an endless path, a reciprocatable fluid conductor comprising a pipe disposed substantially parallel with the conveyer path, said pipe having a fluid emitting orifice disposed and adapted to direct a stream of fluid into a bottle on the carrier, a guide upon which one end of the conductor is adapted to slide, and an oscillatory pipe supporting the other end of said conductor, said oscillatory pipe being constructed and adapted to conduct fluid to said conductor.

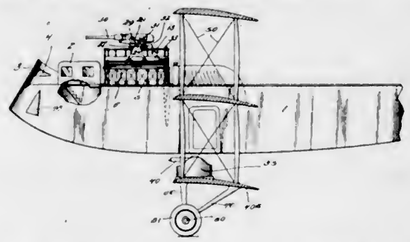
1,466,142. WATER HEATER. OTTO J. MOOSE, St. Louis, Mo. Filed Sept. 8, 1919. Serial No. 322,243. 3 Claims. (Cl. 122—165.)

1. In an auxiliary heater, a water heating and circulating head having a plurality of horizontally disposed partitions, so arranged as to divide the head into a plurality of upper radially directed water passages and a plurality of lower radially directed water passages all of which communicate at their outer ends with an annular water passage, a telescopic water supply pipe connected at its lower end to said partition and communicating with the lower water passages and connected at its upper end to a stationary coupling, and a telescopic water supply pipe



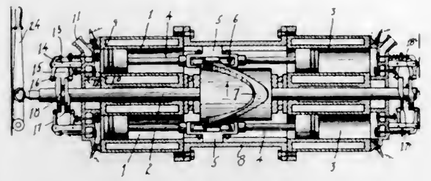
connected at its lower end to the upper wall of said water heating and circulating head and connected at its upper end to said stationary coupling, a screw movably supported between said stationary coupling and a furnace, a threaded member fixed to the movable water discharge pipe through which said screw passes and means for turning said screw for raising or lowering the water head within the combustion chamber of a furnace.

1,466,143. GUN-EQUIPPED AEROPLANE. SALVATORE MOTTA, New York, N. Y. Filed May 31, 1921. Serial No. 473,730. 1 Claim. (Cl. 89—40.)



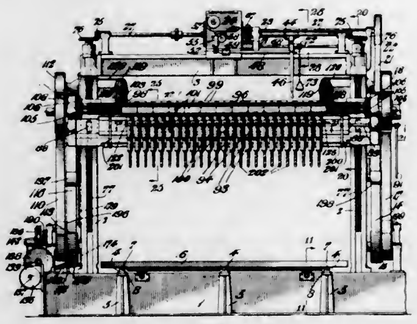
The combination in an aeroplane, of a fuselage, a series of wings connected therewith and arranged one above the other, a skeleton frame superimposed on the fuselage in front of the wings, a circular track fixed on said frame, a fixed arcuate rack arranged within and in spaced relation to the track, a pivoted platform having anti-friction means bearing on the track, rails in parallelism on said platform, a gun carriage movable rectilinearly on said rails, means to hold the gun carriage to the rails, guide rods for the carriage fixed at their ends to the platform and having abutments at their ends, coiled springs mounted on said guide rods and interposed between the ends of the carriage and the abutments, and means on the platform and arranged to cooperate with the rack for the swinging of the platform about its axis; the said means for holding the gun carriage to the rails including antifriction wheels disposed below the rails and having circumferential grooves receiving the rails, and anti-friction wheels disposed above the rails and having circumferential grooves receiving the same.

1,466,144. VALVE GEAR FOR INTERNAL-COMBUSTION ENGINES. PETER W. MURPHY, Detroit, Mich., assignor to The Murphy Engineering Company, Detroit, Mich., a Corporation of Michigan. Filed June 24, 1918. Serial No. 241,658. 12 Claims. (Cl. 123—58.)



1. In an internal combustion engine, a main shaft, sets of opposed cylinders circularly disposed around the shaft, pistons for the cylinders, a driving connection between the pistons and the shaft adapted to cause rotation of the shaft, a head common to the cylinders of each set provided with an intake and an exhaust passage each in communication with a compression chamber of the cylinders, an intake valve for each cylinder controlling communication between the intake passage and cylinder, an exhaust valve for each cylinder controlling communication between the said cylinder and exhaust passage, a valve operating member for each set of intake valves and a valve operating member for each set of exhaust valves, both of said members being on the main shaft and controlling the operation of the valves for each cylinder in succession, and means for moving one of each of said valve operating members to simultaneously open the corresponding set of valves.

1,466,145. MULTIPLE SPINDLE DRILL. FRANK EGON NEITZEL, San Francisco, Calif., assignor to Bethlehem Shipbuilding Corporation, Ltd., South Bethlehem, Pa., a Corporation of Delaware. Filed July 31, 1919. Serial No. 314,510. 7 Claims. (Cl. 77—32.)

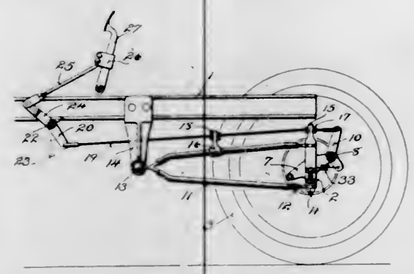


1. In a multiple spindle drill, a cross head, means to raise and lower it, a drill head support guided in said cross head, means to laterally adjust said support, drill heads movable on said support, means to clamp each drill head in its adjusted position, drill spindles for said drill head, a rod passing through said drill heads, clamping means on each drill head to engage said rod, and means to drive said drill spindles.

1,466,146. FRONT-WHEEL BRAKE. HENRY J. NOLL, Milwaukee, Wis. Filed Oct. 12, 1921. Serial No. 507,322. 5 Claims. (Cl. 188—194.)

3. The combination with the frame, brake pedal, front wheels and steering knuckles of an automobile, of a pair

of brakes mounted in operative relation to said wheels, braces journaled at their front ends on the steering knuckles and pivotally connected at their rear ends to the frame, levers carried by the steering knuckles and

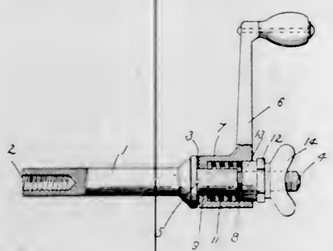


operable to operate the brakes, sheaves supported by the steering knuckles and braces, and cables connected with the levers and carried over said sheaves and connected with the pedal, said cables and levers being operable when the pedal is depressed to apply the brakes.

1,466,147. EXPLOSIVE. SERENO G. NORTON, Kenvil, N. J., assignor to Hercules Powder Company, Wilmington, Del., a Corporation of Delaware. Filed July 11, 1922. Serial No. 574,303. 3 Claims. (Cl. 52—13.)

1. An explosive consisting of a stabilized mixture of trinitroglycerine and nitrated xylose.

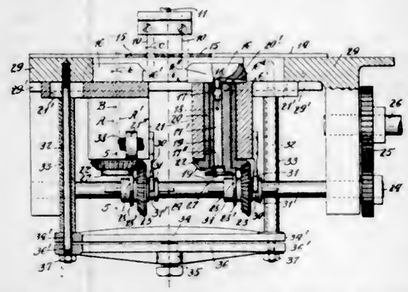
1,466,148. CRANK. JESSE L. SANDS, Fairmont, W. Va. Filed July 12, 1922. Serial No. 574,359. 1 Claim. (Cl. 74—33.)



In a device for the purpose set forth, a shaft for engaging the winding means of a spring motor, said shaft having an outer threaded end and a shoulder inward of said end, said shoulder having ribs thereon, a crank handle having a socket which is received on the threaded end of the shaft, said socket having grooves to receive the ribs on the shoulder, a spring in the socket, a nut screwed on the threaded end of the shaft and contacting the spring for influencing the socket to bring the grooves thereof to receive the ribs on the shoulder of the shafts, and a locking nut also screwed on the said threaded end of the shaft.

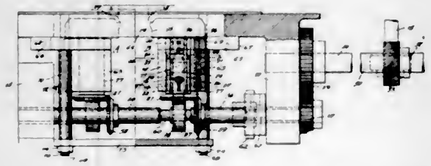
1,466,149. LOOP-TAKER MECHANISM FOR ZIGZAG SEWING MACHINES. RALPH M. SHARAF, New York, N. Y., assignor to R. M. Sharaf Machine Co., Boston, Mass., a Corporation of Massachusetts. Filed Nov. 24, 1917, Serial No. 203,658. Renewed Dec. 2, 1919. Serial No. 342,015. 16 Claims. (Cl. 112—59.)

1. In a sewing machine, a rotary looptaker, a member mounted to turn about a stationary axis parallel to the axis about which the loop-taker rotates, said loop-taker being journaled in said member, means for rotating the loop-



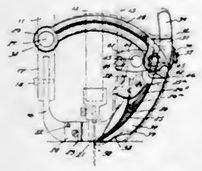
taker about its own axis, and means for turning said member to cause the loop-taker axis to travel through a closed circular path around said stationary axis.

1,466,150. ZIGZAG MECHANISM FOR SEWING MACHINES. RALPH M. SHARAF, New York, N. Y., assignor to R. M. Sharaf Machine Co., Boston, Mass., a Corporation of Massachusetts. Filed Apr. 2, 1917, Serial No. 159,058. Renewed July 13, 1921. Serial No. 484,509. 11 Claims. (Cl. 112—159.)



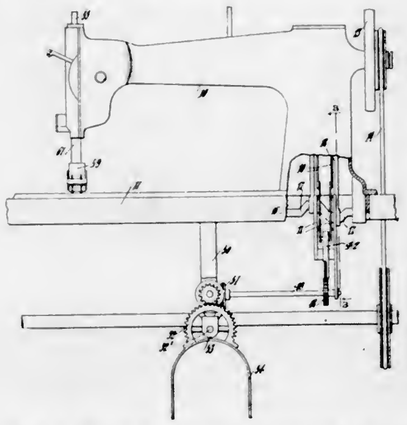
1. A zig-zag mechanism for sewing machines, comprising a needle bar, two needles connected with said bar rigidly and located out of line with respect to the direction of feed, means for reciprocating the needle bar and for imparting a lateral movement thereto, loopers arranged to cooperate with said needles, and means for shifting said loopers laterally in correspondence to the lateral movements of the needles, the central axes of said loopers being movable during said shifting movement along a vertical plane intersecting both of said axes.

1,466,151. TRIMMING OR CUTTING MECHANISM FOR SEWING MACHINES. RALPH M. SHARAF, New York, N. Y., assignor to R. M. Sharaf Machine Co., Boston, Mass., a Corporation of Massachusetts. Filed Apr. 2, 1917. Serial No. 159,059. 12 Claims. (Cl. 112—122.)



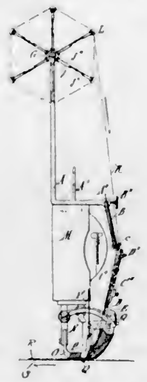
6. A trimming or cutting mechanism for sewing machines, comprising a pivoted member, a knife supported by said pivoted member, a feed bar movable up and down and having a feed action on its downstroke and inactive on its upstroke, as regards feeding, and means operatively connecting said feed bar to said knife, to impart downward movement to said knife upon the upward movement of said feed bar.

1,466,152. SEWING-MACHINE FEED MECHANISM. RALPH M. SHARAF, New York, N. Y., assignor to R. M. Sharaf Machine Co., Boston, Mass., a Corporation of Massachusetts. Filed Oct. 24, 1916, Serial No. 127,323. Renewed July 13, 1922. Serial No. 484,507. 31 Claims. (Cl. 112—209.)



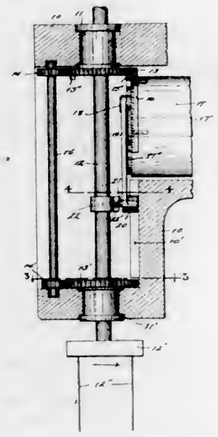
15. In a sewing machine, the combination with driving and stitch forming mechanisms, of independently controllable parallel feeding devices operated from said driving mechanism, and means for shortening the throw of one of said feeding devices while the other remains at its normal throw, said controlling means including a cam member having a pair of cam grooves, each of the grooves being concentric at one end and spiral at its other end and the grooves being reversely arranged on the cam member, and connections cooperating between said cam member and the feeding devices.

1,466,153. LACE HOLDER AND GUIDE FOR SEWING MACHINES. RALPH M. SHARAF, New York, N. Y., assignor to R. M. Sharaf Machine Co., Boston, Mass., a Corporation of Massachusetts. Filed Mar. 6, 1918, Serial No. 220,760. Renewed Dec. 20, 1922. Serial No. 499,353. 19 Claims. (Cl. 242—76.)



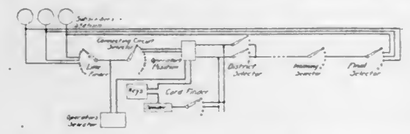
6. In a sewing machine, a lace guide and a horizontally disposed reel for supplying lace to said guide, said reel being of circular cross section, and disposed so that the direction of the lace path from the reel to the guide will extend in a straight line from a point above the horizontal middle portion of the reel.

1,466,154. NEEDLE-JOGGING MECHANISM FOR SEWING MACHINES. RALPH M. SHARAF, New York, N. Y., assignor to R. M. Sharaf Machine Co., Boston, Mass., a Corporation of Massachusetts. Filed Mar. 15, 1918, Serial No. 222,590. Renewed Sept. 8, 1921. Serial No. 499,321. 22 Claims. (Cl. 112—158.)



1. In a sewing machine, a needle bar, means rotatable in a closed path supporting said bar, means operatively connected with said supporting means adapted to move said supporting means to shift the needle bar laterally in a movement which shifts the axis of said needle bar in the same direction in a closed path, and means adapted to reciprocate said needle bar longitudinally to perform stitching operations at different points of said closed path, said latter means being correlated to said means operatively connected to said supporting means so that two successive stitching operations are performed during a complete movement of said needle bar in said closed path.

1,466,155. TELEPHONE-EXCHANGE SYSTEM. SAMUEL B. WILLIAMS, Jr., Brooklyn, N. Y., assignor to Western Electric Company, Incorporated, New York, N. Y., a Corporation of New York. Filed Mar. 27, 1919. Serial No. 285,411. 111 Claims. (Cl. 179—27.)

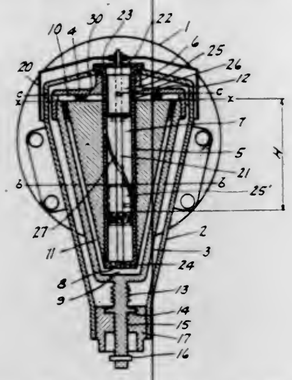


1. In combination, a plurality of switching devices, a variably operable mechanism for selectively operating said devices, a switch for associating said mechanism with any one of said devices, automatic means for actuating said switch to associate said mechanism with certain ones of said devices, and means operable at will for actuating said switch to associate said mechanism with a certain other one of said devices.

1,466,156. ROTARY SPEED INDICATOR. EMERY J. WILSON, Cleveland, Ohio. Filed Mar. 15, 1917. Serial No. 155,061. 10 Claims. (Cl. 264—19.)

1. A speed indicator, comprising an outer rotatable body having a chamber concentric with the axis of rotation, an inner fixed body about which said outer body rotates and which forms a wall of a chamber concentric with the axis of rotation and communicating with the

chamber of the outer body, liquid in said chambers adapted to flow from chamber to chamber as the speed of rotation varies, the displacement of the liquid in the inner chamber serving to indicate variations in the speed



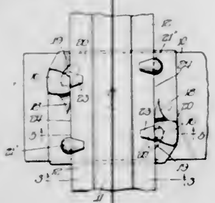
of rotation, a float supported by the liquid in the inner chamber, and spirally disposed guiding connections between said float and the fixed inner body adapted to produce rotation of the float as the liquid rises and falls in the inner chamber.

1,466,157. SPOOL FOR PHOTOGRAPHIC FILMS AND THE LIKE. CHARLES E. BYRNE and JOSEPH SHERWIN MURPHY, Chicago, Ill. Filed Mar. 1, 1922. Serial No. 540,115. 3 Claims. (Cl. 242—71.)



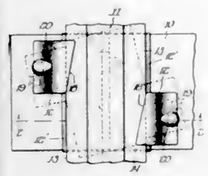
1. A spool for photographic films and the like comprising in combination a cylindrical spool shaft for winding the film, a head or end flange member consisting of a disk having projecting at one side an annular flange formed up from the central area of the disk, and adapted to be applied as a ferrule on the end of the spool shaft, the disk having situated within the circle of said annular flange and diametrically with respect thereto an oblong aperture, the spool shaft having an end recess which is exposed at the area of said aperture when said shaft end is entered into the ferrule-like flange.

1,466,158. ANCHOR PLATE. JOHN R. CALDERON, Chicago, Ill. Filed Aug. 25, 1922. Serial No. 584,164. 30 Claims. (Cl. 238—305.)



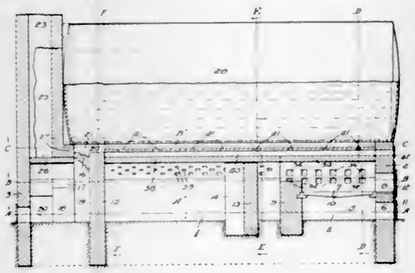
1. An anchor plate comprising a member adapted to underlie a rail and having a holding position relative thereto, said member being provided with means for limiting the swinging movement thereof from said holding position and having means integral therewith for locating and holding a rail spike.

1,466,159. ANCHOR PLATE. JOHN R. CALDERON, Chicago, Ill. Filed Aug. 25, 1922. Serial No. 584,165. 11 Claims. (Cl. 238—305.)



1. An anchor plate comprising a bed portion having a pair of shoulder means for enclosing the base of a rail, said bed portion having a pair of overhanging members adapted in one position of said bed plate to receive between them the base of the rail and in another position to overlie said base.

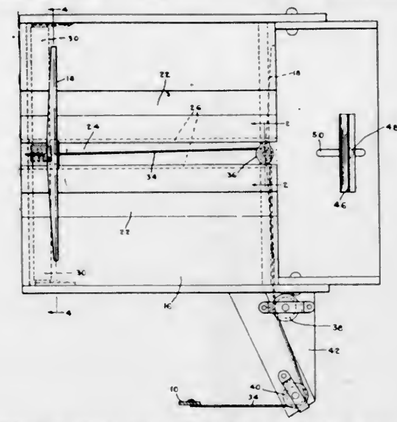
1,466,160. FURNACE STRUCTURE. GEORGE GROH, St. Louis, Mo., assignor of one-half to Edward Bastian, St. Louis, Mo. Filed June 10, 1918. Serial No. 239,133. 10 Claims. (Cl. 110—82.)



1. In a furnace structure of the class described, a still, an arched structure having a series of flame and smoke openings, said still and the arched structure forming, in conjunction with the walls of the furnace, a fuel chamber, a combustion chamber, a heating chamber and smoke outlet flues, said heating chamber being arranged between the bottom half of the still and said arched structure, a flame spreader arranged in the combustion chamber to the rear of the fuel chamber, means for dividing and equalizing the flames and smoke as they pass from the combustion chamber into the heating chamber to establish a substantially uniform temperature under the entire length of the still, said heating chamber communicating with the smoke outlet flues and means for directing cold air into the heating chamber below the bottom of the still.

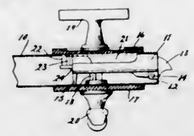
1,466,161. ENVELOPE-DELIVERY DEVICE. JOSEPH C. GUNDERSON, Grand Forks, N. Dak. Filed Mar. 20, 1922. Serial No. 545,027. 4 Claims. (Cl. 271—84.)

1. In combination with a printing press having mechanism for removing printed envelopes from the platen, a table adapted to be attached to the printing press for receiving the envelopes removed by said mechanism, a



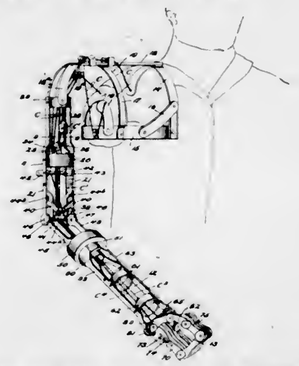
pusher slidably mounted on said table, and means for causing said pusher to reciprocate in synchronism with said envelope removing mechanism.

1,466,162. DOOR LATCH. WILLIAM S. HAMM, Hubbard Woods, and JAMES A. GIESE, Chicago, Ill., assignors to The Adams & Westlake Company, a Corporation of Illinois. Filed Sept. 4, 1920. Serial No. 408,304. 10 Claims. (Cl. 292—337.)



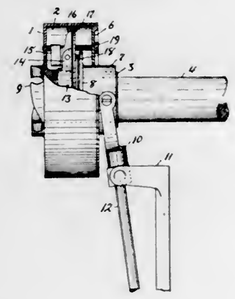
1. In combination, a door latch casing adapted to enter a recess in the door edge, and a plate for attachment to the side face of the door and having instanding ribs spaced to engage opposite margins of the casing.

1,466,163. ARTIFICIAL LIMB. ROMAINE R. HARRIS, San Diego, Calif., assignor of one-twentieth to Jennie B. Wickizer, one-twentieth to C. F. Holland, one-twentieth to Tilla Belchner, six-twentieths to Maude F. Galigher, and one one-hundredth to Wilhelmine C. Griffin, Alameda, Calif. Filed Mar. 7, 1921. Serial No. 450,203. 27 Claims. (Cl. 3—12.)



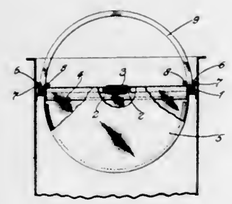
1. In an artificial arm, means for supporting the same on the body of a person, an upper arm section secured to said supporting means, a lower arm section pivotally secured to the lower end of the first named section, one of said arm sections having adjacent its point of pivotal support a portion provided with a series of notches, a dog movably mounted on the other section and arranged to engage said notches as the lower arm section is moved relative to the upper section, means for moving said lower arm section relative to the upper arm section and means carried by the upper arm section for withdrawing said dog from said notches.

1,466,164. ENGINE GOVERNOR. CALVIN GLENN HARTLEY, Roanoke, Ind., assignor to Knox Engineering and Manufacturing Company, a Corporation of Indiana. Filed Sept. 23, 1920. Serial No. 412,271. 1 Claim. (Cl. 264—15.)



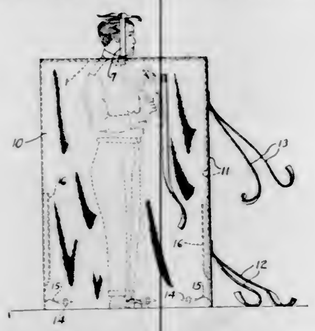
In an engine governor, a revolving case having a central hub, a series of pivoted governor members supported within the case and revoluble therewith; a bearing plate longitudinally actuated by the governor members; a series of bolts in the case extending loosely through the bearing plate so that the bearing plate is caused to rotate with the case while being free to have longitudinal movement therein; a governor sleeve longitudinally movable on the hub; and a floating washer positioned between the bearing plate and the sleeve.

1,466,165. COMBINED COFFEE SACK AND HOLDER. ARTHUR G. HEROLD, St. Louis, Mo. Filed Oct. 6, 1922. Serial No. 592,903. 2 Claims. (Cl. 53—3.)



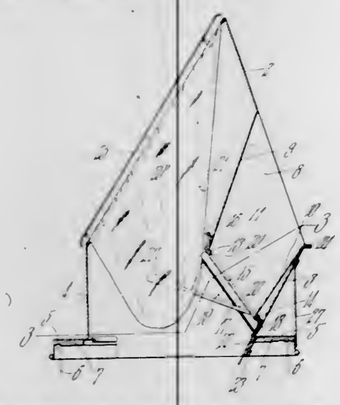
1. A combined coffee sack and holder, comprising a split ring adapted to be passed endwise through a loop of a sack, a sack, a loop on the sack for receiving said ring as aforesaid and having diametrically opposite openings therein, diametrically opposite ears on the ring extending through said openings in the loop on the sack, and a bail pivotally united with said ears.

1,466,166. PORTABLE DRESSING TENT. HARRIETTE E. HODGSON, New York, N. Y. Filed May 24, 1922. Serial No. 563,249. 6 Claims. (Cl. 135—1.)



1. A dressing tent having a framed top containing an opening for the head and provided with means for supporting it upon a person in a standing position and a depending enclosure.

1,466,167. DUST COLLECTOR. HULBERT P. HOLDEN, Springfield, Mass. Filed May 27, 1922. Serial No. 564,097. 12 Claims. (Cl. 183—62.)

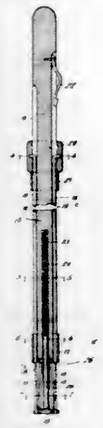


1. A dust collector comprising an enclosing hood having an inlet opening for a charge of material, a closure for said opening, said hood provided with means to form an expansible closed chamber therein adapted to allow for the displacement of air within said hood caused by said charge of material entering said hood thru said opening, said closure comprising means to maintain a substantially closed condition of said opening against the egress of dust during the passage of said charge of material therethru.

1,466,168. WEED EXTRACTOR. FRANK HOLTON, Chicago, Ill. Filed July 29, 1921. Serial No. 488,295. 9 Claims. (Cl. 55—65.)

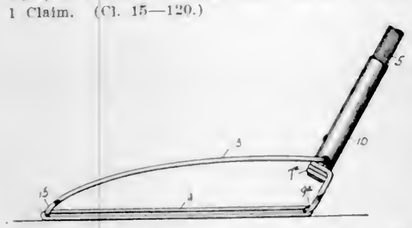
1. In a device of the character described the combination with a main support; of a plurality of movably mounted gripping fingers attached at the lower end of said support; a cam element slidably mounted with respect to said support at said lower end and co-operable with said fingers to actuate the latter toward each other upon movement of the cam element toward the support; means for preventing relative rotation of said cam and support; and means independent of said first named means for guiding the sliding movement of said cam.

9. In a device of the character described, the combination with an elongated main support; of a plurality of gripping fingers pivotally attached at their upper ends to the lower end of said support; a cam plate having slots therein through which said fingers extend, the outer edges of said fingers serving as cam edges cooperable



with said plate upon movement of the latter toward the pivoted ends of said fingers; means, including a spring, normally tending to hold said cam plate near the free ends of said fingers; and means for automatically locking said cam plate in its position nearest the pivoted ends of said fingers.

1,466,169. FLOOR MOP. MORTEN V. HULTQVIST, New York, N. Y. Filed June 23, 1922. Serial No. 570,300. 1 Claim. (Cl. 15—120.)

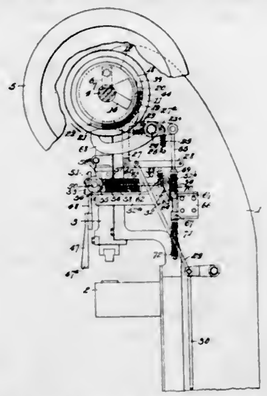


A combined mop and wringer comprising a handle, an open loop secured to the lower end of the handle for receiving one end of a mop fabric, a sliding sleeve carried by the handle, a pair of arms having a closed loop at one end thereof, pivotally mounted on the sleeve, means for locking the sleeve adjacent the lower end of the handle whereby the mop fabric is distended, said sleeve being slidable on the handle permitting the mop fabric to lie loosely between the supporting elements whereby it may be rotated by the handle during the act of wringing.

1,466,170. SAFETY MECHANISM FOR POWER PRESSES. MARTIN L. HUNKER, Wheeling, W. Va. Filed May 21, 1921. Serial No. 471,388. 6 Claims. (Cl. 192—134.)

1. In a power press, a clutch including a ratchet disk and a key, said key being shiftable longitudinally to and from advanced shaft-interlocking relation to the driving means, a hand-guard arranged for travel with the press slide, and means intermediate said guard and said disk whereby travel of the latter is automatically arrested for disengaging said key from the driving means by impingement of said guard upon a member disposed in its path of

travel, said arresting means including a pawl, shiftable means for moving said pawl into engagement with said



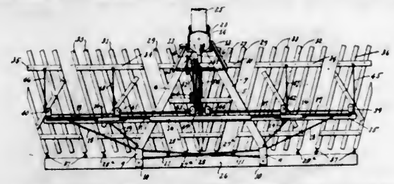
disk, and a cam carried by the press slide and actuated by such impingement of the guard to operatively actuate said shiftable means.

1,466,171. VALVE. OYSTEIN JACOBSEN, Dayton, Ohio, assignor to Duriron Company Inc., a Corporation of New York. Filed Sept. 16, 1920. Serial No. 410,603. 2 Claims. (Cl. 251—128.)

1. In combination in a check valve construction, a casing, a valve in the casing provided with guide extensions on its opposite sides, and guide receptacles carried by the casing and receiving said extensions, restricted outlet means for the receptacles to the interior of the casing being provided to throttle the inflow and outflow of fluid and retard the movements of the valve, the said extensions and receptacles having metal to metal contact.

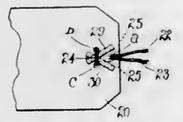
1,466,172. ADJUSTABLE HARROW. CARL G. A. JOHNERSON, Fargo, N. Dak. Filed Jan. 14, 1922. Serial No. 529,321. 5 Claims. (Cl. 55—91.)

5. A harrow of the character described comprising a frame, the end portions of said frame being extended downwardly, a ground engaging wheel carried by one end of the frame, a runner carried by the opposite end of the frame, harrow elements connected to said elements, adjusting means connected to said elements and movably supported upon the frame, a shaft extending transversely of the upper portion of the frame, an actuating member mounted on said shaft and adapted to receive the end portions of the adjusting means, means carried by said



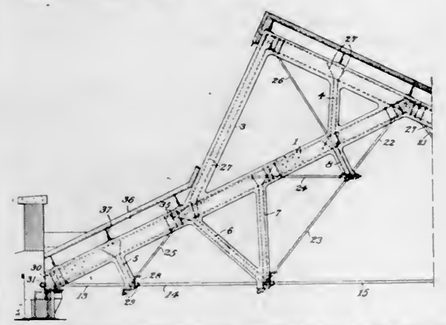
actuating member for normally urging said member upwardly to raise the harrow elements substantially beneath the frame.

1,466,173. SHIPPING TAG. WILLIAM G. JOPSON, Keene, N. H., assignor to Jopson Manufacturing Company, Boston, Mass., a Corporation of Massachusetts. Filed Jan. 15, 1920. Serial No. 351,528. 11 Claims. (Cl. 40—27.)



5. A perforated shipping tag having a pair of crossed reinforcing bars made fast thereto adjacent the perforated portion and about which a fastening string passed through the perforation may bear.

1,466,174. ROOF TRUSS. MAXIMILIAN KORN, Teaneck, N. J. Filed Mar. 16, 1920. Serial No. 366,218. 1 Claim. (Cl. 108—23.)

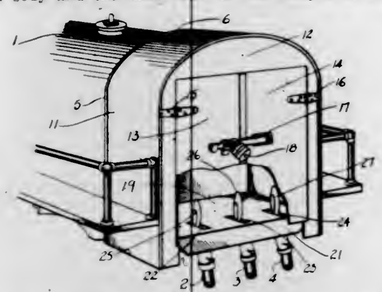


A roof truss comprising in combination, a plurality of compression members of concrete reinforced by longitudinally extending steel rods, and tension members consisting substantially entirely of steel rods, means comprising Z-shaped plates forming a seat for certain of said compression members and to which certain of said tension members are adjustably connected at one end, the opposite ends of the last named tension members being embedded in the concrete of certain others of said compression members, a plurality of steel hoops embedded in the concrete of certain of said compression members and surrounding the reinforcing rods of said compression members and the ends of certain of said tension members, L-shaped bearing plates connected to the opposite ends of said truss and through which horizontal tension members extend, and a plurality of roof-supporting purlins carried by said truss.

1,466,175. TANK CONSTRUCTION. ANDREW A. KRAMER, Kansas City, Mo. Filed Dec. 22, 1919. Serial No. 346,711. 5 Claims. (Cl. 220—20.)

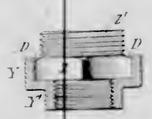
1. In combination with a tank wagon comprising a sheet metal body and an end sheet, a shell having one edge at-

tached to the end sheet and forming the top and sides of a receptacle, said end sheet forming the outer wall of the tank body and the inner wall of the receptacle, a floor



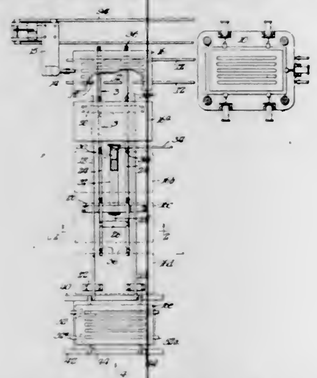
sheet for the receptacle attached to and carried by said end sheet, and a front wall sheet for the receptacle attached to the other edge of said shell.

1,466,176. SHEET-METAL NUT. HENRY P. KRAFT, Ridgewood, N. J. Original application filed Mar. 21, 1919, Serial No. 284,011. Divided and this application filed May 2, 1919. Serial No. 294,266. 6 Claims. (Cl. 85—32.)



1. A sheet metal nut comprising two parts, each having a body portion with an exterior flange and a tubular extension, the two body portions fitting the one within the other in non-rotative engagement, and the tubular extensions projecting in opposite directions.

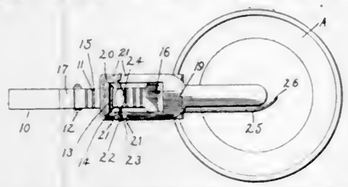
1,466,177. CONVEYER AND PILER FOR LARGE SHEETS. WILLIAM A. LACKE, Chicago, Ill. Filed June 3, 1921. Serial No. 474,795. 7 Claims. (Cl. 214—6.)



1. In mechanism of the class described, a pair of supporting members adapted to receive and support opposite ends of a plate and selectively controllable air cylinder mechanism for quickly separating said supporting members out from under said plate for the purposes set forth.

1,466,178. TRAP. SEVERIN LANGE, Bear Spring, Mont. Filed Aug. 14, 1922. Serial No. 581,734. 2 Claims. (Cl. 43—69.)

2. A device of the character described comprising an elongated support, an approach member mounted upon said support and formed with a plurality of transverse grooves, a yoke carried by the lower end of said approach member and embracing said support, and a spring yoke carried by the upper portion of the support and embracing the approach member and engageable within a selected one of said grooves, bait holding means carried by the upper end of the approach member, and a counter balanced platform hinged upon the upper end of the approach member.

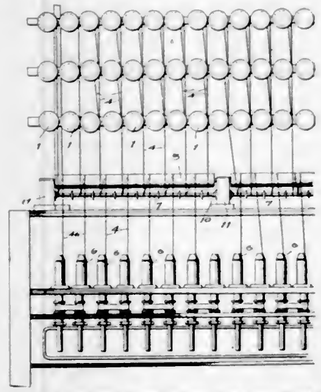


1,466,179. TIRE TOOL. WILLARD M. MCEWEN, Chicago, Ill. Filed Aug. 19, 1921. Serial No. 493,556. 3 Claims. (Cl. 157—1.)



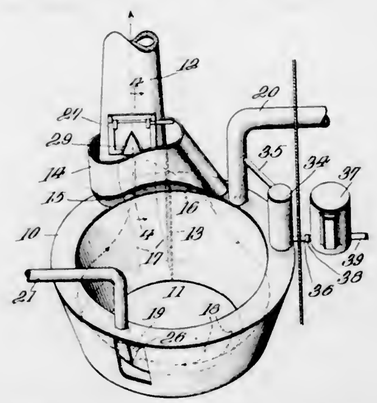
1. A tire tool, comprising a split annular band, two shoes inside of said band and slidably engaging the same on opposite sides of the split ends of said band and adjacent the same, and means inside of said band and engaged with said shoes and with said band at a point diametrically opposite the split ends thereof for expanding said band by applying an outward pressure against said shoes.

1,466,180. YARN-TWISTING DEVICE. CHARLES EDWARD MCLIN, Rome, Ga. Filed Sept. 1, 1922. Serial No. 585,734. 4 Claims. (Cl. 117—21.)



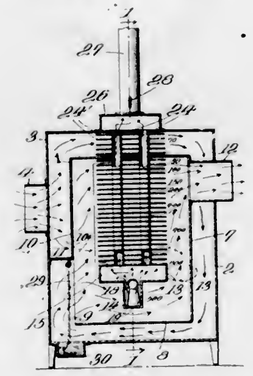
1. In a yarn twisting machine, the combination of a positively driven roller, a spindle spaced from the roller for twisting a plurality of threads, and means for supplying a plurality of threads to be twisted by the spindle, a tensioning rod mounted against rotation between the roller and the spindle and provided with spaced means for holding the threads in a predetermined position with the threads adapted to be looped around the rod and the roller.

1,466,181. SMOKE-CONSUMING DEVICE. ROY G. MAKINSON, Butte, Mont. Filed July 29, 1922. Serial No. 578,375. 9 Claims. (Cl. 126—144.)



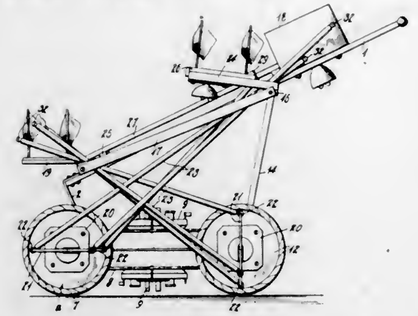
1. In a smoke consuming device, in combination, an annular flue comprising a closed space having inner and outer walls, said flue adapted to have its inner walls in contact with the fire, a smoke pipe in direct communication with said flue, said flue having an opening adjacent the smoke pipe for admission of products of combustion, and means within the flue to cause the products of combustion to encircle the flue to reach the smoke pipe.

1,466,182. AIR HEATER. RALPH L. MANIER, Syracuse, N. Y. Filed Oct. 24, 1922. Serial No. 596,544. 7 Claims. (Cl. 126—90.)



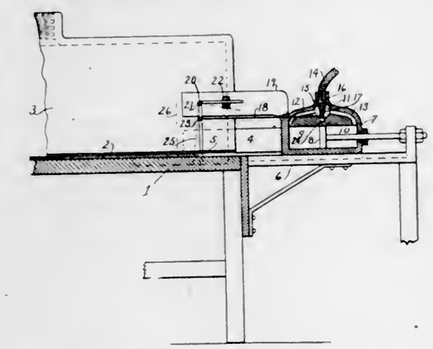
1. An air heater comprising an inner heating chamber, an enclosing heating chamber having its walls spaced therefrom and provided with an air inlet disposed substantially midway the base and top of one lateral wall, and communicating with said inner chamber at the base thereof contiguous to but partitioned from said air inlet so as to permit a flow of air substantially transversely about, over and beneath said inner chamber before entering the same, an air discharge disposed at the upper end of said chamber, and a heating flue arranged in said inner chamber in the path of said air passing therethrough.

1,466,183. WHEELED TOY. CHARLES C. MILLIKEN, Deer River, Minn. Filed July 28, 1921. Serial No. 488,065. 3 Claims. (Cl. 46—45.)



1. A toy comprising a wheeled frame formed with upwardly inclined, side-rails constituting handle bars for propelling the frame, cross-pieces arranged between the side rails, a plurality of S-shaped fittings connected each at one end with the wheels on the frame, a plurality of blocks movably mounted in the space between the side rails, a plurality of angularly disposed staffs connected each at one end with one of the bends in the S-shaped fittings for reciprocation thereby, and some of the staffs engaging the movable blocks for the purpose set forth.

1,466,184. COATING-MACHINE BLOCK ADJUSTER. ZENO OSTENBERG, San Jose, Calif., assignor to The Caltex Company, San Jose, Calif., a Corporation of California. Filed Aug. 31, 1921. Serial No. 497,309. 6 Claims. (Cl. 91—30.)



2. In combination, a coating knife adjusting block, a cylinder attached to said block to move therewith, a stationary piston arranged in said cylinder, a support therefor, means for actuating said cylinder, and arm carried by said cylinder in substantially parallel relation to said block, a follower element carried by said arm, and means operated by said follower element for rendering said actuating means operative.

4. In combination, a coating knife adjusting block, a follower element movable therewith and means rendered operative by the movement of said follower element for actuating said adjusting block.

1,466,185. DRINKING STRAW. HUGO PICK, Chicago, Ill., assignor to Albert Pick & Company, Chicago, Ill., a Corporation of Illinois. Filed July 26, 1920. Serial No. 399,216. 1 Claim. (Cl. 299—17.)

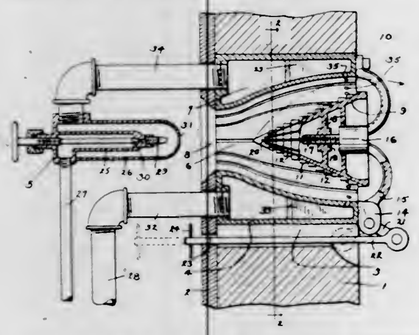
A drinking straw formed of suitably coated paper, having one end portion thereof distinctively marked to differ-

entiate it from the remainder of the straw so that persons handling it will be warned from touching the mouth-por-



tion thereof, said straw being of substantially uniform contour throughout its length.

1,466,186. HYDROCARBON BURNER. CLIFFORD HARRY PIDGEON, Columbus, Ohio. Filed Aug. 3, 1920. Serial No. 400,920. 9 Claims. (Cl. 158—4.)



1. In mechanism of the class described, the combination with a fuel and air injector, of a combustion supporting apparatus comprising a casing arranged to be positioned within an opening provided in the wall of a furnace setting, said casing being provided with a vaporizing chamber situated to receive the fuel stream discharged from said mixer, a vaporizing element positioned within said chamber and subject to the internal heat of the furnace, said element being positioned so as to intercept the fuel stream passing into the chamber from said mixer, and a handle located outside the furnace and connected to the vaporizing element for moving it.

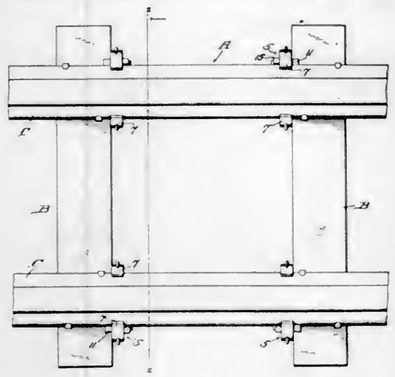
1,466,187. SNOWPLOW. GEORGE J. PUTH, Appleton, Wis. Filed Apr. 22, 1921. Serial No. 463,487. 1 Claim. (Cl. 37—43.)



In combination, a vehicle, a plow, means for pivotally attaching the plow to the vehicle, a bar attached at one end to the plow and fulcrumed intermediate its ends to the vehicle, a worm mounted on the vehicle so as to be engaged by the other end of said bar, means for turning the worm so as to raise and lower the plow, and an extension formed on the bar for engagement with the vehicle so as to limit the upward movement of the plow.

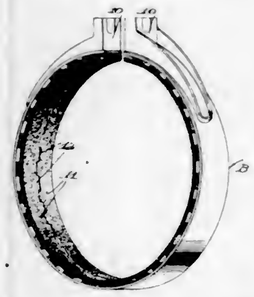
1,466,188. ANTICREEPER FOR RAILS. FRED QUIST, Seattle, Wash. Filed Feb. 17, 1923. Serial No. 619,659. 1 Claim. (Cl. 238—324.)

In an anti-creeper of the character set forth comprising a yoke member, having a straight walled pocket and a beveled walled pocket in its upper surface, a wedge having apertures therein for coacting with the beveled



walled pocket, a locking pin for the wedge, and a head on the pin with its sides at different distances from the centre of the locking pin.

1,466,189. BRAKE-BAND LINING. ROY REYNOLDS, Cincinnati, Ohio. Filed Oct. 7, 1922. Serial No. 592,997. 12 Claims. (Cl. 188—259.)



5. A brake band lining, comprising a pair of strips, projections formed upon a longitudinal edge of each strip, and each pair of adjacent projections of one strip being adapted to receive therebetween a projection of the other strip whereby to interlock the strips together.

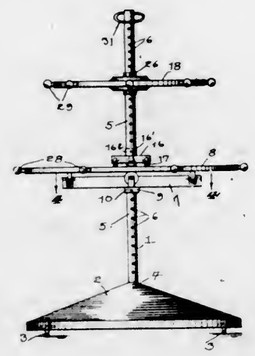
1,466,190. SANITARY NURSING BOTTLE. WALTER RICHMOND, Glen Ellyn, Ill. Filed July 6, 1922. Serial No. 573,139. 3 Claims. (Cl. 215—11.)



1. A sanitary nursing bottle comprising a receptacle and being provided with nipple retaining means adjacent the mouth thereof, that portion of the bottle beyond the said means being extended a substantial distance where-

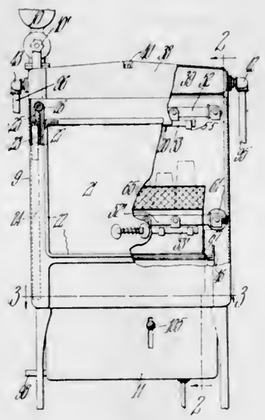
by when the nipple is in position on the bottle the said extended portion engages and braces the walls thereof against collapsing.

1,466,191. ADJUSTABLE SERVING STAND. ALPHONSE ROOS, Chicago, Ill. Filed Apr. 20, 1922. Serial No. 555,672. 5 Claims. (Cl. 211—20.)



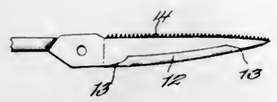
1. A device of the character described consisting of a carriage having an upright and adjustable trays on said upright, roller bearing supports for said trays, a steadying member for one of said trays, roller connections between said member and said last tray.

1,466,192. WASHING MACHINE. ANTON C. SCHMELZER, Springfield, Mass., assignor, by mesne assignments, to Century Machinery Corporation, Holyoke, Mass., a Corporation of Delaware. Filed Jan. 20, 1919. Serial No. 272,156. 11 Claims. (Cl. 141—9.)



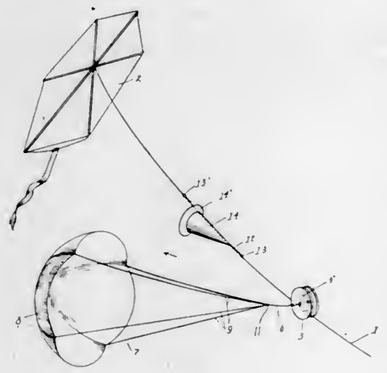
1. A washing machine, comprising in combination, a washing compartment having spray pipes located therein, means to deliver fluids to the spray pipes, valves to control the delivering means, means manually operable to open said valves and automatic means to successively close said valves when predetermined intervals have elapsed.

1,466,193. ATTACHMENT FOR BARBER SHEARS. ANTON SCHUSTER, St. Louis, Mo. Filed May 7, 1921. Serial No. 467,715. 1 Claim. (Cl. 30—13.)



As an article of manufacture, an attachment adapted to be used in connection with shear blades, comprising a sheet metal body adapted to lie against the outer inclined face of a shear blade, one edge of the body having relatively long sharp teeth overlying and extending in advance of the cutting edge of the shear blade and aligned with said sheet metal body, the other edge of the body terminating in a flange rectangular in cross section having all of its sides engaging flatly against the three faces of the back edge of the shear blade which is rectangular in cross section, a portion of said flange disposed against the inner face of the shear blade, and extending at an acute angle to the body of the plate, thereby acting to retain the sheet metal body on the plate.

1,466,194. TOY. ADOLPH W. SCHWARZ, St. Paul, Minn. Filed Aug. 10, 1922. Serial No. 580,875. 2 Claims. (Cl. 244—23.)

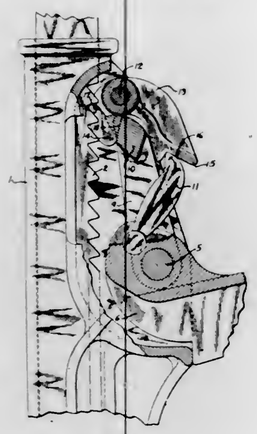


1. In a device of the class described, the combination with the line of a flying kite, of a wind propelled device, a hook formed with an elongated shank attached to said device and adapted to hook over said line so that the shank will depend therefrom and travel thereon toward the kite when propelled by said wind propelled device, a hollow cone carried by the line in the path of travel of said hook, the apex thereof directed toward the latter and being of a size to enter the jaw of the hook, but the base of the cone being larger than said jaw, said cone being constructed to enable the line to be extended loosely through the hollow thereof and to engage with said shank to be swung laterally thereby during travel thereof.

1,466,195. TRIP JACK. FRANK H. SCHWERIN, West View, Pa., assignor to The Duff Manufacturing Company, Pittsburgh, Pa., a Corporation of Pennsylvania Filed May 12, 1922. Serial No. 560,351. 13 Claims (Cl. 254—108.)

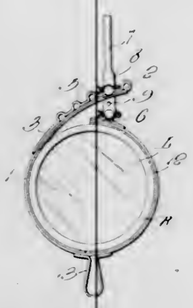
1. In a trip jack, a frame, a rack, an operating lever, a lifting pawl operated by the lever, and a holding pawl,

in combination with a trip pivoted on the frame above the pawls having a downturned nose adapted to act upon



the front of the upper portion of the holding pawl and a depending tail to be engaged by the lifting pawl when the latter is tilted back away from the rack.

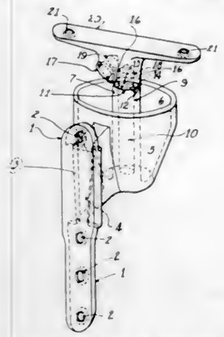
1,466,196. TOOL. WILLIAM GEORGE SEIDERS, Butler, Pa. Filed Oct. 9, 1922. Serial No. 593,347. 1 Claim. (Cl. 81—64.)



A tool for removing and applying headlight lens-clamping rims comprising a resilient band to surround the rim, one end of said band being bent upon itself and back against the body portion, said portion and bent end being formed with a slot and the bent end being formed with transverse corrugations providing bearings on opposite sides of the slot, additional bearings on the opposite end of the band, a lining on the inner face of the band to engage the aforesaid rim, a hand-operated lever for contracting the band having journals received in said bearings, and a hand-grip secured to the band at a point substantially diametrically opposite the lever.

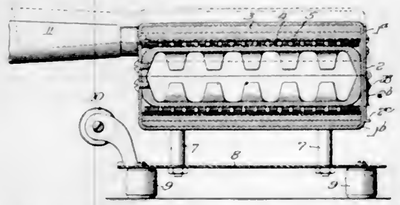
1,466,197. SANITARY CHICKEN ROOST. ABE SIEGELTS, St. Louis, Mo. Filed June 24, 1921. Serial No. 480,029. 1 Claim. (Cl. 119—25.)

In a device of the character described, the combination of a fixed member and detachable members supported thereby, one of the said detachable members containing an insecticide cup, and a stud projecting therefrom, and the other detachable member containing a plurality



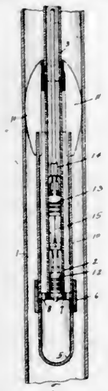
of sockets, the said sockets being adapted to seat on the said stud, and the said sockets being arranged at different angles.

1,466,198. ELECTRICALLY-HEATED WAFFLE IRON. WILLIAM SICKINGER, Chicago, Ill. Filed July 21, 1921. Serial No. 486,478. 6 Claims. (Cl. 219—19.)



1. An electrically heated cooking utensil comprising a box-like housing, an insulating lamina therein, a resistance lamina overlying said insulating lamina, and a cooking grid overlying and in close proximity to the resistance lamina; the grid fitting the housing snugly and holding in contact relation the laminæ located beneath it.

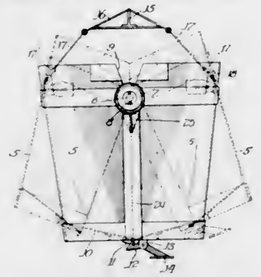
1,466,199. DEVICE FOR FORCING FLUID FROM WELLS. ABNER L. SMITH, Hull, Tex. Filed May 20, 1922. Serial No. 562,519. 2 Claims. (Cl. 103—10.)



1. A device of the character described including a tubing adapted to be let down into a well bore, a spider secured to the lower end of said tubing, a hood attached

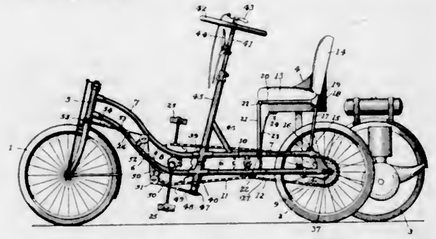
to said spider and located beneath it, a detachable sleeve attached to the spider above and surrounding the lower end of said tubing, a standing valve located in the lower end of said tubing and a traveling valve adapted to reciprocate in the tubing above said standing valve.

1,466,200. SPLIT BUCKET. DANIEL E. STAIR, Elkhart, Ind. Filed Aug. 17, 1922. Serial No. 582,481. 9 Claims. (Cl. 294—70.)



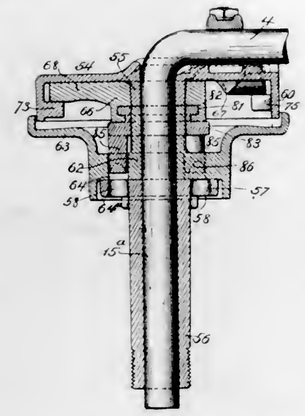
1. A conveyor bucket comprising two parts hinged together, supporting elements located adjacent the hinge and adapted to engage support members to carry the weight of the bucket, the supporting elements and hinge being so related to each other and to the two bucket parts that when the weight of the bucket is carried by the supporting elements, the two parts are closed together by gravity, and a bail for said bucket connected to each part at such point that when suspended from the bail the hinged parts tend to swing open.

1,466,201. CYCLE CAR. AUGUST STROTHOTTE, St. Louis, Mo. Filed Oct. 3, 1921. Serial No. 505,100. 2 Claims. (Cl. 208—114.)



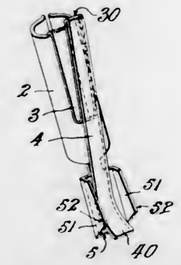
1. In a cycle, supporting wheels, a frame connecting said wheels, said frame comprising a steering head member operatively connected to the front wheel of said cycle, and parallel members rigidly secured to said steering head member, said parallel members being curved downwardly to the rear of said front wheel and thence extending in horizontal positions toward the rear wheel, and a rearwardly inclined frame member connecting the horizontal portions of said parallel members and constituting a steering post, a steering rod rotatively mounted within said steering post, a steering wheel secured to the top of said rod, a sprocket mounted on the lower end of said rod below said frame members, a steering rod rotatably mounted within the steering head member, a sprocket secured to the lower end of the last named steering rod, means connecting the sprockets including sprocket chains, turn-buckles and cords, a plurality of guiding means for said cords rigidly secured to said frame members so as to maintain portions of the cords and the sprocket chains in the planes of the respective sprockets, and a seat secured above the rear portion of the frame substantially forwardly of the rear wheel between its center and the steering wheel.

1,466,202. CLUTCH MECHANISM FOR POWER LIFTS. HERMAN E. ALTGELT, South Bend, Ind., assignor to Oliver Chilled Plow Works, South Bend, Ind. Filed June 6, 1921. Serial No. 475,294. 3 Claims. (Cl. 192—62.)



1. In mechanism of the character described, the combination with a driving member and a driven member, of coupling mechanism comprising a support provided with a central fixed hub, a ring revoluble on said hub and provided with radial arms, cams rigid with said support and with which the free end portions of said arms cooperate to cause movement of said ring in a direction parallel with its axis, said cams being also concentric to the axis of said ring, and engaging means connected with said ring to cooperate with the driving member, and control means for said coupling devices.

1,466,203. PENCIL CLIP DEVICE. WILLIAM H. BURNETT, Mound City, Mo. Filed Feb. 28, 1923. Serial No. 621,955. 3 Claims. (Cl. 24—11.)

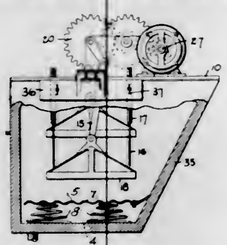


1. A spring metal clip comprising a split sleeve, a spring member extended down over the front of the split sleeve and then back up and again down to extend below the split sleeve and provide a clamping element, and a combined clamp and keeper element projected from and extended below the split sleeve and cooperative with the spring member for engaging the edge of a pocket.

1,466,204. WASHING MACHINE. SAMUEL B. CALDWELL, Oakland, Calif. Filed Apr. 7, 1921. Serial No. 459,320. 2 Claims. (Cl. 68—19.)

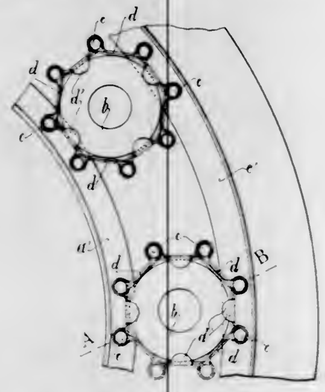
1. A washing machine including a tub having a cover, a crank shaft mounted on the cover, fixed guides extending

down from the cover of the tub, plungers arranged below the cover and connected to said shaft for intermittently



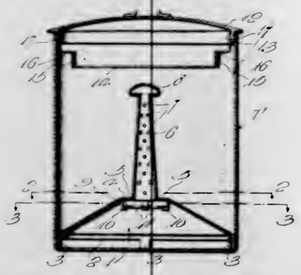
subjecting material on said bottom to compression, and guides connected to the plungers and operating in the fixed guides.

1,466,205. ELASTIC RIM. LEO CARLBERGER, Modling, Austria. Filed Sept. 5, 1922. Serial No. 586,251. 7 Claims. (Cl. 152—32.)



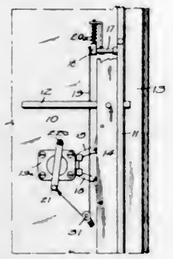
5. A wheel of the character described, comprising an inner rim having outwardly extending lateral flanges, an outer rim having inwardly extending lateral flanges, spacing devices interposed between the rims and flanges, each device comprising an endless series of pivotally connected plates pivotally connected to the side flanges, a yielding cylindrical buffer mounted within each series of plates, and laterally arranged lugs on the plates to prevent axial movement of the buffers.

1,466,206. WASHBOILER. ARTHUR B. CROSIER and FRANK B. CROSIER, Beloit, Wis. Filed Sept. 18, 1922. Serial No. 588,958. 5 Claims. (Cl. 68—30.)



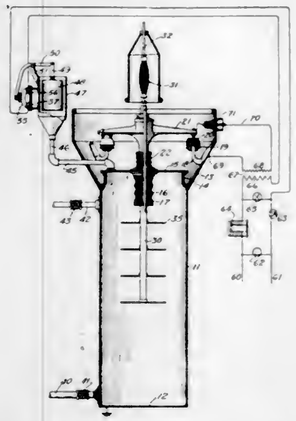
1. A device of the class described comprising a false bottom having a conduit rising from the center of its top, said bottom having a circumferential row of apertures surrounding the conduit at points adjacent thereto, and a single valve normally supported in spaced relation below said apertures, said valve being adapted to be lifted by the steam to simultaneously close all of the apertures, and being provided with a central opening to permit passage of steam through it and into the conduit when said apertures are closed.

1,466,207. SHEARING DEVICE FOR AUXILIARY LOCKS. WILLIAM C. DILLON, Fort Dodge, Iowa, assignor to Le Roy Dillon, Fort Dodge, Iowa. Filed Apr. 17, 1922. Serial No. 553,592. 6 Claims. (Cl. 109—3.)



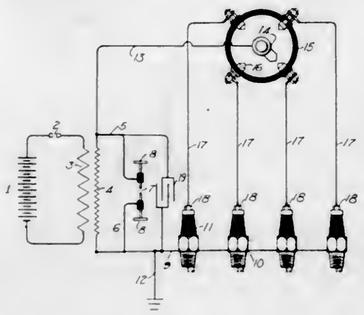
1. In combination with an auxiliary lock for a vault door having a combination lock thereon, said auxiliary lock including a flexible element for holding said lock in inoperative position, a shearing device for releasing said flexible element, said shearing device including a post below the combination lock, a stud bolt above the combination lock, a bar having an opening therein adapted to receive the post, said bar being extended across the face of the combination lock and mounted on the stud bolt at its other end, and said post having a slot flush with the outer face of the bar, the flexible element being attached to the post by means of a loop resting in said slot.

1,466,208. ROTATING ELECTRODE CLOSED TREATER FOR PETROLEUM EMULSIONS. HAROLD C. EDDY, Los Angeles, Calif., assignor to Petroleum Rectifying Company of California, San Francisco, Calif., a Corporation of California. Filed Feb. 28, 1921. Serial No. 448,550. 5 Claims. (Cl. 204—24.)



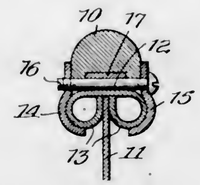
1. A treater for petroleum emulsions comprising a tank; a cover closing the top of said tank; means for maintaining a fluid pressure on said tank; a vent pipe through which gases are permitted to escape from said tank; means for producing an electric field in said tank; and means for interrupting said field whenever the fluid pressure is reduced in said tank.

1,466,209. IGNITION SYSTEM. HERMAN W. EICHBAUM, Venice, Calif. Continuation of application Serial No. 323,979, filed Sept. 15, 1919. This application filed Sept. 18, 1920. Serial No. 411,237. 4 Claims. (Cl. 123—148.)



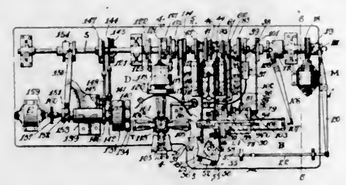
1. An ignition system for internal combustion engines comprising an induction coil; means for inducing a high potential in the secondary of said coil; a series of points each point connected to one of the spark plugs of the engine; a rotating shaft insulated from the frame of the engine having projections so placed as to come successively within sparking distance of said points; means for driving said rotating shaft in synchronism with the engine; a fixed gap having its terminals connected to the said shaft and the frame of the engine, said fixed gap being so set that an oscillating discharge takes place across said fixed gap in the normal operation of the engine, during the entire time the engine is running except for very short intervals during which said projections are within sparking distance of said points; and means for connecting one side of said secondary to the frame of the engine and the other side to said shaft.

1,466,210. RUBBER-TIRED WHEEL. HOWARD J. FERRIS, Harvard, Ill., assignor to Hunt, Helm, Ferris & Company, Harvard, Ill., a Corporation of Illinois. Filed Mar. 6, 1922. Serial No. 541,344. 3 Claims. (Cl. 152—6.)



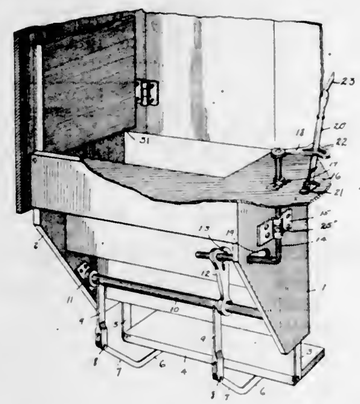
1. In combination, a vehicle wheel rim having a substantially cylindrical bearing surface, a rubber tire adapted to fit thereon, means for stiffening said tire laterally, cleats at each side of the rim and tire and a screw connecting each pair of said cleats to retain the tire on the rim, the outer ends of the cleats overhanging the rim and each screw being screwed into an overhanging end of one cleat of each pair of cleats so that as the screws are tightened, each cleat acts as a lock to retain the screw therein.

1,466,211. APPARATUS FOR MAKING RECEPTACLES OR CONTAINERS. IRVING STANLEY, New York, N. Y., assignor to Angel International Corporation, New York, N. Y., a Corporation of Maine. Filed Apr. 25, 1921. Serial No. 464,347. 34 Claims. (Cl. 93—39.)



1. In apparatus of the class specified, a mandrel; means to wrap a sheet of material around the mandrel with the longitudinal edges in overlapped relation; and means to moisten and apply a gummed strip to the overlapped edges of the sheet on the mandrel for the purpose specified.

1,466,212. AUXILIARY CAR STEP. PETER SWANSON and AXEL W. CARLSON, Ely, Minn. Filed Apr. 23, 1923. Serial No. 634,113. 4 Claims. (Cl. 105—430.)



3. A locking device for levers consisting of a pivotally mounted member, a clover-shaped opening in the free end of the member through which the lever to be locked passes whereby either corner of the opening will prevent the lever from operating when pivotal movement is imparted to the member.

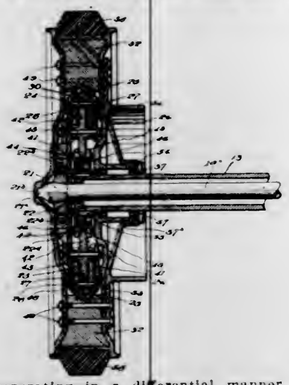
1,466,213. SURFACING MATERIAL FOR REFRACTORY WARE. PAUL TEETOR, Lawrence, Kans., assignor to The Jeffery-Dewitt Company, Detroit, Mich., a Corporation of Maine. Filed Apr. 8, 1921. Serial No. 459,775. 17 Claims. (Cl. 25—153.)

7. A refractory body having a glazed coating for preventing the escape of materials of which the refractory ware is comprised.

1,466,214. POWER-TRANSMISSION MECHANISM. EMORY A. THOMPSON, Hope, Ark. Filed Sept. 19, 1919. Serial No. 324,964. 8 Claims. (Cl. 192—50.)

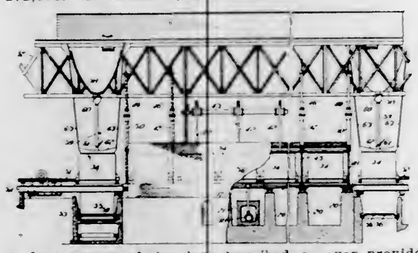
7. In a power transmission for vehicles, the combination with an axle structure and a wheel, of a casing disposed within said wheel, flexible means connecting said axle and said casing, pawls carried by said casing for engaging said wheel, means disposed within said wheel

for actuating said pawls to permit driving of the wheel in either forward or reverse directions, said pawls and



means cooperating in a differential manner to permit faster rotation of the wheel than of the axle or the casing.

1,466,215. SYSTEM OF COKING. GLENN W. TRAER and CLAUDE M. GARLAND, Chicago, Ill., assignors to Universal Coal Products Company, Chicago, Ill., a Corporation of Maine. Filed Jan. 20, 1919. Serial No. 272,028. 4 Claims. (Cl. 202—4.)



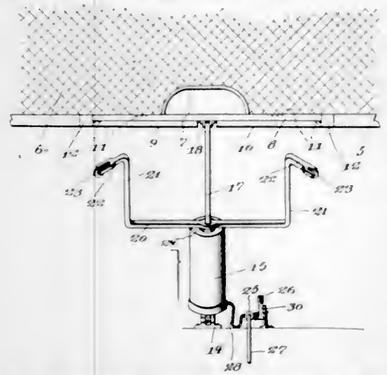
1. In a system of the class described, an oven provided with a plurality of longitudinally disposed retorts composed of metallic sections secured together, the side members of said metallic sections being provided with vertically disposed ribs, heating flues arranged on both sides of the retorts and composed of refractory material, the heating flues being divided into independent sections with the refractory material of the heating flues arranged in interlocking relation with the vertically disposed ribs of the metallic sections so as to confine expansion and contraction to the respective flue sections, and a sub-structure for said oven provided with means whereby the retorts and heating flues are supported and expansion and contraction, independent of said sub-structure, permitted.

1,466,216. GRINDER. STANLEY VENGRIN and JOHN M. JOHNSON, Duluth, Minn. Filed Apr. 7, 1922. Serial No. 550,263. 1 Claim. (Cl. 51—206.)



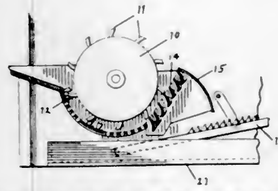
A grinding tool comprising a hollow conical holder, a metal mass within the holder, a grinding element having a frusto-conical base extending within the smaller end of the holder and embedded in the metal mass, said metal mass having a screw-threaded bore to receive an actuating shaft or spindle.

1,466,217. COUNTER GUARD FOR BANKS. FRANK WATTELLS, Chicago, Ill. Filed May 15, 1922. Serial No. 561,229. 6 Claims. (Cl. 268—2.)



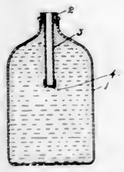
1. A counter-guard comprising a hinged guard plate normally positioned horizontal with the counter, a pair of hinged guard plates normally positioned horizontally beneath the first-mentioned plate, said plates being movable to upright position, and their relative positions being such that when in upright position the second-mentioned plates extend laterally from the ends of the first-mentioned plate to form an enclosure having a front and side walls, and operating means for the plates.

1,466,218. EXTENSION GRATE FOR THRASHING MACHINES. DE VAN WHEELER, Roca, Nebr. Filed Apr. 3, 1922. Serial No. 549,099. 2 Claims. (Cl. 130—27.)



1. An extension grate having a series of grate bars, side walls rigidly secured to said bars and provided with outwardly projecting flanges facing forward adapted for attachment to the interior frame work of a thrashing machine, and an arc-shaped shield positioned rearwardly of said bars and adapted to clamp the rear portion of said side walls.

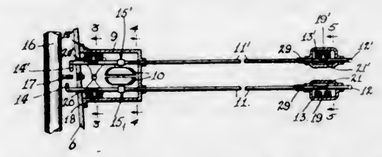
1,466,219. ANTIFREEZING PLUG. EARL W. WINANS, Detroit, Mich. Filed Oct. 3, 1919. Serial No. 328,324. 1 Claim. (Cl. 137—71.)



In a device of the class described, the combination with a liquid container having an opening therein, of a hollow plug engaging the opening in said container, a tube projecting inwardly from said plug and terminating about the center of said container, a disk-shaped closure engaging the inner end of said tube and having a predetermined strength less than that of said tube and the wall of said

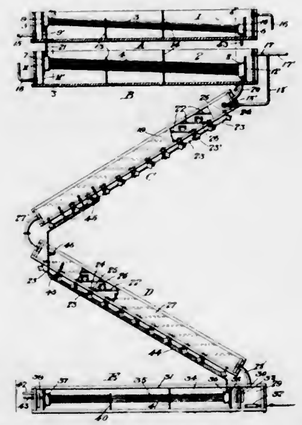
container, and a clamping ring engaging the edges of said closure and holding the latter in place, said closure being weakened adjacent to the edges thereof.

1,466,220. AUTOMOBILE SIGNAL DEVICE. JACKSON B. YOUNG, Oakland, Calif. Filed Oct. 1, 1920. Serial No. 414,041. 1 Claim. (Cl. 177—337.)



An automobile signal device comprising a front lamp; a rear lamp; electric circuits to operate said lamps; a rod mounted for oscillation on its axis with its forward end under the control of the driver and its rear end provided with an arm; a stud on the rear axle of the machine into the rotary path of which the arm is moved by the turning of the rod on its axis whereby the rear portion of said rod is axially jarred; a gong; a striker carried by the rear portion of the rod, adapted, under the jarring of the rod to hit the gong; a front switch operated by the actuation of the rod to control the electric circuit to the front lamp; and a second switch at the rear, operated by the actuation of said rod, to close the electric circuit to the rear lamp, said last named switch being intermittently opened by the jarring of the rod.

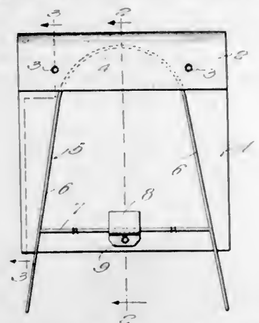
1,466,221. CONTINUOUS DISTILLING APPARATUS. JOHN PRESTON FOSTER and ALBERT F. MISENER, Paia, Territory of Hawaii. Filed Aug. 1, 1921. Serial No. 489,142. 18 Claims. (Cl. 195—13.)



1. In a continuously operating still, a distilling column inclined at an angle between the perpendicular and horizontal and comprising a series of successively communicating chambers for the downward flow of liquid therethrough, each of said chambers having a horizontally disposed floor to provide an extensive bubbling surface, each floor having a capped opening for the upward flow of vapor through the successive chambers, and means for maintaining liquid at a level in each chamber to effect normally a seal for the capped floor-opening.

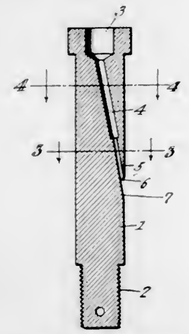
1,466,222. ADVERTISING DEVICE. OLNEY R. GILLOGLY, Zanesville, Ohio. Filed Nov. 6, 1922. Serial No. 599,339. 5 Claims. (Cl. 40—148.)

1. An advertising device comprising a card having a downwardly opening pocket at its upper end, a card support received at its upper end in said pocket, and means for connecting the lower end of the card with said support



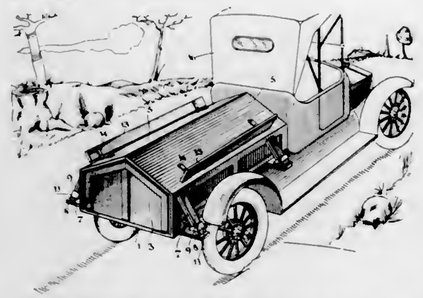
adjustably connected with the card and movable into and out of position for engagement with the support.

1,466,223. BOLT. EDMOND C. GLOVER, Rison, Ark. Filed Sept. 15, 1922. Serial No. 588,383. 4 Claims. (Cl. 64—27.)



3. A bolt of the class described having an oil conduit extending obliquely from one end through the side wall thereof with a longitudinally extending tongue overlying the discharge end of the conduit, the free end of said tongue being thinned to render it flexible, said tongue tapering in width and thickness from its base to its free end, said end being truncated.

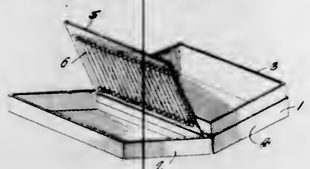
1,466,224. CAMPING OUTFIT. OSCAR ERNEST HANS, Tulsa, Okla. Filed Feb. 21, 1922. Serial No. 538,379. 3 Claims. (Cl. 296—23.)



1. In a camping outfit, a body having spaced vertical sides, sections hingedly attached to said sides, said sections being swingable toward each other to provide a top for the

body and away from each other substantially into horizontal positions, and longitudinal stop members secured upon the normally upper sides of the said sections to extend longitudinally of the sections, said stop members being adapted to engage with the sides to brace the sections when the latter are in outwardly swung position and to cooperate with the sections to support luggage when the sections are in an inwardly swung or closed position.

1,466,225. CIGARETTE CARTON. CHARLES S. HEFFNER, Pittsburgh, Pa. Filed June 30, 1922. Serial No. 571,875. 1 Claim. (Cl. 206—48.)



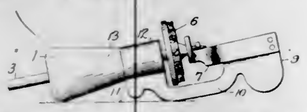
In combination, a carton including a box and a cover therefor, said box including a box-like structure and a strip arranged thereabout on its interior adjacent its bottom end, said cover being of a box-like structure and adapted to rest on said strip when in closed position, a leaf hingedly mounted in the cover forming a closure therefor and positioned so as to rest on the edge of the box when the cover is in a closed position, and matches detachably secured to the leaf so as to be entirely encased within the box-like structure of the cover and the leaf when said leaf is closed in relation to the cover.

1,466,226. SAFETY PIN. WARREN C. HOFFMASTER, Akron, Ohio. Filed Sept. 30, 1922. Serial No. 591,609. 1 Claim. (Cl. 24—159.)



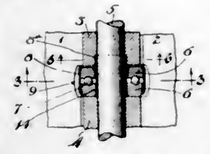
A safety pin formed from a single length of wire having an intermediate spring coil, a body portion, a movable pin having a pointed end, and a head formed with substantially parallel loops forming a guard connected by transverse loops constituting a keeper, the free end of the wire being coiled about the body portion, then flattened and extended diagonally across the head beyond the keeper, with the extremity fitted between said parallel loops, said flattened diagonal portion constituting a guide engageable by the point of the pin to direct the latter into said keeper.

1,466,227. WATCHMAKER'S TOOL. JOSHUA D. HOWELL, Porterville, Calif. Filed Mar. 29, 1922. Serial No. 547,719. 2 Claims. (Cl. 81—7.)



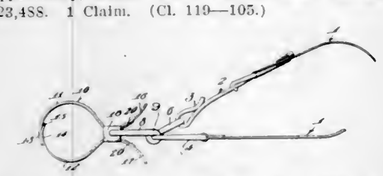
1. A watchmaker's tool of the character and for the purpose described, consisting of a handle or grasping portion adapted to have its outer end rest on the bench to support the tool in an inclined position, a heat-receiving and supporting portion connected to the handle and consisting of a band engaging the handle and an integral depending vertically disposed arm, an adjustable holding means mounted on the handle for securing the work between said handle and supporting portion, said heat-receiving and supporting portion consisting of an arm adapted to have its inner portion rest on the bench, a head formed on the outer end of said arm to receive the heat and arranged above the bench, and a member connected at its outer end to said head projecting inward and having a transversely arranged loop at its inner end disposed near the jewel receiving portion of the part operated upon, said loop having its closed portion arranged to support the jewel receiving portion.

1,466,228. BALL-BEARING HINGE. NORMAN B. HURD, New Britain, Conn., assignor to American Hardware Corporation, New Britain, Conn., a Corporation of Connecticut. Filed May 15, 1923. Serial No. 639,142. 3 Claims. (Cl. 16—136.)



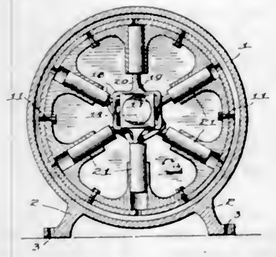
1. A hinge comprising a pair of leaves with inter-engaging knuckles, a pintle, a ball bearing comprising two washer-like plates having ball races therein with balls in said races, a sheet-metal housing surrounding said bearing washers to loosely hold the same in operative relation, and an outwardly extending integral sleeve-like extension on the outer side of said housing, said extension entering one of said knuckles to hold said bearing in proper alignment with the bore thereof.

1,466,229. COW-TAIL HOLDER. ABRAHAM JOHNSON, Opportunity, Wash. Filed Mar. 7, 1923. Serial No. 623,488. 1 Claim. (Cl. 119—105.)



In a cow tail holder a leg encircling strap, a tail clamp, a connector between said clamp and strap comprising a single piece of wire bent to form two loops arranged in longitudinal alinement and one loop having a cross bar equipped with a laterally deflected loop, the tail clamp being pivotally mounted on the cross bar of the other loop, and a hook carried by said strap for detachable engagement with said deflected loop.

1,466,230. RADIATING PISTON PUMP. BENJAMIN F. JOHNSON, Baltimore, Md. Filed Apr. 13, 1921, Serial No. 460,913. Renewed June 1, 1923. 2 Claims. (Cl. 103—174.)



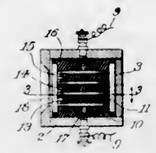
2. A radiating piston pump comprising a casing, said casing being provided with peripheral parallel intake and discharge passages, a plurality of yokes having oppositely extending piston rods, integrally formed pistons carried by said rods, offset oppositely disposed cylinders for said pistons, and a single eccentric for operating said yokes and pistons.

1,466,231. ARTIFICIAL FISH LURE. LOUIS JOHNSON, Chicago, Ill. Filed May 5, 1922. Serial No. 558,567. 3 Claims. (Cl. 43—45.)



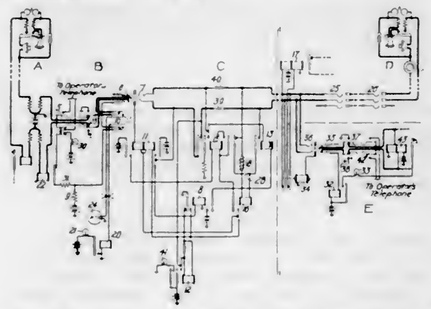
2. A device of the class described comprising a concavo-convex plate having a relatively broad rounded end and the other end being narrow and tapering to a point, a fish hook secured upon the concave surface of said plate longitudinally thereof with its barbed end terminating short of the broadened end of said plate, said barbed end being bent laterally toward one side of said plate, a resilient member fastened to the pointed end of said plate upon the concave side thereof and extending above the shank of said hook above the plane of the barb, and an eyelet at the pointed end of said plate for the reception of a line.

1,466,232. SPARK INDICATOR AND AMPLIFIER. BASSETT JONES, Mahwah, and JAMES T. HOLMES, Bogota, N. J. Filed Mar. 12, 1920. Serial No. 365,267. 2 Claims. (Cl. 175—183.)



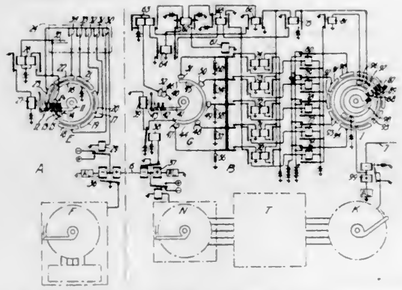
1. A combined spark intensifier and indicator comprising in combination a condenser having plates and a solid dielectric between adjacent plates thereof, and visible spark points fixed to said adjacent plates and lying in the space defined by extensions of the surfaces of said dielectric in contact with said adjacent plates.

1,466,233. TELEPHONE SYSTEM. CHARLES W. KECKLER, Newark, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y., a Corporation of New York. Filed Oct. 21, 1919. Serial No. 332,265. 10 Claims. (Cl. 179—27.)



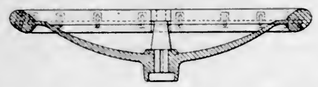
1. In a telephone exchange system, in combination, a trunk circuit comprising a pair of talking conductors, inductive means electrically dividing the talking conductors into inner and outer sections, a bridge for the outer section, an impulse sending device, an impulse response relay, a link circuit, a primary relay energized over one of the talking conductors of the inner section upon the connection of the link circuit with the trunk circuit, a secondary relay for intermittently opening the bridge to control the impulse response relay, and an energizing circuit for the secondary relay controlled by the impulse sending device and the primary relay.

1,466,234. TELEGRAPH SYSTEM. MARK B. KERR, Rosebank, N. Y., assignor to Western Electric Company, Incorporated, New York, N. Y., a Corporation of New York. Filed Feb. 1, 1922. Serial No. 533,179. 5 Claims. (Cl. 178—71.)



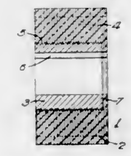
1. In a signaling system, receiving and transmitting distributor mechanisms, signal storing means intermediate said mechanisms for providing a complete overlap between the selection received by the receiving distributor mechanism and those transmitted by the transmitting distributor mechanism comprising electrostatic means and a plurality of sets of storing relays, and means controlled by the receiving distributor mechanism for transferring the effects of said electrostatic means to said relays.

1,466,235. COMPOSITE STEERING WHEEL. J STANLEY KINNEY, Wilkinsburg, Pa., assignor to Westinghouse Electric & Manufacturing Company, a Corporation of Pennsylvania. Filed Dec. 14, 1918. Serial No. 266,735. 6 Claims. (Cl. 74—33.)



1. A steering wheel comprising a metallic frame and gripping members adapted to be secured thereto, each of which consists of a plurality of molded compositions.

1,466,236. GEAR. J. STANLEY KINNEY, Wilkinsburg, Pa., assignor to Westinghouse Electric & Manufacturing Company, a Corporation of Pennsylvania. Filed Aug. 8, 1919. Serial No. 316,103. 3 Claims. (Cl. 74—28.)



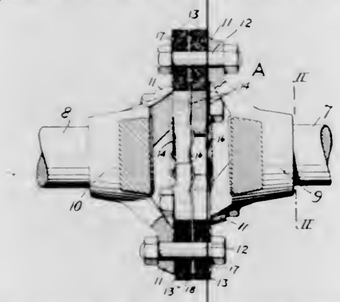
1. A gear wheel comprising a metallic hub and a non-metallic working body portion fixed thereto, the working body portion having an integral annular shoulder at one end engaging against the corresponding end face of the hub.

1,466,237. MACHINING SAW TEETH AND THE LIKE. HANS K. LORENTZEN, New York, N. Y. Filed Aug. 1, 1918, Serial No. 247,723. Renewed Jan. 17, 1923. 7 Claims. (Cl. 29—103.)



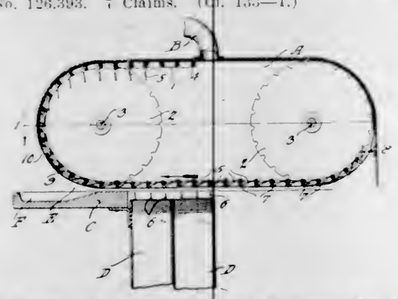
1. In a device of the character described, a pair of cutters disposed side by side and arranged to operate successively on the same piece of work, said cutters having helically arranged cutting teeth formed as successive sections of the same helix and one of said cutters being set so as to break the continuity of the composite helix of the two cutters, whereby to cause the second cutter to trim the cuts made by the first.

1,466,238. FLEXIBLE JOINT. ANGUS S. MACDONALD, Great Neck Station, N. Y., assignor to Snead & Co. Iron Works, a Corporation of New Jersey. Filed Apr. 22, 1920. Serial No. 375,671. 3 Claims. (Cl. 64—96.)



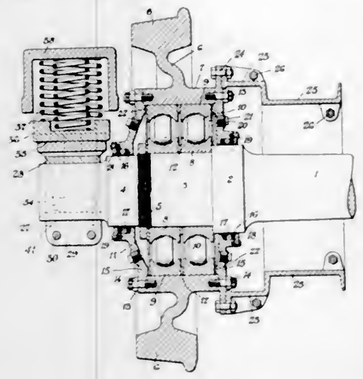
1. A joint of the character described comprising in combination a pair of shafts, a joint member on each shaft, each of which is provided with a plurality of posts, the posts of one member being offset with respect to the posts of the other member, a plurality of circumferentially disposed links each of which connect a post of one member with the post of another member, and a plurality of diametrically disposed centering strips connecting the posts of one member with the posts of the other member.

1,466,239. MONEY-PAYING MACHINE. MILES H. MANN, Terre Haute, Ind., assignor, by mesne assignments, to Remington Arms Company, Inc., New York, N. Y., a Corporation of Delaware. Filed Oct. 18, 1916. Serial No. 126,393. 7 Claims. (Cl. 133—1.)



7. In combination, a bill holder and a carrier associated therewith, means whereby to cause the carrier to remove a bill from the holder and carry the same to a point of delivery, and means on the carrier for deflecting the bill at the point of delivery in such a manner as to positively separate the bill from the carrier.

1,466,240. CAR MOUNTING AND CAR-WHEEL ASSEMBLY. ELOV FJETTERSTRÖM MAAS, Long Branch, N. J. Filed Mar. 24, 1921. Serial No. 455,264. 23 Claims. (Cl. 295—44.)



1. A car wheel assembly, comprising an axle, antifriction bearing means secured to said axle against lengthwise movement, and a car wheel surrounding said axle and mounted upon said means to have limited movement relatively thereto lengthwise of said axle.

1,466,241. FLOOR-COVER COMPOSITION. TOKUJI NAEMURA, Sanchome, Kobe, Japan. Filed Nov. 30, 1921. Serial No. 518,875. 3 Claims. (Cl. 106—7.)

1. A binding material for use as a floor covering or the like, comprising powdered soya bean, sodium silicate, ammonia water, water, hemp and pigment.

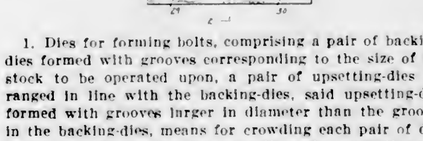
1,466,242. DIAPHRAGM STRUCTURE. SPENCER G. NEAL, New York, N. Y., assignor to Automatic Straight Air Brake Company, Wilmington, Del., a Corporation of Delaware. Filed Dec. 28, 1920, Serial No. 433,714. Renewed Jan. 26, 1923. 5 Claims. (Cl. 137—157.)



1. In a diaphragm structure the combination of a diaphragm, a rigid marginal support therefor, a movable central support, and a freely floating bridge ring extending across the space between said supports and adapted to engage both of said supports when the diaphragm is deflected from its normal position.

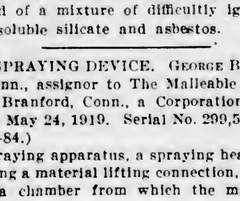
1,466,243. DIAPHRAGM STRUCTURE. SPENCER G. NEAL, New York, N. Y., assignor to Automatic Straight Air Brake Company, Wilmington, Del., a Corporation of Delaware. Filed Mar. 12, 1923. Serial No. 624,478. 3 Claims. (Cl. 137—157.)

1. In a diaphragm structure the combination of a diaphragm, an outer marginal support therefor having a channel to receive said diaphragm, a central support for said diaphragm having a channel to receive said diaphragm, a freely floating bridge ring extending across the space between the inner and outer supports for the diaphragm



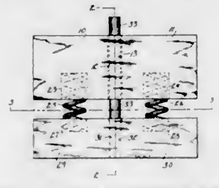
and entering the channels in said supports and formed with means for preventing the lateral shifting of the bridge ring.

1,466,244. METHOD OF FORMING BOLTS. BOUGHTON T. NOBLE, Plantsville, Conn., assignor to Clark Bros. Bolt Co., Milldale, Conn., a Corporation. Filed June 26, 1922. Serial No. 571,022. 1 Claim. (Cl. 10—27.)



A method of forming bolts, consisting in passing the stock between a pair of backing-dies having grooves mainly corresponding to the size of the stock and with a flaring mouth and between a pair of upsetting-dies having grooves of greater diameter than the stock, bringing the dies together so as to grip the stock between the backing-dies, then applying pressure in the direction of the length of the stock, whereby the stock is upset to fill the upsetting-dies and thereby increase the diameter of the main portion of the shank.

1,466,245. DIES FOR FORMING BOLTS. BOUGHTON T. NOBLE, Plantsville, Conn., assignor to Clark Bros. Bolt Co., Millvale, Conn., a Corporation. Filed June 26, 1922. Serial No. 571,023. 2 Claims. (Cl. 10—24.)



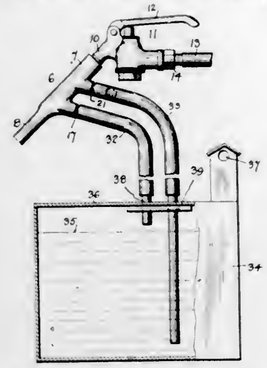
1. Dies for forming bolts, comprising a pair of backing-dies formed with grooves corresponding to the size of the stock to be operated upon, a pair of upsetting-dies arranged in line with the backing-dies, said upsetting-dies formed with grooves larger in diameter than the grooves in the backing-dies, means for crowding each pair of dies together, and means for crowding the upsetting-dies against the backing-dies.

1,466,246. FIREPROOF WALL BOARD. HERBERT A. PARKYN, Chicago, Ill. Filed Oct. 13, 1920. Serial No. 416,691. 10 Claims. (Cl. 106—30.)

1. A fire-proof wall board comprising a dried unpressed board formed of a mixture of difficultly ignitible fibrous material, a soluble silicate and asbestos.

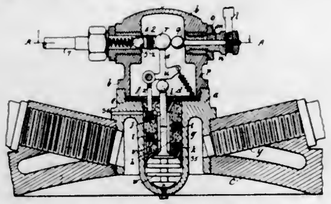
1,466,247. SPRAYING DEVICE. GEORGE B. PICKOP, New Haven, Conn., assignor to The Malleable Iron Fittings Company, Branford, Conn., a Corporation of Connecticut. Filed May 24, 1919. Serial No. 299,537. 7 Claims. (Cl. 299—84.)

1. In a spraying apparatus, a spraying head of the ejector type having a material lifting connection, a motive fluid connection, a chamber from which the material lifting connection issues, a motive fluid conducting tube passing through said chamber, a connection intermediate said first connections for diverting outwardly of the spraying head a portion of the motive fluid before its passage through



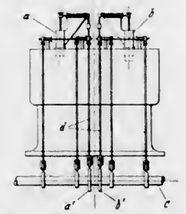
said chamber, a receptacle, a flexible tube connecting said receptacle with said material lifting connection and a flexible tube connecting said receptacle with said intermediate connection.

1,466,248. ELECTRICALLY-HEATED VAPORIZER FOR INTERNAL-COMBUSTION ENGINES. FREDERICK JAMES REED and JOHN STYLE REED, Southampton, England. Filed Mar. 25, 1922. Serial No. 546,572. 5 Claims. (Cl. 123—145.)



1. The combination with an electrically heated vaporizer for internal combustion engines comprising a bulb, a packing of insulating material within said bulb, a carbon resistance disposed in said insulating material, means for passing an electric current through said carbon resistance and means whereby a hot point is formed on the wall of said bulb of means for automatically cutting off said electric current when a requisite temperature has been attained thereby.

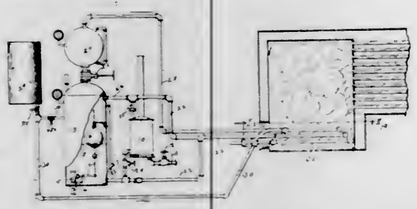
1,466,249. ARRANGEMENT OF THE OPERATING CAMS OF THE FUEL VALVES IN DIESEL MOTORS. ALFRED REINSCH, Berlin-Marienfelde, Germany, assignor to Daimler-Motoren-Gesellschaft, Unterturkheim, Germany, a Firm. Filed Apr. 20, 1922. Serial No. 555,661½. 2 Claims. (Cl. 123—90.)



1. In an internal combustion engine of the Diesel type, the combination of a plurality of upright cylinders, fuel

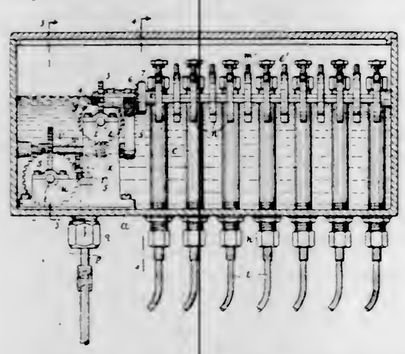
feed valves for said cylinders located in registry with the vertical axes thereof and in line with each other, a horizontal cam-shaft extending parallel to the plane passing through the axes of the cylinders, operating cams on said shaft in close proximity to each other between the parallel vertical planes which pass through the axes of the cylinders and are perpendicular to the cam-shaft and transmission means whereby said cams are operatively connected with said valves.

1,466,250. MECHANISM FOR FUEL OIL GENERATION. WILLIAM F. RESCHKE, Wichita, Kans. Filed Dec. 31, 1921. Serial No. 526,160. 3 Claims. (Cl. 158—28.)



1. In mechanism of the class described; a closed tank, a water line and valve mechanism for controlling water flow into said tank; a firepot, a water line circulating from the tank through the firepot and returning to the tank above the water line; a water heater in a pipe service short circuiting between the outflow and inflow of the last mentioned water line; a steam line leading from the tank through and around the firepot and connecting to a burner mechanism; an air intake and a fuel oil intake in said burner mechanism.

1,466,251. AUTOMATIC LUBRICATING SYSTEM. JOHN H. ROONEY, Clifton, N. J. Filed June 9, 1921. Serial No. 476,184. 1 Claim. (Cl. 184—27.)



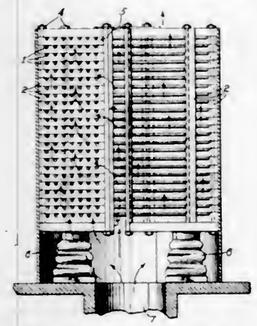
In a lubricator, the combination with a lubricant reservoir and conduits leading therefrom, of spaced rows of upright cylinders in the reservoirs connected to the conduits, the cylinders of each row being spaced apart and arranged in staggered relation to the cylinders of the other row, pistons in the respective cylinders, sets of levers fulcrumed at the opposite sides of the reservoir and respectively extending in opposite directions between the cylinders of one row and having free ends that operate on the pistons in the cylinders of the other row, a cam shaft common to the sets of levers and extending transversely thereof between the rows of cylinders, said shaft having cam portions operating on the levers to move them in one direction, and means for individually operating the pistons in the opposite direction.

1,466,252. REVOLVING CARD DEVICE. CLARENCE E. SHAW, Gig Harbor, Wash. Filed Dec. 27, 1921. Serial No. 525,147. 3 Claims. (Cl. 88—19.)



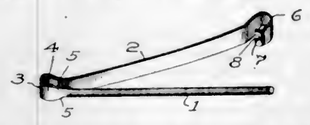
1. A device of the character specified comprising an elongated casing having its ends open, a continuous strip passed about the front wall of said casing and having a finger piece, by means of which the strip may be operated, and a plurality of display cards having their rear portions formed with slots receiving said endless strip.

1,466,253. VENTILATING SYSTEM FOR REACTANCE COILS. MERRILL E. SKINNER, Wilkinsburg, Pa., assignor to Westinghouse Electric & Manufacturing Company, a Corporation of Pennsylvania. Filed Sept. 11, 1920. Serial No. 409,545. 4 Claims. (Cl. 175—360.)



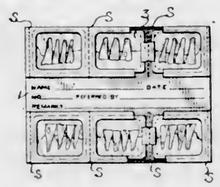
1. A reactance coil comprising a coil, supporting means therefor, a barrier surrounding said supporting means and terminating adjacent to the lower portion of said coil to form an air chamber therebeneath, and a baffle plate disposed at the top of the coil for deflecting an air current through said coil in a radial direction.

1,466,254. HAIR CURLER. OSCAR L. SMITH, Rydal, Pa., assignor to Penn Rivet Corporation, Philadelphia, Pa., a Corporation of Virginia. Filed Mar. 22, 1923. Serial No. 626,943. 2 Claims. (Cl. 132—41.)



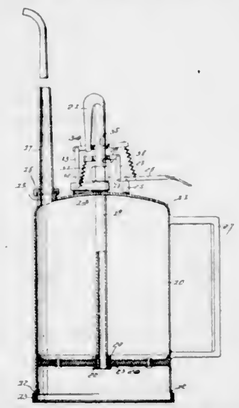
1. A hair curler formed of a single piece of spring metal and comprising a flat flexible arm and a solid stiff hair receiving rod of rounded contour in cross-section and presenting no edges liable to break or injure the hair wound thereon, the metal of the hair receiving rod being flattened and widened beyond the diametrical dimension of the rod at one end and merging into the flat flexible arm to form a widened stop shoulder for limiting the movement of the hair longitudinally of the stiff rod and a spring loop connecting the flexible arm and stiff rod, and a lock for connecting the free ends of the flexible arm and stiff rod.

1,466,255. COMBINATION MOUNT AND CONTAINER FOR TRANSPARENT FILMS. BENJAMIN L. SPITZER, New York, N. Y. Filed Jan. 9, 1922. Serial No. 527,920. 2 Claims. (Cl. 40—159.)



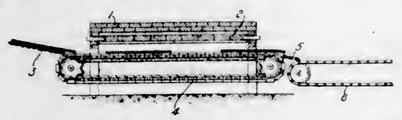
1. A combination mount and container for films comprising a sheet of paper having a body portion and an unslitted folded over portion, the edge of said folded over portion which is opposite to the line of junction between said body portion and said folded over portion being separated from said body portion, said folded over portion being connected to said body portion along a line making an angle with the line of junction between said body portion and said folded over portion so as to divide the said folded over portion into a record bearing main portion and a mount portion, said mount portion having the walls thereof perforated so as to permit a film held therein to be viewed by transmitted light, the said main portion being adapted to contain data relative to said film.

1,466,256. FORCE-PUMP OIL CAN. EDWARD B. STELTEN, Hingham, Mont. Filed Mar. 11, 1922. Serial No. 542,922. 4 Claims. (Cl. 221—47.)



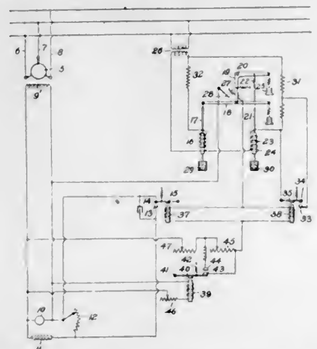
1. A dispensing oil can having a discharge spout, a plunger disposed within the can, a plunger rod attached to the plunger and extending through that end of the can having the discharge spout, finger actuated means for giving a step by step motion to the plunger toward the spout, and means for holding the plunger from reverse movement, said means being rendered inoperative by movement of the plunger toward the spout.

1,466,257. METHOD OF ANNEALING METAL. RANDAL E. TALLEY, Irwin, Pa., assignor to Westinghouse Electric & Manufacturing Company, a Corporation of Pennsylvania. Filed June 9, 1919. Serial No. 302,837. 3 Claims. (Cl. 148—11.)



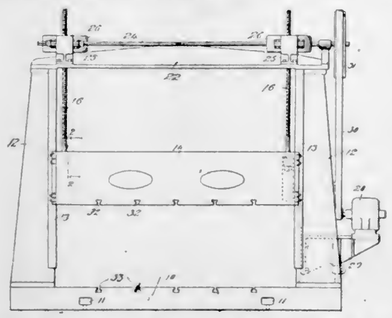
1. A method of annealing aluminum which comprises passing the aluminum through an electrically heated furnace at a predetermined speed.

1,466,258. ELECTRICAL REGULATOR. ALLEN A. TIRRILL, Pittsburgh, Pa., assignor to Westinghouse Electric & Manufacturing Company, a Corporation of Pennsylvania. Filed Dec. 20, 1918. Serial No. 267,647. 34 Claims. (Cl. 171—229.)



1. In a regulator for maintaining a voltage of desired potential, the combination comprising two relays adapted to derive their energy from a variable-voltage source, and means controlled by one of said relays for varying the strength of the other relay whereby the range of operation of said other relay is increased.

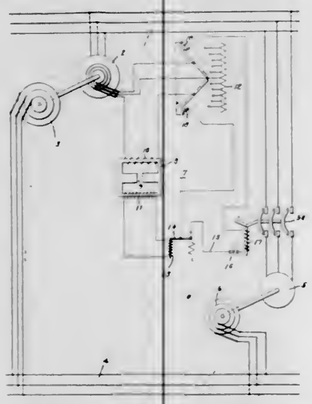
1,466,259. DIE-FITTING APPARATUS. WILLIAM A. VALENTINE, Philadelphia, Pa., assignor to Edward G. Budd Manufacturing Company, Philadelphia, Pa., a Corporation of Pennsylvania. Filed Mar. 13, 1920. Serial No. 365,383. 15 Claims. (Cl. 76—107.)



8. In a die fitting apparatus, a base, vertical standards having guides, a traveling block having guideways at the ends thereof, and fitting between and engaging

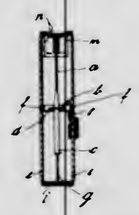
the guides on said standards, screw rods connected to the ends of said block and suspending the same, said rods being so connected to the block as to permit relative movement longitudinally of the rods, said screw rods being held against rotation, a worm gear nut mounted upon each screw, a drive gear meshing with each worm gear nut, a shaft upon which said drive gears are mounted, and means to drive said shaft, said base and block having grooves upon their opposed faces to afford means to secure thereto the die members to be fitted.

1,466,260. ELECTRICAL PROTECTIVE DEVICE. ROY J. WENSLEY, Edgewood Park, Pa., assignor to Westinghouse Electric & Manufacturing Company, a Corporation of Pennsylvania. Filed Apr. 4, 1918. Serial No. 226,619. 12 Claims. (Cl. 175—294.)



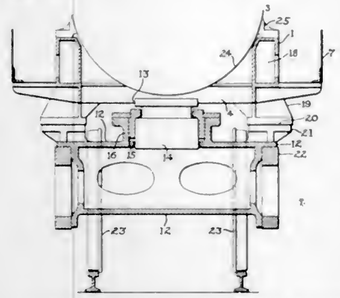
10. The combination with an induction motor having a wound rotor, of a normally saturated core member, a primary winding therefor connected to the rotor winding, a secondary winding adapted to have voltages induced therein in accordace with the slip of the rotor, and means responsive to that voltage.

1,466,261. CLINOMETER. AUGUST SAMUEL AEGERTER, Basel, Switzerland, assignor of one-half to Friedrich Grunder, Rutti, Switzerland. Filed May 13, 1920. Serial No. 381,006. 3 Claims. (Cl. 33—220.)



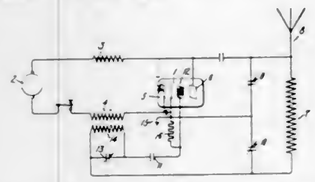
1. A clinometer comprising a closed casing, having a circular mount, an annulus extending radially inwardly from the said mount and being provided with graduations on either side, two glass disks carried by the said mount, one at each side of the said annulus, a horizontal axle journalled in the said glass disks, a pointer carried by the said axle, and a brake pivotally mounted in one of the said glass disks and having means located exterior of said disk adapted to be pressed by hand against the said axle to thereby stop the pointer in any position.

1,466,262. INTEGRAL CAB-FRAME STRUCTURE. FRANK L. ALBEN and HAROLD A. HOUSTON, Wilkinsburg, Pa., assignors to Westinghouse Electric & Manufacturing Company, a Corporation of Pennsylvania. Filed Aug. 22, 1922. Serial No. 583,564. 10 Claims. (Cl. 105—415.)



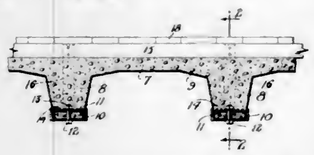
1. A supporting frame for vehicle bodies comprising an integral casting having longitudinal side-frame, tie-rod, center-bearing and aisle-frame portions.

1,466,263. HIGH-FREQUENCY SIGNALING SYSTEM. ERNST F. W. ALEXANDERSON, Schenectady, N. Y., assignor to General Electric Company, a Corporation of New York. Filed Apr. 10, 1922. Serial No. 550,948. 11 Claims. (Cl. 250—12.)



6. The method of operating an electron discharge oscillation generator which consists in generating both high frequency and low frequency oscillations thereby and limiting the amplitude of the low frequency oscillations by the amplitude of the high frequency oscillations.

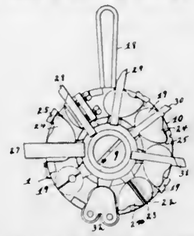
1,466,264. MEANS FOR SUPPORTING NAILING STRIPS. NILS F. AMBURSEN, Pittsburgh, Pa., assignor to Uni-Form Company, a Corporation of Massachusetts. Filed Oct. 7, 1919. Serial No. 329,065. 7 Claims. (Cl. 72—66.)



1. In concrete structure and the like, the combination with a concrete member and a spreader for spacing apart the pans used to form said member embedded therein, of an anchor for a nailing strip above the spreader engaging and definitely positioned by said spreader and embedded in the concrete.

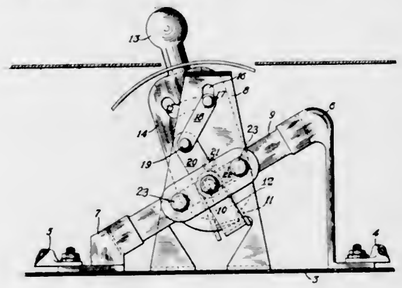
1,466,265. LATHE TOOL. MAURICE M. BALSAM, Brooklyn, N. Y. Filed Aug. 19, 1921. Serial No. 493,569. 2 Claims. (Cl. 29—49.)

1. The lathe tool described, comprising a disk rotatably mounted and having a series of tapered sockets therein, a series of tool holders each mounted in one of said sockets and having a split conical head matching therein and an arm extending laterally from said head, a shank on said head extending through said disk, a nut



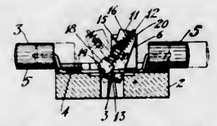
on said shank arranged to draw said head into said socket to compress and hold a tool carried in said head, and a screw in said disk arranged to engage said arm and hold said tool holder against rotation in said disk.

1,466,266. SNAP SWITCH. HAROLD G. BAXTER, Baldwin, N. Y., assignor to Westinghouse Electric & Manufacturing Company, a Corporation of Pennsylvania. Filed Aug. 30, 1920. Serial No. 406,843. 3 Claims. (Cl. 200—70.)



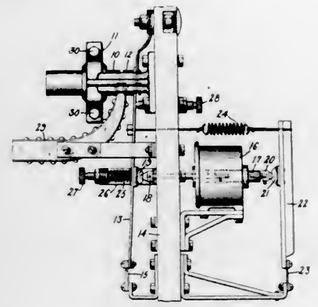
1. In a switch of the class described, a base, a frame mounted on the base and provided with a slot, a pair of contacts also mounted on the base, an oscillating switch blade pivoted in said frame, intermediate its ends, a spring for actuating said blade, a handle having a slot of U-shape and means connected therewith to put said spring under tension and cause it to impart rotative movement to the blade, the slot in the switch frame being positioned to register with one of the extensions of the U-shaped slot when the handle is at either of its limits of movement, a toggle member carried by the blade, and a pin on said toggle member having sliding engagement with the said slots and preventing movement of the blade until one extension of the U-shaped slot is in registry with the slot in the frame.

1,466,267. ELECTRIC SNAP SWITCH. ROBERT H. BENTLEY, Hartford, Conn., assignor to the Hart & Hegeman Manufacturing Company, Hartford, Conn., a Corporation of Connecticut. Filed Feb. 7, 1921. Serial No. 442,922. 3 Claims. (Cl. 200—72.)



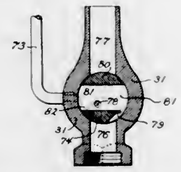
1. An electric switch comprising a switching member having a main swinging portion and an auxiliary portion mounted for swinging movement on the main portion, an actuator for the switching member mounted for back and forth movement in a straight line, a body having a flexible connection both with the actuator and the auxiliary portion of the switch, and a spring around the body and acting against the auxiliary portion of the swtich, the actuator on its movement acting to condition the spring to snap the switching member.

1,466,268. ELECTROMAGNETIC SWITCH. WILLIAM W. BROWN, Schenectady, N. Y., assignor to General Electric Company, a Corporation of New York. Filed Mar. 10, 1921. Serial No. 451,091. 9 Claims. (Cl. 200—111.)



9. An electromagnetic switch comprising a resiliently mounted contact member movable to and from an operative position, an electromagnet having a plunger for operating the contact, a resiliently mounted support, a spring connecting the support and the contact member, knife-edge pivotal connections between the ends of the plunger and the contact member and support for supporting the plunger and operatively connecting the same with the contact member, means for biasing the contact member to one position, and means for adjusting the position of the plunger.

1,466,269. HEATING APPARATUS. LOREN BUTLER, Philadelphia, Pa. Filed Nov. 17, 1921. Serial No. 515,760. 4 Claims. (Cl. 158—115.)

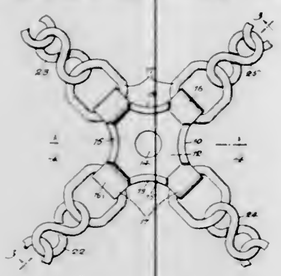


1. An apparatus of the character described including a gas burner having a case including a cavity, and outlet and supply passages communicating with the cavity; a pilot tube communicating with the cavity; and a valve movably fitting within the cavity and having a transverse passage formed therein and a conduit communicating with the passage and the supply passage when the valve is moved to close the passages, and having a groove of varying depth formed in the peripheral surface thereof and in communication with the transverse passage and with the pilot tube.

1,466,270. ANTISKID DEVICE. COLIN J. CAMPBELL, East Orange, N. J., and DANIEL O'NEILL, New York, N. Y. Filed Jan. 6, 1923. Serial No. 611,023. 2 Claims. (Cl. 152—14.)

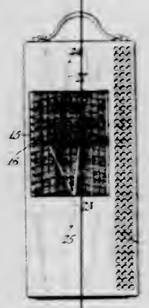
2. A tread element for an anti-skid device, comprising a substantially rectangular flat plate with an opening in

its center and having the central parts of its edges concaved, curved corresponding flanges, each substantially rectangular in cross section, protuding from one of the



faces of the plate at its concaved edges, apertured lugs disposed in relative crosswise arrangement extending from the corners of the plate and links movably mounted in the apertures of the lugs of the plate.

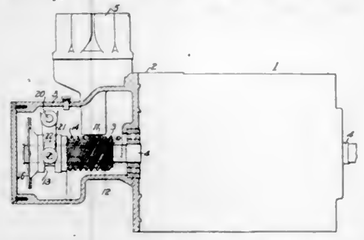
1,466,271. RECORDING INSTRUMENT. FORD A. CARPENTER, Los Angeles, Calif. Filed Oct. 26, 1921. Serial No. 510,550. 5 Claims. (Cl. 234—1.)



1. A device for graphically recording the variations in two or more variables comprising: a sheet of paper having ordinates representing time and abscissas representing values of said variables; two rollers having parallel axes around which said paper is passed the ends of said paper being joined to form a continuous band; means for driving said paper at a uniform speed; a recording member pressing on said paper; mechanism for moving said recording member along an abscissa through a distance equal to the momentary magnitude of one of said variables; a second recording member pressing on said paper; and mechanism for moving said recording member along an abscissa through a distance equal to the momentary magnitude of another variable, said two recording members being so adjusted that at any moment they rest upon two different abscissas, one of which is upon that portion of the paper lying at one side of said rollers and the other of which is upon that portion of the paper lying on the other side of said rollers.

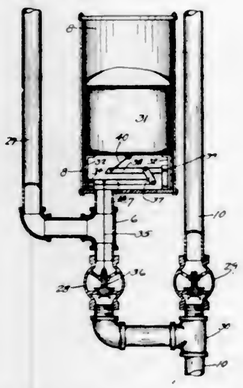
1,466,272. SPARK-ADVANCING MECHANISM. FRANK CONRAD, Pittsburgh, and J. STANLEY KINNEY, Wilkinsburg, Pa., assignors to Westinghouse Electric and Manufacturing Company, a Corporation of Pennsylvania. Filed Apr. 14, 1920. Serial No. 373,845. 16 Claims. (Cl. 123—117.)

4. In an ignition system, the combination with a generator, and an ignition device driven thereby, of a worm member movable along the generator shaft for varying the time of the spark in the system controlled by said device, and connecting means between said worm



member and the generator shaft for modifying the effect caused by the movement of the worm member along the shaft.

1,466,273. LIQUID-DISPENSING APPARATUS. EMORY CROUSE, Wichita, Kans., assignor to The Clear Vision Pump Company, Wichita, Kans., a Corporation of Kansas. Filed Feb. 21, 1922. Serial No. 538,171. 4 Claims. (Cl. 231—100.)



1. An apparatus for dispensing liquids in measured quantities, comprising in combination, a reservoir, an elevated measuring bowl, a suction line connecting said reservoir and said bowl, a pump in said suction line, an overflow pipe extending from a point within the bowl and connected to the suction line at a point below the pump, a normally closed valve in the overflow line, and means for opening said valve and permitting the excess liquid to flow into the suction pipe whenever it overflows a predetermined amount from the bowl.

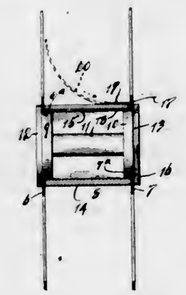
1,466,274. TRACTOR HITCH. ROBERT DEMING, Cleveland, Ohio. Filed Aug. 20, 1921. Serial No. 493,963. 5 Claims. (Cl. 280—33.44.)



1. In a hitch for coupling trailers to a tractor, the combination of a rigid elongated member having a rear part and a forward part extending at an angle to the rear part, means adapted to flexibly connect the front end of said member to the tractor frame with freedom for said member to swing laterally and vertically, and

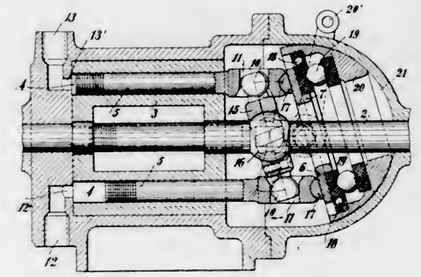
readily disengageable means adapted to detachably connect the rear end of the rigid member to the trailer structure substantially inflexibly and so as to prevent the rigid member from turning about an axis extending longitudinally of its rear part.

1,466,275. FILM REEL. EARL J. DENISON, New York, N. Y. Filed Mar. 29, 1922. Serial No. 547,622. 3 Claims. (Cl. 242—74.)



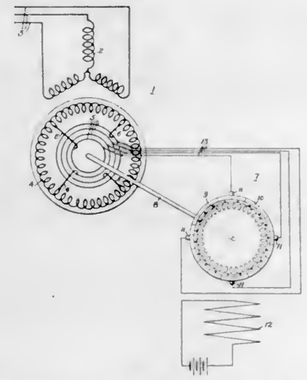
1. In a film-reel, a hub member, disks carried thereby, means to removably retain the disks in position upon the hub, a sleeve associated with said hub member, said sleeve being provided with an interior channel, and a clip disposed in said channel and having one end in resilient engagement with the exterior of said sleeve.

1,466,276. ROTARY MACHINE. FRITZ EGERSDÖRFER, Charlottenburg, Germany. Filed Sept. 10, 1920. Serial No. 409,504. 5 Claims. (Cl. 103—162.)



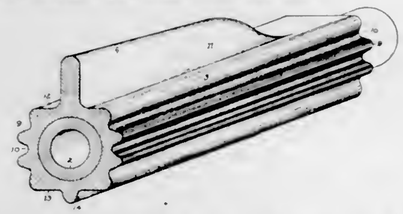
1. In a rotary machine, a cylindrical drum, and a cam member provided with a surface extending opposite and oblique to one head of said drum, and means for imparting to one of said members rotation relative to the other on the axis of the drum, the said drum being provided with a plurality of bores, their axes parallel with the axis of the drum and the axis of one lying outside of a plane common to the axis of the other and to the axis of the drum, pistons within said bores adapted to reciprocate in said bores and adapted to bear upon the said obliquely disposed surface of said cam, and a rocker fulcrumed to said drum, and engaging said plungers, the fulcrum joint including a ball integral with the drum and a plurality of rocker parts adapted to be secured together and presenting when secured together a bearing surface in shape the equatorial zone of a sphere, substantially as described.

1,466,277. PHASE BALANCER. CHARLES LE G. FORTESCUE, Pittsburgh, Pa., assignor to Westinghouse Electric & Manufacturing Company, a Corporation of Pennsylvania. Filed Apr. 4, 1919. Serial No. 287,609. 7 Claims. (Cl. 172—246.)



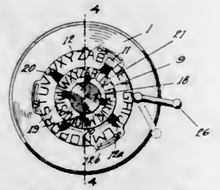
1. The combination with a synchronous, alternating-current machine having symmetrical damper windings, of an exciter therefor, and an arrangement by which all of the polyphase components of the damping current traverse symmetrical paths afforded by said exciter.

1,466,278. STEAM SUPERHEATER. CHAUNCEY BLAIR FORWARD, Urbana, Ohio. Filed Jan. 3, 1919. Serial No. 269,425. 2 Claims. (Cl. 122—460.)



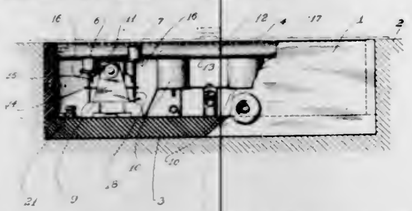
1. A steam superheating unit, comprising a pipe having a cast metal shell, cast full length in contact therewith provided with flat-seating surfaces at its opposite ends, and said pipe extending straight beyond said ends.

1,466,279. IGNITION-SWITCH LOCK. SAMUEL L. GADBERY, Stockton, Calif. Filed Aug. 26, 1921. Serial No. 495,682. 4 Claims. (Cl. 200—45.)



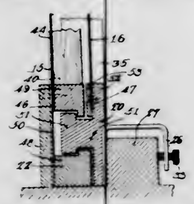
1. In a switch lock, a fixed plate, a pair of dials, one such dial being adjacent the plate, a switch closing member, knobs for the dials turnably mounted on the plate, means whereby the knobs must be rotated to bear a predetermined relation to each other before the closing member may be actuated, fingers mounted with the knobs and pointing on the corresponding dials, the dial adjacent the plate having peripheral slots, and screws in the plate passing through said slots.

1,466,280. ELECTRICAL SNAP SWITCH. HUGO GROSS, Ridgewood, N. J. Filed Oct. 28, 1919. Serial No. 333,938. 2 Claims. (Cl. 200—159.)



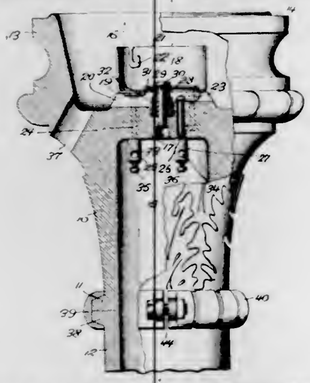
2. In combination with a polished switch cover plate, push buttons having insulated push rods permanently fastened thereto and adapted to operate switches covered by said plate.

1,466,281. FLY SCREEN FOR WINDOWS. EUSTACHIO GUARDIANI, Philadelphia, Pa. Filed July 13, 1922. Serial No. 574,706. 9 Claims. (Cl. 156—38.)



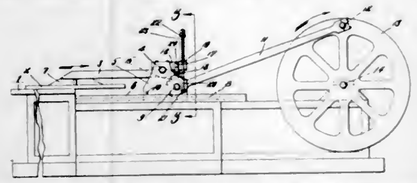
7. In an adjustable intersliding window screen adapted to fit in a window beneath a raised lower sash, an inner and an outer screen intersliding to fit between the vertical runways of the raised sash, the slidingly interlocking members comprising horizontal rails and mating horizontal channels, each screen having exterior and interior vertical frame members, and the interior vertical members each comprising a wooden strip and a metal angle clamping between them the mesh of the screen.

1,466,282. LAMP CASING. CROMWELL A. B. HALVORSON, Jr., Lynn, Mass., assignor to General Electric Company, a Corporation of New York. Filed June 29, 1921. Serial No. 481,385. 2 Claims. (Cl. 240—25.)



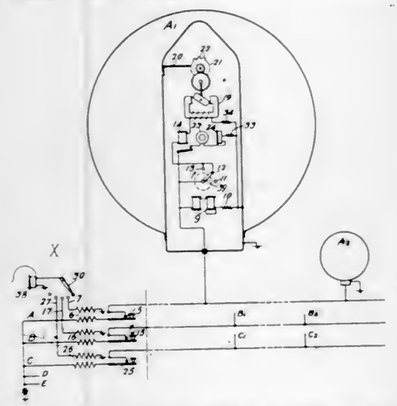
1. In a highway light unit fixture, a lamp casing formed of insulating material having an upper and a lower inner chamber, a wall separating the two chambers, a lamp socket in the upper chamber supported by said wall and insulated thereby, and electric terminals extending through said wall into the lower chamber, the upper part of said casing formed into a holder for supporting a globe and a drain duct extending from the socket chamber through the wall of the casing.

1,466,283. LEATHER-BOARDING MACHINE. DANA E. HARDING, Danvers, Mass. Filed Apr. 29, 1922. Serial No. 557,248. 7 Claims. (Cl. 149—17.)



3. A boarding machine comprising a table, a board overhanging said table and being adapted to cooperate with said table in performing the operation of boarding leather, a carriage arranged to travel approximately parallel to the surface of the table and to which the board is connected so as to move in unison therewith, a connecting rod having a wrist connection with the carriage, and a rotating crank to which the connecting rod is pivoted and by which the connecting rod, the carriage and the board are moved back and forth, said connecting rod and board having complemental means actuated by the changing angularity of the rod to raise the board when the crank is near one dead point, and to lower it when the crank is near the opposite dead point.

1,466,284. DETECTING SYSTEM. JOHN B. HARLOW, Upper Montclair, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y., a Corporation of New York. Filed June 24, 1919. Serial No. 306,405. 8 Claims. (Cl. 177—386.)

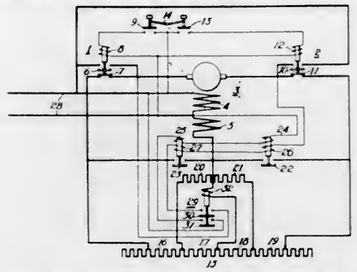


5. In a detecting signaling system, a transmission line, a source of current associated therewith, receiving means associated with the line at an observer's station, a detector, means for associating said detector with the line, and means responsive to such association for producing a distinctive audible signal in the proximity of said detector, said signal being transmitted by the detector over the line to the receiving means.

1,466,285. CONTROL SYSTEM. ALBERT L. HARVEY, Wilkinsburg, Pa., assignor to Westinghouse Electric & Manufacturing Company, a Corporation of Pennsylvania. Filed Jan. 16, 1920. Serial No. 351,815. 14 Claims. (Cl. 172—179.)

2. A control system comprising a motor having an armature, a divided resistor, and a pair of directional

contactors for reversing the direction of operation of said motor, said contactors being adapted to connect a portion of said resistor in series with said armature for starting



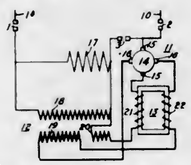
said motor and to connect all of said resistor in a dynamic-braking circuit with said armature for arresting the operation of said motor.

1,466,286. LUMINOUS INDICATOR. JOHN F. HEARN, Passaic, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y., a Corporation of New York. Filed Apr. 15, 1922. Serial No. 553,208. 7 Claims. (Cl. 40—134.)



1. The combination of a calling device with a number plate having depressed characters filled with luminous material, and a rotatable protective facing therefor.

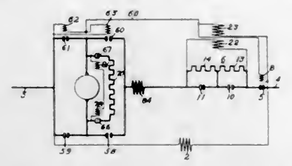
1,466,287. SYSTEM OF CONTROL. RUDOLF E. HELLMUND, Swissvale, Pa., assignor to Westinghouse Electric & Manufacturing Company, a Corporation of Pennsylvania. Filed Mar. 11, 1919. Serial No. 281,955. 5 Claims. (Cl. 172—276.)



1. The combination with an alternating-current commutator motor having an inducing field winding and an armature provided with working brushes and exciting brushes, of a main source of supply, an auxiliary transformer having a single primary winding energized therefrom and having a secondary winding connected in circuit with said exciting brushes and another secondary winding connected in circuit with said working brushes, and a mutual impedance having two inductively related coils respectively connected in circuit with the sets of brushes.

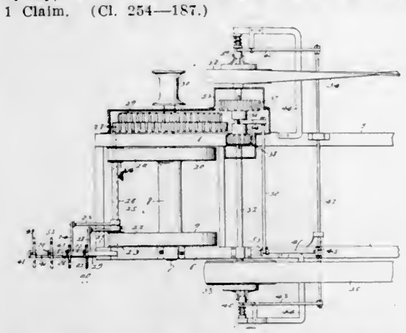
1,466,288. CONTROL SYSTEM. HENRY D. JAMES, Edgewood Park, Pa., assignor to Westinghouse Electric & Manufacturing Company, a Corporation of Pennsylvania. Filed May 12, 1919. Serial No. 296,640½. 5 Claims. (Cl. 172—288.)

1. The combination with an electric circuit, of a switch for controlling said circuit, and a relay for controlling said switch, said switch comprising actuating means therefor and said relay having means comprising a pair of assisting coils for controlling the effectiveness of said



actuating means, one of which is controlled in accordance with the electrical conditions of a portion of said circuit and the other of which is energized in accordance with line voltage whenever said circuit is closed.

1,466,289. HOISTING MACHINE. LUTHER M. JORDAN, Sperry, Okla. Filed Jan. 14, 1922. Serial No. 529,287. 1 Claim. (Cl. 254—187.)

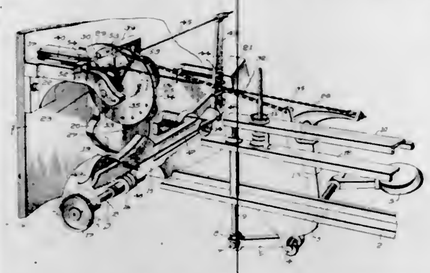


In a hoisting machine, a self-contained mechanism comprising a frame, a winding drum and a rope spool, a shaft rotatably mounted on the frame to which the winding drum and spool are secured, gear wheels of different diameters between the said spool and drum, a power shaft mounted parallel with the shaft of the drum and in proximity thereto, gear wheels on the power shaft in such spaced relation to each other as to engage respective gear wheels alternately or to rotate free of said gear wheels, a mounting splined on the power shaft on which the pinions are mounted, a casing enclosing the said gear wheels, pinions and pinion mounting, means operative from the rear of the winding drum and supported by an extension of the frame for moving the mounting axially of the shaft, oppositely driven pulleys on the power shaft having clutch members, clutch elements on the shaft adapted to coact with the said clutch members, means operative from the rear of the winding drum and supported by an extension of the frame for shifting the clutch elements alternately into and out of engagement with the clutch members, and means for operating the clutch shifting means.

1,466,290. BUILDER MECHANISM FOR WINDING MACHINES. ALBERT E. KAY, Lowell, Mass., assignor to Draper Corporation, Hopedale, Mass., a Corporation of Maine. Filed Nov. 14, 1922. Serial No. 600,847. 9 Claims. (Cl. 242—43.7.)

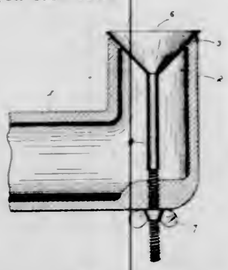
1. In a builder mechanism for winding machines, the combination of the builder arm and builder cam, means for guiding the yarn to yarn receivers, connections between the builder arm and said means for traversing the latter, including a bunch building segment, a segment governor mounted for sliding movement independent of the segment, and segment governor controlling means for sliding the segment governor to operative position for traversing the yarn guiding means with a short traverse

until the bunch is completed with such short traverse and then sliding the segment governor to an inoperative posi-



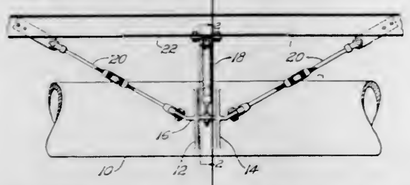
tion to cause the bunch building segment to become at once ineffective that the windings on the yarn receivers may continue with regular service traverse.

1,466,291. GAS BURNER. JOHN H. BEEBY, Ottawa, Ontario, Canada. Filed Oct. 8, 1921. Serial No. 506,535. 1 Claim. (Cl. 158—117.)



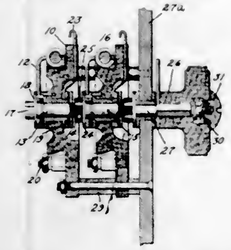
In a burner, a means for controlling the egress of the air and gas mixture from the said burner, said controlling means consisting of a conical shaped spreader invertibly positioned in the exit of the said burner, a rod having its upper end rigid with said spreader and its lower end screw threaded through the bottom of the body of the burner to form a means for positively spacing said conical shaped spreader in relation to the exit end of said burner, said conical shaped member having its outer face wider than the outer circumference of the said burner and a means for locking said conical shaped member in fixed open and closed position when properly regulated.

1,466,292. PIPE-ANCHORING MEANS. CHESTER A. BELL, Providence, R. I., assignor to General Fire Extinguisher Company, Providence, R. I., a Corporation of New York. Filed May 10, 1922. Serial No. 559,943. 3 Claims. (Cl. 137—75.)



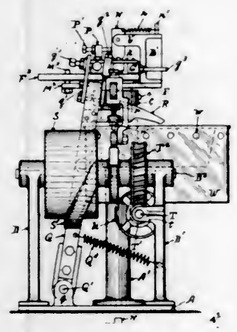
1. A pipe anchoring device comprising an H-shaped truss ear adpated to be welded to a pipe; said ear having two web members corresponding to the up-rights of the H, and a third web member constituting the cross bar; combined with supporting means.

1,466,293. RHEOSTAT. WALLACE L. BROOKS, Schenectady, N. Y., assignor to General Electric Company, a Corporation of New York. Filed Dec. 27, 1921. Serial No. 525,234. 4 Claims. (Cl. 219—48.)



4. The combination in a multiple unit rheostat of a contact member for each of said units, a shaft for each of said units for operating the contact member of the same, a collar on one end of each of said shafts, a threaded end on the other end of each of said shafts and an internally threaded collar on the said other end of each of said shafts for frictionally holding the contact member and the shaft of the respective unit with respect to its respective base, the said shafts having each a projection on one end thereof and a corresponding aperture in the other end thereof, the projection of one shaft registering with the aperture in the end of the adjacent shaft to form a continuous assembled shaft for all of the respective units, and a common handle secured to one end of the said assembled shaft for simultaneously operating the said contact members.

1,466,294. AUTOMATIC DIE-CASTING MACHINE. ROBERT E. BYRD, Erie, Pa. Filed July 14, 1921. Serial No. 484,788. 8 Claims. (Cl. 22—70.)

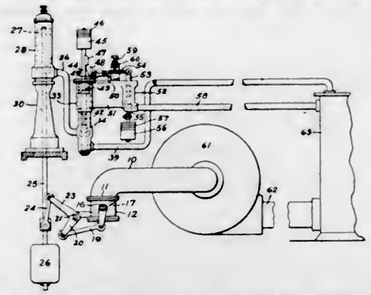


1. In a machine of the class described, a melting pot, a cylinder within said pot, a vertically movable piston within said cylinder having a longitudinal passage therethrough, a mould die composed of a plurality of parts supported upon and movable with said piston, mechanism mounted upon said piston adapted to hold said mould parts together during the casting process and to separate them to drop the casting out, and mechanism to operate said piston and die holding mechanism.

1,466,295. REGULATING MEANS FOR COMPRESSORS, BLOWERS, OR THE LIKE. ROBERT H. COLLINGHAM, Rugby, England, assignor to General Electric Company, a Corporation of New York. Filed Apr. 7, 1921. Serial No. 459,392. 10 Claims. (Cl. 230—24.)

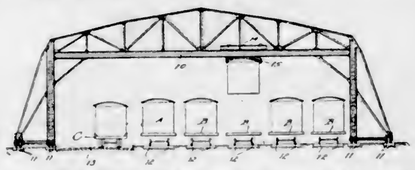
1. In combination, a compressor having an inlet conduit and a discharge conduit, a valve in the inlet conduit,

means for causing said valve to assume one of two positions when the pressure on the discharge side of the com-



pressor reaches certain definite adjustable limits, and means for adjusting said limits independently with respect to each other.

1,466,296. FREIGHT-HANDLING SYSTEM. BENJAMIN F. FITCH, Evanston, Ill. Filed July 7, 1921. Serial No. 482,925. 5 Claims. (Cl. 214—38.)



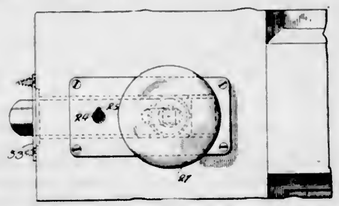
1. A method of classifying freight comprising arranging a number of empty cars coupled together in rows, placing freight in a unit package or mass, raising each package and transporting it overhead and then depositing it on any selected car, whereby a train may be made up for immediate transportation without reclassifying the cars.

1,466,297. SIGHT FOR FIREARMS. JOSEPH P. GENARD, Edgewood, Md. Filed May 5, 1922. Serial No. 558,651. 6 Claims. (Cl. 33—47.)



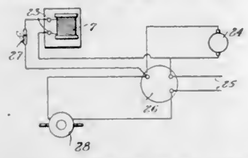
1. A firearm having a front open sight and a rear peep-sight fixed to the top of the breech-end of said firearm, the peep-sight opening comprising two portions continuous with and of different cross-section from each other.

1,466,298. MORTISE LOCK. EDWARD HOFFMAN, Logan, Utah. Filed Oct. 23, 1922. Serial No. 596,378. 5 Claims. (Cl. 70—29.)



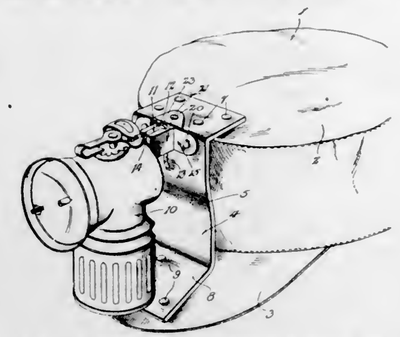
2. A mortise lock comprising in combination, a tubular shell, a tubular bolt reciprocable therein, a plug immovably secured within said shell and placed within said tubular bolt, a spring abutting against said plug and said bolt, said bolt having slots for coaction with a cam, a knob shaft, a cam on said shaft for actuation of said bolt by coaction with said slots.

1,466,299. DEVICE FOR DENTAL USE. FREDERIC J. HOFSCHNEIDER, Rochester, N. Y. Filed June 13, 1922. Serial No. 568,055. 5 Claims. (Cl. 32—10.)



1. A device for use with a dental engine comprising fluid conducting means, an electric motor for operating said engine, a valve governing the passage of fluid through said conducting means, and an electrical device in the circuit with said motor and operating automatically to open the valve when the motor is running and to release the valve when the motor is idle.

1,466,300. LAMP HOLDER FOR MINERS' CAPS. ELI ISRAEL, Wilkes-Barre, Pa. Filed Feb. 24, 1922. Serial No. 538,983. 1 Claim. (Cl. 240—60.)

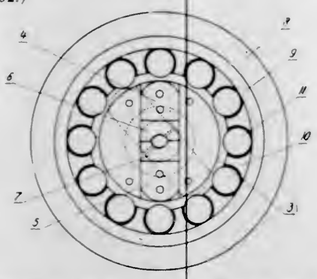


As a new article of manufacture, a supporting member for attachment to a miner's cap for supporting a miner's lamp by the usual stem of said lamp, comprising an attaching plate having terminal portions apertured for the passage of securing elements and provided with a boss upon its face located between said apertures, the boss being provided with a vertically extending socket substantially adjacent its juncture with the plate, the socket being flared at its upper end and being closed on all sides except at its upper and lower ends, the upper and forward sides of the boss being formed with grooves, the upper end of the groove in the forward side of the boss and the forward end of the groove in the upper side of the boss merging with each other, and the rear end of the groove in the upper side of the boss merging with the flared upper end of the socket, the said socket and the said grooves being designed to receive relatively angularly disposed portions of the said stem of the lamp.

1,466,301. PROCESS FOR PRODUCING STEEL. JOHN T. JONES, Pittsburgh, Pa., assignor to Howells Metallurgical Company, Pittsburgh, Pa., a Corporation of Pennsylvania. Filed July 19, 1918. Serial No. 245,656. 6 Claims. (Cl. 75—27.)

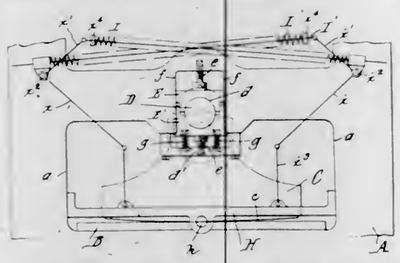
1. The process which comprises treating a surface of an article made of iron or steel with a material for deoxidizing and carburizing said surface, said material comprising molten pig iron containing carbon in a combined state.

1,466,302. MACHINE FOR SWAGING OR REDUCING METAL. FELIX LOUIS JOUVE, Paris, France. Filed Apr. 26, 1920. Serial No. 376,800. 2 Claims. (Cl. 10—152.)



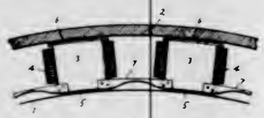
1. Machine for producing screw threads on metal objects by dies, comprising a rotating plate provided with radial grooves, hammers sliding in the grooves, an exterior ring of projecting rollers with which the hammers abut, dies in said grooves in advance of said hammers and forming a thread, said dies being of approximately elliptical shape in cross section, and devices for limiting towards the exterior the course of said hammers, so that the dies completely release the metallic pieces.

1,466,303. PRINTING PRESS. CARL A. KELLOGG, Brooklyn, N. Y. Filed Mar. 26, 1919. Serial No. 289,339. 18 Claims. (Cl. 101—212.)



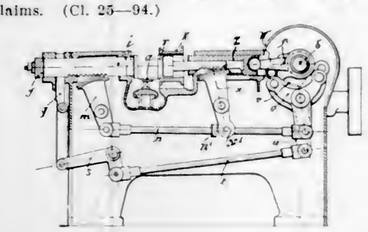
1. A printing press embodying a printing couple, means for moving one member of the couple toward and away from the other to allow a form roller to pass over one of said members and to bring said members on and off impression and rock one of said members over the other while on impression, and means for counterbalancing said movable member at all times.

1,466,304. DYNAMO-ELECTRIC MACHINE. PAUL AUGUST KOCH, deceased, late of Charlottenburg, Germany, by Auguste Elsbeth Koch, administratrix, Charlottenburg, Germany, assignor to General Electric Company, a Corporation of New York. Filed May 9, 1922. Serial No. 559,593. 4 Claims. (Cl. 171—252.)



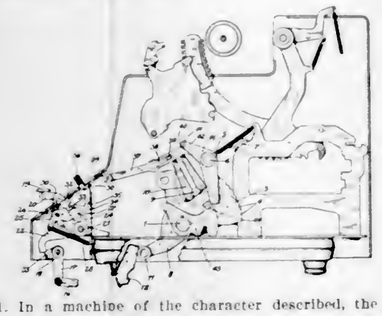
3. In a dynamo electric machine, an armature, a field magnet structure comprising a magnet frame and pole pieces and an air gap between said frame and pole pieces, and means for shunting a portion of the magnetic flux of said pole pieces away from said armature.

1,466,305. BRICK PRESS. JEAN LAMASSIAUDE, FERNAND ROUCHAUD, and CHARLES ROUCHAUD, Limoges, France. Filed Mar. 1, 1920. Serial No. 362,509. 5 Claims. (Cl. 25—94.)



1. In a machine for compressing bricks, a cast carrying member mounted for reciprocating movement, a mold arranged at one side of the path of said member, an ejecting plunger mounted for movement in said mold, a compressing plunger also arranged for movement in the mold, behind and independently of the ejecting plunger, a third plunger movable across the path of said member to and from the mold, to move a cast from said member to said mold, means to lock said third member at the end of its cast-moving movement, and means to operate said plungers and said locking means.

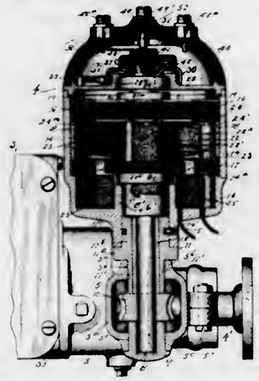
1,466,306. ADDING MACHINE. HARRY LANDSIEDEL, Norwood, Ohio, assignor to The Dalton Adding Machine Company, Cincinnati, Ohio, a Corporation of Ohio. Filed May 25, 1921. Serial No. 472,390. 16 Claims. (Cl. 235—62.)



1. In a machine of the character described, the combination of a rock shaft, a motor for turning said shaft in one direction, devices controlling the operation of said shaft by said motor, a hand lever having connection with said shaft for turning said shaft in the same direction that the motor turns it, and means settable while said hand lever retains said connection with said shaft to prevent operation of said devices or said hand lever as desired.

1,466,307. SYSTEM OF GENERATING AND DISTRIBUTING ELECTRIC CURRENTS. LÉON J. LE PONTOIS, Lakewood, Ohio, assignor, by mesne assignments, to The Teagle Company, Cleveland, Ohio, a Corporation of Ohio. Filed June 28, 1915. Serial No. 36,673. 19 Claims. (Cl. 290—33.)

1. A system for electrical generation and distribution, comprising an internal combustion motor, a direct current electric generator driven by said motor, a high tension ignition generator having a field exciting winding, a generating winding, a rotor for varying the magnetic flux through said generating winding, a circuit breaker, and means for distributing high tension ignition current from said generating winding to said internal combustion motor, and electrical connections between the source of direct current and the exciting winding of said ignition generator, said rotor, circuit breaker and distributing means being geared synchronously to said motor, whereby the inductive influence upon said generating winding of the magnetic flux set up by the direct current flowing through said exciting winding is amplified by the expenditure of mechanical energy in the system during the generation of ignition sparks to increase the effective current value thereof.



14. In ignition apparatus, the combination of a field structure, a rotor, a pair of windings surrounding said rotor, one a high tension generating winding and the other a field exciting winding, and a circuit breaker controlled by the operation of said rotor.

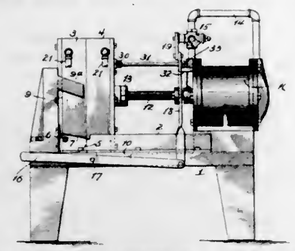
1,466,308. VERTICAL-FILE-FOLDER ACCESSORY. HARRY R. LIVINGSTON, Washington, D. C. Filed Feb. 2, 1921, Serial No. 441,923. Renewed Mar. 1, 1923. 7 Claims. (Cl. 1.9—16.7.)



1. As an improved article of manufacture, a strip for use in the repair of a vertical file holder, the same comprising a rigid piece of material to be applied between the edges of a severed folder to constitute the bottom of the repaired file folder, and a flexible strip applied to said piece and having side flaps extended beyond the edges of said piece for attachment to the separated side members of the file folder to increase the capacity of said folder.

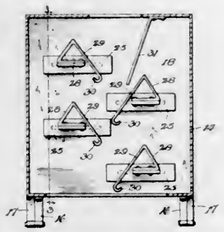
1,466,309. ART OF MOLDING. EDMUND JAMES LOWRY, South Bend, Ind., assignor to Oliver Chilled Plow Works, South Bend, Ind. Filed Feb. 18, 1921. Serial No. 446,150. 8 Claims. (Cl. 22—123.)

1. In a molding apparatus, the combination with a support, of a permanent mold member pivotally mounted on said support and adapted to tilt, a second permanent mold member mounted on said support to move toward and away from the pivoted mold member, means for moving said second mold member, means for controlling



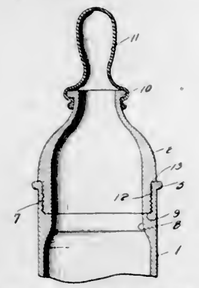
said moving means, and means carried by the said second mold member and operable automatically to free the casting when the mold members are separated.

1,466,310. SEPARATOR. MITCHELL R. MANN, Portland, Oreg., assignor to James J. Ross, Portland, Oreg. Filed Jan. 14, 1922. Serial No. 529,286. 13 Claims. (Cl. 83—71.)



1. A device of the character described including a casing having a hingedly mounted door normally closing the casing, and magnetic pole plates carried by said door and shiftably supported thereby housed within the casing to intercept a stream of material flowing therethrough, the door being movable to open position for shifting the pole pieces from within the casing and exposing said plates.

1,466,311. NURSING BOTTLE. ALONZO L. MOBLEY, Soquel, Calif. Filed Oct. 21, 1921. Serial No. 509,402. 1 Claim. (Cl. 215—11.)



A nursing bottle comprising body and neck portions, the body portion having the juncture of its side and bottom walls curved both internally and externally, internal screw threads adjacent the open end of the body portion, a shoulder within the body at the inner end of said screw threads, external screw threads at the lower end of the neck portion, a shoulder on the neck portion at the inner end of the screw threads and adapted to abut the outer edge of the body when the neck portion is threaded to the body portion, the inner edge of the neck portion

adapted to abut the inner shoulder in the body of the bottle when the neck is threaded to the body, the neck and body portions of the bottle each having a nipple securing bead at their outer end, the outer end of the neck portion being of much less diameter than the body portion whereby either a breast nipple or an ordinary nipple may be used, and the neck and body portions being serrated adjacent their point of connection.

1,466,312. BLADE-SECURING MEANS AND METHOD OF MAKING SAME. REGINALD K. MORCOM, Birmingham, England, assignor to General Electric Company, Schenectady, N. Y., a Corporation of New York. Filed Aug. 23, 1921. Serial No. 494,567. 20 Claims. (Cl. 29—23.5.) (Granted under the provisions of the act of Mar. 3, 1921, 41 Stat. L., 1313.)



1. The method of forming a turbine part which comprises taking a carrying member, assembling elastic fluid directing elements thereon in spaced relation to each other and with the surfaces to be united in engagement, fastening them in assembled positions in a temporary manner, and then permanently uniting the engaging surfaces of the carrying member and elements by fusion of metal.

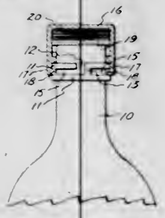
14. A unitary blade group adapted for fastening to a turbine rotor comprising a plurality of blade lengths assembled in spaced relation to each other, with distance pieces between their root ends, said blade lengths and distance pieces being united by fusion of metal.

1,466,313. LOOSE-LEAF BINDER. JOHN SCHADE, Holyoke, Mass., assignor to National Blank Book Company, Holyoke, Mass., a Voluntary Trust Association. Filed Apr. 7, 1921. Serial No. 459,363. 2 Claims. (Cl. 129—24.)



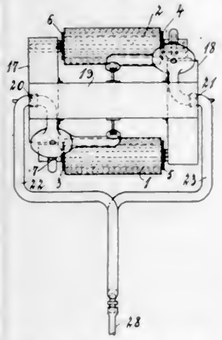
2. In a loose leaf binder, a fabric cover member, a fiber strip having flush clips with spurs and having openings opposite the ends of the spurs, so that the latter may be subsequently raised from their flush position, a lining glued over the strip and clips and having openings immediately above the strip openings to receive the spurs, and a metal cover having clinching engagement with the spurs.

1,466,314. BOTTLE CLOSURE. HENRY SHELMON, Vontress, Tex. Filed July 16, 1920. Serial No. 396,684. 1 Claim. (Cl. 215—44.)



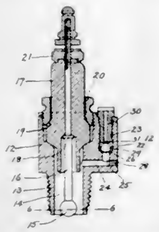
The combination with a bottle, of a closure comprising a cap, diametrically oppositely arranged legs extending downwardly from said cap, inwardly extending lugs formed on said legs, an annular flange surrounding the bottle neck, a sectional flange surrounding the neck above the annular flange, vertical ribs connecting the flanges and extending from one end of each of the sectional flanges so as to form diametrically opposite channels for receiving the inwardly extending lugs, said lugs being adapted to engage the adjacent rib when the cap is in locked position and spring means arranged in the top of the cap as and for the purpose specified.

1,466,315. APPARATUS FOR SCRUBBING SHIPS' BOTTOMS BELOW THE WATER LEVEL. LUDVIG THORSEN, Stavanger, Norway. Filed June 2, 1922. Serial No. 565,324. 8 Claims. (Cl. 114—222.)



1. In apparatus for scrubbing ships' bottoms below the water level by means of rotating brush rollers, the combination of brush rollers mounted parallel to each other in a frame, buoyancy tanks on said frame, turbines for rotating said brush rollers, means for supplying water under pressure to said turbines, and means for causing the water leaving said turbines to press said rollers against the ship's side.

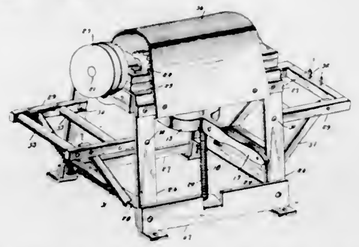
1,466,316. SPARK PLUG. FREDERICK VARONE, Boston, Mass., assignor of one-half to Charles F. Garland, Boston, Mass. Filed June 24, 1920. Serial No. 391,449. 1 Claim. (Cl. 123—169.)



A spark plug comprising a tubular shell composed of an externally threaded inner portion, an enlargement above the inner portion, and a vertical rib formed on one side of said enlargement, the shell being provided with a tapped vertical socket in said rib, a horizontal duct portion extending through the lower portion of said rib to the bore of the shell, and vertical duct portion extending from the bottom of said socket to the horizontal duct portion, said bottom being of greater diameter than the vertical duct portion, and provided with grooves, so that the bottom forms an annular air-conducting valve rest; a tubular screw engaged with said socket, and having a cupped inner end located above the valve rest and forming a downwardly facing valve seat; a ball valve movable

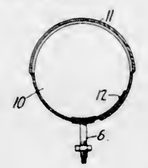
vertically between said rest and seat; and a stopper closing the outer end of the horizontal duct portion, the shell being provided with a conducting electrode, and with means for securing the latter to and insulating it from the shell.

1,466,317. BOILER-FLUE CLEANER OR SCALER. CARL A. VONDERHEID and HERBERT L. EDDY, Oil Hill, Kans. Filed May 26, 1921. Serial No. 472,660. 3 Claims. (Cl. 29—81.)



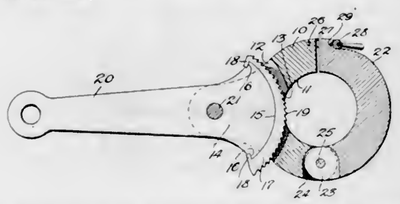
1. A boiler flue cleaner comprising a main frame, a rotary cleaner roll provided with a threaded surface, said cleaner roll supported by said frame, bearing rolls for holding a flue in contact with the cleaner roll, rest frames disposed at opposite ends of the main frame and adapted to support the extremities of a flue interposed between the cleaner and bearing rolls, and said rest frame being mounted to fold within said main frame when the machine is not in use.

1,466,318. MEANS FOR CURING TIRES. HARRY F. WATERS, Denver, Colo., assignor to Karl C. Schuyler, trustee, Denver, Colo. Filed July 15, 1921, Serial No. 484,849. Renewed Jan. 25, 1923. Serial No. 534,588. 10 Claims. (Cl. 18—45.)



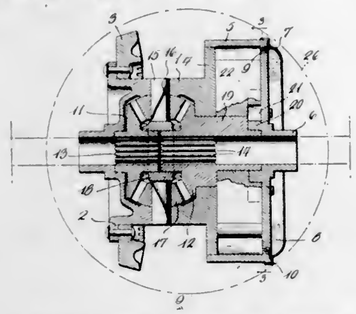
1. An air bag for use in curing tires comprising a paper tube.

1,466,319. DRILL-ROD TOOL. HARDAMAN B. WEATHERSBY and JOHN F. BOZEMAN, West Columbia, Tex. Filed May 17, 1922. Serial No. 561,629. 1 Claim. (Cl. 81—66.)



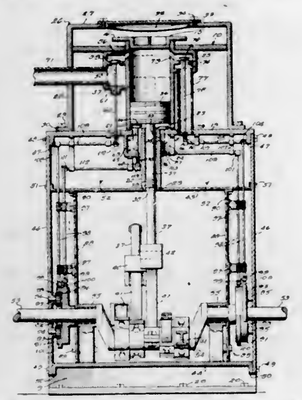
A pipe turning tool including a ring formed of pivotally connected sections, one of the sections having a bifurcated extension formed centrally on its convex face and lying in the plane of the section, said portion of the section having an arcuate recess communicating with the bifurcation, a lever pivoted within the bifurcation and having an enlarged arcuate portion movable in the arcuate recess, the sides of the arcuate portion being formed with recesses, and an arcuate plate disposed on the arcuate face of the lever and having fingers on its ends engaged in said side recesses, said plate being thicker at one end and gradually tapering toward the other end and formed with serrations.

1,466,320. DIFFERENTIAL GEARING. JAMES M. WEST, Raleigh, N. C. Filed Apr. 20, 1923. Serial No. 633,536. 5 Claims. (Cl. 74—100.)



1. An automatic brake for differential gearing comprising a casing carried by and arranged adjacent said gearing having oppositely disposed valved ports therein, one of the compensating gears of said gearing having an eccentric on its bearing sleeve, a block having opposed pistons formed on its opposite portions received in said casing and adapted to be reciprocated with relative rotation of the eccentric, and a flanged oil retaining ring secured to the outer wall of said casing for supplying oil to said valved ports.

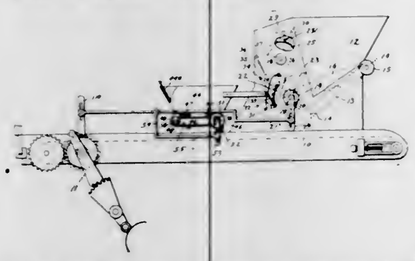
1,466,321. GAS ENGINE FOR AIRPLANES. JAMES WHITCOMB, Grand Island, Nebr., assignor of one-sixteenth to Harley Andrew Hudson, one-sixteenth to Ralph Milo-Hudson, one-sixteenth to James H. Hughes, one-sixteenth to Oscar W. Hart, and one-sixteenth to Harry C. Bryner, all of Kewanee, Ill.; one-eighth to Ted Upton, Anaconda, Mont.; and one-sixteenth to Herman H. Bobenhouse, and two-eighths to Victor A. Quadar, both of Denver, Colo. Filed Apr. 18, 1922. Serial No. 554,686. 6 Claims. (Cl. 123—55.)



1. An internal combustion engine comprising a plurality of cylinders, a casing having one wall adapted to form a support for and a closure for one end of each of said cylinders, means for supplying combustible fluid to the interior of said casing, valve mechanism for admitting the combustible fluid into the ends of the cylinders through said casing at proper intervals, a piston mounted

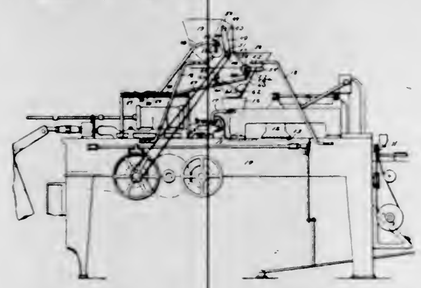
in each of said cylinders, a piston rod connected to each of said pistons and extending through said casing, a crank shaft, a connecting rod connecting the crank shaft with each of said piston rods, means for firing the combustible charges within the cylinders, and means for exhausting burned gases from the cylinders at proper intervals.

1,466,322. FEEDER FOR CIGAR MACHINES. FRANK MORGAN WHITE, Huntington, W. Va., assignor, by direct and mesne assignments, to P. Lorillard Company, a Corporation of New Jersey. Filed May 24, 1919. Serial No. 299,493. 14 Claims. (Cl. 131—39.)



14. A cigar or cigarette machine comprising a filler feed belt, means for advancing the belt intermittently step by step, a long-filler hopper and a short-filler hopper arranged substantially above the belt, filler discharge mechanism for each hopper arranged to deliver a definite amount of filler material at each action, and means connected with the feed belt operating means for actuating said delivery mechanisms intermittently in accordance with the belt movements.

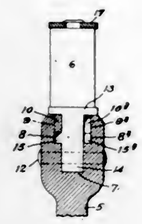
1,466,323. CIGAR MACHINE. FRANK MORGAN WHITE, Huntington, W. Va., assignor, by direct and mesne assignments, to P. Lorillard Company, a Corporation of New Jersey. Filed Mar. 16, 1920. Serial No. 366,299. 7 Claims. (Cl. 131—5.)



4. Filler feed mechanism arranged for cooperation with a small cigar machine in which a rolling apron is connected to and operated by a reciprocating carriage, said mechanism comprising a long filler hopper and a short filler hopper arranged substantially above said apron, delivery mechanism for each hopper operatively connected with said carriage, means for collecting and temporarily retaining filler materials delivered from the hoppers, and means for discharging and directing the combined filler materials to the feed apron prior to its rolling action.

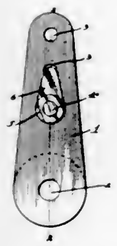
1,466,324. ELASTIC-FLUID TURBINE. JAMES WILKINSON, Lynn, Mass., assignor to General Electric Company, a Corporation of New York. Filed June 7, 1922. Serial No. 566,631. 3 Claims. (Cl. 253—77.)

1. In an elastic fluid turbine, a carrying member having an annular slot, grooves in the opposed faces of said slot, and staggered passages communicating with said grooves, and a bucket group having a web which fits the annular slot in the carrying member, and staggered projections on



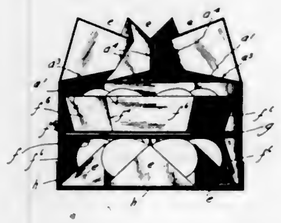
said web which are adapted to pass through said staggered passages and be brought into said grooves by a sliding movement.

1,466,325. WRIST PIN. JOSEPH S. WINKLER, Chanute, Kans. Filed May 8, 1922. Serial No. 559,324. 3 Claims. (Cl. 74—38.)



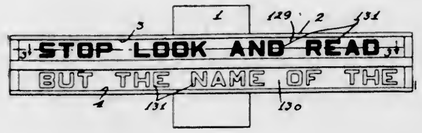
1. In a device of the class described, a wrist pin provided intermediate its ends with an arm having a stud disposed approximately parallel to the wrist pin; and a holding device on one end of the wrist pin and cooperating with the arm.

1,466,326. EGG CARRIER. WESLEY M. WIRE, Newberg, Oreg. Filed Dec. 2, 1921. Serial No. 519,399. 4 Claims. (Cl. 229—28.)



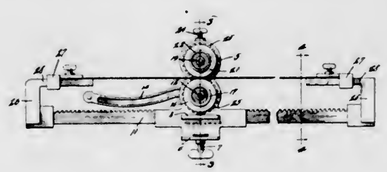
1. An egg carrier comprising an outer casing provided with a top having creasings arranged to adapt said top to be folded and telescoped inward; and an egg-holding tray placed within said outer casing; said creased portion of the top of the outer casing, when inwardly folded and telescoped, providing a plurality of radially arranged individual cells, spacing the eggs in the tray apart.

1,466,327. ADVERTISING DEVICE. THOMAS R. WIWI, Chicago, Ill., assignor of forty-five per cent to William H. Dean, Chicago, Ill. Filed Dec. 10, 1921. Serial No. 521,321. 14 Claims. (Cl. 40—53.)



1. An advertising device comprising a casing, a display box supported thereon having display openings therein, advertising ribbons within said box, means in said casing for moving said ribbons across said openings simultaneously in opposite directions, means for illuminating the one of said ribbons moving in the proper direction, and means for reversing the direction of movement of the ribbons and causing the illuminating means to change to another ribbon.

1,466,328. AUTOMATIC SAW SET. THOMAS COOPER ALLISON, Hohenwald, Tenn. Filed Apr. 26, 1922. Serial No. 556,611. 1 Claim. (Cl. 76—59.)



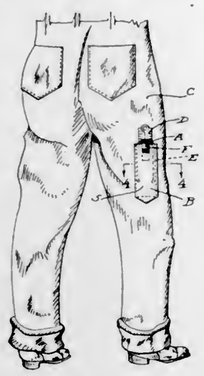
In a saw setting machine, a rack bar, bracket members adjustably secured at the ends of the rack bar, each of said bracket members including an inwardly extended arm disposed in parallel relation with the rack bar, clamps adjustably supported on the inwardly extended arms, said clamps adapted to engage the ends of a saw blade, a body movable over the rack bar and including a pair of spaced walls, setting rollers carried by the body, gearing mounted between the walls, shafts for supporting the gearing and setting rollers, said gears meshing to cause rotation of the setting rollers, and one of said gears moving over the rack bar to cause the body to move longitudinally of the rack bar.

1,466,329. PROCESS OF ACETYLIZING CELLULOSE. HARRY P. BASSETT, Cynthiana, Ky. Filed May 11, 1921. Serial No. 468,695. 4 Claims. (Cl. 260—101.)

4. A process of the character described which comprises treating cellulose with an acetylizing mixture containing substantially 300 parts of 80 per cent acetic anhydride, 1200 parts of a coal tar product, and 10 parts of sulfuric acid, separating cellulose acetate, removing the coal tar product from the mixture by distillation, adding sulfur chloride to the remaining material, treating said material with chlorine gas to form acetyl chloride, and treating the acetyl chloride with sodium acetate to form acetic anhydride.

1,466,330. RULE OR TOOL HOLDER FOR GARMENT POCKETS. ELI CINDEL, Nemo, S. Dak. Filed July 25, 1922. Serial No. 577,393. 6 Claims. (Cl. 24—3.)

1. The combination with a pocket, of an inverted U-shaped clip disposed with the legs thereof engaging the opposite edges of the pocket at the interior thereof to stretch the front and back of the pocket, and a second clip

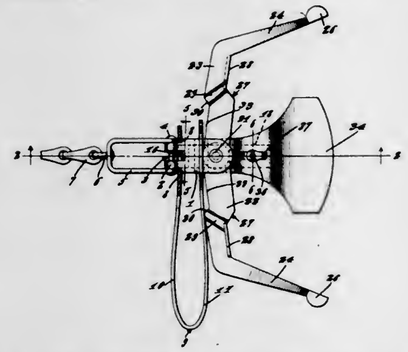


carried by the bight portion of the first mentioned clip and engaging the upper portion of the pocket to dispose the bight portion above the opening of the pocket.

1,466,331. SMUDGING AND FROST-PREVENTING COMPOSITION. HERBERT COFFMAN, San Mateo, Calif. Filed Aug. 16, 1922. Serial No. 582,298. 4 Claims. (Cl. 44—4.)

1. As a new composition of matter, a solid fuel for smudging and frost prevention including in combination ground carbon, sawdust, crude oil, and sodium nitrate in proportions suitable to produce smoke and heat and ensure complete combustion of all ingredients.

1,466,332. TRAP. FELIX H. CRAGO, Milltown, Mont. Filed Apr. 18, 1922. Serial No. 554,412. 4 Claims. (Cl. 43—88.)

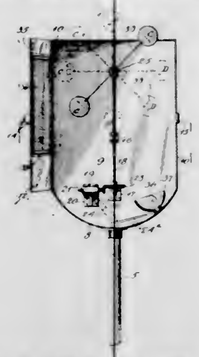


1. A trap comprising a frame; jaws pivoted to the frame; a spring comprising an arm fixed to the frame, and an arm movable on the frame and on the jaws to close the jaws; a latch pivoted to the fixed arm of the spring; a trigger pivoted to the movable arm of the springs; and interengaging elements on the trigger and on the latch.

1,466,333. TRAFFIC DANGER SIGNAL. EUGENE DE BOGORY, Dallas, Tex. Filed May 10, 1923. Serial No. 637,987. 11 Claims. (Cl. 116—63.)

6. In a signalling apparatus, a casing, a horizontally extending supporting element mounted in said casing in spaced relation to its top, a series of spokes rotatably carried by said supporting element, a signaling member car-

ried by each spoke, the length of said spokes being greater than the distance between said supporting element and



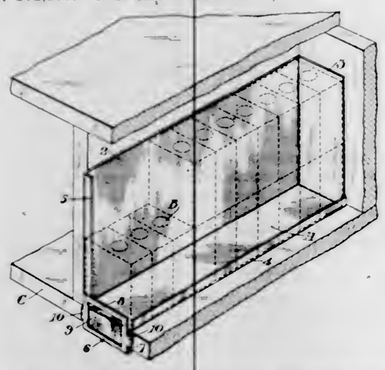
top of said casing for causing said spokes to travel arcuate paths above the casing, and means for operating said spokes.

1,466,334. MACHINE FOR CUTTING AND SWAGING BALE TIES. ALEC J. GERRARD and PARVIN WRIGHT, Chicago, Ill. Filed June 14, 1922. Serial No. 568,305. 6 Claims. (Cl. 29—34.)



1. In a wire straightening and swaging machine, the combination of means to straighten a wire; means to receive predetermined lengths of said wire; a power shaft; a cam loose on said shaft; means to connect said cam with said shaft when a predetermined length of wire has entered said receiving means; a lever actuated by said cam; one member of a pair of swaging dies carried by said lever; a stationary anvil carrying another member of said pair of dies cooperating with said first named die member; and a cutting die member rigid with and spaced from one of said swaging die members, substantially as described.

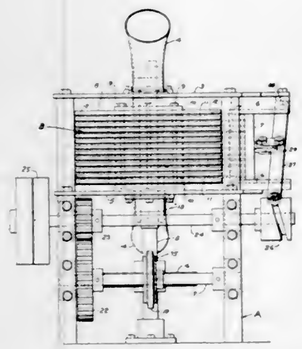
1,466,335. SHELF-STACKING TRAY. YALE X. GLEASON, San Francisco, Calif. Filed July 5, 1922. Serial No. 572,879. 5 Claims. (Cl. 45—7.)



1. A tray of the character described comprising a vertical sheet metal side and an integral horizontal bottom section, an upturned flange on the bottom section on the edge opposite to the side section and parallel therewith, and a front and rear stop cooperating with the bottom section, said tray being open at the front and side above the flange of the bottom section and the front stop to expose goods at the front and to permit lateral displacement of the goods at the side of the tray.

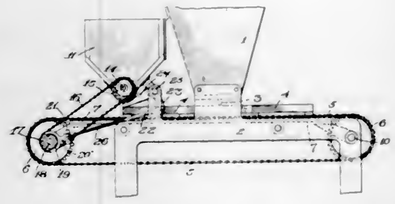
1,466,336. [WITHDRAWN.]

1,466,337. PINEAPPLE SLICER. LOUIS HIRSCH, Honolulu, Territory of Hawaii, assignor to California Packing Corporation, San Francisco, Calif., a Corporation of New York. Filed Mar. 26, 1923. Serial No. 627,871. 4 Claims. (Cl. 146—6.)



1. In a machine of the character described, a turret, said turret comprising a series of interspaced, superposed disks having fruit receiving pockets formed therein and traversing the spaces between the disks, a series of superposed knives adapted to enter the spaces between the disks and to intersect the fruit receiving pockets, means for imparting a step by step revoluble movement to the turret, and means for imparting a reciprocal movement to the knives during each step by step movement of the turret.

1,466,338. CANDY DEPOSITOR. WILLIAM S. NICHOLSON, Rochester, N. Y. Filed Feb. 13, 1920. Serial No. 358,556. 5 Claims. (Cl. 107—3.)



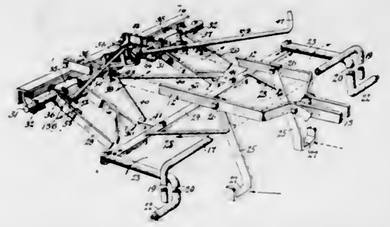
1. In combination with a depositor comprising a hopper and an intermittently operating mechanism for feeding mold trays under the hopper; a starch feeding receptacle having a discharge opening arranged to drop starch upon trays on said tray feeding mechanism, and means for controlling said discharge opening, said means being controlled by trays passing under said discharge opening on said tray feeding mechanism.

1,466,339. FILM CARRIER. LEVI N. PLANTE, Worcester, Mass. Filed June 20, 1922. Serial No. 569,628. 8 Claims. (Cl. 95—100.)



1. As an article of manufacture, a film carrier comprising a rod having at intervals pairs of springs supported thereon, the coils of which are adapted to be forced apart at the bottom for the reception of the tops of the films to be supported thereby.

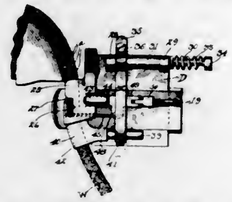
1,466,340. WHEELED CULTIVATOR. ARTHUR L. POLLARD and ERNEST BASEMAN, Batavia, N. Y., assignors to Massey-Harris Harvester Company, Inc., Batavia, N. Y., a Corporation of New York. Filed Nov. 30, 1921. Serial No. 518,943. 7 Claims. (Cl. 97—155.)



1. A wheeled cultivator comprising a main frame, a horizontal guide bar fixed transversely on said main frame, an adjusting block which is slidable lengthwise on the central part of said guide bar, draw heads slidable on said guide bar on opposite sides of the adjusting block, draw bars pivotally connected with said draw heads so as to be capable of swinging vertically relatively thereto but compelled to move laterally therewith, and means for adjustably connecting said draw heads with said adjusting block.

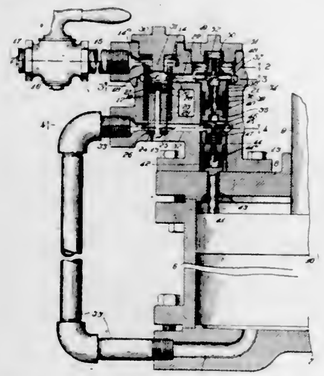
1,466,341. WELT-GUIDE AND STITCH-INDENTING MECHANISM. JAMES H. REED, Swampscott, Mass., assignor to The Singer Manufacturing Company, Elizabeth, N. J., a Corporation of New Jersey. Filed Sept. 9, 1920. Serial No. 409,189. 9 Claims. (Cl. 112—29.)

1. In a sewing machine, sewing instrumentalities including a reciprocatory needle, means to present a welt to said instrumentalities to stitch the same, a welt indenting-tool effective to engage and indent the needle-entering face of the welt at a point coincident with the



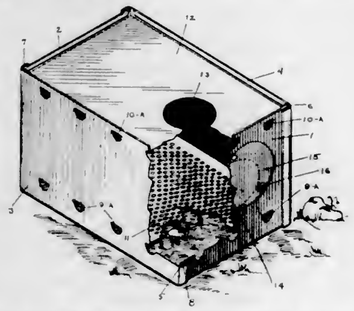
subsequent penetration of the welt by said needle, and means for retracting said welt indenting-tool from indenting position out of the path of said needle.

1,466,342. VALVE MECHANISM FOR DUMP CARS. JAY B. RHODES, Kalamazoo, Mich., assignor to Western Wheeled Scraper Company, Aurora, Ill., a Corporation of Illinois. Filed Mar. 30, 1918. Serial No. 225,845. 26 Claims. (Cl. 121—41.)



1. A valve comprising a casing having a main valve chamber, a cut-off chamber and an exhaust port, a passage connecting said chambers, fluid pressure controlled means in said valve chamber for controlling the admission of air to said passage and for opening or closing said exhaust port, a plunger movable endwise in said cut-off chamber for cutting off the admission of air from said passage to said cut-off chamber, and a duct communicating with said exhaust port and with said cut-off chamber and leading to an operating cylinder.

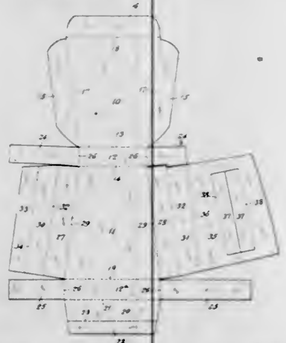
1,466,343. CAMP STOVE. HARRY L. ROUSE, Rochester, N. Y. Filed Apr. 18, 1922. Serial No. 554,637. 4 Claims. (Cl. 126—9.)



1. In a collapsible camp stove having a removable grate and top plate, the combination of a pair of sides

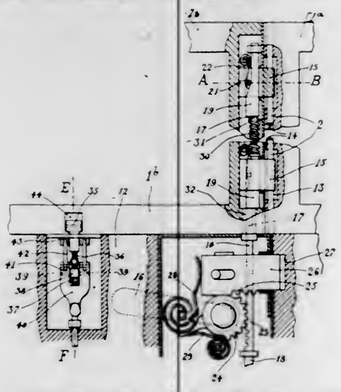
and a pair of ends, interlocking flanges formed on said ends and sides adapted to hold said ends and sides together, two series of lugs struck up on each of said sides and ends to project inwardly thereof and form two series of ledges and vent holes in said sides and ends, one of said series of lugs being located at a suitable distance from the bottom of the stove so as to be adapted to support a grate at the proper elevation therein, the other of said series of lugs being located near the upper end of said stove to support the top plate thereon, said lugs being located above the opening in said sides and ends and said top plates closing the top of said stove.

1,466,344. FOLDING BOX. GEORGE SARDOU, New York, N. Y. Filed Mar. 9, 1922. Serial No. 542,241. 2 Claims. (Cl. 229—27.)



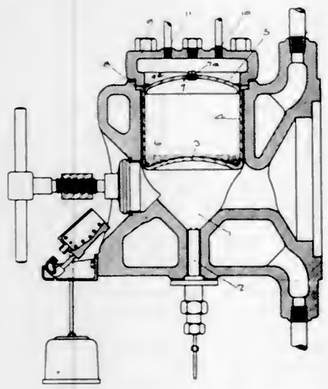
1. A folding box consisting of a body having a main bottom, a single ply end wall, a double ply end wall, double ply side walls all folded relatively to said bottom to operative positions, an auxiliary bottom foldably connected with one side wall and lying over said main body to lock said end and side walls in operative position, a pair of flaps comprising integral parts of said auxiliary bottom and foldable relatively thereto to spaced perpendicular positions to divide said body into a plurality of individual compartments, a cover foldably connected with said single ply end wall and movable to open and closed positions and end and side flaps foldably connected with said cover and adapted in the closed position of the latter, to extend into said body.

1,466,345. VEHICLE BODY. JACQUES EGIDE SERSTÉ, Brussels, Belgium. Filed Mar. 21, 1922. Serial No. 545,554. 11 Claims. (Cl. 296—45.)



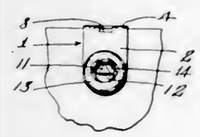
1. In a transformable vehicle body, the combination of a side wall, a door in said side wall, a window frame comprising panels hinged to one another and adapted to rest on said side wall and door, a handle for said door and means operatable by said door handle for dividing said frame at the junction of two adjacent panels.

1,466,346. HOT POT FOR EXPLOSIVE ENGINES AND METHOD OF FORMING THE SAME. HAROLD F. SHEPHERD, Grove City, Pa., assignor to The Bessemer Gas Engine Company, Grove City, Pa., a Corporation of Pennsylvania. Filed Oct. 6, 1920. Serial No. 415,203. 5 Claims. (Cl. 123—145.)



1. In a hot plate apparatus, the combination of a hot pot, one fall of which forms a hot plate, said pot having the air exhausted therefrom and sealed; and a liquid in the pot over the plate vaporizing at a pre-determined temperature.

1,466,347. FASTENING DEVICE. JAMES V. WASHBURNE, Fulton, N. Y. Filed Mar. 29, 1921. Serial No. 456,765. 3 Claims. (Cl. 24—153.)

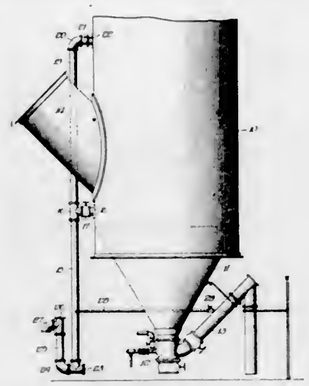


1. A fastener struck up from sheet metal and consisting of an end member, jaws comprising integral extensions of said end member, said fastener being formed with recesses spaced apart to define parallel, spaced bending lines on which said jaws automatically bend relatively to said end member into opposed, spaced relation to each other, and a punch carried by one of said jaws.

1,466,348. OVERFLOW DRAIN AND WATER SEAL FOR GAS WASHERS. KARL WEINEL, Chicago, Ill., assignor to Freyn, Brassert & Company, Chicago, Ill., a Corporation of Maine. Filed Sept. 8, 1919. Serial No. 322,586. 2 Claims. (Cl. 261—119.)

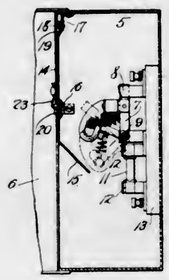
2. In combination, a gas washer tower, an upwardly extending drain pipe connected to the bottom of said tower whereby a water seal is maintained at a predetermined height, a pipe connected to said tower and forming a gas inlet, a drain pipe connected to said gas washer tower below the gas inlet and above the line of the water supply maintained in said tower, and having

a siphon at the lower end of said drain pipe for maintaining a water seal, and a second pipe connected to said



siphon whereby a supply of water is maintained in said drain pipe at all times whereby the said pipe is closed against the passage of gas therethrough.

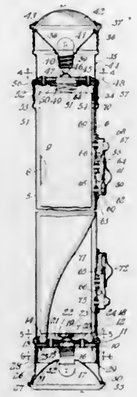
1,466,349. ELECTRIC SWITCH. FRANK T. WHEELER, Plainville, Conn., assignor to The Trumbull Electric Manufacturing Co., Plainville, Conn., a Corporation of Connecticut. Filed July 9, 1919. Serial No. 309,643. 7 Claims. (Cl. 200—168.)



1. An enclosed switch construction comprising a box having a cover, stationary and movable switch members mounted therein, detachable fuses connected with said switch members, stationary supports in said box, a guard plate detachably secured to said supports in said box and comprising a main portion extending over said stationary and movable switch members and an angularly disposed portion extending inwardly from the main portion toward said fuses, said construction permitting free access to said fuses when the cover of the box is open and without movement of said guard plate but said guard plate preventing access to said stationary and movable switch members when the box is open.

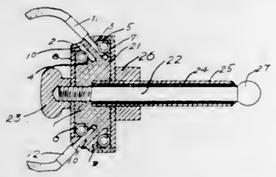
1,466,350. FLASH LIGHT. EDMUND R. BARANY, Brooklyn, N. Y., assignor to Franco Electric Corporation, a Corporation of New York. Filed July 8, 1922. Serial No. 573,686. 12 Claims. (Cl. 240—8.5.)

4. A flashlight comprising a conducting casing adapted to receive therein a battery, lamps arranged at opposite ends of said casing, conductors insulated from said casing and leading from one electrode of said battery through one lamp to the other electrode of said battery, means cooperating with said conductors for placing one



lamp in circuit with said battery, and means including said casing for placing the other lamp in circuit with said battery.

1,466,351. CONNECTING HEAD FOR MULTIPLE TELEPHONE AND OTHER CIRCUITS. FREDERICK G. BROCKETT and CLIFTON C. WRIGHT, Chicago, Ill.; said Brockett assignor to said Wright. Filed Apr. 5, 1922. Serial No. 549,789. 5 Claims. (Cl. 173—334.)



5. In a device of the character described, a block of insulating material having an annular groove therein, a helical coil of spring wire bent into the form of a ring and lying in said groove, and a plate of conducting material overlying said groove and engaging with said ring and constituting one terminal therefor, said block having therein a plurality of holes for the reception of detachable contact pieces, said holes being so disposed that contact pieces therein are yieldingly engaged by said ring.

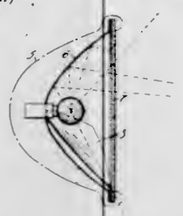
1,466,352. RECOVERING POTASSIUM FROM BRINES. CLINTON E. DOLBEAR, San Francisco, Calif., assignor to Industrial Research Co., San Francisco, Calif. Filed July 17, 1922. Serial No. 575,655. 6 Claims. (Cl. 23—22.)

2. The method of recovering potassium from potassium bearing brine, comprising adding ammonia to the brine and keeping the brine in a state of agitation.

1,466,353. RECOVERING ALKALI-METAL SALTS FROM BRINES. CLINTON E. DOLBEAR, San Francisco, Calif., assignor to Industrial Research Co., San Francisco, Calif., a Business Association. Filed Jan. 22, 1923. Serial No. 614,291. 6 Claims. (Cl. 23—22.)

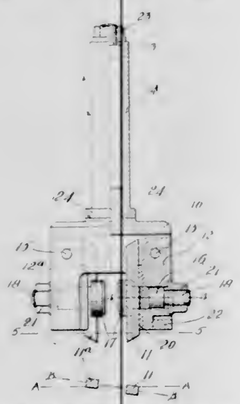
6. The method of recovering salts from brine containing a mixture of sodium and potassium salts which comprises adding to the brine ammonia and an aqueous solution of a sulfate.

1,466,354. ANTIGLARE DEVICE FOR AUTOMOBILE HEADLIGHTS. HERBERT R. DRURY, Willoughby, Ohio. Filed Sept. 7, 1920. Serial No. 408,432. 2 Claims. (Cl. 240—48.2.)



1. An anti-glare device for automobile headlights consisting of a circular member adapted to have its peripheral portion clamped between the opposed edge portions of the reflector and lens and incorporating a segmental blind, for obliterating the rays reflected by the upper portion of the reflector and a dimmer connected by arcuate strips to the ends of the blind and designed to be fitted within the lower portion of the reflector and engaged beneath the lamp support in a position to intercept the direct rays from the lamp which are projected toward the lower portion of the reflector.

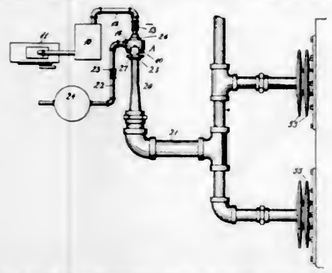
1,466,355. DOUBLE CUTTING TOOL FOR PLANERS. JOSEPH D. DUSENBURY, Newton, Mass. Filed July 31, 1920. Serial No. 400,365. 14 Claims. (Cl. 90—53.)



1. In a planing machine having a pair of cutting tools, means for carrying said tools in a common plane, said means being rotatively adjustable to cause this plane to assume an angle to the direction of cutting stroke of said tools.

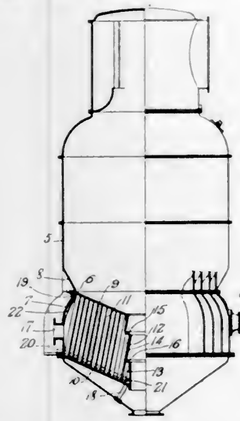
1,466,356. METHOD OF AND APPARATUS FOR MIXING AND PROPORTIONING GASES. WILLIAM BARTON EDDISON, Irvington, N. Y., assignor to The Surface Combustion Co., Incorporated, New York, N. Y., a Corporation of New York. Filed June 14, 1921. Serial No. 477,519. 20 Claims. (Cl. 158—109.)

20. Inspirating apparatus comprising a casing providing a gas chamber and having a gas inlet opening, an entraining tube having its entrance end open to the gas chamber and extending through and beyond a wall of the chamber casing and being externally screw threaded, a nozzle piece set in an opening in the opposite wall of the chamber casing with its nozzle orifice in position to discharge a driving jet of air into the entrance end of said entraining tube, a Venturi tube connected to the chamber casing with its entrance cone in position to receive the jet of mixture from said entraining tube and spaced off from the chamber casing to permit flow of atmospheric air into



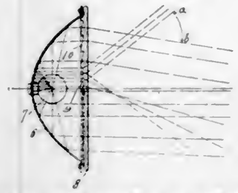
the tube, and an adjustable disc shutter mounted to turn on the threaded extending portion of said entraining tube opposite the entrance cone of the Venturi tube for controlling the flow of air into the tube.

1,466,357. CONCENTRATING EVAPORATOR. GODFREY ENGEL, Sr., Brooklyn, N. Y., assignor to Buffalo Foundry & Machine Co., Buffalo, N. Y., a Corporation of New York. Filed Apr. 17, 1920. Serial No. 374,659. 11 Claims. (Cl. 159—27.)



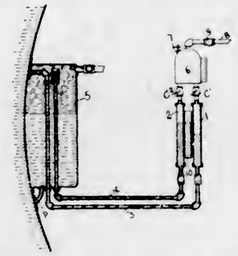
1. In apparatus of the character described, a calandria comprising upper and lower inclined tube sheets one of greater diameter than the other, tubes extending between said sheets, a stepped inner wall connecting said sheets, and tubes engaged between the stepped portion of said wall and the tube sheet of greater diameter.

1,466,358. HEADLIGHT LENS. MARCUS A. ERICKSON, St. Cloud, Minn., assignor of one-half to Charles E. Bird, Minneapolis, Minn. Filed June 11, 1921. Serial No. 476,719. 3 Claims. (Cl. 240—48.4.)



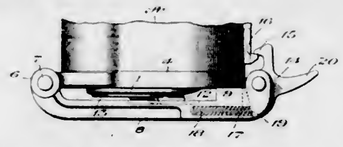
1. A headlight lens formed in its central upper quadrant with horizontal prismatic surfaces constructed and arranged to downwardly deflect light rays passed therethrough, the remaining portion of the upper half of said lens having horizontal outwardly converging prismatic surfaces beveled upwardly and downwardly in reverse directions and acting to deflect part of the light rays downwardly and part of the light rays upwardly, said deflected rays leaving a dark or unblinding zone.

1,466,359. GAUGE. MICHAEL BIRT FIELD, Glasgow, Scotland, assignor to Pneumercator Company, New York, N. Y., a Corporation of Maine. Filed May 2, 1921. Serial No. 466,053. 12 Claims. (Cl. 73—54.)



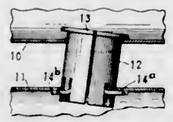
1. In combination, a tank containing immiscible liquids of different specific gravities and open to a volume of one of said liquids exterior to said tank, a gauge, and tubes connected to said gauge, one of said tubes communicating with the interior of said tank and another of said tubes being in connection with the liquid exterior to said tank, whereby said gauge is enabled to measure the difference in pressure head of a column of given height of the liquid exterior to said tank and of a column of equal height of the two liquids as they exist within said tank.

1,466,360. BOBBIN-CASE LOCK. HENRY O. FLETCHER, Bridgeport, Conn., assignor to The Singer Manufacturing Company, a Corporation of New Jersey. Filed Apr. 10, 1919. Serial No. 288,974. 8 Claims. (Cl. 112—188.)



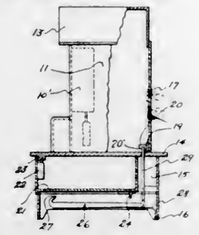
1. In a sewing machine having sewing instrumentalities including a shuttle and a bobbin case therein, mechanism for retaining said case in position within said shuttle, comprising a retaining arm constructed to engage said case, a hook disposed at the free end of said arm to hold the latter in engaging position, and means carried by said arm and actuable to first release said hook and then remove said arm from engaging position.

1,466,361. BOX CONNECTOR. BENJAMIN E. GETCHELL, Plainville, Conn., assignor to The Trumbull Electric Manufacturing Company, Plainville, Conn., a Corporation of Connecticut. Filed Dec. 5, 1921. Serial No. 519,914. 4 Claims. (Cl. 247—2.)



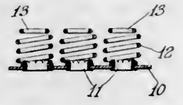
1. An electric box connector comprising a tubular member of substantially uniform diameter split at one end to provide fingers bendable at different lengths and having outwardly projecting stop means at the other end.

1,466,362. DOUBLE-LOCKED SECRET CHAMBER. PAUL GINELEWITZ, New York, N. Y. Filed Aug. 21, 1922. Serial No. 583,202. 1 Claim. (Cl. 45—94.)



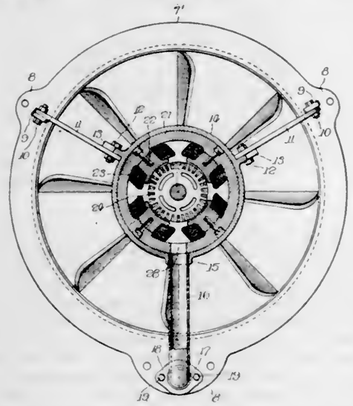
A chambered casing comprising a stand, one or more doors hinged at the back of the casing, hooks on said doors extending into the chamber in said stand, a frame below said stand, a drawer operable in said frame, a lock for the drawer, an open loop fixed on the bottom of said drawer, near the rear thereof, a lever pivoted in said frame, a cam hook on the front end of said lever engageable by said loop upon moving the drawer outwardly, a detent pivoted to the lever at its rear end, said detent extending past the inner end of said drawer and normally engaging the hooks carried by said doors, preventing opening thereof, and a spring bearing against said lever to normally hold said detent in engagement with said hooks, the action of said loop on said cam hook moving the detent out of engagement.

1,466,363. IRONING MACHINE. CHARLES EDWIN HAMILTON, Troy, N. Y. Filed Feb. 1, 1922. Serial No. 533,169. 5 Claims. (Cl. 68—9.)



2. In an ironing pad support member of the character described, a base plate, and a helically coiled spring having its innermost convolution of lesser diameter than the body of the coil and secured to the base plate.

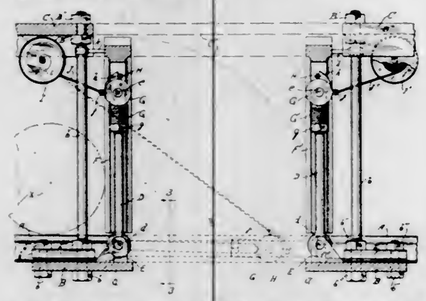
1,466,364. SELF-COOLED ELECTRIC MOTOR. ROBERT A. ILG, Chicago, Ill., assignor to Ilg Electric Ventilating Company, Chicago, Ill., a Corporation of Louisiana. Filed Aug. 4, 1921. Serial No. 489,685. 3 Claims. (Cl. 172—36.)



1. The combination, with a multi-polar electric motor having a circular field frame formed with a radial hole

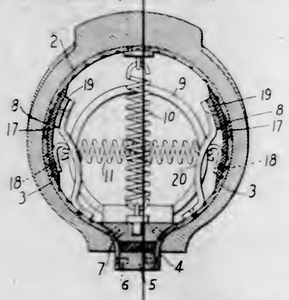
therein between adjacent poles, of a motor-supporting ring embracing said field frame and formed with a radial hole registering with the hole of the latter, a pipe for the induction of cooling air communicating with the hole of said ring, a cover secured to one side of said field frame and having a hole for the outflow of heated air, a skeleton frame piece secured to the other side of the field frame around the commutator of the motor, and a removable cover surrounding and enclosing said skeleton frame piece.

1,466,365. CROSSOVER AND DOORWAY OPENING FOR SUSPENDED RAIL TRACKS. NIC KRUMP, Chicago, Ill. Filed Dec. 28, 1922. Serial No. 609,443. 6 Claims. (Cl. 104—100.)



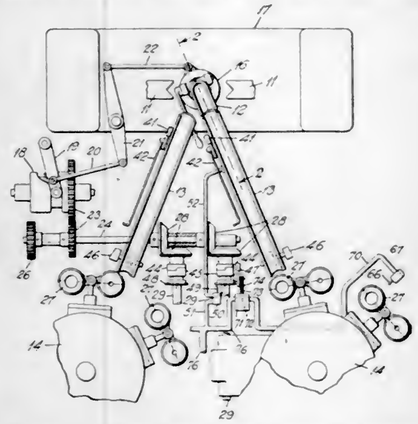
3. In a suspended track having an opening between the ends of rails forming members of the track, in combination with two part members, one of said parts of each of said two part members pivotally mounted adjacent to said ends of the rails and the other of said parts comprising a rail forming a track section adapted to bridge said opening and pivotally mounted intermediate of the ends thereof on said pivotally mounted part, abutments on said parts arranged to co-act to permit rotation of said track sections in one direction on the pivots thereof, and to prevent rotation in the other direction, and means to yieldingly maintain said two part members normally in vertical position with said opening not bridged thereby and to obstruct the rails approaching said opening.

1,466,366. EXPANSIBLE CORE. PAUL R. EAICH LEHMANN, Dayton, Ohio. Filed Nov. 29, 1921. Serial No. 518,654. 21 Claims. (Cl. 18—45.)



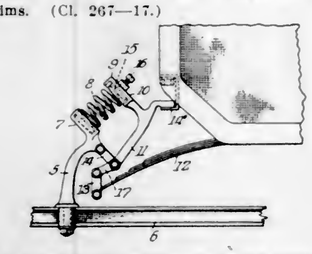
21. In an expansible core, a segmental casing shaped to fit within a tire and divided longitudinally along each side thereof between the tread and the bead of the tire, the inner section of said casing having rigid parts to fit between the beads of the tire, a spring connected with the inner and outer portions of said casing, a second spring connected with the side portions of the said casing, said springs being arranged to move the respective portions of said casing inwardly, and means to limit the inward movement of said portions of said casing, said casing having its inner surface provided with grooves to increase the flexibility thereof.

1,466,367. APPARATUS FOR OPERATING ON MOLTEN GLASS. EDWARD H. LORENZ, West Hartford, Conn., assignor to Hartford-Fairmont Company, Canajoharie, N. Y., a Corporation of New York. Filed Sept. 14, 1922. Serial No. 588,118. 23 Claims. (Cl. 49—5.)



22. The combination with a glass delivering apparatus adapted to deliver charges of molten glass to the molds of a shaping machine, of means for stopping the delivery of glass to the molds, a piston and cylinder for moving said means to stopping position, a clutch to connect the shaping machine with a source of power, a valve actuated by movement of the clutch to control the application of pressure to the cylinder, and means actuated by the abnormal operation of the shaping machine for moving the clutch to non-driving position.

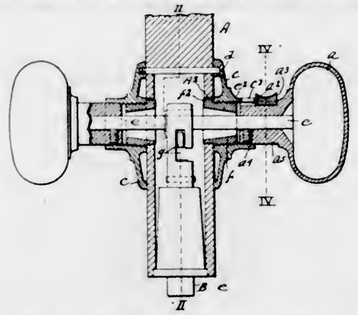
1,466,368. SHOCK ABSORBER FOR VEHICLES. EDWARD F. MCCARTHY, Chicago, Ill., assignor to The Ramo Manufacturing Company, Chicago, Ill., a Corporation of Illinois. Filed Oct. 10, 1921. Serial No. 506,579. 7 Claims. (Cl. 267—17.)



1. In a vehicle, the combination with a body member and a frame member, of means for resiliently supporting said body member on said frame member comprising, a leaf spring secured to one of said members, a lever fulcrumed intermediate its ends on the other of said members, the outer end of said lever being connected to the outer end of said spring and the inner end being directly supported in a yielding manner on the vehicle, and a spiral spring interposed between said other member and the portion of said lever between the fulcrum point and the inner end thereof.

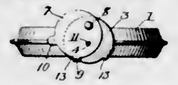
1,466,369. KNOB LOCK. JOHN MONTGOMERY, Toronto, Ontario, Canada. Filed Feb. 26, 1919. Serial No. 279,360. 3 Claims. (Cl. 292—356.)

1. In a device of the class described, the combination with a door having a transversely extending aperture in each surface thereof, said apertures being co-axial with each other, a screw threaded sleeve engaging in each of said apertures, an escutcheon upon each side of said door having internal screw threads engaging the screw threads of said sleeves, a spindle passing axially through said



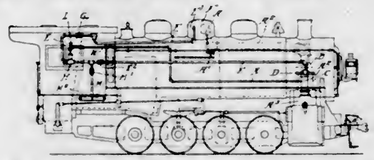
sleeves, the bores of said sleeves being large enough to permit sufficient clearance between said walls and said spindle, a knob fixed upon each end of said spindle and rotatably bearing in the adjacent escutcheon.

1,466,370. SPRAYING CONTAINER. HENRY N. MORAN and CHRISTY A. CELLEA, Woonsocket, R. I. Filed May 21, 1920. Serial No. 383,126. 1 Claim. (Cl. 299—90.)



A container for spraying liquids, comprising an integral neck, a screw threaded plug having a flanged head engaging the neck having a discharge opening passing therethrough, a pipe carried by the plug communicating with said passage and extending towards the bottom of the container, a closure plate pivoted to the top of the plug having an opening adapted to be moved into and out of registry with the passage in the plug, a peripheral recess formed in the flanged head of said plug and a lug carried by the closure plate working in said recess for limiting the movement of said plate on the plug in either direction.

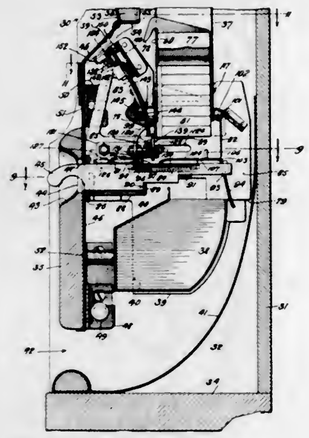
1,466,371. AUTOMATIC BLOWER FOR LOCOMOTIVES. FREDERICK A. GALE, Chicago, Ill. Filed Mar. 23, 1921. Serial No. 454,802. 3 Claims. (Cl. 110—150.)



1. In a forced draft attachment for locomotives, means for delivering steam in draft inducing relation to the fire of the locomotive, a pipe for supplying said steam, a throttle having connections for supplying steam to the locomotive, and a steam actuated valve in said pipe receiving steam released by the throttle; said valve having a cylinder which is subjected on one side to the pressure of steam which it controls, and on the other side to the pressure of steam released by the throttle; and means independent of the throttle released steam being provided on said side subjected to steam from the throttle for augmenting the pressure of the latter.

1,466,372. COIN-CONTROLLED VENDING MACHINE. HARVEY GILES, Brooklyn, N. Y., assignor to Artemas Ward, New York, N. Y. Filed Apr. 9, 1920. Serial No. 372,491. 17 Claims. (Cl. 194—80.)

2. In a coin-controlled vending machine having coin entrance slots, a vertical tray for holding columns of pieces of the merchandise to be sold and an exposed operating handle, in combination, a horizontally slidable carriage operable from said handle, means on said carriage for receiving and releasably supporting coins on edge and facing the lower pieces of merchandise in said columns and to be moved against and dislodge said pieces when the carriage is operated from said handle, means for retiring a lower support carried by the carriage from and thereby releasing said coins on the operation of the machine, and means to be engaged by said coins on a reverse action of said carriage before completing its full stroke for locking said carriage against reverse movement and comprising a platform over which said coins are moved and which has recesses to receive the lower edges of the coins and shoulders at the forward ends of said recesses to be engaged by the coins on such reverse action of the carriage.

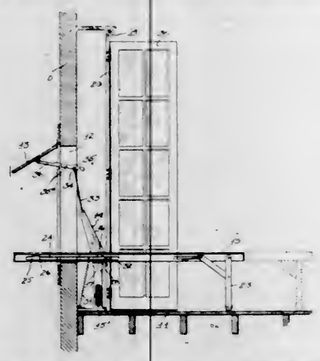


14. In a coin-controlled vending machine having coin entrance slots, a vertical tray for holding columns of pieces of the merchandise to be sold and an exposed operating handle, in combination, a horizontally slidable carriage operable from said handle, means on said carriage for releasably supporting coins on edge and facing the lower pieces of merchandise in said columns and to be moved against and dislodge said pieces when the carriage is operated from said handle, means for releasing said coins on the operation of the machine, and means for directing the coins from said slots to said coin supporting means and comprising a stationary downwardly inclined plate, a hinged downwardly inclined plate to cooperate with said stationary plate and adapted to swing downwardly into substantially vertical position when the machine is operated and means connected with said operating handle for restoring said hinged plate to its normal position at the conclusion of the operation of the machine and on the return of said handle to its normal position.

1,466,373. BED. LESLIE S. HACKNEY, Minneapolis, Minn. Filed Sept. 16, 1920. Serial No. 410,627. 8 Claims. (Cl. 5—10.)

1. A bed adapted to be folded vertically inside of a wall having an opening therein, also extended horizontally inside said wall or partially through said opening, said bed including head posts adjacent said opening, a frame, the side members thereof being formed with longitudinal slots, said slots being enlarged at the head of the frame to form beveled catches, a beam revolubly supported at its ends in said posts and passing through said slots, the forward edges of said beam being beveled, at its intersections with said frame members, to fit said beveled catches, an arm on

said beam, a counterbalancing spring stretched between said arm and post and serving to automatically engage



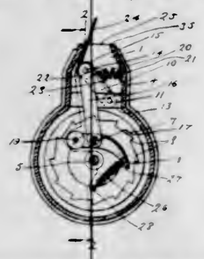
the tiltable beam with the catches in said slides at the head of the frame and folding legs at the foot of the frame.

1,466,374. TIRE-CHAIN-ATTACHING DEVICE AND CARRIER. JOHN P. HART, Los Angeles, Calif. Filed Jan. 24, 1921. Serial No. 439,663. 7 Claims. (Cl. 152—14.)



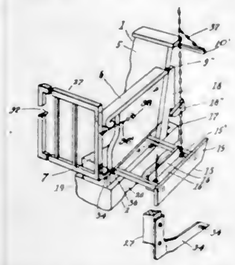
7. A device of the character described comprising a housing having an extension thereon, a guide member held in said extension, transversely spaced openings through said guide member, a central opening also through said guide member, and relatively narrow openings affording communicating between said central opening and said spaced openings for the purpose described, said housing being arranged for receiving and holding a tire chain whereby said chain may be fed through the openings in said guide member.

1,466,375. TROLLEY SAFETY CLUTCH. WILLIAM B. HASKINS, Independence, Mo. Filed Aug. 13, 1921. Serial No. 491,927. 2 Claims. (Cl. 191—95.)



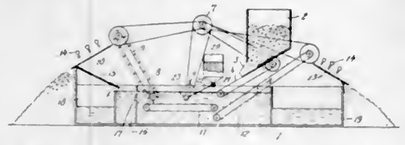
2. In a trolley rope safety clutch, a casing, a drum revolubly mounted within said casing, an annular flange on said drum, internal ratchet teeth rigid with said flange, said casing provided with a radially extending hollow portion open at the outer end thereof, a rope passing through said extending hollow portion and wound around said drum, a spring within said drum to wind said rope on said drum, an arm pivotally connected to said casing within said extending hollow portion, a ratchet pawl pivotally mounted in said casing adjacent said ratchet teeth and said arm and said ratchet pawl pivotally connected so that a sudden pull on said rope will operate said arm and engage said ratchet pawl with said ratchet teeth.

1,466,376. ARTICLE OF FURNITURE. VINCENT F. HRACHOVINA, St. Paul, Minn. Filed July 22, 1922. Serial No. 576,655. 9 Claims. (Cl. 155—66.)



1. In a davenport, in combination, a base section, a top section removably supported on said base section, said top section including a hollow seat portion, seat extension members mounted within the hollow of said seat to be slidable outwardly longitudinally thereof, each formed with an externally visible end cross member, there being one extension member for each end of said seat, said top member including a pair of hinged arms adapted to be swung outwardly to rest respectively upon said extension members when the latter are in extended position, the adjacent ends of said top and base section being constructed to permit each of said end cross members to be brought flush with the ends of said base and top section and engage throughout its length with the arm along its upper edge and with the base section along its lower edge to thereby prevent the arm from swinging outwardly.

1,466,377. METHOD AND APPARATUS FOR SEPARATING COKE AND ASH. PHILIP H. JUNG, Mount Union, Pa. Filed Nov. 8, 1919. Serial No. 336,689. 4 Claims. (Cl. 83—85.)

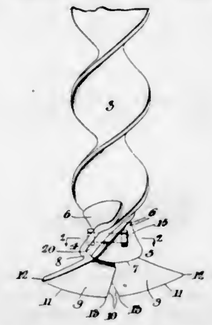


1. The method of separating ash from coke which consists in feeding the material to be treated into one end of a vessel containing a fluid medium consisting of a combined solution and suspension of a specific gravity approximately equal to that of the coke while maintaining the fluid in said vessel continuously flowing toward the other end of the vessel, removing the coke and ash from said fluid at different levels, treating the separated material with wash water to remove the fluid medium, returning the wash water to the vessel, thereby causing said vessel to overflow, and collecting the overflow from the vessel for the recovery of the non-aqueous components of the fluid.

1,466,378. BIT ATTACHMENT FOR AUGERS. FRED MCLAUGHLIN, Canton, Ill. Filed Apr. 18, 1921. Serial No. 462,238. 3 Claims. (Cl. 255—69.)

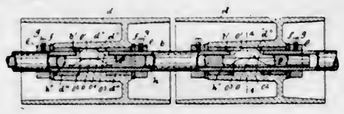
1. The combination with an auger having a flat bit end, of a two-part detachable bit comprising duplicate interchangeable members having securing wings fitting the spiral channel of the auger adjacent to said end, a shoulder in each of said members abutting against and

overlapping said end, cutting blades projecting from the shoulders and crossing each other under the said end,



the overlapping portion of the shoulder forming abutments for the said wings, and means for clamping the said auger end to and between said wings.

1,466,379. SELECTIVE PULLEY-CONTROL MECHANISM. ARTHUR C. MASON, Hawthorne, N. J. Filed Feb. 6, 1922. Serial No. 534,596. 2 Claims. (Cl. 192—48.)



1. In combination, an axial support, a pair of rotary members journaled in the support, separate devices for disconnectively connecting the respective members with the support, each device being shiftable from one to the other of positions for respectively connecting and leaving unconnected the support and said member, and means, including a controlling member movable from an intermediate position in either of two opposite directions, for shifting first one and then both of said devices into one of said positions on movement of the controlling member in each direction.

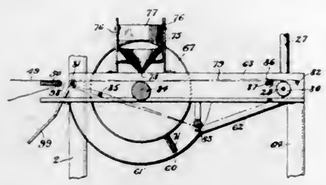
1,466,380. PROCESS OF COATING METAL FOIL WITH PARAFFIN, AND THE PRODUCT THEREOF. HARRY NUSBAUM and JOSEPH NUSBAUM, Philadelphia, Pa., assignors to P. E. Sharpless Company, Philadelphia, Pa., a Corporation of Pennsylvania. Filed Mar. 31, 1921. Serial No. 548,537. 5 Claims. (Cl. 91—68.)

2. The process of producing and causing to fixedly adhere to the surface of metal foil an odorless, transparent, and moisture and air-resisting coating, which consists in forming a compound in a suitable vessel, under applied melting heat, consisting of paraffin wax, a mineral oil derived from petroleum, purified resin, and natural beeswax, in substantially the proportions specified; then raising the temperature about 10 to 20° C. to increase the fluidity of the composition, and dipping therein the foil to be coated.

3. The new product described which is a metal foil coated with a composition consisting of paraffin wax, beeswax, purified resin, and a mineral oil, in substantially the proportions specified, and capable of flexure without substantially disturbing the fixed adherence of the coating to the foil.

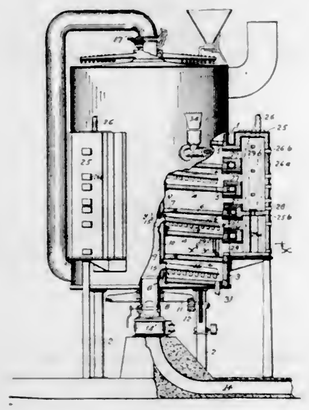
1,466,381. CONFECTIONERY-COATING MACHINE. CLYDE J. OYSTER, Alliance, Ohio. Filed Sept. 7, 1922. Serial No. 586,693. 4 Claims. (Cl. 91—3.)

1. A confectionery coating machine including a tank, a trough spaced above the tank and having a perforate bottom, means for raising liquid coating material from the tank and depositing the same in the trough, a conveyer composed of a plurality of separate chains and



arranged to carry articles to be coated beneath the trough and means for moving certain of the chains through a different plane from the remaining chains.

1,466,382. ORE-ROASTING FURNACE. ROBERT D. PIKE, San Francisco, Calif. Filed Apr. 13, 1921. Serial No. 460,979. 4 Claims. (Cl. 263—26.)

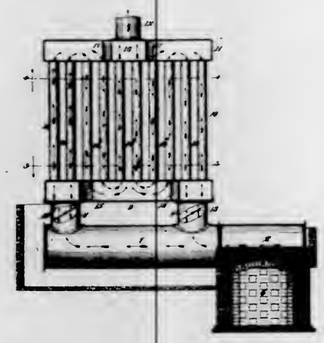


1. An apparatus for the described purpose, the same comprising an outer stationary insulated vertically disposed shell, a series of superposed horizontally disposed hearths arranged therein, each provided with outlets for the escape of material under treatment therefrom, mechanism associated with the hearths for propelling material thereover, a series of fire boxes situated outside of the shell and communicating with the interior thereof for injecting onto the combustion hearths thereof streams of combustion, devices for delivering from the outside of the furnace onto certain of the hearths therein a carbonaceous fuel medium for intermixing with the material under treatment, means for passing a cooling medium through the furnace, and connection for receiving said medium and returning the same into the furnace adjacent the bottom thereof for cooling purposes and delivering said cooling medium into the fire boxes for purposes of combustion.

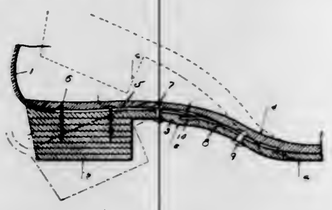
1,466,383. RADIATOR FOR DRYING APPARATUS. CLAUDE REES and CHARLES F. HINE, San Francisco, Calif. Filed Sept. 7, 1920. Serial No. 408,703. 6 Claims. (Cl. 257—176.)

4. A radiator structure for a drying apparatus, comprising an intake manifold and an outlet manifold in superposed, spaced relation, and a series of flues connecting the manifolds and grouped to form a circuitous

course back and forth between the manifolds, the successive groups in the course being of decreasing transverse area, the course including a succession of sections which decrease, respectively, in cross-area to the outlet.

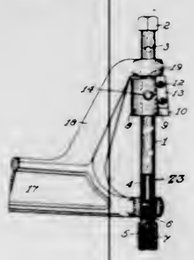


1,466,384. ARCH SUPPORT. WILL N. SECHLER, Fort Scott, Kans. Filed Apr. 24, 1922. Serial No. 556,163. 10 Claims. (Cl. 36—71.)



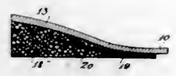
1. An arch support for shoes composed of a plurality of parts hingedly connected together, said parts being anchored and rigidly secured to a part of the shoe on each side of said hinge connection.

1,466,385. FACING TOOL. WALTER CLARK SHUMAKER, Orangeville, Ill. Filed Nov. 9, 1921. Serial No. 514,110. 1 Claim. (Cl. 77—58.)



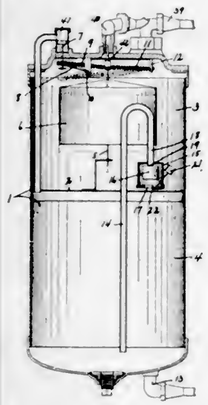
A facing-tool, comprising a rotatable shaft having one end threaded with a longitudinal key-way in said threaded part, a reversible bit secured removably and longitudinally adjustably upon said shaft, a washer removably and slidingly mounted upon said shaft and having a key-projection extending into said key-seat, and a socket-nut having one end exteriorly threaded, the socket thereof fitting the threaded end of said shaft; the exteriorly threaded end of the socket-nut when reversed being adapted to fit the interiorly-threaded hole of a supporting-body in alinement with and adjustably supporting the abutting end of said shaft to hold the bit thereon in adjusted engagement with the object to be faced.

1,466,386. ARCH SUPPORT. DAVID P. SMITH, Meriden, Conn. Filed June 27, 1922. Serial No. 571,274. 7 Claims. (Cl. 36—71.)



1. In a foot support adapted to be worn inside of a boot or shoe, an insole, an uncovered semicircular pad of sponge rubber cemented to the underface of said insole at the longitudinal arch, and an attaching strip secured to said pad and insole for holding said pad more firmly in position.

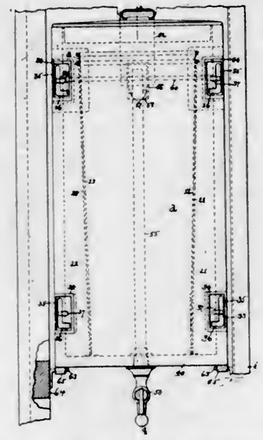
1,466,387. LIQUID-FEEDING DEVICE. WILLIAM SPARKS, Jackson, Mich., assignor, by mesne assignments, to Stewart-Warner Speedometer Corporation, Richmond, Va., a Corporation of Virginia. Filed Aug. 18, 1921. Serial No. 493,497. 3 Claims. (Cl. 158—36.)



1. In a device of the class described, an upper chamber and a lower chamber, means for alternating vacuum and atmospheric pressure in the upper chamber, a siphon tube connecting said chambers and having one leg terminating in the upper chamber and its other leg terminating in the lower chamber, a float valve controlling communication of said siphon with the upper chamber, and means for holding said float-valve open when the level of liquid in the upper chamber is below a predetermined point.

1,466,388. COOLER FOR LIQUIDS. HERBERT J. WILLMOTT, Cambridge, Mass., assignor to Peter Gray & Sons Inc., Cambridge, Mass., a Corporation of Massachusetts. Filed May 31, 1922. Serial No. 564,989. 6 Claims. (Cl. 62—192.)

1. In a cooler of the character described, in combination, an ice container having a main compartment and side compartments extended from said main compartment and forming between them a recess or well open at its front, a water container insertable into and removable from said recess or well through the open front thereof, and means on the ice compartment co-operating with the front wall of the water container for retaining the latter in said recess or well and for compelling the water con-



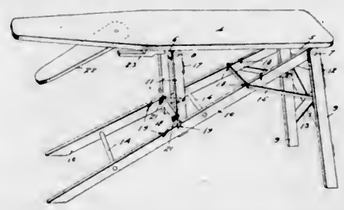
tainer to be moved in directions substantially at right angles to each other in order to insert and remove it into and from said recess or well.

1,466,389. HEATER OR VAPORIZER. IRVING E. ASKE, Duluth, Minn. Filed May 17, 1921. Serial No. 470,383. 1 Claim. (Cl. 219—38.)



As a new article of manufacture a heating element comprising a frame of insulating material having an aperture formed therethrough for the passage of fluid, of a wire wound upon said frame, some of the turns of said wire extending across said aperture, an electric conductor extending across and in contact with a plurality of the turns of said wire near one end of said frame, and a second electric conductor extending across and in contact with a plurality of the turns of said wire near the opposite end of said frame.

1,466,390. IRONING BOARD. CHARLES DANIELSON, Minneapolis, Minn. Filed May 17, 1921. Serial No. 470,288. 6 Claims. (Cl. 68—10.)



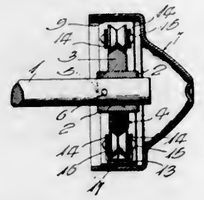
1. An ironing board having four legs pivoted in pairs at the same end of the ironing board, one pair of said legs being extended obliquely under the ironing board, and a leg bracket pivoted to the ironing board and having an angularly adjustable blade engaged with said obliquely extended legs.

1,466,391. SMOOTHING SHEET. SIDNEY E. ESKEW and LEWIS HARRIS, Benton, Ill. Filed Jan. 8, 1923. Serial No. 611,436. 1 Claim. (Cl. 29—78.)



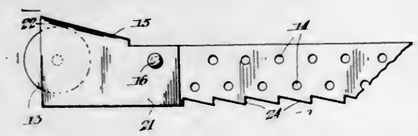
An abrasive sheet of slightly flexible metal but of a sufficiently brittle nature to permit breaking into pieces of desired size, the sheet being formed on one face with a roughened surface.

1,466,392. TIMER. LEWIS LLEWELLYN EVANS, Bridgeport, Conn., assignor of one-half to Gerald M. Hart, Wilkes-Barre, Pa. Filed Feb. 2, 1920. Serial No. 355,830. 2 Claims. (Cl. 200—24.)



2. A device of the character described, comprising a casing having an open end adapted to be mounted against an engine, a timer shaft extending into said casing and spaced from the wall thereof, a wheel fixedly mounted upon said timer shaft, said wheel having a V-shaped periphery and a conducting portion extending from the periphery to its hub, contact arms upon said casing, spaced ears formed at the free ends of said arms, and roller contacts rotatably mounted between said ears to have limited movement in a direction parallel with the direction of length of said timer shaft, said roller contacts provided with V-shaped peripheries adapted to engage the corresponding V-shaped periphery of said wheel, whereby any longitudinal shifting of said timer shaft and wheel can be compensated for by a slight shifting of said roller contacts between said ears.

1,466,393. EMERY-WHEEL DRESSING TOOL. ALFRED HARGREAVES FINLAYSON, Brockville, Ontario, Canada. Filed Jan. 16, 1922. Serial No. 529,641. 3 Claims. (Cl. 125—37.)

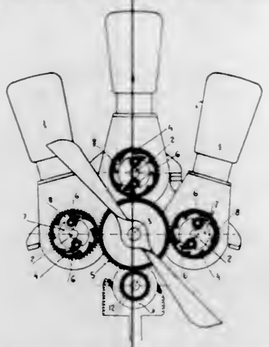


3. The combination with a two piece handle with side orifices, and notches therein, and a rotary dressing member, of a securing member designed to slide on said handle, and means for adjustably securing said member to the handle.

1,466,394. PROPULSION OF AIRCRAFT. GUIDO FORNACA, Turin, Italy. Filed May 24, 1921. Serial No. 472,303. 3 Claims. (Cl. 74—7.)

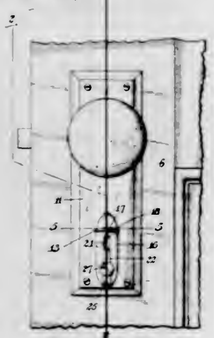
1. The combination with a driven shaft, of a multiple motor comprising a plurality of independent motors disposed side by side and slightly inclined with respect to each other, said motors having shafts of equal length and

terminating in the same transverse plane at equal distances from the axis of the driven shaft, the intermediate



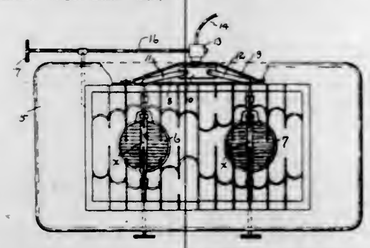
motor being supported by the laterally arranged adjacent motors, and supporting members carried by the end motors forming base supports for the multiple motor.

1,466,395. KEY GUARD. CLAUDE F. FOWLER, Buffalo, N. Y. Filed Mar. 13, 1922. Serial No. 543,184. 11 Claims. (Cl. 70—65.)



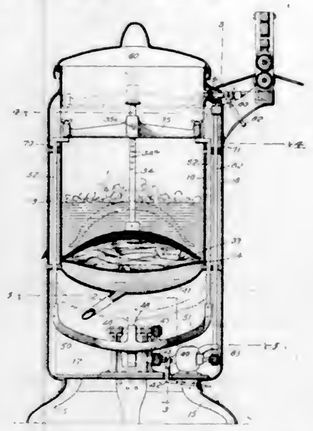
1. A key guard comprising a flat key-engaging member having a key slot extending inwardly from one edge and a shoulder in said key slot between which and the inner end of said slot the shank of a key is adapted to be retained, and means on said key-engaging member for connection with the escutcheon of a door for retaining said key-engaging member in engagement with the shank of a key in the door.

1,466,396. GASOLINE STOVE. ALFIO GRASSO, Omaha, Nebr. Filed Nov. 3, 1921. Serial No. 512,693. 1 Claim. (Cl. 158—36.)



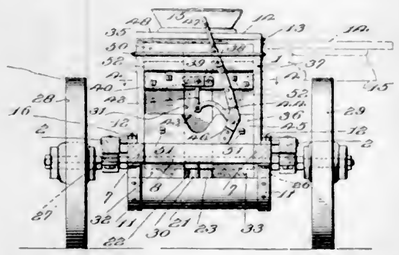
The combination with the burners of a gasoline stove, of a housing having a wall secured to the upright wall of the stove, a tank within and supported by the wall of the housing, an oil supply pipe communicating with the tank, a plurality of housing tubes secured to and in non-communicating relation with the burners and communicating with the tank, a plurality of attenuated tubes each being loosely disposed in a housing tube and communicating with the tank and a burner, and means on the supply pipe to control a movement of oil to said tank.

1,466,397. WASHING MACHINE. ALEXANDER GRAYDON, Berkeley, Calif. Filed Jan. 27, 1920. Serial No. 354,412. 18 Claims. (Cl. 68—19.)



1. In a washing machine, the combination of a casing having therein a washing receptacle that opens through the top of the casing, a partition in said casing forming a bottom for said receptacle, a cover for closing the washing receptacle, a reciprocable agitator supported within said receptacle, a motor and power transmitting devices for actuating said agitator arranged entirely within said casing and located below said partition, and connections between said power devices and said agitator located entirely within the casing.

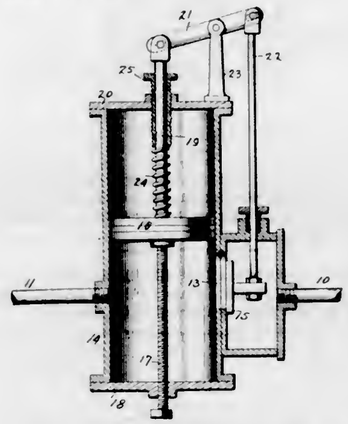
1,466,398. FERTILIZER DISTRIBUTOR. THOMAS F. HOLADIA, Columbia, N. C., assignor of one-half to James G. Brickhouse, Columbia, N. C. Filed June 7, 1922. Serial No. 566,670. 10 Claims. (Cl. 221—130.)



1. In a fertilizer distributor, the combination with a hopper having a rear discharge opening, means for forcing fertilizing material through and out of said opening, and means including a plurality of vertically movable slides for regulating the quantity of material discharged, some of said slides being operable together and at least one of said slides being capable of operation independently of the other of said slides.

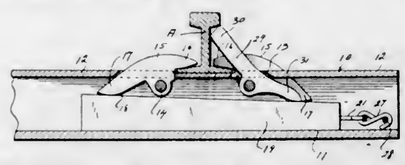
10. A fertilizer distributor comprising a hopper having an open upper end, a hinged cover for said upper end, side walls, a front wall, a bottom wall having adjacent inclined and curved portions, means arranged in said curved portion for ejecting the fertilizing material, a movable slide member contacting the upper edge of said curved portion, and means for moving said slide member away from said curved portion to provide a discharge opening adjacent the curved bottom portion of the hopper.

1,466,399. GOVERNOR FOR FLUID-PRESSURE MECHANISMS. RAY HUDSON, Walnut Ridge, Ark., RICHARD W. HUDSON and FRANK N. HUDSON, Poplar Bluff, Mo. Filed May 27, 1920. Serial No. 384,749. 4 Claims. (Cl. 137—153.)



1. In means for controlling the application of power to a member interposed between a motor and the mechanism to be actuated by the motor, the combination of a power device for actuating said member, a source of maximum power under manual control, manual control means capable of releasing the maximum power to the motor-actuated mechanism, and automatic means in the path of power from such source to said power device so constructed when power is initially obtained from such source to deliver substantially less than the maximum power to said device and incapable of acting to deliver initially more than substantially less than the maximum power and thereafter gradually to increase the rate of delivery of power to said device.

1,466,400. RAIL FASTENER. SWAN JOHNSON, Richwood, W. Va., assignor of one-half to Julia Erlandson, Richwood, W. Va. Filed Dec. 6, 1922. Serial No. 605,190. 7 Claims. (Cl. 238—349.)

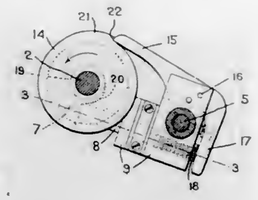


1. A hollow railway tie, a longitudinally movable wedge mounted therein, resilient means urging the wedge in one direction, and rail clamps mounted upon the tie and engaged by said wedge and urged into clamping position by a movement of the wedge in its urged direction.

1,466,401. PROCESS OF MAKING CELLULOSE ACETATE. JOHANNES M. KESSLER, West Orange, and VIRGIL B. SEASE, Newark, N. J., assignors to E. I. du Pont de Nemours & Company, Wilmington, Del., a Corporation of Delaware. Filed May 14, 1919. Serial No. 297,166. 13 Claims. (Cl. 260—101.)

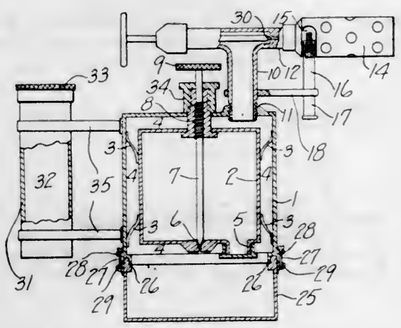
3. The process of producing cellulose acetate which comprises forcing a liquid comprising acetic acid and acetic anhydride through cellulose maintained under such pressure that saturation of the cellulose is effected with substantially the amount of said liquid which it is desired to have the cellulose retain, and then subjecting the thus impregnated cellulose to acetylation.

1,466,402. STOP MOTION. JOHN KIEWICZ, Boston, Mass., assignor to The Reece Button Hole Machine Company, Boston, Mass., a Corporation of Maine. Filed Aug. 8, 1922. Serial No. 580,572. 6 Claims. (Cl. 192—149.)



6. In a stop motion, the combination with a driving shaft of a driving element therefor, a control member for connecting said driving element to or disconnecting it from said shaft, a brake drum fast on the shaft and having an eccentric portion, a block secured to the control member, a brake arm pivoted to the block and adapted to engage the brake drum just before the machine is brought to rest, and a spring acting on the brake arm and providing a yieldingly frictional engagement between said arm and the brake drum.

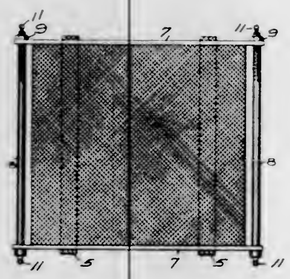
1,466,403. CARBIDE SOLDERING TORCH. FRED C. KNAPP, Rahway, N. J. Filed June 22, 1922. Serial No. 570,120. 5 Claims. (Cl. 158—33.)



1. An acetylene soldering torch, comprising a casing closed at top and open at bottom; a blast tube and valve on the casing and communicating interiorly therewith, the tube having a transverse slot through its under side; a flint lighter supported from the casing and including a tube having a forked end extended within the slot, a

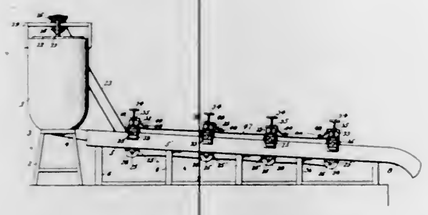
serrated wheel journaled in the forked end of the tube and a flint supported in the tube against the serrated wheel: a substantially smaller water tank bracketed within the outer casing, and thus forming surrounding gas passages, said tank having a filling port and an outlet valve in its under side; a threaded sleeve mounted through the top ends of the inner tank and outer casing; a valve stem controlling the outlet valve in the water tank and passing up through the sleeve and being threaded for engagement therewith; a carbide tank open at top and detachably mounted to the under side of the casing; and a hollow handle attached to the casing, said handle having a removable cap.

1,466,404. AUTOMOBILE RADIATOR ASSEMBLY RACK. GEORGE H. LOBER, Toledo, Ohio, assignor to The Lober Radiator & Manufacturing Company, Toledo, Ohio, a Corporation of Ohio. Filed Apr. 29, 1921, Serial No. 465,578. Renewed July 21, 1923. 2 Claims. (Cl. 113—59.)



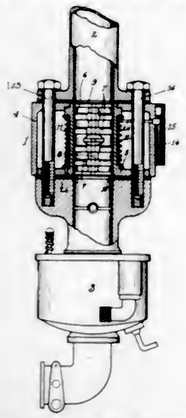
1. In an assembling device for automobile radiators formed of a plurality of sheet metal strips having corrugated edge portions, a board having a pair of channels, a pair of removable strips located in the channels and having edge portions protruding from the board, the edge portion of the strips being provided with a plurality of channels of corrugated shape and conforming to the corrugations of the edge portions of the sheet metal strips and intercommunicating at the apices of the corrugations of the channels to place the strips into contact at the said points and the points intermediate the said strips.

1,466,405. BAR COAL. WILLIAM F. MCDEVITT, South Dorset, Vt. Filed Dec. 30, 1921. Serial No. 525,952. 7 Claims. (Cl. 44—2.)



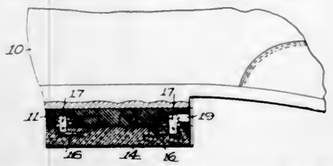
1. An artificial fuel manufacturing machine comprising a trough, means mounted on said trough for compressing the material delivered thereto into sheet form, means mounted on the trough for cutting the sheets into strips, means mounted on the trough for cutting the strips into blocks previous to the discharge of the material from the trough, and operating mechanism for said mentioned means.

1,466,406. PREHEATER AND MIXER. JACK B. MACDONALD, Oakland, Calif. Filed Jan. 23, 1922. Serial No. 531,030. 4 Claims. (Cl. 219—38.)



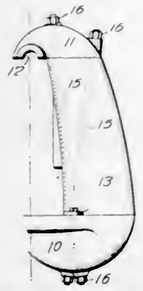
1. A preheater and gas mixer comprising an outer casting, an inner casting having a central bore, means for heating said inner casting, and rotatable agitating means in said bore.

1,466,407. DETACHABLE RUBBER HEEL. WILLIAM A. MALONEY, Newton, Mass. Filed June 15, 1921. Serial No. 477,812. 4 Claims. (Cl. 36—36.)



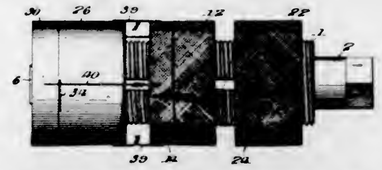
1. In a shoe, a heel lift and a rubber heel detachably secured thereto, said lift having a plurality of recesses bordered by rigid members and said heel having integral projections corresponding in size and position to said recesses and having upwardly extending toothed plates associated with said projections and effective to engage said rigid members and to secure the heel in position each projection cooperating with its associated plate to hold the same in locking engagement with one of said rigid members.

1,466,408. PRESS. LUTHER C. MEYERS, Bridgeton, N. J. Filed Sept. 27, 1922. Serial No. 590,839. 3 Claims. (Cl. 164—86.)



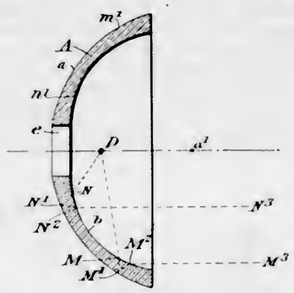
1. A press frame for open throated presses comprising base, head and body members made of separate pieces, and a pair of tie rods, at either side of the press extending through and joining said pieces, said tie rods being situated in rear of the line of thrust between head and base members and forward of the fulcrum point upon which said connected members tend to rock and each tie rod extending in a straight line from the base to head members, each of such rods at both extremities being separate from the other and each having at such point member engaging securing means.

1,466,409. PIPE-END-FINISHING TOOL. HACKLEY MORRISON, Richmond, Va. Filed Dec. 15, 1920. Serial No. 430,866. 27 Claims. (Cl. 77—73.)



1. A tool of the type described comprising an elongated body, a plurality of longitudinally extending independently adjustable blades carried by said body, means for independently adjusting said blades, and an additional cutter comprising a plurality of integrally united cutting elements mounted on the end of said body, said cutter being removable as a unit from said body and blades.

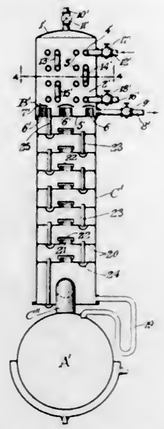
1,466,410. REFLECTOR. EMILIO PASCUCCI, Corning, N. Y., assignor to Corning Glass Works, Corning, N. Y., a Corporation of New York. Filed Nov. 29, 1920. Serial No. 427,095. 2 Claims. (Cl. 240—41.)



1. The combination of a katadioptric light projecting element having a convex reflecting rear face and a concave refracting front face, such faces being so shaped that the element gradually thickens radially on both sides of a circle intermediate of its principal axis and its periphery, with a light source located substantially at the principal focal point of that part of the reflecting face corresponding to such circle.

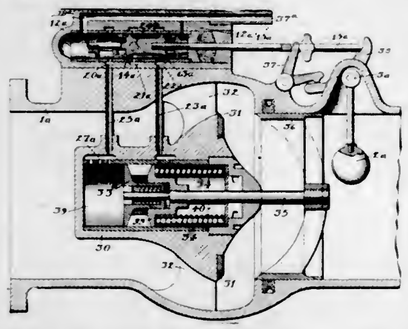
1,466,411. DISTILLATION APPARATUS. WILLIAM A. PETERS, Jr., Wilmington, Del., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a Corporation of Delaware. Filed July 17, 1920. Serial No 396,937. 3 Claims. (Cl. 260—173.)

1. In a distillation apparatus for the distillation, and condensation to liquid phase without freezing, of substances having relatively high freezing points, and providing for the use of a cooling medium at relatively low temperature; in combination, a still, an upright condenser having a condensate collector arranged at its lower portion, and means located vertically above said collector for the circulation of said cooling medium, whereby condensate can fall to said collector from the cooled portion of said condenser, means connecting and relatively closely associating said still and condenser and arranged for the introduction of vapors from said still adjacent and in heating relation to said collector and in position to pass upward in the condenser, whereby the



hot vapors from said still can heat and maintain in liquid phase the condensate at said collector, that falling from the cooled portion of said condenser, and that collecting in such portion, and means for withdrawing from the collector the liquid condensate upon said collector.

1,466,412. AUTOMATIC HYDRAULIC APPARATUS. PIERRE SAMAIN, Cusy, Haute-Savoie, France. Filed May 22, 1919. Serial No. 298,997. 6 Claims. (Cl. 137—139.) (Granted under the provisions of the act of Mar. 3, 1921, 41 Stat. L., 1313.)

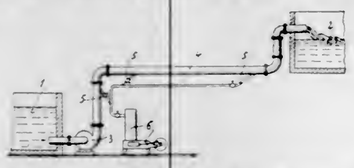


1. The combination with a conduit, of a closure disposed therein, said closure consisting of a tubular valve, a piston for controlling the valve, springs normally engaging the piston to force the latter into its closing position, hydrostatic means for moving the piston in either direction, and a pendulum disposed within the conduit for controlling said hydrostatic means when the pendulum is moved in either direction.

1,466,413. METHOD AND ARRANGEMENT FOR CONVEYING WOOD PULP. PEDER CHRISTIAN SCHAANNING, Vestre Holmen, n/Christiania, Norway. Filed Feb. 3, 1922. Serial No. 533,821. 1 Claim. (Cl. 302—14.)

The method of conveying a mixture of water and wood pulp from one vessel to another which comprises forcing

the mixture into a closed conduit connecting the two vessels, and maintaining a bubbling of the mixture by



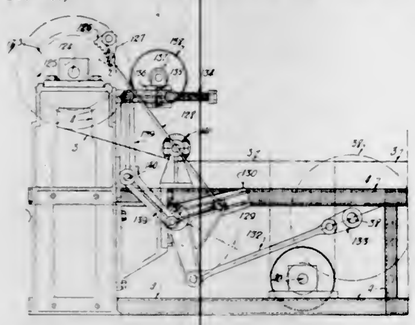
introducing air into the conduit at the bottom of the mixture and in substantially the same direction as the flow of the mixture.

1,466,414. TORQUE SHOCK ABSORBER. CHARLES A. TABER, Oakland, Calif. Filed Jan. 21, 1920. Serial No. 353,007. 1 Claim. (Cl. 64—100.)



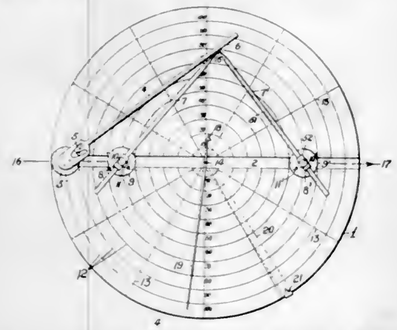
A torque shock absorber between a drive shaft and a driven shaft, a tubular hollow section integral with one shaft, the other shaft extending into said hollow section and a journal therefor in the inner end of the hollow section, a slidable head splined on said other shaft and in threaded engagement with said hollow section, a head screwed into the outer end of said hollow section, a tubular bearing screwed into and extending beyond and through said head, said other shaft being journaled in said bearing, the bearing and the journal serving to retain the two shafts in alignment and to relieve lateral pressure on the slidable head, a shoulder formed on said other shaft engaging the inner end of said bearing, so that relative longitudinal movement will be prevented and a spring interposed in said hollow section, one end of the spring pressing against the slidable head, the other end of the spring pressing against the head and lying between the bearing and the inner surface of the hollow section, the outer surface of the spring contacting with the inner surface of the tubular section as and for the purpose described.

1,466,415. MACHINE FOR MAKING WIRE FABRIC. JOHN WILLIAM TAYLOR, Pendleton, England. Filed Jan. 21, 1922. Serial No. 530,930. 12 Claims. (Cl. 140—5.)



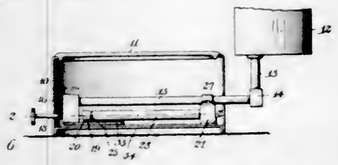
1. A machine for use in the manufacture of wire fabric of the kind composed of longitudinal wires or rods and transverse binder wires helically twisted together and across the longitudinal wires or rods, comprising a series of rotary gear disks or wheels having slots extending from the periphery of the wheel to a point slightly beyond the center of the wheel, said wheels being spaced apart and arranged between the longitudinal wires of the intended fabric, means for carrying or placing binder wires lying above and below the longitudinal wires laterally into the slots of the said slotted disks or wheels, and means for intermittently rotating said wheels and holding them when stationary with their slots horizontal and facing the direction from which the binder wires are delivered to them, substantially as herein set forth.

1,466,416. WIND VELOCITY AND GROUND SPEED INDICATOR. OMAR B. WHITAKER, Brooklyn, N. Y., assignor to The Sperry Gyroscope Company, Brooklyn, N. Y., a Corporation of New York. Filed May 17, 1918. Serial No. 235,092. 7 Claims. (Cl. 33—98.)



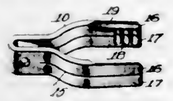
1. Apparatus for determining the velocity of the wind on an aircraft, comprising a base member provided with graduations for indicating wind velocity, a rectilinear slideway therein and means comprising a plurality of rotatable members rectilinearly movable in said slideway, and adapted to be set in accordance with the air speed and drift of the aircraft for cooperating with said graduations to indicate the wind velocity.

1,466,417. APPLIANCE FOR PRODUCING AND BURNING ALCOHOL GAS. CHARLES E. ADAMSON, Huntington, Ind. Filed July 20, 1921. Serial No. 486,298. 3 Claims. (Cl. 158—65.)



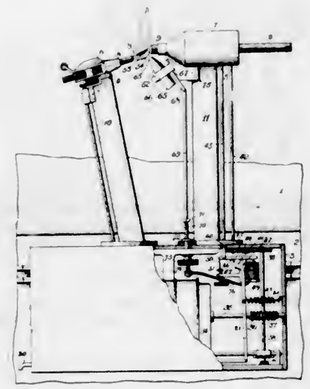
1. A device for converting alcohol into gas, comprising a tube having an inlet at one end and a controlled outlet at its other end, and coils fitting within said tube and arranged successively from the inlet toward the outlet thereof, alternate coils being provided with filler elements.

1,466,418. SHUTTLE SPRING. WILLIAM A. BASHAW, Wilkinsonville, Mass. Filed Aug. 13, 1921. Serial No. 492,090. 2 Claims. (Cl. 139—207.)



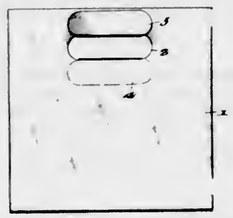
1. As an article of manufacture, a shuttle spring having its bobbin engaging jaws formed in separately yieldable portions by relatively narrow slits extending inwardly from the outer ends of said jaws.

1,466,419. MEANS FOR MAINTAINING THE FOCUS OF ARC PROJECTORS. PRESTON R. BASSETT, Brooklyn, N. Y., assignor to The Sperry Gyroscope Company, Brooklyn, N. Y., a Corporation of New York. Filed Oct. 15, 1918. Serial No. 258,255. 13 Claims. (Cl. 176—51.)



1. In an arc lamp, a pair of electrodes adapted to produce an arc, means for feeding one of said electrodes independently of the other, a third electrode adjacent the arc tips of said electrodes, and means controlled by the current passing through said third electrode for controlling said feeding means.

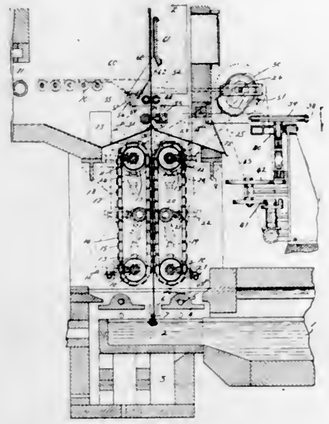
1,466,420. ENVELOPE. JOHN W. BUNKER and ASHTON M. BONEY, New York, N. Y., assignors to Service Bag Co. Inc., New York, N. Y., a Corporation of New York. Filed Feb. 26, 1921. Serial No. 448,178. 1 Claim. (Cl. 229—54.)



An article of the character described including a bag having correspondingly shaped registering slots cut in the front and back and wholly within the body of the bag, the entire cut-out portion forming the slots left integral at the opposite edges of the slots in the front and back of the bag, forming tongues which are adapted to be bent in opposite directions through the opposite slot and folded back against the body portion to fasten the bag in closed position at both of the opposite edges of the slots and leaving a handle for the fingers of the person carrying the bag.

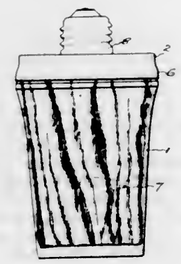
1,466,421. SHEET-GLASS DRAWING AND DELIVERING MECHANISM. INGLE B. BUSARD, Charleston, W. Va., assignor to The Libbey-Owens Sheet Glass Company, Charleston, W. Va., a Corporation. Filed Jan. 9, 1919. Serial No. 270,323. 10 Claims. (Cl. 49—3.)

1. In an apparatus for drawing sheet glass, means for drawing a sheet of glass vertically, a horizontal leer conveyor, means for scoring the continuously advancing sheet at spaced intervals, a clamping plate movable against one face of the sheet to break off the section at the score, a supporting frame against which the severed sheet section is clamped by the clamping plate, means for successively moving the clamping plate against the sheet, swinging the plate, sheet section and frame into a horizontal plane, and quickly returning the clamping plate to its vertical position, the carrier frame remaining in horizontal position until it has delivered the sheet section to the leer conveyor, then returning to receive the next sheet section.



10. In combination, means for drawing sheet glass and means for scoring the sheet at right-angles to its length as it is being drawn comprising an endless carrier, a scoring device carried thereby, means for intermittently driving said carrier, and means for guiding said endless carrier obliquely across the face of the moving sheet, the inclination of said guiding means being adjustable to conform to the speed at which the sheet is drawn.

1,466,422. COMMODITY-ADVERTISING DEVICE. CHARLES S. CLARK, New York, N. Y. Filed Mar. 10, 1923. Serial No. 624,189. 2 Claims. (Cl. 40—126.)



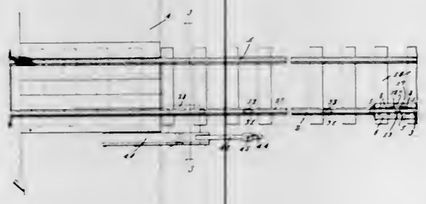
1. A device for advertising commodities which comprises a glass jar, a lining fitted within the jar, said lining being ornamented to picture a contained mass of food, a metallic cap fitted upon and closing the jar, and an incandescent electric lamp attached to and supported by the cap with the globe of the lamp inside of the lining and the threaded shell outside of the cap.

1,466,423. PRIMARY CUT-OUT. NICHOLAS J. CONRAD, Chicago, Ill. Filed Mar. 7, 1919. Serial No. 281,215. 23 Claims. (Cl. 200—117.)



18. In a device of the class described, a sleeve open at both ends, and a fuse plug insertable in one end, said plug having a cap arranged to be blown out of the other end of said sleeve when the fuse blows.

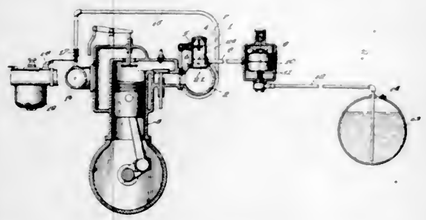
1,466,424. SIGNAL. JAY COOK, Coldwater, Mich. Filed June 8, 1923. Serial No. 644,194. 3 Claims. (Cl. 246—293.)



1. In a device of the class described, a track rail, a casing and a standard spaced longitudinally of the rail, a tubular shield extended between the casing and the standard, a plunger slidable in the casing and comprising a head disposed adjacent to the rail for engagement by a wheel moving along the rail, an operating member slidable in the shield, a bell crank lever fulcrumed on the casing and forming a connection between the operating member and the plunger, a shaft mounted to rock in the standard, a pitman movable longitudinally in the standard, arms carried by the shaft and connected, respectively with the pitman and with the operating member, and a signal arm fulcrumed on the standard, the pitman being connected with the signal arm.

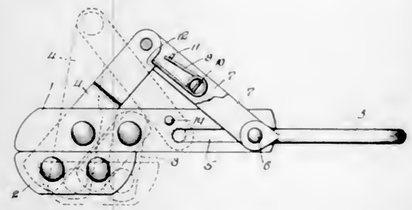
1,466,425. AUTOMATIC VAPOR FEED FOR HYDROCARBON MOTORS. IRVING COWLES, Chicago, Ill. Filed June 1, 1915. Serial No. 31,583. 11 Claims. (Cl. 123—25.)

1. In an internal combustion engine, a steam generator, and connection between the engine intake and said generator whereby the vacuum within the former during operation of the same is communicated to said generator for drawing steam or vapor only from the latter into said in-



take, said connection including means for preventing feed of fluid from said generator to said intake as the vacuum in the latter is broken by stoppage of the engine.

1,466,426. WIRE GRIP. CASPER H. DICKE, Downers Grove, Ill. Filed Feb. 24, 1922. Serial No. 538,890. 5 Claims. (Cl. 24—134.)

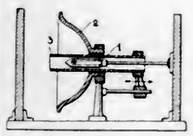


1. A wire grip having a pair of relatively movable jaws for clamping a wire between them, a draft device for attachment to tensioning tackle and associated with the jaws to cause the same to clamp the wire, and a ball for frictionally holding the jaws in non-clamping position.

1,466,427. ACOUSTICAL DIAPHRAGM. WILLIAM H. DRUMMOND, Belleville, N. J., assignor of one-half to Elwood Jones, Nutley, N. J. Filed Oct. 30, 1917. Serial No. 199,227. 10 Claims. (Cl. 154—43.)

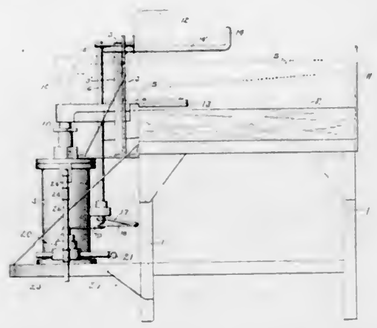
1. A diaphragm for sound boxes composed of superposed washed natural films of vegetable growth.

1,466,428. MULTICOLOR-LIGHT-EMITTING LAMP. CHARLES DÜRRIGL, Vienna, Austria. Filed Aug. 27, 1921. Serial No. 496,055. 2 Claims. (Cl. 40—132.)



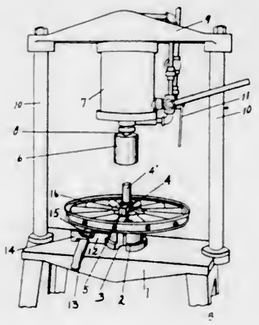
1. In an advertising device, the combination with a reflector, of a body adapted to emit light and located in the optical axis of the reflector, a multicolored transparent screen surrounding such light emitting body and automatically operating means for continuously reciprocating such screen relatively to the reflector in the direction of the optical axis thereof.

1,466,429. PORK HOLDING AND SPLITTING DEVICE. CLARENCE FLICK, East St. Louis, Ill., assignor to Swift & Company, Chicago, Ill., a Corporation of Illinois. Filed May 22, 1922. Serial No. 562,807. 2 Claims. (Cl. 17—1.)



1. A machine of the character described including a table to receive in succession the sides to be treated, in combination with a power actuated knife and vise adapted and arranged to cleave away the fat back and to hold the belly or bacon part securely for manual trimming.

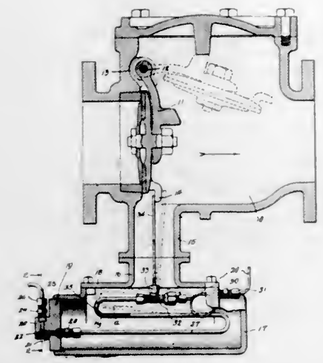
1,466,430. SPOKE-INSERTING MACHINE. HENRY FLICK, Jackson, Mich., assignor to Hayes Wheel Company, Jackson, Mich. Filed Oct. 4, 1921. Serial No. 505,247. 4 Claims. (Cl. 157—1.)



1. The combination of a suitable base, an anvil block thereon with a central bore and a radially disposed wedge-shaped opening corresponding to a simple spoke miter, a plug with an upwardly projecting shank and adapted to fit the said bore and of such dimensions as to fit the center of a spoke wheel, a wedge-shaped radially disposed block carried by the said plug corresponding to the miter of a spoke, an air cylinder, a ram carried thereby fitted to the shank of said plug, and a removable stop for supporting the said plug in the said anvil, coacting as specified.

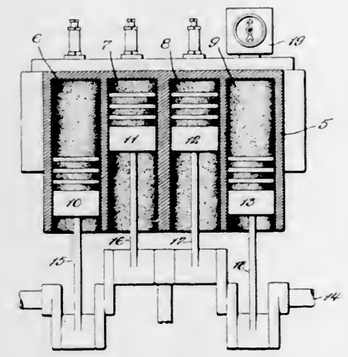
1,466,431. ALARM SWITCH. PATRICK A. FRIEL, Bayonne, N. J. Filed Sept. 24, 1921. Serial No. 502,855. 5 Claims. (Cl. 200—152.)

1. In automatic switch mechahism for sprinkler systems or the like, a water tight casing, a flexible tube within the casing, the tube being bent upon itself and filled with a movable contact medium normally up to the bend, a pair of spaced contacts associated with but normally spaced from said contact medium, and means acting upon



the tube to so change its position as to cause the level of the contact medium to move downward relatively from its normal position at the bend and thereby cause the circuit to be closed through said normally spaced contacts.

1,466,432. METHOD OF TREATING PISTONS, PISTON RINGS, AND CYLINDERS. OSCAR W. GERLEMAN, St. Louis, Mo. Original application filed Dec. 7, 1921, Serial No. 520,537. Divided and this application filed Nov. 29, 1922. Serial No. 603,946. 2 Claims. (Cl. 74—109.)

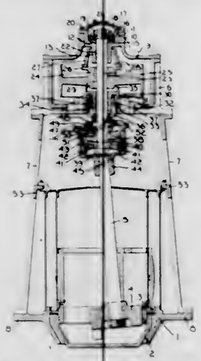


1. As an article of manufacture, a piston ring having the lateral surface coated with graphite held in suspension by a binder.

1,466,433. GRINDING MILL. WILLIAM A. GIBSON and CHARLES E. NEEDHAM, Allentown, Pa., assignors to Bradley Pulverizer Company, Boston, Mass., a Corporation of Maine. Filed Nov. 16, 1921. Serial No. 515,510. 12 Claims. (Cl. 64—98.)

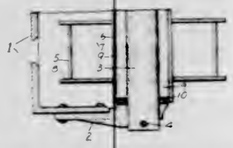
1. In a grinding mill of the class described comprising an overhead driving shaft, a cross head forming a part

of a universal coupling fixedly secured to said driving shaft, a complementary universal coupling member en-



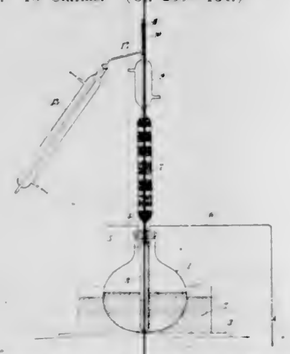
gaging said cross head, and a depending shaft carried by said complementary universal coupling member.

1,466,434. WHEEL STRUCTURE FOR DRY-KILN TRUCKS. HERBERT B. GILLETTE, Grand Rapids, Mich. Filed Sept. 23, 1921. Serial No. 502,774. 3 Claims. (Cl. 301—62.)



1. The combination in a dry kiln truck wheel structure, of retaining bearing brackets with thrust bearings on the surfaces therebetween, a suitable axle disposed between the said bracket means and secured thereto, a carrying wheel having a sheet metal hub and a sheet metal cylindrical body provided with disk-like sides welded together, bearing rollers superposed between the axle and the inner wall of said hub, and retaining washers at each end of said hub with extended lugs disposed in notches in the said hub and coacting with the said thrust bearing surfaces of the brackets, as specified.

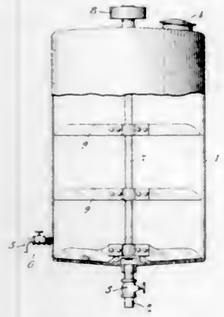
1,466,435. PROCESS OF DEHYDRATING ORGANIC LIQUIDS. JOHN A. S. HAMMOND, Woodlawn, Md., assignor to U. S. Industrial Alcohol Co., a Corporation of West Virginia. Filed Dec. 29, 1921. Serial No. 525,797. 13 Claims. (Cl. 260—151.)



4. The process of dehydrating an organic liquid comprising treating it with a dehydrating agent to remove most of the water contained therein, and thereafter giving it a final treatment with a sufficient quantity of a strictly anhydrous dehydrating agent to remove the last traces of water.

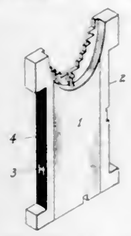
11. The process of dehydrating ethyl ether comprising distilling it and passing the vapors in contact with sodium hydroxide in such a manner that portions which deliquesce are removed from contact with the ether liquid and vapors.

1,566,436. PROCESS OF DEHYDRATING LIQUID ETHER. JOHN A. S. HAMMOND, Woodlawn, Md., assignor to U. S. Industrial Alcohol Co., a Corporation of West Virginia. Filed Dec. 29, 1921. Serial No. 525,798. 8 Claims. (Cl. 260—151.)



1. The process of dehydrating ethyl ether in the liquid state comprising treating it with sodium hydroxide two or more times, the final treatment being carried out with anhydrous sodium hydroxide.

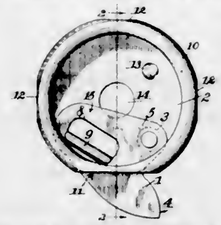
1,466,437. PROCESS FOR MAKING CHARACTER CARRIERS FOR COMPOSING MACHINES. PERCY L. HILL, deceased, late of New York, N. Y.; by James W. Anderson, administrator, New York, N. Y. Original application filed Aug. 12, 1919, Serial No. 317,044. Divided and this application filed Feb. 5, 1923. Serial No. 617,030. 2 Claims. (Cl. 199—63.)



1. The process of coloring a light colored metallic matrix adapted for line casting machines and having on its edge an indented indicating character, said process including treating said edge including said indicating character to make the same dark or black and thereafter filling in the indented indicating character with a lighter colored or white pigment.

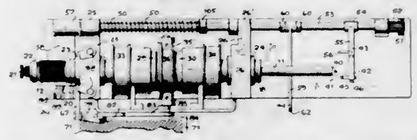
1,466,438. MANICURE IMPLEMENT. JOHN OLIN LANDIS, Waynesboro, Pa. Filed Sept. 22, 1922. Serial No. 589,823. 6 Claims. (Cl. 132—76.)

5. A manicure implement comprising a circular disk having a curled peripheral flange with ground surfaces at a plurality of places forming openings of which one is larger than the others, a shouldered stud carried by the disk and forming a pivot, a blade having a portion formed into a cleaning point and an extension with a perforation seated upon the shouldered stud, a curled lip back from the blade for the purpose of swinging the blade in an arc of a circle from a retired position within the confines of the disk to a position when said lip engages the flange and limits the extension of the cutting edge through said



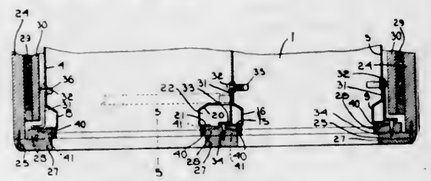
large opening, and a protuberance formed on the back of the disk adapted to occupy the opening formed by stamping said lip to hold the blade in a retired and inoperative position.

1,466,439. FINISHING MACHINE FOR TUBES AND THE LIKE. MAGNUS NOTHEIS, North Bergen, N. J., assignor, by mesne assignments, to White Metal Manufacturing Company, Jersey City, N. J., a Corporation of New Jersey. Filed Jan. 17, 1919. Serial No. 271,578. 20 Claims. (Cl. 10—87.)



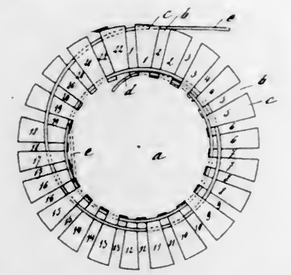
20. In a machine for finishing collapsible tubes and the like, a shaft, a spindle carried by said shaft, driving means for rotating said shaft and the spindle carried thereby alternately in one and then in the reverse direction, a finishing tool, a rotatable rod carrying said tool, means associated with and operated by said driving means for bringing said tool into operative engagement with said spindle and the work carried thereby and for moving said tool a predetermined distance longitudinally of said spindle, automatically operating means for returning said tool to its original inoperative position, and means for reversing the direction of rotation of said shaft and the spindle carried thereby on said tool being returned to its original inoperative position.

1,466,440. REFRIGERATOR. FESSENDEN C. AMES and HARRY L. MERRILL, Nashua, N. H., assignors to Isaac Frank Stevens, doing business as Maine Manufacturing Company, Nashua, N. H. Filed Aug. 12, 1921. Serial No. 491,685. 10 Claims. (Cl. 217—3.)



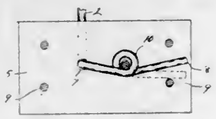
1. An L shaped sheet metal cabinet lining comprising a bottom plate having a flange at its front edge, a long and a short side plate extending upwardly from the bottom plate, a top plate extending laterally from the long side plate, and intermediate partition plate extending downwardly from the top plate with its body portion terminating well above the bottom plate, an L shaped back plate connecting the top, bottom, side, and partition plates, and a hollow vertical post connecting the lower front corner of the partition plate and the bottom plate, the bottom plate having an aperture therethrough at the post interior, whereby the lower front corner of the partition plate is rigidly held in position and distortion of the bottom plate in the vicinity of its junction with the post is precluded when the lining is heated as in an enameling process.

1,466,441. HIGH-FREQUENCY SELF-INDUCTION COIL. EDOUARD BINARD, Brussels, Belgium. Filed Aug. 27, 1921. Serial No. 495,964. 3 Claims. (Cl. 175—360.)



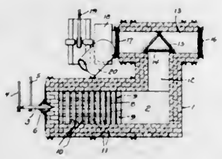
1. A high frequency self-induction coil comprising a form form provided with radially disposed slots and a winding thereon, the wire of which winding passes alternatively over and under more than one slot before passing through a slot to the other side of the plate.

1,466,442. VEHICLE ANCHORING DEVICE. WILLIAM W. BLAKELY and GEORGE C. FEDDERMAN, Detroit, Mich.; said Fedderman assignor to said Blakely. Filed Oct. 9, 1922. Serial No. 593,280. 4 Claims. (Cl. 188—32.)



1. An anchorage device comprising a securing plate having an opening, and a tie member passing through said opening and bent beneath said plate to form a foot, the latter being spirally bent to form an eyelet, and securing means for said plate passing through said eyelet.

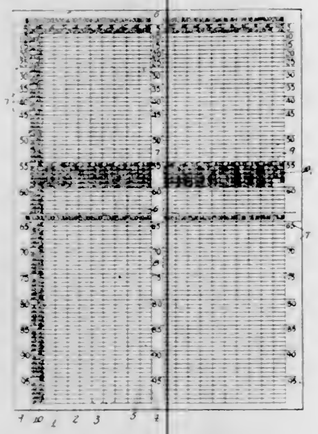
1,466,443. APPARATUS FOR SUPPLYING A DRYING MEDIUM. CHARLES E. BRADLEY, Montclair, N. J., and JOSEPH G. COFFIN, Hempstead, N. Y., assignors to General Rubber Company, a Corporation of New Jersey. Original application filed Dec. 7, 1921, Serial No. 520,505. Divided and this application filed Apr. 3, 1922. Serial No. 549,369. 10 Claims. (Cl. 34—18.)



5. An apparatus for supplying a drying medium comprising a combustion chamber, regulable means at one end thereof for burning fluid fuel, a mixing chamber, a passage leading from the opposite end of said combuston chamber to an intermediate point of said mixing chamber,

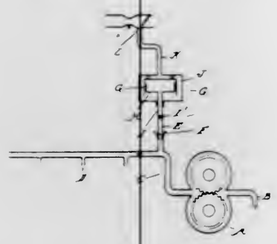
a screen disposed in said mixing chamber at the inlet of said passage thereto, an air inlet at one end of the mixing chamber, an outlet at the other end thereof, and suction means at said outlet for exhausting and conducting away the mixed combustion products and air.

1,466,444. TABLE FOR COMPUTING EXCESS-BAGGAGE RATES. EDWARD W. BROWER, Flushing, N. Y. Filed Apr. 25, 1922. Serial No. 556,450. 4 Claims. (Cl. 283—1.)



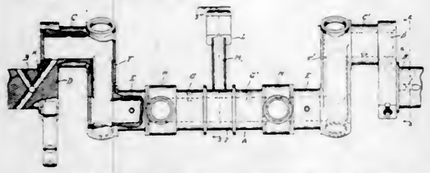
1. An excess baggage rate computing table of the class described comprising numerically designated horizontal rows and vertical columns, the vertical columns being designated by numerals representing the rates per hundred pounds, the horizontal rows being designated by numerals five to ninety-five inclusive denoting the excess weight of baggage, and the spaces formed by said vertical columns and horizontal rows being provided with numerals denoting the amount to be collected.

1,466,445. LUBRICATING SYSTEM. ALANSON P. BRUSH, Detroit, Mich. Filed May 27, 1920. Serial No. 384,539. 7 Claims. (Cl. 123—196.)



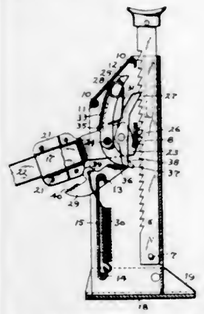
3. In an engine lubricating system, the combination with means for feeding lubricant under pressure, of a pressure relief valve for varying the pressure upon the lubricant, a piston for operating said valve subjected to opposing pressures upon opposite sides thereof, one of said pressures being communicated to said piston from the engine intake on the atmospheric side thereof, whereby increase of gas velocity in said intake, increases the pressure on said relief valve substantially proportionate to the power output.

1,466,446. CRANK SHAFT AND METHOD OF BALANCING THE SAME. ALANSON P. BRUSH, Detroit, Mich. Filed Mar. 26, 1921. Serial No. 455,724. 5 Claims. (Cl. 74—38.)



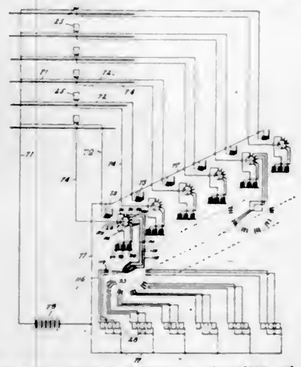
1. A crank shaft for internal combustion engines, comprising journal bearings at opposite ends only, six intermediate crank pins arranged in substantially axially aligned pairs in three radial planes, and throws directly connecting said pins with each other and said end journal bearings.

1,466,447. JACK. JOHN H. BURKHOLDER, Ashland, Ohio, assignor to Elite Manufacturing Company, Ashland, Ohio. Filed Aug. 25, 1921. Serial No. 495,169. 5 Claims. (Cl. 254—111.)



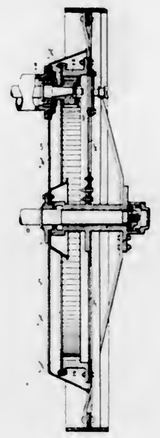
1. In a jack, a U-shaped standard, a ratchet bar slidably mounted within said standard, an oscillatory lever mounted between the sides of said standard, a check pawl and a lift pawl associated with said lever and said ratchet bar, and a single coiled spring having its opposite extremities engaged with the respective pawls mounted in bearing engagement with a part of said body to maintain a constant spring pressure on said pawls.

1,466,448. ANNUNCIATOR OR INDICATOR SYSTEM. SAMUEL KATZ, New York, N. Y., assignor of one-half to Louis J. Frank, New York, N. Y. Filed July 22, 1921. Serial No. 486,790. 7 Claims. (Cl. 177—360.)



1. In an annunciator system, a plurality of local stations, each including means for producing successive groups of electrical impulses, a plurality of indicators corresponding in number to the number of stations, impulse responsive means for setting each indicator for various indications, means interconnecting said stations and said indicators including impulse responsive selecting means for connecting an operated station with a corresponding selected indicator in response to the first group of impulses to permit the indicator to respond to the second group.

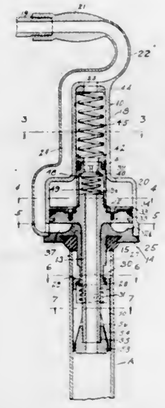
1,466,449. PROTECTING DEVICE FOR GEARINGS. FRANK KEC, Prague, Czechoslovakia. Filed Aug. 23, 1919. Serial No. 319,481. 1 Claim. (Cl. 74—7.)



In a driving gearing for motor vehicles and motor ploughs, the combination of a driving wheel having an internally toothed wheel, a power pinion meshing with the latter and arranged on the same side of the driving wheel plane as the internally toothed wheel, a flat protecting disk carried by the hub of said driving wheel and extending to the periphery of said internally toothed wheel and secured thereto, a second stationary protecting disk having an annular flange extending toward said first named disk and over the internally toothed wheel, the free edge of said second named disk being slightly greater in diameter than said first named disk and extending to the plane of the latter, and a flat covering ring attached to the opposite face of said internally toothed wheel and extending inwardly to provide an internal periphery which is slightly smaller than the internal periphery of the adjacent teeth of said internally toothed wheel.

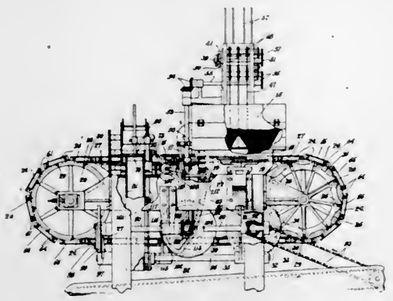
1,466,450. FLUE BLOWING AND TESTING DEVICE. CHARLES A. KOTHE, Galion, Ohio, assignor of one-third to Charles James, Youngstown, Ohio, and one-third to William Schlafge, Meadville, Pa. Filed Jan. 2, 1920. Serial No. 349,131. 41 Claims. (Cl. 284—12.)

15. A device of the character described comprising a member adapted to be inserted into a tube, a hollow piston carried within said member, a valve normally closing the opening through said piston, an expanding element carried by the end of the body within the tube, means connected with said piston whereby its movement in one direction causes said expanding member to be clamped against the inner wall of the tube, means for admitting fluid to the piston whereby the clamping means is moved



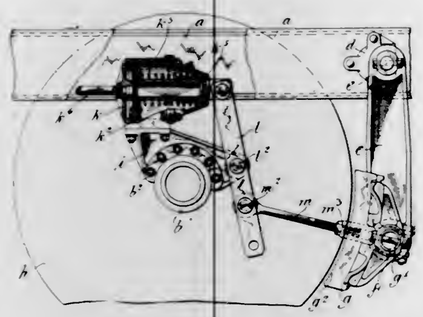
to operative position, and means whereby fluid under increased pressure overcomes the resistance of said valve and forces its way directly into the tube.

1,466,451. WRAPPING MACHINE. FRANK W. LEY, Astoria, N. Y., assignor to International Packing Machine Company, New York, N. Y., a Corporation of New York. Filed June 2, 1920. Serial No. 386,023. 20 Claims. (Cl. 93—4.)



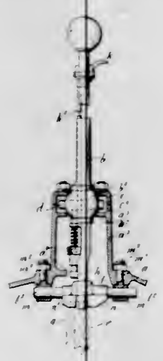
1. In a wrapping machine, the combination of an endless traveling carrier having open ended folding boxes provided with corner folders, means for forcing articles in one direction into the folding boxes and against wrappers which are being folded thereabout, the said wrappers being forced past said corner folders to thereby turn in the front corners of the wrappers, rear corner folders located at the side of the carrier and in position to register with the rearward corners of the wrapper projecting beyond the articles, and means operated simultaneously with and by the movement of said first means for ejecting the partially wrapped package from the folding boxes past said second set of corner folders to fold the opposite corners of the wrappers against the articles.

1,466,452. AIR BRAKE FOR MOTOR-PROPELLED RAIL CARS. FRED L. LIPCOT, CHARLES F. DRUMM, Jr., and MAXIMILIAN C. FRINS, New York, N. Y., assignors to International Motor Company, New York, N. Y., a Corporation of Delaware. Filed Mar. 17, 1922. Serial No. 544,615. 5 Claims. (Cl. 188—153.)



1. In a rail car in combination with the chassis and a supporting wheel therefor a curved brake shoe mounted pivotally on said chassis and in operative concentric relation to the tread of said wheel, an axle on which the wheel is journaled and rake operating means carried with the axle and including an operating rod having one end movable with the axle and the other end movable with the chassis, the last named end being fixed with relation to the brake shoe and said rod being normally disposed on a radius of the wheel and substantially of the same length as the radius.

1,466,453. CONTROL DEVICE FOR GEAR-SHIFTING MECHANISM. KEITH R. MANVILLE, Hempstead, N. Y., assignor to International Motor Company, New York, N. Y., a Corporation of Delaware. Filed Mar. 13, 1920. Serial No. 365,420. 2 Claims. (Cl. 74—39.)



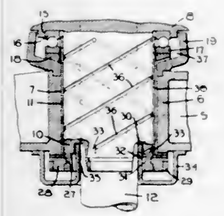
1. In a gear casing in combination with gear shifting forks, of gear shifting mechanism, control devices comprising a yoke member, a shifting lever engaging the yoke, alined trunnions carried by the yoke, lugs to support the trunnions for axial movement thereof with the yoke, bolts carried with the lugs and extending through the gear casing, nuts to lock the bolts in place, and locking flanges for the forks carried with the yoke and movable therewith to lock one of the shifter forks and unlock another shifter fork when the lever is engaged operatively with the last named fork.

1,466,454. DUSTPAN. HUGO MOCK, New York, N. Y. Filed Oct. 12, 1922. Serial No. 594,069. 3 Claims. (Cl. 65—62.)



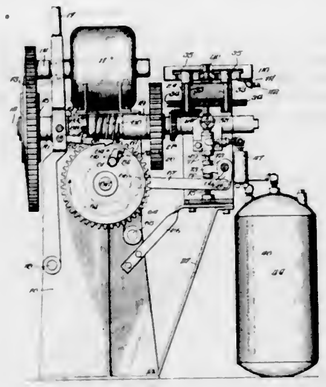
1. A dust pan of thin elastic metal of elongated tubular form having closed bottom and having the general contour of and conforming to the head of a broom to receive the latter with its acting face adjacent the said closed bottom, means cooperating with the handle of the broom to hold the broom with said acting face out of contact with said bottom, and a handle pivotally connected with the outer wall of the dust pan and carrying said means said dust pan being freely movable in both directions upon the handle.

1,466,455. LUBRICATING MECHANISM FOR BEARINGS OF ROTATABLE MEMBERS. CHARLES E. NEEDHAM, Allentown, Pa., assignor to Bradley Pulverizer Company, Boston, Mass., a Corporation of Maine. Filed Nov. 16, 1921. Serial No. 515,492. 9 Claims. (Cl. 64—36.)



9. Lubricating mechanism for a centrifugal grinding mill having a vertical roll actuating shaft, a frame having an upper supporting girder provided with a vertical aperture for said roll actuating shaft, driving means supporting said shaft having a hub provided with an extension journalled in said aperture and a thrust bearing carried by said girder supporting said driving member, adjacent the upper portion of said hub extension, comprising an oil receptacle enclosing the lower end of said hub extension, a chamber in the lower end of said hub having an open bottom and an upwardly and outwardly flaring wall, conduits leading from the upper portion of said chamber through the wall of the hub to said bearing for conducting to said bearing the oil thrown outwardly by centrifugal force during the rotation of said rotatable member, a spiral groove in the outer surface of said hub adapted to communicate with said conduits leading to the upper end of said bearing, means enclosing said thrust bearing to receive the excess of oil transmitted to said thrust bearing and means for returning said excess of oil to said receptacle.

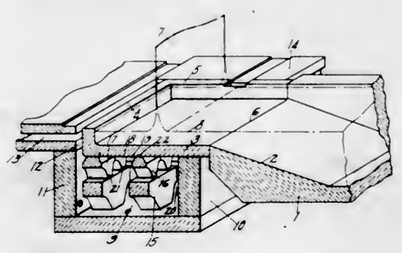
1,466,456. COATING APPLIANCE. ESKEL NORDELL, Chicago, Ill. Filed Sept. 12, 1919. Serial No. 323,443. 5 Claims. (Cl. 91—44.)



1. In a coating appliance of the character described, the combination of a horizontal disc adapted to support a flanged cap fitted thereover, means to revolve said disc and cap, means to play a stream of coating liquid nearly horizontally on to the cap near but not at the center of the unobstructed top thereof and a downwardly inclined stream slightly below the top edge of the depending flange of the cap, substantially as described.

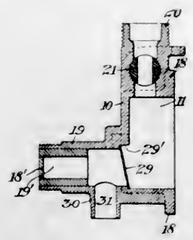
5. In an appliance of the character described, the combination of a plurality of discs each adapted to have a flanged cap fitted thereover, means to revolve said discs, means common to all of said discs to play streams of coating liquid simultaneously on to their caps during the rotation of the latter, and means controlling said streams of coating liquid to cause their cessation and to permit such discs and caps to revolve thereafter to even their coatings and discharge the surplus coating material from the caps by centrifugal force, substantially as described.

1,466,457. SHEET-GLASS-DRAWING MECHANISM. MICHAEL J. OWENS, Toledo, Ohio, assignor to The Libbey-Owens Sheet Glass Company, Toledo, Ohio, a Corporation of Ohio. Filed Apr. 27, 1922. Serial No. 556,848. 6 Claims. (Cl. 49—17.)



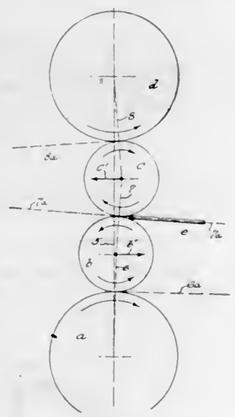
6. In a sheet glass drawing machine, in combination with a draw-pot containing the molten glass from which the sheet is drawn, a transverse supporting member beneath the pot positioned parallel to the line of draw of the sheet, the member having its under side cut-away to form a series of open arches, and its upper pot-supporting side beveled at the edges leaving a narrow continuous strip in unbroken contact with the pot.

1,466,458. COFFEE-URN PUMP. JOHANNES TH. PEDERSEN, Flushing, N. Y., assignor to Aaron M. Sloss, New York, N. Y. Filed Apr. 12, 1921. Serial No. 460,856. 2 Claims. (Cl. 103—126.)



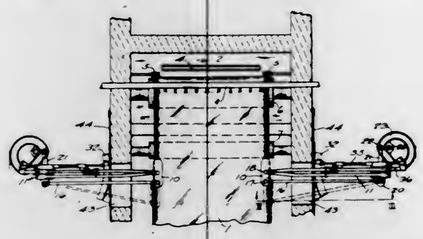
1. In a coffee urn pump, a casing having an inlet connection, a screen set in the casing at an inclination to the direction of the flow of a liquid therethrough, a liner set in the said inlet connection and having a restricted orifice leading into the inlet connection, and a discharge pipe leading from the said inlet connection, the space in the inlet connection between the said screen, the liner and the interior of the said discharge pipe forming a sediment chamber from which, by the reversal of the pump, the sediment may be discharged.

1,466,459. ROLLING MILL. JAMES M. PERRY, Detroit, Mich., assignor to himself and Albert B. Hanson, Detroit, Mich. Filed Apr. 3, 1922. Serial No. 549,287. 12 Claims. (Cl. 80—38.)



12. In a rolling mill wherein the reduction rolls of the pass are of substantially equal diameter and form the intermediate rolls of a set with one of the outer rolls active as the driver of the set when the set is inactive and for one of the reduction rolls when the set is active in work reduction, means for supporting the rolls to locate the intermediate rolls in wedge spaces for and individual to the several intermediate rolls and in which wedging activity is produced during movement of the work through the pass, presence of the work in the pass causing the work to become the driver for the other of such reduction rolls, the arrangement of the roll axes being such that the direction of increasing wedging activity for each reduction roll corresponds to the general direction of movement of its driver.

1,466,460. METHOD AND APPARATUS FOR DRAWING AND FLATTENING SHEET GLASS. JAMES WHITTEMORE, Detroit, Mich., assignor to The Libbey-Owens Sheet Glass Company, Toledo, Ohio, a Corporation of Ohio. Filed Nov. 26, 1920. Serial No. 426,377. 8 Claims. (Cl. 49—17.)



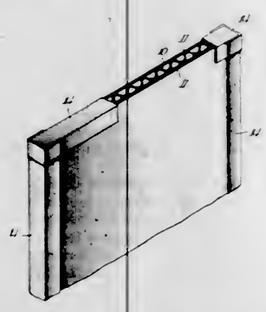
6. In an apparatus for drawing and flattening sheet glass, a receptacle containing a mass of molten glass from which the sheet is drawn upwardly, means for bending the drawn sheet into a horizontal plane, means for reheating and softening the sheet, means for applying the longitudinal draft to the sheet, and means for grasping the edge portions of the softened sheet between the bending device and the drawing means, and stretching the sheet laterally to flatten the same and remove waves and wrinkles.

1,466,461. SWITCH TONGUE. VICTOR ANGERER, Ridley Park, Pa., assignor to William Wharton, Jr., & Company, Incorporated, Easton, Pa., a Corporation of Pennsylvania. Filed Feb. 27, 1923. Serial No. 621,552. 60 Claims. (Cl. 246—435.)



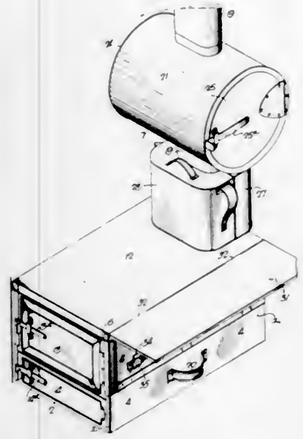
1. A switch tongue having a shallow point and a deep heel or pivotal portion and having a continuous or intact bottom bearing area which is inclusive of the heel.

1,466,462. WATERPROOF BUILDING MATERIAL. ROY G. BACHMAN, Chicago, Ill. Filed July 31, 1922. Serial No. 578,770. 4 Claims. (Cl. 20—91.)



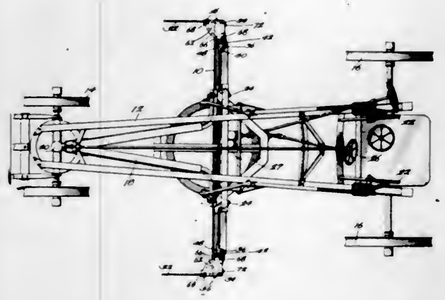
1. Building material comprising corrugated board having flat layers applied to the two sides thereof, each of said layers comprising plies, said plies having operatively associated therewith waterproof material, the outermost of said plies having a substantial part of the thickness thereof free of said waterproof material, whereby the property of capillary attraction thereof is retained.

1,466,463. FOLDING STOVE. CHESTER M. BATES, Elverson, Pa., assignor, by mesne assignments, to Livingood Manufacturing Corporation, Lebanon, Pa., a Corporation of Pennsylvania. Filed Apr. 21, 1922. Serial No. 555,812. 3 Claims. (Cl. 126—9.)



1. In a folding stove, the combination with a plate having flanges at the side edges and constituting a shallow receptacle, of plates hinged to the flanges inside the outer edges of the latter and when extended forming extensions of the flanges, and a member adapted for attachment both to the outer edges of the extended plates to form a wall of the stove, and to the edges of the flanges when the plates are turned inwardly to constitute a cover for the receptacle confining the contents.

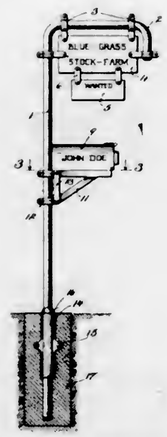
1,466,464. COMBINATION BLADE EXTENSION AND WING FOR ROAD MACHINES. WILLIAM T. BEATTY, Flossmoor, Ill. Filed July 28, 1922. Serial No. 578,086. 24 Claims. (Cl. 37—143.)



1. In mechanism of the class described, a cutting blade, a dirt controlling plate, and a pivotal mounting

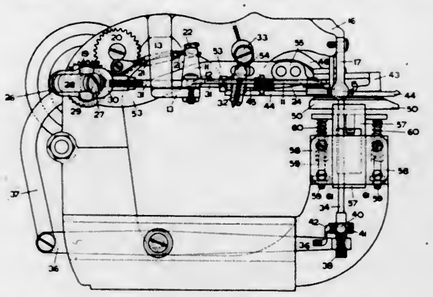
device attaching the plate at the end of the blade so constructed and arranged that the plate may be selectively located at 90° to the front of the blade, in approximate alignment with the blade, or at 180° from that position and on the back of the blade.

1,466,465. SIGNPOST. BERNARD A. BELLING, Beaver Dam, Wis., assignor to Bell Manufacturing Company, Beaver Dam, Wis., a Corporation of Wisconsin. Filed Nov. 8, 1921. Serial No. 513,783. 1 Claim. (Cl. 40—145.)



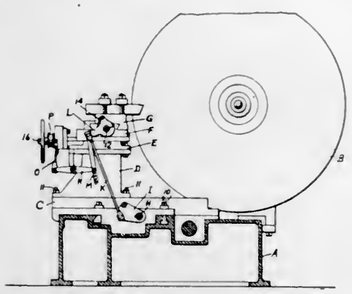
A device of the character described, comprising a vertical standard formed throughout of a single piece of seamless steel tubing, having its upper portion bent outwardly and downwardly, with its terminal positioned below such bend, a sign board positioned within the space enclosed by the bent portion of such tubing, and clamps engaging said tubing and said sign board and permanently spacing said sign board from said bent portion.

1,466,466. CHAINSTITCH SEWING MACHINE. ABRAHAM BELLOW, Leeds, England. Filed Feb. 6, 1923. Serial No. 617,289. 4 Claims. (Cl. 112—178.)



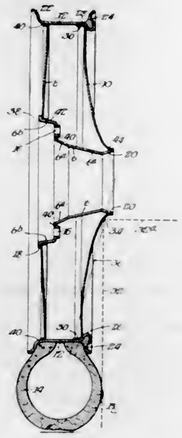
1. The combination with the body of a chain-stitch sewing machine, of a needle adapted to be reciprocated transversely across said body in a substantially horizontal plane, a drive shaft, spur wheels operatively associated with said shaft, a bell crank connected at one end to said needle and at its opposite extremity secured to one of said spur wheels, loop-taking mechanism cooperating with said needle and operatively connected to said driving shaft, a feeder, an oscillating link connecting said feeder to the drive shaft, a work plate over which said needle works, a box-like member below said plate, springs on said member resiliently supporting said plate, and means projecting from said member for raising or lowering the same.

1,466,467. LATHE. JOHN BURT, Narberth, Pa., assignor to William Sellers & Company, Incorporated, Philadelphia, Pa., a Corporation of Pennsylvania. Filed May 9, 1921. Serial No. 467,843. 9 Claims. (Cl. 82—8.)



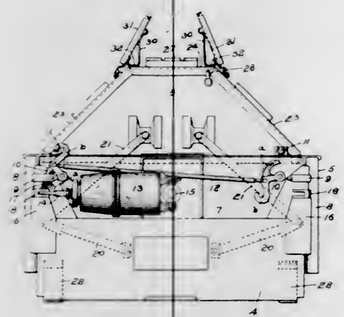
1. A lathe having a transversely adjustable housing, a transversely movable slide, a longitudinally movable slide, a separate feed mechanism for each slide, actuating devices for each feed mechanism, actuating means arranged to be driven from the lathe, a connection between the actuating means and one of the actuating devices adapted to permit adjustment of the housing, and connections between the actuating devices.

1,466,468. HOLLOW METAL WHEEL. JAMES A. CHARTER, Chicago, Ill. Filed Mar. 29, 1920. Serial No. 369,650. 6 Claims. (Cl. 301—63.)



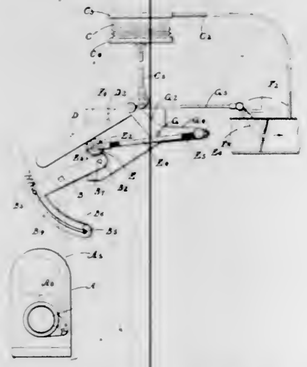
1. In mechanism of the class described, a wheel structure comprising a hub, a rim, and front and rear disks connecting the hub and rim, the hub being of greater axial length than the width of the rim and having its front end extending outside the plane of the front edge of the rim, the front disk being curved or dished so that it does not pass outside the plane of the front edge of the rim until a point near the hub, for the purposes set forth.

1,466,469. COVERED DUMP CAR. CHARLES H. CLARK, Library, and HOWARD L. BEACH, Mount Lebanon, Pa., assignors to Clark Car Company, a Corporation of Pennsylvania. Filed Apr. 28, 1921. Serial No. 465,174. 18 Claims. (Cl. 105—271.)



1. In a dump car, a tilting body, a cover for said body extending upwardly from the sides thereof and having side portions which slope inwardly toward the top portion thereof to minimize the lateral overhang of the cover when the body is tilted.

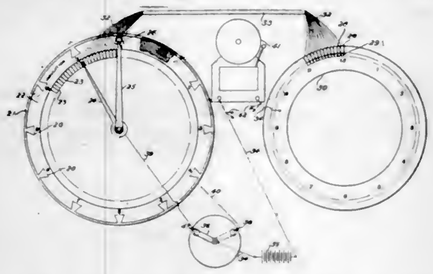
1,466,470. APPARATUS FOR CONTROLLING THE IGNITION POINT IN INTERNAL-COMBUSTION ENGINES. EDWARD DODSON, London, England. Filed Apr. 15, 1922. Serial No. 553,280. 7 Claims. (Cl. 123—117.)



1. In an internal combustion engine, the combination with the induction pipe and a throttle valve therein, of an ignition timing device, a suction operated device communicating with the said induction pipe so as to advance the said timing device with each increase of suction, a lever system interposed between the said suction and timing devices, a spring arranged to oppose the suction advance, and means actuated by a variation in the position of the said throttle valve to vary the position of the fulcra of the said lever system.

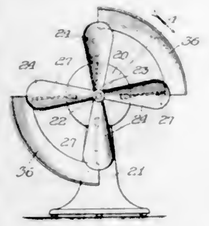
1,466,471. TIME-CONTROL SIGNAL SYSTEM. DANIEL W. DRISCOLL, Villanova, Pa. Filed Apr. 27, 1923. Serial No. 635,009. 3 Claims. (Cl. 161—3.)

1. In combination with a cylindrical oven shell having a longitudinal opening in the bottom thereof, burners for supplying heat to said oven and positioned below said longitudinal oven, a pair of spaced baffle plates extending downwardly through said opening on each side of



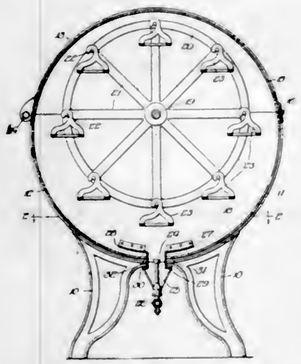
said gas burners, said baffle plates having their lower edges turned outwardly and spaced apart from the edge of the oven shell adjacent said longitudinal opening.

1,466,472. FAN. ELISHA N. FALES, Dayton, Ohio. Filed May 24, 1920. Serial No. 383,768. 3 Claims. (Cl. 230—1.)



1. A fan with circular segments of a shroud lying outside the blade tips substantially as shown.

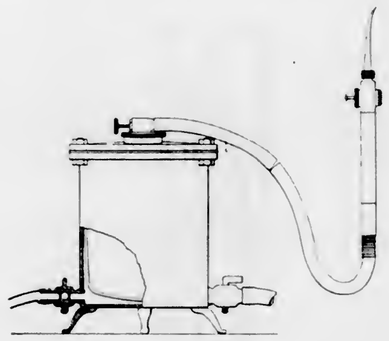
1,466,473. BAKING OVEN. MILTON FEDER, Oakland, Calif., assignor to Federal System of Bakeries of America, Inc., Davenport, Iowa, a Corporation of Delaware. Filed Mar. 5, 1920. Serial No. 363,627. 3 Claims. (Cl. 107—59.)



2. In combination with a cylindrical oven shell having a longitudinally extending opening in the bottom thereof, of burners centrally positioned in said opening, a plurality of baffle plates secured to said oven shell and extending downward through the said opening and spaced

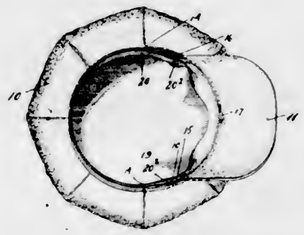
apart from the marginal edges thereof, the upper portions of said baffles being turned and extending parallel with the walls of the oven shell and spaced apart therefrom.

1,466,474. MOUTH-CLEANSING APPARATUS. ROBERT L. HATCHER and HARRY A. PARR, Detroit, Mich. Filed Jan. 24, 1921. Serial No. 439,369. 5 Claims. (Cl. 128—229.)



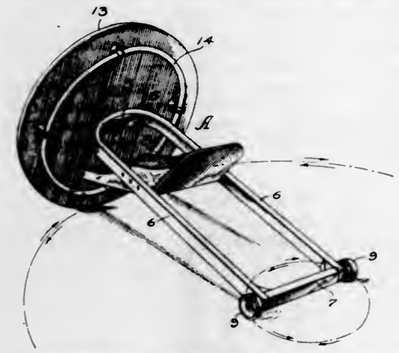
4. The combination with a collapsible container, of a chamber surrounding a portion of said container, manually operated valve controlled means for connecting said chamber with a source of hydraulic pressure, a conduit leading from said container, means for regulating the discharge through said conduit, a discharge nozzle at the end of said conduit, and means for controlling the discharge from said nozzle.

1,466,475. CAP. CHARLES KOPPMAN, New York, N. Y., assignor to The Capanhat Co. Inc., a Corporation of New York. Filed Nov. 8, 1921. Serial No. 513,758. 2 Claims. (Cl. 2—106.)



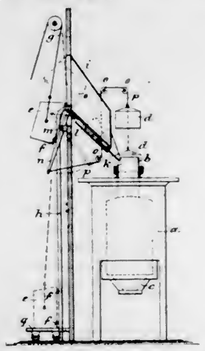
1. A cap having a peak, a rim a part of which only is reinforced, the non-reinforced parts being located at the sides of said peak, said non-reinforced parts having several transversely extending slots, a band attached to the inner face of the reinforced part of the rim and having end extensions passing outwardly each through one of said slots, straps attached to the outer face of said rim at the ends of the reinforced part thereof and having means for tightening said straps together, the outwardly passing ends of said extensions being attached to said straps so that on tightening the latter the non-reinforced parts of said rim will be gathered to form plaits and means for causing said plaits to arrange themselves uniformly and in a predetermined fashion.

1,466,476. TOY VEHICLE OF THE TRICYCLE TYPE. WILLIAM A. MANKEY, Lyon Park, Va. Filed June 2, 1921. Serial No. 474,429. 3 Claims. (Cl. 46—27.)



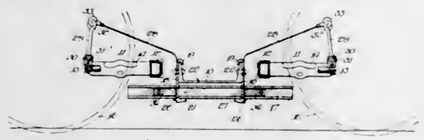
1. In a toy vehicle, a frame, a seat, ground wheels adjacent the rear end of said frame, an axle extending beyond the other end of said frame, a traction wheel carried by said axle, disposed at right angles to said frame and a hand rail on said traction wheel.

1,466,477. COOLING TOWER FOR DRY COOLING OF HOT COKE. ARNOLD MOETTELI, Oberwinterthur, Switzerland. Filed Dec. 28, 1921. Serial No. 525,520. 2 Claims. (Cl. 214—120.)



1. A cooling tower for dry cooling hot coke comprising in combination a cooling chamber with a coke inlet, a bucket hoist and chute and means for opening and closing the inlet to the cooling chamber and at the same time bringing an extension mouth piece of the chute into and out of register with the cooling chamber inlet, said means being actuated by raising and lowering the bucket in the hoist.

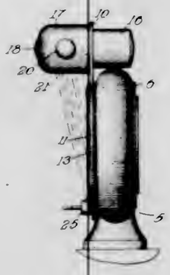
1,466,478. BRAKE MECHANISM. ARMAND H. PEYCKE, Chicago, Ill., assignor to American Steel Foundries, Chicago, Ill., a Corporation of New Jersey. Filed Nov. 1, 1919. Serial No. 335,058. 2 Claims. (Cl. 188—213.)



2. In brake mechanism, the combination of a brake beam having compression and tension members, a com-

bination bracket and leveling spring secured to a portion of the truck, a safety bar supported by the bracket portion, the leveling spring portion extending transversely of the car from the bracket portion to a point over the transverse center of the tension member, and a connection between said leveling spring and tension member.

1,466,479. INDICATING DEVICE. EARLE F. POTTER, Chicago, Ill., assignor to The Potter Specialties Company, Chicago, Ill., a Corporation of Illinois. Filed Oct. 2, 1922. Serial No. 591,999. 3 Claims. (Cl. 177—311.)

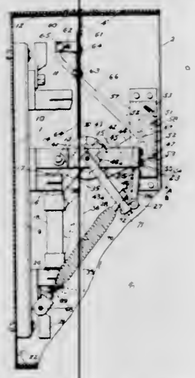


1. In combination with a rear signal light normally not lighted when the vehicle is running at night, means for intermittently lighting said light upon certain manipulations by the driver in controlling the car, and a temperature indicator remote from the driver's position; a tell-tale light positioned to illuminate said temperature indicator and electric connections for illuminating said tell-tale light simultaneously with said signal light, whereby said tell-tale light intermittently apprises the driver that the signal is functioning and simultaneously reminds him of the temperature indicator.

1,466,480. KINDLING COMPOUND. ARTIE L. RAVEN, San Jose, Calif. Filed Jan. 4, 1922. Serial No. 526,920. 1 Claim. (Cl. 44—16.)

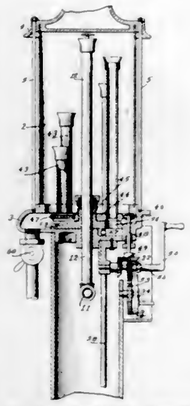
A kindling compound comprising the following ingredients: burnt sienna 3 parts, ashes 3 parts and sawdust 2 parts united with sufficient coal oil and coal tar to form a paste or putty-like substance.

1,466,481. SAFETY SWITCH. HOLLAND P. RIDGELY, Philadelphia, Pa., assignor to The Cutler Electrical and Manufacturing Company, Philadelphia, Pa., a Corporation of New Jersey. Filed Jan. 2, 1920. Serial No. 348,920. 15 Claims. (Cl. 200—50.)



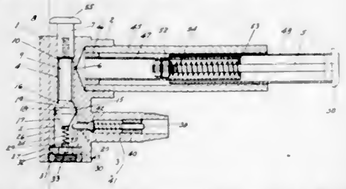
15. The combination with an electric switch, of a housing therefor having a movable wall, means external to said housing for actuating said switch, a latch member pivoted within said housing, a member with which said latch is adapted to engage carried by and rotatable with respect to said wall, and a pivoted detent member adapted to move to position between said member and said latch.

1,466,482. LIQUID DISPENSING AND MEASURING DEVICE. EDWARD A. RIX, San Francisco, Calif. Filed Oct. 27, 1920. Serial No. 419,916. 2 Claims. (Cl. 221—100.)



1. In a device of the character described a container having a measuring chamber formed therein, a source of liquid supply, a delivery pipe forming a connection between the source of supply and the measuring chamber, means for transferring liquid from the source of supply through said pipe to the measuring chamber, a rotor mounted within the chamber, a series of open ended pipes carried by the rotor and each pipe terminating at a different height, a central pipe about which the rotor rotates, said pipe forming a venting connection between the measuring chamber and the source of supply, and means for turning the rotor to bring any one of the pipes of varying height into register with the delivery pipe.

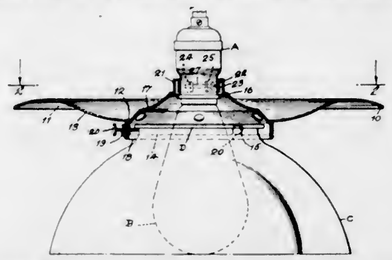
1,466,483. AIR-GAUGED FILLER VENT. ELIAS BERSON ROSE, Portland, Oreg. Filed Jan. 10, 1921. Serial No. 436,284. 3 Claims. (Cl. 152—11.5.)



1. In a filler-vent, the combination with a barrel provided with a bore, and a pressure gauge on said barrel organized to form a handle for the device, of a pipe nipple on the same side of said barrel and substantially parallel with said gauge, an air control valve in said nipple having a nose extending into the bore of the barrel, a plunger reciprocatory in said bore, a valve actuating head actuated by said plunger into snub engagement with said nose for actuating the air control valve, and means for operating the plunger.

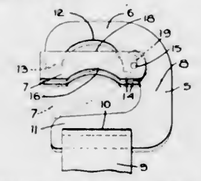
1,466,484. LAMP REFLECTOR. NATHAN ROSEN, New York, N. Y. Filed Aug. 23, 1922. Serial No. 584,285. 6 Claims. (Cl. 240—103.)

3. A lamp reflector, comprising an opaque plate with a reflecting surface on its underside and having a central opening surrounded by a depending annular flange having in its lower edge spaced notches, a cap having a central opening in its top plate and having an outer peripheral



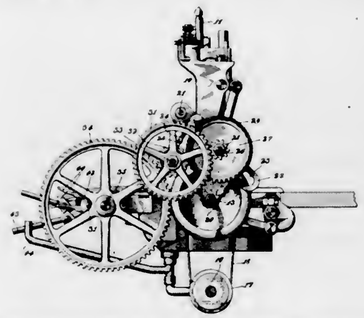
annular flange removably fitted in the opening of the reflecting plate, means on the flange of the cap, removably supporting the flange of the plate, and a catch in the central opening of the cap.

1,466,485. YARN CLAMP. EVERETT T. SAMPSON, Franklin, Mass. Filed Apr. 11, 1922. Serial No. 551,536. 4 Claims. (Cl. 28—22.)



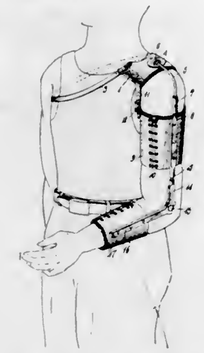
1. The combination with a warp beam having a web of cloth attached thereto, of a plurality of warp-yarn clamping devices secured to the edge of said web, each clamping device comprising a flat body member having a hook-shaped portion and a yarn-clamping member connected to the body member for both bodily and swinging movement toward and from the hook, the end of the yarn-clamping member being adapted to overlie the point of the hook, whereby when yarn ends are carried around the clamping member and then between the latter and the inner edge of the hook the tension to which the yarn is subjected will cause the clamping member to clamp the yarn against the inner edge of the hook.

1,466,486. MACHINE FOR STITCHING HAT BRIMS AND THE LIKE. MORRIS SCHLOSS, New York, N. Y. Filed July 18, 1918. Serial No. 245,463. 4 Claims. (Cl. 112—2.)



3. The combination of a sewing machine with a support to receive the article to be stitched and a screw-threaded member operatively connected to said support for moving the same transversely to the normal line of feed of the machine, a driven gear on said screw-threaded member, a driving gear for transmitting movement to said driven gear, a supporting bracket, a slotted member pivotally mounted upon said supporting bracket, a second slotted member associated with said first-named slotted member, a stud adjustably disposed upon said slotted members, and an intermediate gear removably mounted on said stud for transmitting movement from said driving gear to the gear on said screw-threaded member, substantially as specified.

1,466,487. BRACE. RICHARD W. SHAFFER, Ebensburg, Pa. Filed Mar. 13, 1922. Serial No. 543,505. 7 Claims. (Cl. 128—88.)



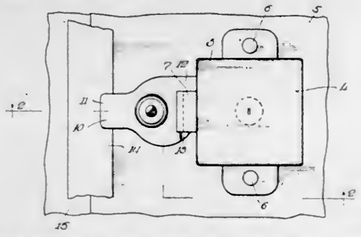
1. A brace of the character described, comprising a shoulder portion adapted to be clamped upon the shoulder, a pivoted arm connected with the shoulder portion, and a humerus pad adapted to be fitted around the arm below the shoulder connected with said arm projecting from the shoulder pad.

1,466,488. CALCULATING MACHINE. CARL A. SIEWECK, New York, N. Y., assignor to Remington Accounting Machine Corporation, New York, N. Y., a Corporation of New York. Filed July 24, 1922. Serial No. 576,986. 9 Claims. (Cl. 235—59.)



1. In a calculating machine, the combination with a totalizer, a support for said totalizer, and releasable means for holding said totalizer to said support, of means associated with said holding means to lock an essential part of the machine in the event that said securing means is released.

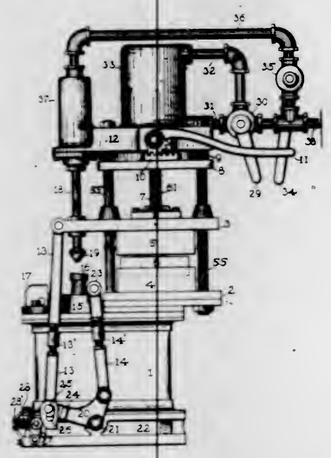
1,466,489. LOCK. HENRY F. STARRETT, Chicago, Ill., assignor to Starrett Mfg. Co., Chicago, Ill., a Corporation of Illinois. Filed Jan. 3, 1921. Serial No. 434,411. 3 Claims. (Cl. 70—29.)



1. In a device of the character described, in combination, a locking mechanism comprising a reciprocating

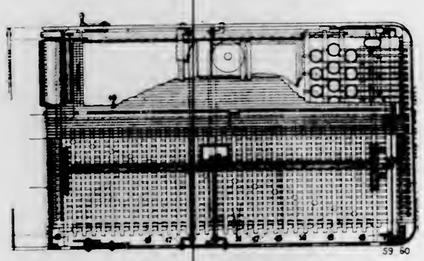
locking bolt, a rotatable latch comprising a locking member, projecting prongs positioned on said latch, one of said prongs cooperating with said locking mechanism to position the said latch in the locking position, and both of said prongs cooperating with said locking bolt to lock said latch.

1,466,490. DIE-CASTING MACHINE. OSCAR L. W. SWENSON, Brooklyn, N. Y. Filed Aug. 4, 1921. Serial No. 489,769. 8 Claims. (Cl. 22—69.)



1. A die casting machine including a fire box and a pneumatic ram surmounting the same, said ram having a movable ram member, a ladle provided with a rearward arm pivoted upon the rear of said fire box, a rocker arm upon the same fire box, a link connecting said movable ram member with one extremity of said rocker arm, a shaft secured to said ladle, and a link connecting said ladle shaft with the other extremity of said rocker arm.

1,466,491. TYPEWRITER. WERNER SCHÄFFER, Laupen-Bern, Switzerland, assignor to the Firm Polygraphische Gesellschaft, Laupen-Bern, Switzerland. Filed May 12, 1921. Serial No. 469,045. 61 Claims. (Cl. 101—93.)



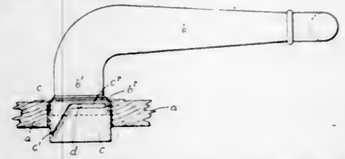
1. In a writing machine, a shifting device, types, type moving members each adapted to move a number of the said types into different positions, and a number of engaging members attached to each of the said moving members and each adapted to engage singly with the shifting device, whereby the shifting device is caused to shift the type moving member into different positions.

1,466,492. TICKET DELIVERER. JACOB STIBISS, New York, N. Y., assignor to International Ticket Company, Newark, N. J., a Corporation of New Jersey. Filed Dec. 13, 1921, Serial No. 522,180. Renewed July 17, 1923. 3 Claims. (Cl. 211—8.)



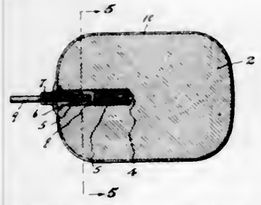
2. In a ticket deliverer, the combination of a chute having a deflected lower end terminating in an outlet, friction rollers at the outlet, yielding bearings carrying one of the rollers, means operated by the rotating of the rollers by a passing ticket to advance a new ticket, a bell and a hammer connected with the yielding bearings and adapted to be raised by the presence of two tickets between the rollers and released when one of the tickets is removed.

1,466,493. GRAMOPHONE TONE ARM. SIDNEY TOOTILL, London, England. Filed Oct. 10, 1922. Serial No. 593,494. 1 Claim. (Cl. 274—23.)



In a sound reproducing machine, a horizontal supporting board, a tubular socket secured in the said board and provided with slots having horizontal upper portions and downwardly inclined lower portions, and a tone arm having its larger end portion mounted loosely in the said sleeve and provided with lateral projections which engage with the said slots and enable the tone arm to be raised and lowered with relation to the said board.

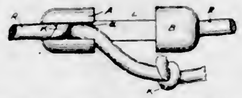
1,466,494. FLOAT DEVICE. HERMAN G. WALLMANN, St. Cloud, West Orange, N. J. Filed Apr. 20, 1921. Serial No. 462,866. 1 Claim. (Cl. 137—104.)



A float device comprising a core of buoyant material, a metallic bushing exteriorly threaded to screw into one end of said core, an annular shoulder at the outer end of said bushing and countersunk in the body of said core, a projecting neck portion extending outwardly from said shoulder, said bushing having an axially disposed receiving

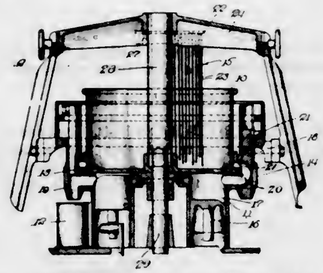
socket entering through said neck-portion for the attachment of a carrying rod, and a coating of celluloid or the like applied upon the exterior surface of said core, said coating extending over the annular shoulder of said bushing and bonding to said neck-portion of the latter, all whereby the liquid by which the float device is sustained is prevented from contacting with or penetrating the material of said core.

1,466,495. ROPE COUPLING. CHARLES WATSON, New York, N. Y. Filed Mar. 28, 1922. Serial No. 547,558. 3 Claims. (Cl. 24—129.)



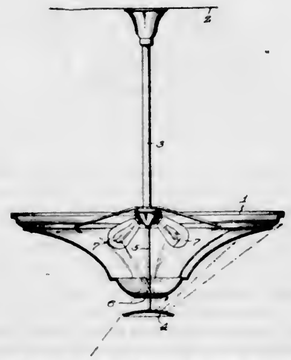
1. A coupling for ropes, comprising a bar with a perforated cup at one end adapted to contain the knotted end of a rope and a slotted cup at the other end into which a knotted end of a rope may be inserted and retained.

1,466,496. CLEANING DEVICE FOR CORN. WILL G. WHITEHEAD, Gibson City, Ill. Filed May 19, 1921. Serial No. 470,993. 5 Claims. (Cl. 226—69.)



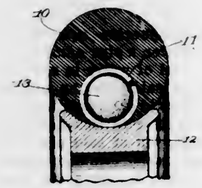
1. The combination with a corn filling machine comprising a rotatable tank, and means whereby corn is withdrawn from said tank and discharged into cans, of a stationary comb having teeth extending into said tank for gathering up the pieces of husk, silk, and other foreign material in the cooked corn, as the corn rotates with the tank.

1,466,497. INDIRECT-LIGHTING FIXTURE. ALBERT WOOD, Dearborn, Mich., assignor to Henry Ford Hospital, Detroit, Mich., a Corporation of Michigan. Filed Sept. 25, 1920. Serial No. 412,818. 1 Claim. (Cl. 240—78.)



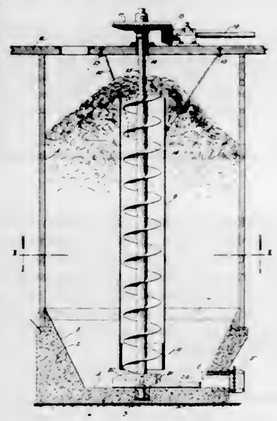
In an indirect lighting fixture, an opaque reflector having an opening in its lower central portion, a supporting means to which the reflector is attached, a plurality of lamps attached to the supporting means, an arm secured to the supporting means and extending through the opening in said reflector and a supplemental reflector supported by the arm beneath the first named reflector, said arm being secured to the center of the upper surface of the supplemental reflector, the configuration of the supplemental reflector being such as to receive all direct rays from the lamps passing through said opening, the configuration of said reflector being such as to direct a portion of the light striking it upon the lower surface of the opaque reflector.

1,466,498. TIRE. HENRY C. FITCH, Demos, Ohio. Filed May 5, 1922. Serial No. 558,612. 1 Claim. (Cl. 152—8.)



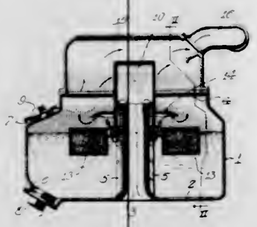
The combination with a wheel rim of a tire comprising a solid resilient body having a circumferential bore extending throughout its entire length, said bore being formed in the rim engaging portion of the tire, a coil spring disposed within the bore and extending throughout the entire length thereof, the base of said coil spring resting upon the rim, the resilient body covering the entire balance of the spring, and a series of resilient spheres disposed within the coils of the spring, the tire being firmly held against displacement by the stiffness of the spring.

1,466,499. PULP BLEACHER. PHILIP K. FLETCHER, Alpena, Mich. Filed June 17, 1922. Serial No. 569,177. 3 Claims. (Cl. 8—2.)



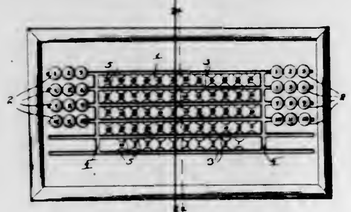
1. A machine of the type described comprising a tank, a centrally arranged vertical cylinder suspended within the tank with its lower end spaced from the floor of the tank, a screw mounted for rotation co-axially with said cylinder, and a spiral collector member adjacent to the floor of said tank adapted by its rotation to collect material upon the floor of the tank and force it toward the lower end of the screw.

1,466,500. AIR WASHER AND FILTER. HENRY FORD, Dearborn, Mich. Filed July 17, 1918. Serial No. 245,428. 1 Claim. (Cl. 261—120.)



An air washing apparatus comprising a receptacle adapted to contain water, a pipe admitting air to said receptacle above the level of water in said receptacle, guide ribs longitudinally of said pipe, an air guiding member over the upper end of said air admitting pipe, and slidable on said guide ribs with said ribs and member affording air passages from the top of said pipe to the bottom of said member, floats, means connecting the lower end of said air guiding member to said floats, said means maintaining said floats in spaced relation to said air guiding member so that air may pass out of the lower end of said air guiding member and upwardly between said floats, and means on said air guiding member of a greater area than the horizontal area of the space between said floats and having a definite position relative to the surface of water in said receptacle to baffle the washed air and prevent its immediate ascent along the walls of said guiding member.

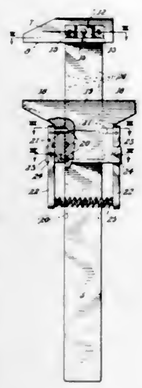
1,466,501. MATHEMATICAL BOARD. ALBERT A. GAMBLE, Rochester, N. Y. Filed July 27, 1922. Serial No. 577,892. 2 Claims. (Cl. 35—2.)



1. In a calculating board, the combination of a table of numbers, color areas placed adjacent to numbers on said table, colored buttons containing numbers, the colors of said buttons corresponding to said color areas adjacent to the numbers on said table, the color areas adjacent to each of said numbers indicating the numerals of the corresponding colored buttons which are factors of the respective numbers.

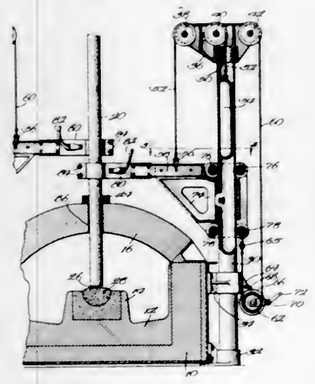
1,466,502. WRENCH. ALBERT GARBACZ, East Hammond, Ind., assignor of one-half to W. H. Newburg, Medford, Wis. Filed May 11, 1922. Serial No. 560,067. 1 Claim. (Cl. 81—178.)

A sliding adjustment wrench including a shank having the outer end thereof reduced in cylindrical form, an outer jaw having a socket in which the reduced portion of the shank is snugly revolubly fitted, means carried by said jaw and engaging the reduced portion of the shank to prevent detachment of the jaw from the latter while permitting the revolution of the jaw on said reduced portion, and means to hold the jaw against rotation on said reduced portion when said jaw is positioned to extend from



either edge of said shank, and a sliding inner jaw having opposed working faces to selectively cooperate with the revoluble outer jaw.

1,466,503. ELECTRODE HANDLER. ALFRED W. GREGG, Chicago, Ill., assignor to Whiting Corporation, Harvey, Ill., a Corporation of Illinois. Filed July 16, 1921. Serial No. 485,176. 4 Claims. (Cl. 204—64.)



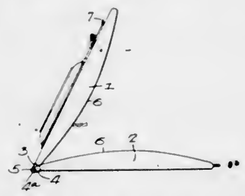
1. In mechanism of the class described, an electric furnace, a carbon entering the furnace, a hollow post at the side of the furnace, a lifting member reciprocably and rotatably mounted on the post, means on the lifting member for attaching it to the carbon, a frame rotatable on the post above the lifting member, sets of pulleys on the frame, a counter weight in the post, a tension member extending from the lifting member, over one set of said pulleys to said counterweight, another tension member leading over other of said pulleys to the lifting member, and means manually controllable for operating the first tension member to effect raising and lowering of the lifting member and attached carbon.

1,466,504. STOCKING FORM. CHARLES T. GRIFFITH, Mount Airy, Pa., assignor to Proctor & Schwartz, Incorporated, Philadelphia, Pa., a Corporation of Pennsylvania. Filed May 15, 1922. Serial No. 561,197. 3 Claims. (Cl. 223—13.)



1. A fish-tail stocking form made of metal and having a rigid heel portion and a flexible foot portion.

1,466,505. TRAVELING CASE FOR WATCHES. WILLIAM F. GRUPE, Philadelphia, Pa., assignor to C. F. Rumpp & Sons, Inc., Philadelphia, Pa., a Corporation of Pennsylvania. Filed Mar. 28, 1921. Serial No. 456,090. 1 Claim. (Cl. 206—37.)



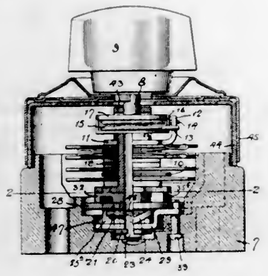
A casing comprising a pair of substantially rigid rectangular frames hinged together at one side and adapted to lie in juxtaposition, flexible backings for the frames, means for securing the frames in the juxtaposed position, means whereby when the frames are opened out and folded backwardly engagement of the hinged sides retains the frames in a position forming an acute angle between the backs, and a watch-suspending element carried by one of the frames.

1,466,506. DAUBER FOR LIQUID BLACKING AND THE LIKE. CLEMENS A. HAASS, Boston, Mass., assignor to Tate Manufacturing Company, Boston, Mass., a Corporation of Massachusetts. Filed Apr. 28, 1922. Serial No. 557,130. 1 Claim. (Cl. 15—209.)



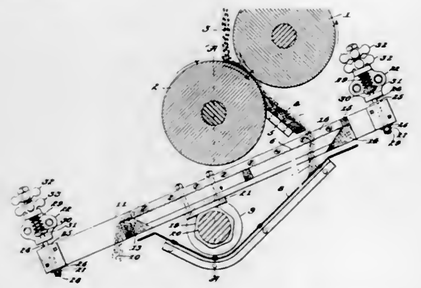
The dauber or swab above described, consisting of a handle of twisted wire having an elongated loop at one end; a dauber-head, made up of two semi-cylindrical parts of soft fabric, connected along the longitudinal center of their flat faces by a nexus of hard fabric integral therewith, the nexus secured within the elongated loop.

1,466,507. ELECTRIC SWITCH. WILLIAM H. HARRINGTON, Hartford, Conn., assignor to The Arrow Electric Company, Hartford, Conn., a Corporation of Connecticut. Filed Nov. 27, 1922. Serial No. 603,583. 10 Claims. (Cl. 200—65.)



1. An escapement mechanism for a rotary snap switch, comprising a rotary switch spindle, a switch blade member freely mounted thereon, a switch-operating spring operatively interposed between said spindle and switch blade member, stationary base plates in which said spindle is journalled, a cam arranged between said plates and fast with the spindle, a plurality of detents engaged by said cam and moved thereby through said plates into freeing and detaining positions, together with a member rotating with the switch blade member and cooperating with said detents.

1,466,508. SCALPER SIEVE FOR MILLS. EDMUND F. LAKE, Owensboro, Ky., assignor to Anglo American Mill Co., Owensboro, Ky., a Corporation of Kentucky. Filed Mar. 18, 1920. Serial No. 366,774. 5 Claims. (Cl. 130—15.)

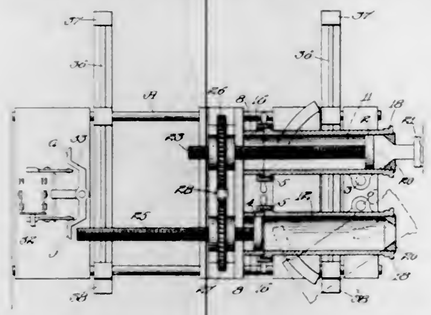


1. In a scalper sieve for mills, the combination with a frame and sieve mounted therein, of means for supporting said frame in an inclined position comprising a stationary bracket above the frame, a rod attached to the frame and extending upward through a passage in the bracket, means on the rod above the bracket for limiting downward movement of the frame, a spring interposed between an abutment on the rod and the bracket, and a rotary cam mounted below and adapted to intermittingly move the frame upward in opposition to the action of the spring.

1,466,509. CANDY-MAKING MACHINE. WILLIAM B. LASKEY, Marblehead, Mass. Filed Dec. 16, 1920. Serial No. 431,254. 7 Claims. (Cl. 107—14.)

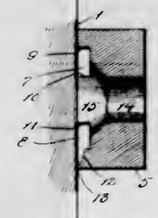
6. In a machine of the character described, in combination, a receiving device for the product, a pair of cylinders, pistons in said cylinders, a frame on which said cylinders are mounted side by side, a track, said frame being slidable on said track to permit said cylinders to be shifted relatively to said receiving device to present the working

cylinders alternately to the receiving device, a source of power on said frame, means operated from said source of



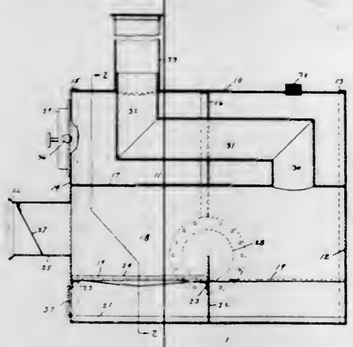
power for moving said pistons simultaneously in opposite directions, and means operated by said pistons for reversing the direction of movement thereof.

1,466,510. PISTON OR PACKING RING. FRED A. MILLER, St. Louis, Mo. Filed Nov. 13, 1922. Serial No. 600,670. 4 Claims. (Cl. 74—109.)



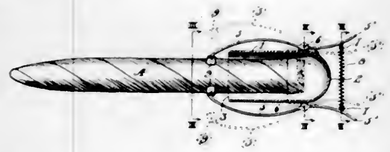
1. A split resilient piston-ring having a pair of spaced circumferential grooves upon its outer peripheral face, and a series of circumferentially spaced radial ducts intermediate the grooves, said ducts being open to both said grooves and to the inner peripheral face of the ring.

1,466,511. CRACKING FURNACE. FRANK PFEIFER, Minneapolis, Minn. Filed May 1, 1922. Serial No. 557,586. 5 Claims. (Cl. 110—7.)



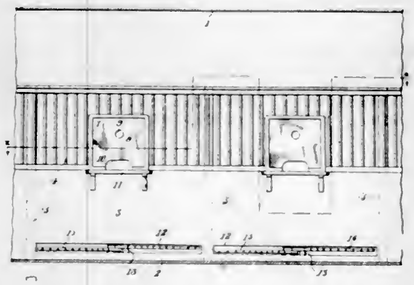
1. In a cracking furnace, the combination of a wagon top outer shell having an internal combustion chamber extending its full length with a smoke flue leading from the rear of said combustion chamber out to the atmosphere through the forward end of said wagon top shell, a charging door at the forward end of said shell above said combustion chamber, and cleanout doors in the sides of said wagon top shell.

1,466,512. ASH-RECEPTACLE ATTACHMENT FOR CIGARS. JAMES V. PIZZINO, Harrisville, Pa. Filed June 7, 1921. Serial No. 475,617. 2 Claims. (Cl. 131—51.)



2. An ash receptacle attachment for cigars and the like comprising a receptacle having an open end, gripping levers carried by the side walls of the receptacle and extending beyond the open end thereof, handle extensions carried by the gripping levers and extending beyond the closed end of the receptacle and a compression coil spring positioned between the handle extensions.

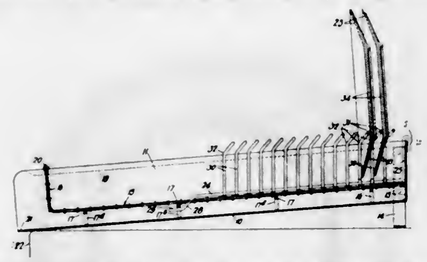
1,466,513. SAFETY APPLIANCE FOR BANK TELLERS. ANTHONY RIBARIC, St. Michael, Pa. Filed Mar. 16, 1922. Serial No. 544,307. 1 Claim. (Cl. 43—59.)



A safety appliance for banks comprising in combination with the front wall of a cage wherein said front wall has a longitudinally extending cut away portion formed adjacent the lower end thereof, a pair of gripping arms pivotally mounted within said cage rearwardly of said cut away portion and adapted to be projected therethrough for movement toward each other, said mounting including a perpendicular stationary post, the gripping arms being pivotally mounted upon said post, spring devices associated with said post and arms for moving the same outwardly of said cut away portion, means for retaining the gripping arms in a retracted set position, and manually operating means for said last named means adapted to release the gripping arms to permit the same to move through said cut away portion, said manually operating means including a trip lever pivoted at its outer end, a trip rod pivoted at its lower end to said trip lever and at its upper end provided with hooks to retain the gripping arms in an inoperative position, and a spring associated with the inner end of the trip lever to retain said trip lever in an inoperative position.

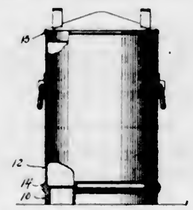
1,466,514. DISH DRAINER. RICHARD M. SMYTHE, Boonton, N. J., assignor, by mesne assignments, to Rex Metal Products Co., Inc., Brooklyn, N. Y., a Corporation of New York. Filed June 16, 1921. Serial No. 477,912. 11 Claims. (Cl. 141—11.)

1. In combination, a drainer-pan, a detachable grid in said pan, and a detachable plate-rack comprising both a set of spaced rack members and supporting means therefor, said supporting means having at one end means



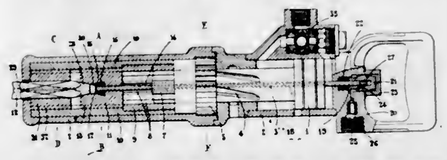
to hook over the drainer-pan, and also having means at its other end to pass through the meshes of the grid to lock the rack.

1,466,515. MILK CAN. ADOLPH F. STOELTING, Kiel, Wis., assignor to Stoelting Bros. Company, Kiel, Wis., a Corporation of Wisconsin. Filed Nov. 8, 1921. Serial No. 513,836. 1 Claim. (Cl. 113—116.)



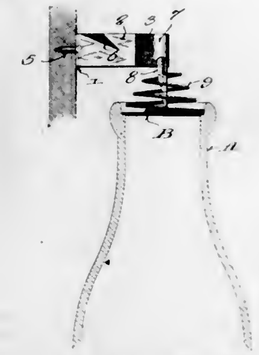
The method of constructing the bottom of a container consisting of assembling a hoop, a disc member having an edge extending circumferentially beyond said hoop and the outwardly directed flange of a cylindrical member, bending the edge of the disc and the flange downwardly over said hoop, and welding the hoop, the flange, and the edge of the disc together so as to form an annular bead.

1,466,516. PERCUSSIVE ROCK DRILL AND THE LIKE. RAYNAR DE HELE ST. STEPHENS, Camborne, and ALFRED EWING, London, England. Filed Apr. 26, 1921. Serial No. 464,598. 4 Claims. (Cl. 121—6.)



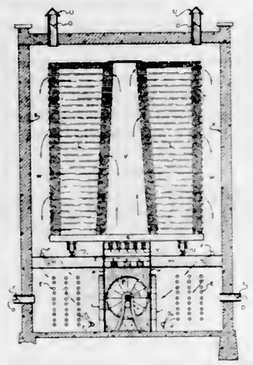
1. A percussive rock drill comprising a cylinder with a handle portion, a piston with a central bore adapted to work in said cylinder, means for controlling the supply of fluid for operating said piston, a drill steel having a central bore and a tapered head, said drill steel being mounted in said cylinder, an anvil block slidably mounted in the cylinder between the piston and the drill steel and adapted to receive the tapered head of the drill steel, a stuffing box and gland in the handle portion, a tube passing concentrically through the anvil block and having one end secured thereto, said end being adjacent the central bore in the drill steel, said tube being adapted to slide through the central bore of the piston, whilst its other end is adapted to slide through the gland, and means for supplying liquid to the end of the tube sliding through the gland.

1,466,517. MILK-BOTTLE CAP REMOVER. SAMUEL A. STRZELCZYK, Milwaukee, Wis. Filed Sept. 18, 1922. Serial No. 588,882. 1 Claim. (Cl. 65—47.)



In a device of the character described, comprising an attaching bracket, a barbed prong depending therefrom, and a coil spring normally surrounding the end of the prong and serving as a guard for the same, said spring having one end rigidly connected with the prong, and the other end free to center a bottle with relation to the prong and permit the cap to be impinged thereon.

1,466,518. REVERSIBLE CIRCULATION INTERNAL FAN KILN. ROLF THELEN, Madison, Wis., dedicated, by mesne assignments, to the citizens of the United States of America. Filed May 19, 1923. Serial No. 640,280. 14 Claims. (Cl. 34—46.) (Filed under the act of Mar. 3, 1883, 22 Stat. L., 625.)

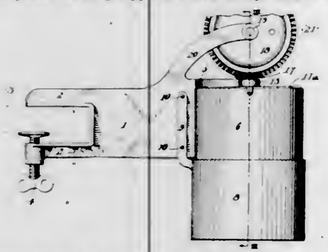


1. In a dry kiln arranged for flatwise end piling: a series of fans; a shaft on which the fans are mounted for rotation; means for rotating said shaft in either direction to cause reversal of the circulation of the air and vapor in said kiln; and an air distributing system comprising side deflecting partitions, a main air distributor, and two sets of diffusers.

1,466,519. VEGETABLE CUTTER. JOHN VISTINE, Cicero, Ill. Filed May 11, 1923. Serial No. 638,318. 2 Claims. (Cl. 146—124.)

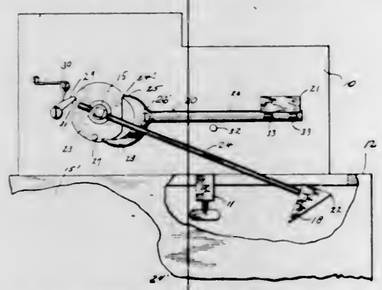
1. In a vegetable cutter, a casing, a lateral bracket arm projecting therefrom for mounting on a support, a vertical shaft journaled in the casing, a disk cutter carried by the lower end thereof, means for rotating the shaft, the connection between the casing and bracket arm including an arcuate plate extension carried by the

bracket arm secured to the casing, said disk cutter including a plate having opposite radial openings, a knife



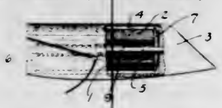
blade overlying each opening, and lateral arms carried by the arcuate plate having bearings at the ends in which the shaft is journaled.

1,466,520. BIRD AND ANIMAL TRAP. LOUIS H. BEAUCHAMP, Weston, Colo. Filed Mar. 2, 1921. Serial No. 448,970. 3 Claims. (Cl. 43—75.)



1. A trap consisting of a lever to retain a baiting means, escapement means having a rotatable disc normally and directly engaged and maintained inactive by said lever, said lever adapted to directly receive the prey being operable under the weight of prey, a trapping means operable by said escapement means, and coacting means on said lever and disc to reset said lever after an actuation.

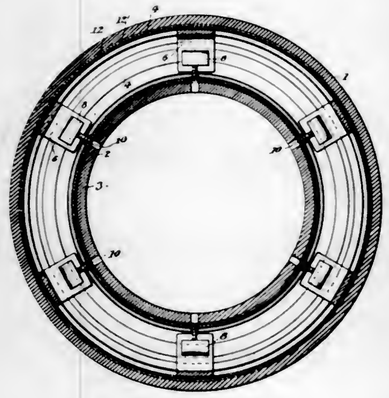
1,466,521. SHUTTLE BOBBIN. WILLIAM R. BERRYMAN, Brooklyn, N. Y. Filed Nov. 11, 1921. Serial No. 514,430. 1 Claim. (Cl. 112—232.)



The combination with a shuttle having a bobbin recess, and a bobbin supporting spindle in said recess, of a bobbin within said recess and mounted to rotate upon said spindle, said bobbin comprising a hollow paper cylinder upon which the thread is wound and journal members telescoping within the ends of said cylinder, separable therefrom and provided with axial openings for the reception of the shaft, said shaft extending within said cylinder and openings, said journal members being formed with thread retaining flanges.

1,466,522. RESILIENT TIRE. PIERINO DI CESARE, New York, N. Y., assignor to The Cesar Resilient Tire Corporation, New York, N. Y. Filed Mar. 31, 1922, Serial No. 548,405. Renewed May 10, 1923. 3 Claims. (Cl. 152—5.)

3. A resilient automobile tire comprising a casing, an inner tube formed of a series of flexible strips, said strips secured to transverse bands at spaced intervals to hold same in adjusted position, a padding positioned between the casing and inner tube, expansion blocks positioned



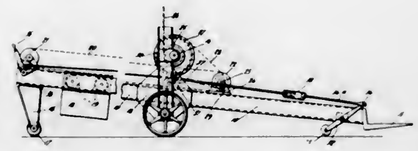
within said inner tube at spaced intervals and wedges carried by the felly of a wheel at spaced intervals for engagement with the expansion blocks to hold said casing and inner tube in an expanded position.

1,466,523. FABRIC STRETCHING AND CLAMPING DEVICE. JOHNNIE E. DONOHO, Milton, Iowa. Filed June 1, 1922. Serial No. 565,261. 5 Claims. (Cl. 140—109.)

1. A device for the purpose set forth comprising a support for a roll of screen fabric adapted to have the web thereof extended therefrom and connected to a screen frame for the screening of the opening formed by the frame, a screen frame shifting element arranged in advance of said support and adapted to be positioned against the frame when the fabric web is extended forwardly from the roll and support and connected to the frame for screening the opening formed thereby, means carried by said support forwardly of the roll and arranged rearwardly of said element for clamping the extended fabric web inwardly of its connected end, means slidably mounted in said support for connecting said element therewith, oppositely disposed synchronously operating members for shifting said means and said element with the frame forwardly to draw taut that portion of the web extended forwardly from said clamping

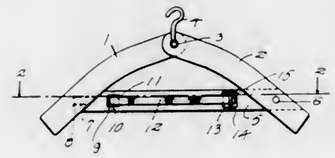
means, pin and slot connections between said members and said slidable connecting means, operating means for said members, and means for pivotally connecting said members to the operating means.

1,466,524. BALANCING CARRIAGE FOR CONVEYING HEAVY GOODS. HENRY FOLLAND, Blackpill, near Swansea, and JOHN OLIVER POWELL, Gorseinon, Wales. Filed Aug. 28, 1922. Serial No. 584,767. 12 Claims. (Cl. 294—67.)



1. An automatic balancing carriage for the transportation or conveyance of heavy goods, comprising a carriage supported on wheels in the neighborhood of its centre, means for supporting the load at one end of the carriage, means for supporting the opposite end in a position above the ground surface, a movable counterbalance weight mounted on the raised end of the carriage, a suspension member rotatably mounted on said carriage, a flexible hauling member wound on and attached to said suspension member, means between said suspension member and said movable weight for locating the latter to counterbalance the load, and means for automatically locking said weight in the counterbalancing position, for the purposes set forth.

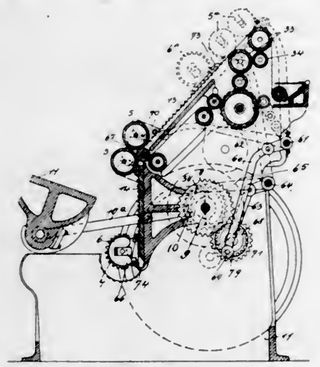
1,466,525. CLOTHES HANGER. ERIK GADDA, Silverton, Oreg. Filed Apr. 13, 1922. Serial No. 552,129. 1 Claim. (Cl. 211—13.)



A clothes hanger comprising a pair of arms arranged in spaced parallel relation, an arm having one of its ends received between said pair of arms, a pivot passing through all of said arms, a brace member having one of its ends received between said pair of arms, a pivot passing through said arms and said end of the brace member, said brace member having its other end reduced to form a projection and a shoulder, and said second named arm having a socket to receive said projection when the hanger is in set-up condition, the inner edge of the arm having the socket adapted to rest against the shoulder of the brace when the projection is within the socket.

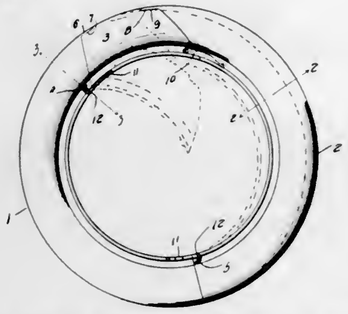
1,466,526. PRINTING MACHINE. EDUARD GROSSE, Wachwitz, near Dresden, Germany. Original application filed May 5, 1921, Serial No. 467,187. Divided and this application filed June 9, 1922. Serial No. 567,233. 3 Claims. (Cl. 101—315.)

1. In improvements of platen presses the combination of a platen, a form arranged above the path of the platen, an elastic flat form situated on the printing level of the platen and to-and-fro moving inking rollers; means of moving them over the form, and a transfer cylinder,



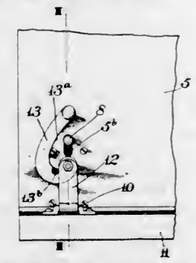
also means of moving this transfer cylinder over the elastic flat form and the form and an inking arrangement, exactly as described.

1,466,527. TUBULAR FOLDING AND COLLAPSIBLE CORE. ARTHUR J. GUILEY, Hartville, Ohio. Filed Jan. 14, 1922. Serial No. 529,231. 2 Claims. (Cl. 18—45.)



1. A collapsible core having a plurality of sections, a key section for disposition between them, a releasable catch forming a joint between two of the sections, and interengaging hooks and pins forming the remaining points between the sections and enabling pivotal movement and detachment of the sections.

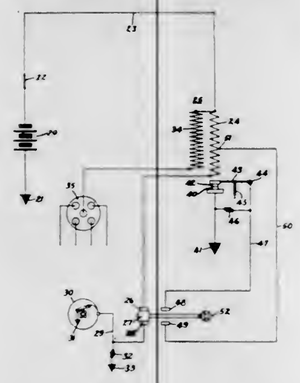
1,466,528. HOOD HOOK FOR MOTOR VEHICLES. WILLIAM H. HOLMES, Columbus, Ohio. Filed June 13, 1922. Serial No. 567,902. 1 Claim. (Cl. 292—241.)



In combination with a hinged motor vehicle hood and its sill, a spring held button on said hood, said button

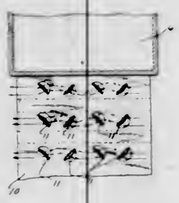
projecting to the exterior thereof, a link hinged to the sill to swing outward therefrom, a lever fulcrumed in said link to permit the lever to swing in a plane substantially parallel with the outer face of the hood, said lever having a cam edge of gradually increasing radius with reference to its fulcrum to engage said button to increase the tension of the spring when the lever is drawn over the button to hood-securing position substantially as described.

1,466,529. IGNITION SYSTEM. JOHN H. HUNT, Dayton, Ohio, assignor to The Dayton Engineering Laboratories Company, Dayton, Ohio, a Corporation of Ohio. Filed Apr. 2, 1921. Serial No. 457,890. 2 Claims. (Cl. 123—148.)



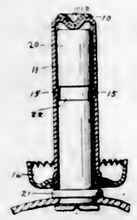
2. In an ignition system, the combination with a current source and an ignition coil having primary and secondary windings; a timer; a trembler in magnetic relation to said coil; and means for connecting all of the primary turns of the coil, with the timer and current source, or for connecting the current source and trembler with a portion of the primary turns of the coil.

1,466,530. RADIATOR CONSTRUCTION. JENS M. JENSEN, Racine, Wis. Filed Apr. 29, 1920. Serial No. 377,524. 1 Claim. (Cl. 257—130.)



A radiator comprising a plurality of pairs of nested water tubes formed with lateral projections which are so arranged that the projections of one tube of each pair cooperate with those of the other tube so that a plurality of air passageways therebetween are provided, and a plate interposed between the tubes of each pair, said plate having alternately disposed fins struck therefrom thereby providing a plurality of openings in said plate through which the air currents may pass, said fins being alternately inclined with respect to the vertical, whereby the respective air currents are directed upwardly and downwardly as they pass from one side of the plate through the openings therein to the other side of the plate.

1,466,531. TOP-BEARING CASTER SOCKET. NELSON C. JOHNSON, Meriden, Conn., assignor to Foster, Merriam and Company, Meriden, Conn., a Corporation of Connecticut. Filed Aug. 5, 1921. Serial No. 489,973. 3 Claims. (Cl. 16—43.)

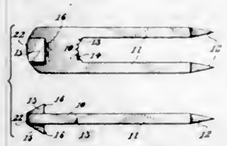


1. A caster socket comprising a plurality of strips of metal crossed at substantially the mid lengths thereof, the free ends bent at substantially right angles to form a tubular body, and the walls of the strips at the point of crossing being embossed to form complementary projections and recesses in nested relation.

1,466,532. PHOTOGRAPHIC TRANSFER PROCESS. FRANK WILLIAM KENT, Streatham Hill, London, England. Filed Dec. 6, 1921. Serial No. 520,243. 3 Claims. (Cl. 41—33.)

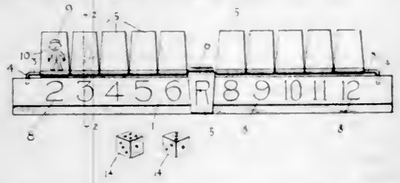
1. A process for the production of a photographic transfer print which consists in coating the mount with a liquid which when dry possesses a reflecting or shiny surface and in laying a transfer print having a substantially matt surface upon the said liquid and causing it to adhere without the application of pressure, for the purpose specified.

1,466,533. STAPLE. STANLISOUS KOSIENSKI, Vernon, N. Y. Filed Dec. 19, 1922. Serial No. 607,788. 2 Claims. (Cl. 85—49.)



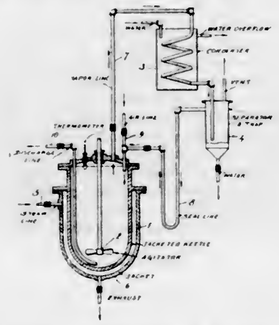
1. In a staple of the class described, a shank, a plurality of prongs extending from the inner end of said shank, shoulders extending laterally from said shank, and depending projections carried by said shoulders.

1,466,534. ADVERTISING TOY. CHARLES WASHINGTON KUEN, Chicago, Ill. Filed Apr. 3, 1922. Serial No. 549,116. 3 Claims. (Cl. 46—63.)



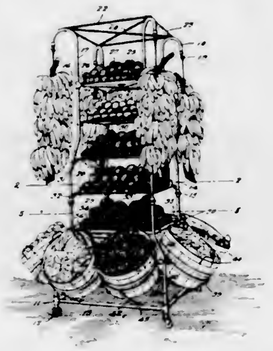
1. A device of the character described comprising a base, a rod mounted on said base arranged to lie parallel to the upper surface thereof, and a plurality of markers hingedly mounted on said rod, said markers adapted to be moved into one plane and to be selectively or collectively hinged out of said plane at will, the backs of said markers having letters imprinted thereon to be viewed when said markers are hinged out of said plane as in progress of a game played therewith, said base having numerals thereon, one in front of each of said markers.

1,466,535. MANUFACTURE OF TRIARYL GUANIDINES. LUCAS P. KYRIDES, Buffalo, N. Y., assignor to National Aniline & Chemical Company, Inc., New York, N. Y., a Corporation of New York. Filed June 15, 1922. Serial No. 568,630. 12 Claims. (Cl. 260—125.)



1. The method of producing triarylguanidines which comprises heating a solution of an arylamine and a diarylthiourea with an inert hydrocarbon solvent immiscible with water in the presence of a desulfurizing agent and simultaneously removing by distillation the water formed in the reaction.

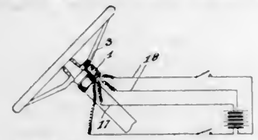
1,466,536. DISPLAY STAND. WILLIAM A. J. LOWE, Johnson City, Tenn., assignor to Universal Manufacturing Company, Johnson City, Tenn., a Corporation of Tennessee. Filed Feb. 23, 1921. Serial No. 447,146. Renewed June 1, 1923. 2 Claims. (Cl. 211—14.)



1. A display rack comprising a frame formed as a plurality of uprights connected at intervals by longitudinal and transverse bars, certain of said uprights terminating in downwardly extending portions provided with hooks, a plurality of hoops supported between said uprights at the lower portions thereof and arranged in inclined position, said hoops being adapted to support baskets, and a plurality of shelves secured between the intermediate portions of said uprights.

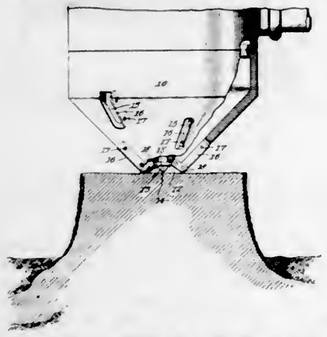
1,466,537. LOCK. CHARLES M. MCCARTHY, Norfolk, Va. Filed Feb. 18, 1922. Serial No. 537,592. 3 Claims. (Cl. 70—50.)

1. In a lock of the class described including a frame having aligned openings formed therein, a locking bolt movable through the frame and mounted in said openings, said bolt having spaced openings formed therein, the combination of springs, means operative to impart movement to said bolt to move the same to a locked position, electrical means to retract the bolt to compress the spring, spring operated means disposed at right angles



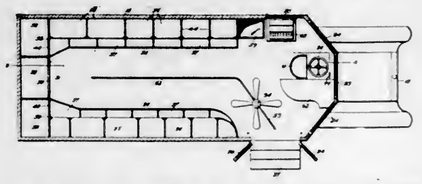
to the bolt and adapted to engage with said openings to retain the bolt in a locked or unlocked position and electrical means to retract said retaining means.

1,466,538. SHORTENED CONICAL CUTTER HEAD. EDWIN A. MCKOY and GEORGE D. MOORE, New Orleans, La. Filed May 23, 1921, Serial No. 471,626. Renewed July 16, 1923. 12 Claims. (Cl. 144—219.)



1. A cutter head comprising a conical body truncated and formed with a cavity within the perimeter of truncation, and cutters carried by the head conforming substantially to the lines of the cone and the cavity.

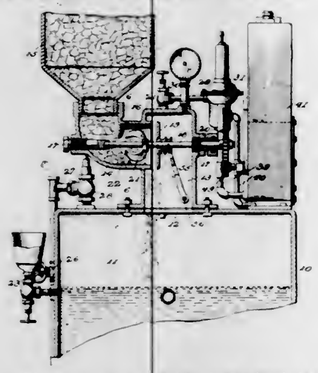
1,466,539. ITINERANT VENDING AND SALES VEHICLE. CLYDE W. MARTIN, Little Rock, Ark., and LEONARD E. HOFFMAN, St. Louis, Mo. Filed Jan. 14, 1921. Serial No. 437,266. 7 Claims. (Cl. 296—24.)



1. A vehicle for vending or sales purposes comprising a chambered body having a combined entrance and exit opening at the forward end of one side thereof, a railing within said body and terminating at one end at a point in proximity to the rear end of said body, said railing having the major portion thereof disposed longitudinally and centrally of said body and having the remaining part thereof arranged at the forward portion of and disposed diagonally with respect to said body and extending to a point in close proximity to said opening, said railing providing said body throughout with continuous entrance and exit passageways, the former leading from and the latter to said opening, a driver's seat at the forward end of said body in proximity to the forward end of said body in proximity to the forward end of said exit passageway, a normally closed and easily opened emergency exit door at the forward end of the other side of said body and in proximity to said driver's seat, article display devices arranged within said body at the sides and rear end there-

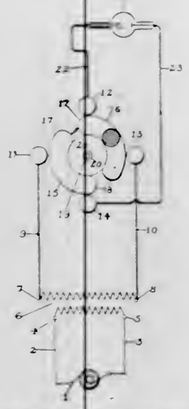
of, and a turn-stile having its operating shaft disposed intermediate the ends of said diagonal portion of the railing, said turn-stile extending into each of said passageways.

1,466,540. ACETYLENE-GAS GENERATOR. ROWLAND W. MILLER, Williamstown, W. Va. Filed Oct. 17, 1921. Serial No. 508,070. 2 Claims. (Cl. 48—54.)



1. In a gas generator, a fluid casing having an upper carbide intake, a valve casing secured over the intake, a carbide container, a feed elbow having vertical and horizontal portions, the vertical portion of which supports said container and the horizontal portion of which opens laterally into the valve casing and has an annular lip projecting inwardly beyond the walls of said valve casing forming a valve seat, and an internal baffle member across its upper portion and spaced from the valve casing, a valve in the valve casing shiftable toward and away from said seat and adapted to control the flow of carbide from the elbow, a shaft extending through the valve casing and axially through the horizontal portion of the feed elbow and upon which said valve is loosely guided and movable, and a feed member secured on and rotatable with said shaft in the feed elbow between the said baffle member and the valve casing, said feed member consisting of spirally curved feed arms rigid at one end with the shaft and tapering to relatively sharp free ends as described.

1,466,541. RECTIFIER FOR ELECTRIC CURRENTS. MONTFORD MORRISON, New York, N. Y. Filed Apr. 12, 1921. Serial No. 460,835. 22 Claims. (Cl. 175—364.)

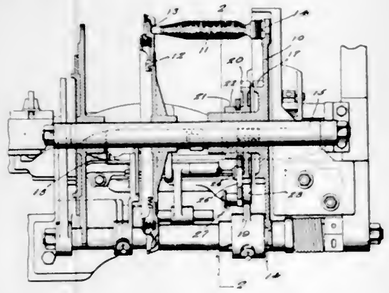


1. In a high voltage electrical system, the combination with a source of substantially periodically varying high tension current, of a load and a synchronous rectifier comprising a plurality of electrodes spaced apart substantially equal distances circumferentially, and relatively rotatable arc-shaped electrodes having an angular extent in excess of the angular distance between adjacent pairs of said first-mentioned electrodes, said relatively rotatable electrodes having radii of curvature in two directions of such dimensions as to substantially eliminate corona.

7. A rotary rectifying switch for X-ray apparatus comprising a shaft and a pair of conducting members mounted thereon, said members comprising substantially spheroidal ends connected by an arc-shaped member, the radii of said ends being at least several per cent of the radius of said arc-shaped members as determined with respect to the shaft on which said members are mounted.

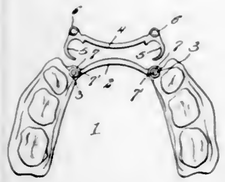
14. In a device of the class described, cooperating electrodes having a configuration which presents a rounded contour on substantially all exterior portions whereby corona is substantially eliminated, one of said electrodes being hollow.

1,466,542. BATTERY FEED FOR AUTOMATIC LOOMS. ELZIE V. MOSLEY, Caroleen, N. C., assignor to Newton J. James and Martin R. Reed, both of Caroleen, N. C. Filed Apr. 6, 1922. Serial No. 550,060. 4 Claims. (Cl. 139—250.)



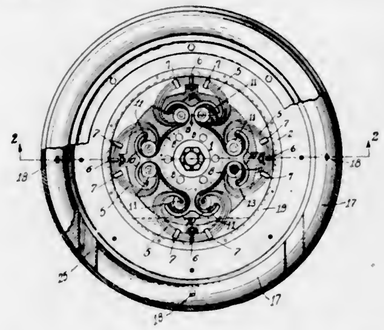
1. The combination with a weft replenishing loom including a rotatable magazine and a transferrer for transferring the weft carriers from the magazine to the loom shuttle, of a ratchet gear secured to the magazine, a member pivotally secured to the transferrer and including an offset yoke, a dog carried by said member and engaging the ratchet gear to rotate the latter by the operation of the transferrer and a grooved hub carried by the ratchet gear for receiving the yoke to provide a guide for said member.

1,466,543. DENTURE. IRA G. NICHOLS, Mandan, N. Dak. Filed June 24, 1921. Serial No. 480,119. Renewed May 15, 1923. 3 Claims. (Cl. 32—12.)



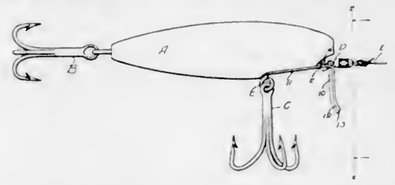
1. A removable denture attachment comprising a resilient bar having clasps associated therewith for engaging abutment teeth and presenting vertical cylinders, a denture or restoration part, and a spring bar carrying said part and having vertical pistons engageable in the said vertical cylinders of the other bar.

1,466,544. SPRING HEEL. FAUSTINO PALOMBO, Bedford, Ohio. Filed Oct. 27, 1922. Serial No. 597,309. 5 Claims. (Cl. 152—28.)



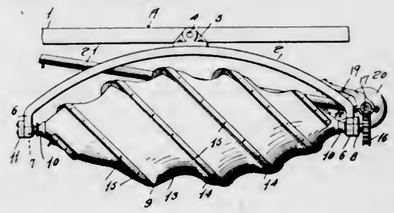
1. A spring wheel, comprising an inner member, an outer member, bow springs interposed between the members, and at their intermediate portion secured to one member, and at their ends having movable engagement with the other member, and arcuate tracks on the last mentioned member guiding the movement of the ends of the springs.

1,466,545. ARTIFICIAL BAIT. PETER E. PETERSEN, Boston, Mass.; Frank Leveroni administrator of said Peter E. Petersen, deceased. Filed Jan. 6, 1921. Serial No. 435,463. 2 Claims. (Cl. 43—46.)



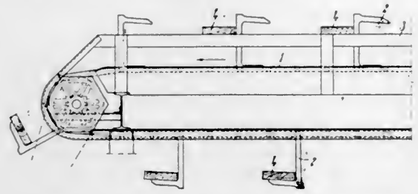
1. An artificial bait comprising a body adapted to be attached to a fish line, and a plate thereon at the under side of the body adjacent to the front end and projecting downwardly at the under side at approximately a right angle to the axis of the body, said plate having a rearwardly extending shank secured to the body at the under side, the lower portion of said plate curving forwardly, the extreme edge representing the arc of a circle struck approximately from the longitudinal axis of the body.

1,466,546. AUTOMOBILE SLEIGH. ANDREW J. PIDGEON, St. Ferdinand of Halifax, Quebec, Canada. Filed Sept. 18, 1918, Serial No. 254,632. Renewed Jan. 18, 1923. 1 Claim. (Cl. 180—3.)



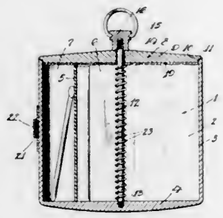
An automobile sleigh including a chassis and a driving medium, bowed shaped members having their central portions pivoted to the chassis and having their ends bent and disposed vertically, stub shafts journaled in the ends of said members, ground engaging elements secured to said stub shafts, means connecting said bowed shaped members to cause them to move in unison, rearwardly extending brackets secured to the rear ends of the bowed shaped members and projecting beyond the rear end of the chassis, shafts journaled to said brackets and extending transversely of the chassis and located rearwardly thereof, worm gearing connecting the outer ends of the second shafts to the rear ends of the rear stub shafts, and means connecting the inner ends of the second shaft to the driving medium.

1,466,547. LUMBER-TRANSPORTING DEVICE. LEON NORDSTRÖM, Stockholm, Sweden. Filed July 26, 1922. Serial No. 577,674. 1 Claim. (Cl. 198—173.)



In a transporting device for lumber the combination of a substantially horizontal transporting table, endless chains arranged side by side below said transporting table, and carrier hooks attached to said chains, the hooks in the upper portion of each chain reaching a distance above the said transporting table, a portion of each hook being substantially parallel with the path of the chains and of such length that the lumber can rest thereon when the hooks are turned downwards, substantially as and for the purpose set forth.

1,466,548. WATERPROOF CIGARETTE CASE. JAMES LEWIS RANEY, Cleveland, Ohio. Filed July 23, 1921. Serial No. 487,078. 3 Claims. (Cl. 206—41.)

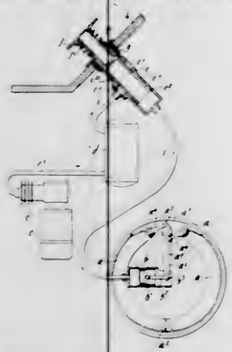


1. A receptacle comprising a body and a closure therefor, a rod fixed within the body and extending at one end through the closure a nut threaded onto the said end of the rod and binding the closure in place, and a spring upon the rod bearing upwardly against the closure to elevate the same when the nut is loosened.

1,466,549. BRAKE FOR VEHICLES. FREDERICK HENRY ROYCE, Derby, England, assignor to Rolls Royce Limited, Derby, England, a Company of Great Britain. Filed Oct. 10, 1922. Serial No. 593,543. 4 Claims. (Cl. 303—54.)

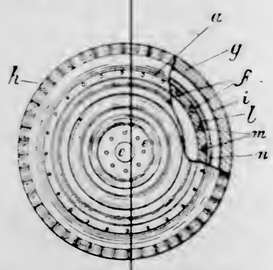
1. A pneumatic operating system comprising a source of fluid pressure; a valve mechanism embodying a cylinder having inlet and exhaust ports in its walls, a hollow, cylindrical piston having inlet and exhaust ports adapted to be brought into and out of registration with the corresponding first-named ports, and an operating element connected to said piston; a pressure cylinder; a piston

therein; a conduit leading from the source of presure to the inlet port of the valve cylinder; and a separate con-



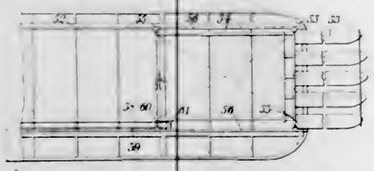
duit leading from the valve cylinder to the pressure cylinder for supplying pressure to the latter cylinder to operate the piston therein.

1,466,550. RESILIENT WHEEL FOR MOTOR AND OTHER LIKE VEHICLES. THOMAS HENRY RUSHTON, Birmingham, England. Filed Dec. 1, 1922. Serial No. 604,403. 2 Claims. (Cl. 152—28.)



1. A resilient wheel for motor and other like vehicles, including motor cycles, cycles, motor busses, and motor lorries, charabancs, or other heavy vehicles, having two metal discs forming the wheel which is resiliently suspended from a tubular steel ring embedded in a tyre of bifurcated formation with a tread of substantial thickness, inwardly projecting flanges integral with the side walls of the tyre, apertures for receiving the triangular shaped distance blocks with the vertex rounded off, and the discs are suspended from the tubular steel ring substantially as described.

1,466,551. AIRCRAFT, SUBMARINE, TORPEDO, AND OTHER TOTALLY IMMERSED CRAFT OR STRUCTURE. ALBERT PETER THURSTON, London, England, assignor of two-thirds to The Bristol Aeroplane Company Limited, Bristol, England, a British Company. Filed Dec. 6, 1921. Serial No. 520,387. 3 Claims. (Cl. 244—29.)



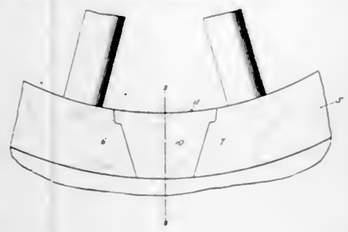
1. An aeroplane wing comprising a main plane, an aerofoil group having individual rigid pinions of a higher lift per unit area than the main plane and arranged at the end of the main plane, and means for adjusting said group into and out of operative positions to produce at will the required degree of bank of suction and compression at the end of the main plane, substantially as described.

1,466,552. SHOE. WILLIAM C. HABBERLEY, Lynn, Mass. Filed Nov. 4, 1921. Serial No. 512,804. 1 Claim. (Cl. 36—50.)



In combination in a shoe, a vamp provided with a toe portion, a flexible combined protective and reinforcing membber of vamp-like form inclosing said toe portion and extended upon said vamp, the rear edge of said member terminating at a point forwardly of the rear edge of the vamp, said member having a portion thereof constituting a vamp guard and further cut away laterally to provide a ball strap extending from the inner side of said vamp guard portion and further spaced throughout from the inner end of the toe portion and the rear edge of the vamp, the intermediate part of the edge of said cut-away portion being rounded, said member extended between the vamp and the sole, means for securing the member, vamp and sole together, and means for securing the exposed edges of said member throughout to the vamp.

1,466,553. LOCK FOR DEMOUNTABLE RIMS. WILLIAM B. HENKEL, Baltimore, Md. Filed Dec. 9, 1920. Serial No. 429,389. 3 Claims. (Cl. 301—23.)

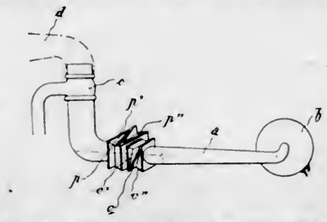


1. The combination with a demountable wheel rim having a sectional locking flange; of a lock for the sections of said flange comprising a double walled connector with an apertured web connecting one edge of the walls, said walls being disconnected at their other edge to slip over one edge and connect the sections of said locking flange, said connector fitting between the ends of said locking flange, said flanged ends and connector having interengaging elements, a projection carried by said rim to extend through the aperture in said web, and means to lock said projection and hold said connector in operative position, said connector lying wholly within the plane of the flange forming a smooth unbroken connection between the ends of the flange.

1,466,554. SOUND-ARM COUPLING FOR TALKING MACHINES. HORACE HURM, Paris, France. Original application filed Apr. 30, 1920. Serial No. 377,992. Divided and this application filed Aug. 9, 1921. Serial No. 490,997. 2 Claims. (Cl. 274—23.)

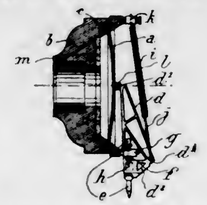
1. A tone arm coupling including a pair of bellows each comprising a frame arranged in the form of alternate

dihedral angles hingedly joined at their apexes, a flexible covering for the alterable surfaces of said bellows, said



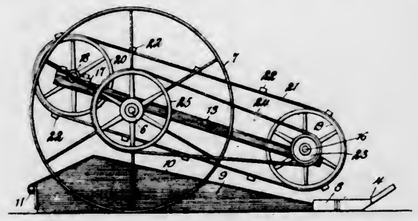
bellows being rigidly secured to each other, the hinges of one bellows being arranged at right angles to those of the other.

1,466,555. STYLUS SUPPORT FOR TALKING MACHINES. HORACE HURM, Paris, France. Filed Aug. 9, 1921. Serial No. 490,998. 5 Claims. (Cl. 274—35.)



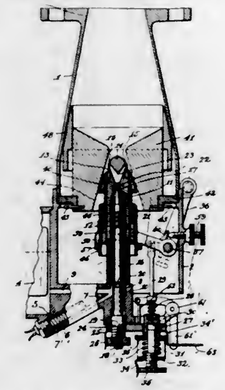
1. In combination a diaphragm, a stylus support arranged in front of said diaphragm, said stylus support comprising a flat member presenting its edge toward said diaphragm, said flat member being relatively narrow at the top and wide at the bottom, a projecting element at the top of said stylus support engaging said diaphragm, and a spring secured to said stylus support at the bottom for tensioning said projecting element against said diaphragm, the force of said spring being directed in a line almost perpendicular to the direction of oscillation of said stylus support when vibrating, so that the movements of said stylus support are resisted by a small component only of the entire force of said spring.

1,466,556. SEED-COLLECTING DEVICE. PHILIP M. IKELER and HERBERT D. MCDONALD, Moselle, Miss. Filed Apr. 17, 1922. Serial No. 553,486. 2 Claims. (Cl. 56—207.)



1. In a device for automatically gathering and storing seeds, or the like, the combination of a mowing machine, a shaft secured by a universal joint to the axle of the mowing machine, bars depending forwardly from the shaft, a traction wheel arranged on one end of the shaft, a pulley splined to the shaft, shafts arranged near the forward and rear end of the bars, pulleys arranged on the last named shafts, an endless belt having cleats thereon and passed around the pulleys, a comparatively small pulley arranged on one of the last-named shafts, a belt passing on the small pulley and also over the pulley of the first named shaft, cutting bars arranged below and in advance of all of the pulleys, a pan adapted to receive seed from the cutting bars, and a box arranged in rear of the pan and having a foraminous upper wall, substantially as and for the purpose set forth.

1,466,557. CARBURETOR. ROBERT E. L. JANNEY, Chicago, Ill.; Gardner L. Boothe executor of said Robert E. L. Janney, deceased. Filed May 7, 1920. Serial No. 379,537. 16 Claims. (Cl. 261—49.)

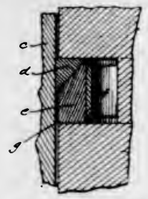


1. In a carburetor, a mixing chamber, a fuel supply means, inner and outer air supply means, inner and outer valves controlling said air supply means and placed in advance of the mixing chamber, and mechanical means for operating said valves, said means operating to open said outer valve after said inner valve is opened, and to close said outer valve before said inner valve is closed.

4. In a carburetor, a fuel supply means, an air admitting means, a mixing chamber having a discharge outlet for mixed fuel and air, an air supply means surrounding said discharge outlet, a secondary mixing chamber with which said air supply means communicates, a supplemental air supply means surrounding said secondary mixing chamber, sleeve valves controlling the said air supply means, a common means for operating said sleeve valves, and adjustable means whereby the successive operation thereof may be varied.

10. In a carburetor, a fuel supply means, a primary air supply means therefor, inner and outer air supply means, valves controlling said inner and outer air supply means, a needle valve for controlling said fuel supply, and a common control for said needle and air valves.

1,466,558. PISTON RING. ALFRED A. PANYARD, Detroit, Mich. Filed Dec. 23, 1920. Serial No. 432,694. 3 Claims. (Cl. 74—109.)



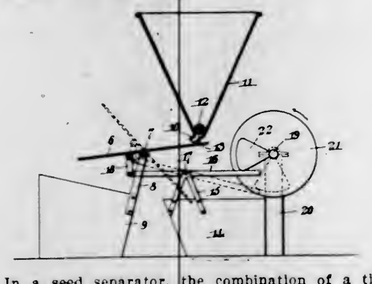
1. A piston packing comprising a pair of expansible rings of substantially different cross sectional area having conical meeting faces, the ring of larger area having an inner periphery of substantially the width of the groove in which the composite ring is to be used and the aggregate axial width of the two rings at their outer peripheries being greater than the axial width of such groove and when initially installed the ring of relatively lesser area projects beyond the periphery of the outer ring.

1,466,559. EXERCISING DEVICE. CHARLES G. PURDY, Brooklyn, N. Y. Filed Mar. 29, 1921. Serial No. 456,616. 4 Claims. (Cl. 46—69.)



1. A device for exercising the teeth comprising a plate adapted to correspond with the articulation of the user, and means connected with the plate for exerting traction on said plate whereby the teeth are positively exercised, as and for the purpose set forth.

1,466,560. SEED SEPARATOR. JAMES E. RAZE, Portland, Oreg. Filed Feb. 5, 1920. Serial No. 356,521. 3 Claims. (Cl. 130—18.)



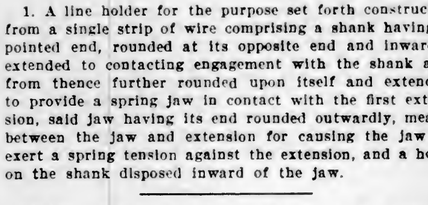
1. In a seed separator, the combination of a tilting platform, a centrally pivoted lever fulcrumed on one side of the center of the fulcrum of the platform and having one end thereof extending beyond the opposite side of the center of the fulcrum of the platform, a pivotal connection between such end of the lever and the adjacent portion of the platform, said lever being arranged below the level of the platform, means acting upon the opposite end of the lever for periodically tilting the same and the platform, and a hopper arranged immediately above the platform and having a controlling valve for directly discharging seed upon the platform.

1,466,561. PICTURE-FRAME HANGER. DAVE RENCSOK, Huntington, W. Va. Filed Oct. 30, 1922. Serial No. 597,924. 3 Claims. (Cl. 40—145.1.)



3. A tubular curved bracket having a wall-entering projection or projections at its lower end and a movable anchoring-pin at its upper end, a lever pivotally mounted within the tube and pivotally connected to said anchoring-pin, the arrangement being such that the weight of the picture applied to the free end of said lever will cause said pin to enter the ceiling.

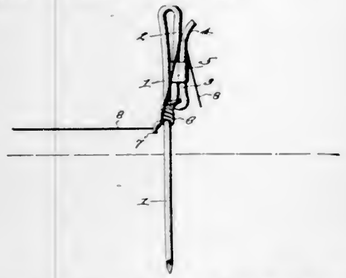
1,466,562. STOKER FURNACE. JOSEPH H. ROACH, Brookline, Pa.; Walter T. Roach executor of said Joseph H. Roach, deceased. Filed Dec. 18, 1919. Serial No. 345,816. 6 Claims. (Cl. 110—47.)



5. In a stoker furnace, a grate comprising movable bars, stationary bars and slicer bars interposed between certain of the stationary bars, said slicer bars being pivotally supported by adjacent stationary bars, substantially as set forth.

6. In a furnace, fuel-supporting means comprising a high pressure area and a plurality of low pressure areas separated thereby, independent sets of air passages supplying air to the different areas, a high pressure air duct for supplying air to the intermediate set of air passages, a low pressure duct for supplying air to the sets of air passages separated by the first set, and a single valve leading from the high pressure duct to the low pressure duct, substantially as set forth.

1,466,563. LINE HOLDER. WILLIAM OVERTON RUTHERFORD, Jackson, Tenn. Filed Dec. 1, 1922. Serial No. 604,334. 2 Claims. (Cl. 24—115.)

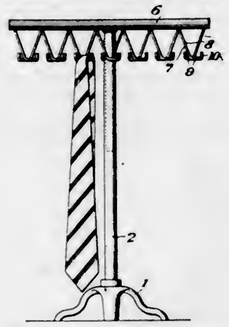


1. A line holder for the purpose set forth constructed from a single strip of wire comprising a shank having a pointed end, rounded at its opposite end and inwardly extended to contacting engagement with the shank and from thence further rounded upon itself and extended to provide a spring jaw in contact with the first extension, said jaw having its end rounded outwardly, means between the jaw and extension for causing the jaw to exert a spring tension against the extension, and a hook on the shank disposed inward of the jaw.

1,466,564. NECKTIE RACK. FREDERICK W. SAMUEL, New York, N. Y. Filed Aug. 18, 1922. Serial No. 582,685. 3 Claims. (Cl. 211—24.)

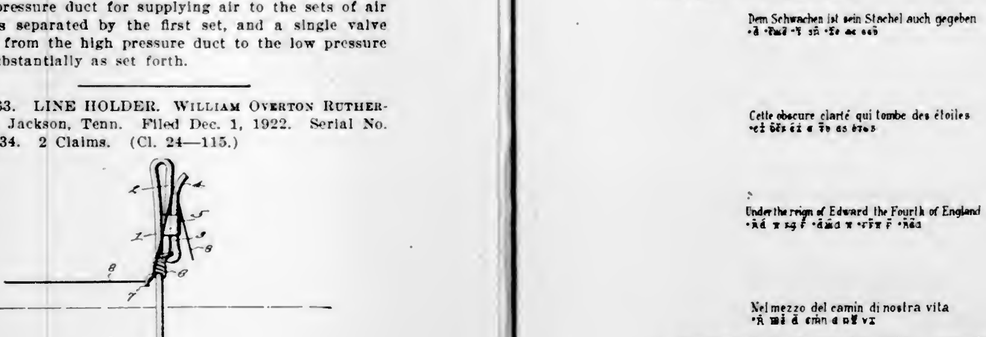
1. A necktie displaying rack comprising a base, a tubular standard, a post rotatably mounted in the top of said standard, a straight horizontally disposed bar secured to the upper end of said post to rotate therewith, and a row of necktie supporting hooks secured to said bar, said hooks having shanks extending downwardly and outwardly from the bar in parallel vertical planes all inclined at an angle to the bar and toward the same

end of the bar, each of said hooks having a horizontal tie-supporting portion extending outwardly from the lower end of its shank in the same angularly disposed



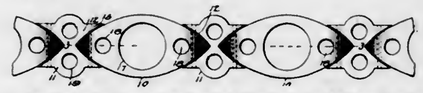
vertical plane as said shank and provided with an upwardly extending outer end portion to retain neckties in place on the horizontal tie-supporting portion of the hook.

1,466,565. CONTRACTED OR SHORTENED CHARACTERS FOR PRINT. ENOTRIO RIENZO SANTONI, Ancona, Italy. Filed Mar. 24, 1921. Serial No. 455,311. 3 Claims. (Cl. 283—46.)



1. Contracted character for print, comprising, in combination, a fundamental letter, symbolized secondary letters inserted in same, and symbolized mobile overhead letters superposed to same, such as described and illustrated.

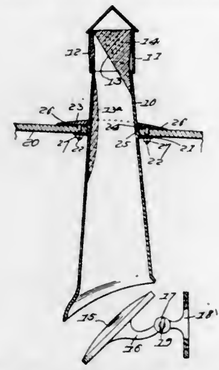
1,466,566. BRACELET. WILLIAM SEGMAN, New York, N. Y. Filed Aug. 29, 1922. Serial No. 585,069. 2 Claims. (Cl. 59—80.)



1. A bracelet composed of elliptical links and intermediate shorter links, the latter links having end recesses conforming to the tapered ends of the first-mentioned links together with pins passing transversely through the tapered ends of the first-mentioned links and through the intermediate links at the recesses thereof.

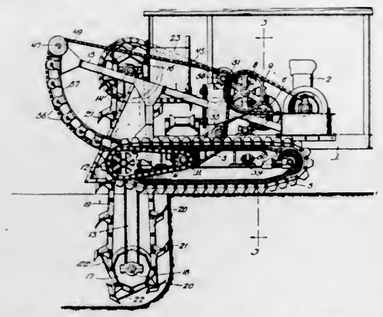
1,466,567. REFLECTOR FOR AUTOS. RAYMOND W. SMITH, Detroit, Mich. Filed Sept. 3, 1920. Serial No. 407,982. 1 Claim. (Cl. 88—1.)

A reflector for automobiles having a sight tube provided with a lateral flange for fastening to the under surface of a vehicle top and provided above the plane of the flange with a shoulder, an annular plate for arrangement in contact with the exterior surface of the vehicle top and having interlocking engagement with said



shoulder of the sight tube, bolts connecting the said plate with the flange, a washer interposed between the annular plate and the surface of the vehicle top, and a mirror adjustably mounted in the path of rays of light projected longitudinally through the sight tube.

1,466,568. EXCAVATOR. CHARLES E. STAHL and HANS J. BENTSON, Winthrop Harbor, Ill., assignors, by mesne assignments, to F. C. Austin Machinery Company, a Corporation of Illinois. Filed July 22, 1918. Serial No. 246,009. 10 Claims. (Cl. 37—86.)



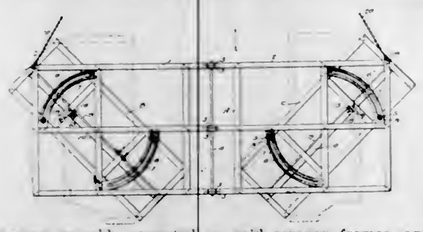
1. In a trenching machine, the combination of a supporting frame, a digging conveyer frame pivoted in the supporting frame, a flexible member for swinging said digging conveyer frame up out of the trench, and a guide for said member, said guide being fixed upon the supporting frame and curved about the pivot of the digging conveyer frame.

8. In an excavator, a body mounted on independently driven traction belts so that a short turn can be made, a trench cutter mounted in vertical working position and operable during such turning of said body, means to provide a transverse axis for tilting movement for said traction belts, and an equalizer connecting said body with said traction belt, said axis being disposed between said equalizer and said trench cutter.

1,466,569. ROAD-BUILDING AND DITCH-CLEANING MACHINE. GEORGE ARTHUR STEVENS, Ringwood, Ill. Filed May 20, 1922. Serial No. 562,311. 6 Claims. (Cl. 37—156.)

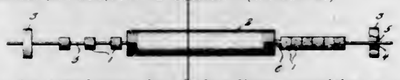
1. A machine of the character described, comprising a main frame composed of two sections hingedly connected,

a pair of scraper frames adjacent to the respective ends of the main frame and adjustably mounted thereon,



scrapers movably mounted on said scraper frames, and means for adjusting the scrapers to various angles relative to the scraper frame.

1,466,570. ATTACHMENT FOR CLOTHESLINES. EDNA B. SWINDLE, Lanark, Mont. Filed Jan. 3, 1922. Serial No. 526,774. 2 Claims. (Cl. 68—3.)



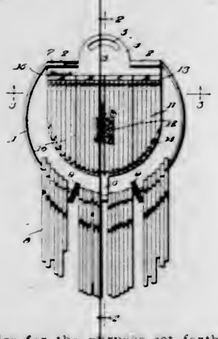
1. An attachment for clothes lines comprising a container having perforated ends for receiving the line and pads of tubular shape located in the container and adapted to be threaded upon the line.

1,466,571. PROCESS FOR AGGLOMERATING PULVERULOUS MATERIALS. CARL THEODOR THORSSELL and OTTO TROELL, Gottenborg, Sweden, assignors to Aktiebolaget Kvafveindustri, Gottenborg, Sweden. Filed Dec. 29, 1921. Serial No. 525,700. 6 Claims. (Cl. 18—55.)



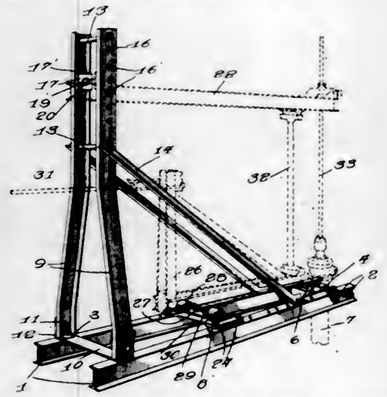
1. Process for agglomerating pulverous materials consisting in passing the material through two systems of heated, rotating cylinders, in the first of which systems the material is dried to a certain degree of wetness whilst the degree of wetness is kept approximately constant in the second system, where the agglomerating proper takes place, whereafter the material agglomerated in the second system is carried to a third system consisting of one or more heated, rotating cylinders and there dried.

1,466,572. KEY RING. LE ROY A. WALTERS, Miami, Fla. Filed Dec. 20, 1922. Serial No. 608,112. 2 Claims. (Cl. 40—10.)



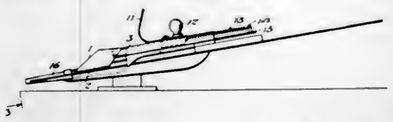
1. In a device for the purpose set forth, a spring loop having inwardly directed ends, a plate having one end hingedly connected to the loop and having its opposite corners provided with beads to receive the angle ends of the loop therein, said loop designed to have keys arranged thereon, and said plate having inscriptions to indicate the place of use of the several keys on the loop.

1,466,573. JACK FRAME FOR OIL WELLS. ROBERT E. ALEXANDER, Tulsa, Okla. Filed Mar. 2, 1922. Serial No. 622,336. 7 Claims. (Cl. 74—5.)



1. A portable jack frame for oil wells, comprising a pair of beams forming a base portion, a pair of clamps adjustably secured between said beams for gripping a well casing, means secured to said beams for supporting a rocking jack or V, uprights secured to said beams and means mounted on said uprights for supporting a pumping beam.

1,466,574. ATTACHMENT FOR HEMMERS. GEORGE J. AXT, Nutley, N. J. Filed Feb. 28, 1922. Serial No. 539,952. 4 Claims. (Cl. 112—136.)



1. An attachment for hemmers having a scroll and a support therefor, which comprises a plate attached to the support, said plate having a channel thereon, a sliding block mounted in the channel, a spring plate connected to the block, and a dependent finger on said spring plate, said finger adapted when operated to engage the material in the scroll to feed it.

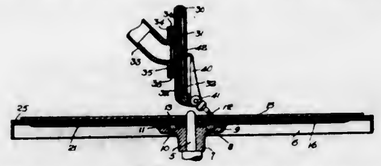
1,466,575. MANUFACTURE OF ARTIFICIAL PEARLS. LOUIS BONNET, Perpignan, France, assignor to Jean Paisseau, Paris, France. Filed Apr. 24, 1922. Serial No. 556,328. 4 Claims. (Cl. 49—77.)

1. In a process of manufacture of artificial pearls by means of a revoluble metal axle whereupon are disposed drops of glass or enamel, the application of a refractory and readily disaggregated coating upon the said revoluble axle before the said drops of glass or enamel are disposed thereon.

1,466,576. TABLE FOR TALKING MACHINES. JOSEPH F. BORST and WILLIAM BORST, Brooklyn, N. Y. Filed Feb. 1, 1921. Serial No. 441,603. 1 Claim. (Cl. 274—39.)

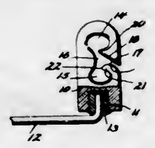
In a talking machine, a record supporting table, a mount therefor, said mount comprising a bearing member

for supporting said record table and secured to the under face thereof, a continuous circular groove formed in the



bearing member in its table engaging face, and mercury carried in said groove and freely movable with respect thereto, as and for the purpose set forth.

1,466,577. THREAD GUIDE FOR SPINNING MACHINES. FREEMAN CASS, Brooklyn, N. Y. Filed Feb. 17, 1922. Serial No. 537,219. 2 Claims. (Cl. 242—157.)



1. A thread guide for textile machines comprising a body having an upper eye and a lower eye and a channel extending between the bottom of said upper eye and the top of said lower eye, said channel opening into the bottom of said upper eye and into the top of said lower eye at points intermediate the front and rear walls of said eyes, the rear wall of said channel between its point of communication with said eyes being curved forwardly, said body also having an upwardly inclined slot extending rearwardly from one side thereof and communicating with said channel opposite the curved rear wall thereof, the material of said body between the bottom of said upper eye and the top wall of said slot forming an upper rearwardly projecting finger and the material between the upper wall of said lower eye and the bottom wall of said slot forming a lower rearwardly projecting finger, the inner end of said upper finger projecting rearwardly to a greater extent than said lower finger, and the rear wall of said lower eye being spaced from the rear wall of the guide a greater distance than the rear wall of said upper eye.

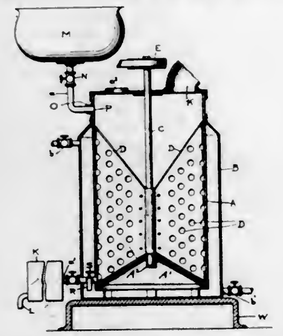
1,466,578. PYORRHEA REMEDY. ISABEL CLIFTON, Barberville, Fla. Filed Aug. 20, 1921. Serial No. 493,944. 3 Claims. (Cl. 167—9.)

2. A pyorrhea remedy containing an extract of myrtle root combined with honey, borax, alum, and alcohol in substantially the proportions specified.

3. The method of preparing pyorrhea remedy which consists in boiling two pounds of myrtle root in one gallon of water until the whole is reduced to substantially one-fourth its original quantity, then mixing therewith honey, borax, alum, and alcohol in substantially the proportions specified.

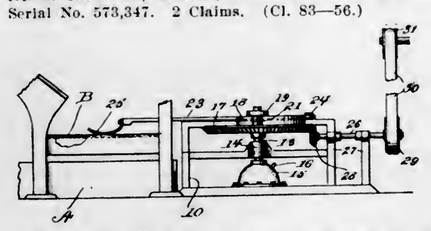
1,466,579. METHOD OF AND APPARATUS FOR TREATING FLUIDS. HAROLD EUGENE COLLVER, Simcoe, Ontario, Canada, assignor, by mesne assignments, to E. S. Wertz, Cleveland, Ohio. Filed Oct. 8, 1917, Serial No. 195,433. Renewed Dec. 28, 1922. 16 Claims. (Cl. 127—9.)

10. In an evaporating apparatus, the combination of a cylindrical container, means for applying to the cylindrical wall of the container a heating medium, said container having an inlet opening for the material adjacent one end thereof, an outlet opening for the treated material adjacent the opposite end thereof, said container also having a relatively large opening for the escape of vapors in one of its ends, a substantially centrally-disposed rotatable shaft, circumferentially spaced blades on said shaft, said blades having a series of apertures there-



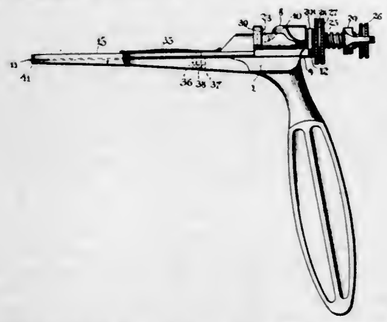
through and projecting from a point adjacent said shaft to a point in contact with the inner surface of the container, and said blades being constructed of yieldable metal.

1,466,580. SCREEN SCRATCHER OR RUBBER. MARION L. CRAWFORD, Malvern, Ohio. Filed July 7, 1922. Serial No. 573,347. 2 Claims. (Cl. 83—56.)



1. In combination with the screen of a brick or tile machine, means for forcing clay through the screen comprising a supporting frame, a rotary member journaled in said frame, a cardiac cam carried by said rotary member, a pivoted arm carried by the frame, a scratcher element carried by said arm and engaging the screen, and an operating arm engaged with and moved by rotary movement of said cam.

1,466,581. TONSILLOTOME. OSCAR C. DANIELS, Goldsboro, N. C. Filed Dec. 22, 1921. Serial No. 524,202. 5 Claims. (Cl. 128—309.)



1. A surgical instrument comprising a longitudinal frame provided with a handle at one end and having an aperture formed therethrough adjacent to its other end,

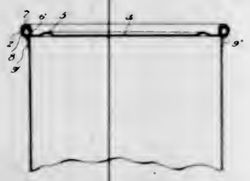
said frame having a flat upper face, a flat longitudinal blade member slidable on the upper face of the frame and being formed with a cutting edge adapted to be moved across the said aperture, a longitudinal clamping member superimposed on said blade and having one end thereof formed to cooperate with the confronting portion of the wall of said aperture to grip an object projected through the aperture, said clamping member being formed with an enlargement at its end remote from the aperture, and means carried by said enlargement and coacting with the frame and with the blade in such manner as to permit of the reciprocation of the clamping member and the blade as a unit relatively to the frame and of the reciprocation of the blade independently of the clamping member.

1,466,582. PLATING MACHINE. WILLIAM DIETZEL, Merrick, N. Y. Filed Feb. 18, 1920. Serial No. 359,638. 9 Claims. (Cl. 204—11.)



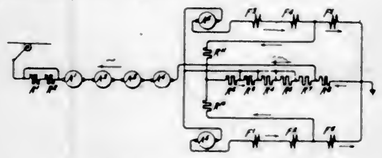
1. A plating machine comprising a solution carrying vat, a spiral article carrying member substantially U-shaped in cross section, rotatable means for operating said article carrying member so that the same will transport said articles through said solution from adjacent one end of the vat to adjacent the opposite end, means for enriching the solution in a line adjacent the path traveled by said articles, and means for causing an electrical current to pass through said articles as the articles travel.

1,466,583. CONTAINER AND CLOSURE THEREFOR. RUSSELL R. EVANS, Tacoma, Wash. Filed Jan. 6, 1923. Serial No. 611,101. 4 Claims. (Cl. 215—38.)



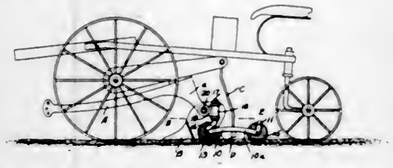
1. A container whose inner wall is straight and which has an outwardly beaded mouth whose outer wall is arranged at an inward curvature, and a spring metal closure for the container, comprising a body having a lipped edge defining an inner slightly inwardly inclined wall, and an upwardly rounded top wall which merges into an inwardly rounded outer wall whose edge is disposed outward of the juncture of the inner wall of the bead with the body of the container, a gasket in the lip, said lip designed to be forced over the beaded mouth of the closure to compress the gasket against the top wall of the bead and to cause the inner wall of the lip at its juncture with the body to frictionally engage the inner wall of the container, and the outer rounded wall of the lip to have its inner end portion likewise frictionally engage with the outer wall of the bead, and the said engaging portions of the lip exerting an impinging action toward each other.

1,466,584. POWER TRANSMISSION AND ELECTRIC BRAKING. PETER W. FORSBERG, Schenectady, N. Y., assignor to General Electric Company, a Corporation of New York. Filed Nov. 11, 1922. Serial No. 600,426. 19 Claims. (Cl. 172—179.)



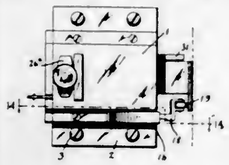
1. In a system of control for electric braking, a plurality of dynamo electric machines, at least two of said machines connected to operate as exciters for the remainder of the machines, each of said exciters connected in a separate local circuit with a substantially equal part of the field windings of said remainder of the machines, and a variable resistor forming a connection between the said local circuits for simultaneously varying the excitation of the said exciters.

1,466,585. SEED-COVERING ATTACHMENT FOR LISTERS. CHARLES C. HERMANCE and MAX REIN, Mutual, Okla. Filed June 30, 1921. Serial No. 481,717. 4 Claims. (Cl. 111—83.)



3. An attachment for lister plows adapted for connection to the plow beam of the lister plow and comprising a frame swingable both vertically and horizontally and carrying at the forward end an element travelling in the furrow opened by the lister plow and at the rear end a pair of crowding elements adapted to crowd the soil at the sides of the furrow laterally inward over the path travelled by the first-mentioned element.

1,466,586. BURGLARPROOF WINDOW LOCK. HERMAN HEYER, Ossining, N. Y. Filed Nov. 28, 1921. Serial No. 518,390. 6 Claims. (Cl. 292—335.)

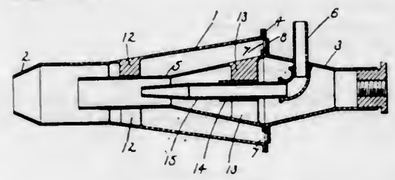


1. In combination in a lock, a main bolt automatically lockable in extended and retracted positions, and supplemental bolt controlling the unlocking of the main bolt from both of its locked positions.

1,466,587. WELDING PROCESS AND MEANS. CHARLES H. HOLLUP, Milwaukee, Wis., assignor, by direct and mesne assignments, to International Welding Engineering Corporation, Chicago, Ill., a Corporation of Illinois. Filed Dec. 29, 1917. Serial No. 209,392. 13 Claims. (Cl. 219—12.)

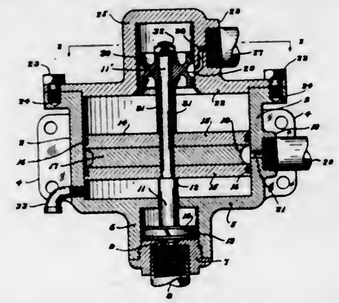
1. The method of welding which consists in coating one of the metals with silica and silicate of soda and thereafter fusing said metal onto the other metal.

1,466,588. BURNER. SAMIEL H. HOPEWELL, Ensley, Ala. Filed July 14, 1922. Serial No. 575,079. 1 Claim. (Cl. 158—118.)



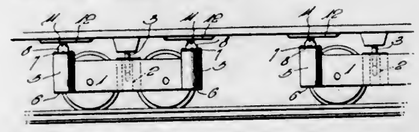
A device of the class described comprising an outer member having its rear part of gradually increasing diameter towards its inlet end and its front end restricted, ribs in said member, an inner member removably mounted in the first member and engaging the ribs, said inner member having its front part of cylindrical shape and its rear part of frusto conical shape, ribs on the inner member, a nozzle detachably connected with the ribs and having its discharge end projecting into the cylindrical part of the inner member, means for connecting the nozzle with a supply of compressed air, a gas intake member detachably connected with the outer end of the inner member and adjustable means for admitting air to the space between the outer and inner members.

1,466,589. AUTOMATIC PRESSURE-RETAINING VALVE. THOMAS JAMES, Jr., and WILLIAM I. WOLFSON, Philadelphia, Pa. Filed Jan. 24, 1922. Serial No. 531,485. 5 Claims. (Cl. 303—78.)



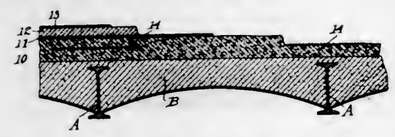
1. An automatic pressure retaining valve for rolling stock including three axially aligning cylinders the intermediate one whereof is proportionately of considerably greater diameter than the outer ones, a piston in each cylinder securely mounted in definite spaced relation on a common piston rod, a connection from the brake cylinder into one of the outer smaller cylinders, a connection from the triple valve exhaust into the intermediate cylinder, an axial connection from the auxiliary reservoir into the other outer smaller cylinder, and an atmospheric bleed from the aforesaid intermediate cylinder.

1,466,590. RAILWAY-CAR TRUCK. ALBERT J. KELLEY, Dorchester, Mass. Filed Sept. 7, 1922. Serial No. 586,715. 2 Claims. (Cl. 105—199.)



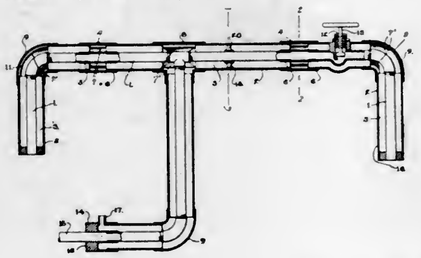
1. A car truck comprising a wheeled frame adapted for connection with a car body by a central pivot, said frame having vertical guides at its four corners, coiled springs in said guides, and plungers in said guides resting on said springs, said plungers being adapted to engage tracks on the car body to yieldably support the latter at four points.

1,466,591. FLOOR CONSTRUCTION. EDWARD F. KELLIE, Indianapolis, Ind. Filed Oct. 27, 1920. Serial No. 419,987. 5 Claims. (Cl. 72—63.)



1. A floor, etc., for fire proof buildings, comprising a reinforced fire proof base, a layer of a mixture composed of cement and crushed rock on said base, a web formed of strips of veneering on top of said mixture and another layer of crushed stone on top of said web, and then a layer of cement mixed with fiber covering said last material, substantially as set forth.

1,466,592. WATER PIPE. THOMAS H. KING, Charlotte, N. C. Filed Apr. 14, 1922. Serial No. 552,446. 2 Claims. (Cl. 137—75.)

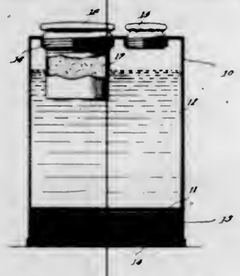


1. A water system of the character described comprising a series of inner and outer pipes, straight couplings composed of inner and outer parts of equal length having screw threaded ends for attachment to the said inner and outer pipes, spaced ribs connecting the inner and outer parts extending longitudinally between the screw threaded ends, T-couplings composed of inner and outer parts connected together by spaced ribs, elbow couplings composed of inner and outer parts connected together by longitudinally curved spaced ribs, plugs closing the ends of the space between the inner and outer pipes at their discharge ends, means for permitting the air to be withdrawn from the space between the inner and outer pipes, such means comprising a coupling having screw threaded inner and outer parts at one end for attachment to the inner and outer parts, said coupling having the space between the inner and outer parts closed at the other end which has a screw threaded opening to receive an inlet pipe, and a nipple on said coupling communicating with the space between the inner and outer pipes adapted to be attached to an air pump to withdraw the air from said space throughout the system.

1,466,593. WASHING KIT. JACOB KIRCHMER, Jr., Elmwood Place, Ohio. Filed Apr. 15, 1922. Serial No. 553,235. 3 Claims. (Cl. 206—47.)

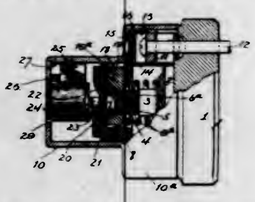
1. A kit of the character described comprising a can or casing formed with a false bottom dividing its interior into a water compartment and a separate compartment adapted for the storage of towels, the real bottom of the can being removable to permit access to said second named

compartment the can having a filling opening for the water compartment provided with a removable cap, and



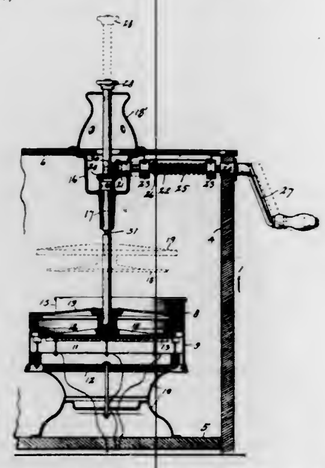
a container for washing material located within the water compartment and extending through the top of the can and having a removable cap.

1,466,594. SWITCH LOCK. CHARLES LEDIN, Stamford, Conn., assignor to The Yale & Towne Manufacturing Company, Stamford, Conn. Filed Jan. 20, 1923. Serial No. 613,934. 5 Claims. (Cl. 200—44.)



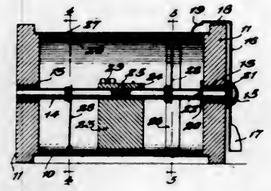
1. In a lock controlled switch, the combination of switch operating means, a revoluble member operatively associated therewith and capable also of longitudinal movement, a spring pressing said revoluble member forwardly, a key operated member, and cam devices between said revoluble member and key operated member.

1,466,595. SHOWCASE MACHINE FOR POPPING CORN. CHARLES W. MABEY, Indianapolis, Ind. Filed Aug. 14, 1922. Serial No. 581,558. 5 Claims. (Cl. 53—4.)



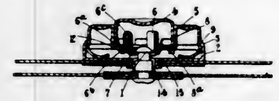
1. The combination, within a showcase, of a heating element in the case, a pan removably placed upon the heating element, a stirrer in the pan, means extending outside of the case for manually operating the stirrer, means for removing the stirrer to a position out of interference with the removal of the pan, and spring actuated means for holding said last means in said removed position of the stirrer.

1,466,596. GAME APPARATUS. FREDERICK MILLER and HUGHLETT L. NOE, Wamego, Kans. Filed Sept. 12, 1922. Serial No. 587,798. 11 Claims. (Cl. 46—56.)



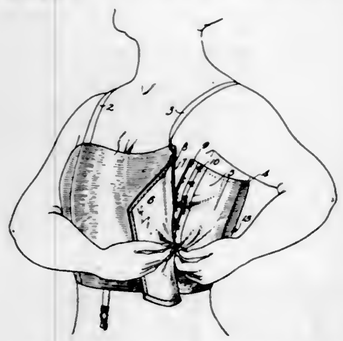
7. In a device of the character described, a rolling member, a weight pivotally mounted thereon, resilient means connected between the weight and member, and automatic means to lock the weight to the member when the weight is shifted into the upper portion of said member.

1,466,597. FASTENING. JOHN PHILIP MORSE, Purley, England. Filed Oct. 23, 1922. Serial No. 596,451. 7 Claims. (Cl. 24—211.)



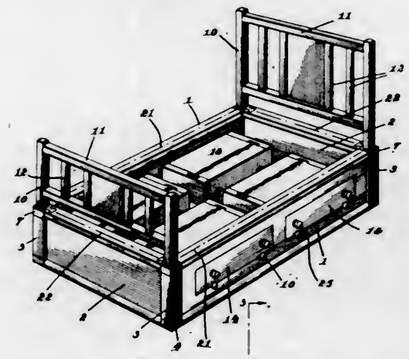
1. In a stud-and-eye fastening, a stud, a female member comprising an element having resilient stud-engaging fingers and an operating element capable of axial movement relatively to the stud-engaging element, an inclined surface on one of said elements, an element on the other of said elements engaging said inclined surface, the stud-engaging element being actuated by the operating element through the intermediary of the said inclined surface and of said element.

1,466,598. BRASSIÈRE. ISIDORE PANES, New York, N. Y. Filed Sept. 30, 1920. Serial No. 413,733. 3 Claims. (Cl. 2—73.)



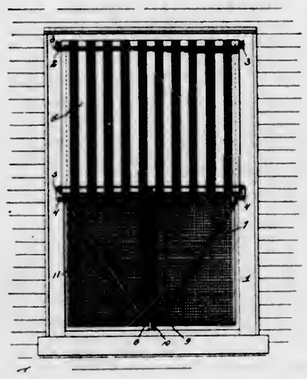
1. A garment of the character described comprising a body having separate side edges and being adapted to be arranged to encircle the body of a wearer so that the side edge of the back portion thereof is positioned under one arm of the wearer and the side edge of the front portion thereof is positioned adjacent to the first edge, a section secured to the body along the first side edge thereof and extending toward the front beyond the second side edge of the body in underlying relation to the adjacent portion of the latter, a substantially vertical row of fastening elements connected to said extending section adjacent to the free end thereof, a row of fastening elements attached to the under side of the portion of the body overlapping said section at an appreciable distance from the free end of said portion of the body and being engageable with the first row of fastening elements, and means for holding said overlapping portion of the body in place over said extending section and in position to cover said fastening elements, said means comprising an elastic tab attached to the overlapping portion of the body and having a fastening element thereon and a cooperating fastening element on the back portion of the body.

1,466,599. REVERSIBLE BED. ROBERT L. PURDON, Laidlaw, British Columbia, Canada. Filed July 8, 1922. Serial No. 573,516. 6 Claims. (Cl. 5—131.)



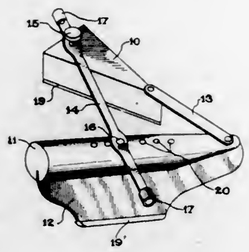
1. A bed comprising reversible side and end members detachably connected, a pair of said members having recesses formed therein, and reversible drawers supported in said recesses.

1,466,600. COMBINED AWNING AND SHADE. GEORGE F. SALISBURY, Minneapolis, Minn. Filed Nov. 22, 1921. Serial No. 516,953. 1 Claim. (Cl. 156—44.)



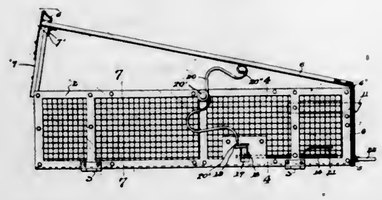
A combined awning and shade of the character described comprising an automatically operated roller, a curtain thereon, stationary brackets, a U-shaped member having its ends pivotally secured to the brackets and the bight thereof secured to the free end of the curtain, a substantially V-shaped member having its ends pivotally secured to the brackets, a cable having one end secured to a recess formed in the apex of the V-shaped member, thence secured to the bight of the U-shaped member then trained back through the recess and being adapted to draw te U-shaped member downwardly to a horizontal position to make the curtain act as an awning or further downward to make the curtain act as a shade.

1,466,601. FLOAT. JAMES I. SANDERS, Columbus, Kans. Filed Aug. 5, 1922. Serial No. 579,834. 2 Claims. (Cl. 43—69.)



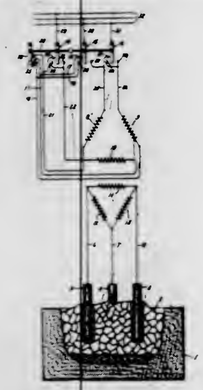
1. A device of the character described comprising spaced floats, one of the floats being substantially wedge-shaped, a keel forming part of the other float, spaced arms connecting said floats and pivotally associated therewith, whereby said floats may be arranged in angular relation for the purpose specified, means for holding said floats fixed relatively in any given position, one of said arms being designed to accommodate a fish line.

1,466,602. TRAP. LONGIN SAVICKS, Rockport, Ill., assignor of one-half to Adolph P. Dockus, Detroit, Mich. Filed Apr. 18, 1922. Serial No. 554,419. 1 Claim. (Cl. 43—61.)



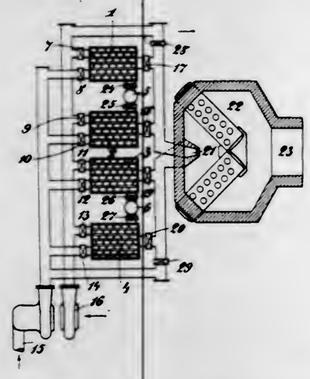
A trap of the class described comprising a bottom piece, side pieces hingedly connected therewith, an end piece hingedly connected with the bottom piece, latch members for connecting the side pieces with the end piece, a movable closing piece connecting the two side pieces together, a top piece hingedly connected with the end piece, a front end piece hingedly connected with the top piece, a spring latch for holding the front end piece in extended position, a bait pan, trunnions thereon, the side pieces having holes therein for receiving the trunnions, a trigger member pivotally secured to one of the side pieces and having one end adapted to engage the top piece to hold the same in raised position and a projection on the bait pan for engaging the other end of the trigger member to hold the same in inoperative position.

1,466,603. ELECTRIC FURNACE APPARATUS AND METHOD OF OPERATING THE SAME. JOHN A. SEEDE, Schenectady, N. Y., assignor to General Electric Company, a Corporation of New York. Filed May 8, 1916. Serial No. 96,047. 6 Claims. (Cl. 204—64.)



1. The method of operating an electric arc furnace supplied with alternating current which consists in first operating the furnace with a short arc, thereupon increasing the length of arc while maintaining the current value, and finally reducing the length of arc to operate with a lower energy input.

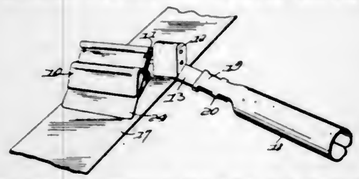
1,466,604. PROCESS FOR OBTAINING NITRIC OXIDE. THEODOR E. SPRINGMANN, Charlottenburg, near Berlin, Germany. Filed Nov. 1, 1922. Serial No. 598,434. 1 Claim. (Cl. 23—1.)



Process for obtaining nitric oxide, comprising preheating both fuel gas and air to a temperature high enough to obtain by burning the gases a temperature at which nitric oxide is formed and keeping the gases entirely separate from each other during the preheating, burning the gases, and cooling the gas of combustion immediately after it is formed by bringing it into direct contact with the outer surface of a steam boiler so as to prevent dissociation of the nitric oxide which it contains.

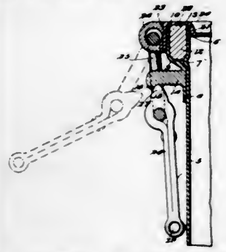
1,466,605. SAFETY-RAZOR-BLADE STROPPER. FRANK O. THOMAS, La Crosse, Wis. Filed July 9, 1921. Serial No. 483,530. 2 Claims. (Cl. 51—153.)

1. A razor blade stropping device having a shank, a reversible blade holder and bearing roller arranged in axial parallelism, a mounting carrying said blade holder and roller and pivotally mounted upon the shank for oscillatory movement transversely of the shank, and a grip or



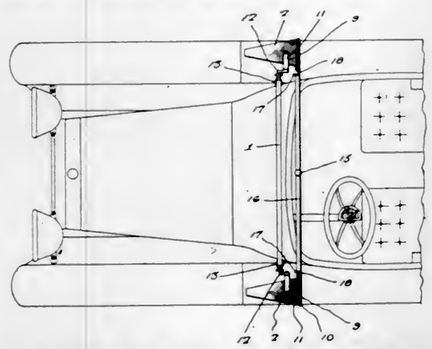
handle slidingly mounted on the shank and provided with means for engaging and locking said mounting in a fixed position.

1,466,606. CONTAINER. ALBERT H. TRAGESER and LOUIS HASSINGER, New York, N. Y. Filed Mar. 25, 1922. Serial No. 546,722. 1 Claim. (Cl. 220—55.)



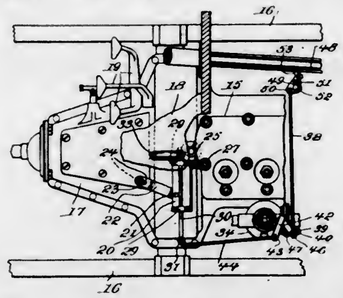
A container comprising an open ended body portion, an annular band secured to said body portion on the exterior thereof adjacent its open end, said annular band having an offset portion spaced with respect to the open end of the container to provide an annular channel, a packing carried in said channel, said packing projecting above the edges thereof, a plurality of lugs formed on said annular band in spaced relation to each other, a cover for said container, said cover having a centrally disposed portion and an annular flange forming an annular channel, said annular flange overlying the annular band of the container, and said annular channel being positioned to receive the packing carried by the container, a plurality of lugs carried by said cover, links mounted in said lugs, and a lever pivotally carried by each of said links, said levers being adapted to engage under their respective first-mentioned lugs to cause a compression of the packing and provide a closure for the container.

1,466,607. DIRECTION INDICATOR. SAMUEL LEONARD TRUEBLOOD, Baton Rouge, La. Filed Aug. 11, 1922. Serial No. 581,234. 3 Claims. (Cl. 116—48.)



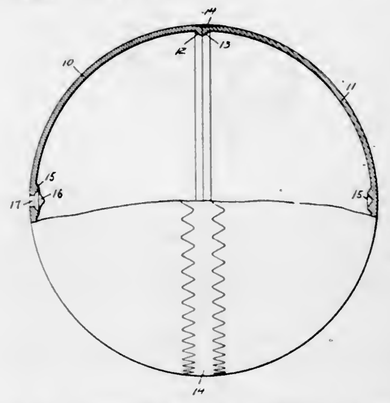
1. A directional indicator comprising a pair of hollow bodies, each having its walls formed in part of transparent material, a lamp in said body, means for pivotally supporting said bodies one at each side of a motor vehicle, a mirror at the rear of each body, a directional sign at the rear of each body normally covered by said mirror, a member connecting the two bodies together so that they can be moved in unison and means associated with the said member for moving the mirrors off the signs.

1,466,608. ACCELERATOR. PLEAS E. VINEYARD, Windom, Tex. Filed Jan. 19, 1923. Serial No. 613,735. 3 Claims. (Cl. 74—39.)



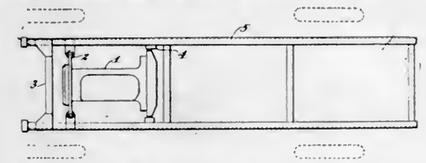
1. The combination with an automobile having an internal combustion engine, of a bearing plate extending transversely beneath the floor of the automobile, an arm having one end connected to the plate and its opposite end secured to the engine, a second arm also having one end secured to the plate and having its opposite end secured to the transmission case for supporting the plate, a rock shaft mounted in bearings carried by the transverse plate, a foot pedal secured to the rock shaft and extending from the floor and means operatively connecting the opposite end of the arm to the throttle valve of the engine carbureter for operating said valve.

1,466,609. RUBBER BALL. JOSEPH W. WEAVER, Lebanon, Pa. Filed June 19, 1922. Serial No. 569,271. 5 Claims. (Cl. 46—4.)



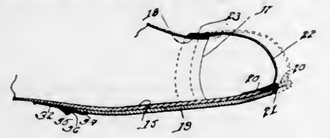
1. A ball comprising a hollow sphere having a lateral puncture, an imperforate plug of relatively soft material having a lateral enlargement forming an annular shoulder at right angles to the body of the plug, said plug adapted to be forced by its enlargement through the puncture and the enlargement expanding by its resiliency against the inner face of the ball and held in place by cement, the ball adapted to be inflated by forcing a tubular air conductor through the puncture alongside the plug and deflecting the enlargement thereof and which automatically closes the puncture when the conductor is withdrawn.

1,466,610. BRACKET-SUSPENSION OR MOTOR-SUPPORTING MEANS. ROBERT A. WEINHARDT, Chicago, Ill., assignor to Continental Motors Corporation, Detroit, Mich., a Corporation of Virginia. Filed May 21, 1917. Serial No. 169,852. 1 Claim. (Cl. 180—64.)



In the mounting of power plants for motor vehicles, and wherein the power plant is supported by and between longitudinal members of the chassis, means connecting the forward portion of the plant with such members, and means for supporting the rear portion of the plant from said members, said supporting means including a ball-like element carried by each longitudinal member with each element having a diametrically extending opening, and a bearing stud for each of said elements, said studs being carried by the plant and projecting from opposite sides thereof into said openings, the relative positions of the studs and elements being such as to permit relative movement between the plant and the members in a direction lateral to the direction of length of such members, said latter means including cushioning means carried by the studs, and interposed between the ball-like elements and the plant to yieldingly maintain the plant in normal position.

1,466,611. BOOT OR SHOE. WALTER J. BRIGG, Epping, New South Wales, Australia. Filed May 22, 1922. Serial No. 562,783. 3 Claims. (Cl. 36—15.)



2. A shoe or boot comprising an upper portion having its forward end open and a permanent sole projecting forwardly beyond the same, a wearing sole longitudinally adjustably mounted upon the permanent sole, a reinforcing band secured to said forward open end, a toe cap carried by the wearing sole and receiving said forward open end therein, and a reinforcing band carried by the toe cap and slidably contacting with the first named reinforcing band.

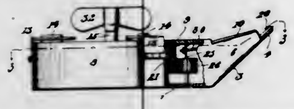
1,466,612. STEERING DEVICE. CALVIN M. CASE, Niagara Falls, N. Y. Filed Aug. 22, 1921. Serial No. 494,425. 5 Claims. (Cl. 280—33.5.)



1. The combination with a train of vehicles, of means connecting the same and susceptible to swinging in a lateral direction only, means on all of the vehicles, except the leading vehicle for locking the connecting means when the vehicles pursue a straight course, means for successively releasing said locking means when the first vehicle takes an angular course, means connected with

the steering apparatus of all except the first vehicle, and means actuated by the releasing means for engaging and imparting a lateral movement to the last mentioned means to cause the vehicles to successively assume the same angular course of the preceding vehicles and at the same place in which said vehicles have taken such course.

1,466,613. MOTOR-SPRING HAIR CUTTER. ANDREW J. CZARNIECKI, Plymouth, Pa., assignor of one-half to Frank Romanczuk, Plymouth, Pa. Filed Nov. 12, 1921. Serial No. 514,733. 1 Claim. (Cl. 30—1.)



A hair clipper of the type described comprising a substantially circular body portion, a side extension formed integrally therewith, the said extension being substantially rectangular in plan view with the forward free end of the body upwardly inclined, inwardly directed flanges carried by the side walls of said extension, a cutter blade formed integrally with the inclined bottom of the extension, a cutter blade pivotally supported on the said inclined bottom, upstanding blocks carried by the bottom wall of the body portion, an arbor journaled in said body portion, a gear journaled on said arbor and supported on said block, a band spring associated with said gear and arbor, a crank shaft journaled in the casing, a pinion fixed to said crank shaft in mesh with said gear, a link rod connection between the crank shaft and the pivotally mounted cutting blade, a removable cover for said casing, securing means for said cover, said means embodying hinged clips carried by said casing, the said clips having slots formed therein and lugs carried by said cover adapted to engage the slots in said clips, and a forwardly removable cover plate carried by said extension, said plate having a depending flange carried by its outer edge, the said plate and flange having cutaway portions at their connecting edges which are adapted for engaging the inwardly directed flanges carried by the said extension.

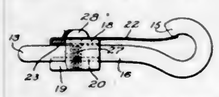
1,466,614. SNOW-REMOVING APPARATUS. PETER DUNWALD, Rio, N. Y. Filed Apr. 26, 1921. Serial No. 464,637. 8 Claims. (Cl. 37—12.)



1. A snow removing apparatus, comprising a motor truck having a tank thereon, a wheeled supported receptacle having its lower front portion open and secured to and arranged in front of the truck, a rotary brush mounted in the opening of the receptacle for sweeping the snow into the receptacle, heating means in the receptacle for melting the snow as it is delivered into the receptacle by the brush, and means for delivering the melted snow from the receptacle to the tank of the truck.

1,466,615. TIRE-CHAIN HOOK. ALFRED FALSTRAULT, Jersey City, N. J. Filed Mar. 1, 1923. Serial No. 622,221. 2 Claims. (Cl. 24—233.)

1. An attachment for the hook member of a tire chain which connects the cross chains to the side chains, comprising a leaf spring adapted to yieldably engage at its free end with the hooked extremities of the hook member, means for detachably clamping the opposite end of said



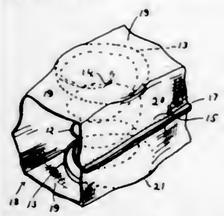
spring to the bight end of the hook member, said latter means comprising clamping sections, and means extending through said clamping sections and the spring for retaining the same against separation.

1,466,616. ARTIFICIAL BAIT. GEORGE E. FENNER, Oxford, Wis. Filed Aug. 12, 1922. Serial No. 581,528. 10 Claims. (Cl. 43—35.)



5. An artificial bait comprising a body, a fixed and a pivoted hook arranged thereon, the pivoted hook being disposed opposite to the fixed hook, and being adapted to swing outwardly, a lateral arm rigid with said pivoted hook, a spring pressed rod pivotally secured to said arm and adapted to be connected with a fish line, a second arm also rigid with said pivoted hook, a spring engaging said second arm and normally holding the pivoted hook in its innermost position, and a guard pivoted at the forward end of the body and engaging said spring, said guard when pressed inwardly pressing said spring and releasing said second-mentioned arm to allow a free movement of the pivoted hook.

1,466,617. COVERED-SPRING STRUCTURE. WILLIAM B. FOSTER, Utica, N. Y., assignor to Foster Brothers Manufacturing Company, Utica, N. Y., a Corporation of New York. Filed Nov. 21, 1919. Serial No. 339,636. 3 Claims. (Cl. 5—353.)



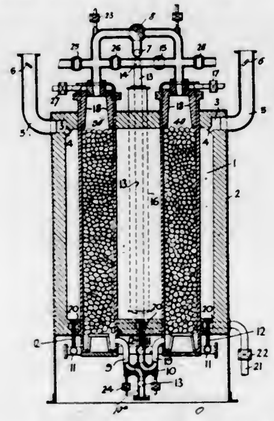
1. In a covered spring structure, the combination of a single coiled spring and a separate covering entirely enclosing said single spring and consisting of an open-ended tube of flexible material, said tube being of slightly greater length than the width of the spring and having its ends at opposite sides of the spring and projecting therebeyond and loosely brought together to close the ends of the tube.

1,466,618. BOOKBINDING. GUY S. FRY, Yonkers, N. Y. Filed June 9, 1922. Serial No. 567,054. 3 Claims. (Cl. 231—21.)



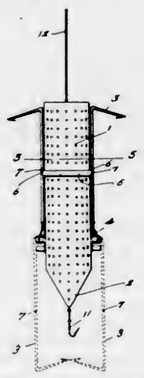
3. In combination with a book body portion, a binder strip fastened along its intermediate portion and the rear surface of the leaves of the body portion and also along the rear edges of the outer leaves of the body portion a short distance therealong from the rear edge of said leaves, the free portion of the binder strip being bent backward on itself and then bent forward again, the line of binding occurring along a line substantially coincident with the rear edge of the body portion, a cover portion comprising flexible sections and stiff sections, the flexible sections passing around the bound end of the body portion of the book and being fastened to the binder strip, the free ends of the binder strip being connected to the stiff part of the cover portion, the flexible sections of the cover portions extending along the body portion a distance at least equal to the depth of the body portion so that the stiff part of the cover portion can be bent around beneath the body portion without straining the binding.

1,466,619. PRODUCTION OF HYDROGEN. ARTHUR ROBERT GRIGGS, Bromley, England. Filed June 12, 1920. Serial No. 388,660. 14 Claims. (Cl. 48—198.)



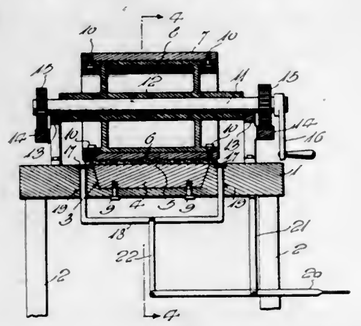
1. A process for the production of hydrogen by the alternate oxidation and reduction of iron reaction material contained in chambers or retorts wherein gases resulting from the reduction phase are utilized in directly heating the reaction material by internal combustion at intervals and in continuously heating it by external combustion.

1,466,620. FISHING TACKLE. LA FAYETTE T. GUY, Selma, Ala. Filed Aug. 29, 1921. Serial No. 496,381. 1 Claim. (Cl. 43—89.)



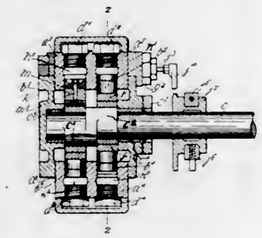
A fishing tackle of the class described including a perforated polished metallic casing having a flat upper surface and a V-shaped lower extremity, a pair of diametrically arranged grab hooks pivotally secured to said casing and adjacent its lower end thereof, a spring provided for each hook and adapted to normally hold said hooks in an operative position, a ring surrounding the casing intermediate of its ends and having a limited sliding movement thereon, a lip formed on opposing sides of said ring and adapted to normally engage a notch provided on each hook for holding said hook in an inoperative position, a bar transversely arranged through the casing and secured to said ring, a flexible member having its upper end secured to said bar and its lower end passing through and beyond the apex of the V-shaped lower extremity of said casing and a hook secured to the last mentioned end of said flexible member as and for the purpose specified.

1,466,621. GLASS ROLLING AND PRESSING MACHINE. RAYMOND F. HANCOCK, Marion, Ind., assignor of one-half to James Boyce, Gibson, Mich., and one-half to Harry F. Anderson, Marion, Ind. Filed July 6, 1921. Serial No. 482,755. 2 Claims. (Cl. 49—34.)



1. A glass machine comprising a table, a roller mounted for rolling movement above said table, strips embedded in said table and extending longitudinally thereof, a U-shaped yoke beneath said table and extending transversely thereof and having arms extending up through openings in the table and connected with said strips, and means for moving the yoke upwardly to project its arm upwardly through the table and move said strips upwardly to lift a sheet of glass off of said table.

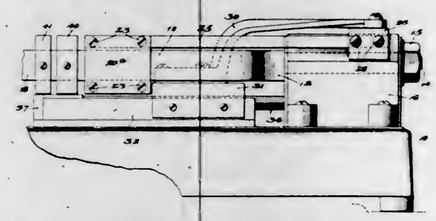
1,466,622. RADIAL-CYLINDER HYDRAULIC CLUTCH. HENRY SELBY HELE-SHAW, London, England. Filed Jan. 17, 1920. Serial No. 352,167. 5 Claims. (Cl. 192—60.) (Granted under the provisions of the act of Mar. 3, 1921, 41 Stat. L., 1313.)



1. A hydraulic power transmitting shaft clutch comprising in combination a driving member, a driven member, a plurality of cylinders rigidly carried by one of said members radially disposed with respect to the axis of rotation thereof, pistons reciprocable within said cylinders,

means provided on the other of said members for reciprocating said pistons within said cylinders upon relative rotation of said clutch members, a passage parallel to the axis of rotation of the clutch members and connecting one of said cylinders with another of said cylinders in a different plane perpendicular to the axis of rotation of the said clutch members, and a hydraulically balanced valve adapted to be reciprocated longitudinally within said passage for controlling the flow of liquid in said passage.

1,466,623. ADJUSTABLE-VIBRATION TUNING FORK. WALTER A. HOUGHTALING, Dunellen, N. J., assignor to The Western Union Telegraph Company, New York, N. Y., a Corporation of New York. Filed Jan. 13, 1922. Serial No. 528,980. 3 Claims. (Cl. 84—457.)

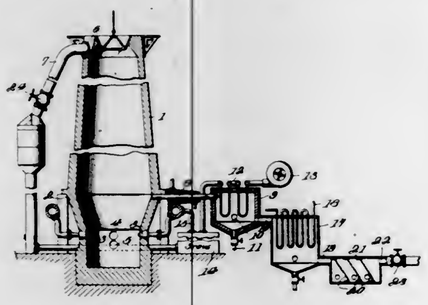


2. The combination with a tuning fork, of a weight slidably mounted upon each tine, a movable block projecting upon opposite sides of the stem of the tuning fork, straight flexible leaf springs positioned in alinement with the longitudinal axes of the tines and rigidly secured to the weights and operatively connected to said block, and means for moving said block parallel to the axis of the fork.

1,466,624. NITROGEN FIXATION. KARL P. MCELROY, Washington, D. C., assignor to Ferro Chemicals Inc., Washington, D. C., a Corporation of Delaware. Filed June 10, 1920. Serial No. 387,817. 18 Claims. (Cl. 23—21.)

1. In nitrogen fixation, the process which comprises removing hot cyanid laden gases from a blast furnace and passing the same through a filter of adsorptive carbon.

1,466,625. NITROGEN-FIXING PROCESS AND APPARATUS. KARL P. MCELROY, Washington, D. C., assignor to Ferro Chemicals Inc., Washington, D. C., a Corporation of Delaware. Filed June 13, 1921. Serial No. 477,205. 31 Claims. (Cl. 266—1.)



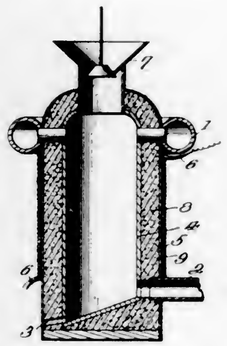
1. In cyanid making apparatus a furnace of the general type of a blast furnace or slagging gas producer provided with the usual tuyères, slag outlet, metal outlet and charging devices and with the usual gas outlet near the charging devices and also provided with another gas outlet located at or near the hottest zone in the furnace, a heat interchanger connected to said other outlet and means for passing air through the heat-interchanger to the tuyères.

9. The process of producing cyanids in a blast furnace making iron or ferro alloy with the aid of hot blast which comprises supplying such a furnace with the usual charge and with alkali, withdrawing a portion of the hot gases carrying cyanid vapors from the zone of high temperature and compensating for the heat abstracted by such gases and vapors as sensible and as latent heat by additional heat supplied to the blast.

1,466,626. PRODUCTION OF AMMONIA AND SALTS OF CERTAIN CARBON ACIDS. KARL P. MCELROY, Washington, D. C., assignor to Ferro Chemicals Inc., Washington, D. C., a Corporation of Delaware. Filed July 8, 1921. Serial No. 483,160. 29 Claims. (Cl. 23—21.)

18. In nitrogen fixation the process which comprises establishing and maintaining in a suitable reaction chamber a dominant mass or pool of sodium cyanid, in the liquid and vapor phases, in contact with carbon and feeding soda and carbon to said pool while supplying heat thereto with the aid of the combustion of a part of said carbon to CO by preheated air and removing cyanid vapor.

1,466,627. PROCESS OF MAKING CYANIDS. KARL P. MCELROY, Washington, D. C., assignor to Ferro Chemicals Inc., Washington, D. C., a Corporation of Delaware. Filed Jan. 25, 1922. Serial No. 531,614. 19 Claims. (Cl. 204—64.)

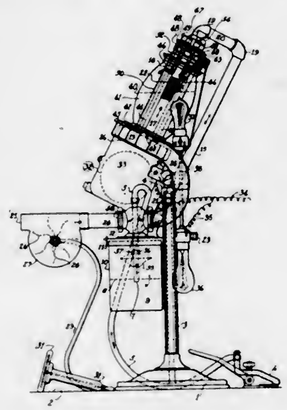


1. The process of making cyanid which comprises establishing and maintaining in a suitable reaction chamber a dominant mass or pool of cyanid in the liquid and vapor states, feeding cyanid forming materials into said reaction chamber to react with said cyanid and maintaining the temperature and the predominance of cyanid in the reaction zone by aid of heat supplied by electrical means.

1,466,628. MANUFACTURE OF ALKALI AND CHEMICALS. KARL P. MCELROY, Washington, D. C., assignor to Ferro Chemicals Inc., Washington, D. C., a Corporation of Delaware. Filed Jan. 23, 1923. Serial No. 614,482. 11 Claims. (Cl. 260—112.)

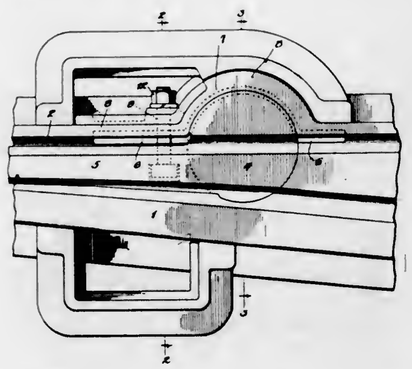
9. In the production of ammonia, soda and carbon acids as byproducts of a blast furnace making iron or ferroalloy the process which comprises withdrawing from the hot zone a certain proportion of the cyanid vapor laden gases produced in the hearth while adding to the charge a correlated proportion of sodium compounds, collecting from the withdrawn gases cyanid bearing material, steaming the collected material and recovering from the steamed material carbon acids and sodium in the form of alkali with the aid of lime.

1,466,629. MACHINE FOR THE TREATMENT OF THE SCALP AND HAIR. WALTER L. MAJORS, St. Louis, Mo., assignor to Majors Oxford College, St. Louis, Mo., a Corporation of Missouri. Filed June 24, 1921. Serial No. 480,255. 11 Claims. (Cl. 128—1.)



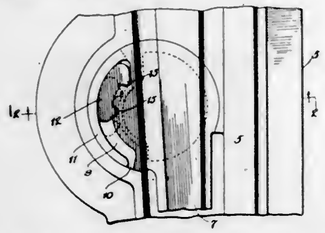
1. The herein described method of treating the scalp and hair consisting of applying air-suction thereto, passing the same air into a container and through a liquid within the said container, atomizing the said liquid, drawing the said air particles of the said liquid through a conduit, and forcing the same by fan-pressure into contact with the patient's hair.

1,466,630. TRACK STRUCTURE. CHARLES A. PSILANDER, Easton, Pa., assignor to William Wharton Jr. & Company, Incorporated, Easton, Pa., a Corporation of Pennsylvania. Filed Feb. 27, 1923. Serial No. 621,544. 62 Claims. (Cl. 246—435.)



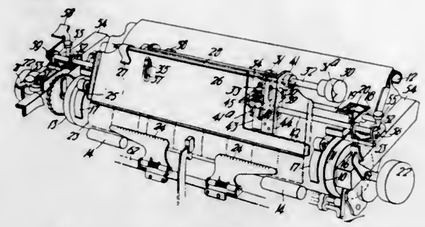
8. A switch structure including an integral casting capable of being flexed at and in the region of the heel bearing for the purpose and with the result of securing normal fit with relation to the heel of the tongue.

1,466,631. TONGUE SWITCH. CHARLES A. PSILANDER, Easton, Pa., assignor to William Wharton Jr. & Company, Incorporated, Easton, Pa., a Corporation of Pennsylvania. Filed Apr. 18, 1923. Serial No. 632,892. 31 Claims. (Cl. 246—442.)



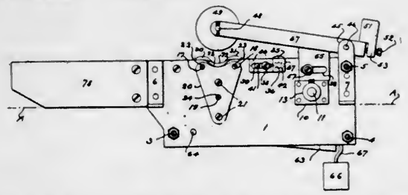
6. A switch tongue whereof the heel has an integral element capable of radial adjustment to vary the diameter of the heel, and means for adjusting it.

1,466,632. TYPEWRITING MACHINE. JESSE A. B. SMITH, Stamford, Conn., assignor to Underwood Typewriter Company, New York, N. Y., a Corporation of Delaware. Filed July 25, 1919, Serial No. 313,148. Renewed May 13, 1921. Serial No. 469,378. 32 Claims. (Cl. 197—127.)



1. In a front-strike typewriting machine, the combination with a revoluble platen and an equipment of feed-rolls therefor adapted to hold a record-sheet thereon, of a line-spacing mechanism for the platen, a paper-table above and at the front of the platen, said paper-table wholly above the printing line and separated from the platen to permit the record-sheet to feed between said paper-table and the platen, a device for holding a work-sheet to said paper-table, and means to line-space the paper-table and the work-sheet held to it.

1,466,633. WRAPPING MACHINE. ERIC O. STROM, Hilton, N. J. Filed Nov. 16, 1918. Serial No. 262,820. 18 Claims. (Cl. 93—5.)



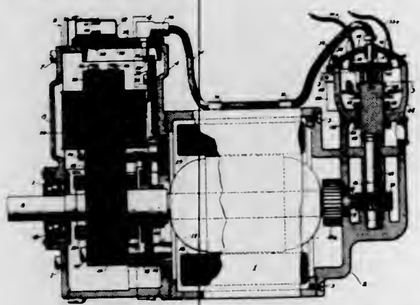
1. A device for individually wrapping articles, comprising in combination, a pair of supporting rolls, a coacting presser roll thereabove, a belt running with constant tension and contact over all of said rolls, a driving roll for imparting continuous motion to said belt, and means for yieldably suspending said presser roll so as to enable it to recede from said supporting rolls by the insertion therebetween of an article with its wrapper and the retraction of the wrapped article therefrom.

1,466,634. WING-SHEDDING MEANS FOR FLYING BOATS. JOHN P. TARBOX, Garden City, N. Y., assignor, by mesne assignments, to Curtiss Aeroplane and Motor Corporation, Buffalo, N. Y., a Corporation of New York. Refile of abandoned application No. 66,913, filed Dec. 15, 1915. This application filed Jan. 3, 1921. Serial No. 434,505. 24 Claims. (Cl. 244—2.)



1. In an aircraft, a body, a stub-wing panel extending intermediately across said body, propelling power plants arranged out from said body laterally beyond the extremities of said panel, and separable principal supporting surfaces anchored to said panel.

1,466,635. SYSTEM AND APPARATUS FOR GENERATING AND DISTRIBUTING ELECTRIC CURRENTS. CHARLES H. TOWER, Cleveland, Ohio., assignor to The Teagle Company, Cleveland, Ohio, a Corporation of Ohio. Filed Dec. 12, 1918. Serial No. 266,437. 18 Claims. (Cl. 290—33.)



1. In a combined low tension current and high tension ignition current generator, the combination of a unitary stator structure comprising the magnetic stator of the low tension generator and the magnetic stator of the high tension generator, a unitary rotor structure comprising the magnetic rotor of the low tension generator and the magnetic rotor of the high tension generator, a high tension generating winding mounted on the magnetic stator of the high tension generator, a low tension direct current generating winding mounted on one of the said magnetic parts of the low tension generator, electric current means for exciting the fields of the high tension and low tension generators comprising a winding mounted on the magnetic rotor of the high tension generator to turn therewith, connections between the said generating winding of the low tension generator and the said exciting means, the high tension rotor being adapted in operation to distribute field flux through the high tension generating winding alternately in opposite directions, and a circuit breaker for opening and closing the circuit through the high tension generating winding synchronously with the movement of the rotor structure.

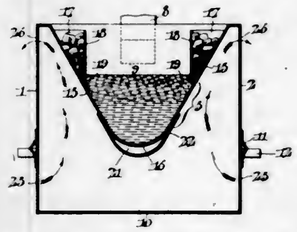
3. In apparatus for generating and distributing low tension currents and high tension ignition currents, the combination of a high tension generating winding comprising a coarse section and a fine section, a circuit breaker for opening and closing the circuit through the coarse section of said generating winding, a low tension direct current generator having an armature and field exciting means, said exciting means comprising a coil connected in series between one terminal of the low tension generator and one of the electrodes of the circuit breaker and also connected in series between the said terminal and a load circuit making a continuous draft of current.

17. A system for generating intermittent high tension current impulses for ignition purposes comprising a high tension generating winding, a magnetic circuit in inductive relation to said generating winding having a source of magneto-motive force subject to variation and comprising a section for effecting variation of magnetic flux density through said winding, and a current breaker for the generating winding, all iron parts of said magnetic circuit being shaped and proportioned to reach saturation approximately simultaneously.

1,466,636. TREATMENT OF MANGANESE-STEEL CASTINGS. STANLEY APGAR and GEORGE R. HANKS, High Bridge, N. J., assignors to Taylor-Wharton Iron and Steel Company, High Bridge, N. J., a Corporation of New Jersey. Filed June 5, 1922. Serial No. 566,139. 3 Claims. (Cl. 148—13.)

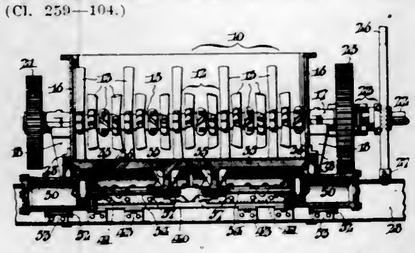
1. The method of treating manganese steel castings of large size and intricate form, which consists in blanketing the casting as soon as it can be handled without bending, and while so protected introducing it into a furnace previously heated to an annealing temperature, sealing the furnace and controlling the heat so as to bring the furnace and casing to an even temperature, reducing the temperature slowly and uniformly to a predetermined point, removing the blanket, and reheating slowly and uniformly to the usual temperature for the treatment of manganese steel, and then quenching in water.

1,466,637. MELTING KETTLE. CHARLES STEWART BABB, Chicago, Ill., assignor to The Barber Asphalt Company, Philadelphia, Pa., a Corporation of West Virginia. Filed Oct. 17, 1921, Serial No. 508,414. Renewed Jan. 31, 1923. 15 Claims. (Cl. 126—343.5.)



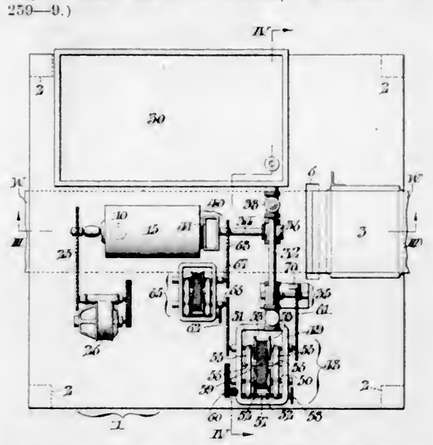
1. A melting kettle comprising an enclosure serviceable as a fire box, and a melting trough suspended within the inclosure, said trough having V shaped cross section with its sides sloping at comparatively steep angles and merging into a rounded bottom the trough being located wholly in said fire box.

1,466,638. MIXING APPARATUS. FRANK A. BROWNE, Wayne, Pa., assignor to The Barber Asphalt Company, Philadelphia, Pa., a Corporation of West Virginia. Filed July 18, 1921. Serial No. 485,719. 10 Claims. (Cl. 259—104.)



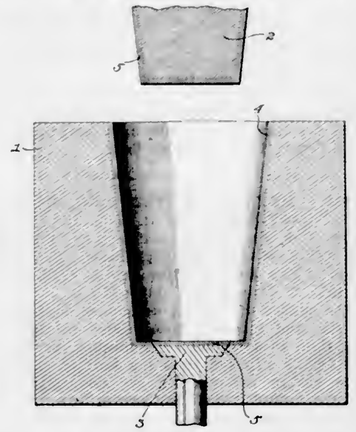
1. A mixer having substantially parallel rotary agitators, and comprising a tank with its bottom rounded to conform and in closely spaced relation to the peripheral path of movement of each of said agitators and having a dump opening between the downward-sloping bilges of said bottom, and a movable closure for said opening having upper surfaces concaved arcuately to form circular continuations of the tank bottom surfaces and meeting in an elevated longitudinal ridge which intersects the peripheral path of rotation of both agitators.

1,466,639. MIXING APPARATUS. FRANK A. BROWNE, Wayne, Pa., assignor to The Barber Asphalt Company, Philadelphia, Pa., a Corporation of West Virginia. Filed May 9, 1922. Serial No. 559,559. 17 Claims. (Cl. 259—9.)



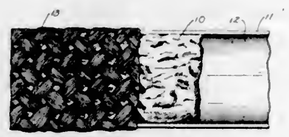
1. A mixing apparatus comprising a mixer adapted for continuous delivery of fluent mixtures; and means for simultaneously controlling the quantity of the respective ingredients of the mixtures in the course of being conducted to the mixer to effect increase or decrease during operation of the apparatus in the rate of discharge from the mixer.

1,466,640. MOLD. THOMAS COLEMAN, Jr., Clarksburg, W. Va., assignor to Hazel-Atlas Glass Company, Wheeling, W. Va., a Corporation of West Virginia. Filed Apr. 14, 1922. Serial No. 552,636. 5 Claims. (Cl. 49—72.)



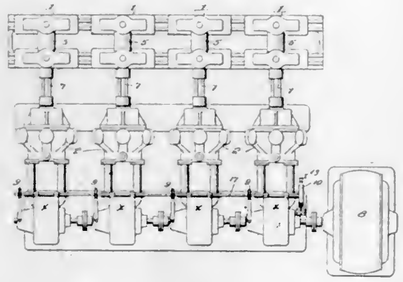
1. A mold and associated elements formed of a substantially non-oxidizable metal and a baser metal, the two metals being weld united.

1,466,641. PACKING. JOHN T. CRANE, Maywood, Ill., assignor to Chicago Metallic Packing Co., Chicago, Ill., a Corporation of Illinois. Filed May 15, 1920. Serial No. 381,638. 6 Claims. (Cl. 154—45.5.)



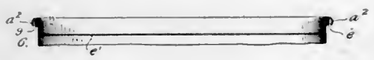
2. A packing consisting of metal foil formed in suitable cross-sectional dimensions, a rubber cushion contiguous thereto, and a casing of braided material enclosing the same.

1,466,642. MEANS FOR CONTROLLING CONTINUOUS ROLLING MILLS. ALFRED CROOK, Philadelphia, Pa., assignor to Taylor-Wharton Iron and Steel Company, High Bridge, N. J., a Corporation of New Jersey. Filed Nov. 25, 1919. Serial No. 340,512. 10 Claims. (Cl. 80—35.)



10. A control for a continuous rolling mill drive involving a series of units including a pump and a motor, of a control lever for each pump, a frame pivoted for swinging movement, a threaded rod for each control lever mounted in the rod for rotative movement, a nut having threaded connection with the rod, a block connected with the nut, and an open elongated cross head for each control lever in which the block of the corresponding threaded rod is slidably mounted.

1,466,643. REENFORCED METALLIC CHIME SEAM AND METHOD OF PRODUCING SAME. CHARLES T. DRAPER, Cleveland, Ohio, assignor to The Draper Manufacturing Company, Cleveland, Ohio, a Corporation of Ohio. Filed Feb. 24, 1920. Serial No. 360,883. 6 Claims. (Cl. 113—116.)

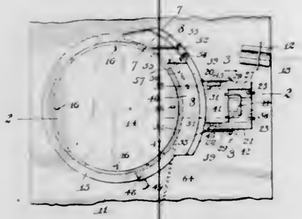


1. The herein described method of producing a continuously conforming metallic chime for containers, which consists in fabricating from a flat metallic band, a ring or hoop, welding its ends together, shaping an annular edge approximately of the form of the protected seam, introducing the seam of the container within said annular edge and tightly compressing the hoop about said seam continuously in conformity to its outer and inner periphery, substantially as set forth.

1,466,644. IRON SMELTING. RICHARD FRANCHOT, Niagara Falls, N. Y., and KARL P. MCELROY, Washington, D. C., assignors to Ferro Chemicals Inc., Washington, D. C., a Corporation of Delaware. Filed June 5, 1920. Serial No. 386,777. 16 Claims. (Cl. 266—1.)

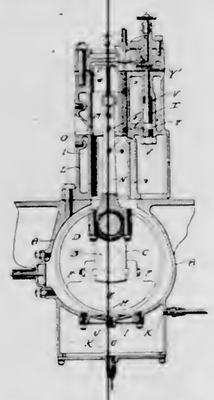
1. In the operation of a blast furnace producing iron and ferroalloys, the diversion from the lower portion of the shaft, of hot reducing gases in quantity sufficient to cause a substantial net deposition of carbon from the gases in the shaft; that is, the deposition of more carbon than is there gasified.

1,466,645. GUARD FOR WIRE-DRAWING MACHINES. WLADYSLAW J. GAJKOWSKI, Buffalo, N. Y., assignor of one-fourth to Stanislaw Z. Grabowski, one-fourth to Stanley J. Gajkowski, and one-fourth to Edmond Gajkowski, all of Buffalo, N. Y. Filed May 23, 1922. Serial No. 562,986. 18 Claims. (Cl. 215—16.)



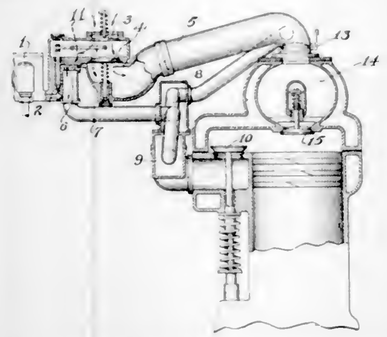
1. A guard of the kind described, comprising a segmental guard member, and a securing member to which said guard member is pivotally and slidably secured.

1,466,646. INTERNAL-COMBUSTION ENGINE. WALDO G. GERNANDT, South Fend, Ind. Filed Feb. 28, 1921. Serial No. 448,743. 13 Claims. (Cl. 123—33.)



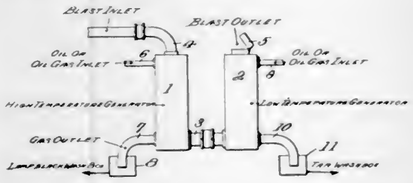
1. In an internal combustion engine provided with a cylinder, and a movable piston in said cylinder, a fuel depository, a restricted passage way communicating with said depository and said cylinder, means to supply fuel to said depository, a plurality diameter cylindrical chamber, the part of smallest diameter communicating with said depository, a plunger of plurality diameters in the portions of said chamber of largest diameters, a communicating passage way between said chamber and said cylinder, and a longitudinally extending passage way in the wall of said piston communicating with a passage way extending to the periphery of said piston, in combination with means to control the supply of fuel to said depository.

1,466,647. CHARGE-FORMING APPARATUS. JOHN GOOD, Brooklyn, N. Y., assignor to Good Inventions Co., New York, N. Y., a Corporation of New York. Filed May 23, 1917. Serial No. 170,411. 15 Claims. (Cl. 123—119.)



1. A charge-forming apparatus for internal combustion engines, comprising a large intake space in close, valved communication with the combustion space of the engine, means for cooling said space and separate means for conducting heated vaporized liquid fuel and relatively cool air to said space in the proportions suited for explosive combustion in the engine.

1,466,648. GAS MAKING. ELMON LAWRENCE HALL, Portland, Oreg., assignor of one-half to Hilmar Papst, Portland, Oreg. Filed Mar. 7, 1921. Serial No. 450,124. 2 Claims. (Cl. 48—211.)

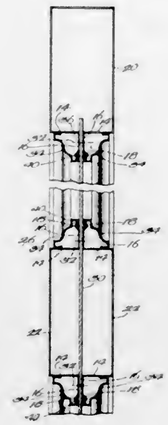


1. In the manufacture of standard city gas from oil with the production of valuable by-products, the process which comprises fixing oil gas at a temperature adapted to produce rich gas and thin tar, fixing another portion of oil gas at a temperature of 1000° C. or higher to produce lean gas and lamp black, and blending the rich gas and the lean gas to make an average gas between 500 and 600 B. T. U. per cubic foot.

1,466,649. METHOD OF TREATING MANGANESE-STEEL CASTINGS. JOHN H. HALL and MARSHALL F. APGAR, High Bridge, N. J., assignors to Taylor-Wharton Iron and Steel Company, High Bridge, N. J., a Corporation of New Jersey. Filed June 6, 1922. Serial No. 566,405. 5 Claims. (Cl. 148—13.)

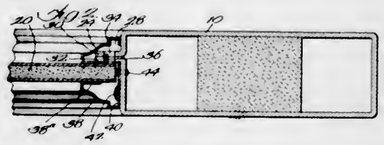
1. The method of treating manganese steel castings of large size and intricate form, which consists in subjecting them to a preliminary annealing, by placing the casting, while still red from the heat of casting, in a furnace having substantially the temperature of the casting, maintaining desirable control so as to establish a uniform temperature as between the casting and the furnace, gradually raising the temperature to about 760° C., and maintaining such temperature for a comparatively long or short period according to the size and nature of the casting.

1,466,650. METAL DOOR. EARL W. PETERSON, Chicago, Ill., assignor, by direct and mesne assignments, of one-third to Fernando J. Le Beau, and one-third to Erick Blaine Thelin, both of Chicago, Ill. Filed Dec. 2, 1920. Serial No. 427,688. 4 Claims. (Cl. 189—53.)



1. A structure of the kind described including a member having a jaw extending therefrom, a panel fitted between said jaw and an adjacent portion of the member, and a molding member including a portion fitted between and engaging overlying portions of said panel and jaw and interlocked with the latter.

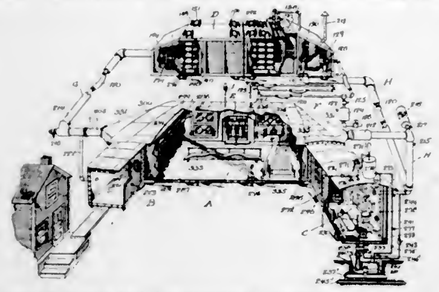
1,466,651. METAL DOOR. EARL W. PETERSON, Chicago, Ill., assignor of one-half to National Steel Door Co., Chicago, Ill., a Corporation of Illinois. Filed Sept. 1, 1922. Serial No. 585,648. 6 Claims. (Cl. 189—53.)



1. In mechanism of the class described, in combination with a panel and a bordering member, a flange projecting from the bordering member parallel to the side of the panel and adjacent to its edge, a molding on the same side of panel as and covering said flange, closing the angular space between the panel and bordering member, secured in place by means of a molding part which passes in between the panel and said flanges and enters a recess formed for it in said flange and means holding the panel against said molding and flange.

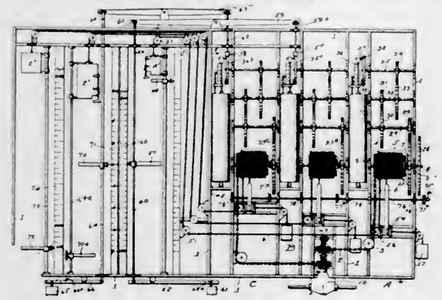
1,466,652. PORTABLE MOUNTAIN-AIR SANITARIUM. FRANK BATTER, Linnton, Oreg. Filed May 21, 1920. Serial No. 383,180. 18 Claims. (Cl. 98—27.)

1. In a sanitarium, an air tight living room, a suction pump, an air line between the outer atmosphere, said air tight living room and said suction pump, a valve interposed in said line between its inlet and the air tight living room, means for automatically moving said valve toward closed position, means for automatically moving said valve toward open position, differential gearing interposed between said opening and closing means and said valve, and devices for controlling said closing and



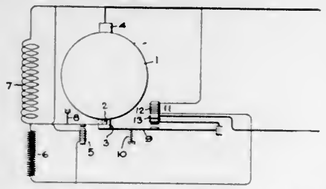
opening means and for rendering the latter dependent on the former.

1,466,653. TIMING APPARATUS FOR MOUNTAIN-AIR SANITARIUMS. FRANK BATTER, Portland, Oreg. Original application filed May 21, 1920, Serial No. 383,180. Divided and this application filed Aug. 28, 1922. Serial No. 584,923. 8 Claims. (Cl. 161—7.)



1. In a main air control for a sanitarium, a rarefraction valve, a series of timers each provided with a motor and a stop for co-operation with a movable element thereof, operative connections between said first motor and valve for moving the same toward closed position, operative connections between the third of said motors and said valve for moving it toward open position, the stops of the first and second motors having a limited movement, brakes for the second and third motors, and operative connections between said movable stops and the brake of the adjacent motor to release the same on operation of the stop.

1,466,654. DYNAMO-ELECTRIC MACHINE. FREDERIC H. CLOUGH, Hillmorton, near Rugby, England, assignor to General Electric Company, a Corporation of New York. Filed Feb. 19, 1920. Serial No. 359,879. 8 Claims. (Cl. 171—229.)



1. The combination in a generator having a rotor and a stator, of a voltage regulator including an annular contact means carried by said rotor and coaxial therewith, a cooperating vibratory contact and a voltage coil energized from said generator for causing vibration of the latter.

ALPHABETICAL LIST OF REGISTRANTS OF TRADE-MARKS.

Acme Orchard Co., Inc., White Salmon, Wash. Fresh apples. 171,521; Aug. 7; Serial No. 176,149; published May 15, 1923.

Acme Shear Company, The, Bridgeport, Conn. Shears and scissors. 171,683; Aug. 7.

Aggeler & Musser Seed Co., Los Angeles, Calif. Field, garden, and farm seeds. 171,454; Aug. 7; Serial No. 168,743; published May 1, 1923.

Aktiebolaget Atmos, Stockholm, Sweden. High-pressure boilers and parts thereof. 171,492; Aug. 7; Serial No. 172,140; published May 22, 1923.

Alberts, Jacob L., New York, N. Y. Corsets. 171,469; Aug. 7; Serial No. 165,517; published May 8, 1923.

Allingham, E. F., Mfg. Co., Colorado Springs, Colo. Puffed-wheat confection. 171,337; Aug. 7; Serial No. 172,714; published Apr. 17, 1923.

American Automobile Accessories Company, The, Cincinnati, Ohio. Inner armor or reliner for automobile tires. 171,490; Aug. 7; Serial No. 120,271; published May 22, 1923.

American Bleached Goods Company, Incorporated, New York, N. Y. Cotton piece goods. 171,404; Aug. 7; Serial No. 176,522; published May 1, 1923.

American Pickle & Canning Co., Hattiesburg, Miss. Pickles and canned vegetables. 171,311; Aug. 7; Serial No. 166,621; published May 15, 1923.

American Pickle & Canning Company, Hattiesburg, Miss. Pickles. 171,413; Aug. 7; Serial No. 172,717; published May 8, 1923.

American Woodworking Machinery Company, Rochester, N. Y. Woodworking machines. 171,661; Aug. 7.

Anchor Cap & Closure Corporation, Long Island City, N. Y. Fruit-jar rings. 171,563; Aug. 7; Serial No. 174,353; published May 22, 1923.

Anderson, Arthur A., doing business as Arthur Anderson Fish Co., Astoria, Oreg. Canned salmon. 171,412; Aug. 7; Serial No. 172,822; published May 8, 1923.

Anderson-Owens Shoe Company, Lynn, Mass. Women's and children's leather shoes with rubber composition heels. 171,698; Aug. 7.

Apple Gum Company, Inc., New York, N. Y. Chewing gum. 171,514; Aug. 7; Serial No. 173,161; published May 8, 1923.

Arnica Cream Company, Inc. (See Shirey & Brown, assignors.)

Ashley, Frank R., Denver, Colo. Awnings, awning frames, covers, and parts thereof. 171,513; Aug. 7; Serial No. 173,068; published May 8, 1923.

Ashtabula Bow Socket Company, The, Ashtabula, Ohio. Bow sockets for vehicle tops and fittings therefor. 171,381; Aug. 7; Serial No. 146,286; published July 11, 1922.

Atex Mills. (See Tully, Michael P.)

Audiola Radio Company, Chicago, Ill. Radio and wireless telephone equipment. 171,508; Aug. 7; Serial No. 163,204; published Aug. 29, 1922.

Auerlicht Gesellschaft m. b. H. Kommanditgesellschaft, Berlin, Germany. Upright and inverted gas mantles, burners, and lamps therefor and their parts and supplies therefor. 171,621; Aug. 7; Serial No. 177,537; published May 22, 1923.

Avalon Knitwear Company, Utica, N. Y. Bathing suits. 171,324; Aug. 7; Serial No. 168,570; published May 8, 1923.

Bacharach-Rasin Co., Baltimore, Md. Bicycles. 171,491; Aug. 7; Serial No. 115,398; published May 22, 1923.

Baker, David C., New York, N. Y. Sanitary head shield for dental chair. 171,633; Aug. 7.

Balcells. (See Buenaventura, Balcells Valbona.)

Banner Silk Knitting Mills, Inc., The, New York, N. Y. Knitted silk fabrics. 171,532; Aug. 7; Serial No. 175,377; published May 1, 1923.

Banner Silk Knitting Mills, Inc., The, New York, N. Y. Knitted silk fabric—viz, silk knitted cloth in the piece. 171,625; Aug. 7; Serial No. 177,161; published May 22, 1923.

Barlo Metal Corporation, The, New York, N. Y. Metal alloys. 171,664; Aug. 7.

Bass, G. H., & Company, Wilton, Me. Shoes and moccasins. 171,704; Aug. 7.

Bastian-Morley Co., Laporte, Ind. Gas water heaters. 171,605; Aug. 7; Serial No. 173,950; published May 8, 1923.

Battle Creek Food Company, The, Battle Creek, Mich. Corn sugar. 171,529; Aug. 7; Serial No. 175,702; published May 15, 1923.

Bauermeister, Chas. W., Co. Inc. Olives, allspice, savory, mustard, pepper, sage, thyme, etc. 171,313; Aug. 7; Serial No. 166,932; published May 15, 1923.

Baumann, Carl A., doing business as Lake Mills Milk Company, Jefferson, Wis. Canned evaporated milk. 171,377; Aug. 7; Serial No. 155,663; published May 8, 1923.

Bay State Cigar Co., Inc., Westfield, Mass. Cigars. 171,624; Aug. 7; Serial No. 177,162; published May 22, 1923.

Beatrice Creamery Company, Chicago, Ill. Cheese. 171,338; Aug. 7; Serial No. 172,793; published Apr. 10, 1923.

Bentley, Henry G., doing business as H. G. Bentley, Dallas, Tex. Arch supporters for the human foot. 171,524; Aug. 7; Serial No. 176,108; published May 8, 1923.

Bernhard Ulmann Co. Inc., New York, N. Y. Yarns for knitting, crocheting, etc. 171,642; Aug. 7.

Bethlehem Steel Company, Bethlehem, Pa. Structural steel. 171,606; Aug. 7; Serial No. 173,738; published May 1, 1923.

Biel, Conrad E., doing business as Denver Optic Company, Denver, Colo. Artificial eyes. 171,550; Aug. 7; Serial No. 178,211; published May 15, 1923.

Biloxi Packing & Trading Co., Biloxi, Miss. Canned oysters and shrimp. 171,572; Aug. 7; Serial No. 173,397; published May 22, 1923.

Binkert, Damon A., doing business as Solvine Chemical Company, Washington, D. C. Antiseptic powder. 171,289; Aug. 7; Serial No. 178,546; published May 22, 1923.

Blackmore, Edwin N., Vancouver, British Columbia, Canada. Washing compounds and liquids. 171,339; Aug. 7; Serial No. 172,825; published Apr. 24, 1923.

Blue Hill Candy Company. (See Catsigianis, Otto P.)

Blumenthal, Sidney, & Co. Inc., New York, N. Y. Pile fabrics in the piece. 171,589; Aug. 7; Serial No. 175,764; published May 15, 1923.

Bolgiano, J., Seed Co., The, Baltimore, Md. Field, vegetable and flower seeds. 171,573; Aug. 7; Serial No. 172,859; published May 22, 1923.

Bond, Charles, Company, Philadelphia, Pa. Round leather and flat leather belting. 171,509; Aug. 7; Serial No. 165,661; published May 22, 1923.

Borgfeldt, George, & Co., New York, N. Y. Dolls. 171,584; Aug. 7; Serial No. 175,339; published May 22, 1923.

Bowen, Frank G., doing business as Bowen Mfg. Co., Kansas City, Mo. Key cases. 171,449; Aug. 7; Serial No. 157,651; published May 8, 1923.

Bowen Mfg. Co. (See Bowen, Frank G.)

Brainard, Pearl H., doing business as Macomb Manufacturing Company, Macomb, Ill. Iceless and fireless receptacles for retaining heat and cold. 171,526; Aug. 7; Serial No. 176,061; published May 8, 1923.

Brazilian Coffee Co. (See Gallotti, Frederick T.)

Breslauer, Adolph, New York, N. Y. Hair goods. 171,634; Aug. 7.

Brewer & Company, Inc., Worcester, Mass. Lime. 171,535; Aug. 7; Serial No. 175,129; published May 8, 1923.

Bridgeport Brass Company, Bridgeport, Conn. Nonferrous metals in the form of ingots, billets, slabs, sheets, etc. 171,691; Aug. 7.

Brownstein-Louis Co., Los Angeles, Calif. Textile fabrics of cotton, wool, silk, and mixtures in the piece. 171,594; Aug. 7; Serial No. 176,160; published May 15, 1923.

Brune, Pottberg & Co., New York, N. Y. Cotton piece goods. 171,403; Aug. 7; Serial No. 176,535; published May 8, 1923.

Brunswick-Balke-Collender Company, The, Chicago, Ill. Billiard tables. 23,238; renewed June 20, 1923.

Buckeye Traction Ditcher Co., The, Findlay, Ohio. Traction wheels. 171,590; Aug. 7; Serial No. 175,843; published May 1, 1923.

Buckingham & Hecht, San Francisco, Calif. Shoes of leather. 171,659; Aug. 7.

Buenaventura Balcells Valbona, doing business as Balcells, Barcelona, Spain. Olive oil. 171,489; Aug. 7; Serial No. 135,438; published May 22, 1923.

Buettner, T., & Co., Chicago, Ill. Pure linen in the piece, linen table covers and napkins. 171,482; Aug. 7; Serial No. 177,895; published May 15, 1923.

Bull Dog Floor Clip Company, Winterset, Iowa. Floor clips for fastening wooden floors or the like to a concrete construction. 171,442; Aug. 7; Serial No. 160,480; published Apr. 24, 1923.

Bunte Brothers, Chicago, Ill. Candy. 171,320; Aug. 7; Serial No. 168,294; published May 8, 1923.

Bunte Brothers, Chicago, Ill. Candy. 171,457; Aug. 7; Serial No. 168,446; published May 8, 1923.

Burson Knitting Company, Rockford, Ill. Hosiery. 171,297; Aug. 7; Serial No. 165,521; published May 1, 1923.

Cadwallader Gibson Lumber Co., Manila, P. I.; San Francisco, Calif.; and New York, N. Y. Logs. 171,564–5; Aug. 7; Serial Nos. 174,299–300; published May 22, 1923.

Campbell, Andrew C., Incorporated, Waterbury, Conn. Machines for cutting sheet metal. 171,567; Aug. 7; Serial No. 173,912; published May 1, 1923.

Capitol Coffee Company. (See Dauna, Frank.)

Carmel Canning Co., San Francisco, Calif. Canned fish. 171,630; Aug. 7; Serial No. 176,323; published May 22, 1923.

Carter Dry Goods Co., Louisville, Ky. Percales in the piece. 171,452; Aug. 7; Serial No. 169,002; published May 15, 1923.

Carter Dry Goods Co., Louisville, Ky. Madras in the piece. 171,505; Aug. 7; Serial No. 169,004; published May 15, 1923.

Catsiglanis, Otto P., doing business as Blue Hill Candy Company, St. Louis, Mo. Chocolate-coated nuts and candies. 171,421; Aug. 7; Serial No. 172,257; published May 8, 1923.

Chicago Belting Company, Chicago, Ill. Leather belting. 171,537; Aug. 7; Serial No. 174,889; published May 8, 1923.

Chicago Thrift Company, Chicago, Ill. Portable banks. 171,684; Aug. 7.

Chinook Packing Company, Chinook, Wash. Canned salmon. 171,357; Aug. 7; Serial No. 170,927; published May 15, 1923.

Chore Utensils Corporation of America, The, Orange, N. J. Scouring utensils. 171,348; Aug. 7; Serial No. 173,321; published Apr. 24, 1923.

Chrobaltic Tool Company, Chicago, Ill. Heat-treating containers. 171,561; Aug. 7; Serial No. 174,553; published May 22, 1923.

Citrus Sales Corporation, Tampa, Fla. Fresh citrous fruits. 171,427; Aug. 7; Serial No. 171,903; published May 15, 1923.

Chatlins Incorporated, New York, N. Y. Cotton piece goods. 171,400; Aug. 7; Serial No. 176,668; published May 1, 1923.

Cleveland Metal Products Company, The, Cleveland, Ohio. Burner drums. 171,440; Aug. 7; Serial No. 161,302; published Apr. 24, 1923.

Cockcroft Silk Co. Inc., New York, N. Y. Silk and silk-mixed fabrics. 171,620; Aug. 7; Serial No. 177,594; published May 1, 1923.

Cohen, Irving, New York, N. Y. Footwear. 171,701; Aug. 7.

Continental Car Company of America, Louisville, Ky. Automobile and truck bodies, cabs, motor busses, etc. 171,353; Aug. 7; Serial No. 171,203; published May 1, 1923.

Continental File Corporation, Anderson, Ind. File. 171,672; Aug. 7.

Coverdale & Bruebaker, Sioux City, Iowa. Sherbet bars. 171,328; Aug. 7; Serial No. 168,633; published May 15, 1923.

Cremo Caramel Company. (See O'Connor, Frederick A.)

Crown Bottling Works. (See May, C. Edward.)

Cupples Company Manufacturers, St. Louis, Mo. Rubber jar rings. 171,414; Aug. 7; Serial No. 172,584; published May 8, 1923.

Czechoslovak Art Shop Inc., Newark, N. J. and New York, N. Y. Chinaware. 171,493; Aug. 7; Serial No. 172,032; published May 15, 1923.

Danna, Frank, doing business as Capitol Coffee Company, Baton Rouge, La. Coffee. 171,422; Aug. 7; Serial No. 172,146; published May 8, 1923.

Davenport Brothers, Chattanooga, Tenn. Hosiery and underwear. 171,296; Aug. 7; Serial No. 166,295; published May 8, 1923.

Davidson, George, Wick, Scotland. Salted and pickled herrings. 171,498; Aug. 7; Serial No. 171,294; published May 22, 1923.

Davis, George R., Seattle, Wash. Shoes. 171,650; Aug. 7.

Decorative Arts League, New York, N. Y. Art objects. 171,382; Aug. 7; Serial No. 144,853; published May 8, 1923.

Delacour Brothers, Ltd., London, England. Tobacco pipes. 171,546–7; Aug. 7; Serial Nos. 178,377–8; published May 15, 1923.

Delacour Bros. Ltd., London, England. Tobacco pipes. 171,559; Aug. 7; Serial No. 177,429; published May 15, 1923.

Denver Optic Company. (See Biel, Conrad E.)

Des Lauriers Metal Products Co. Inc., St. Paul, Minn. Milk-shipping cans and cans for packing and shipping ice cream. 171,549; Aug. 7; Serial No. 178,233; published May 15, 1923.

De Vito, Aristide, doing business as Washington Pastry Co., San Francisco, Calif. Honey and nut confections. 171,317; Aug. 7; Serial No. 167,867; published May 1, 1923.

Diamond Match Company, The, Chicago, Ill. Matches. 171,686; Aug. 7.

Dietz, R. E., Company, New York, N. Y. Oil-burning lanterns and the burners and metal parts thereof. 171,626; Aug. 7; Serial No. 176,455; published May 22, 1923.

Dolly Varden Chocolate Company, The, Cincinnati, Ohio. Candies. 171,588; Aug. 7; Serial No. 175,632; published May 22, 1923.

Doptoglou Bros. of New York, New York, N. Y. Cotton piece goods. 171,393; Aug. 7; Serial No. 177,037; published May 1, 1923.

Doscat Tire & Rubber Corporation, Rochester, N. Y. Rubber tires. 171,420; Aug. 7; Serial No. 172,260; published Apr. 3, 1923.

Doucleff, Dine K., Peoria, Ill. Canned prepared caviar. 171,331; Aug. 7; Serial No. 172,266; published May 8, 1923.

Dryol Polish Mfg. Co. (See Ruggles, Harry M.)

Dunn, John, & Co., New York, N. Y. Shovels and spades. 171,652; Aug. 7.

Durkee-Atwood Co., Minneapolis, Minn. Pedal covers. 171,601; Aug. 7; Serial No. 174,612; published May 1, 1923.

Durwyllan Co., Inc., Peterson, Del., and Paterson, N. J. Brake and transmission lining for automobile use. 171,673; Aug. 7.

Economy System Co. Inc., New York, N. Y. Clothes racks and hangers. 171,562; Aug. 7; Serial No. 174,513; published May 22, 1923.

Ehrlich, H., & Sons Mfg. Co., St. Joseph, Mo. Interchangeable sections for use as merchandise containers in stores. 171,648; Aug. 7.

Elliott Company, The, Kittery, Me. Addressing machinery and equipment and supplies therefor. 171,576; Aug. 7; Serial No. 172,642; published May 1, 1923.

Empire Silk Company, Wilmington, Del., and New York, N. Y. Silk piece goods. 171,380; Aug. 7; Serial No. 177,368; published May 1, 1923.

Empire Tire & Rubber Corporation, Trenton, N. J. Pneumatic vehicle tires. 171,468; Aug. 7; Serial No. 166,223; published Apr. 17, 1923.

Esmond Mills, The, Esmond, Smithfield, R. I. Cotton blankets and cotton blanket piece goods. 171,608; Aug. 7; Serial No. 173,703; published May 15, 1923.

Eustis, James S., Woodland, Calif. Toasted almonds. 171,568; Aug. 7; Serial No. 173,885; published May 22, 1923.

Evansville Packing Company, The, Evansville, Ind. Dressed poultry and lard. 171,429; Aug. 7; Serial No. 171,531; published May 1, 1923.

Excelsior Needle Company, assignor to The Torrington Company, Torrington, Conn. Needles. 23,649; renewed Sept. 26, 1923.

Fenimore, George W., doing business as Fenimore Oil Co., Norristown, Pa. Lubricating oils and greases. 171,508; Aug. 7; Serial No. 165,976; published May 22, 1923.

Fenimore Oil Co. (See Fenimore, George W.)

Field, Samuel B., doing business as Tom's Cove Salt Sea Oyster Co., Chincoteague Island, Va. Oysters in the canned and natural state. 171,343; Aug. 7; Serial No. 173,184; published May 8, 1923.

Firestone-Apsley Rubber Company, Hudson, Mass. Rubber heels, boots, overshoes, sandals, etc. 171,697; Aug. 7.

Fisk Rubber Company, The, Chicopee Falls, Mass. Rubber tires. 171,418; Aug. 7; Serial No. 172,416; published May 1, 1923.

Flash Chemical Company, Cambridge, Mass. Soap paste. 171,643; Aug. 7.

Fletcher, Robert, & Son, Limited, Stoneclough, Manchester, England. Paper treated, etc., for making cigarettes. 171,517; Aug. 7; Serial No. 173,412; published May 1, 1923.

Fletcher, Robert, & Son Limited, Stoneclough, Manchester, England. Paper treated, etc., for making cigarettes. 171,518; Aug. 7; Serial No. 173,414; published May 8, 1923.

Fletcher, Robert & Son Limited, Stoneclough, Manchester, England. Paper for use in making cigarettes. 171,519; Aug. 7; Serial No. 173,415; published May 8, 1923.

Flood & Conklin Company, Newark, N. J. Pyroxylin lacquer. 171,551; Aug. 7; Serial No. 178,173; published May 8, 1923.

Foley & Company, Chicago, Ill. Lemon and vanilla extracts and essence of peppermint flavor. 171,598; Aug. 7; Serial No. 176,262; published May 22, 1923.

Forbes, Jas. H., Tea & Coffee Co., St. Louis, Mo. Empty containers for coffee and the like. 171,356; Aug. 7; Serial No. 170,975; published May 15, 1923.

Fox, Charles K., Inc., Haverhill, Mass. Leather intended for use in boots and shoes. 171,502; Aug. 7; Serial No. 170,575; published May 22, 1923.

Freeman's Foods, Limited, Watford, England. Powders for making lemonade. 171,319; Aug. 7; Serial No. 168,147; published Apr. 24, 1923.

Friedman, H., Hat Co. Inc., New York, N. Y. Men's hats. 171,694; Aug. 7.

Fulton Smoked Fish Co., Chicago, Ill. Smoked fish. 171,592; Aug. 7; Serial No. 176,117; published May 22, 1923.

Gallotti, Frederick T., doing business as Brazilian Coffee Co., New York, N. Y. Coffee. 171,703; Aug. 7.

Garfinkle, Julius, doing business as Julius Garfinkle & Co., Washington, D. C. Hair nets. 171,560; Aug. 7; Serial No. 177,373; published May 1, 1923.

Garner Gin Company, The, Houston, Tex. Machines for treating fibrous material and parts thereof. 171,667; Aug. 7.

General Explosives Company, Chicago, Ill. Explosives. 171,486; Aug. 7; Serial No. 148,383; published May 15, 1923.

General Radio Company, Cambridge, Mass. Standards of resistance, inductance and capitance for measuring purposes, decade bridges, etc. 171,690; Aug. 7.

General Water Heater Corporation, Los Angeles, Calif. Water heaters. 171,595; Aug. 7; Serial No. 176,173; May 22, 1923.

George, Robert J., doing business as Imperial Peanut & Coffee Company, Wilkes-Barre, Pa. Coffees, candies, chocolates, and chocolate-covered confections. 171,434; Aug. 7; Serial No. 163,796; published May 8, 1923.

George, Robert J., doing business as Imperial Peanut & Coffee Company, Wilkes-Barre, Pa. Roasted and salted peanuts. 171,435; Aug. 7; Serial No. 163,795; published May 8, 1923.

Gheens, C. Edward, Louisville, Ky. Candy. 171,370; Aug. 7; Serial No. 169,542; published May 8, 1923.

Gibson, Geo. R., Co., New York, N. Y. Nail, tooth, hair, cloth, and flesh brushes. 171,510; Aug. 7; Serial No. 163,979; published May 22, 1923.

Gleason, John E., Asbury Park, N. J. Gaskets for internal-combustion engines. 171,358; Aug. 7; Serial No. 170,880; published May 1, 1923.

Globe Import Company, San Francisco, Calif. Hair nets. 171,618; Aug. 7; Serial No. 177,734; published May 15, 1923.

Goldsmith, L., & Son, Inc., Newark, N. J. Trunks. 171,645; Aug. 7.

Goldsmith, Walter A., Cleveland, Ohio. Bloomers. 171,485; Aug. 7; Serial No. 151,987; published May 1, 1923.

Goodson, J. F., & Company, doing business as J. F. G. Coffee Co., Morristown, Tenn. Coffee. 171,362; Aug. 7; Serial No. 170,582; published May 8, 1923.

Gottmann, Theodore, & Sons, doing business as "Gottmann's," Chicago, Ill. Chocolate candy bar. 171,366; Aug. 7; Serial No. 170,015; published May 8, 1923.

Gracenet Co., Inc., The, New York, N. Y. Hair nets. 171,407; Aug. 7; Serial No. 176,404; published May 8, 1923.

Graigen, Rudolph F., New York, N. Y. Bathing caps. 171,302; Aug. 7; Serial No. 164,757; published May 1, 1923.

Grand Forks Bottling Works, The, Grand Forks, N. Dak. Ginger ale, cream soda, root beer, and other soft drinks. 171,599; Aug. 7; Serial No. 176,266; published May 22, 1923.

Grant, W. T., Company, Lynn, Mass. Paintbrushes. 171,349; Aug. 7; Serial No. 173,326; published May 1, 1923.

Green, A. P., Fire Brick Co., Mexico, Mo. Fire brick, fire-brick cement, fire clay, and tile. 171,609–12; Aug. 7; Serial Nos. 173,486–9; published May 1, 1923.

Greig, John, London, England. Apparatus for playing a game of chance. 171,528; Aug. 7; Serial No. 176,022; published May 8, 1923.

Grennan Cake Corporation, Chicago, Ill. Cakes, cookies, and fried cakes. 171,483; Aug. 7; Serial No. 153,179; published May 22, 1923.

Griswoldville M'f'g Co., New York, N. Y. Unmedicated gauze. 171,533; Aug. 7; Serial No. 175,310; published May 8, 1923.

Grünеberg, Carl, Bürsten-Fabric Bratislava, Bratislava, Czechoslovakia. Toothbrushes. 171,470; Aug. 7; Serial No. 178,664; published May 22, 1923.

Gurley Candy Company, Minneapolis, Minn. Candy. 171,309; Aug. 7; Serial No. 163,267; published May 15, 1923.

H-O Cereal Company. (See H-O (Hornby's Oatmeal) Company, assignor.)

H-O (Hornby's Oatmeal) Company, The, assignor to The H-O Cereal Company, Inc., New York, N. Y. Oatmeal and similar oat foods. 23,770; renewed Oct. 31, 1923.

Haas Brothers Fabrics Corporation, New York, N. Y. Piece goods made of silk. 171,615–16; Aug. 7; Serial Nos. 177,844–5; published May 15, 1923.

Hampshire, F. W., & Co., Ltd., Derby, England. Fly swatters and sticky paper. 171,586; Aug. 7; Serial No. 175,490; published May 22, 1923.

Hampshire Paper Company, South Hadley Falls, Mass. Printing and writing paper. 171,321; Aug. 7; Serial No. 168,395; published May 8, 1923.

Hart & Hegeman Mfg. Co., The, Hartford, Conn. Luminous pendants. 171,497; Aug. 7; Serial No. 171,419; published May 22, 1923.

Harter, Helon G., assignor to The H. G. Harter Company, Helena, Ohio. Sirup remedy for diseases of the throat, lungs, and mucous membrane. 23,149; renewed May 30, 1923.

Hartray, J. P., Shoe Co., Chicago, Ill. Shoes made wholly or in part of leather. 171,571; Aug. 7; Serial No. 173,491; published May 1, 1923.

Hauthaway, C. L., & Sons, Boston, Mass. assignor to C. L. Hauthaway & Sons, Inc. Liquid shoe dressing. 23,560; renewed Aug. 29, 1923.

Hawkins, Rembrant L., Cincinnati, Ohio. Elastic bandages made without rubber. 171,372; Aug. 7; Serial No. 157,315; published May 15, 1923.

Headley, F. H., Edgbaston, Birmingham, England. Motor cycles and perambulators, pillory-seat supports, and saddles for motor cycles. 171,388; Aug. 7; Serial No. 298,896; published May 8, 1923.

Healy, Daniel J., doing business as D. J. Healy Shops, Detroit, Mich. Wool yarns. 171,479; Aug. 7; Serial No. 178,038; published May 15, 1923.

Heller, B., & Company, Chicago, Ill. Food flavorings and spices. 171,334; Aug. 7; Serial No. 172,530; published May 22, 1923.

Heller, B., & Company, Chicago, Ill. Flavoring compound. 171,578–80; Aug. 7; Serial Nos. 172,377–9; published May 22, 1923.

Heller Brothers Company, Newark, N. J. Files and rasps. 171,666; Aug. 7.

Hennessy, Francis W., East Providence, R. I. Roof-edging device. 171,538; Aug. 7; Serial No. 174,834; published May 1, 1923.

Henson-Blair Manufacturing Company, Philadelphia, Pa. Mops. 171,474; Aug. 7; Serial No. 178,341; published May 22, 1923.

Hercules Powder Company, Wilmington, Del. Pine oil. 171,395; Aug. 7; Serial No. 176,835; published May 8, 1923.

Hercules Powder Company, Wilmington, Del. Pine oil. 171,396–9; Aug. 7; Serial Nos. 176,830–3; published May 8, 1923.

Herz, Alexander, doing business as The Herz Straw Co., New York, N. Y. Paper drinking straws. 171,409; Aug. 7; Serial No. 176,182; published May 1, 1923.

Highland Lake Paper Company, Walpole, Mass. Sheathing paper, waterproof building paper, roofing paper, etc. 171,471; Aug. 7; Serial No. 178,610; published May 22, 1923.

Hirsch Bros. & Co., Incorporated, Louisville, Ky. Salad relish. 171,401; Aug. 7; Serial No. 176,627; published May 22, 1923.

Hoffman, M. C., & Co., New York, N. Y. Silk and wool crêpe in the piece. 171,402; Aug. 7; Serial No. 176,546; published May 1, 1923.

Hoffman, William M., Buffalo, N. Y. Fuel-oil burners. 171,680; Aug. 7.

Honeyman, William A., doing business as Pull-Rak Company, San Francisco, Calif. Merchandise-vending machines. 171,660; Aug. 7.

Hood, Charles I., Lowell, Mass., assignor to C. I. Hood Company, Kittery, Me. External and internal remedies for certain named diseases. 23,231; renewed July 11, 1923.

Hood, Charles I., Lowell, Mass., assignor to C. I. Hood Company, Kittery, Me. Compound of sarsaparilla. 23,353; renewed July 11, 1923.

Hood River Apple Vinegar Co., also doing business as Mountain Maid Products Company, Hood River, Oreg. Apple vinegar, canned pork and beans, soup, chile con carne, and meat. 171,379; Aug. 7; Serial No. 147,960; published May 8, 1923.

Hooper, Wm. E., & Sons Co., Woodberry, Baltimore, Md. Cotton rope, sash cord, seine twines, etc. 171,461; Aug. 7; Serial No. 168,151; published May 8, 1923.

House of Ryer, The, Malden, Mass. Waists and hosiery. 171,325; Aug. 7; Serial No. 168,614; published May 1, 1923.

Huessy & Co., Ltd., Safenwil, Switzerland. Cotton piece goods and handkerchiefs. 171,433; Aug. 7; Serial No. 163,982; published May 8, 1923.

Hungarian Rubber Goods Factory Limited, Budapest, Hungary. Tires for cycles, motor cars, and other vehicles. 171,419; Aug. 7; Serial No. 172,332; published May 1, 1923.

Hunter Mfg. & Commission Co., New York, N. Y. Cotton piece goods. 171,617; Aug. 7; Serial No. 177,782; published May 15, 1923.

Hupfel, Adolph G., jr., New York, N. Y. Mushroom paste. 171,577; Aug. 7; Serial No. 172,382; published May 22, 1923.

Hutchison Thrift Corporation, New York, N. Y. Canned cherries. 171,451; Aug. 7; Serial No. 169,059; published May 8, 1923.

Hyatt, Delia, executrix. (See Hyatt, Henry O.)

Hyatt, Henry O., deceased; D. Hyatt, executrix, Kinston, N. C. Remedy for indigestion. 23,398; renewed July 25, 1923.

Idaho Evaporating Co., Meridian, Idaho. Fresh deciduous fruits and fresh vegetables. 171,369; Aug. 7; Serial No. 169,761; published May 1, 1923.

Ideal Cocoa & Chocolate Co., Lititz, Pa., and New York, N. Y. Chocolate coating. 171,539; Aug. 7; Serial No. 174,780; published May 8, 1923.

Ideal Cocoa & Chocolate Co., Lititz, Pa., and New York, N. Y. Chocolate coating. 171,540; Aug. 7; Serial No. 174,740; published May 8, 1923.

Ideal Cocoa & Chocolate Co., Lititz, Pa., and New York, N. Y. Chocolate. 171,593; Aug. 7; Serial No. 176,129; published May 22, 1923.

Illinois Canning Co., Hoopeston, Ill., assignor to The Illinois Canning Co. Canned corn. 23,464; renewed Aug. 8, 1923.

Illinois Canning Co., Hoopeston, Ill., assignor to The Illinois Canning Co. Canned vegetables. 23,465; renewed Aug. 8, 1923.

Illinois Canning Co., Hoopeston, Ill., assignor to The Illinois Canning Co. Canned corn. 23,481; renewed Aug. 15, 1923.

Illinois Seed Corn Testing Laboratory. (See Tiemann, Otto P.)

Illinois Watch Case Company, Elgin, Ill. Cases for watches. 23,893; renewed Dec. 5, 1923.

Imperial Peanut & Coffee Company. (See George, Robert J.)

Imperial Tobacco Company of Canada. (See Ritchie, D., & Co., assignor.)

Indiana Piston Ring Company, The, Hagerstown, Ind. Engine piston rings. 171,675; Aug. 7.

International Cotton Mills, Boston, Mass. Cotton duck and cotton tire fabrics in the piece. 171,688; Aug. 7.
International Motor Company, New York, N. Y. Motor busses. 171,484; Aug. 7; Serial No. 152,425; published May 22, 1923.
International Motor Company, New York, N. Y. Metal parts for cushioned connections in vehicles. 171,504; Aug. 7; Serial No. 169,213; published May 22, 1923.
International Motor Company, New York, N. Y. Cushioned connections for use in vehicles. 171,507; Aug. 7; Serial No. 168,416; published May 22, 1923.
Interstate Paint & Supplies Co. Inc., Buffalo, N. Y. Roofing compounds known as roof preserves and composition roofing material. 171,574; Aug. 7; Serial No. 172,838; published May 22, 1923.
Italian Food Products Co., Inc., Los Angeles, Calif. Canned tunny fish in olive oil. 171,656; Aug. 7.

J. F. G. Coffee Co. (See Goodson, J. F., & Company.)
Jaenecke-Ault Company, Newark, N. J. Printing inks. 171,318; Aug. 7; Serial No. 168,135; published Apr. 24, 1923.
Jean Garment Company, The, Chicago, Ill. Lingerie, gymnasium bloomers, and underwear. 171,298; Aug. 7; Serial No. 165,382; published May 1, 1923.
Jennings, O. D., and Company, Chicago, Ill. Coin-controlled vending machines. 171,506; Aug. 7; Serial No. 168,719; published Apr. 3, 1923.
Jitze and Fortkamp Company, South Milwaukee, Wis. Fruit preserves, jellies, and other canned fruit products. 171,336; Aug. 7; Serial No. 172,620; published May 8, 1923.
Johns-Manville Incorporated, New York, N. Y. Piston-rod packing. 171,283; Aug. 7; Serial No. 170,294; published Apr. 17, 1923.
Johnson-Appleby Company, Boston, Mass. Canned fruits, flavoring extracts for foods, fruit jams, jellies, and marmalades, etc. 171,380; Aug. 7; Serial No. 146,440; published May 8, 1923.
Johnson-Breyding-Johnson, St. Louis, Mo. Printing and writing paper, envelopes. 171,390; Aug. 7; Serial No. 177,302; published May 8, 1923.
Jordan Marsh Company, Boston, Mass. Cleaning pads for talking-machine records. 171,480; Aug. 7; Serial No. 177,977; published May 22, 1923.

Kane, Samuel J., doing business as Protect-O-Floor Leather Mat Co., San Francisco, Calif. Leather flexible door mat. 171,426; Aug. 7; Serial No. 171,926; published May 8, 1923.
Karasik, Holleb & Co., Chicago, Ill. Canned vegetables, fruits, and fish, spices, etc. 171,411; Aug. 7; Serial No. 172,881; published May 15, 1923.
Keystone Lubricating Company, Philadelphia, Pa. Lubricants. 171,284; Aug. 7; Serial No. 178,512; published May 15, 1923.
Keystone Lubricating Company, Philadelphia, Pa. Lubricants. 171,285–7; Aug. 7; Serial Nos. 178,514–6; published May 15, 1923.
Keystone Lubricating Company, Philadelphia, Pa. Lubricants. 171,288; Aug. 7; Serial No. 178,519; published May 15, 1923.
Keystone Lubricating Company, Philadelphia, Pa. Lubricants. 171,290; Aug. 7; Serial No. 178,741; published May 15, 1923.
Keystone Lubricating Company, Philadelphia, Pa. Lubricants. 171,541–2; Aug. 7; Serial Nos. 178,520–1; published May 15, 1923.
Keystone Lubricating Company, Philadelphia, Pa. Lubricants. 171,543–4; Aug. 7; Serial Nos. 178,517–18; published May 15, 1923.
Keystone Lubricating Company, Philadelphia, Pa. Lubricants. 171,545; Aug. 7; Serial No. 178,508; published May 15, 1923.
Kings County Packing Co., Armona, Calif. Canned fruits. 171,328; Aug. 7; Serial No. 168,421; published May 15, 1923.
Knight, Nita G., Boundbrook, N. J. Candy. 171,511; Aug. 7; Serial No. 162,824; published May 22, 1923.
Kops Brewery, assignor to R. White & Sons, Limited, London, England. Aerated and nonalcoholic ale and stout. 23,793; renewed Nov. 7, 1923.
Kops Brewery, assignor to R. White & Sons, Limited, London, England. Ale aerated and nonalcoholic. 23,872; renewed Nov. 28, 1923.

L. & R. Company, The, Providence, R. I. Shoe laces, corset laces, and elastic webbing. 171,635; Aug. 7.
Laclede-Christy Clay Products Company, St. Louis, Mo. Refractory tiles and bricks for furnaces. 171,671; Aug. 7.
Ladwig-Schlueter Co., Milwaukee, Wis. Beverage sold as a soft drink and syrups used in the preparation of same. 171,476; Aug. 7; Serial No. 178,259; published May 22, 1923.
Lamke & Stemme, Inc., New York, N. Y. Surgical rubber goods and druggists' sundries. 171,515; Aug. 7; Serial No. 173,237; published May 8, 1923.
Lamont-Corliss and Company, New York, N. Y. Chocolate. 171,295; Aug. 7; Serial No. 166,307; published May 15, 1923.
Lancaster Bone Fertilizer Co. Inc., Lancaster, Pa. Fertilizers and lime for fertilizers. 171,548; Aug. 7; Serial No. 178,260; published May 15, 1923.
Lane, W. T., & Brothers, Poughkeepsie, N. Y. Cloth bags and baskets. 171,646; Aug. 7.
Leach, L. D., & Company, Chicago, Ill. Hardwood flooring. 171,566; Aug. 7; Serial No. 174,017; published Mar. 27, 1923.
Leader Iron Works, Decatur, Ill. Tanks. 171,575; Aug. 7; Serial No. 172,749; published May 22, 1923.
Lee, Severin S., doing business as S. S. Lee & Co., Spokane, Wash. Chocolate-coated raisins. 171,306; Aug. 7; Serial No. 164,649; published May 1, 1923.
Lehoczky, Helen, Cleveland, Ohio. Confection. 171,416; Aug. 7; Serial No. 172,481; published May 8, 1923.
Levitt, Benjamin, Philadelphia, Pa. Gasket shellac, glue, and paste. 171,347; Aug. 7; Serial No. 173,290; published May 1, 1923.
Lewis & Harris Handwoven Tweed Company, Limited, The, Stornaway, Lewis Island, Scotland. Cloths and stuffs of wool, worsted, or hair. 171,499; Aug. 7; Serial No. 171,131; published May 22, 1923.
Locomobile Company of America, Incorporated, New York, N. Y. Automobiles and constructive parts thereof. 171,425; Aug. 7; Serial No. 172,002; published May 8, 1923.
London & Greenstein, Inc., New York, N. Y. Ladies' trimmed and tailored hats. 171,628; Aug. 7; Serial No. 176,411; published May 1, 1923.
Louisville Milling Company, Minneapolis, Minn. Wheat flour. 171,341; Aug. 7; Serial No. 172,890; published Apr. 10, 1923.

McCarthy Bros. Inc., West New York, N. J. Pearl buttons. 171,641; Aug. 7.
McLellan, W. C., Lodi, Calif. Fresh grapes. 171,459; Aug. 7; Serial No. 168,371; published May 8, 1923.

Machinery Supply & Draper Company, Walla Walla, Wash. Drapers for machinery for harvesting and treating grains, cereals, etc. 171,693; Aug. 7.
Macomb Manufacturing Company. (See Brainard, Pearl H.)
Madson, C. C., Lanesboro, Minn. Ice cream. 171,466; Aug. 7; Serial No. 166,696; published May 15, 1923.
Maillard, Henry, doing business as Maillard, New York, N. Y. Candies. 171,658; Aug. 7.
Mallinson, H. R., & Co. Inc., New York, N. Y. Silk piece goods. 171,392; Aug. 7; Serial No. 177,092; published May 1, 1923.
Mallinson, H. R., & Co. Inc., New York, N. Y. Silk piece goods. 171,472; Aug. 7; Serial No. 178,524; published May 15, 1923.
Mallinson, H. R., & Co. Inc., New York, N. Y. Silk piece goods. 171,477; Aug. 7; Serial No. 178,110; published May 15, 1923.
Marshall Field & Company, Chicago, Ill. Toweling in the piece. 171,682; Aug. 7.
Marvin, Burdette K., doing business as Marvin Date Company, Riverside, Calif. Dates. 171,361; Aug. 7; Serial No. 170,688; published May 8, 1923.
Massachusetts Cotton Mills, Lowell, Mass. Woven cotton goods. 23,710–11; renewed Oct. 17, 1923.
May, C. Edward, doing business as Crown Bottling Works, Baltimore, Md. Beverage sold as a soft drink. 171,473; Aug. 7; Serial No. 178,349; published May 22, 1923.
Meidrum, Minnie M., New York, N. Y. Bread. 171,689; Aug. 7.
Menominee Motor Truck Co., Clintonville, Wis. Motor trucks. 171,496; Aug. 7; Serial No. 171,647; published May 22, 1923.
Mexican-American Hat Co., St. Louis, Mo. Harvest hats for men, women, and children. 171,655; Aug. 7.
Meyer, Jos. H., Bros., Inc., Brooklyn, N. Y. Reproductions of precious and semiprecious gems and stones. 171,299–300; Aug. 7; Serial Nos. 164,931–2; published Apr. 24, 1923.
Milnor, Oscar J., Rutherford, N. J. Ladies' vanity bags. 171,387; Aug. 7; Serial No. 138,292; published May 15, 1923.
Mitsui Bussan Kaisha, Ltd., Tokyo, Japan. Matches. 171,374–5; Aug. 7; Serial Nos. 156,100–1; published May 8, 1923.
Mitsui Bussan Kaisha, Ltd., Tokyo, Japan. Matches. 171,376; Aug. 7; Serial No. 156,095; published May 15, 1923.
Moline Plow Company, Incorporated, Moline, Ill. Devices for carrying agricultural tools and connecting them to tractors or other sources of draft power. 171,596; Aug. 7; Serial No. 176,202; published May 1, 1923.
Monroe, Lederer & Taussig, Philadelphia, Pa. Paints, paint enamels, stains, varnishes. 171,604; Aug. 7; Serial No. 174,256; published May 8, 1923.
Montague & Co., Inc., New York, N. Y. Cretonnes in the piece, valances, and curtains. 171,394; Aug. 7; Serial No. 177,015; published May 1, 1923.
Moraff, Twining & Co., New York, N. Y. Cotton piece goods and silk and cotton fabrics. 171,614; Aug. 7; Serial No. 177,862; published May 15, 1923.
Mountain Maid Products Company. (See Hood River Apple Vinegar Co.)
Munning, A. P., & Co., Matawan, N. J. Abrasives. 171,294; Aug. 7; Serial No. 166,312; published Apr. 24, 1923.
Murdock Vulcanizing Co., Montrose, Colo. Plaster for use in forming a vulcanizing pad. 171,354; Aug. 7; Serial No. 171,181; published May 1, 1923.

National Tire & Rubber Company, The, East Palestine, Ohio. Rubber tires and tubes. 171,383; Aug. 7; Serial No. 142,892; published May 1, 1923.
Neff, Harry D., Cambridge, Mass. Pliers. 171,608; Aug. 7.
New England Confectionery Company, Boston, Mass. Candy. 171,600; Aug. 7; Serial No. 176,274; published May 22, 1923.
New York Wire & Spring Company, Hoboken, N. J. Automobile bumpers. 171,607; Aug. 7; Serial No. 173,717; published May 1, 1923.
New Zealand Refrigerating Company, Limited, Christchurch, New Zealand. Wool. 171,438; Aug. 7; Serial No. 161,378; published May 1, 1923.
New Zealand Refrigerating Company, Limited, The, Christchurch, New Zealand. Wool. 171,439; Aug. 7; Serial No. 161,373; published May 1, 1923.
Newhall, H. M., & Co., San Francisco, Calif. Canned fruits and vegetables. 171,368; Aug. 7; Serial No. 169,771; published May 8, 1923.
North American Mercantile Co. Inc., San Francisco, Calif. Canned fruits, vegetables, and fish, dried fruits, etc. 171,536; Aug. 7; Serial No. 174,910; published May 8, 1923.
Nut Lunch Company. (See Townsend, Glenn.)

Oberndorfer Company, The, Milwaukee, Wis. Rubber aprons. 171,307; Aug. 7; Serial No. 164,185; published May 1, 1923.
Ocklawaha Nurseries, Lake Jem, Fla. Citrous trees and plants. 171,676; Aug. 7.
O'Connor, Frederick A., doing business as Cremo Caramel Company, Toronto, Ontario, Canada. Candy. 171,692; Aug. 7.
Ohmer Fare Register Company, Dayton, Ohio. Fare recorders and registers, fare boxes and taximeters, etc. 171,651; Aug. 7.
Olmsted, Charles, San Francisco, Calif. Candied almonds. 171,344; Aug. 7; Serial No. 173,202; published May 22, 1923.
Oneida Community, Limited, Oneida, N. Y. Silver-plated flatware, tableware, and cutlery. 171,326–7; Aug. 7; Serial Nos. 168,617–18; published Apr. 24, 1923.
Oneida Community, Limited, Oneida, N. Y. Silver-plated flatware, tableware, and cutlery. 171,329; Aug. 7; Serial No. 168,724; published Apr. 24, 1923.
Ottenheimer, Reuben E., doing business as The Reol Refrigerator Co., Baltimore, Md. Refrigerators and refrigerator show cases. 171,345; Aug. 7; Serial No. 173,204; published Apr. 24, 1923.

Pacific Mills, Lawrence and Boston, Mass. Sheetings and shirtings. 171,448; Aug. 7; Serial No. 158,725; published May 8, 1923.
Package Paper & Supply Corporation, Springfield, Mass. Wrapping paper, particularly bread wrappers. 171,535; Aug. 7; Serial No. 177,923; published May 8, 1923.
Pagoda Import Company, Inc., Brooklyn, N. Y. Hair curlers. 171,647; Aug. 7.
Paristyle Novelty Co. Inc., New York, N. Y. Hair nets. 171,636; Aug. 7.
Parke, Davis & Company, Detroit, Mich. Nebulizers and syringes. 171,359; Aug. 7; Serial No. 170,782; published May 15, 1923.
Parker Brothers, Salem, Mass. Card games. 171,534; Aug. 7; Serial No. 175,210; published May 8, 1923.
Parker Rubber Mfg. Co., Boston, Mass. Combination and rubber heels. 171,702; Aug. 7.
Parks & Parks, Inc., Troy, N. Y. Shoe daubers. 171,622; Aug. 7; Serial No. 177,322; published May 22, 1923.
Parvin, William R., doing business as W. R. Parvin Co., Ogden, Utah. Fresh deciduous fruits and fresh vegetables. 171,458; Aug. 7; Serial No. 168,372; published May 8, 1923.
Patchogue-Plymouth Mills Corporation, New York, N. Y. Nets, draperies, and curtains made of cotton. 171,367; Aug. 7; Serial No. 169,924; published May 8, 1923.
Pearson, William E., Paris, France, assignor to E. T. Pearson, Hamburg, Germany. An oily medicinal preparation for internal and external use. 23,662–3; renewed Sept. 26, 1923.
Perkins Marine Lamp Corporation, New York and Brooklyn, N. Y. Lamps, lanterns, etc. 171,487; Aug. 7; Serial No. 139,369; published May 22, 1923.
Peter Cailler Kohler Swiss Chocolates Co., Inc., New York, N. Y. Milk-chocolate coating for candy. 171,665; Aug. 7.
Petersen, Paul W., Chicago, Ill. Refrigerated comestibles—namely, frozen fish. 171,315; Aug. 7; Serial No. 167,421; published May 1, 1923.
Petruzzelli, Ignatius, New York, N. Y. Rubber coverings for hats. 171,657; Aug. 7.
Phenix Cheese Co., New York, N. Y. Butter. 171,687; Aug. 7.
Phillips Insulated Wire Company, Pawtucket, R. I. Insulated wire and insulated wire cables. 23,857; renewed Nov. 21, 1923.
Pike Manufacturing Company, Pike and Littleton, N. H.; Evansville, Vt.; New York, N. Y.; Orleans, Ind.; and Hot Springs, Ark. Oilstones, scythestones, whetstones, axstones, etc. 171,350; Aug. 7; Serial No. 173,362; published Apr. 24, 1923.
Planters and Merchants Mills, New Braunfels and San Antonio, Tex. Gingham cloth in the piece. 171,445; Aug. 7; Serial No. 159,429; published Aug. 29, 1922.
Pond, E. K., Company, Chicago, Ill. Peanut butter. 171,627; Aug. 7; Serial No. 176,427; published May 22, 1923.
Portage Shoe Mfg. Company, Portage, Wis. Shoes made wholly or in part of leather. 171,570; Aug. 7; Serial No. 173,530; published May 1, 1923.
Porzellanfabrik Ph. Rosenthal & Co., A. G., Berlin, Germany. China. 171,500; Aug. 7; Serial No. 171,103 Published May 22, 1923.
Porzellanfabrik Ph. Rosenthal & Co., A. G., Berlin, Germany. China. 171,501; Aug. 7; Serial No. 171,102; published May 15, 1923.
Powell Knitting Company, The, Philadelphia, Pa. Hosiery. 171,460; Aug. 7; Serial No. 168,237; published May 8, 1923.
Powell Knitting Company, The, Philadelphia, Pa. Hosiery. 171,467; Aug. 7; Serial No. 166,248; published May 8, 1923.
Preston, Burton, & Co., Mansfield, Ohio. Monuments. 171,373; Aug. 7; Serial No. 157,002; published May 1, 1923.
Printz Biederman Co., The, Cleveland, Ohio. Coats, suits, dresses, outer skirts and waists. 171,669; Aug. 7.
Protect-O-Floor Leather Mat Co. (See Kane, Samuel J.)
Pull-Rak Company. (See Honeyman, William A.)
Pup Toys Company, The, Chicago, Ill. Candlesticks, incense burners, and lamps. 171,581; Aug. 7; Serial No. 175,158; published May 22, 1923.

Quick Klean Kemical Company, Worcester, Mass. Hand, household, and automobile soap and paste. 171,644; Aug. 7.
Quint, Samuel, doing business as Samuel Quint Company, New York, N. Y. Cotton and woolen hosiery and underwear of knitted material. 171,305; Aug. 7; Serial No. 164,667; published May 1, 1923.

R. & R. Manufacturing Company. (See Ruffner, Meyer F.)
Rauch & Lang, Inc., Chicopee Falls, Mass. Electrically-propelled road vehicles, not including trucks and tractors. 171,488; Aug. 7; Serial No. 136,726; published May 22, 1923.
Reach, Abraham L., doing business as A. L. Reach Textile Co., New York, N. Y. Furniture and furniture-van-pads. 171,623; Aug. 7; Serial No. 177,244; published May 22, 1923.
Read Hosiery Mills, McMinnville, Tenn. Hosiery. 171,330; Aug. 7; Serial No. 168,788; published May 8, 1923.
Reel Products Company, Cedar Rapids, Iowa. Yeast cakes for culinary purposes. 171,355; Aug. 7; Serial No. 171,104; published May 8, 1923.
Regulation Paint Co., Louisville, Ky. Paint, varnish, paint enamel, etc. 171,527; Aug. 7; Serial No. 176,044; published May 8, 1923.
Remy, Albert F., Co., The, Mansfield, Ohio. Canned fruits, vegetables, fish, meats, oysters, catchups and soups. 23,466; renewed Aug. 8, 1923.
Remy, Albert F. Co., The, Mansfield, Ohio. Canned fruits, vegetables, fish, meat, oysters, catchup, and soup. 23,482; renewed Aug. 15, 1923.
Reol Refrigerator Co. (See Ottenheimer, Reuben E.)
Rice, A. L., Inc., Adams, N. Y. Dry paint composition. 171,430; Aug. 7; Serial No. 165,507; published May 15, 1923.
Richardson & Boynton Company, New York, N. Y., and Chicago, Ill. Hot air and water heaters. 23,323; renewed July 4, 1923.
Richardson, O. W., & Co., Chicago, Ill. Linoleum. 171,631; Aug. 7; Serial No. 175,945; published May 15, 1923.
Richardson, O. W., & Co., Chicago, Ill. Textile rugs and carpets. 171,632; Aug. 7; Serial No. 175,944; published May 15, 1923.
Ritchie, D. & Co., Montreal, Canada, assignor to Imperial Tobacco Company of Canada. Tobacco, cigars, cigarettes, and cheroots. 23,348; renewed July 11, 1923.
Rome Importing Co., New York, N. Y. Olive oil. 171,639; Aug. 7.
Rosenfeld, E., & Company, assignor to Faultless Nightwear Corporation (E. Rosenfeld and Co.), Baltimore, Md. Nightshirts and pyjamas. 171,663; Aug. 7.
Rosenthal, A. S., Co., Inc., New York, N. Y. All-silk fabric. 171,405; Aug. 7; Serial No. 176,502; published May 1, 1923.
Rossi, Peter, & Sons, Inc., Braidwood, Ill. Macaroni. 171,360; Aug. 7; Serial No. 170,730; published May 8, 1923.
Ruffner, Meyer F., doing business as R. & R. Manufacturing Company, Okmulgee, Okla. Cooked potato resembling potato chips. 171,417; Aug. 7; Serial No. 172,442; published May 8, 1923.
Rugg, E. T., & Co., Newark, Ohio. Rope. 171,447; Aug. 7; Serial No. 158,835; published May 15, 1923.
Ruggles, Harry M., doing business as Dryol Polish Mfg. Co., Philadelphia, Pa. Cleaning and polishing oil for varnished, painted, and lacquered surfaces. 171,431; Aug. 7; Serial No. 165,159; published May 8, 1923.
Ruppert, Jacob, New York, N. Y. Barley-malt extract. 171,346; Aug. 7; Serial No. 173,213; published May 1, 1923.

Sahlin, Max, Denver, Colo. Mechanical devices for straightening crooked toes. 171,523; Aug. 7; Serial No. 176,134; published May 8, 1923.

Santa Paula Citrus Fruit Association, Santa Paula, Calif. Fresh lemons. 171,436; Aug. 7; Serial No. 163,703; published May 8, 1923.

Satsuma Orange & Pecan Groves Company, Inc. Mobile and Satsuma, Ala. Fresh fruit—viz, satsuma. 171,591; Aug. 7; Serial No. 176,047; published May 22, 1923.

Schoolhouse, Chas., & Son. (See Schoolhouse, Lewis.)

Schoolhouse, Lewis, doing business as Chas. Schoolhouse & Son, New York, N. Y. Silk, cotton, and silk and cotton mixed piece goods. 171,413; Aug. 7; Serial No. 177,876; published May 15, 1923.

Schrafft's. (See Shattuck, Frank G., Company.)

Shaffner, S. E., Co., Portland, Oreg. Food-flavoring extracts, crushed and canned fruits. 171,453; Aug. 7; Serial No. 168,807; published May 15, 1923.

Shattuck, Frank G., Company, doing business as Schrafft's, New York, N. Y. Candy. 171,335; Aug. 7; Serial No. 172,560; published May 15, 1923.

Sheffield, Lawrence B., doing business as L. B. Sheffield Company, Inc., Richmond, Va. Table sirups. 171,696; Aug. 7.

Sherwin-Williams Company, The, Cleveland, Ohio. Foundation dampproofing. 171,677; Aug. 7.

Sherwin-Williams Company, Cleveland, Ohio. Wood preservative. 171,700; Aug. 7.

Shirey & Brown, Buena Vista, assignor to Arnica Cream Company, Inc., Roanoke, Va. An emollient for the skin. 23,800; renewed Nov. 7, 1923.

Siegbert, Louis, & Bro., New York, N. Y. Cotton piece goods. 171,415; Aug. 7; Serial No. 172,493; published May 15, 1923.

Sipe, James R. & Co., Inc., Bridgeville, Pa. Plastic or semiplastic cement for protecting iron. 171,582; Aug. 7; Serial No. 175,218; published May 22, 1923.

Smith, Charles T., Company, Inc., New Bedford, Mass. Beverages sold as soft drinks. 171,597; Aug. 7; Serial No. 176,223; published May 22, 1923.

Smith, George W., Co. (See Treat, Clifford W.)

Smith, Joshua G., St. Paul, Minn. Chocolates wrapped in colored metal foil. 171,386; Aug. 7; Serial No. 141,192; published May 8, 1923.

Smith & Wyman Co., Minneapolis, Minn. Manufactured lumber known as millwood. 171,674; Aug. 7.

Societe en Commandite Maurice Frings & Cie., Paris, France. Cotton thread. 171,558; Aug. 7; Serial No. 177,573; published May 8, 1923.

Solvine Chemical Company. (See Binkert, Damon A.)

Southern Textile Machinery Co., Manufacturers, Dallas, Tex. Neckties. 171,662; Aug. 7.

Spiegle, Geo. M., & Co., Philadelphia, Pa. Lumber of all kinds. 171,424; Aug. 7; Serial No. 172,018; published May 1, 1923.

St. Anonyme du Fibrociment et des Revetements Elo, Poissy, France. Building materials. 171,444; Aug. 7; Serial No. 159,539; published May 1, 1923.

Stafford, George A., doing business as G. A. Stafford & Co., New York, N. Y. Woven cotton fabrics in the piece. 171,525; Aug. 7; Serial No. 176,103; published May 8, 1923.

Stafford Roller Bearing Car Truck Corporation, Lawton, Mich. Roller bearings and roller-bearing journal boxes. 171,654; Aug. 7.

Standard Oil Company of New York, New York, N. Y. Petroleum and products of petroleum. 171,553; Aug. 7; Serial No. 178,147; published May 8, 1923.

Standard Oil Company of New York, New York, N. Y. Petroleum and products of petroleum. 171,556; Aug. 7; Serial No. 177,881; published May 8, 1923.

Standard Oil Company of New York, New York, N. Y. Petroleum and products of petroleum. 171,557; Aug. 7; Serial No. 177,879; published May 8, 1923.

Standard Products Company, Providence, R. I. Shoe lacings. 171,637; Aug. 7.

Standard Purveyors, Inc., New York, N. Y. Canned peas, tomato purée, apples, etc. 171,603; Aug. 7; Serial No. 174,344; published May 8, 1923.

Star Motors Incorporated, New York, N. Y. Automobiles and constructive parts thereof. 171,352; Aug. 7; Serial No. 171,340; published May 8, 1923.

Ste. Anme. du Fibrociment et des Revetements Elo, Poissy, France. Building materials composed of a compound of fiber and cement. 171,512; Aug. 1; Serial No. 159,540; published May 22, 1923.

Stearns, Justus S., doing business as Stearns Motor Manufacturing Co., Ludington, Mich. Internal-combustion engines. 171,685; Aug. 7.

Stephens, A. J., Rubber Co., Kansas City, Mo. Outer tires or coverings for pneumatic-tire casings. 171,516; Aug. 7; Serial No. 173,206, published Apr. 17, 1923.

Stephens Canning Corporation, Oakfield, Wis. Canned peas. 171,653; Aug. 7.

Stephens Motor Car Company, Incorporated, Moline, Ill. Automobiles. 171,530–1; Aug. 7; Serial Nos. 175,571–2; published May 8, 1923.

Sterling Top & Equipment Company, Inc., Jersey City, N. J., and New York, N. Y. Automobile tops. 171,587; Aug. 7; Serial No. 175,573; published May 22, 1923.

Stern Clothing Co., New York, N. Y. Men's and young men's suits and topcoats. 171,316; Aug. 7; Serial No. 167,851; published May 1, 1923.

Stetson Shop, The, Pittsburgh, Pa. Leather shoes and boots. 171,699; Aug. 7.

Stoy, Johanna J., Los Angeles, Calif. Sirup-impregnated fruit in candy form. 171,406; Aug. 7; Serial No. 141,333; published Mar. 27, 1923.

Sturdy's, J. F., Sons Co., Attleboro Falls, Mass. Buckles, cuff buttons, cuff links, collar buttons, etc. 171,638; Aug. 7.

Suffern, Robert A., New York, N. Y. Unbleached sheetings and drills. 171,312; Aug. 7; Serial No. 166,856; published Mar. 27, 1923.

Sullivan, R. G., Estate, Manchester, N. H. Cigars. 171,670; Aug. 7.

Sun-Ril Auto Polish Co., Somerville, Mass. Polish for automobiles, furniture, etc. 171,554; Aug. 7; Serial No. 177,926; published May 8, 1923.

Sunray Stove Company, The, Delaware, Ohio. Gas ranges and heaters. 171,478; Aug. 7; Serial No. 178,071; published May 22, 1923.

Superior Flake Graphite Company, Chicago, Ill. Graphite. 171,495; Aug. 7; Serial No. 171,968; published May 22, 1923.

Sur-Duz Products Company, Kansas City, Mo. Automobile auxiliary gasoline tank. 171,462; Aug. 7; Serial No. 167,957; published May 8, 1923.

Surbrug Chocolate Corporation. (See Surbrug, John W.)

Surbrug, John W., doing business as Surbrug Chocolate Corporation, New York, N. Y. Candy and sugared assorted nuts. 171,503; Aug. 7; Serial No. 169,962; published May 22, 1923.

Tacoma Biscuit & Candy Co., Tacoma, Wash. Soda crackers. 171,342; Aug. 7; Serial No. 172,913; published Apr. 10, 1923.

Tamal Packing Co., San Francisco, Calif. Canned tomatoes. 171,602; Aug. 7; Serial No. 174,599; published May 8, 1923.

Taylor, J. L., Co., The, Los Angeles, Calif. Fresh citrous and deciduous fruits, dried or dehydrated fruits and vegetables, etc. 171,432; Aug. 7; Serial No. 164,977; published May 8, 1923.

Tetralin-Gesellschaft mit beschränker Haftung, Berlin, Germany. Resins, coal, coke, rubber, etc. 171,384; Aug. 7; Serial No. 142,047; published May 1, 1923.

Tetralin Gesellschaft mit beschränkter Haftung, Berlin, Germany. Rubber mats, waterproofed fabrics, etc. 171,385; Aug. 7; Serial No. 142,044; published May 8, 1923.

Tiemann, Otto P., doing business as Illinois Seed Corn Testing Laboratory, Bloomington, Ill. Seed corn. 171,679; Aug. 7.

Timken Roller Bearing Company, The, Canton, Ohio. Roller bearings and parts thereof. 171,583; Aug. 7; Serial No. 175,278; published May 1, 1923.

Toch Brothers, Incorporated, New York, N. Y. Liquid paint. 171,391; Aug. 7; Serial No. 177,251; published May 8, 1923.

Tom's Cove Salt Sea Oyster Co. (See Field, Samuel B.)

Torrington Company, The. (See Excelsior Needle Company, assignor.)

Townsend, Glenn, doing business as Nut Lunch Company, Portland, Oreg. Peanut butter. 171,463; Aug. 7; Serial No. 167,855; published May 8, 1923.

Treat, Clifford W., doing business as George W. Smith Co., Bennington, Vt. Maple sirup. 171,423; Aug. 7; Serial No. 172,021; published May 8, 1923.

Triumph Electric Co., The, doing business as The Triumph Ice Machine Co., Oakley, Cincinnati, Ohio. Ice-making and refrigerating machinery and the several parts thereof. 171,314; Aug. 7; Serial No. 167,210; published May 1, 1923.

Triumph Ice Machine Co. (See Triumph Electric Co., The.)

Tully, Michael P., doing business as Atex Mills, New York, N. Y. Nainsook athletic underwear. 171,291; Aug. 7; Serial No. 166,542; published May 8, 1923.

U. R. S. Candy Stores, Inc., doing business as United Happiness Candy Stores, Long Island City, N. Y. Candy. 171,310; Aug. 7; Serial No. 162,594; published May 1, 1923.

U. S. Leather Goods Company, Chicago, Ill. Pocketbooks, bill folds, cardcases, etc. 171,520; Aug. 7. Serial No. 173,455; published May 8, 1923.

Ulmann, Bernhard Co. Inc., New York, N. Y. Yarns for knitting, crocheting, and art needlework. 171,552; Aug. 7; Serial Nos. 178,149–50; published May 8, 1923.

Union News Company, The, New York, N. Y. Candies and assorted chocolates. 171,333; Aug. 7; Serial No. 172,498; published May 15, 1923.

United Confectioners Supply Co., New York, N. Y. Flavors for food, marshmallow topping, etc. 171,446; Aug. 7; Serial No. 158,906; published May 8, 1923.

United Happiness Candy Stores. (See U. R. S. Candy Stores, Inc.)

United States Bronze Powder Works, Inc., New York, N. Y. Bronze powder and bronzing liquid. 171,408; Aug. 7; Serial No. 176,313; published May 8, 1923.

United States Lens Company, The, Wheeling, W. Va. Automobile headlight cover glasses. 171,410; Aug. 7; Serial No. 173,059; published May 8, 1923.

Valiquette, Gilles, Montreal, Quebec, Canada. Rubber tire treads. 171,450; Aug. 7; Serial No. 169,339; published May 1, 1923.

Vanderkoogh, Charles, Plainfield, N. J. Mayonnaise dressing. 171,649; Aug. 7.

Vanity Fair Silk Mills, Reading, Pa. Garment composed of a combination brassière and chemise. 171,293; Aug. 7; Serial No. 166,420; published May 1, 1923.

Velvet Oil Company, The, Toledo, Ohio. Motor oils. 171,371; Aug. 7; Serial No. 178,684; published May 22, 1923.

Velvet Piston Ring Co., Detroit, Mich. Piston rings. 171,428; Aug. 7; Serial No. 171,824; published May 8, 1923.

Vero Indian River Producers Association, Vero, Fla. Fresh citrous fruits. 171,351; Aug. 7; Serial No. 171,478; published May 8, 1923.

Vitrefrax Company, Inc., The, Los Angeles, Calif. Refractory lining, bricks, cements, and furnace bottom grains, etc. 171,363; Aug. 7; Serial No. 170,417; published May 8, 1923.

Vitrefrax Company, Inc., The, Los Angeles, Calif. Refractory lining, mastic fire walls, cements, etc. 171,364–5; Aug. 7; Serial No. 170,414–15; published May 8, 1923.

Voss & Stern, New York, N. Y. Cotton piece goods. 171,481; Aug. 7; Serial No. 177,939; published May 15, 1923.

Waelchli, N. L., Denver, Colo. Pharmaceutical preparations used as an inhalant for use in cases of tuberculosis. 171,340; Aug. 7; Serial No. 172,852; published Apr. 24, 1923.

Waldo, E. M. and F., New York, N. Y. Paints. 171,456; Aug. 7; Serial No. 168,503; published May 8, 1923.

Walla Walla Valley Prune Growers Co-Operative Association, Freewater, Oreg. Fresh boxed Italian prunes. 171,455; Aug. 7; Serial No. 168,697; published May 8, 1923.

Waller, L. D., Seed Co., The, Guadalupe, Calif. Garden and flower seeds. 171,464; Aug. 7; Serial No. 167,542; published May 1, 1923.

Wallkill Hat Works Inc., New York, N. Y. Men's soft and stiff felt hats and straw hats. 171,695; Aug. 7.

Walter, John H., Brooklyn, N. Y. Masticatories—namely, chewing gum and candies. 171,303; Aug. 7; Serial No. 164,738; published May 15, 1923.

Warren Foundry and Machine Company, Phillipsburg, N. J. Cast-iron gas and water pipes and fittings. 171,301; Aug. 7; Serial No. 164,846; published Apr. 24, 1923.

Washburn-Crosby Company, Minneapolis, Minn. Wheat flour. 171,443; Aug. 7; Serial No. 159,545; published Mar. 27, 1923.

Washington Pastry Co. (See De Vito, Aristide.)

Washington, Thomas C., Chevy Chase, Washington, D. C. Puzzles. 171,322; Aug. 7; Serial No. 168,342; published May 1, 1923.

Waumbek Manufacturing Company, New York, N. Y. Cotton crêpe fabrics in the piece. 171,475; Aug. 7; Serial No. 178,317; published May 15, 1923.

Western Bottle Manufacturing Company, also doing business as The Western Company. Handkerchiefs and hair nets. 171,529; Aug. 7; Serial No. 176,136; published May 8, 1923.

Western Gas Fixture Co., The, Toledo, Ohio. Domes and shades of paper for lighting fixtures. 171,681; Aug. 7.

Whip-Lite Products Co., New York, N. Y. Edible preparation suitable for mixture with milk and cream in beating up these products into a frothy condition. 171,441; Aug. 7; Serial No. 160,840; published May 8, 1923.

White, Joseph J., Inc., New Lisbon, N. J. Fresh blueberries. 171,332; Aug. 7; Serial No. 172,457; published May 8, 1923.

White, R., & Sons, Limited. (See Kops Brewery, assignor.)

White, S. S., Dental Manufacturing Company, The, Philadelphia, Pa. Orthodontic appliances. 171,437; Aug. 7; Serial No. 162,226; published May 15, 1923.

White Tar Company, The, New York, N. Y. Paper bags and chests. 171,585; Aug. 7; Serial No. 175,447; published May 22, 1923.

Whittall, M. J., Associates, Worcester, Mass. Wilton and plush carpets. 171,465; Aug. 7; Serial No. 167,064; published May 15, 1923.

Wilcox Motor Parts & Manufacturing Company, Saginaw, Mich. Tappets and poppet valves for explosion engines. 171,569; Aug. 7; Serial No. 173,546; published May 1, 1923.

Willcox & Gibbs Sewing Machine Company, New York, N. Y. Hosiery and underwear. 23,194; renewed June 13, 1923.

Wilder & Company, Chicago, Ill. Sole leather. 171,678; Aug. 7.

Wilson, G. N. W., Tacoma, Wash. Razor strops. 171,304; Aug. 7; Serial No. 164,684; published Apr. 24, 1923.

Wilton Manufacturing Company, Inc., New York, N. Y. Cotton piece goods. 171,619; Aug. 7; Serial No. 177,718; published May 15, 1923.

Wolfe Leather Co., Boston, Mass. Leathers. 171,629; Aug. 7; Serial No. 176,392; published May 22, 1923.

Woodlawn Mill & Boom Co., The, Hoquiam, Wash. Cedar shingles. 171,378; Aug. 7; Serial No. 148,857; published Oct. 17, 1922.

World Publishing Company, Tulsa, Okla. Daily paper. 171,640; Aug. 7.

Yale Cloak Co. Inc., New York, N. Y. Children's and ladies' coats and capes. 171,292; Aug. 7; Serial No. 166,426; published May 8, 1923.

Yellow Cab Manufacturing Co., Chicago, Ill. Automobile taxicabs. 171,494; Aug. 7; Serial No. 171,976; published May 22, 1923.

Yzermans & Co., Vlaardingen, Netherlands. Herrings and sardines. 23,293; renewed July 4, 1923.

ALPHABETICAL LIST OF REGISTRANTS OF LABELS.

Caldwell, William, New York, N. Y. Skwez-Me A Howling Success. For Skwez-Me Squawkers. 26,283; Aug. 7.

Cressey, Mildred, Milwaukee, Wis. Mildred Cressey Silver Polish. For a Polish for Gold, Silver, or Any Like Materials Where a Bright Lustrous Finish is Desired. 26,284; Aug. 7.

Davey Tree Expert Company, The, Kent, Ohio. Daveylac. For Shellac for Trees. 26,285; Aug. 7.

France Milling Company. (See Richardson Company, assignor.)

Fredonia Seed Company, Fredonia, N. Y. Velvet Lawn Grass. For Lawn-Grass Seed. 26,286; Aug. 7.

Ft. Smith Creamery Company. (See Menasha Printing and Carton Company, assignor.)

General Electric Company, Schenectady, N. Y. Welding Electrode. For Welding Electrodes. 26,287; Aug. 7.

Haslett, Elmer, Los Angeles, Calif. The Rose of Guadalupe (La Rose de Guadalupe). For Face Powder. 26,288; Aug. 7.

Kellogg Company, Battle Creek, Mich. Kellogg's Corn Flakes. For Cereal Breakfast Food. 26,289; Aug. 7.

Kellogg Company, Battle Creek, Mich. Kellogg's Bran Flakes. For Cereal Breakfast Food. 26,290; Aug. 7.

Krasnow, R., & Sons, Inc., Pittsburgh, Pa., and Fresno, Calif. Smile. For Oranges. 26,291; Aug. 7.

Kutner-Goldstein Co., San Francisco, Calif. Kutner's Highland. For Coffee. 26,292; Aug. 7.

Leader Novelty Candy Company, Inc., Brooklyn, N. Y. Picture Alphabetic Prize Candy Box. For Candy and a Prize. 26,293–305; Aug. 7.

Melodew Corporation, New York, N. Y. Melodew Prepared Liquid Chocket. For Chocolate. 26,306; Aug. 7.

Menasha Printing and Carton Company, Menasha, Wis., assignor to Ft. Smith Creamery Company, Fort Smith, Ark. Ft. Smith Maid. For Butter. 26,307; Aug. 7.

National Carbon Company, Inc., New York, N. Y. Eveready "Three" Radio Battery. For Electric Batteries. 26,308; Aug. 7.

Paddon, Roland L., Chicago, Ill. Ace High Shampoo Always Wins. For Shampoo. 26,309; Aug. 7.

Prim, J. M., Brunswick, Ga. J. M. P. For Cigars. 26,310; Aug. 7.

Richardson Company, The, Lockland, Ohio, assignor to France Milling Company, Cobleskill, N. Y. Gold Medal Brand. For Pancake Flour. 26,311; Aug. 7.

Robertson Paper Co. Inc., Bellows Falls, Vt. Golden-Crust. For Bread. 26,312; Aug. 7.

Sheppard, George W., San Francisco, Calif. Composite reproduction of Egyptian Art, XVIII Dynasty, King Tut Ankh Amen Game. For a Parlor Game. 26,313; Aug. 7.

Sheppard, George W., San Francisco, Calif. Composite Reproduction of Ancient Egyptian Exploration, King Kepern neb Ra Tut Ankh Amen Puzzle Game. For a Parlor Game. 26,314; Aug. 7.

Spestos Mfg. Co., The, Pittsburgh, Pa. "Spestos" The Celebrated Cleaner. For a Cleaner for Painted Walls, Woodwork, Window Shades, Carpets, Autos, Upholstery, and the Like. 26,315; Aug. 7.

Spestos Mfg. Co., The, Pittsburgh, Pa. "Spestos" Furniture Polish. For a Polish for Furniture, Pianos, Woodwork, Floors, Automobiles, and the Like. 26,316; Aug. 7.

Webb, Thomas J., Company, Chicago, Ill. Mascot. For Coffee. 26,317; Aug. 7.

Western Sausage & Provision Co. Inc., New York, N. Y. Casallugo. For Tomato Paste. 26,318; Aug. 7.

ALPHABETICAL LIST OF REGISTRANTS OF PRINTS.

Cream of Wheat Co., Minneapolis, Minn. The World's Fare. For Wheat Breakfast Food. 6,847; Aug. 7.

Hinds, A. S., Co., Portland, Me. The After-Shave Comfort and Enjoyment. For A. S. Hinds Co. Honey and Almond Cream. 6,848; Aug. 7.

Hinds, A. S., Co., Portland, Me. The Powder Base Perfection. For Hinds Honey and Almond Cream and Cre-mis Face Powder. 6,849; Aug. 7.

Krank, Alfred J., St. Paul, Minn. Krank's Hair-Root-Oil. For a Hair Tonic. 6,850; Aug. 7.

Locomotive Firebox Company, Chicago, Ill. The Heart Of The Locomotive. For Parts of Locomotive Boilers Known as Thermic Siphons. 6,851; Aug. 7.

Minimax Company, New York, N. Y. No Fire can expand with Minimax at hand. For Fire Extinguishers. 6,852; Aug. 7.

Sherwood Petroleum Company, Inc., Brooklyn, N. Y. Mr. I. Lubricate. For Lubricating Oils. 6,853; Aug. 7.

Williams, J. B., Company, The, Glastonbury, Conn. Williams' Holder Top-Doublecap. For Shaving-Soap Sticks. 6,854; Aug. 7.

Williams, J. B., Company, The, Glastonbury, Conn. Williams' Shaving Cream. For Shaving Cream. 6,855; Aug. 7.

Williams, J. B., Company, The, Glastonbury, Conn. Williams' Holder Top. For Shaving-Soap Sticks. 6,856; Aug. 7.

ALPHABETICAL LIST OF TRADE-MARK APPLICANTS.

PUBLISHED FOR OPPOSITION.

[Act of Feb. 20, 1905, Sec. 6, as amended Mar. 2, 1907.]

A. Gazzoni & C., Bologna, Italy. Preparation for cough. 175,600; Aug. 7.

Abbott Laboratories, Chicago, Ill. Butyl aminobenzoate. 179,913; Aug. 7.

Adensite Co., Inc., New York, N. Y. Liquid integral used in mixing of building materials. 180,317; Aug. 7.

Advertising Auto Speedway Co., The, Columbus, Ohio. Miniature automobile race track and cars for use thereon. 179,506; Aug. 7.

Aetna Life Insurance Company, Hartford, Conn. Monthly periodical. 180,319; Aug. 7.

Allen Horace L., Mfg. Co., Nashville, Tenn. Overalls, pants, and working shirts. 175,591; Aug. 7.

Alpen Company, The, St. Louis, Mo. Counterirritant and rubefacient. 179,129; Aug. 7.

Alta Clothing Company, Boston, Mass. Men's and youths' overcoats, raincoats, suit coats, suits, vests, and trousers. 181,234; Aug. 7.

American Kreuger & Toll Corporation, New York, N. Y. Pharmaceutical preparation used for the treatment of foot and mouth diseases, etc. 174,719; Aug. 7.

American Radium Appliance Company, New York, N. Y. Medicinal preparation indicated in chronic inflammations of the mucous membranes. 179,699; Aug. 7.

American Seeding Machine Company, The, Springfield, Ohio. Seeding implements, particularly grain drills and broadcast seeders. 178,654; Aug. 7.

American Wholesale Corporation (Baltimore Bargain House), Baltimore, Md. Catalogue issued monthly. 179,256; Aug. 7.

American Wiremold Company, Hartford, Conn. Braiding and weaving machines. 179,703; Aug. 7.

American Woolen Company, Rochdale, Mass. Woolen piece goods. 181,372; Aug. 7.

Anaconda Copper Mining Company, New York, N. Y. Tubes. 177,210; Aug. 7.

Anaheim Valencia Growers Ass'n, Anaheim, Calif. Fresh citrous fruits. 178,376; Aug. 7.

Anthony, Harry W., Strausstown, Pa. Men's hosiery. 171,522; Aug. 7.

A-1 Manufacturing Company, Philadelphia, Pa. Metal polish. 176,318; Aug. 7.

Apaca Knitting Mills. (See Forstadt, Jacob.)

Appleton Toy & Furniture Co., Appleton, Wis. Porch furniture. 161,403; Apr. 7.

Automatic Curtain Co. (See Warren, Clyde W.)

Azol Laboratories. (See Gilbert, Glenn R.)

Bachman & Wickens, Newark, N. J. Compound for use in washing clothes. 179,084; Aug. 7.

Baeffsky, Louis, doing business as Famous Raincoat Company, Cincinnati, Ohio. Men's and boys' overcoats and suits. 157,910; Aug. 7.

Baker, Hamilton and Pacific Company, San Francisco, Calif. Padlocks and key blanks. 170,351; Aug. 7.

Baker, Hamilton and Pacific Company, San Francisco, Calif. Asphalt-saturated roofing felt, building paper, deadening felt, etc. 170,353; Aug. 7.

Baker, Hamilton and Pacific Company, San Francisco, Calif. Adhesive tape for electrical purposes. 170,355; Aug. 7.

Baker, Hamilton and Pacific Company, San Francisco, Calif. Adhesive tape. 170,356; Aug. 7.

Baldwin Tool Works, Parkersburg, W. Va. Shovels, spades, scoops, posthole diggers, etc. 166,636; Aug. 7.

Bass & Gross, New York, N. Y. Dresses for ladies and misses. 181,238; Aug. 7.

Battle Creek Food Company, The, Battle Creek, Mich. Cereal biscuit. 175,700; Aug. 7.

Bear Brand Hosiery Co. (See Regal Knitting Company.)

Bear Brand Hosiery Co., Chicago, Ill. Hosiery. 176,319; Aug. 7.

Bear Mill Manufacturing Company, Inc., New York, N. Y. Cotton broadcloth. 179,351; Aug. 7.

Bech, Van Sicien & Co., Inc., New York, N. Y. Solidified-coal-tar disinfectants. 174,815; Aug. 7.

Beck, Wm., & Chas., Inc., Lawrence, Mass. Cotton fire hose. 176,874; Aug. 7.

Berger, Harry, doing business as Harry Berger Shirt Company, New York, N. Y. Men's and boys' collars, pyjamas, and shirts. 180,740–3; Aug. 7.

Berry, Demoville & Co., Nashville, Tenn. Castor oil. 176,157; Aug. 7.

Biegler, E. N., Manufacturing Co., Chicago, Ill. Plaster-like composition for use as a surfacing for floors walls, roofs, etc. 180,412; Aug. 7.

Blake, William H., Jersey City, N. J. Mechanical pencils. 181,585; Aug. 7.

Blumenthal, Sidney, & Co. Inc., New York, N. Y. Cotton and wool upholstery fabrics. 175,763; Aug. 7.

Blumenthal, Sidney, & Co. Inc., New York, N. Y. Cotton and wool upholstery fabrics. 175,765; Aug. 7.

Bon Ami Company, Inc., The, New York, N. Y. Scouring soap. 170,557; Aug. 7.

Bonded Products Corporation, New York, N. Y. Soap and soap products. 177,354; Aug. 7.

Booth-Conbran Co., San Diego, Calif. Preparation for removing callil and corns from the feet. 167,796; Aug. 7.

Booth Mills, Lowell, Mass. Woven cotton towels and toweling. 177,164; Aug. 7.

Boss Nut Company, Chicago, Ill. Lock nuts, bolts, rivets, screws. 177,355; Aug. 7.

Bossong, Joseph C., doing business as J. C. Bossong & Co., New York, N. Y. Hosiery. 181,170; Aug. 7.

Bramblett, J. Thad, Pocasset, Okla. Preparations for the treatment of eczema and other skin diseases, burns, scalds, etc. 178,326; Aug. 7.

Brigham Company, The, Springfield, Mass. Hosiery. 181,656; Aug. 7.

Brownhill & Kramer, Philadelphia, Pa. Hosiery. 180,837; Aug. 7.

Burgower, L. H., doing business as The Vogue, Dallas, Tex. Women's outer coats, suits, dresses, and nats. 127,709; Aug. 7.

Burroughs, Harry E., Boston, Mass. Swing couch hammocks. 143,533; Aug. 7.

C. & W. Cap Company, Nevada, Iowa. Caps and closures for receptacles and containers. 180,688; Aug. 7.

Calajoe, Anthony J., New York, N. Y. Hair grower. 176,162; Aug. 7.

California Co-Operative Canneries, San Francisco, Calif. Canned fruits and vegetables. 175,844; Aug. 7.

California Wall Bed Company, San Francisco, Calif. Concealable beds. 180,326; Aug. 7.

Capcoss Co., Inc., The, Martinsville, Va. Medicinal preparation recommended for use in the treatment of rheumatic, neuritic, and sciatic affections, etc. 180,585; Aug. 7.

Caron Corporation. (See Daltroff, E. & Cie., assignor.)

Cater, Dr. James S., doing business as Purer-Lene Mfg. Co., Marceline, Mo. Preparation for treating diseases of the mucous membranes. 177,593; Aug. 7.

Chat-Less-Ine Company, Springfield, Mass. Nonchatter preparation for automobile bands. 175,185; Aug. 7.

Cheney Brothers, South Manchester, Conn. Woven, knitted, netted, textile, and pile fabrics in the piece comprised of silk. 181,378; Aug. 7.

PUBLISHED FOR OPPOSITION.

[Act of Feb. 20, 1905, Sec. 6, as amended Mar. 2, 1907.]

Cluett, Peabody & Company, Inc., Troy, N. Y. Collars. 176,326; Aug. 7.

Cocroft, Susanna, Laboratories Inc., New York, N. Y. Soap. 180,750; Aug. 7.

Cohn Hall Marx Co., New York, N. Y. Cotton and cotton and silk mixture piece goods. 179,853; Aug. 7.

Colonial Biscuit Company, The, Philadelphia, Pa. Cakes. 159,410; Aug. 7.

Colton Brothers Company, The, Bellefontaine, Ohio. Breakfast cereals. 175,386; Aug. 7.

Consolidated Mining and Smelting Company of Canada, Limited, The, Trail, British Columbia, Canada. Lead, zinc, copper, gold, silver, antimony, and iron. 158,417; Aug. 7.

Consolidated Textile Corporation, New York, N. Y. Cotton piece goods. 181,558; Aug. 7.

Continental Mills, Inc., Philadelphia and Germantown, Pa. Woolen fabrics in the piece. 181,731–2; Aug. 7.

Craddock-Terry Co., Lynchburg, Va. Shoes. 177,278; Aug. 7.

Crescent Washing Machine Company, Incorporated, New Rochelle, N. Y. Dishwashing machines and metal-parts-washing machines. 177,168; Aug. 7.

Crofut & Knapp Co., The, South Norwalk, Conn. Caps and hats. 176,253; Aug. 7.

Cross, Walter B., Denver, Colo. Relishes and condiments, in the form of dressings and sauces, sandwiches, hash, etc. 173,814; Aug. 7.

Cultivator Publishing Company, Los Angeles, Calif. Weekly periodicals. 180,421; Aug. 7.

Dae Health Laboratories. (See International Consolidated Chemical Corporation.)

Daltroff, E., & Cie., doing business as Parfumerie Caron, Paris, France, assignor to Caron Corporation. Perfume, toilet water, rouge, face powder, talcum powder, brilliantine, etc. 173,878; Aug. 7.

Deane Plaster Co., The, Yonkers, N. Y. Medicated and surgical plasters. 171,154; Aug. 7.

De Bevoise, Chas. R., Co., Newark, N. J. Brassières. 159,502–3; Aug. 7.

De Bevoise, Chas. R., Co., Newark, N. J. Brassières. 175,010; Aug. 7.

De Bruyn, Limited, London, England. Flour improvers, a compound consisting of glycerine, oils, and fats. 158,705; Aug. 7.

De Haen, E., A.-G., Seelze, Germany. Chemicals for general laboratory work, etc. 171,832; Aug. 7.

De Vito Salvo Hair Tonic Co., Inc., New York, N. Y. Hair tonic and preservative. 177,833; Aug. 7.

Diamond State Fibre Company, Elsmere, Del., and Bridgeport, Pa. Laminated phenolic condensation product made by impregnating materials. 180,163; Aug. 7.

Dobbs & Co., New York, N. Y. Caps, hats, gloves, neckwear, fur coats, suits, etc. 176,257; Aug. 7.

Donley Brothers Company, The, Cleveland, Ohio. Manufactured devices. 178,828; Aug. 7.

Draper-Maynard Company, The, Plymouth, N. H. Athletic shirts, jerseys, and sweaters. 170,632; Aug. 7.

Druggists' Supply Corporation, New York, N. Y. Handkerchiefs. 181,388; Aug. 7.

Dunlevy Packing Company, Pittsburgh, Pa., assignor to Dunlevy-Franklin Company. Butter, oleomargarine, eggs, lard, etc. 150,310; Aug. 7.

Dunlop Mills. (See Warner, Moore & Co.)

Dunn, Eli H., doing business as Eli Laboratory, and E. H. Dunn & Co., Kansas City, Mo. Medical product. 172,086; Aug. 7.

Durable Products Company, The, Cleveland, Ohio. Semi-liquid asbestos roof coating. 175,190; Aug. 7.

Earl Fruit Company, Sacramento, Calif. Fresh deciduous fruits. 170,010; Aug. 7.

Edwards, Nora C., doing business as Edwards Skirt Supporter Co., Buffalo, N. Y. Iron-rust, ink, and stain soap. 177,658; Aug. 7.

Electric Outlet Company, Inc., New York, N. Y. Outlet boxes. 173,129; Aug. 7.

Eli Laboratory. (See Dunn, Eli H.)

Emblem Manufacturing Company, Angola, N. Y. Cycles—namely, bicycles and motor cycles. 169,161; Aug. 7.

English, Geo., Jr., & Co., Shamokin, Pa. Hosiery and knitted underwear. 180,847; Aug. 7.

Esmond Mills, The, Esmond, Smithfield, R. I. Woven textile fabrics. 181,339; Aug. 7.

Everstyle Hosiery Co., Cedarburg, Wis. Hosiery. 180,999; Aug. 7.

Famous Raincoat Company. (See Baeffsky, Louis.)

Faure, Alexandre, New York, N. Y. Automobiles and automobile chassis. 178,170; Aug. 7.

Faurot-Scope Corp., New York, N. Y. Signal devices mounted upon the automobiles and other motor vehicles. 161,483; Aug. 7.

Ferguson, Harry, Evansville, Ind. Plows. 175,778; Aug. 7.

Finkl, A., & Sons Company, Chicago, Ill. Steel forgings. 179,038; Aug. 7.

Finkl, A., & Sons Company, Chicago, Ill. Steel forgings. 179,189; Aug. 7.

Fisher, Louis H., Cleveland, Ohio. Shoe polish. 176,333; Aug. 7.

Ford & Kendig Co., Philadelphia, Pa. Stopcocks and stop and waste cocks and metal pipe unions. 129,592; Aug. 7.

Forstadt, Jacob, doing business as Apaca Knitting Mills, Philadelphia, Pa. Knitted sweaters, mufflers, golf hose, and bathing suits. 172,831; Aug. 7.

Fort Howard Paper Company, Green Bay, Wis. Toilet paper, paper napkins, towels, and tablecloths. 180,970; Aug. 7.

Fort Howard Paper Company, Green Bay, Wis. Toilet paper, paper napkins, towels, and tablecloths. 181,442; Aug. 7.

Fountain, Levi W., Philadelphia, Pa. Preparation for removing stains and dirt. 177,479; Aug. 7.

French, Noyes E., Boston, Mass. Beverages sold as soft drinks and syrups used in preparation of same. 181,734; Aug. 7.

Fried, Mendelson & Co., New York, N. Y. Silk, cotton, and silk and cotton piece goods. 180,275; Aug. 7.

Friedman Bros. & Son Neckwear Co. Inc., New York, N. Y. Ties, cravats. 177,290; Aug. 7.

Friedman, Samuel A., Schenectady, N. Y. Ladies' hats, caps, and waists. 172,669; Aug. 7.

Fruhauf Bros. & Co., New York, N. Y. Men's and young men's outer garments. 176,460; Aug. 7.

Furgerson, Henry B., M. D., doing business as Furgerson Drug Co., Halifax, N. C. Dog and puppy tonic, antiseptic tablets, and blood pills. 180,591; Aug. 7.

Gallagher, John F., Chicago, Ill. Preparation used for the destruction and eradication of lice, insects, and other vermin. 158,169; Aug. 7.

Garfinkle, Julius, doing business as Julius Garfinkle & Co., Washington, D. C. Ladies' and misses' silk and cotton underwear of textile fabrics. 170,814; Aug. 7.

General Radio Corporation, Philadelphia, Pa. Variometers, variocouplers transformers, etc. for radio apparatus, radio receiving sets, etc. 180,279; Aug. 7.

George, H. J., Long Beach, Calif. Automobile dog carrier. 179,195; Aug. 7.

Gilbert, Glenn R., doing business as Azol Laboratories, Chicago, Ill. Tooth paste, mouth wash, pyorrhea astringent, hair tonic, etc. 167,612; Aug. 7.

Ginsberg, R., & Bro., New York, N. Y. Ladies' hair nets. 181,563; Aug. 7.

Goetz-Berlin Co., Inc., New York, N. Y. Linings, pocketings, and interlinings of cotton fabrics. 175,486; Aug. 7.

Goldman Costume Company, Inc., New York, N. Y. Ladies' dressing gowns. 155,342; Aug. 7.

Goldsmith, Walter A., Co., The, Cleveland, Ohio. Bloomers. 181,116; Aug. 7.

Goshen Churn & Ladder Company, The, Goshen, Ind. Ladders and step stools. 171,314; Aug. 7.

Gotham Comb Co., Inc., New York, N. Y. Dressing, barber, and pocket combs. 178,838; Aug. 7.

Grobel, Ewald, Philadelphia, Pa. Hosiery. 172,876; Aug. 7.

Gropper Knitting Mills, Inc., New York, N. Y. Dress goods and all knit fabrics. 169,807; Aug. 7.

Harper & Kirschten Shoe Co., The, Chicago, Ill. Shoes made wholly or in part of leather. 168,527; Aug. 7.

Hart, Montgomery L. Inc., New York, N. Y. Linen, ramie, hemp, etc., piece goods. 177,488; Aug. 7.

Hayman, Leon, doing business as Hayman's Hair Shop. Hair dies and colorings for eyebrows and eyelashes. 159,581; Aug. 7.

Hayman's Hair Shop. (See Hayman, Leon.)

Headex Remedy Co., McKeesport, Pa. Headache capsules. 180,599; Aug. 7.

Heiss, Brush & Co., Inc., New York, N. Y. Handkerchiefs. 181,748; Aug. 7.

Herman, Jacob, doing business as J. Herman Co., New York, N. Y. Men's clothing. 175,144; Aug. 7.

Hillyard, Newton S., doing business as Hillyard Chemical Company, St. Joseph, Mo. Disinfectant. 180,660; Aug. 7.

Hoevel Manufacturing Corporation, Jersey City, N. J. Sandblast apparatus and parts thereof and accessories therefor. 173,284; Aug. 7.

Hoover Company, The, North Canton, Ohio. Electric suction sweepers. 175,244; Aug. 7.

Harrocks-Ibbotson Co., Utica, N. Y. Fishing rods, reels, lines, poles, hooks, etc. 173,602; Aug. 7.

Huebner, Arthur F., Bay City, Mich. Shirts, drawers, and union suits, hosiery, etc. 174,079; Aug. 7.

Hulman & Co., Terre Haute, Ind. Spices, bay leaves, cassia, cinnamon, etc. 170,919; Aug. 7.

Import Drug Specialties Co., The, Cleveland, Ohio. Liquid cleaning compound for removing spots and cleaning all fine materials. 162,820; Aug. 7.

International Consolidated Chemical Corporation, Inc., doing business as Dae Health Laboratories, New York, N. Y. Medicinal preparation for intestinal disorders. 180,702; Aug. 7.

PUBLISHED FOR OPPOSITION.

[Act of Feb. 20, 1905, Sec. 6, as amended Mar. 2, 1907.]

J. C. Hub Manufacturing Company, The, Cleveland, Ohio. Various completely-printed jobs, specifically house organs, catalogues, price lists, etc. 168,111; Aug. 7.
J. & P. Coats (R. I.) Inc., Pawtucket, R. I. Thread and yarn. 181,729.
Jevne, H., Co., Los Angeles, Calif. Coffee. 162,744; Aug. 7.
Jewell Belting Company, Hartford and West Hartford, Conn. Leather belts for machinery. 170,650; Aug. 7.
Jönköpings och Vulcans Tändsticksfabriksaktiebolag, Jonkoping, Sweden. Matches. 179,273; Aug. 7.
Jordeau, Jean, Inc., South Orange, N. J., and New York, N. Y. Perspiration deodorant. 177,742; Aug. 7.

Katz & Ogush, Inc., New York, N. Y. Platinum, gold, silver, etc., in bars, sheets, rolls, etc. 180,012; Aug. 7.
Kelly Axe Manufacturing Company, Charleston, W. Va. Hammers. 180,666; Aug. 7.
Kemoshyne Products, Inc., Camden, N. J. Preparation for cleansing and polishing bathtubs, washstands, etc. 173,838; Aug. 7.
Kendrick, James R., Co., Inc., Philadelphia, Pa. Knitted elastic fabric in the piece. 162,678; Aug. 7.
Kil-Tone Company, The, Vineland, N. J. Insecticide and fungicide. 177,561; Aug. 7.
Klein, Samuel, New York, N. Y. Ladies' dresses, coats, and suits. 144,081; Aug. 7.
Knight, B. B. & R., Inc., Providence, R. I., and New York, N. Y. Nurses' and maids' uniforms, caps, and aprons, men's and boys' shirts, etc. 172,682; Aug. 7.
Knight, B. B. & R., Inc., Providence, R. I., and New York, N. Y. Sheets and pillowcases. 181,489; Aug. 7.
Knitted Textiles Corporation, Allentown, Pa. Fabrics knitted of worsted, worsted and fiber, silk, and all fiber silk. 181,752; Aug. 7.
Kyograph Photo System. (See Wiggin, J. F.)

Laclede Brass Works. (See Modra, William.)
Landau Cabinet Company, St. Louis, Mo. Upholstered furniture. 174,743; Aug. 7.
Larkin, Bertha M., Georgetown, Mass. Toy villages and dolls. 171,343; Aug. 7.
Leach, C. H., Company, Boston, Mass. Oil condensers, heat exchangers, and dephlegmators. 169,720; Aug. 7.
Lee Brothers Company, San Antonio, Tex. Trousers, overalls, shirts. 172,603; Aug. 7.
Leichner, L., Berlin, Germany. Face powder, toilet rouge powder, and toilet rouge sticks, etc. 166,186; Aug. 7.
Lester, George F., San Antonio, Tex. Shirts, union suits, drawers, pyjamas, etc. 175,727; Aug. 7.
Levey Printing Company, Indianapolis, Ind. Card-index and other filing cabinets, desks, stools, etc. 173,510; Aug. 7.
Lewis Manufacturing Company, Walpole, Mass. Cheesecloth, crinoline, and bunting in the piece. 150,319; Aug. 7.
Lily Brook Farms, Inc., Buffalo, N. Y. Cheese, canned, fresh, and evaporated milk and cream. 175,800; Aug. 7.
Lyon & Healy, assignor to Lyon & Healy, Inc., Chicago, Ill. Cornets. 161,325; Aug. 7.

Macy, R. H., & Co., Inc., New York, N. Y. Household furniture. 160,296; Aug. 7.
Mann, Arthur B., doing business as Tecq Products Company, Brooklyn, N. Y. Skin lotions and medicinal preparations for inflamed mucous membrane. 177,499; Aug. 7.
Mannesmannröhren-Werke, Dusseldorf, Germany. Lightning arresters and rods, tips, etc. 163,693; Aug. 7.
Margus, Julie, Berkeley, Calif. Liquid medicine for tuberculosis. 164,656; Aug. 7.
Marshall Field & Company, Chicago, Ill. Wool and wool and silk mixture yarns. 181,262; Aug. 7.
Marshall Field & Company, Chicago, Ill. Muslin in the piece. 181,263; Aug. 7.
Marshall Field & Company, Chicago, Ill. Wool and wool and silk mixture yarns. 181,266; Aug. 7.
Marshall Field & Company, Chicago, Ill. Wool and wool and silk mixture yarns. 181,268; Aug. 7.
Marshall-Wells Company, Duluth, Minn. Carpenters' gauges, plumb bobs, plumbs and levels, etc. 178,527; Aug. 7.
Martin, C. J., Austin, Tex. Wood preservative and disinfectant and insecticide. 170,942; Aug. 7.
Martin, C. J., Austin, Tex. Poultry medicine for the treatment of blackheads, etc. 170,943; Aug. 7.
Maxwell Motor Corporation, Detroit, Mich. Pistons. 174,212; Aug. 7.
Metz, H. A., & Co., Inc., New York, N. Y. Preparation for removing starch and sizing from textiles. 180,713; Aug. 7.
Midcontinent Producers' & Refiners' Corporation, Cleveland, Ohio. Canned motor oils. 175,094; Aug. 7.
Millius, E., & Co., New York, N. Y. Cotton piece goods. 180,545; Aug. 7.
Minneapolis Milling Co., Minneapolis, Minn. Wheat flour. 173,974; Aug. 7.
Model Mill Company, Jackson, Tenn. Wheat flour. 175,802; Aug. 7.
Modern Exterminating Co. (See Schoen, Seymour S.)
Modra, William, doing business as Laclede Brass Works, St. Louis, Mo. Sun visors. 167,645; Aug. 7.
Molina, Manuel G., Elmhurst, N. Y. Hosiery, underwear, garters, sweaters, coats, etc. 179,480; Aug. 7.
Moore & Co. Inc., Worcester, Mass. Antacid neutralizing powder. 176,906; Aug. 7.
Morisse Lace & Embroidery Co., St. Louis, Mo. Laces, embroideries, handkerchiefs, and cotton and silk goods. 177,986; Aug. 7.
Mulcahy, Thomas J., Boston, Mass. Hosiery and silk underwear. 181,302; Aug. 7.
Munning, A. P., & Co., Matawan, N. J. Cloth polishing wheels. 166,192; Aug. 7.
Munter, Charles, New York, N. Y. Corsets, waist corsets, brassières, and men's, women's, and children's undergarments. 177,192–3; Aug. 7.
Myrlad Manufacturing Co., New York, N. Y. Fur-kerchief for women for summer wear. 178,269; Aug. 7.

Natenberg-Strauss Importing Co., Chicago, Ill. Pocket, clasp, pen, pruning and table knives, etc. 177,316; Aug. 7.
Natural Products Refining Co., Jersey City, N. J. Bichromate of soda and bichromate of potash. 177,195; Aug. 7.
New Jersey Zinc Company, The, Newark and Franklin, N. J. Zinc oxide. 180,615; Aug. 7.
New York Bed Spring Mfg. Co., Detroit, Mich. Bed springs. 180,716; Aug. 7.
New York French Exports, Inc., New York, N. Y. Face powder and creams, perfumes, toilet waters, rouges, etc. 179,879; Aug. 7.
Nonsuch Manufacturing Co. Limited, The, Toronto, Ontario, Canada. Polishes for metal and boots and shoes. 175,207; Aug. 7.
Novocol Chemical Mfg. Co., Inc., Brooklyn, N. Y. Solution of suprarenal extract. 177,319; Aug. 7.

Obrecht, G. Fred, doing business as P. Fred'k Obrecht & Son, Baltimore, Md. Horse, poultry, hog, and dairy feed. 175,405; Aug. 7.
Oertel Roofing Manufacturing Company (now by change of name Stormcote Roofing Corporation), East St. Louis, Ill. Rag fiber, and asphalt roofing. 160,149; Aug. 7.
Ormerod, John, & Sons Ltd., Castleton, England. Leather roller skins. 181,144; Aug. 7.
Organ-Iron Medicine Company, Omaha, Nebr. Medicine used in cases of inflammation, ulceration and discharges of the urinary tract. 178,458; Aug. 7.

Pacific Children's Wear Mfg. Co. (See Schwartz, Jacob.)
Parfumerie Caron. (See Daltroff, E., & Cie.)
Peerless Confection Company, Chicago, Ill. Candies. 169,604; Aug. 7.
Pennsylvania Textile Mills, Inc., Glen Riddle, Pa., and New York, N. Y. Pile fabrics in the piece. 181,307; Aug. 7.
Perfection Garment Company, Martinsburg, W. Va. House dresses and aprons. 176,692; Aug. 7.
Perry, A. J., and Co., Dunlaw, W. Va. Medicinal preparation for the treatment of stomach and bowel troubles, coughs, etc. 177,242; Aug. 7.
Phenix Packing Co. (See Rosenberg, Samuel.)
Philipsborn's, Inc., Chicago, Ill. Young men's suits and overcoats. 175,155; Aug. 7.
Pierini, Attilio, New York, N. Y. Furs and pelts. 163,173; Aug. 7.
Pillsbury Flour Mills Company, Minneapolis, Minn. Flour made from wheat. 173,377; Aug. 7.
Porter, S. E., Co., Providence, R. I. Cords for stringing or restringing pearls or beads. 179,322; Aug. 7.
Porter, Samuel E., doing business as S. E. Porter Company, Providence, R. I. Pearl necklaces, bead necklaces, and cords for stringing and restringing pearls or beads. 174,486; Aug. 7.
Pottgieser, Joseph M., Ocean Park, Calif. Medicinal preparation for the treatment of rheumatism, neuritis, etc. 179,740; Aug. 7.
Purer-Lene Mfg. Co. (See Cater, Dr. James S.)

Quaker Lace Company, Philadelphia, Pa. Lace curtains and nets or curtain lace in piece goods. 173,441; Aug. 7.
Quaker Lace Company, Philadelphia, Pa. Lace curtains and nets or curtain lace in piece goods. 177,326; Aug. 7.
Quaker Oats Company, The, Chicago, Ill. Stock feeds. 174,817; Aug. 7.
Quaker Oats Company, The, Chicago, Ill. Wheat flour. 174,914; Aug. 7.

Ramapo Ajax Corporation, New York, N. Y. Cast chilled wheels, industrial cars, shop cars, push cars, etc. 178,358; Aug. 7.
Regal Knitting Company, New York, N. Y., assignor to Bear Brand Hosiery Co., Chicago, Ill. Knitted wear for infants and children. 172,293; Aug. 7.
Reichel, Edward A., Co., Milwaukee, Wis. Oils and greases used for lubricating purposes. 159,885; Aug. 7.
Rhea Manufacturing Co., Milwaukee, Wis. Wearing apparel—namely, aprons, dresses, and bloomers. 176,653; Aug. 7.

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Risdon Manufacturing Company, The, Naugatuck, Conn. Safety pins. 175,104; Aug. 7.
River-Lake Chemical Co., Silver Spring, Md. Fire extinguishing compound. 160,905; Aug. 7.
Robinson, A. M., Company, Atlanta, Ga. Cotton piece goods. 180,496; Aug. 7.
Robinson-Roders Co., Inc., The, Newark, N. J. Mattresses, pillows, bolsters, and cushions. 136,603; Aug. 7.
Rosenberg, Samuel, doing business as Phenix Packing Co., New York, N. Y. Caviar. 178,361; Aug. 7.
Rosenwald & Weil Inc., Chicago, Ill. Wearing apparel for men and women. 180,892; Aug. 7.
Rubber Service Laboratories Company, The, Akron, Ohio. Compound used in the curing of rubber articles. 171,470; Aug. 7.
Ruben, Henry, doing business as To-Rain-On Products Co. (Not Inc.), Chicago, Ill. Roof cement. 178,409; Aug. 7.

Schaeffer & Budenberg Mfg. Co., Brooklyn, N. Y. Thermometers. 177,110; Aug. 7.
Schmidt, A. O., doing business as A. O. Schmidt Co., San Francisco, Calif. Medicine for diseases peculiar to females. 178,573; Aug. 7.
Schneider, Herman, Mount Vernon, New Rochelle, and White Plains, N. Y., and Stamford, Conn. Hosiery, coats, gloves, suits, etc. 172,960; Aug. 7.
Schoen, Seymour S., doing business as Modern Exterminating Co., New York, N. Y. Liquid for exterminating vermin. 180,623; Aug. 7.
Schwartz, Jacob, doing business as Pacific Children's Wear Mfg. Co., Los Angeles, Calif. Rompers, wash suits, dresses, etc. 167,151; Aug. 7.
Shannon, J. A., & Son, Iowa Falls, Iowa. Dressed poultry and eggs. 164,562; Aug. 7.
Sklarek, Albert, Co. Inc., New York, N. Y. Upholstered furniture. 176,922; Aug. 7.
Smidt, Edward, Nybollegaard, Denmark. Export cream, condensed milk, and cheese. 169,458; Aug. 7.
Smith, Effie L., Corvallis, Oreg. Preparation for the treatment of cancer. 177,203; Aug. 7.
Smith & Kanzler, Elizabeth, N. J. Asbestos cement. 181,047; Aug. 7.
Smith Oil & Refining Company, Rockford, Ill. Core oil. 180,626; Aug. 7.
Snyder, Benjamin F., doing business as B. F. Snyder Co., San Francisco, Calif. Ladies', misses', and children's ready-to-wear, wash garments, etc. 170,957; Aug. 7.
Société Worth. (See Worth, Jean C.)
Solomon Mfg. Co., St. Louis, Mo. Sport and outing dresses and suits. 180,946; Aug. 7.
Southern California Dry Goods Company, Gloversville, N. Y. Men's dress, negligee, and work shirts, nightshirts and pyjamas, hosiery, etc. 178,634; Aug. 7.
Spa Knitting Co. Inc., Ballston Spa, N. Y. Sport goods. 180,816; Aug. 7.
Speidel, Fr., Pforzheim, Germany, and Providence, R. I. Chains, fobs, pendants, bracelets, brooches, etc. 177,703; Aug. 7.
Speidel, Fr., Pforzheim, Germany, and Providence, R. I. Chains, fobs, pendants, bracelets, etc. 179,285; Aug. 7.
Sportmox Company, The, Boston, Mass. Sport footwear. 177,413; Aug. 7.
Squibb, E. R., & Sons, New York, N. Y. Cold cream. 180,630; Aug. 7.
Stambaugh & Rabe, Akron, Ohio, and Auburndale, Fla. Citrous fruits in their natural state. 157,637; Aug. 7.
Starr Piano Company, The, Richmond, Ind. Player-pianos, phonographs, and records. 135,764; Aug. 7.
Stern, C., & Mayer, Inc., New York, N. Y. Scarfs, neckties, cravats, and reefers. 179,436–7; Aug. 7.
Stewart, John K., & Sons, Inc., Amsterdam, N. Y. Undershirts, underdrawers, and union suits made of knitted fabric for men. 177,633; Aug. 7.
Stormcote Roofing Corporation. (See Oertel Roofing Manufacturing Company.)
Sturges, Preston, Brooklyn, N. Y. Face powders, rouges. 176,579; Aug. 7.
Sumter Brick Works, Sumter, S. C. Brick. 179,629; Aug. 7.
Sunny Susan Laboratories, Inc., Buffalo, N. Y. Freckle-removing or bleaching cream. 164,567; Aug. 7.

T. & C. Corporation, New York, N. Y. Food products. 173,863; Aug. 7.
Taylor Produce Co., Kalamazoo and Battle Creek, Mich. Butter, eggs, and cheese. 150,413; Aug. 7.
Taylors Silk Emulsion, Inc., New York, N. Y. Silk softener. 179,973; Aug. 7.
Tecq Products Company. (See Mann, Arthur B.)
Thornycroft, John I., & Co. Limited, Westminster and London, England. Steam and internal-combustion engines. 179,385; Aug. 7.
To-Rain-On Products Co. (Not Inc.). (See Reuben, Henry.)
Tosse, E., & Co. Inc., New York, N. Y. Preparation for syphilis and diseases of the skin. 178,577–8; Aug. 7.
Tourist Handbook Pub. Co., Ames, Iowa. Motorist publication, which publication is published once a year. 179,388; Aug. 7.
Townsend, E. M., & Co., New York, N. Y. Hosiery. 172,132; Aug. 7.
Tryon Mills of Vermont, Bennington, Vt. Men's undershirts, underdrawers, and union suits. 177,636; Aug. 7.
Tullidge, George B., Philadelphia, Pa. Castor-oil compound. 177,931; Aug. 7.

Ubiko Milling Company, The, Cincinnati, Ohio. Stock and poultry foods. 165,902; Aug. 7.
Ullmann, Bernard, Co. Inc., New York, N. Y. Art-needlework package. 179,286; Aug. 7.
Union Paper & Twine Co., The, Cleveland, Ohio. Wrapping paper. 180,567; Aug. 7.
United Lace & Braid Mfg. Co., Cranston, R. I. Shoe, underwear, and blouse lacings, galloons, and braids. 179,897; Aug. 7.
United Mills Company, Inc., Louisville, Ky. Men's, women's, and children's hosiery. 181,325; Aug. 7.
United Shoe Machinery Corporation, Paterson, N. J., and Boston, Mass. Nails. 179,755; Aug. 7.
United States Gypsum Company, Chicago, Ill. Calcined gypsum stucco and wall plasters. 176,863; Aug. 7.
Usinga Disc Corporation, Brooklyn, N. Y. Metal disks for recording the human voice for reproduction upon phonographic machines. 180,251; Aug. 7.

Van Camp Packing Company, Inc., The, Indianapolis, Ind. Soap. 175,115; Aug. 7.
Venesta Limited, London, England. Plywood, veneer, sawed timber, or cork reenforced with sheet metal cemented to surfaces. 180,912; Aug. 7.
Vickery & Hill Pub. Co., The, Augusta, Me. Monthly magazine. 179,440; Aug. 7.
Viking Specialty Company, Worcester, Mass. Screw drivers, wrenches, and wrench sets. 160,570; Aug. 7.
Vogue, The. (See Burgower, L. H.)

W. & H. Walker, Inc., Pittsburgh, Pa. Soap flakes. 179,568; Aug. 7.
Walker Webbing Co., Providence, R. I. Hair nets. 155,725; Aug. 7.
Warner, Moore & Co., doing business as Dunlop Mills, Richmond, Va. Feed—unmely, bran. 175,582; Aug. 7.
Warren Clock Company, Ashland, Mass. Clocks. 144,303; Aug. 7.
Warren, Clyde W., doing business as Automatic Curtain Co., Sauk Rapids, Minn. Porch shades. 179,904; Aug. 7.
Washburn-Crosby Company, Minneapolis, Minn. Semolina. 174,048; Aug. 7.
Watts Ritter and Company, Huntington, W. Va. Men's high-grade dress shirts. 175,116; Aug. 7.
Wechsler Barber Silk Company, Inc., New York, N. Y. Silk piece goods. 181,506; Aug. 7.
Western Drop Forge Company, Marion, Ind. Drop forgings. 181,429; Aug. 7.
Western Shirt Company, The, New York, N. Y. Work shirts. 177,156; Aug. 7.
Whiting & Davis Company, Plainville, Mass. Mesh bags. 168,662; Aug. 7.
Wiggin, J. F., doing business as Kyograph Photo System, New York, N. Y. Photographs. 162,154; Aug. 7.
Wile, Frederic W., Washington, D. C. Title for a newspaper column. 179,076; Aug. 7.
Will & Baumer Candle Co., Inc., Syracuse, N. Y. Stearic acid. 179,695; Aug. 7.
Williams, August, Perth Amboy, N. J. Candy. 179,980; Aug. 7.
Williams, J. S., doing business as The Williams Stained Shingle Co., Vancouver, Wash. Stained wooden shingles. 180,916; Aug. 7.
Williams-Richardson Company, Ltd., New Orleans, La. Hosiery, underwear, and shirts. 149,881; Aug. 7.
Wilton Manufacturing Company, Inc., New York, N. Y. Cotton piece goods. 181,507; Aug. 7.
Wimelbacher & Rice, New York, N. Y. Fabric and skin gloves. 151,775; Aug. 7.
Winston, Harper, Fisher Company, Minneapolis, Minn. Canned oysters, salmon, sardines, apricots, etc. 166,120; Aug. 7.
Worth, Jean C., assignor to Société Worth, Paris, France. Perfumes. 172,630; Aug. 7.
Wyman, Partridge & Co., Minneapolis, Minn. Work and negligee shirts. 181,550; Aug. 7.

CLASSIFIED LIST OF TRADE-MARKS REGISTERED.

CLASS 1.

Citrous trees and plants. Ocklawaha Nurseries. 171,676; Aug. 7.
Corn, Seed. O. P. Tiemann. 171,679; Aug. 7.
Graphite. Superior Flake Graphite Company. 171,495; Aug. 7; Serial No. 171,968; published May 22, 1923.
Leather. Charles K. Fox, Inc. 171,502; Aug. 7; Serial No. 170,575; published May 22, 1923.
Leather, Sole. Wilder & Company. 171,678; Aug. 7.
Leathers. Wolfe Leather Co. 171,629; Aug. 7; Serial No. 176,392; published May 22, 1923.
Logs. Cadwallader Gibson Lumber Co. 171,564–5; Aug. 7; Serial Nos. 174,299–300; published May 22, 1923.
Resins, coal, coke, rubber, etc. Tetralin-Gesellschaft mit beschränkter Haftung. 171,384; Aug. 7; Serial No. 142,047; published May 1, 1923.
Seeds. J. Bolgiano Seed Co. 171,573; Aug. 7; Serial No. 172,859; published May 22, 1923.
Seeds, Field, garden, and farm. Aggeler & Musser Seed Co. 171,454; Aug. 7; Serial No. 168,743; published May 1, 1923.
Seeds, Garden and flower. L. D. Waller Seed Co. 171,464; Aug. 7; Serial No. 167,542; published May 1, 1923.
Wool. New Zealand Refrigerating Company, Limited. 171,438; Aug. 7; Serial No. 161,378; published May 1, 1923.
Wool. New Zealand Refrigerating Company, Limited. 171,439; Aug. 7; Serial No. 161,373; published May 1, 1923.

CLASS 2.

Automobile auxiliary gasoline tank. Sur-Duz Products Company. 171,462; Aug. 7; Serial No. 167,957; published May 8, 1923.
Bags and baskets, Cloth. W. T. Lane & Brothers. 171,646; Aug. 7.
Cans and cans for packing and shipping ice cream, Milk-shipping. Des Lauriers Metal Products Co. Inc. 171,549; Aug. 7; Serial No. 178,233; published May 15, 1923.
Coffee and the like, Empty containers for. Jas. H. Forbes Tea & Coffee Co. 171,356; Aug. 7; Serial No. 170,975; published May 15, 1923.
Iceless and fireless receptacles for retaining heat and cold. P. H. Brainard. 171,526; Aug. 7; Serial No. 176,061; published May 8, 1923.
Paper bags and chests. White Tar Company. 171,585; Aug. 7; Serial No. 175,447; published May 22, 1923.
Tanks. Leader Iron Works. 171,575; Aug. 7; Serial No. 172,749; published May 22, 1923.

CLASS 3.

Bags, Ladies' vanity. O. J. Milnor. 171,387; Aug. 7; Serial No. 138,292; published May 15, 1923.
Key cases. F. G. Bowen. 171,449; Aug. 7; Serial No. 157,651; published May 8, 1923.
Pocketbooks, bill folds, cardcases, etc. U. S. Leather Goods Company. 171,520; Aug. 7; Serial No. 173,455; published May 8, 1923.
Trunks. L. Goldsmith & Son, Inc. 171,645; Aug. 7.

CLASS 4.

Abrasives. A. P. Munning & Co. 171,294; Aug. 7; Serial No. 166,312; published Apr. 24, 1923.
Liquid shoe dressing. C. L. Hauthaway & Sons. 23,560; renewed Aug. 29, 1923.
Oilstones, scythestones, whetstones, axstones, oil and water stones, etc. Pike Manufacturing Company. 171,350; Aug. 7; Serial No. 173,362; published Apr. 24, 1923.
Razor strops. G. N. W. Wilson. 171,304; Aug. 7; Serial No. 164,684; published Apr. 24, 1923.
Scouring utensils. Chore Utensils Corporation of America. 171,348; Aug. 7; Serial No. 173,321; published Apr. 24, 1923.
Soap and paste. Quick Klean Kemical Company. 171,644; Aug. 7.
Soap paste. Flash Chemical Company. 171,643; Aug. 7.
Washing compounds and liquids. E. N. Blackmore. 171,339; Aug. 7; Serial No. 172,825; published Apr. 24, 1923.

CLASS 5.

Shellac, glue, and paste. Gasket. B. Levitt. 171,347; Aug. 7; Serial No. 173,290; published May 1, 1923.

CLASS 6.

Antiseptic powder. D. A. Binkert. 171,289; Aug. 7; Serial No. 178,546; published May 22, 1923.
Emollient for the skin. Shirey & Brown. 23,800; renewed Nov. 7, 1923.

Medicinal preparation for internal and external use, Oily. W. E. Pearson. 23,662–3; renewed Sept. 26, 1923.
Pharmaceutical preparations for use in cases of tuberculosis. N. L. Waelchli. 171,340; Aug. 7; Serial No. 172,852; published Apr. 24, 1923.
Remedies for certain named diseases, External and internal. C. I. Hood. 23,231; renewed July 11, 1923.
Remedy for indigestion. H. O. Hyatt. 23,398; renewed July 25, 1923.
Sarsaparilla, Compound of. C. I. Hood. 23,353; renewed July 11, 1923.
Sirup remedy for diseases of the throat, lungs, and mucous membrane. H. G. Harter. 23,149; renewed May 30, 1923.
Wood preservative. Sherwin - Williams Company. 171,700; Aug. 7.

CLASS 7.

Rope. E. T. Rugg & Co. 171,447; Aug. 7; Serial No. 158,835; published May 15, 1923.
Rope, sash cord, seine twines, etc., Cotton. Wm. E. Hooper & Sons Co. 171,461; Aug. 7; Serial No. 168,151; published May 8, 1923.

CLASS 8.

Paper for use in making cigarettes. Robert Fletcher & Son Limited. 171,519; Aug. 7; Serial No. 173,415; published May 8, 1923.
Paper treated, etc., for making cigarettes. Robert Fletcher & Son, Limited. 171,517; Aug. 7; Serial No. 173,412; published May 1, 1923.
Paper treated, etc., for making cigarettes. Robert Fletcher & Son. 171,518; Aug. 7; Serial No. 173,414; published May 8, 1923.
Pipes, Tobacco. Delacour Brothers, Ltd. 171,546–7; Aug. 7; Serial Nos. 178,377–8; published May 15, 1923.
Pipes, Tobacco. Delacour Bros. Ltd. 171,559; Aug. 7; Serial No. 177,429; published May 15, 1923.

CLASS 9.

Explosives. General Explosives Company. 171,486; Aug. 7; Serial No. 148,383; published May 15, 1923.
Matches. Diamond Match Company. 171,686; Aug. 7.
Matches. Mitsui Bussan Kaisha, Ltd. 171,374–5; Aug. 7; Serial No. 156,100–1; published May 8, 1923.
Matches. Mitsui Bussan Kaisha, Ltd. 171,376; Aug. 7; Serial No. 156,095; published May 15, 1923.

CLASS 10.

Fertilizers and lime for fertilizers. Lancaster Bone Fertilizer Co. Inc. 171,548; Aug. 7; Serial No. 178,260; published May 15, 1923.

CLASS 11.

Inks, Printing. Jaenecke-Ault Company. 171,318; Aug. 7; Serial No. 168,135; published Apr. 24, 1923.

CLASS 12.

Brick, fire-brick cement, fire clay, and tile, Fire. A. P. Green Fire Brick Co. 171,609–12; Aug. 7; Serial Nos. 173,486–9; published May 1, 1923.
Building materials. St. Anonyme du Fibrociment et des Revetements Elo. 171,444; Aug. 7; Serial No. 159,539; published May 1, 1923.
Building materials. Ste. Anme. du Fibrociment et des Revetements Elo. 171,512; Aug. 7; Serial No. 159,540; published May 22, 1923.
Cement, Plastic or semiplastic. James B. Sipe & Co. 171,582; Aug. 7; Serial No. 175,218; published May 22, 1923.
Concrete construction, Floor clips for fastening wooden floors or the like to a. Bull Dog Floor Clip Company. 171,442; Aug. 7; Serial No. 160,480; published Apr. 24, 1923.
Dampproofing, Foundation. Sherwin-Williams Company. 171,677; Aug. 7.
Flooring, Hardwood. L. D. Leach & Company. 171,566; Aug. 7; Serial No. 174,017; published Mar. 27, 1923.
Lime. Brewer & Company. 171,535; Aug. 7; Serial No. 175,129; published May 8, 1923.
Lining, bricks, cements, and furnace bottom grains, etc., Refractory. Vitrefrax Company. 171,363; Aug. 7; Serial No. 170,417; published May 8, 1923.
Lining, mastic fire walls, cements, etc., Refractory. Vitrefrax Company, Inc. 171,364–5; Aug. 7; Serial Nos. 170,414–15; published May 8, 1923.
Lumber. Geo. M. Spiegle & Co. 171,424; Aug. 7; Serial No. 172,018; published May 1, 1923.
Lumber, Manufactured. Smith & Wyman Co. 171,674; Aug. 7.
Paper, Sheathing, waterproof building, roofing, etc. Highland Lake Paper Company. 171,471; Aug. 7; Serial No. 178,610; published May 22, 1923.

Plaster for use in forming a vulcanizing pad. Murdock Vulcanizing Co. 171,354; Aug. 7; Serial No. 171,181; published May 1, 1923.
Roof-edging device. F. W. Hennessy. 171,538; Aug. 7; Serial No. 174,834; published May 1, 1923.
Roofing compounds and composition roofing material. Interstate Paint & Supplies Co. 171,574; Aug. 7; Serial No. 172,838; published May 22, 1923.
Shingles, Cedar. Woodlawn Mill & Boom Co. 171,378; Aug. 7; Serial No. 148,857; published Oct. 12, 1922.
Steel, Structural. Bethlehem Steel Company. 171,606; Aug. 7; Serial No. 173,738; published May 1, 1923.
Tiles and bricks for furnaces, Refractory. Laclede-Christy Clay Products Company. 171,671; Aug. 7.

CLASS 13.

Pipes and fittings, Cast-iron gas and water. Warren Foundry and Machine Company. 171,301; Aug. 7; Serial No. 164,846; published Apr. 24, 1923.

CLASS 14.

Alloys, Metal. Bario Metal Corporation. 171,664; Aug. 7.
Metals in the form of ingots, billets, slabs, sheets, etc., Nonferrous. Bridgeport Brass Company. 171,691; Aug. 7.

CLASS 15.

Lubricants. Keystone Lubricating Company. 171,284; Aug. 7; Serial No. 178,512; published May 15, 1923.
Lubricants, Keystone Lubricating Company. 171,285–7; Aug. 7; Serial Nos. 178,514–6; published May 15, 1923.
Lubricants, Keystone Lubricating Company. 171,288; Aug. 7; Serial No. 178,519; published May 15, 1923.
Lubricants, Keystone Lubricating Company. 171,290; Aug. 7; Serial No. 178,741; published May 15, 1923.
Lubricants, Keystone Lubricating Company. 171,541–2; Aug. 7; Serial Nos. 178,520–1; published May 15, 1923.
Lubricants, Keystone Lubricating Company. 171,543–4; Aug. 7; Serial Nos. 178,517–8; published May 15, 1923.
Lubricants, Keystone Lubricating Company. 171,545; Aug. 7; Serial No. 178,508; published May 15, 1923.
Oils and greases, Lubricating. G. W. Fenimore. 171,508; Aug. 7; Serial No. 165,976; published May 22, 1923.
Oils, Motor. Velvet Oil Company. 171,371; Aug. 7; Serial No. 178,684; published May 22, 1923.
Petroleum and products of petroleum. Standard Oil Company of New York. 171,553; Aug. 7; Serial No. 178,147; published May 8, 1923.
Petroleum and products of petroleum. Standard Oil Company of New York. 171,556; Aug. 7; Serial No. 177,881; published May 8, 1923.
Petroleum and products of petroleum. Standard Oil Company of New York. 171,557; Aug. 7; Serial No. 177,879; published May 8, 1923.

CLASS 16.

Bronze powder and bronzing liquid. United States Bronze Powder Works, Inc. 171,408; Aug. 7; Serial No. 176,313; published May 8, 1923.
Lacquer, Pyroxylin. Flood & Conklin Company. 171,551; Aug. 7; Serial No. 178,173; published May 8, 1923.
Oil, Cleaning and polishing. H. M. Ruggles. 171,431; Aug. 7; Serial No. 165,159; published May 8, 1923.
Oil, Pine. Hercules Powder Company. 171,395; Aug. 7; Serial No. 176,835; published May 8, 1923.
Oil, Pine. Hercules Powder Company. 171,396; Aug. 7; Serial No. 176,833; published May 8, 1923.
Oil, Pine. Hercules Powder Company. 171,397–9; Aug. 7; Serial Nos. 176,830–2; published May 8, 1923.
Paint composition, Dry. A. L. Rice, Inc. 171,430; Aug. 7; Serial No. 165,507; published May 15, 1923.
Paint, Liquid. Toch Brothers, Incorporated. 171,391; Aug. 7; Serial No. 177,251; published May 8, 1923.
Paints. E. M. and F. Waldo. 171,456; Aug. 7; Serial No. 168,503; published May 8, 1923.
Paints, paint enamels, stains, varnishes. Monroe Lederer & Tanssig. 171,604; Aug. 7; Serial No. 174,256; published May 8, 1923.
Paints, varnish, paint enamel, etc. Regulation Paint Co. 171,527; Aug. 7; Serial No. 176,044; published May 8, 1923.
Polish for automobiles, furniture, etc. Sun-Bil Auto Polish Co. 171,554; Aug. 7; Serial No. 177,926; published May 8, 1923.

CLASS 17.

Cigars. Bay State Cigar Co. 171,624; Aug. 7; Serial No. 177,162; published May 22, 1923.
Cigars. R. G. Sullivan Estate. 171,670; Aug. 7.
Tobacco, cigars, cigarettes, and cheroots. D. Ritchie & Co. 23,348; renewed July 11, 1923.

CLASS 19.

Automobile and truck bodies, cabs, motor busses, etc. Continental Car Company of America. 171,353; Aug. 7; Serial No. 171,203; published May 1, 1923.
Automobile bumpers. New York Wire & Spring Company. 171,607; Aug. 7; Serial No. 173,717; published May 1, 1923.
Automobile taxicabs. Yellow Cab Manufacturing Co. 171,494; Aug. 7; Serial No. 171,976; published May 22, 1923.
Automobile tops. Sterling Top & Equipment Company. 171,587; Aug. 7; Serial No. 175,573; published May 22, 1923.
Automobiles. Stephens Motor Car Company. 171,530; Aug. 7; Serial No. 175,572; published May 1, 1923.
Automobiles. Stephens Motor Car Company. 171,531; Aug. 7; Serial No. 175,571; published May 8, 1923.
Automobiles and constructive parts thereof. Locomobile Company of America, Incorporated. 171,425; Aug. 7; Serial No. 172,002; published May 8, 1923.
Automobiles and constructive parts thereof. Star Motors Incorporated. 171,352; Aug. 7; Serial No. 171,340; published May 8, 1923.
Bicycles. Bacharach-Rasin Co. 171,491; Aug. 7; Serial No. 115,398; published May 22, 1923.
Busses, Motor. International Motor Company. 171,484; Aug. 7; Serial No. 152,425; published May 22, 1923.
Motor cycles and perambulators, pillory-seat supports, and saddles for motor cycles. F. H. Headley. 171,388; Aug. 7; Serial No. 129,890; published May 8, 1923.
Pedal covers. Durkee-Atwood Co. 171,601; Aug. 7; Serial No. 174,612; published May 1, 1923.
Trucks, Motor. Menominee Motor Truck Co. 171,496; Aug. 7; Serial No. 171,647; published May 22, 1923.
Vehicle tops and fittings therefor, Bow sockets for. Ashtabula Bow Socket Company. 171,381; Aug. 7; Serial No. 146,286; published July 11, 1922.
Vehicles, Cushioned connections for use in. International Motor Company. 171,507; Aug. 7; Serial No. 168,416; published May 22, 1923.
Vehicles, Electrically-propelled road. Rauch & Lang, Inc. 171,488; Aug. 7; Serial No. 136,726; published May 22, 1923.
Vehicles, Metal parts for cushioned connections in. International Motor Co. 171,504; Aug. 7; Serial No. 169,213; published May 22, 1923.

CLASS 20.

Linoleum. O. W. Richardson & Co. 171,631; Aug. 7; Serial No. 175,945; published May 15, 1923.

CLASS 21.

Insulated wire and insulated wire cables. Phillips Insulated Wire Company. 23,857; renewed Nov. 21, 1923.
Radio and wireless telephone equipment. Audiola Radio Company. 171,308; Aug. 7; Serial No. 163,304; published Aug. 29, 1922.

CLASS 22.

Billiard tables. Brunswick-Balke-Collender Company. 23,238; renewed June 20, 1923.
Dolls. George Borgfeldt & Co. 171,584; Aug. 7; Serial No. 175,339; published May 22, 1923.
Game of chance, Apparatus for playing a. J. Greig. 171,528; Aug. 7; Serial No. 176,022; published May 8, 1923.
Games, Card. Parker Brothers. 171,534; Aug. 7; Serial No. 175,210; published May 8, 1923.
Puzzles. T. C. Washington. 171,322; Aug. 7; Serial No. 168,342; published May 1, 1923.

CLASS 23.

Addressing machinery and equipment and supplies therefor. Elliott Company. 171,576; Aug. 7; Serial No. 172,642; published May 1, 1923.
Agricultural tools and connecting them to tractors or other sources of draft power, Devices for carrying. Moline Plow Company. 171,596; Aug. 7; Serial No. 176,202; published May 1, 1923.
Bearings and parts thereof, Roller. Timken Roller Bearing Company. 171,583; Aug. 7; Serial No. 175,278; published May 1, 1923.
Bearings and roller-bearing journal boxes, Roller. Stafford Roller-Bearing Car Truck Corporation. 171,654; Aug. 7.
Drapers for machinery for harvesting and treating grains, cereals, etc. Machinery Supply & Draper Company. 171,693; Aug. 7.
Engines, Internal combustion. J. S. Stearns. 171,685; Aug. 7.
Fibrous material and parts thereof, Machines for treating. Garner Gin Company. 171,667; Aug. 7.
File. Continental File Corporation. 171,672; Aug. 7.
Files and rasps. Heller Brothers Company. 171,666; Aug. 7.
Merchandise-vending machines. W. R. Honeyman. 171,660; Aug. 7.
Pliers. H. D. Neff. 171,668; Aug. 7.
Shears and scissors. Acme Shear Company. 171,683; Aug. 7.
Sheet metal, Machines for cutting. Andrew C. Campbell, Incorporated. 171,567; Aug. 7; Serial No. 173,912; published May 1, 1923.
Shovels and spades. John Dunn & Co. 171,652; Aug. 7.
Tappets and poppet valves for explosion engines. Wilcox Motor Parts & Manufacturing Company. 171,569; Aug. 7; Serial No. 173,546; published May 1, 1923.
Vending machines, Coin-controlled. O. D. Jennings and Company. 171,506; Aug. 7; Serial No. 168,719; published Apr. 3, 1923.

Wheels, Traction. Buckeye Traction Ditcher Co. 171,590; Aug. 7; Serial No. 175,843; published May 1, 1923.
Woodworking machine. American Woodworking Machinery Company. 171,661; Aug. 7.

CLASS 25.

Banks, Portable. Chicago Thrift Company. 171,684; Aug. 7.

CLASS 26.

Fare recorders and registers, fare boxes and taximeters, etc. Ohmer Fare Register Company. 171,651; Aug. 7.
Standards of resistance, inductance, and capacitance for measuring purposes, decade bridges, etc. General Radio Company. 171,690; Aug. 7.

CLASS 27.

Watches, Cases for. Illinois Watch Case Company. 23,893; renewed Dec. 5, 1923.

CLASS 28.

Gems and stones, Reproductions of precious and semi-precious. Jos. H. Meyer Bros., Inc. 171,299–300; Aug. 7; Serial No. 164,931–2; published Apr. 24, 1923.
Jewelry and precious-metal ware. J. F. Sturdy's Sons Co. 171,638; Aug. 7.
Silver-plated flatware, tableware, and cutlery. Oneida Community, Limited. 171,326–7; Aug. 7; Serial Nos. 168,617–18; published Apr. 24, 1923.
Silver-plated flatware, tableware, and cutlery. Oneida Community, Limited. 171,329; Aug. 7; Serial No. 168,724; published Apr. 24, 1923.

CLASS 29.

Brushes, Nail, tooth, hair, cloth, and flesh. Geo. R. Gibson Co. 171,510; Aug. 7; Serial No. 163,979; published May 22, 1923.
Mops. Henson-Blair Manufacturing Company. 171,474; Aug. 7; Serial No. 178,341; published May 22, 1923.
Paintbrushes. W. T. Grant Company. 171,349; Aug. 7; Serial No. 173,326; published May 1, 1923.
Shoe daubers. Parks & Parks, Inc. 171,622; Aug. 7; Serial No. 177,322; published May 22, 1923.
Talking-machine records, Cleaning pads for. Jordan Marsh Company. 171,180; Aug. 7; Serial No. 177,977; published May 22, 1923.
Toothbrushes. Carl Grüneberg, Bürsten-Fabric Bratislava. 171,470; Aug. 7; Serial No. 178,664; published May 22, 1923.

CLASS 30.

China. Porzellanfabrik Ph. Rosenthal & Co., A. G. 171,500; Aug. 7; Serial No. 171,103; published May 22, 1923.
China. Porzellanfabrik Ph. Rosenthal & Co., A. G. 171,501; Aug. 7; Serial No. 171,102; published May 15, 1923.
Chinaware. Czechoslovak Art Shop Inc. 171,493; Aug. 7; Serial No. 172,032; published May 15, 1923.

CLASS 31.

Ice-making and refrigerating machinery and the several parts thereof. Triumph Electric Co. 171,314; Aug. 7; Serial No. 167,210; published May 1, 1923.
Refrigerators and refrigerator show cases. R. E. Ottenheimer. 171,345; Aug. 7; Serial No. 173,204; published Apr. 24, 1923.

CLASS 32.

Merchandise Containers in stores, Interchangeable sections for use in. H. Ehrlich & Sons Mfg. Co. 171,648; Aug. 7.

CLASS 33.

Headlight cover glasses, Automobile. United States Lens Company. 171,410; Aug. 7; Serial No. 173,059; published May 8, 1923.

CLASS 34.

Boilers and parts thereof, High-pressure. Aktiebolaget Atmos. 171,492; Aug. 7; Serial No. 172,140; published May 22, 1923.
Burner drums. Cleveland Metal Products Company. 171,440; Aug. 7; Serial No. 161,302; published Apr. 24, 1923.
Candlesticks, incense burners, and lamps. Pup Toys Company. 171,581; Aug. 7; Serial No. 175,158; published May 22, 1923.
Gas mantles, burners, and lamps therefor, etc., Upright and inverted. Auerlicht Gesellschaft m. b. H. Kommanditgesellschaft. 171,621; Aug. 7; Serial No. 177,537; published May 22, 1923.
Heat-treating containers. Chrobaltic Tool Company 171,561; Aug. 7; Serial No. 174,553; published May 22, 1923.
Heaters, Hot air and water. Richardson & Boynton Company. 23,323; renewed July 4, 1923.
Heaters, Water. General Water Heater Corporation. 171,595; Aug. 7; Serial No. 176,173; published May 22, 1923.
Lamps, lanterns, etc. Perkins Marine Lamp Corporation. 171,487; Aug. 7; Serial No. 139,369; published May 22, 1923.
Lanterns and the burners and metal parts thereof, Oil-burning. R. E. Dietz Company. 171,626; Aug. 7; Serial No. 176,455; published May 22, 1923.
Oil burners, Fuel-. W. M. Hoffman. 171,680; Aug. 7.
Paper domes and shades for lighting fixtures. Western Gas Fixture Co. 171,681; Aug. 7.
Ranges and heaters, Gas. Sunray Stove Company. 171,478; Aug. 7; Serial No. 178,071; published May 22, 1923.
Water heaters, Gas. Bastian-Morley Co. 171,605; Aug. 7; Serial No. 173,950; published May 8, 1923.

CLASS 35.

Automobile brake and transmission lining. Durwyllan Co. 171,673; Aug. 7.
Belting, Leather. Chicago Belting Company. 171,537; Aug. 7; Serial No. 174,889; published May 8, 1923.
Belting, Round and flat leather. Charles Bond Company. 171,599; Aug. 7; Serial No. 165,661; published May 22, 1923.
Engines, Gaskets for internal-combustion. J. E. Gleason. 171,358; Aug. 7; Serial No. 170,880; published May 1, 1923.
Jar rings, Fruit-. Anchor Cap & Closure Corporation. 171,563; Aug. 7; Serial No. 174,353; published May 22, 1923.
Packing, Piston-rod. Johns-Manville Incorporated. 171,283; Aug. 7; Serial No. 170,294; published Apr. 17, 1923.
Piston rings, belting, hose, machinery packing, and non-metallic tires. Velvet Piston Ring Co. 171,428; Aug. 7; Serial No. 171,824; published May 8, 1923.
Piston rings, Engine. Indiana Piston Ring Company. 171,675; Aug. 7.
Rubber jar rings. Cupples Company Manufacturers. 171,414; Aug. 7; Serial No. 172,584; published May 8, 1923.
Rubber tire treads. G. Valiquette. 171,450; Aug. 7; Serial No. 169,339; published May 1, 1923.
Tire casing, Outer tires or coverings for pneumatic-. A. J. Stephens Rubber Co. 171,516; Aug. 7; Serial No. 173,306; published Apr. 17, 1923.
Tires. Hungarian Rubber Goods Factory Limited. 171,419; Aug. 7; Serial No. 172,332; published May 1, 1923.
Tires and tubes, Rubber. National Tire & Rubber Company. 171,383; Aug. 7; Serial No. 142,802; published May 1, 1923.
Tires, Inner armor or reliner for automobile. American Automobile Accessories Company. 171,490; Aug. 7; Serial No. 120,271; published May 22, 1923.
Tires, Pneumatic vehicle. Empire Tire & Rubber Corporation. 171,468; Aug. 7; Serial No. 166,223; published Apr. 17, 1923.
Tires, Rubber. Doscat Tire & Rubber Corporation. 171,420; Aug. 7; Serial No. 172,260; published Apr. 3, 1923.
Tires, Rubber. Fisk Rubber Company. 171,418; Aug. 7; Serial No. 172,416; published May 1, 1923.

CLASS 37.

Paper bread wrappers. Package Paper & Supply Corporation. 171,555; Aug. 7; Serial No. 177,923; published May 8, 1923.
Paper, envelopes, Printing and writing. Johnson-Breyding-Johnson. 171,390; Aug. 7; Serial No. 177,302; published May 8, 1923.
Paper, Printing and writing. Hampshire Paper Company. 171,321; Aug. 7; Serial No. 168,305; published May 8, 1923.

CLASS 38.

Paper, Daily. World Publishing Company. 171,640; Aug. 7.

CLASS 39.

Bathing caps. R. F. Graigen. 171,302; Aug. 7; Serial No. 164,757; published May 1, 1923.
Bathing suits. Avalon Knitwear Company. 171,324; Aug. 7; Serial No. 168,570; published May 8, 1923.
Bloomers. W. A. Goldsmith. 171,485; Aug. 7; Serial No. 151,987; published May 1, 1923.
Coats and capes, Children's and ladies'. Yale Cloak Co. Inc. 171,292; Aug. 7; Serial No. 166,426; published May 8, 1923.
Coats, suits, dresses, outer skirts, and waists. Printz Biederman Co. 171,669; Aug. 7.
Corsets. J. L. Alberts. 171,469; Aug. 7; Serial No. 165,517; published May 8, 1923.
Footwear. I. Cohen. 171,701; Aug. 7.
Garment composed of combination brassière and chemise. Vanity Fair Silk Mills. 171,293; Aug. 7; Serial No. 166,420; published May 1, 1923.
Hats for men, women, and children, Harvest. Mexican-American Hat Company. 171,655; Aug. 7.
Hats, Ladies' trimmed and tailored. London & Greenstein, Inc. 171,628; Aug. 7; Serial No. 176,411; published May 1, 1923.
Hats, Men's. H. Friedman Co. 171,694; Aug. 7.
Hats, Men's. Wallkill Hat Works Inc. 171,695; Aug. 7.

Heels, Combination and rubber. Parker Rubber Mfg. Co. 171,702; Aug. 7.
Hosiery. Burson Knitting Company. 171,297; Aug. 7; Serial No. 165,521; published May 1, 1923.
Hosiery. Powell Knitting Company. 171,460; Aug. 7; Serial No. 168,237; published May 8, 1923.
Hosiery. Powell Knitting Company. 171,467; Aug. 7; Serial No. 166,248; published May 8, 1923.
Hosiery. Read Hosiery Mills. 171,330; Aug. 7; Serial No. 168,788; published May 8, 1923.
Hosiery and underwear. Davenport Brothers. 171,296; Aug. 7; Serial No. 166,295; published May 8, 1923.
Hosiery and underwear. S. Quint. 171,305; Aug. 7; Serial No. 164,667; published May 1, 1923.
Hosiery and underwear. Willcox & Gibbs Sewing Machine Company. 23,194; renewed June 13, 1923.
Lingerie, gymnasium bloomers, and underwear. Jean Garment Company. 171,298; Aug. 7; Serial No. 165,382; published May 1, 1923.
Neckties. Southern Textile Machinery Co., Manufacturers. 171,662; Aug. 7.
Rubber aprons. Oberndorfer Company. 171,307; Aug. 7; Serial No. 164,185; published May 1, 1923.
Rubber coverings for hats. I. Petruzzelli. 171,657; Aug. 7.
Rubber heels, boots, overshoes, sandals, etc. Firestone-Apsley Rubber Company. 171,697; Aug. 7.
Shirts and pyjamas, Night. E. Rosenfeld & Company. 171,663; Aug. 7.
Shoes. G. R. Davis. 171,650; Aug. 7.
Shoes. J. P. Hartray Shoe Co. 171,571; Aug. 7; Serial No. 173,491; published May 1, 1923.
Shoes. Portage Shoe Mfg. Company. 171,570; Aug. 7; Serial No. 173,530; published May 1, 1923.
Shoes and boots, Leather. Stetson Shop. 171,699; Aug. 7.
Shoes and moccasins. G. H. Bass & Company. 171,704; Aug. 7.
Shoes, Leather. Buckingham & Hecht. 171,659; Aug. 7.
Shoes, Women's and children's. Anderson-Owens Shoe Company. 171,698; Aug. 7.
Suits and topcoats, Men's and young men's. Stern Clothing Co. 171,316; Apg. 7; Serial No. 167,851; published May 1, 1923.
Underwear, Nainsook athletic. M. P. Tully. 171,291; Aug. 7; Serial No. 166,542; published May 8, 1923.
Waists and hosiery. House of Byer. 171,325; Aug. 7; Serial No. 168,614; published May 1, 1923.

CLASS 40.

Buttons, Pearl. McCarthy Bros. 171,641; Aug. 7.
Hair curlers. Pagoda Import Company. 171,647; Aug. 7.
Hair goods. A. Breslauer. 171,634; Aug. 7.
Laces and elastic webbing, Shoe and corset. L. & R. Company. 171,635; Aug. 7.
Lacings, Shoe. Standard Products Company. 171,637; Aug. 7.
Needles. Excelsior Needle Company. 23,649; renewed Sept. 26, 1923.

CASE 42.

Blankets and cotton blanket piece goods, Cotton. Esmond Mills. 171,608; Aug. 7; Serial No. 173,703; published May 15, 1923.
Carpets, Wilton and plush. M. J. Whittall Associates. 171,465; Aug. 7; Serial No. 167,064; published May 15, 1923.
Cloths and stuffs of wool, worsted, or hair. Lewis & Harris Handwoven Tweed Company, Limited. 171,499; Aug. 7; Serial No. 171,131; published May 22, 1923.
Cotton crêpe fabrics in the piece. Waumbek Manufacturing Company. 171,475; Aug. 7; Serial No. 178,317; published May 15, 1923.
Cotton duck and cotton tire fabrics in the piece. International Cotton Mills. 171,688; Aug. 7.
Cotton fabrics in the piece. G. A. Stafford. 171,525; Aug. 7; Serial No. 176,103; published May 8, 1923.
Cotton piece goods. American Bleached Goods Company, Inc. 171,404; Aug. 7; Serial No. 176,522; published May 1, 1923.
Cotton piece goods. Brune, Pottberg & Co. 171,403; Aug. 7; Serial No. 176,535; published May 8, 1923.
Cotton piece goods. Claflins Incorporated. 171,400; Aug. 7; Serial No. 176,668; published May 1, 1923.
Cotton piece goods. Doptoglou Bros. of New York. 171,393; Aug. 7; Serial No. 177,037; published May 1, 1923.
Cotton piece goods. Hunter Mfg. & Commission Co. 171,617; Aug. 7; Serial No. 177,782; published May 15, 1923.
Cotton piece goods. Louis Siegbert & Bro. 171,415; Aug. 7; Serial No. 172,493; published May 15, 1923.
Cotton piece goods. Voss & Stern. 171,481; Aug. 7; Serial No. 177,939; published May 15, 1923.
Cotton piece goods. Wilton Manufacturing Company. 171,619; Aug. 7; Serial No. 177,718; published May 15, 1923.
Cotton piece goods and handkerchiefs. Huessy & Co. 171,433; Aug. 7; Serial No. 163,982; published May 8, 1923.
Cotton piece goods and silk and cotton fabrics. Moraff, Twining & Co. 171,614; Aug. 7; Serial No. 177,862; published May 15, 1923.
Cotton, wool, silk, and mixtures in the piece, Textile fabrics of. Brownstein-Louis Co. 171,594; Aug. 7; Serial No. 176,160; published May 15, 1923.
Cretonnes in the piece, valances, and curtains. Montague & Co. 171,394; Aug. 7; Serial No. 177,015; published May 1, 1923.
Fabrics, Silk and silk-mixed. Cockcroft Silk Co. Inc. 171,620; Aug. 7; Serial No. 177,594; published May 1, 1923.
Gauze, Unmedicated. Griswoldville M'f'g Co. 171,533; Aug. 7; Serial No. 175,310; published May 8, 1923.
Gingham cloth in the piece. Planters and Merchants Mills. 171,445; Aug. 7; Serial No. 159,429; published Aug. 29, 1922.
Hair nets. J. Garfinkle. 171,560; Aug. 7; Serial No. 177,373; published May 1, 1923.
Hair nets. Globe Import Company. 171,618; Aug. 7; Serial No. 177,734; published May 15, 1923.
Hair nets. Gracenet Co. 171,407; Aug. 7; Serial No. 176,404; published May 8, 1923.
Hair nets. Paristyle Novelty Co. 171,636; Aug. 7.
Handkerchiefs and hair nets. Western Bottle Manufacturing Company. 171,522; Aug. 7; Serial No. 176,136; published May 8, 1923.
Knitted silk fabrics. Banner Silk Knitting Mills, Inc. 171,532; Aug. 7; Serial No. 175,377; published May 1, 1923.
Linen in the piece, linen table covers and napkins, Pure. T. Buettner & Co. 171,482; Aug. 7; Serial No. 177,895; published May 15, 1923.
Madras in the piece. Carter Dry Goods Co. 171,505; Aug. 7; Serial No. 169,004; published May 15, 1923.
Nets, draperies, and curtains made of cotton. Patchogue-Plymouth Mills Corporation. 171,367; Aug. 7; Serial No. 169,924; published May 8, 1923.
Percales in the piece. Carter Dry Goods Co. 171,452; Aug. 7; Serial No. 169,002; published May 15, 1923.
Pile fabrics in the piece. Sidney Blumenthal & Co. Inc. 171,589; Aug. 7; Serial No. 175,764; published May 15, 1923.
Rugs and carpets. O. W. Richardson & Co. 171,632; Aug. 7; Serial No. 175,944; published May 15, 1923.
Sheetings and drills, Unbleached. R. A. Suffern. 171,312; Aug. 7; Serial No. 166,856; published Mar. 27, 1923.
Sheetings and shirtings. Pacific Mills. 171,448; Aug. 7; Serial No. 158,725; published May 8, 1923.
Silk and wool crêpe in the piece. M. C. Hoffman & Co. 171,402; Aug. 7; Serial No. 176,546; published May 1, 1923.
Silk, cotton, and silk and cotton mixed piece goods. L. Schoolhouse. 171,613; Aug. 7; Serial No. 177,876; published May 15, 1923.
Silk fabric, All-. A. S. Rosenthal Co. 171,405; Aug. 7; Serial No. 176,502; published May 1, 1923.
Silk knitted cloth in the piece. Banner Silk Knitting Mills, Inc. 171,625; Aug. 7; Serial No. 177,161; published May 22, 1923.
Silk piece goods. Empire Silk Company. 171,389; Aug. 7; Serial No. 177,368; published May 1, 1923.
Silk piece goods. Haas Brothers Fabrics Corporation. 171,615–6; Aug. 7; Serial No. 177,844–5; published May 15, 1923.
Silk piece goods. H. R. Mallinson & Co. Inc. 171,392; Aug. 7; Serial No. 177,092; published May 1, 1923.
Silk piece goods. H. R. Mallinson & Co. Inc. 171,472; Aug. 7; Serial No. 178,524; published May 15, 1923.
Silk piece goods. H. R. Mallinson & Co. Inc. 171,477; Aug. 7; Serial No. 178,110; published May 15, 1923.
Toweling. Marshall Field & Company. 171,682; Aug. 7.
Woven cotton goods. Massachusetts Cotton Mills. 23,710–11; renewed Oct. 17, 1923.

CLASS 43.

Thread, Cotton. Societe en Commandite Maurice Frings & Cie. 171,558; Aug. 7; Serial No. 177,573; published May 8, 1923.
Yarns. Bernhard Ulmann Co. Inc. 171,552; Aug. 7; Serial No. 178,149; published May 8, 1923.
Yarns. Bernhard Ulmann Co. Inc. 171,642; Aug. 7.
Yarns, Wool. D. J. Healy. 171,479; Aug. 7; Serial No. 178,038; published May 15, 1923.

CLASS 44.

Arch supporters for the human foot. H. G. Bentley. 171,524; Aug. 7; Serial No. 176,108; published May 8, 1923.
Elastic bandages. R. L. Hawkins. 171,372; Aug. 7; Serial No. 157,315; published May 15, 1923.
Eyes, Artificial. C. E. Biel. 171,550; Aug. 7; Serial No. 178,211; published May 15, 1923.
Dental chair. Sanitary head shield for. D. C. Baker. 171,633; Aug. 7.
Nebulizers and syringes. Parke, Davis & Company. 171,559; Aug. 7; Serial No. 170,782; published May 15, 1923.
Orthodontic appliances. S. S. White Dental Manufacturing Company. 171,437; Aug. 7; Serial No. 162,226; published May 15, 1923.
Rubber goods and druggists' sundries, Surgical. Lamke & Stemme, Inc. 171,515; Aug. 7; Serial No. 173,237; published May 8, 1923.
Toes, Mechanical devices for straightening crooked. M. Sahlin. 171,523; Aug. 7; Serial No. 176,134; published May 8, 1923.

CLASS 45.

Beverage sold as a soft drink. C. E. May. 171,473; Aug. 7; Serial No. 178,349; published May 22, 1923.
Beverage sold as a soft drink and sirups used in the preparation of same. Ladwig-Schlueter Co. 171,476; Aug. 7; Serial No. 178,259; published May 22, 1923.
Beverages sold as soft drinks. Charles T. Smith Company. 171,597; Aug. 7; Serial No. 176,223; published May 22, 1923.
Ginger ale, cream soda, root beer, etc. Grand Forks Bottling Works. 171,599; Aug. 7; Serial No. 176,266; published May 22, 1923.
Lemonade powders. Freeman's Foods, Limited. 171,319; Aug. 7; Serial No. 168,147; published Apr. 24, 1923.

CLASS 46.

Almonds, Candied. C. Olmsted. 171,344; Aug. 7; Serial No. 173,202; published May 22, 1923.
Almonds, Toasted. J. S. Eustis. 171,568; Aug. 7; Serial No. 173,885; published May 22, 1923.
Apples, Fresh. Acme Orchard Co. 171,521; Aug. 7; Serial No. 176,149; published May 15, 1923.
Blueberries, Fresh. Joseph J. White, Inc. 171,332; Aug. 7; Serial No. 172,457; published May 8, 1923.
Bread. M. M. Meldram. 171,689; Aug. 7.
Butter. Phenix Cheese Co. 171,687; Aug. 7.
Cakes, cookies, and fried cakes. Grennan Cake Corporation. 171,483; Aug. 7; Serial No. 153,179; published May 22, 1923.
Candies. H. Maillard. 171,658; Aug. 7.
Candies. Dolly Varden Chocolate Company. 171,588; Aug. 7; Serial No. 175,632; published May 22, 1923.
Candies and assorted chocolates. Union News Company. 171,333; Aug. 7; Serial No. 172,498; published May 15, 1923.
Candy. Bunte Brothers. 171,320; Aug. 7; Serial No. 168,294; published May 8, 1923.
Candy. Bunte Brothers. 171,457; Aug. 7; Serial No. 168,446; published May 8, 1923.
Candy. C. E. Gheens. 171,370; Aug. 7; Serial No. 169,542; published May 8, 1923.
Candy. Gurley Candy Company. 171,309; Aug. 7; Serial No. 163,267; published May 15, 1923.
Candy. N. G. Knight. 171,511; Aug. 7; Serial No. 162,824; published May 22, 1923.
Candy. New England Confectionery Company. 171,600; Aug. 7; Serial No. 176,274; published May 22, 1923.
Candy. F. A. O'Connor. 171,692; Aug. 7.
Candy. Frank G. Shattuck Company. 171,335; Aug. 7; Serial No. 172,560; published May 15, 1923.
Candy. U. R. S. Candy Stores, Inc. 171,310; Aug. 7; Serial No. 162,594; published May 1, 1923.
Candy and sugared assorted nuts. J. W. Surbrug. 171,503; Aug. 7; Serial No. 169,962; published May 22, 1923.
Candy bar, Chocolate. Theodore Gottmann & Sons. 171,366; Aug. 7; Serial No. 170,015; published May 8, 1923.
Canned corn. Illinois Canning Co. 23,464; renewed Aug. 8, 1923.
Canned corn. Illinois Canning Co. 23,481; renewed Aug. 15, 1923.
Canned evaporated milk. C. A. Baumann. 171,377; Aug. 7; Serial No. 155,663; published May 8, 1923.
Canned fish. Carmel Canning Co. 171,630; Aug. 7; Serial No. 176,323; published May 22, 1923.
Canned fruits. King's County Packing Co. 171,323; Aug. 7; Serial No. 168,421; published May 15, 1923.
Canned fruits and vegetables. H. M. Newhall & Co. 171,368; Aug. 7; Serial No. 169,771; published May 8, 1923.
Canned fruits, flavoring extracts, fruit jams, etc. Johnson-Appleby Company. 171,580; Aug. 7; Serial No. 146,440; published May 8, 1923.
Canned fruits, vegetables, and fish, dried fruits, etc. North American Mercantile Co. Inc. 171,536; Aug. 7; Serial No. 174,910; published May 8, 1923.
Canned fruits, vegetables, fish, meats, oysters, catchups, and soups. Albert F. Remy Co. 23,466; renewed Aug. 8, 1923.
Canned fruits, vegetables, fish, meats, oysters, catchup, and soup. Albert F. Remy Co. 23,482; renewed Aug. 15, 1923.
Canned oysters and shrimp. Biloxi Packing & Trading Co. 171,572; Aug. 7; Serial No. 173,397; published May 22, 1923.
Canned peas. Stephens Canning Corporation. 171,653; Aug. 7.
Canned peas, tomato purée, apples, etc. Standard Purveyors, Inc. 171,602; Aug. 7; Serial No. 174,344; published May 8, 1923.
Canned prepared caviar. D. K. Doucleff. 171,331; Aug. 7; Serial No. 172,266; published May 8, 1923.
Canned salmon. A. A. Anderson. 171,312; Aug. 7; Serial No. 172,822; published May 8, 1923.
Canned salmon. Chinook Packing Company. 171,357; Aug. 7; Serial No. 170,927; published May 15, 1922.
Canned tomatoes. Tamul Packing Co. 171,602; Aug. 7; Serial No. 174,599; published May 8, 1923.
Canned tunny fish in olive oil. Italian Food Products Co. 171,656; Aug. 7.
Canned vegetables. Illinois Canning Co. 23,465; renewed Aug. 8, 1923.
Canned vegetables, fruits, and fish, spices, etc. Karasik, Holleb & Co. 171,411; Aug. 7; Serial No. 172,881; published May 15, 1923.
Cheese. Beatrice Creamery Company. 171,338; Aug. 7; Serial No. 172,793; published Apr. 10, 1923.
Chocolate. Ideal Cocoa & Chocolate Co. 171,593; Aug. 7; Serial No. 176,129; published May 22, 1923.
Chocolate. Lamont-Corliss and Company. 171,295; Aug. 7; Serial No. 166,307; published May 15, 1923.
Chocolate coating. Ideal Cocoa & Chocolate Co. 171,539; Aug. 7; Serial No. 174,780; published May 8, 1923.
Chocolate coating. Ideal Cocoa & Chocolate Co. 171,540; Aug. 7; Serial No. 174,740; published May 8, 1923.
Chocolate coating for candy, Milk. Peter Cailler Kohler Swiss Chocolates Co. 171,665; Aug. 7.
Chocolates wrapped in colored metal foil. J. G. Smith. 171,386; Aug. 7; Serial No. 141,193; published May 8, 1923.
Coffee. F. Danna. 171,422; Aug. 7; Serial No. 172,146; published May 8, 1923.
Coffee. E. T. Gallotti. 171,703; Aug. 7.
Coffee. J. F. Goodson & Company. 171,362; Aug. 7; Serial No. 170,582; published May 8, 1923.
Coffees, candies, chocolates, and chocolate-covered confections. R. J. George. 171,434; Aug. 7; Serial No. 163,796; published May 8, 1923.
Confection. H. Lehoczky. 171,416; Aug. 7; Serial No. 172,481; published May 8, 1923.
Confections, Honey and nut. A. De Vito. 171,317; Aug. 7; Serial No. 167,867; published May 1, 1923.
Crackers, Soda. Tacoma Biscuit & Candy Company. 171,342; Aug. 7; Serial No. 172,913; published Apr. 10, 1923.
Dates. B. K. Marvin. 171,361; Aug. 7; Serial No. 170,688; published May 8, 1923.
Edible preparation. Whip-Lite Products Co. 171,441; Aug. 7; Serial No. 160,840; published May 8, 1923.
Extracts and essence of peppermint flavor, Lemon and vanilla. Foley & Company. 171,598; Aug. 7; Serial No. 176,262; published May 22, 1923.
Fish, Frozen. P. W. Petersen. 171,315; Aug. 7; Serial No. 167,421; published May 1, 1923.
Fish, Smoked. Fulton Smoked Fish Co. 171,592; Aug. 7; Serial No. 176,117; published May 22, 1923.
Flavoring compound. B. Heller & Company. 171,578–80; Aug. 7; Serial Nos. 172,377–9; published May 22, 1923.
Flavoring extracts, crushed and canned fruits, Food. S. E. Shaffner Co. 171,453; Aug. 7; Serial No. 168,807; published May 15, 1923.
Flavorings and spices, Food. B. Heller & Company. 171,334; Aug. 7; Serial No. 172,530; published May 22, 1923.
Flavors for food, marshmallow topping, etc. United Confectioners Supply Co. 171,446; Aug. 7; Serial No. 158,906; published May 8, 1923.
Flour, Wheat. Louisville Milling Company. 171,341; Aug. 7; Serial No. 172,890; published Apr. 10, 1923.
Flour, Wheat. Washburn-Crosby Company. 171,443; Aug. 7; Serial No. 159,545; published Mar. 27, 1923.
Food products. Hutchison Thrift Corporation. 171,451; Aug. 7; Serial No. 169,059; published May 8, 1923.
Fruit in candy form, Sirup-impregnated. J. J. Story. 171,406; Aug. 7; Serial No. 141,333; published Mar. 27, 1923.
Fruit preserves, jellies, and other canned fruit products. Jitz and Fortkamp Company. 171,336; Aug. 7; Serial No. 172,620; published May 8, 1923.
Fruit—viz, satsuma, Fresh. Satsuma Orange & Pecan Groves Company. 171,591; Aug. 7; Serial No. 176,047; published May 22, 1923.
Fruits and fresh vegetables, Fresh deciduous. Idaho Evaporating Co. 171,369; Aug. 7; Serial No. 169,761; published May 1, 1923.
Fruits and fresh vegetables, Fresh deciduous. W. R. Parvin. 171,458; Aug. 7; Serial No. 168,372; published May 8, 1923.
Fruits, dried or dehydrated fruits and vegetables, etc., Fresh citrous and deciduous. J. L. Taylor Co. 171,432; Aug. 7; Serial No. 164,977; published May 8, 1923.
Fruits, Fresh citrous. Citrus Sales Corporation. 171,427; Aug. 7; Serial No. 171,903; published May 15, 1923.
Fruits, Fresh citrous. Vero Indian River Producers Association. 171,351; Aug. 7; Serial No. 171,478; published May 8, 1923.
Grapes, Fresh. W. C. McLellan. 171,459; Aug. 7; Serial No. 168,371; published May 8, 1923.
Gum, Chewing. Apple Gum Company. 171,514; Aug. 7; Serial No. 173,161; published May 8, 1923.
Herrings and sardines. Yzermans & Co. 23,293; renewed July 4, 1923.
Herrings, Salted and pickled. G. Davidson. 171,498; Aug. 7; Serial No. 171,204; published May 22, 1923.
Ice cream. C. C. Madson. 171,466; Aug. 7; Serial No. 166,396; published May 15, 1923.
Lemons, Fresh. Santa Paula Citrus Fruit Association. 171,436; Aug. 7; Serial No. 163,703; published May 8, 1923.
Macaroni. Peter Rossi & Sons Inc. 171,360; Aug. 7; Serial No. 170,730; published May 8, 1923.
Masticatories. J. H. Walter. 171,303; Aug. 7; Serial No. 164,738; published May 15, 1923.
Mayonnaise dressing. C. Vander Koogh. 171,649; Aug. 7.

Mushroom paste. A. G. Hupfel, jr. 171,577; Aug. 7; Serial No. 172,382; published May 22, 1923.
Nuts and candy, Chocolate-coated. O. P. Catsiglanis. 171,421; Aug. 7; Serial No. 172,257; published May 8, 1923.
Oatmeal and similar oat foods. H-O (Hornby's Oatmeal) Company. 23,770; renewed Oct. 31, 1923.
Oil, Olive. Buenaventura Balcells Vallbona. 171,489; Aug. 7; Serial No. 135,438; published May 22, 1923.
Oil, Olive. Rome Importing Co. 171,639; Aug. 7.
Olives, allspice, savory, mustard, etc. Chas. W. Bauermeister Co. 171,313; Aug. 7; Serial No. 166,932; published May 15, 1923.
Oysters, S. B. Field. 171,343; Aug. 7; Serial No. 173,184; published May 8, 1923.
Peanut butter. E. K. Pond Company. 171,627; Aug. 7; Serial No. 176,427; published May 22, 1923.
Peanut butter. G. Townsend. 171,463; Aug. 7; Serial No. 167,855; published May 8, 1923.
Peanuts, Roasted and salted. R. J. George. 171,435; Aug. 7; Serial No. 163,795; published May 8, 1923.
Pickles. American Pickle & Canning Company. 171,413; Aug. 7; Serial No. 172,717; published May 8, 1923.
Pickles and canned vegetables. American Pickle & Canning Company. 171,311; Aug. 7; Serial No. 166,621; published May 15, 1923.
Potato, Cooked. M. F. Ruffner. 171,417; Aug. 7; Serial No. 172,442; published May 8, 1923.
Poultry and lard, Dressed. Evansville Packing Company. 171,429; Aug. 7; Serial No. 171,531; published May 1, 1923.
Prunes. Walla Walla Valley Prune Growers Co-Operative Association. 171,455; Aug. 7; Serial No. 168,697; published May 8, 1923.
Raisins, Chocolate-coated. S. S. Lee. 171,306; Aug. 7; Serial No. 164,649; published May 1, 1923.
Relish, Salad. Hirsch Bros. & Co. 171,401; Aug. 7; Serial No. 176,627; published May 22, 1923.
Sherbet bars. Coverdale & Bruebaker. 171,328; Aug. 7; Serial No. 168,633; published May 15, 1923.
Sirup, Maple. C. W. Treat. 171,423; Aug. 7; Serial No. 172,021; published May 8, 1923.
Sirups, Table. L. B. Sheffield. 171,696; Aug. 7.
Sugar, Corn. Battle Creek Food Company. 171,529; Aug. 7; Serial No. 175,702; published May 15, 1923.
Vinegar, Canned pork and beans, soup, etc., Apple. Hood River Apple Vinegar Co. 171,379; Aug. 7; Serial No. 147,960; published May 8, 1923.
Wheat confection, Puffed. E. F. Allingham Mfg. Co. 171,337; Aug. 7; Serial No. 172,714; published Apr. 17, 1923.
Yeast cakes for culinary purposes. Reel Products Company. 171,355; Aug. 7; Serial No. 171,104; published May 8, 1923.

CLASS 48.

Ale, Aerated and nonalcoholic. Kops Brewery. 23,872; renewed Nov. 28, 1923.
Ale and stout, Aerated and nonalcoholic. Kops Brewery. 23,793; renewed Nov. 7, 1923.
Malt extract, Barley. J. Ruppert. 171,346; Aug. 7; Serial No. 173,213; published May 1, 1923.

CLASS 50.

Art objects. Decorative Arts League. 171,382; Aug. 7; Serial No. 144,853; published May 8, 1923.
Awnings, awning frames, covers, and parts thereof. F. R. Ashley. 171,513; Aug. 7; Serial No. 173,068; published May 8, 1923.
Clothes racks and hangers. Economy System Co. 171,562; Aug. 7; Serial No. 174,513; published May 22, 1923.
Fly swatters and sticky paper. F. W. Hampshire & Co. Ld. 171,586; Aug. 7; Serial No. 175,490; published May 22, 1923.
Furniture and furniture-van pads. A. L. Reach. 171,623; Aug. 7; Serial No. 177,244; published May 22, 1923.
Mat, Leather flexible door. S. J. Kane. 171,426; Aug. 7; Serial No. 171,926; published May 8, 1923.
Monuments. Burton Preston & Co. 171,373; Aug. 7; Serial No. 157,002; published May 1, 1923.
Paper drinking straws. A. Herz. 171,409; Aug. 7; Serial No. 176,182; published May 1, 1923.
Pendants, Luminous. Hart & Hegeman Mfg. Co. 171,497; Aug. 7; Serial No. 171,419; published May 22, 1923.
Rubber mats, waterproofed fabrics, etc. Tetralin Gesellschaft mit beschränkter Haftung. 171,385; Aug. 7; Serial No. 142,944; published May 8, 1923.

ALPHABETICAL LIST OF LABELS.

Ace High Shampoo Always Wins. For Shampoo. R. I. Paddon. 26,309; Aug. 7.
Casalingo. For Tomato Paste. Western Sausage & Provision Co. 26,318; Aug. 7.
Composite reproduction of Ancient Egyptian Art, Egyptian exploration, King Keperu neb Ra Tut ankh Amen Puzzle Game. For a Parlor Game. G. W. Sheppard. 26,314; Aug. 7.
Composite reproduction of Egyptian Art, XVIII Dynasty, King Tut Ankh Amen Game. For a Parlor Game. G. W. Sheppard. 26,313; Aug. 7.
Daveylac. For Shellac for Trees. Davey Tree Expert Company. 26,285; Aug. 7.
Eveready "Three" Radio Battery. For Electric Batteries. National Carbon Company. 26,308; Aug. 7.
Ft. Smith Maid. For Butter. Menasha Printing and Carton Company. 26,307; Aug. 7.
Gold Medal Brand. For Pancake Flour. Richardson Company. 26,311; Aug. 7.
Golden-Crust. For Bread. Robertson Paper Co. 26,312; Aug. 7.
J. M. P. For Cigars. J. M. Prim. 26,310; Aug. 7.
Kellogg's Bran Flakes. For Cereal Breakfast Food. Kellogg Company. 26,290; Aug. 7.
Kellogg's Corn Flakes. For Cereal Breakfast Food. Kellogg Company. 26,289; Aug. 7.
Kutner's Highland. For Coffee. Kutner-Goldstein Co. 26,292; Aug. 7.
Mascot. For Coffee. Thomas J. Webb Company. 26,317; Aug. 7.
Melodew Prepared Liquid Choclet. For Chocolate. Melodew Corporation. 26,306; Aug. 7.
Mildred Cressey Silver Polish. For a Polish for Gold, Silver, or Any Like Material Where a Bright Lustrous Finish is Desired. M. Cressey. 26,284; Aug. 7.
Picture Alphabetic Prize Candy Box. For Candy and a Prize. Leader Novelty Candy Company. 26,293–305; Aug. 7.
Skwez-Me A howling Success. For Skwez-Me Squawkers. W. Caldwell. 26,283; Aug. 7.
Smile. For Oranges. R. Krasnow & Sons. 26,291; Aug. 7.
"Spestos" Furniture Polish. For a Polish for Furniture, Pianos, Woodwork, Floors, Automobiles, and the Like. Spestos Mfg. Co. 26,316; Aug. 7.
"Spestos" The Celebrated Cleaner. For a Cleaner for Painted Walls, Woodwork, Window Shades, Carpets, Autos, Upholstery, and the Like. Spestos Mfg. Co. 26,315; Aug. 7.
The Rose of Guadalupe (La Rose de Guadalupe). For Face Powder. E. Haslett. 26,288; Aug. 7.
Velvet Lawn Grass. For Lawn Grass Seed. Fredonia Seed Company. 26,286; Aug. 7.
Welding Electrode. For Welding Electrodes. General Electric Company. 26,287; Aug. 7.

ALPHABETICAL LIST OF PRINTS.

Krank's Hair-Root-Oil. For a Hair Tonic. A. J. Krank. 6,850; Aug. 7.
Mr. I. Lubricate. For Lubricating Oils. Sherwood Petroleum Company. 6,853; Aug. 7.
No Fire can expand with Minimax at hand. For Fire Extinguishers. Minimax Company. 6,852; Aug. 7.
The After-Shave Comfort and Enjoyment. For A. S. Hinds Co. Honey and Almond Cream. A. S. Hinds Co. 6,848; Aug. 7.
The Heart Of The Locomotive. For Parts of Locomotive Boilers Known as Thermic Siphons. Locomotive Firebox Company. 6,851; Aug. 7.
The Powder Base Perfection. For Hinds Honey and Almond Cream and Cre-mis Face Powder. A. S. Hinds Co. 6,849; Aug. 7.
The World's Fare. For Wheat Breakfast Food. Cream of Wheat Co. 6,847; Aug. 7.
Williams' Holder Top-Doublecap. For Shaving-Soap Sticks. J. B. Williams Company. 6,854; Aug. 7.
Williams' Holder Top. For Shaving-Soap Sticks. J. B. Williams Company. 6,856; Aug. 7.
Williams' Shaving Cream. For Shaving Cream. J. B. Williams Company. 6,855; Aug. 7.

CLASSIFIED LIST OF TRADE-MARK TITLES.

PUBLISHED FOR OPPOSITION.

[Act of Feb. 20, 1905, Sec. 6, as amended Mar. 2, 1907.]

CLASS 1.

Furs and pelts. A. Pierini. 163,173; Aug. 7.
Phenolic condensation product, Laminated. Diamond State Fibre Company. 180,163; Aug. 7.

CLASS 4.

Automobile bands, Nonchatter preparations for. Chat-Less-Ine Company. 175,185; Aug. 7.
Cleaning compound, Liquid. Import Drug Specialties Co. 162,820; Aug. 7.
Cloth polishing wheels. A. P. Munning & Co. 166,192; Aug. 7.
Compound for use in washing clothes. Bachman & Wickens. 179,084; Aug. 7.
Metal polish. A-1 Manufacturing Company. 176,318; Aug. 7.
Polish, Shoe. L. H. Fisher. 176,333; Aug. 7.
Polishes for metal and boots and shoes. Nonsuch Manufacturing Co. 175,207; Aug. 7.
Preparation for cleaning and polishing bathtubs, washstands, etc. Kemosayne Products, Inc. 173,838; Aug. 7.
Preparation for removing stains and dirt. L. W. Fountain. 177,479; Aug. 7.
Soap. Susanna Cocroft Laboratories Inc. 180,750; Aug. 7.
Soap. Van Camp Packing Company. 175,115; Aug. 7.
Soap and soap products. Bonded Products Corporation. 177,354; Aug. 7.
Soap flakes. W. & H. Walker, Inc. 179,568; Aug. 7.
Soap, Scouring. Bon Ami Company. 170,557; Aug. 7.

CLASS 5.

Adhesive tape. Baker, Hamilton and Pacific Company. 170,356; Aug. 7.
Oil, Core. Smith Oil & Refining Company. 180,626; Aug. 7.

CLASS 6.

Acid, Stearic. Will & Baumer Candle Co. 179,695; Aug. 7.
Antacid neutralizing powder. Moore & Co. 176,906; Aug. 7.
Bichromate of soda and bichromate of potash. Natural Products Refining Co. 175,195; Aug. 7.
Butyl aminobenzoate. Abbott Laboratories. 179,913; Aug. 7.
Capsules, Headache. Headex Remedy Co. 180,599; Aug. 7.
Chemicals for general laboratory work, etc. E. de Haen A.-G. 171,832; Aug. 7.
Cough preparation. A. Gazzoni & C. 175,600; Aug. 7.
Counterirritant and rubefacient. Alpen Company. 179,129; Aug. 7.
Cream, Cold. E. R. Squibb & Sons. 180,630; Aug. 7.
Cream, Freckle-removing or bleaching. Sunny Susan Laboratories. 164,567; Aug. 7.
Deodorant, Perspiration. Jean Jordeau, Inc. 177,742; Aug. 7.
Disinfectant. N. S. Hollyard. 180,600; Aug. 7.
Disinfectants, Solidified coal-tar. Beeh, Van Sicien & Co. 174,815; Aug. 7.
Fire-extinguishing compound. River-Lake Chemical Co. 160,905; Aug. 7.
Hair dyes and colorings for eyebrows and eyelashes. L. Hayman. 159,581; Aug. 7.
Hair grower. A. J. Cahjoe. 176,162; Aug. 7.
Hair tonic and preservative. De Vito Salvo Hair Tonic Co. 177,823; Aug. 7.
Insecticide and fungicide. Kil-Tone Company. 177,561; Aug. 7.
Liquid for exterminating vermin. S. S. Schoen. 180,623; Aug. 7.
Lotions and medicinal preparations for inflamed mucous membranes, Skin. A. B. Mann. 177,499; Aug. 7.
Medical product. E. H. Dunn. 172,086; Aug. 7.
Medicinal preparation for external treatment of rheumatism, neuritis, etc. J. M. Pottgieser. 179,740; Aug. 7.
Medicinal preparation for intestinal disorders. International Consolidated Chemical Corporation. 180,702; Aug. 7.
Medicinal preparation for the treatment of stomach and bowel troubles, coughs, etc. A. J. Perry and Co. 177,242; Aug. 7.
Medicinal preparation indicated in chronic inflammations of the mucous membranes. American Radium Appliance Company. 179,099; Aug. 7.
Medicinal preparation recommended for use in the treatment of rheumatic, neuritic, and sciatic affections, etc. Capcoss Co. 180,583; Aug. 7.
Medicine for diseases peculiar to females. A. O. Schmidt. 178,573; Aug. 7.
Medicine for tuberculosis, Liquid. J. Margus. 164,656; Aug. 7.
Medicine, Poultry. C. J. Martin. 170,943; Aug. 7.
Medicine used in cases of inflammation, ulceration, and discharges of the urinary tract. Organ-Iron Medicine Company. 178,458; Aug. 7.
Oil, Castor. Berry, Demoville & Co. 176,157; Aug. 7.
Oil compound, Castor-. G. B. Tullidge. 177,931; Aug. 7.
Perfume, toilet water, rouges, face and talcum powders, brilliantine, etc. E. Daltroff & Cie. 173,878; Aug. 7.
Perfumes. J. C. Worth. 172,630; Aug. 7.
Pharmaceutical preparation used for the treatment of foot and mouth diseases and disinfectant. American Kreuger & Toll Corporation. 174,719; Aug. 7.
Plasters, Medicated and surgical, kidney, and medicated. Deane Plaster Co. 171,154; Aug. 7.
Powder, toilet rouge powder, and toilet rouge sticks, etc., Face. L. Leichner. 166,186; Aug. 7.
Powders and creams, perfumes, toilet waters, rouges, etc., Face. New York French Exports, Inc. 179,879; Aug. 7.
Powders, rouges, Face. P. Sturges. 176,579; Aug. 7.
Preparation for removing calli and corns from the feet. Booth-Coahran Co. 167,796; Aug. 7.
Preparation for removing starch and sizing from textiles. H. A. Metz & Co. 180,713; Aug. 7.
Preparation for syphilis and diseases of the skin. E. Tosse & Co. 178,577–8; Aug. 7.
Preparation for the treatment of cancer. E. L. Smith. 177,203; Aug. 7.
Preparation for treating diseases of the mucous membranes. Dr. J. S. Cater. 177,593; Aug. 7.
Preparation for the treatment of eczema and other skin diseases, burns, scalds, etc. J. T. Bramblett. 178,326; Aug. 7.
Preparation used for the destruction and eradication of lice, insects, and other vermin. J. F. Gallagher. 158,169; Aug. 7.
Rubber articles, Compound used in the curing of. Rubber Service Laboratories Company. 171,470; Aug. 7.
Silk softener. Taylors Silk Emulsion, Inc. 179,973; Aug. 7.
Soap, Iron-rust, ink, and stain. N. C. Edwards. 177,658; Aug. 7.
Suprarenal extract, Solution of. Novocol Chemical Mfg. Co. 177,319; Aug. 7.
Tonic, antiseptic tablets, and blood pills, Dog and puppy. H. B. Furgerson, M. D. 180,597; Aug. 7.
Tooth paste, mouth wash, pyorrhea astringent, hair tonic, etc. G. R. Gilbert. 167,612; Aug. 7.
Wood preservative and disinfectant and insecticide. C. J. Martin. 170,942; Aug. 7.
Zinc oxide. New Jersey Zinc Company. 180,615; Aug. 7.

CLASS 9.

Matches. Jönköpings och Vulcans Tandstickfabriks-aktiebolag. 179,273; Aug. 7.

CLASS 12.

Bricks. Sumter Brick Works. 179,629; Aug. 7.
Building materials, Liquid integral used in mixing. Adensite Co. 180,317; Aug. 7.
Cement, Asbestos. Smith & Kanzler. 181,047; Aug. 7.
Cement, Roof. H. Ruben. 178,409; Aug. 7.
Felt building paper, deadening felt, etc., Asphalt-saturated roofing. Baker, Hamilton and Pacific Company 170,353; Aug. 7.
Gypsum stucco and wall plasters, Calcined. United States Gypsum Company. 176,863; Aug. 7.
Plasterlike composition for a surfacing for floors, walls, roofs, etc. E. N. Biegler Manufacturing Co. 180,412; Aug. 7.
Ply wood, veneer, sawed timber. Venesta Limited. 180,912; Aug. 7.
Roof coating, Semiliquid asbestos. Durable Products Company. 175,190; Aug. 7.
Roofing, Rag fiber and asphalt. Oertel Roofing Manufacturing Company. 160,149; Aug. 7.
Shingles, Stained wooden. J. S. Williams. 180,916; Aug. 7.

CLASS 13.

Nails. United Shoe Machinery Corporation. 179,755; Aug. 7.
Nuts, bolts, rivets, screws, Lock. Boss Nut Company. 177,355; Aug. 7.
Stopcocks and stop and waste cocks, etc. Ford & Kendig Co. 129, 592; Aug. 7.
Tubes, Brass, copper, etc. Anaconda Copper Mining Company. 177,210; Aug. 7.

PUBLISHED FOR OPPOSITION.

[Act of Feb. 20, 1905, Sec. 6, as amended Mar. 2, 1907.]

CLASS 14.

Forgings, Drop. Western Drop Forge Company. 181,429; Aug. 7.
Lead, zinc, copper, gold, silver, antimony, and iron. Consolidated Mining and Smelting Company of Canada, Limited. 158,417; Aug. 7.
Platinum, gold, silver, etc., in sheets, rolls, etc. Katz & Ogush, Inc. 180,012; Aug. 7.
Steel forgings. A. Finkl & Sons Company. 179,038; Aug. 7.
Steel forgings. A. Finkl & Sons Company. 179,189; Aug. 7.

CLASS 15.

Canned motor oils. Midcontinent Producers' & Refiners' Corporation. 175,094; Aug. 7.
Oils and greases. Edward A. Reichel Co. 159,885; Aug. 7.

CLASS 19.

Automobile dog carrier. H. J. George. 179,195; Aug. 7.
Automobiles and automobile chassis. A. Faure. 178,170; Aug. 7.
Automobiles and other vehicles, Signal devices mounted upon. Faurot-Scope Corp. 161,483; Aug. 7.
Cast chilled wheels, industrial cars, shop cars, push cars, etc. Ramapo Ajax Corporation. 178,358; Aug. 7.
Cycles, Foot-propelled. Emblem Manufacturing Company. 169,161; Aug. 7.
Visors, Sun. W. Modra. 167,645; Aug. 7.

CLASS 21.

Adhesive tape for electrical purposes. Baker, Hamilton and Pacific Company. 170,355; Aug. 7.
Lightning arresters and rods, tips, and connectors thereof, trolley poles, etc. Mannesmannröhren-Werke. 163,693; Aug. 7.
Outlet boxes. Electric Outlet Company. 173,129; Aug. 7.
Radio apparatus, radio receiving sets, etc., Variometers, variocouplers, and transformers for. General Radio Corporation. 180,279; Aug. 7.
Sweepers, Electric suction. Hoover Company. 175,244; Aug. 7.

CLASS 22.

Fishing rods, poles, lines, hooks, etc. Horrocks-Ibbotson Co. 173,602; Aug. 7.
Toy villages and dolls. B. M. Larkin. 181,343; Aug. 7.
Track and cars for use thereon, Miniature automobile race. Advertising Auto Speedway Co. 179,506; Aug. 7.

CLASS 23.

Braiding and weaving machines. American Wiremold Company. 179,703; Aug. 7.
Dishwashing machines and metal-parts-washing machines. Crescent Washing Machine Company. 177,168; Aug. 7.
Engines, Steam and internal-combustion. John I. Thornycroft & Co. Limited. 179,385; Aug. 7.
Hammers. Kelly Axe Manufacturing Company. 180,666; Aug. 7.
Knives, razors, scissors, etc. Natenberg-Strauss Importing Co. 177,316; Aug. 7.
Oil condensers, heat exchanges, and dephlegmators. C. H. Leach Company. 169,720; Aug. 7.
Pistons. Maxwell Motor Corporation. 174,212; Aug. 7.
Plows. H. Ferguson. 175,778; Aug. 7.
Roller skins, Leather. John Ormerod & Sons Ltd. 181,144; Aug. 7.
Sandblast apparatus and parts thereof and accessories therefor. Hoevel Manufacturing Corporation. 173,284; Aug. 7.
Screw drivers, wrenches, and wrench sets. Viking Specialty Company. 160,570; Aug. 7.
Seeding implements. American Seeding Machine Company. 178,654; Aug. 7.
Shovels, spades, scoops, etc. Baldwin Tool Works. 166,636; Aug. 7.

CLASS 25.

Padlocks and key blanks. Baker, Hamilton and Pacific Company. 170,351; Aug. 7.

CLASS 26.

Gauges, plumb bobs, plumbs and levels, etc., Carpenters' and marking. Marshall-Wells Company. 178,527; Aug. 7.
Thermometers. Schaeffer & Budenberg Mfg. Co. 177,110; Aug. 7.

CLASS 27.

Clocks. Warren Clock Company. 144,303; Aug. 7.

CLASS 28.

Bags, Mesh. Whiting & Davis Company. 168,662; Aug. 7.
Chains, fobs, pendants, bracelets, etc. Fr. Speidel. 177,703; Aug. 7.
Chains, fobs, pendants, bracelets, etc. Fr. Speidel. 179,285; Aug. 7.
Necklaces, and cords for stringing and restringing pearls or beads, Pearl and bead. S. E. Porter. 174,486; Aug. 7.
Pearls or beads, Cord for stringing or restringing. S. E. Porter Co. 179,322; Aug. 7.

CLASS 32.

Bed springs. New York Bed Spring Mfg. Co. 180,716; Aug. 7.
Beds, Concealable. California Wall Bed Company. 180,326; Aug. 7.
Cabinets, desks, stools, etc., Filing. Levey Printing Company. 173,510; Aug. 7.
Furniture, Household. R. H. Macy & Co. 160,296; Aug. 7.
Furniture, Porch. Appleton Toy & Furniture Co. 161,403; Aug. 7.
Furniture, Upholstered. Landau Cabinet Company. 174,743; Aug. 7.
Furniture, Upholstered. Albert Sklarek Co. 176,922; Aug. 7.
Hammocks, Swing couch. H. E. Burroughs. 143,533; Aug. 7.
Mattresses, pillows, bolsters, and cushions. Robinson-Roders Co. 136,603; Aug. 7.
Shades, Porch. C. W. Warren. 179,904; Aug. 7.

CLASS 34.

Manufactured devices. Douley Brothers Company. 178,828; Aug. 7.

CLASS 35.

Belts for machinery, Leather. Jewell Belting Company. 170,650; Aug. 7.
Hose, Cotton fire. Wm. & Chas. Beck, Inc. 176,874; Aug. 7.

CLASS 36.

Cornets. Lyon & Healy. 161,325; Aug. 7.
Disks for recording the human voice, Metal. Usinga Disc Corporation. 180,251; Aug. 7.
Pianos, phonographs, and records, Player. Starr Piano Company. 135,764; Aug. 7.

CLASS 37.

Paper, paper napkins, towels, and tablecloths, Toilet. Fort Howard Paper Company. 180,970; Aug. 7.
Paper, paper napkins, towels, and tablecloths, Toilet. Fort Howard Paper Company. 181,442; Aug. 7.
Paper, Wrapping. Union Paper & Twine Co. 180,567; Aug. 7.
Pencils, Mechanical. W. H. Blake. 181,585; Aug. 7.

CLASS 38.

Catalogues issued monthly. American Wholesale Corporation (Baltimore Bargain House). 179,256; Aug. 7.
Magazine, Monthly. Vickery & Hill Pub. Co., The. 179,440; Aug. 7.
Newspaper column, Title for a. F. W. Wile. 179,076; Aug. 7.
Periodical, Monthly. Aetna Life Insurance Company. 180,319; Aug. 7.
Periodicals, Weekly. Cultivator Publishing Company. 180,421; Aug. 7.
Photographs. J. F. Wiggin. 162,154; Aug. 7.
Printed jobs, specifically house organs, catalogues, price lists, etc., Various completely. J. C. Hub Manufacturing Company. 168,111; Aug. 7.
Publication, Motorists'. Tourist Handbook Pub. Co. 179,386; Aug. 7.

CLASS 39.

Apparel for men and women, Wearing. Rosenwald & Weil, Inc. 180,892; Aug. 7.
Aprons, dresses, and bloomers. Rhea Manufacturing Co. 176,653; Aug. 7.
Bloomers. Walter A. Goldsmith Co. 181,116; Aug. 7.
Brassières. Chas. R. De Bevoise Co. 159,502–3; Aug. 7.
Brassières. Chas. R. De Bevoise Co. 175,010; Aug. 7.
Caps and hats. Crofut & Knapp Co. 176,253; Aug. 7.
Caps, hats, gloves, fur coats, etc. Dobbs & Co. 176,257; Aug. 7.
Clothing, Men's. J. Herman. 175,144; Aug. 7.
Coats, suits, dresses, and hats, Women's. L. H. Burgower. 127,709; Aug. 7.
Collars, Cluett, Peabody & Company. 176,326; Aug. 7.
Collars, pyjamas, and shirts, Men's and boys'. H. Berger. 180,740–3; Aug. 7.
Corsets, waist corsets, brassières, and undergarments. C. Munter. 177,192–3; Aug. 7.
Dresses and aprons, House. Perfection Garment Company. 176,692; Aug. 7.

PUBLISHED FOR OPPOSITION.

[Act of Feb. 20, 1905, Sec. 6, as amended Mar. 2, 1907.]

Dresses and suits, Sport and outing. Solomon Mfg. Co. 180,946; Aug. 7.
Dresses, Coats, and suits, Ladies'. S. Klein. 174,081; Aug. 7.
Dresses for ladies and misses. Bass & Gross. 181,238; Aug. 7.
Footwear Sport. Sportmox Company. 177,413; Aug. 7.
Fur-kerchief for women. Myriad Manufacturing Co. 178,269; Aug. 7.
Garments, Ladies', misses', and children's ready-to-wear wash. B. F. Snyder. 170,957; Aug. 7.
Garments, Men's and young men's outer. Fruhauf Bros. & Co. 176,460; Aug. 7.
Gloves, Fabric and skin. Wimelbacher & Rice. 151,775; Aug. 7.
Gowns, Ladies' dressing. Goldman Costume Company. 155,342; Aug. 7.
Hats, caps, and walsts, Ladies'. S. A. Friedman. 172,669; Aug. 7.
Hosiery. Bear Brand Hosiery Co. 176,319; Aug. 7.
Hosiery. J. C. Bossong. 181,170; Aug. 7.
Hosiery. Brigham Company. 181,056; Aug. 7.
Hosiery. Brownhill & Kramer. 180,837; Aug. 7.
Hosiery. Everstyle Hosiery Co. 180,999; Aug. 7.
Hosiery. E. Grobel. 172,876; Aug. 7.
Hosiery. E. M. Townsend & Co. 172,132; Aug. 7.
Hosiery. United Mills Company. 181,325; Aug. 7.
Hosiery and knitted underwear. Geo. English, Jr., & Co. 180,847; Aug. 7.
Hosiery and silk underwear. T. J. Mulcahy. 181,302; Aug. 7.
Hosiery, coats, gloves, suits, etc. H. Schneider. 172,960; Aug. 7.
Hosiery, Men's. H. W. Anthony. 171,522; Aug. 7.
Hosiery, underwear, and shirts. Williams-Richardson Company. 149,881; Aug. 7.
Hosiery, underwear, garters, sweaters, coats, etc. M. G. Molina. 179,480; Aug. 7.
Knitted sweaters, mufflers, golf hose, and bathing suits. J. Forstadt. 172,831; Aug. 7.
Knitted wear for infants and children. Regal Knitting Company. 172,293; Aug. 7.
Overalls, pants, working shirts. Horace L. Allen Mfg. Co. 175,591; Aug. 7.
Overcoats and suits, Men's and boys'. L. Baefsky. 157,910; Aug. 7.
Overcoats, raincoats, suit coats, suits, vests, and trousers, Men's and youths'. Alta Clothing Company. 181,234; Aug. 7.
Rompers, wash suits, dresses, etc. J. Schwartz. 167,151; Aug. 7.
Scarfs, neckties, cravats, reefers. C. Stern & Mayer, Inc. 179,436–7; Aug. 7.
Scarfs, neckties, cravats, and reefers. C. Stern & Mayer, Inc. 179,439; Aug. 7.
Shirts, drawers, and union suits, hosiery, etc. A. F. Huebner. 174,079; Aug. 7.
Shirts, drawers, pyjamas, etc. G. F. Lester. 175,727; Aug. 7.
Shirts, jerseys, and sweaters. Draper-Maynard Company. 170,632; Aug. 7.
Shirts, Men's. Watts, Ritter and Company. 175,116; Aug. 7.
Shirts, pyjamas, hosiery, etc. Southern California Dry Goods Company. 179,634; Aug. 7.
Shirts, Work. Western Shirt Company. 177,156; Aug. 7.
Shirts, Work and negligee. Wyman, Partridge & Co 181,550; Aug. 7.
Shoes. Craddock-Terry Co. 177,278; Aug. 7.
Shoes. Harper & Kirschten Shoe Co. 168,527; Aug. 7.
Sport goods. Spa Knitting Co. 180,816; Aug. 7.
Suits and overcoats, Young men's. Philipsborn's, Inc. 175,155; Aug. 7.
Ties, cravats. Friedman Bros. & Son Neckwear Co. 177,290; Aug. 7.
Trousers, overalls, shirts. Lee Brothers Company. 172,603; Aug. 7.
Undershirts, underdrawers, and union suits. John K. Stewart & Sons. 177,633; Aug. 7.
Undershirts, underdrawers, and union suits, Men's. Tryon Mills of Vermont. 177,636; Aug. 7.
Underwear, Ladies' and misses' silk and cotton. J. Garfinkle. 170,814; Aug. 7.
Uniforms, caps, and aprons, men's and boys' shirts, etc., Nurses' and maids'. B. B. & R. Knight, Inc. 172,682; Aug. 7.

CLASS 40.

Combs, Rubber. Gotham Comb Co. 178,838; Aug. 7.
Lacings, galloons, and braids, Shoe, underwear, and blouse. United Lace & Braid Mfg. Co. 179,897; Aug. 7.
Pins, Safety. Risdon Manufacturing Company. 175,104; Aug. 7.

CLASS 42.

Broadcloth, Cotton. Bear Mill Manufacturing Company. 179,351; Aug. 7.
Cheesecloth, crinoline, and bunting in the piece. Lewis Manufacturing Company. 150,319; Aug. 7.
Cotton and cotton and silk mixture piece goods. Cohn Hall Marx Co. 179,853; Aug. 7.
Cotton piece goods. Consolidated Textile Corporation. 181,558; Aug. 7.
Cotton piece goods. E. Millus & Co. 180,545; Aug. 7.
Cotton piece goods. A. M. Robinson Company. 180,496; Aug. 7.
Cotton piece goods. Wilton Manufacturing Company. 181,507; Aug. 7.
Curtains and nets or curtain lace in piece goods, Lace. Quaker Lace Company. 173,441; Aug. 7.
Curtains and nets or curtain lace in the piece, Lace. Quaker Lace Company. 177,326; Aug. 7.
Dress goods and all knit fabrics. Gropper Knitting Mills, Inc. 169,807; Aug. 7.
Hair nets. Walker Webbing Co. 155,725; Aug. 7.
Hair nets, Ladies'. R. Ginsberg & Bro. 181,563; Aug. 7.
Handkerchiefs. Druggists' Supply Corporation. 181,388; Aug. 7.
Handkerchiefs. Heiss, Brush & Co. 181,748; Aug. 7.
Knitted elastic fabric in the piece. James R. Kendrick Co. 162,678; Aug. 7.
Knitted worsted and fiber-silk fabrics. Knitted Textiles Corporation. 181,752; Aug. 7.
Laces, embroideries, handkerchiefs, and cotton and silk goods. Morisse Lace & Embroidery Co. 177,986; Aug. 7.
Linen, ramie, hemp, etc., piece goods. Montgomery L. Hart, Inc. 177,488; Aug. 7.
Linings, pocketings, and interlinings, Cotton-fabric. Goetz-Berlin Co. 175,486; Aug. 7.
Muslin in the piece. Marshall Field & Company. 181,263; Aug. 7.
Pile fabrics in the piece. Pennsylvania Textile Mills, Inc. 181,307; Aug. 7.
Sheets and pillowcases. B. B. & R. Knight, Inc. 181,489; Aug. 7.
Silk, cotton, and silk and cotton piece goods. Fried, Mendelson & Co. 180,275; Aug. 7.
Silk piece goods. Wechsler Barber Silk Company. 181,506; Aug. 7.
Towels and toweling, Woven cotton. Boott Mills. 177,164; Aug. 7.
Upholstery fabrics. Sidney Blumenthal & Co. 175,763; Aug. 7.
Upholstery fabrics. Sidney Blumenthal & Co. 175,765; Aug. 7.
Woolen fabrics in the piece. Continental Mills, Inc. 181,731–2; Aug. 7.
Woolen piece goods. American Woolen Company. 181,372; Aug. 7.
Woven, knitted, netted, textile, and pile fabrics in the piece. Cheney Brothers. 181,378; Aug. 7.
Woven textile fabrics. Esmond Mills. 181,339; Aug. 7.

CLASS 43.

Package. Art-needlework. Bernard Ulmann Co. 179,286; Aug. 7.
Thread and yarn. J. & P. Coats (R. I.) Inc. 181,729; Aug. 7.
Yarns, Wool and wool and silk mixture. Marshall Field & Company. 181,262; Aug. 7.
Yarns, Wool and wool and silk mixture. Marshall Field & Company. 181,266; Aug. 7.
Yarns, Wool and wool and silk mixture. Marshall Field & Company. 181,268; Aug. 7.

CLASS 45.

Beverages sold as soft drinks. N. E. French. 181,734; Aug. 7.

CLASS 46.

Biscuit, Cereal. Battle Creek Food Company. 175,700; Aug. 7.
Bran. Warner, Moore & Co. 175,582; Aug. 7.
Butter, eggs, and cheese. Taylor Produce Co. 150,413; Aug. 7.
Butter, oleomargarine, eggs, lard, etc. Dunlevy Packing Company. 150,310; Aug. 7.
Cakes. Colonial Biscuit Company. 159,410; Aug. 7.
Candies. Peerless Confection Company. 169,604; Aug. 7.
Candy. A. Williams. 179,980; Aug. 7.
Canned fruits and vegetables. California Co-Operative Canneries. 175,844; Aug. 7.
Canned oysters, salmon, sardines, and apricots, etc. Winston, Harper, Fisher Company. 166,120; Aug. 7.
Caviar. S. Rosenberg. 178,361; Aug. 7.
Cereals, Breakfast. Colton Brothers Company. 175,386; Aug. 7.
Cheese, milk, and cream. Lily Brook Farms, Inc. 175,800; Aug. 7.
Coffee. H. Jevne Co. 162,744; Aug. 7.
Cream, condensed milk, and cheese, Export. E. Smidt. 169,458; Aug. 7.

PUBLISHED FOR OPPOSITION.

[Act of Feb. 20, 1905, Sec. 6, as amended Mar. 2, 1907.]

Feeds, Horse, poultry, hog, and dairy. G. F. Obrecht. 175,405; Aug. 7.
Feeds, Stock. Quaker Oats Company. 174,917; Aug. 7.
Flour improvers. De Bruyn, Limited. 158,705; Aug. 7.
Flour, Wheat. Minneapolis Milling Co. 173,974; Aug. 7.
Flour, Wheat. Model Mill Company. 175,802; Aug. 7.
Flour, Wheat. Pillsbury Flour Mills Company. 173,377; Aug. 7.
Flour, Wheat. Quaker Oats Company. 174,914; Aug. 7.
Food products. T. & C. Corporation. 173,863; Aug. 7.
Foods, Stock and poultry. Ubiko Milling Company. 165,902; Aug. 7.
Fruits, Citrous. Stambaugh & Rabe. 157,637; Aug. 7.
Fruits, Fresh citrous. Anaheim Valencia Growers Ass'n. 178,370; Aug. 7.
Fruits, Fresh deciduous. Earl Fruit Company. 170,010; Aug. 7.
Poultry and eggs, Dressed. J. A. Shannon & Son. 164,562; Aug. 7.
Relishes and condiments in the form of dressings and sauces, sandwiches, etc. W. B. Cross. 173,814; Aug. 7.
Semolina. Washburn-Crosby Company. 174,048; Aug. 7.
Spices, bay leaves, cassia, cinnamon, etc. Hulman & Co. 170,919; Aug. 7.

CLASS 50.

Ladders and step stools. Goshen Churn & Ladder Company. 171,314; Aug. 7.
Receptacles and containers, Caps and closures for. C. & W. Cap Company. 180,688; Aug. 7.

ALPHABETICAL LIST OF PATENTEES

TO WHOM

PATENTS WERE ISSUED ON THE 7TH DAY OF AUGUST, 1923.

NOTE.—Arranged in accordance with the first significant character or word of the name (in accordance with city and telephone directory practice). **Includes patents, reissues, and designs.**

Abbott, William J. (See McNeill, A. M., and Abbott.)
Abernethy, David, Philadelphia, Pa. Spreader for fishing lines. 1,464,163; Aug. 7.
Adams, Gridley, Chicago, Ill. Film-operating machine. 1,463,992; Aug. 7.
Agee, Wallace G., Louisville, assignor of one-half to M. Bell, Eminence, Ky. Hose supporter. 1,464,380; Aug. 7.
Ahern, Edmund L., Mount Gilead, Ohio. Bracket for supporting closet tanks. 1,464,398; Aug. 7.
Ainsworth, George, Great Neck, N. Y., assignor to Beverly Lights Corporation, Providence, R. I. Candle cup for lighting fixtures. Des. 62,811; Aug. 7.
Aktiebolaget Ljungstroms Angturbin. (See Ljungström, Frederik, assignor.)
Aktiebolaget Separator. (See Forsberg, Erik A., assignor.)
Aktiengesellschaft der Maschinenfabriken Escher Wyss & Cie. (See Guyer, H., and Rüegger, assignors.)
Alarie, Frank C., Troy, N. Y. Internal-combustion engine. 1,464,164; Aug. 7.
All-In-One Manufacturing Company, Incorporated. (See Lieberthal, Robert H., assignor.)
Allen, Charles R., assignor to The Ashtabula Bow Socket Company, Ashtabula, Ohio. Top for vehicles and the like. 1,464,193; Aug. 7.
Allen, Napoleon B., New Hyde Park, N. Y. Hinge for curtain stretchers. 1,463,783; Aug. 7.
Allen, Robert, Woodcote, near Reading, England. Appliance for inserting piston rings or the like in their grooves or removing them therefrom. 1,464,056; Aug. 7.
Allison, James F., McMinnville, Tenn. Trap. 1,464,399; Aug. 7.
Ambus, Harry, Cleveland, Ohio. Combined door opener and curtain carrier. 1,464,400; Aug. 7.
American Abrasive Metals Company. (See Napolitan, Francis J., assignor.)
American Brake Shoe & Foundry Company, The. (See Thompson, James S., assignor.)
American Can Company. (See Widell, M. E., and Smith, assignors.)
American Dan Bottle Seal Corporation. (See Nordstrom, Elof, assignor.)
American Engineering Company. (See James, George H., assignor.)
American Rubber & Tire Company, The. (See Miller, Albert, assignor.)
American Steel and Wire Company of New Jersey, The. (See Hindmarsh, Percy J., assignor.)
American Telephone and Telegraph Company. (See Carson, John R., assignor.)
Amidano, Charles R., Boston, Mass. Buckle. 1,464,381; Aug. 7.
Anderson, Carl F., Brookfield, and L. W. Knapp, Berwyn, assignors, by mesne assignments, to Conlon Corporation, Cicero, Ill. Woodworking machine. 1,464,020; Aug. 7.
Anderson, Samuel R., Hardin, Ill. Dirigible headlight for vehicles. 1,464,125; Aug. 7.
Annison, Richard H., London, England. Piston-control mechanism. 1,463,785; Aug. 7.
Ardo, Joseph, and F. Melfo, Newhall, W. Va. Variable electric lamp. 1,464,346; Aug. 7.
Armstrong Company, The. (See Armstrong, Harry H., assignor.)
Armstrong, Harry H., assignor to The Armstrong Company, Los Angeles, Calif. Recovering condensable vapors from gases. 1,463,782; Aug. 7.
Asbestos Shingle, Slate & Sheathing Company. (See Ledeboer, John W., assignor.)
Ashtabula Bow Socket Company, The. (See Allen Charles R., assignor.)
Atlas Engineering Company. (See Schmid, William P., assignor.)
Augustine, Addison E., Hackensack, N. J., assignor to Chester Machine Co. Inc., New York, N. Y. Feeler and counter mechanism for envelope-making machines. 1,464,306; Aug. 7.
Automatic Electric Company. (See Baer, Fred L., assignr.)
Avenson, Lorenzo M., St. Paul, and J. L. Hagie, Minneapolis, Minn. Label for poisonous containers. 1,464,347; Aug. 7.
Ayres, Elwood B., assignor to Proctor & Schwartz, Incorporated, Philadelphia, Pa. Apparatus for drying skins, etc. 1,464,348; Aug. 7.
Badische Anilin & Soda Fabrik. (See Kunz, Max A., assignor.)
Baechle, Nicholas W., Cincinnati, Ohio. Coaster brake. 1,464,465; Aug. 7.
Baer, Fred L., Berwyn, assignor to Automatic Electric Company, Chicago, Ill. Interoffice trunk circuits for telephone systems. 1,463,934; Aug. 7.
Baker & Company. (See Maculen, F., and Van Allen, assignors.)
Baldwin, Robert L., Canon City, Colo. Animal trap. 1,463,787; Aug. 7.
Baldwin, Robert L., Canon City, Colo. Combined paper cutter and letter opener. 1,463,786; Aug. 7.
Barna, John, New London, Conn. Storage-battery plate. 1,463,788; Aug. 7.
Bart, Thomas E., assignor to The Murdock Manufacturing and Supply Company, Cincinnati, Ohio. Railway water-service device. 1,464,165; Aug. 7.
Bartels, Carl. (See Mosler, M., and Barteis.)
Bartolacelli, Delindo, Daly City, Calif. Padlock. 1,464,194; Aug. 7.
Bassick Manufacturing Company, The. (See Winkley, Frank D., assignor.)
Battle, Mary W., Denver, Colo. Menu-card holder. 1,464,021; Aug. 7.
Baumann, Gustav, Rahway, and J. Hopta, Avenel, N. J. Rotary internal-combustion engine. 1,463,784; Aug. 7.
Baumgardner, Charles R., Kansas City, Mo. Valve. 1,464,022; Aug. 7.
Bautz, Jindřich. (See Kriegerbeck, V., and Bautz.)
Beach, Harry L., Coshocton, Ohio. Display case. Des. 62,812; Aug. 7.
Beam, John T., Sulphur, Okla. Tongs. 1,464,232; Aug. 7.
Beatty, William E., Bayside, Long Island, assignor to Western Electric Company, Incorporated, New York, N. Y. Method of and means for secret signaling. 1,464,086; Aug. 7.
Beebe, Albert E., Cathey, N. Dak. Propulsion means for flying machines. 1,464,233; Aug. 7.
Beem, John C., Sawtelle, Calif. Milking machine. 1,464,490; Aug. 7.
Bégot, Louis H. E., Paris, France. Metal-piercing apparatus. 1,464,146; Aug. 7.
Beldam, William R., London, England. Semimetallic packing. 1,464,234; Aug. 7.
Bell, Maurice. (See Agee, Wallace G., assignor.)
Bell, William G., Philadelphia, Pa. Tip for crutches. 1,464,057; Aug. 7.
Benjamin Electric Manufacturing Company. (See Benjamin, Reuben B., assignor.)
Benjamin, Reuben B., assignor to Benjamin Electric Manufacturing Company, Chicago, Ill. Automobile lamp. 1,464,166; Aug. 7.
Bennett, Tom M., Irvington, N. Y. Air-moistener attachment for fans. 1,464,401; Aug. 7.
Benningfield, Thomas, Coats, Kans., assignor of one-third to A. Lancaster, Alva, Okla. Signal. 1,464,058; Aug. 7.
Bent, Leavitt N., Holly Oak, assignor to Hercules Powder Company, Wilmington, Del. Making storage-battery elements. 1,463,864; Aug. 7.
Berczik, John, Daisytown, Pa. Safety railway joint. 1,464,235; Aug. 7.
Bergman, Olof F., Gary, Ind., assignor, by mesne assignments, to J. E McKenna, Antigo, Wis. Can opener. 1,464,167; Aug. 7.
Berman, Morris, assignor to Reliance Metal Spinning & Stamping Company, Brooklyn, N. Y. Socket cover. 1,464,402; Aug. 7.
Berry, Luther T., San Francisco, Calif. Windshield cleaner. 1,464,236; Aug. 7.
Berwick, David, et al. (See Storch, Samuel, assignor.)
Berwick, William H., Syracuse, N. Y. Calculating machine. 1,464,403; Aug. 7.
Besaw, Jerry H., Huntington, Mass. Chain connector. 1,464,195; Aug. 7.
Besson, Frank S., Washington, D. C. Making bituminous paving mixtures. 1,464,488; Aug. 7.
Beverly Lights Corporation. (See Ainsworth, George, assignor.)
Beyer, Henry A., Corona, assignor to Paragon Can & Cap Company, Inc., Brooklyn, N. Y. Metal box. 1,464,237; Aug. 7.
Birnbaum-Shestakoff, Alexander S. (See Shvachka, J. K., and Birnbaum-Shestakoff.)
Blackman, Mabel, assignor of one-half to L. K. Hosier and one-half to E. McKee, New York, N. Y. Record lifter for talking machines. 1,464,023; Aug. 7.

Blair, Robert S., Sound Beach, Conn. Fluid meter. 1,463,865; Aug. 7.
Blekastad, Karl S., Stillwater, Wash. Baby carrier. 1,464,404; Aug. 7.
Bloom, August L., Margie, Minn. Belt buckle. 1,464,144; Aug. 7.
Bloomfield, Sophia P. (See Gray, Everett E., assignor.)
Bobb, John W., Hillsboro, Ohio. Automobile spring. 1,464,238; Aug. 7.
Böhm, Ludwig. (See Ruhland, Max, assignor.)
Boltshauser, Heinrich, Zurich, Switzerland. Steam-turbine-driven locomotive. 1,464,024; Aug. 7.
Bond, Joe, Bessemer, Ala. Barbecue stove. 1,463,935; Aug. 7.
Boosalis, Gus N., et al. (See Simmons, Alfred K., assignor.)
Booth, William T., East Orange, N. J., and W. A. Boyd, Brooklyn, assignors to Western Electric Company, Incorporated, New York, N. Y. Antenna system. 1,464,168; Aug. 7.
Borroughs, Joseph N., Oakland, Calif. Machine for folding towels. 1,463,918; Aug. 7.
Borst, Joseph F. and W., Brooklyn, N. Y. Brush for talking machines. 1,464,405; Aug. 7.
Borst, William. (See Borst, Joseph F. and W.)
Bourbeau, Alfred L., Lawrence, Mass. Automatic window latch. 1,463,866; Aug. 7.
Bowen, Edward J., et al. (See Cable, Henry C., assignor.)
Bowlus, Claude A., Birmingham, Mich. Ignition device. 1,464,307; Aug. 7.
Boyd, John S., and T. F. Boyd, assignors to John S. Boyd Co., Inc., Williamstown, Mass. Textile fabric. Des. 62,813; Aug. 7.
Boyd, John S., Co. (See Boyd, John S., assignor.)
Boyd, Walter A. (See Booth, W. T., and Boyd.)
Boye Needle Company, The. (See Carlson, Gustav A., assignor.)
Boykin, Herbert C. (See Ritchie, O. N., and Boykin.)
Boynton, Alexander, San Antonio, Tex. Bailer. 1,464,259; Aug. 7.
Braddock, Edward L., Winchester, Mass. Gear chain. 1,463,789; Aug. 7.
Bradley, Harry L., assignor, by mesne assignments, to The Reliance Company, Milwaukee, Wis. Pressure rheostat. 1,464,025; Aug. 7.
Braine, Bancroft G., assignor to The Rail Joint Company, New York, N. Y. Splice bar for rail joints. Re15,668; Aug. 7.
Bréchot, Adolphe, Paris, France. Refuse-destructor furnace. 1,463,790; Aug. 7.
Brekelmans, Franciscus J., assignor to Van Dyck Stumpers, Eindhoven, Netherlands. Angle-lath-cutting machine. 1,463,791; Aug. 7.
Brewer-Titchener Corporation, The. (See Winans, Daniel M., assignor.)
Breyer, Frank G., J. P. Hubbell, and D. M. Kerr, Palmerton, Pa., assignors to The New Jersey Zinc Company, New York, N. Y. Roasting sulphide ores. 1,463,887; Aug. 7.
Brink, Carl A. (See Parks, E. F., Brink, and Taylor.)
Brodeur, Magloire, Providence, R. I. Machine for covering tire rings. 1,463,868; Aug. 7.
Brodin, Arvid, Los Angeles, Calif. Reserve carrier for automobiles. 1,463,792; Aug. 7.
Bronnert, Emile, Mulhouse, France. Manufacture of artificial silk. 1,463,793; Aug. 7.
Brown, Mary E. (See Lindsay, Robert F., assignor.)
Brummer, Harold M., New York, N. Y. Garment-securing strap. 1,464,126; Aug. 7.
Bruner, Herbert A. (See Coover, G. B., and Bruner.)
Bruninga, John H., assignor to Standard Heel & Counter Co., St. Louis, Mo. Floor mat. 1,464,026; Aug. 7.
Bryce Brothers Company. (See McCracken, B., and Pirott, assignors.)
Buckham, George T. (See Dawson, A. T., and Buckham.)
Budd, Edward G. Manufacturing Company. (See Lodwinka, Joseph, assignor.)
Bull, George F., et al. (See Starkey, Ernest W., assignor.)
Burg, Carl M., E. Decker and L. C. Le Duc, Midvale, Utah. Gauze and cloth winding machine. 1,464,349; Aug. 7.
Burkart, Harry J., St. Louis, Mo. Mattress tuft. 1,464,196; Aug. 7.
Burt, Franklin T., Omaha, Nebr. Rifle grenade. 1,463,993; Aug. 7.
Butler, Alfred G., Valleyford, Wash. Roof flashing. 1,464,406; Aug. 7.
Butterworth, Frank W., assignor to Western Brick Company, Danville, Ill. Forming texture brick. 1,463,936; Aug. 7.
Butterworth, Frank W., assignor to Western Brick Company, Danville, Ill. Sanded texture brick. 1,463,937; Aug. 7.

Cable, Harry C., assignor to M. L. Sweeney and E. J. Bowen, Los Angeles, Calif. Oil-well casing. 1,464,350; Aug. 7.
Cadwell, Sidney M., Leonia, N. J., assignor to The Naugatuck Chemical Company. Acceleration of vulcanization and products obtained thereby. 1,463,794; Aug. 7.
Calame, Lloyd A., Freeport, Ill. Clutch lock for motor vehicles. 1,464,256; Aug. 7.
Callahan, Henry E., Kearney, Nebr. Apparatus for destroying rodents. 1,464,148; Aug. 7.
Cameron, Daniel R., Vancouver, British Columbia, Canada. Grain door. 1,464,059; Aug. 7.
Campbell, Joseph, near Vanduser, Mo. Double-end hook. 1,464,027; Aug. 7.
Campbell, Layard, New York, N. Y., assignor, by mesne assignments, to Twist Seal Company, Chicago, Ill. Wire-strapping tool. 1,463,869; Aug. 7.
Campbell, Layard, New York, N. Y., assignor, by mesne assignments, to Twist Seal Company, Chicago, Ill. Strap-tightener tool. 1,463,870; Aug. 7.
Campbell, Warden G., Mason City, Ill. Brooder. 1,464,407; Aug. 7.
Carborundum Company, The. (See Geiger, Charles F., assignor.)
Cardwell, Thomas, Sedalia, Mo. Thermostatic steam trap. 1,464,197; Aug. 7.
Carlson, Gustav A., assignor to The Boye Needle Company, Chicago, Ill. Hasp. 1,464,198; Aug. 7.
Carpenter, Warren W., Brooklyn, assignor to Western Electric Company, Incorporated, New York, N. Y. Machine-switching telephone-exchange system. 1,464,087; Aug. 7.
Carroll, Elbert H., assignor to Morgan Construction Company, Worcester, Mass. Clutching mechanism for wire-drawing blocks. 1,464,028; Aug. 7.
Carroll, Stewart J., assignor to Eastman Kodak Company, Rochester, N. Y. Cellulose-ether solvent and composition. 1,464,169; Aug. 7.
Carroll, Stewart J., assignor to Eastman Kodak Company, Rochester, N. Y. Cellulose-ether solvent and composition. 1,464,170; Aug. 7.
Carson, John R., New York, N. Y., assignor to American Telephone and Telegraph Company. Translating circuits. 1,463,795; Aug. 7.
Carson, John R., New York, N. Y., assignor to American Telephone and Telegraph Company. Translating circuits. 1,463,796; Aug. 7.
Carter, William T., Hot Springs, Ark. Microscope attachment. 1,463,938; Aug. 7.
Case, J. I., Threshing Machine Company. (See Caughey, Robert C., assignor.)
Casey, William P., assignor to The Router Manufacturing Company, Oshkosh, Wis. Tool. 1,464,351; Aug. 7.
Caughey, Arnott S. (See Miebach, H. E., and Caughey.)
Caughey, Robert C., Dixon, Ill., assignor, by mesne assignments, to J. I. Case Threshing Machine Company, Racine, Wis. Plowframe. 1,464,199; Aug. 7.
Central Talking Machine Shop. (See Hadley, Walter C., assignor.)
Challenge Refrigerator Company. (See Hillman, Herbert H., assignor.)
Chappell, Arthur E., Waukegan, Ill. Producing simulated longhand-written letters. 1,463,939; Aug. 7.
Charbonneau, Leon A., Laeken, Brussels, Belgium. Optical telegraphy. 1,463,797; Aug. 7.
Chernoff, Ida W., San Francisco, Calif. Container. 1,464,127; Aug. 7.
Chester Machine Co. Inc. (See Augustine, Addison E., assignor.)
Chipperfield, Walter, Hornchurch, England, assignor, by mesne assignments, to A. B. Dick Company, Chicago, Ill. Sheet-feeding mechanism of printing and like machines. 1,464,200; Aug. 7.
Chisolm, Reuben M., New Orleans, La. Game apparatus. 1,463,871; Aug. 7.
Christensen Machine Co. (See Christensen, Martin, assignor.)
Christensen, Martin, assignor to Christensen Machine Co., Racine, Wis. Book-stitching machine. 1,463,940; Aug. 7.
Church, Harold D., Fairfield, assignor to The Locomobile Company, Bridgeport, Conn. Means for heating combustible mixture for internal-combustion engines. 1,464,466; Aug. 7.
Clark, Edgar H. (See Lundell, A. E., and Clark.)
Clark, Henry C., South Norwood, Ohio. Collar hook. 1,464,257; Aug. 7.
Clarke, Thomas H., Newark, N. J., assignor to Shirley Manufacturing Co., Shreveport, La. Ring. Des. 62,859; Aug. 7.
Clary, Burton S., Beverly, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J. Press. 1,463,798; Aug. 7.
Classen, Alexander, Aachen, Germany. Production of glossy metal coatings on metals. 1,464,149; Aug. 7.
Clingman, William H., Chicago, Ill. Transmission mechanism. 1,463,919; Aug. 7.
Cochran, Isaac W., Fremont, Ohio. Molding and metal fastener. 1,464,258; Aug. 7.
Cochran, Royal A. (See Hardy, S. R., and Cochran.)
Cockburn, James B., Falkirk, Scotland. Means for attaching bushes or sockets to platelike bodies by flanging. 1,463,799; Aug. 7.
Coes, Loring, assignor of one-half to Coes Wrench Company, Worcester, Mass. Nut wrench. 1,464,128; Aug. 7.
Coes Wrench Company. (See Coes, Loring, assignor.)
Coffing, Frederick W., Perrysville, Ind. Free-chain hoist. 1,464,259; Aug. 7.
Collier, Shade B., Orlando, Fla. Rotary internal-combustion engine. 1,464,408; Aug. 7.
Colwell, Henry L. (See Hamilton, Walter W., assignor.)

Condit, S. B., jr. (See Greenwood, Talma T., assignor.)
Conlon Corporation. (See Anderson, C. F., and Knapp, assignor.)
Conn, Norman, Minneapolis, Minn. Temperature-indicating apparatus for tire vulcanization. 1,463,872; Aug. 7.
Consolidated Car-Heating Company. (See Hynes, Lee P., assignor.)
Coogan, Charles E. (See Farrell, R. C., and Coogan.)
Cook Electric Company. (See Folds, George R., assignor.)
Cook, Roy J., assignor to G. C. Murray, Chicago, Ill. Frictional draft gear. 1,463,873; Aug. 7.
Cooklin, Isaac, Liverpool, England. Extensible table. 1,464,409; Aug. 7.
Coonan, Thomas, Washington, D. C. Faucet. 1,463,800; Aug. 7.
Coover, George B., and H. A. Bruner, Lamar, Colo. Supporting means for steam-pressing machines. 1,464,260; Aug. 7.
Copony, Alfred, Mount Clemens, and F. Ziganek, Detroit, Mich. Universal support. 1,464,308; Aug. 7.
Corbett, George E., Brooklyn, assignor to J. F. Newman, Inc., New York, N. Y. Badge. Des. 62,814; Aug. 7.
Corenson, Abe, Los Angeles, Calif. Headdress for a doll. Des. 62,860; Aug. 7.
Cosgrove, John W., Medford, and G. J. Julian, Beverly, Mass., assignors to United Shoe Machinery Corporation, Paterson, N. J. Coating apparatus. 1,463,801; Aug. 7.
Coughtrie, Oliver, Deal, England. Device for use in practicing the game of golf and other games and for like purposes. 1,464,029; Aug. 7.
Cowles, C., and Company. (See Gates, Louis W., assignor.)
Cox, Chester R., Berkeley, Calif. Built-in disappearing furniture. 1,464,352; Aug. 7.
Cranage, Harry B., assignor of four-tenths to L. Fox, Leeds, England. Ironing machine for pressing seams of clothing. 1,464,030; Aug. 7.
Crinella, Frank L., Virginia, Minn. Posthole-digging outfit. 1,464,353; Aug. 7.
Crisenberry, Benjohn F., Kokomo, Ind. Feed valve. 1,464,060; Aug. 7.
Crisp, Joseph R., assignor of one-half to A. L. Epps, Almond, N. C. Level. 1,464,467; Aug. 7.
Crittall Casement Window Co. (See Walker, Thomas E., assignor.)
Croyle, William L., Hellwood, Pa. Trap. 1,463,874; Aug. 7.
Croyle, William L., Hellwood, Pa. Swatter. 1,463,875; Aug. 7.
Cullen, Thomas F., Dayton, Ohio. Assembling tool. 1,464,129; Aug. 7.
Cumfer, Harry A., Chicago, Ill., assignor to Guyton & Cumfer Mfg. Co. Sheet-slotting structure. 1,464,309; Aug. 7.
Cummings, George C., East Orange, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y. Electromagnetic device. 1,464,088; Aug. 7.
Curnan, Frank W., Derby, Conn. Envelope fastener. 1,464,240; Aug. 7.
Cushman, Delbert W., Fremont, Ohio. Automobile rug. 1,464,061; Aug. 7.
Cusimano, Philip, Los Angeles, Calif. Cutting device. 1,463,941; Aug. 7.

Daiger, Charles V., Newton, Mass. Display fixture. 1,464,241; Aug. 7.
Daly, Glenn L., Denver, Colo. Floor-scrubbing machine. 1,464,031; Aug. 7.
Daniels, Lee G., Rockford, Ill. Automatic multiple-spindle metal-working machine. 1,464,062; Aug. 7.
Daniels, Lee G., Rockford, Ill. Automatic multiple-spindle machine. 1,464,063; Aug. 7.
Davis, Hiram, Camden, N. J. Workholder. 1,464,064; Aug. 7.
Dawley, James S., New York, N. Y. Preparing films for kinetoscopes. 1,463,802; Aug. 7.
Dawson, Arthur T., and G. T. Buckham, Westminster, London, assignors to Vickers Limited, London, England. High-angle ordnance. 1,464,171; Aug. 7.
Dawson, James, Belt, Mont. Backstop for vehicles. 1,464,410; Aug. 7.
Daymon, Freet A., et al. (See De Loe, Edward G., assignor.)
Daynix, John C., Philadelphia, Pa. Projectile. 1,464,032; Aug. 7.
Dayton Engineering Company, The. (See Hunt, John H., assignor.)
Deagan, J. C., Inc. (See Little, Frederick B., assignor.)
De Cew, Judson A., assignor to Process Engineers, Inc., New York, N. Y. Sizing solution and making the same. 1,464,310; Aug. 7.
Decker, Ammiel F., Pelham, N. Y. Printer's blanket. 1,464,242. Aug. 7.
Decker, Ernest. (See Burg, C. M., Decker, and Le Duc.)
De Dietrich & Cie. (See de Dietrich, Frédéric, assignor.)
De Dietrich, Frédéric, Paris, assignor to de Dietrich & Cie., Niederbronn-les-Bains, Bas-Rhin, France. Stirring apparatus. 1,464,150; Aug. 7.
De Laval Steam Turbine Company. (See Peterson, Arvid, assignor.)
Delco Light Company. (See Kettering, Charles F., assignor.)
De Loe, Edward G., assignor of one-half to G. W. Longbrake, one-sixth to O. L. Longbrake, and one-third to F. A. Daymon, Cleveland, Ohio. Snubber. 1,463,876; Aug. 7.
Denver Rock Drill Manufacturing Company, The. (See Scheib, Peter H., assignor.)
De Witt, William P., Somerville, Mass. Pencil with adjustable lead. 1,463,803; Aug. 7.
Dick, A. B., Company. (See Chipperfield, Walter, assignor.)
Dickinson, George A., Davenport, Iowa. Adjustable sash weight. 1,463,877; Aug. 7.
Dickinson, Thomas A., Youngstown, Ohio. Antitheft device for electric-lamp bulbs. 1,464,243; Aug. 7.
Dickover, Charles W., and E. W. Henry, Tomah; said Dickover assignor to R. A. Garman and A. W. McMullen, Monroe County, Wis. Motor-repair stand. 1,464,065; Aug. 7.
Di Genova, Egidio O., Rome, Italy. Tightening device for driving belts. 1,464,411; Aug. 7.
Dillon, Frank, Spiceland, Ind. Shade roller. 1,464,412; Aug. 7.
Dobschutz, John B., St. Louis, Mo. Self-filling lead pencil. 1,463,878; Aug. 7.
Dodson, Arvy B., Longton, Kans. Trap. 1,464,261; Aug. 7.
Doe, Walter S., Kent, Ohio. Renewable primary dry-cell battery. 1,464,413; Aug. 7.
Douglas, Harry A., Bronson, Mich. Electrical connector. 1,464,468; Aug. 7.
Douglas, Harry A., Bronson, Mich. Internal-combustion engine. 1,464,469; Aug. 7.
Downing, Wellington, Erie, Pa. Folding machine. 1,463,879; Aug. 7.
Doxford, Robert P. (See Keller, Karl O., assignor.)
Dräger, Alexander B., Lubeck, Germany. Pressure-gauge connection. 1,463,804; Aug. 7.
Drake, Percy L., assignor to C. W. Mills, Providence, R. I. Alarm valve. 1,464,244; Aug. 7.
Draper Corporation. (See Hook, James H., assignor.)
Draper Corporation. (See Rhoades, Alonzo E., assignor.)
Drummond, Walter W., Fort Collins, Colo. Electric controlling device. 1,464,470; Aug. 7.
Drury, William, Hammersmith, London, England. Air tube and shock absorber for resilient wheels for vehicles. 1,464,033; Aug. 7.
Ducsay, Stephen, Canonsburg, Pa. Corn and stalk cutting implement. 1,464,354; Aug. 7.
Dusinberre, George B., Wellsboro, Pa. Clip. 1,464,151; Aug. 7.
Dwight, Lobe, Kansas City, Kans. Grave protector. Des. 62,815; Aug. 7.
Eastman Kodak Company. (See Carroll, Stewart J., assignor.)
Eastman Kodak Company. (See Seel, Paul C., assignor.)
Eaton, Richard M., Niagara Falls, N. Y., assignor, by mesne assignments, to A. L. Schellhammer. Electric lamp. 1,464,302; Aug. 7.
Eberhard Faber Pencil Company. (See Faber, Lothar W., assignor.)
Eckstein, Henry G., jr. (See Morinsky, Louis, assignor.)
Ehret, Cornelius D. (See Kolster, Frederick A., assignor.)
Ellefson, Ellef, Appleton, Wis. Pulp breaker. 1,463,942; Aug. 7.
Ellis, Carleton, Montclair, N. J., assignor, by mesne assignments, to S. B. Hunt, trustee, Mount Kisco, N. Y. Making useful products from by-product still gases and gases from cracking operations. 1,464,153; Aug. 7.
Ellis, Carleton, Montclair, N. J., assignor, by mesne assignments, to S. B. Hunt, trustee, Mount Kisco, N. Y. Utilizing gaseous unsaturated hydrocarbons. 1,464,152; Aug. 7.
Elmer, James E., Prescott, Ariz. Pencil holder. 1,464,066; Aug. 7.
Eppenstein, Irving B., assignor to Illinois Watch Case Company, Elgin, Ill. Compact container. 1,464,355; Aug. 7.
Epps, A. L. (See Crisp, Joseph R., assignor.)
Equipment Devices Company. (See Hauf, George F., assignor.)
Erikson, Einar B., assignor to B. Johnsen, Brooklyn, N. Y. Rack for towels, etc. 1,464,311; Aug. 7.
Ernest, Richard, New York, N. Y. Plastic hair work and constructing same. 1,464,089; Aug. 7.
Erwin, Reiman G. (See Henderson, G. A., and Erwin.)
Evans, Alexander H., assignor of one-half to Edward G. Herbert Limited, Manchester, England. Hack saw and band saw as used for cutting metals. 1,463,880; Aug. 7.
Evans, Raymond R. (See O'Neil, A. S., and Evans.)

Faber, Lothar W., New York, N. Y., assignor to Eberhard Faber Pencil Company. Display stand for pencils or the like. 1,463,805; Aug. 7.
Fagan, C. A., et al., receivers. (See Jones, Pearl N., assignor.)
Fahrenwald, Frank A., Cleveland, Ohio. Electrical resistance element. 1,464,312; Aug. 7.
Fairbairn Lawson Combe Barbour Limited. (See Ryan, John W., assignor.)
Fairburn, Charles E., London, England. Controller for electric motors. 1,464,245; Aug. 7.
Fallon, Bernard J., Chicago, Ill. Guard-rail chair. 1,463,943; Aug. 7.

Fantz, Franklin E., Muncie, Ind. Automatic fishing pole. 1,464,067; Aug. 7.

Farmer, James, Nottingham, England. Manufacture of twist-lace net. 1,464,034; Aug. 7.

Farrell, Rose C., and C. E. Coogan, assignors to E. E. Olcott, New York, N. Y. Process and product of preparing stearate of zinc for use in relieving prickly heat, etc. 1,463,881; Aug. 7.

Farrow, Willard M., sr. (See Stocking, F. H., and Farrow.)

Faunce, Ira, Racine, Wis. Saw set and clamp. 1,464,172; Aug. 7.

Fawick, Thomas L., assignor to Twin Disc Clutch Company, Racine, Wis. Friction clutch. 1,464,173; Aug. 7.

Fayle, William H., Malden, Mass. Display stand or similar article. Des. 62,816; Aug. 7.

Federal Phosphorus Company. (See Klugh, Bethune G., assignor.)

Fedoryszak, Peter, Wallingford, Pa. Flying machine. 1,464,356; Aug. 7.

Fellows, Edwin R., assignor to The Fellows Gear Shaper Company, Springfield, Vt. High-speed gear-generating machine. 1,463,806; Aug. 7.

Fenzel, Albert S., et al. (See Waite, Jackson L., assignor.)

Fenzel, Casper, et al. (See Waite, Jackson L., assignor.)

Ferguson, Harry, Belfast, Ireland. Means for coupling agricultural implements. 1,464,130; Aug. 7.

Ferguson, John E. (See Whitmore, J. B., and Ferguson.)

Ferrodeshertleuse Scheuchzer Societe Anonyme. (See Scheuchzer, Auguste, assignor.)

Fiber Making Processes. (See Guettler, Herbert, assignor.)

Field, Joseph C., East Orange, N. J., and C. J. McCarthy, Elmhurst, assignors to Western Electric Company, Incorporated, New York, N. Y. Signalling system. 1,464,090; Aug. 7.

Fellows Gear Shaper Company, The. (See Fellows, Edwin R., assignor.)

Finch, Evander M., assignor of one-half to J. H. McCarthy, Whitehall, N. Y. Child's vehicle. 1,464,414; Aug. 7.

Finkl, A., & Sons Company. (See Finkl, William F., assignor.)

Finkl, William F., assignor to A. Finkl & Sons Company, Chicago, Ill. Air-hardening steel alloy. 1,464,174; Aug. 7.

Fish, Frank M., Beloit, Wis. Lock. 1,464,262; Aug. 7.

Fishleigh, Walter T., assignor to Ford Motor Company, Detroit, Mich. Tractor attachment. 1,463,944; Aug. 7.

Fitz-Empire Double Pivot Last Company. (See Helmer, C. H., and Wehrung, assignors.)

Folds, George R., Evanston, assignor to Cook Electric Company, Chicago, Ill. Protective device. 1,463,945; Aug. 7.

Fondiller, William, assignor to Western Electric Company, Incorporated, New York, N. Y. Treatment of magnetic materials. 1,463,807; Aug. 7.

Fontana, Domenico P., New York, N. Y. Attachment for lathes. 1,464,415; Aug. 7.

Ford Instrument Company, Inc., The. (See Makaroff, Wadim S., assignor.)

Ford Motor Company. (See Fishleigh, Walter T., assignor.)

Ford Motor Company. (See Galamb, Joseph, assignor.)

Ford Motor Company. (See Groven, Fredrick J., assignor.)

Ford, William H. D., assignor to Western Electric Company, Incorporated, New York, N. Y. Electromagnetic device. 1,464,091; Aug. 7.

Forder, Milton, Thief River Falls, Minn. Timer for automobiles. 1,464,383; Aug. 7.

Fording, William G., Cleveland, Ohio. Steering-wheel lock for motor vehicles. 1,464,175; Aug. 7.

Forrester, Samuel C., assignor to Fulton Bag & Cotton Mills, Atlanta, Ga. Fastening device for flexible printing plates. 1,464,068; Aug. 7.

Forsberg, Erik A., assignor to Aktiebolaget Separator, Stockholm, Sweden. Liquid-discharge means in bowls of centrifugal separators. 1,464,416; Aug. 7.

Foster, James D. (See Koester, W. J., and Foster.)

Fox, Ansley H., assignor to Fox Motor Car Company, Philadelphia, Pa. Air-cooling system for engines of motor vehicles. 1,464,357; Aug. 7.

Fox, Louis. (See Cranage, Harry B., assignor.)

Fox Motor Car Company. (See Fox, Ansley H., assignor.)

France, Antoine, Liege, Belgium. Apparatus for washing and sorting coal and other minerals. 1,464,035; Aug. 7.

Franklin, Isaac, Baltimore, Md. Crab-net frame. 1,464,092; Aug. 7.

Freeman, Nat H., Holborn, London, England. Distilling apparatus. 1,464,246; Aug. 7.

French, James H., E. J., and W. B., Defiance, Ohio, assignors of one-half to said E. J. French, one-fourth to said W. B. French and one-fourth to James H. French. Portable mortiser. 1,463,808; Aug. 7.

French, William B. (See French, James H., E. J., and W. B.)

Freund Bros. & Co. (See Freund, Max, assignor.)

Freund, Max, assignor to Freund Bros. & Co. Inc., New York, N. Y. Combined hand bag and vanity box. 1,464,176; Aug. 7.

Friedlander, Isidor, Newark, N. J. Vapor or hot-air bath. 1,464,093; Aug. 7.

Friedrich, Adolph, New York, N. Y. Amusement device. 1,464,201; Aug. 7.

Fritz, Joseph, San Francisco, Calif. Metallic brush cleaner. 1,463,809; Aug. 7.

Fuller, Morris H., assignor to Service Station Equipment Company, Chicago, Ill. Combination work and power stand. 1,463,882; Aug. 7.

Fulton Bag & Cotton Mills. (See Forrester, Samuel C., assignor.)

Gaines, Frederick F., Savannah, Ga. Car-coupler-positioning device. 1,464,247; Aug. 7.

Galamb, Joseph, Detroit, assignor to Ford Motor Company, Highland Park, Mich. Timer for ignition systems for internal-combustion engines. 1,463,946; Aug. 7.

Gardiner, Joseph M., Baltimore, Md. Loose-leaf binder. 1,464,313; Aug. 7.

Gardner, Henry A., Washington, D. C. Coated or impregnated body and preparing the same. 1,463,884; Aug. 7.

Gardner, Henry A., Washington, D. C. Reaction product of tung oil and a dechlorinated oil and making same. 1,463,885; Aug. 7.

Gardner, Newton C., Cairo, Ill. Choke rod. 1,464,263; Aug. 7.

Garland, William, Clinton, Mass. Circle divider. 1,464,417; Aug. 7.

Garman, R. A., et al. (See Dickover, C. W., and Henry, assignors.)

Gary, Clarence E., Syracuse, N. Y. Internal-combustion engine. 1,464,384; Aug. 7.

Gates, John C., Indianapolis, Ind. Game apparatus. 1,464,314; Aug. 7.

Gates, Louis W., assignor to C. Cowles and Company, New Haven, Conn. Locking handle for vehicle doors. 1,464,315; Aug. 7.

Gates, William H., New Haven, Conn. Die head. 1,464,177; Aug. 7.

Gaudie, Herbert J. (See Kirton, C., and Gaudie.)

Gazda, Adolph A., assignor to Kaestner & Hecht Company, Chicago, Ill. Control system. 1,463,947; Aug. 7.

Geiger, Charles F., Perth Amboy, N. J., assignor to The Carborundum Company Niagara Falls, N. Y. Muffle furnace. 1,464,248; Aug. 7.

Geimer, Albert A., St. Louis, Mo. Belt box. 1,463,948; Aug. 7.

General Electric Company. (See Luckiesh, Matt, assignor.)

General Electric Company. (See Whitaker, Frank P., assignor.)

General Explosives Company. (See Sturgis, William B., assignor.)

George, W. D., et al., receivers. (See Jones, Pearl N., assignor.)

George, W. D., et al., receivers. Garment fastener or holding device. 1,463,949; Aug. 7.

Gerber, Evelyn, Chicago, Ill. Oil-tube cleaner. 1,464,069; Aug. 7.

Getz, Benjamin E., Morton, Ill. Driving mechanism for washing machines. 1,464,471; Aug. 7.

Gibbons, James. (See Stein, Frederick W., assignor.)

Gibbs, Carl A., Los Angeles, and F. A. Sawyer, Santa Monica, Calif. Shutter for motion-picture machines. 1,464,472; Aug. 7.

Gilden, Abraham J., Brooklyn, N. Y. Automatic gas cut-off. 1,464,418; Aug. 7.

Gill, Walter K., Walker Springs, Ala. Liquid container. 1,464,419; Aug. 7.

Gillespie, Alexander J., Cleveland, Ohio. Antifriction bearing. 1,464,316; Aug. 7.

Gilman, George H., Claremont, N. H., and P. A. Haines, River Mines, Mo., assignors to Sullivan Machinery Company, Boston, Mass. Drilling apparatus. 1,464,486; Aug. 7.

Gilpin, Garth G., Riverside, assignor to Union Metal Products Company, Chicago, Ill. Dump-car door. 1,464,317; Aug. 7.

Gilson, Albert F. F., Norwood, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y. Head set. 1,463,810; Aug. 7.

Gish, Lizzie, Modesto, Calif. Douche table. 1,464,420; Aug. 7.

Glanschnig, Ignatz, Gary, Ind., assignor of one-half to F. E. Hummel, Chicago, Ill. Air motor. 1,464,070; Aug. 7.

Globe-Wernicke Co. (See Ringler William A., assignor.)

Glover, William C., Eldorado, Kans. Gasoline purifier. 1,464,071; Aug. 7.

Gnoinsky, Michael, Zceland N. Dak. Animal trap. 1,464,358; Aug. 7.

Goldberger, Max, Kansas City, Mo. Sample rack. 1,463,950; Aug. 7.

Goodger, Albert E., London, England. Crane for vehicles, trucks, and the like. 1,464,131; Aug. 7.

Goodwin, Hall, Chicago, Ill. Cartridge fuse. 1,463,885; Aug. 7.

Gordon, William F., and E. W. Keith, Denver, Colo. Hydrometallurgical process of ore treatment. 1,464,036; Aug. 7.

Gowran, Harry C., assignor to The Hamilton Manufacturing Company, Two Rivers, Wis. Hanger. 1,464,178; Aug. 7.

Gramowski, Anthony, St. Joseph, Mo. Chimney and pipe cleaner. 1,464,249; Aug. 7.

Gray, Everett E., assignor to S. P. Bloomfield, Los Angeles, Calif. Cabinet. Des. 62,817; Aug. 7.

Green Engineering Company. (See Poppenhusen, Herman A., assignor.)

Greenwood, Talma T., East Templeton, assignor to S. B. Condit, jr., Brookline, Mass. Retarding device for time-limit relays. 1,464,478; Aug. 7.

Griswold, Frederick C., assignor to O. A. Griswold, Port Jefferson, N. Y. Film scraper. 1,464,264; Aug. 7.

Griswold, Frederick C., assignor to O. A. Griswold, Port Jefferson, N. Y. Film splicer. 1,464,265; Aug. 7.

Griswold, Olive A. (See Griswold, Frederick C., assignor.)

Grosvenor, John E., Corbett, and W. T. Pickling, Kidderminster, England. Loom for weaving velvet pile carpets and other pile fabrics. 1,463,886; Aug. 7.

Groven, Frederick J., assignor to Ford Motor Company, Highland Park, Mich. Electrical heating unit. 1,463,951; Aug. 7.

Guettler, Herbert, Escanaba, Mich., assignor, by mesne assignments, to Fiber Making Processes, Chicago, Ill. Barking apparatus. 1,463,887; Aug. 7.

Guignard, Edwin M. F., Shanghai, China, assignor to Underwood Typewriter Company, New York, N. Y. Typewriting machine. 1,463,811; Aug. 7.

Guillon, Henri, Montrouge, France. Driving belt and the like. 1,463,812; Aug. 7.

Guyer, Hans, and E. Rliegger, assignors to Aktiengesellschaft der Maschinenfabriken Escher Wyss & Cie., Zurich, Switzerland. Refrigerating machine. 1,464,277; Aug. 7.

Guyton & Cumfer Mfg. Co. (See Cumfer, Harry A., assignor.)

H. & N. Carburetor Co. Inc. (See Mladinich, Frank, assignor.)

Haar, Adam, Saginaw, Mich. Weather vane. Des. 62,818; Aug. 7.

Hadley, Walter C., assignor to Central Talking Machine Shop, Inc., New York, N. Y. Juvenile blocks. 1,464,421; Aug. 7.

Hagerman, Charles H. (See Kelley, George W., assignor.)

Haggardt, Fred L., Twin Falls, Idaho. Socket wrench. 1,464,132; Aug. 7.

Hagle, John L. (See Avenson, L. M., and Hagle.)

Haines, Peter A. (See Gilman, G. H., and Haines.)

Hall, Charles W., Larchmont, N. Y. Aircraft fitting. 1,463,888; Aug. 7.

Hall, Thomas W., Torrington, Conn. Overhead-arm support for milling machines. 1,464,266; Aug. 7.

Hall, William C., Greenville, S. C. Weighing machine. 1,464,422; Aug. 7.

Halleck, Frank A., Oak Park, Ill., assignor to Sullivan Machinery Company. Forging mechanism. 1,464,094; Aug. 7.

Hamilton Manufacturing Company, The. (See Gowran, Harry C., assignor.)

Hamilton, Walter W., Woburn, assignor of one-half to H. L. Colwell, Lowell, Mass. Cover for set tubs. 1,463,952; Aug. 7.

Hammond, John H., jr., Gloucester, Mass. System for the transmission and reception of radiant energy. 1,463,994; Aug. 7.

Hancock, Edmund W., assignor to Western Electric Company, Incorporated, New York, N. Y. Telephone-exchange system. 1,464,072; Aug. 7.

Hanson, Byron L., Chicago, Ill. Automatic drifting device for locomotives. 1,464,278; Aug. 7.

Hanson, Haus A., assignor to F. Lott, Eau Claire, Wis. Gear shift. 1,464,037; Aug. 7.

Hanson, Hans A., assignor of forty-five one-hundredths to F. Lott, Eau Claire, Wis. Gear shift. 1,464,038; Aug. 7.

Hanson, Milton E., Baltimore, Md., assignor to F. W. Jefferson, trustee, Short Hills, N. J. Vehicle wheel. 1,464,479; Aug. 7.

Hardoncourt, Arthur, jr., Richmond Hill, N. Y. Clay shingle block and wall construction. 1,464,423; Aug. 7.

Hardy, Samuel R., and R. A. Cochran, Dayton, Tex. Automatic brake-setting device. 1,464,039; Aug. 7.

Harrington, John F., assignor to Hutchinson Egg Case Filler Company, Hutchinson, Kans. Salt-pouring spout. 1,464,073; Aug. 7.

Harris, Jonathan W., Montclair, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y. Electron-emitting cathode and manufacturing the same. 1,463,813; Aug. 7.

Harrison, Frederick R., Minneapolis, Minn. Chain-link construction. 1,464,267; Aug. 7.

Hart, Frederick A., New Britain, Conn., assignor to Remington Accounting Machine Corporation, New York, N. Y. Calculating machine. 1,464,095; Aug. 7.

Hartley, Ralph V. L., East Orange, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y. Secret signaling. 1,464,096; Aug. 7.

Hartman, Louis H., Pittsburgh, Pa. Puzzle. 1,464,424; Aug. 7.

Hartman, William H., assignor to Randall Control and Hydrometric Corporation, Los Angeles, Calif. Hydraulic-elevator-control system. 1,463,995; Aug. 7.

Hartzell, Noble M., Philadelphia, Pa. Conductor flue for furnaces. 1,464,385; Aug. 7.

Hassell, William W. (See Smith, Arthur C., assignor.)

Hauf, George F., Chicago, Ill., assignor, by mesne assignments, to Equipment Devices Company. Feed trough. 1,464,202; Aug. 7.

Hauf, George F., Chicago, Ill. Method of and means for making adjustable elbows. 1,464,318; Aug. 7.

Haverly, Jerome, Oakland, Calif. Mercury separator. 1,463,996; Aug. 7.

Hawkes, Albert S., Rotorua, New Zealand. Flycatcher. 1,464,103; Aug. 7.

Hazel-Atlas Glass Company. (See Ingram, Alfred and H., assignors.)

Hearn, Denmark H. (See Hearn, Hiram S. and D. H.)

Hearn, Hiram S. and D. H., Denver, Colo. Direction signal for motor vehicles. 1,463,997; Aug. 7.

Hebenstreit, Edward H., Nokomis, Ill. Railway switch. 1,464,040; Aug. 7.

Hedger, Ward E., Waupun, Wis. Safety valve and pressure indicator for automobile tires. 1,464,425; Aug. 7.

Helsing, Raymond A., East Orange, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y. Two-way-signaling system. 1,464,097; Aug. 7.

Helland, Sigurd H., assignor to Whitin Machine Works, Whitinsville, Mass. Detaching motion for combing machines. 1,464,098; Aug. 7.

Helmer, Charles H., and J. Wehrung, Rochester, N. Y., assignors to Fitz-Empire Double Pivot Last Company, Auburn, Me. Last. 1,463,814; Aug. 7.

Hemmerdinger, Henry, Brooklyn, N. Y. Rolled belt lacing. 1,464,426; Aug. 7.

Hempy, George L., Truro Township, Franklin County, Ohio. Infant's crib. 1,463,953; Aug. 7.

Henderson, George A., Charleston, W. Va. Bituminous mastic and making and applying the same. 1,464,481; Aug. 7.

Henderson, George A., Charleston, W. Va. Bituminous concrete. 1,464,482; Aug. 7.

Henderson, George A., Charleston, and R. G. Erwin, St. Albans, W. Va. Pitch cement and making the same. 1,464,480; Aug. 7.

Henry, Earl W. (See Dickover, C. W., and Henry.)

Herbert, Edward G., Limited. (See Evans, Alexander H., assignor.)

Hercules Powder Company. (See Bent, Leavitt N., assignor.)

Herlihy, George E., New York, N. Y. Advertising device. 1,464,099; Aug. 7.

Herz, Ferdinand M., New York, N. Y. Belt. Des. 62,819; Aug. 7.

Hess, Charles W., Evanston, Ill. Food product and preparing the same. 1,463,954; Aug. 7.

Hesson, William W., Toronto, Ontario, Canada. Tobacco pipe. 1,464,359; Aug. 7.

Hetherington, John, and Sons Limited. (See Horridge, James, assignor.)

Hewitt, Spurgeon, Bridgeport, Conn. Screen-door brace. 1,464,427; Aug. 7.

Heylandt, Paul, Sudende, near Berlin, Germany. Device for supplying oxygen. 1,464,319; Aug. 7.

Hickok Manufacturing Company. (See Mix, Edwin S., assignor.)

Hicks, William D., Inglewood, Calif. Machine and method for manufacturing lath board. 1,464,360; Aug. 7.

Higbee, George A. (See Stark, D. P., and Higbee.)

Hill, David L., Rochester, N. Y. Smoking pipe. 1,464,361; Aug. 7.

Hillman, Herbert H., assignor to Challenge Refrigerator Company, Grand Haven, Mich. Refrigerator. 1,463,889; Aug. 7.

Hindley, Charles T., New York, N. Y. Musical-instrument support. 1,464,279; Aug. 7.

Hindmarsh, Percy J., Lincoln, Nebr., assignor to The American Steel and Wire Company of New Jersey, Hoboken, N. J. Driving cap for fenceposts. Re15,669; Aug. 7.

Hinrichsen, Edward E., assignor to WesternElectric Company, Incorporated, New York, N. Y. Telephone system. 1,463,815; Aug. 7.

Hippenmeyer, Irving R., and C. Skidd, Janesville, Wis., assignors, by mesne assignments, to The H. H. Miller Industries Company, Canton, Ohio. Bottle filling and capping machine. 1,463,998; Aug. 7.

Hirschy, Herman C., Duluth, Minn. Washing machine. 1,464,362; Aug. 7.

Hirsig, A. H., et al. (See Steuart, Gordon R., assignor.)

Hjort, Johannes E., Copenhagen, Denmark. Mortise lock. 1,464,473; Aug. 7.

Hogarty, Leo J., Brooklyn, N. Y. Combined depth and height gauge. 1,464,428; Aug. 7.

Höhn, Wilhelm, Stuttgart, Germany. Stapling device. 1,463,890; Aug. 7.

Holcomb, Henry I., Centerville, S. Dak. Trolling spoon. 1,464,041; Aug. 7.

Holley, Clarence M., assignor to Utility Compressor Company, Detroit, Mich. Artificial refrigerating unit. 1,463,999; Aug. 7.

Hollister, William C., et al. (See Steuart, Gordon R., assignor.)

Homans, Thomas S., assignor to Intertype Corporation, Brooklyn, N. Y. Galley for typographical machines. 1,464,483; Aug. 7.

Homer, Joseph, Boston, Mass. Dental articulator or relator. 1,464,474; Aug. 7.

Honold, Gottlob F., assignor to Honold Manufacturing Company, Sheboygan, Wis. Bathtub leg. 1,463,955; Aug. 7.

Honold Manufacturing Company. (See Honold, Gottlob F., assignor.)

Hook, James H., Corsicana, Tex., assignor to Draper Corporation, Hopedale, Mass. Drag roll for looms. 1,464,484; Aug. 7.

Hooper, Joseph C., Wrightsville Beach, N. C. Reel seat. 1,464,154; Aug. 7.

Hoover, David L., Huntsville, Ala. Advertising clock. 1,464,475; Aug. 7.

Hopedale Manufacturing Company. (See Northrop, Jonas, assignor.)

Hopta, Joseph. (See Baumann, G., and Hopta.)

Horne, William H., Portsmouth, N. H. Shank support for shoes. 1,464,363; Aug. 7.

Horridge, James, Bolton, assignor to John Hetherington and Sons Limited, Manchester, England. Combing machine. 1,463,816; Aug. 7.

Horton, Lyman B., Olean, N. Y. Tractor or the like. 1,463,817; Aug. 7.

Harwich Stamping Company. (See Loew, Oscar A., assignor.)

Horwitt, Paul H., assignor, by mesne assignments, to Independent Paper Mills, Inc., Brooklyn, N. Y. Holder for sheets arranged in piles. 1,464,074; Aug. 7.

Hosier, Lillian K., et al. (See Blackman, Mabel, assignor.)

Hottmann, Charles W., Philadelphia, Pa. Apparatus for feeding sulphur dioxide or other materials in a fluid or gaseous condition. 1,463,818; Aug. 7.

Howarth, Jonas, Newark, N. J. Filter cap for centrifugal clarifiers. 1,464,179; Aug. 7.

Hoy, Heber, Parkersburg, W. Va. Chain fastener. 1,464,134; Aug. 7.

Hubbell, John P. (See Breyer, F. G., Hubbell, and Kerr.)

Hudson, David W., Green Bay, Wis. Napkin-dispensing device. 1,464,180; Aug. 7.

Hull, Nelson Y., Plainfield, N. J. Eye-exercising device. 1,464,075; Aug. 7.

Hummel, Frederick E. (See Glanschnig, Ignatz, assignor.)

Humphreville, Edwin, Lancaster, Pa. Collapsible baby walker. 1,463,819; Aug. 7.

Humphreville, Edwin, Lancaster, Pa. Collapsible baby walker. 1,463,820; Aug. 7.

Hunt, James B., Avera, Miss. Band-saw guide. 1,464,042; Aug. 7.

Hunt, John H., Dayton, Ohio, assignor to The Dayton Engineering Company. Ignition system. 1,463,956; Aug. 7.

Hunt, Seth B., trustee. (See Ellis, Carleton, assignor.)

Hunter, Edgar, Ossian, Ind. Rim breaker. 1,463,891; Aug. 7.

Hunter, William C., Montreal, Quebec, Canada. Brake slack adjuster. 1,463,821; Aug. 7.

Hurst, Wilfred, Norwood, Mass. Boring mill for air-pump cylinders. 1,464,060; Aug. 7.

Hutchinson Egg Case Filler Company. (See Harrington, John F., assignor.)

Hutchinson, Richard A., Kennilworth, assignor to R. E. Wilson, Belleville, N. J. Needle-pointing machine. 1,464,203; Aug. 7.

Hutchison, Maurice F., assignor to Hutchison Regulator Company, Herndon, Va. Automatic damper regulator. 1,464,100; Aug. 7.

Hutchison Regulator Company. (See Hutchison, Maurice F., assignor.)

Hynes, Lee P., assignor to Consolidated Car-Heating Company, Albany, N. Y. Electric heater. 1,464,280; Aug. 7.

Iddings, Roscoe C., Dayton, Ohio. Holder for fire extinguishers. 1,464,001; Aug. 7.

Illinois Watch Case Company. (See Eppenstein, Irving B., assignor.)

Independent Paper Mills, Inc. (See Horwitt, Paul H., assignor.)

Ingram, Alfred and H., Brooklyn, N. Y., assignors, by mesne assignments, to Hazel-Atlas Glass Company, Wheeling, W. Va. Closure for jars, tumblers, and other receptacles. 1,463,892; Aug. 7.

Ingram, Harry. (See Ingram, Alfred and H.)

Ingram, Walter M., Baltimore, Md. Joint. 1,464,386; Aug. 7.

Interlocking Construction Corporation. (See Pipitone, Charles, assignor.)

International Silver Company. (See Kintz, Robert R., assignor.)

International Time Recording Company of New York. (See Odell, George W., assignor.)

Intertype Corporation. (See Homans, Thomas S., assignor.)

Isley, George H., assignor to Morgan Construction Company, Worcester, Mass. Method of and apparatus for reversing and controlling regenerative furnaces. 1,464,002; Aug. 7.

Ittel, William D., Houston, Tex. Wrench. 1,463,822; Aug. 7.

Ivie, Emory M., Atlanta, Ga. Truck frame for railway cars. 1,463,893; Aug. 7.

Jackson, Patrick T., Cambridge, assignor to Paper Products Machine Company, Boston, Mass. Composite fabric. 1,464,155; Aug. 7.

Jaffe, Joseph S., New Haven, Conn., assignor of one-half to A. E. Levenson, New York, N. Y. Marble shooter. 1,463,894; Aug. 7.

James, George H., assignor to American Engineering Company, Philadelphia, Pa. Stockless anchor. 1,464,364; Aug. 7.

Jameson, Thomas H., and L. G. Martin, Wichita, Kans. Fuel vaporizer for internal-combustion motors. 1,463,920; Aug. 7.

Jay, William H., Mobridge, S. Dak. Combination lock. 1,464,281; Aug. 7.

Jefferson, Floyd W., trustee. (See Hanson, Milton E., assignor.)

Jenefsky, Joseph M., et al. (See Waite, Jackson L., assignor.)

John, Parker S., Dayton, Ohio. Tire carrier. 1,463,957; Aug. 7.

Johnsen, Bjornulf. (See Eriksen, Einar B., assignor.)

Johnson, John H., assignor of one-fourth to T. Marks, Charleston, S. C. Railway-car loader. 1,464,003; Aug. 7.

Johnson, Lawrence E., Melrose, O. T. Peterson, Malden, and L. A. Popp, Saugus, assignors to Victor Shoe Machinery Co., Lynn, Mass. Rough rounder. 1,463,823; Aug. 7.

Joksch, Rudolf. (See Schember, K., and Joksch.)

Jones, Ernest H., Canonbury, London, England. Depositing metal by the electric arc. 1,464,076; Aug. 7.

Jones, Howard B., assignor to Rotary Manufacturing Co., Chicago, Ill. Pump. 1,464,135; Aug. 7.

Jones, Pearl N., assignor to C. A. Fagan, W. D. George, and S. L. Tone, receivers, Pittsburgh, Pa. Fare token. Des. 62,820; Aug. 7.

Julian, Gideon J. (See Cosgrove, J. W., and Julian.)

Kaestner & Hecht Company. (See Gazda, Adolph A., assignor.)

Kaufman, Joseph, New York, N. Y. Closure for collapsible tubes and other containers. 1,464,320; Aug. 7.

Kaufmann, Jacob, assignor to Steel Heddle Manufacturing Company, Philadelphia, Pa. Pile-forming wire for pile-fabric looms. 1,464,181; Aug. 7.

Kawiecki, Edmond, et al. (See Krzyzewski, Felix, assignor.)

Kawiecki, Ludwik, et al. (See Krzyzewski, Felix, assignor.)

Kayaukluk, Philip, Unalakleet, Alaska. Animal trap. 1,464,429; Aug. 7.

Kegley, John L., Sioux City, Iowa. Rim band. 1,464,136; Aug. 7.

Kehr, Cyrus, Washington, D. C. Press. 1,463,895; Aug. 7.

Kehr, Cyrus, Washington, D. C. Press. 1,463,896; Aug. 7.

Keith, Edward W. (See Gordon, W. F., and Keith.)

Keller, Karl O., assignor of one-half to R. P. Doxford, Sunderland, Durham, England. Engine operated by liquid fuel and working the same. 1,464,268; Aug. 7.

Kelley, George W., assignor of one-half to C. H. Hagerman, Spokane, Wash. Wrench. 1,464,004; Aug. 7.

Kennedy, Walter, Pittsburgh, Pa. Clutch mechanism. 1,464,077; Aug. 7.

Kenyon, Edward L., Ardmore, Okla. Liquid-level indicator. 1,464,476; Aug. 7.

Kerr, Duncan M. (See Breyer, F. G., Hubbell, and Kerr.)

Kesot, Fred, Marion, Ind. Lamp chimney or similar article. Des. 62,821; Aug. 7.

Kettering, Charles F., assignor to Delco-Light Company, Dayton, Ohio. Magneto ignition system. 1,463,958; Aug. 7.

King, Charles B., Detroit, Mich. Rheostat socket. 1,464,487; Aug. 7.

Kingsbury, Edward J., Keene, N. H. Automatic drilling jig. 1,464,005; Aug. 7.

Kirton, Carnaby, and H. J. Gaudie, East Boldon, Durham, England. Pocket of billiard tables and the like. 1,464,006; Aug. 7.

Kintz, Robert R., assignor to International Silver Company, Meriden, Conn. Soup tureen or similar article. Des. 62,822; Aug. 7.

Kintz, Robert R., assignor to International Silver Company, Meriden, Conn. Tea or coffee pot or similar article. Des. 62,823; Aug. 7.

Kishpaugh, John M., Newton, N. J. Artificial-bait trap. 1,464,387; Aug. 7.

Klein, Benjamin W., Mount Vernon, N. Y. Customer's waiting booth. Des. 62,824; Aug. 7.

Klement, Alois, Hamburg, Germany. Rendering translucent sheets of paper, cardboard, and the like having drawings on it. 1,464,477; Aug. 7.

Klich, Franciszek. (See Radon, Jan, assignor.)

Klossner, Robert, Alliance, Ohio. Internal-combustion motor. 1,464,282; Aug. 7.

Klugh, Bethune G., Anniston, assignor to Federal Phosphorus Company, Birmingham, Ala. Oxidizing phosphorus. 1,463,959; Aug. 7.

Knapp, Lester W. (See Anderson, C. F., and Knapp.)

Knowles, Abram A., Canyon Ferry, Mont. Sleigh runner. 1,464,204; Aug. 7.

Koester, William J., and J. D. Foster, Cincinnati, Ohio. Motor-vehicle bumper. 1,464,321; Aug. 7.

Koetter, George, Hoboken, N. J. Nonslipping shoe pad. 1,464,365; Aug. 7.

Koken, Walter F., St. Louis, Mo. Hair-dressing chair. Des. 62,825; Aug. 7.

Koken, Walter F., St. Louis, Mo. Hair-dressing chair. Des. 62,826; Aug. 7.

Kolster, Frederick A., Washington, D. C., assignor of one-third to C. D. Ehret, Philadelphia, Pa. Radio-receiving method and apparatus. 1,464,322; Aug. 7.

Kopp, Ottmar H., Brooklyn, assignor to Western Electric Company, Incorporated, New York, N. Y. Selective switch. 1,464,078; Aug. 7.

Kraft, Edward, Chicago, Ill. Dipping apparatus. 1,463,960; Aug. 7.

Krajeski, Louis, Chicago, Ill. Adjustable license-plate support. 1,464,283; Aug. 7.

Krakan, Frank G., Pittsburgh, Pa. Radiator. 1,464,269; Aug. 7.

Kranz, Ernest E., Kirley, S. Dak. Mowing-machine attachment. 1,464,430; Aug. 7.

Kridler, Bernie C., assignor to The Shingle Lock Company, Flint, Mich. Roofing shingle. 1,464,366; Aug. 7.

Kriegerbeck, Václav, and J. Bautz, Prague, Czechoslovakia. Cinematographic apparatus. 1,464,284; Aug. 7.

Kronstein, Pauline. (See Viehweger, August F. W., assignor.)

Krzyzewski, Felix, Jamaica, N. Y., assignor of one-third to E. Kawiecki and one-third to L. Kawiecki, Winsted, Conn. Ornamental handle and producing same. 1,464,367; Aug. 7.

Kuno, Shichigoro, Denver, Colo. Dirigible bumper and headlight for automobiles. 1,464,205; Aug. 7.

Kunz, Max, Mannheim, Germany, assignor to Badische Anilin & Soda Fabrik, Ludwigshafen-on-the-Rhine, Germany. Production of vat coloring matters. 1,464,079; Aug. 7.

Ladue, Frederick. (See Richardson, Joseph, assignor.)

Lamb, Lowry H., jr., et al. (See Orr, Robert L., assignor.)

Lambert, Russell A., Springfield, Mass. Collapsible display carton. 1,464,388; Aug. 7.

Lancaster, Alfred. (See Benningfield, Thomas, assignor.)

Lancaster, Jeter M., High Point, N. C. Furniture clamp. 1,464,389; Aug. 7.

Langdon, Robert M., Englewood Cliffs, N. J. Vacuum pumping attachment for motor vehicles. 1,464,080; Aug. 7.

La Tulip, Fred L., Los Angeles, assignor of five-eighths to W. D. Nicholson, Long Beach, Calif. Tire casing. 1,464,206; Aug. 7.

Lawler, Frank P., San Francisco, Calif. High-tension disconnecting switch. 1,464,368; Aug. 7.

Lazier, Thomas C., Belleville, Canada, assignor, by mesne assignments, to Natural Air Dryers, Inc. Drying apparatus for lumber. 1,464,323; Aug. 7.

Lazier, Thomas C., Belleville, Canada, assignor, by mesne assignments, to Natural Air Dryers, Inc. Drying apparatus for discrete masses. 1,464,324; Aug. 7.

Lazier, Thomas C., Belleville, Canada, assignor, by mesne assignments, to Natural Air Dryers, Inc. Drying apparatus. 1,464,325; Aug. 7.

Leas, Harold L., Waukon, Iowa. Valve. 1,464,007; Aug. 7.

Leathem, James, Lebanon, Pa. Sewing machine. 1,464,081; Aug. 7.

Le Blanc, Ernest M., New Orleans, La. Garment-display stand. 1,464,431; Aug. 7.

Ledeboer, John W., Ambler, Pa., assignor to Asbestos Shingle, Slate & Sheathing Company. Colored cement composition and preparing the same. 1,463,961; Aug. 7.

Le Duc, Louis C. (See Burg, C. M., Decker, and Le Duc.)

Ledwinka, Joseph, assignor to Edward G. Budd Manufacturing Company, Philadelphia, Pa. Assembling and welding jig. 1,464,207; Aug. 7.

Lemcke, Otto H., New York, N. Y. Hat-retaining device. 1,464,432; Aug. 7.

Leo, Paul, Elizabeth, N. J. Valve-adjusting device. 1,464,082; Aug. 7.

Le Tang, Leo R., Cincinnati, Ohio. Locking mechanism. 1,464,008; Aug. 7.

Leuvelink, Gerrit J., Paterson, N. J. Expandible stopper. 1,463,824; Aug. 7.

Levenson, Abraham E. (See Jaffe, Joseph S., assignor.)

Levigton, David, New York, N. Y. Display card and insert for boxes. 1,464,182; Aug. 7.

Lieberthal, Robert H., assignor to The All-In-One Manufacturing Company, Incorporated, Bridgeport, Conn. Combination toothbrush and holder. 1,464,250; Aug. 7.

Lindsay, Robert F., assignor to M. E. Brown, Columbia, S. C. Process of and apparatus for manufacturing ice. 1,464,433; Aug. 7.

Lindstrom, Elmer H., and R. V. Seaholm, Chicago Heights, Ill. Fencepost. 1,464,326; Aug. 7.

Little, Frederick B., assignor to J. C. Deagan, Inc., Chicago, Ill. Sound-producing mechanism. 1,464,156; Aug. 7.

Ljungström, Fredrik, Brevik, Lidingon, assignor to Aktiebolaget Ljungstroms Angturbin, Stockholm, Sweden. Method and apparatus for manufacture of flanges on plates. 1,464,434; Aug. 7.

Locomobile Company, The. (See Church, Harold D., assignor.)

Loew, Oscar A., Highland Park, assignor to Harwich Stamping Company, Springwells, Mich. Spare-tire carrier and lock. 1,464,009; Aug. 7.

Loewe, Siegmund, Berlin, Germany, assignor to Western Electric Company, Incorporated, New York, N. Y. Receiving apparatus for high-frequency signaling. 1,464,083; Aug. 7.

Longbrake, George W., et al. (See De Loe, Edward G., assignor.)

Longbrake, Orville L., et al. (See De Loe, Edward G., assignor.)

Long, Charles M., Chicago, Ill. Track level. 1,464,285; Aug. 7.

Lord, Charles E., Tarrytown, N. Y. Textile fabric. Des. 62,827; Aug. 7.

Lord, Charles E., Tarrytown, N. Y. Textile fabric. Des. 62,828; Aug. 7.

Lord, Charles E., Tarrytown, N. Y. Textile fabric. Des. 62,829; Aug. 7.

Lord, Charles E., Tarrytown, N. Y. Textile fabric. Des. 62,830; Aug. 7.

Lord, Charles E., Tarrytown, N. Y. Textile fabric. Des. 62,831; Aug. 7.

Lord, Charles E., Tarrytown, N. Y. Textile fabric. Des. 62,832; Aug. 7.

Lord, Charles E., Tarrytown, N. Y. Textile fabric. Des. 62,833; Aug. 7.

Lord, Charles E., Tarrytown, N. Y. Textile fabric. Des. 62,834; Aug. 7.

Lord, Charles E., Tarrytown, N. Y. Textile fabric. Des. 62,835; Aug. 7.

Lord, Charles E., Tarrytown, N. Y. Textile fabric. Des. 62,836; Aug. 7.

Lord, Charles E., Tarrytown, N. Y. Textile fabric. Des. 62,837; Aug. 7.

Lorillard, P., Company. (See Ritchie, O. N., and Boykin, assignors.)

Lott, Frank. (See Hanson, Hans A., assignor.)

Loveless, Albert, Aberdeen, Wash. Valve grinder. 1,464,043; Aug. 7.

Luckiesh, Matt, Cleveland, Ohio, assignor to General Electric Company. Coating for electric lamps. 1,464,101; Aug. 7.

Lund, Thomas, Beverly, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J. Manufacture of pieced lift heels. 1,463,825; Aug. 7.

Lundblad, Emil O., Wakefield, Mass. Hydraulic valve. 1,464,286; Aug. 7.

Lundell, Alben E., Chicago, Ill., and E. H. Clark, Richmond Hill, assignors to Western Electric Company, Incorporated, New York, N. Y. Telephone-exchange system. 1,464,084; Aug. 7.

Lundgren, Axel G. E., Norrköping, Sweden. Making self-copying writing paper. 1,463,897; Aug. 7.

Lutz, Eleanor D., New York, N. Y. Hat-holding device. 1,463,898; Aug. 7.

McAllister, John E. (See Patton, J. F., and McAllister.)

McCarthy, Charles J. (See Field, J. C., and McCarthy.)

McCarthy, John H. (See Finch, Evander M., assignor.)

McClintock, Lewis G., Pittsburgh, Pa., assignor to Pittsburgh Transformer Company. Transformer-tank support. 1,463,962; Aug. 7.

McClure, Rodney N., Los Angeles, Calif. Direction indicator. 1,463,826; Aug. 7.

McCracken, Berel, and C. Pirott, assignors to Bryce Brothers Company, Mount Pleasant, Pa. Goblet or similar article. Des. 62,838; Aug. 7.

McDaniel, John H., St. Louis, Mo. Clock case. Des. 62,839; Aug. 7.

McDermott, John J., New Orleans, La. Envelope. 1,464,435; Aug. 7.

McFadden, Glenn E., Lakewood, Ohio, assignor to Alfred Vester Sons, Inc., Providence, R. I. Lamp cover for lighting fixtures. Des. 62,840; Aug. 7.

McFadden, Glenn E., Lakewood, Ohio, assignor to Alfred Vester Sons, Inc., Providence, R. I. Plate for lighting fixtures. Des. 62,841; Aug. 7.

McFadden, Glenn E., Lakewood, Ohio, assignor to Alfred Vester Sons, Inc., Providence, R. I. Top for lamp covers for lighting fixtures. Des. 62,842; Aug. 7.

McFadden, Glenn E., Lakewood, Ohio, assignor to Alfred Vester Sons, Inc., Providence, R. I. Arm for lighting fixture. Des. 62,843; Aug. 7.

McFadden, Glenn E., Lakewood, Ohio, assignor to Alfred Vester Sons, Inc., Providence, R. I. Top for lamp covers for lighting fixtures. Des. 62,844; Aug. 7.

McFadden, Glenn E., Lakewood, Ohio, assignor to Alfred Vester Sons, Inc., Providence, R. I. Oval plate for lighting fixtures. Des. 62,845; Aug. 7.

McKechnie, James, Barrow-in-Furness, assignor to Vickers Limited, Westminster, London, England. Broaching and similar machine. 1,463,899; Aug. 7.

McKee, Estelle, et al. (See Blackman, Mabel, assignor.)

McKenna, John E. (See Bergman, Olof F., assignor.)

McKone, Charles W., assignor to The McKone Tire & Rubber Company, Millersburg, Ohio. Automobile tire. Des. 62,846; Aug. 7.

McKone Tire & Rubber Company, The. (See McKone, Charles W., assignor.)

McMullen, A. W., et al. (See Dickover, C. W., and Henry, assignors.)

McNeill, Alan M., and W. J. Abbott, Auckland, New Zealand. File for letters, documents, and the like. 1,463,827; Aug. 7.

Macchia, Camillo, Ardmore, assignor to The United States Fire Works Manufacturing Company, Cardington, Pa. Toy torpedo. 1,464,183; Aug. 7.

Maculen, Frederick, Rahway, and G. L. Van Allen, Newark, N. J., assignors to Baker & Company, Inc. Anchorage for artificial teeth. 1,463,900; Aug. 7.

Makaroff, Wadim S., assignor to The Ford Instrument Company, Inc., New York, N. Y. Means to indicate the angular speed of moving objects. 1,464,208; Aug. 7.
Malleson, Thomas E., Brooklyn, N. Y., assignor to Montague City Rod Company, Montague City, Mass. Fishing reel. 1,463,828; Aug. 7.
Malloy, Angus P., jr., Seattle, Wash. Oar lock. 1,464,390; Aug. 7.
Mann, William J. N., Muswell Hill, London, England. Apparatus for washing crockery and other domestic utensils. 1,464,436; Aug. 7.
Manning, Bowman & Company. (See Savage, George E. assignor.)
Mansbendel, Fritz P., Brooklyn, N. Y. Electric motor. 1,464,184; Aug. 7.
Manshel, Charles, Newark, N. J. Ticket stamping and printing machine. 1,463,829; Aug. 7.
March, Kate, Jefferson City, Tenn. Washboard. 1,464,437; Aug. 7.
Margason, Bert, Indianapolis, Ind. Adjustable pipe wrench. 1,464,287; Aug. 7.
Marks, Thomas. (See Johnson, John H., assignor.)
Marr, Robert A. (See Marr, Robert A., jr., assignor.)
Marr, Robert A., jr., assignor of one-half to R. A. Marr, Norfolk, Va. Preserved wood and making same. 1,464,044; Aug. 7.
Marshall Field & Company. (See Mitchell, John F., assignor.)
Martin, James V., Elyria, Ohio. Shock-absorbing rudder. 1,464,209; Aug. 7.
Martin, Jorgen W., Mora, Minn. Starting-crank holder for automobiles. 1,464,438; Aug. 7.
Martin, Louis G. (See Jameson, T. H., and Martin.)
Marx, Richard, Detroit, Mich. Furnace. 1,464,210; Aug. 7.
Matthews, Edgar M. (See Stoller, H. M., and Matthews.)
Maxfield, Joseph P., Millburn, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y. Vibration detector. 1,463,830; Aug. 7.
Maxson, Walter L., Palmerton, Pa., assignor to The New Jersey Zinc Company, New York, N. Y. Desulphurizing zinciferous sulphide ores. 1,463,901; Aug. 7.
Meigs, Joseph V., Montclair, N. J., assignor to New Jersey Testing Laboratories. Treating sulphur chloride. 1,464,137; Aug. 7.
Melfo, Frank. (See Ardo, J., and Melfo.)
Metropolitan Sewing Machine Corporation. (See Weis, John P., assignor.)
Mewborn, Sidney G., Wilson, N. C. Loose-leaf binder. 1,464,185; Aug. 7.
Miebach, Harry E., and A. S. Caughey, Lethbridge, Alberta, Canada. Transmission band and case cover. 1,464,138; Aug. 7.
Miller, Albert, assignor to The American Rubber & Tire Company, Akron, Ohio. Tire-bundling machine. 1,464,010; Aug. 7.
Miller, Daniel D., assignor to Western Electric Company, Incorporated, New York, N. Y. Electromagnetic device. 1,463,831; Aug. 7.
Miller, George L., St. Louis, Mo. Root-canal point. 1,463,963; Aug. 7.
Miller, Harry M., South Pasadena, assignor to National Peeling Machine Company, Los Angeles, Calif. Apparatus for treating vegetables or fruit with a skin-loosening agent. 1,463,964; Aug. 7.
Miller, H. H., Industries Company, The. (See Hippenmeyer, I. R., and Skidd, assignors.)
Mills, Charles W. (See Drake, Percy L., assignor.)
Mitchell, David W., Toronto, Ontario, Canada. Means for dispensing semifluid materials. 1,463,902; Aug. 7.
Mitchell, Elmer C., St. Louis, Mo. Comic artificial eye. 1,464,211; Aug. 7.
Mitchell, Henry W., New York, N. Y. Heating unit. 1,463,903; Aug. 7.
Mitchell, John F., Topeka, Kans., assignor to Marshall Field & Company, Chicago, Ill. Shuttle winder. 1,464,212; Aug. 7.
Mix, Edwin S., assignor to Hickok Manufacturing Company, Inc., Rochester, N. Y. Belt buckle. 1,463,904; Aug. 7.
Mladinich, Frank, New York, N. Y., assignor to H. & N. Carburetor Co., Inc. Motion-picture-projecting machine. 1,464,327; Aug. 7.
Molloy, Francis F., Montreal, Quebec, Canada. Vending machine. 1,464,439; Aug. 7.
Monroe, George A. C., Geneva, Ill. Folding table. 1,464,440; Aug. 7.
Montague City Rod Company. (See Malleson, Thomas E., assignor.)
Montine, Joseph F., Chicago, Ill. Carrier truck. 1,464,011; Aug. 7.
Moog, Minnie C., et al., executors. (See Raabe, Otto L.)
Moran, Edward M., San Francisco, Calif. Adjustable mold for forming leather diaphragms. 1,464,369; Aug. 7.
Morgan Construction Company. (See Carroll, Elbert H., assignor.)
Morgan Construction Company. (See Isley, George H., assignor.)
Morgenstern, Nathan, Brooklyn, N. Y. Movable eye for stuffed toys. 1,463,832; Aug. 7.
Morinsky, Louis, New York, N. Y., assignor of nine-tenths to H. G. Eckstein, jr., Chicago, Ill. Gear-shift mechanism. 1,464,328; Aug. 7.
Morse, William J., Attleboro, Mass. Belt buckle. Des. 62,847; Aug. 7.
Morse, William J., Attleboro, Mass. Belt buckle. Des. 62,848; Aug. 7.
Morse, William J., Attleboro, Mass. Belt buckle. Des. 62,849; Aug. 7.
Mosler, Moses, New York, N. Y., and C. Bartels, Hamilton, Ohio, assignors to The Mosler Safe Company, New York, N. Y. Safe. 1,464,213; Aug. 7.
Mosler Safe Company, The. (See Mosler, M., and Bartels, assignors.)
Mosley, Frank E., Glasgow, Scotland. Apparatus for controlling the operation of a talking machine or machines in timed relation to a cinematographic machine. 1,464,329; Aug. 7.
Motoki, Mitsujiro, and C. Yagi, Tokyo-Fu, Japan. Pneumatic tire. 1,464,085; Aug. 7.
Moussette, Oliver J., Richmond Hill, N. Y. Crusher. 1,463,921; Aug. 7.
Murdock Manufacturing and Supply Company, The. (See Bart, Thomas E., assignor.)
Müller, Karl, Krelensen, Germany. Wrench. 1,464,288; Aug. 7.
Munter, Charles, New York, N. Y. Corset. 1,463,833; Aug. 7.
Murray, George C. (See Cook, Roy J., assignor.)
Myers, True D., Oakland, Calif. Washing and wringing machine attachment. 1,463,922; Aug. 7.
Nänny, Fritz, Herisau, Switzerland. Process and device for removing the connecting threads in embroidered fabrics. 1,464,289; Aug. 7.
Napolitan, Francis J., Jersey City, N. J., assignor to American Abrasive Metals Company. Plate for use in lining burglarproof vaults and similar purposes. 1,464,102; Aug. 7.
Nash, George H., Weymouth, England. Sound detector. 1,464,103; Aug. 7.
Natural Air Dryers, Inc. (See Lazier, Thomas C., assignor.)
National Peeling Machine Company. (See Miller, Harry M., assignor.)
Naugatuck Chemical Company, The. (See Cadwell, Sidney M., assignor.)
Nelson, Andrew E., Mason City, Iowa. Order holder for film hangers. 1,464,157; Aug. 7.
Nelson, Clare, Brooklyn, N. Y., assignor, by mesne assignments, to C. C. Orcutt. Paper-drying machine. 1,463,923; Aug. 7.
New England Trust Company, trustee, The. (See Parks, E. F., Brink, and Taylor, assignors.)
New Jersey Testing Laboratories. (See Meigs, Joseph V., assignor.)
New Jersey Zinc Company, The. (See Breyer, F. G., Hubbell, and Kerr, assignors.)
New Jersey Zinc Company, The. (See Maxson, W. L., assignor.)
Newman, J. F., Inc. (See Corbett, George E., assignor.)
Nicolson, Alexander M., assignor to Western Electric Company, Incorporated, New York, N. Y. Selective apparatus for signaling circuits. 1,464,104; Aug. 7.
Nicholson, Frank H., Wilkinsburg, assignor to The Union Switch & Signal Company, Swissvale, Pa. Railway-traffic-controlling apparatus. 1,464,105; Aug. 7.
Nicholson, Robert. (See Rotstein, M., and Nicholson.)
Nicholson, W. D. (See La Tulip, Fred L., assignor.)
Nielsen, Niels D., Elyria, Ohio. Rubber composition. 1,463,905; Aug. 7.
Nilson, A. H., Machine Co., The. (See Olson, Mauritz, assignor.)
Nordstrom, Elof, Newark, N. J., assignor, by mesne assignments, to American Dan Bottle Seal Corporation. Metal-stamping mechanism. 1,463,906; Aug. 7.
Northrop, Jonas, Hopedale, assignor to Hopedale Manufacturing Company, Milford, Mass. Let-off mechanism. 1,463,966; Aug. 7.
Northrop, Jonas, Hopedale, assignor to Hopedale Manufacturing Company, Milford, Mass. Self-threading shuttle. 1,463,965; Aug. 7.
Novick, William, Brooklyn, N. Y. Frame for flexible screens, etc. 1,464,370; Aug. 7.
Oberreich, Louie H., Indianapolis, Ind. Automobile lock and theft notice. 1,464,186; Aug. 7.
Odell, George W., Binghamton, N. Y., assignor to The International Time Recording Company of New York. Time card. 1,464,330; Aug. 7.
Olcott, Eben E. (See Farrell, R. C., and Coogan, assignors.)
Ollerenshaw, Reginald F., London, England. Fluid spreader or marking device. 1,464,214; Aug. 7.
Olson, Albert, Minneapolis, Minn. Fish lure. 1,464,215; Aug. 7.
Olson, John, Detroit, Mich. Float-controlled valve. 1,463,907; Aug. 7.
Olson, Mauritz, assignor to The A. H. Nilson Machine Co., Bridgeport, Conn. Wire-chain machine. 1,464,331; Aug. 7.
O'Neil, Arthur S., and R. R. Evans, Springfield, Ill., assignors, by mesne assignments, to Western Cartridge Company. Propellant explosive. 1,464,012; Aug. 7.
Orban, Joseph W. O., Brooklyn, N. Y. Folding case. 1,464,391; Aug. 7.
Orcutt, Charles C. (See Nelson, Clare, assignor.)
Orr, Robert L., assignor of one-third to L. H. Lamb, jr., St. Elmo, and one-third to L. J. Spence, Chattanooga, Tenn. Vase for cemeteries. 1,464,290; Aug. 7.

Osborn, Clyde, Milo, Calif. Combined wheel and air tank. 1,464,441; Aug. 7.
Oshkosh Lowering Device Co. (See Rosenkranz, Hugo E., assignor.)
Osaki, Yukiteru, Shirota-Mura, Japan. Wind turbine. 1,463,924; Aug. 7.
Orzali, Achille, assignor to Societa Fabbrica di Tavelloni "Achille Orzali & Compagnia," Lucques, Italy. Slab and floor. 1,464,106; Aug. 7.
Paden, Robert F., Glendale, assignor to St. Louis Coffin Company, St. Louis, Mo. Means for holding burial caskets or the like in shipping receptacles. 1,464,216; Aug. 7.
Pagé, Victor W., Kew Gardens, New York, N. Y. Internal brake. 1,464,392; Aug. 7.
Pagé, Victor W., Kew Gardens, New York, N. Y. Bearing construction. 1,464,393; Aug. 7.
Paiser, George N., Worcester, Mass. Sharpening device for shears. 1,464,442; Aug. 7.
Paper products Machine Company. (See Jackson, Patrick T., assignor.)
Paragon Can & Cap Company, Inc. (See Beyer, Henry A., assignor.)
Parks, Edward F., C. A. Brink, Providence, and G. N. Taylor, East Providence, R. I., assignors, by mesne assignments, to The New England Trust Company, trustee. Winding machine. 1,463,834; Aug. 7.
Paterson, William, London, England. Apparatus for treating liquids with chemical reagents. 1,464,291; Aug. 7.
Patten, Arnold J., Ellsworth, Me. Hairpin. 1,464,187; Aug. 7.
Patton, James F., and J. E. McAllister, Cleveland, Ohio. Ironing machine. 1,463,835; Aug. 7.
Peacock, Samuel, Wheeling, W. Va., assignor to W. G. Waldo, Washington, D. C. Producing boron nitride. 1,464,292; Aug. 7.
Pease, Henry, Jackman, Me. Bunching machine. 1,464,332; Aug. 7.
Pedersen, Thomas W., assignor to H. I. Wagner Co., New York, N. Y. Toy. 1,464,107; Aug. 7.
Pedigo, Sanford L., Pittsburgh, Pa. Hanger device for concreting structural beams. 1,463,967; Aug. 7.
Pembroke, Winfield P., Rochester, N. Y. Carburetor. 1,464,333; Aug. 7.
Penrod, David L., Hooper, Utah. Amalgamating mill. 1,464,293; Aug. 7.
Peraza, Jose C., New York, N. Y. Internal-combustion engine. 1,464,334; Aug. 7.
Petersen, Christine, Evanston, Ill. Corset closure. 1,464,217; Aug. 7.
Peterson, Arvid, assignor to De Laval Steam Turbine Company, Trenton, N. J. Driving gear. 1,464,108; Aug. 7.
Peterson, Otto T. (See Johnson, L. E., Peterson, and Popp.)
Petry, Jacob, Pittsburgh, Pa. Denture. 1,463,968; Aug. 7.
Petry, Nicholas A., Philadelphia, Pa. Hose clamp. 1,464,335; Aug. 7.
Pfister, Theophil, assignor to Tapestrelle Corporation, New York, N. Y. Ornamentation. 1,463,836; Aug. 7.
Pfantzer, Abraham, New York, N. Y. Dental fountain cuspidor. Des. 62,850; Aug. 7.
Picking, William T. (See Grosvenor, J. E., and Picking.)
Pierson, Carl W., Rockford, Ill. Combined washer and wringer. 1,464,045; Aug. 7.
Piers, Frank C., Los Angeles, Calif. Burner attachment. 1,463,837; Aug. 7.
Pipitone, Charles, Brooklyn, N. Y., assignor to Interlocking Construction Corporation. Interlocking building block. 1,463,969; Aug. 7.
Pirott, Celester. (See McCracken, B., and Pirott.)
Pittsburgh Transformer Company. (See McClintock, Lewis G., assignor.)
Platt, Clarence D., Bridgeport, Conn. Inclosed switch. 1,463,908; Aug. 7.
Polansky, Arpad, Douglastown, N. Y. Shoe-polishing set. 1,464,336; Aug. 7.
Polinkowsky, Lipa, Antwerp, Belgium, assignor to Western Electric Company, Incorporated, New York, N. Y. Automatic telephone-exchange system. 1,464,109; Aug. 7.
Pollock, John W., Soldiers Home, Sawtelle, Calif. Ant trap. 1,464,394; Aug. 7.
Pope, Frederick, New York, N. Y. Draw-off for electric furnaces. 1,463,970; Aug. 7.
Poppenhusen, Herman A., Hammond, assignor to Green Engineering Company, East Chicago, Ind. Fire arch. 1,463,971; Aug. 7.
Popp, Leonard A. (See Johnson, L. E., Peterson, and Popp.)
Porter, J. E., Corporation. (See Weintz, William L., assignor.)
Postel-Vinay, Pierre J. R., assignor to Societe des Moteurs Salmson (Systeme Canton-Unne), Paris, France. Means for securing rotary members of contractile material to metallic hubs. 1,463,838; Aug. 7.
Powell, Alphonse L., Altus, Okla. Tire-inflating apparatus. 1,464,443; Aug. 7.
Powell, Winfred T., assignor to The Stromberg-Carlson Telephone Manufacturing Company, Rochester, N. Y. Automatic telephone system. 1,463,972; Aug. 7.
Precision Thermometer & Instrument Company. (See Waser, Carl R., assignor.)
Price, Gomer W., and C. F. Zimansky, assignors to G. W. Price Pump and Engine Company, San Francisco, Calif. Shaft coupling. 1,464,337; Aug. 7.
Price, G. W., Pump and Engine Company. (See Price, G. W., and Zimansky, assignors.)
Primak, Adam, Kenosha, Wis. Buckle. 1,464,188; Aug. 7.
Process Engineers, Inc. (See De Cew, Judson A., assignor.)
Proctor & Schwartz Incorporated. (See Ayres, Elwood B., assignor.)
Puccinelli, Romolo L., Los Gatos, Calif. Dehydrator. 1,464,338; Aug. 7.
Pugh, Charles H., Limited, et al. (See Starkey, Ernest W., assignor.)
Putt, Charles W., Jerome, Ariz. Cleaning device. 1,463,925; Aug. 7.
Raabe, Arthur E., et al., executors. (See Raabe, Otto L.)
Raabe, Otto L., deceased, Jersey City, N. J.; M. C. Moog, R. A. Smith, and A. E. Raabe, executors. Mechanical movement. 1,463,839; Aug. 7.
Radon, Jan, assignor of one-half to F. Klich, East St. Louis, Ill. Safety appliance for aeroplanes. 1,464,339; Aug. 7.
Rail Joint Company, The. (See Braine, Bancroft G., assignor.)
Ramsey, Allan, Chicago, Ill. Humidifying air vent. 1,464,110; Aug. 7.
Randall Control and Hydrometric Corporation. (See Hartman, William H., assignor.)
Randolph, Paul V., Enfield, N. C. Road scraper and conveyer. 1,464,444; Aug. 7.
Read, Harry S., New Haven, Conn., assignor to Western Electric Company, Incorporated, New York, N. Y. Electric circuits. 1,464,111; Aug. 7.
Reddig, Charles E., Richmond Hill, assignor to Western Electric Company, Incorporated, New York, N. Y. Electrical ignition system. 1,464,112; Aug. 7.
Redmond, Harry C., sr., Houston, Tex. Ferrule. 1,463,840; Aug. 7.
Reese, Arthur G., assignor to The Wellman-Seaver-Morgan Company, Cleveland, Ohio. Counterbalanced hoisting mechanism. 1,464,294; Aug. 7.
Regaro, Frank, Macon, Ga. Fountain pen. 1,464,218; Aug. 7.
Reliance Company, The. (See Bradley, Harry L., assignor.)
Reliance Metal Spinning & Stamping Company. (See Berman, Morris, assignor.)
Remark, Alphonsus R., Akron, Ohio. Projection lamp. 1,464,270; Aug. 7.
Remington Accounting Machine Corporation. (See Hart, Frederick A., assignor.)
Rhoades, Alonzo E., assignor to Draper Corporation, Hopedale, Mass. Warp stop motion for looms. 1,464,485; Aug. 7.
Rice Gas Engine Company. (See Rice, John V., jr., assignor.)
Rice, John V., jr., assignor to Rice Gas Engine Company, Bordentown, N. J. Internal-combustion engine. 1,463,973; Aug. 7.
Richardson, Joseph, assignor to F. Ladue, Bristol, Vt. Machine for truing crusher rolls. 1,464,046; Aug. 7.
Richman, Wallace C., Butte, Mont. Making concrete building boards or slabs. 1,463,841; Aug. 7.
Ringler, William A., Philadelphia, Pa., assignor to Globe-Wernecke Co., Cincinnati, Ohio. Display device. 1,464,340; Aug. 7.
Ritchie, Oscar N., Hamilton, and H. C. Boykin, Middletown, Ohio, assignors to P. Lorillard Company, New York, N. Y. Bag-opening machine. 1,463,842; Aug. 7.
Rivers, Ara M., administratrix. (See Rivers, Charles A.)
Rivers, Ara M., administratrix. (See Stuart, F. B., and Rivers.)
Rivers, Charles A. (See Stuart, F. B., and Rivers.)
Rivers, Charles A., deceased, El Paso, Tex.; A. M. Rivers, administratrix. Automatic air device for internal-combustion engines. 1,463,099; Aug. 7.
Roberts, Ferdinand C., Detroit, Mich. Dental floss holder. 1,464,013; Aug. 7.
Rodin, Charles F., Fairfax, Calif. Spring-shackle mounting. 1,464,341; Aug. 7.
Rogers, William J., Potosi, Tex. Smoking pipe. 1,463,843; Aug. 7.
Rosenbaum, Harry, New York, N. Y. Dishwashing apparatus. Re15,670; Aug. 7.
Rosenkranz, Hugo E., assignor to Oshkosh Lowering Device Co., Oshkosh, Wis. Grinding device. 1,464,219; Aug. 7.
Ross, James A., Halifax, Nova Scotia, Canada. Game. 1,464,047; Aug. 7.
Ross, Paul G., Poultney, Vt. Container. 1,464,395; Aug. 7.
Ross, William L., Jersey City, N. J. Building construction. 1,464,445; Aug. 7.
Rotary Manufacturing Co. (See Jones, Howard B., assignor.)
Rothacher, Frederick J., Minneapolis, Minn. Rubber attachment. 1,464,342; Aug. 7.
Rotstein, Morris, and R. Nicholson, Vicksburg, Miss. Camp stove. 1,464,271; Aug. 7.

Rousset, Jules, Nogent-sur-Marne, France. Artificial textile filament and making same. 1,464,048; Aug. 7.
Rousso, Jacques, Los Angeles, Calif. Counting device. 1,463,910; Aug. 7.
Router Manufacturing Company, The. (See Casey, William P., assignor.)
Rowland, Herbert R., East Orange, N. J. Well-drilling attachment. 1,464,396; Aug. 7.
Royák, Louis, New York, N. Y. Antivermin bed. 1,464,397; Aug. 7.
Rudolph, Wilhelm, assignor to Firm Signal Gesellschaft m. b. H., Kiel, Germany. Sound producer and receiver. 1,463,911; Aug. 7.
Rüegger, Eduard. (See Guyer, H., and Rüegger.)
Ruhland, Max, assignor to L. Böhm, Munich, Germany. Photographic screen. 1,464,139; Aug. 7.
Rundell, Ornan L., Chicago, Ill. Furnace appliance. 1,464,272; Aug. 7.
Russel, Albert W., assignor to Russel Motor Axle Company, Detroit, Mich. Vehicle axle. 1,463,912; Aug. 7.
Russel Motor Axle Company. (See Russel, Albert W., assignor.)
Ryan, Joseph P., Hartford, Conn. Ball-collecting device. 1,463,845; Aug. 7.
Ryan, John W., assignor to Fairbairn Lawson Combe Barbour Limited, Leeds, York, England. Faller or gill bar for treating textile substances. 1,463,844; Aug. 7.
Rybicky, Antonina, New London, Conn. Combination bed, dresser, and chiffonier. 1,464,295; Aug. 7.
Ryding, Herbert C., Birmingham, Ala. Gas cleaner. 1,464,113; Aug. 7.

Sacchi, Gustavo A., Pittsburgh, Pa., assignor to Westinghouse Electric and Manufacturing Company. Fluid pump. 1,464,296; Aug. 7.
Sachs, Joseph. (See Sachs, Kelvin N. and J.)
Sachs, Kelvin N. and J., Hartford, Conn. Means for cushioning transmission shafts. 1,464,220; Aug. 7.
Safford, Henry, Little Rock, Ark. Projectile. 1,464,221; Aug. 7.
Sager, George A., Albany, N. Y. Thermally-controlled audible signal. 1,464,222; Aug. 7.
Sauer, Ernst, Schloss Kahnitz, near Kemnath, Germany. Producing intaglio-printing forms. 1,464,140; Aug. 7.
Savage, George E., assignor to Manning, Bowman & Company, Meriden, Conn. Waffle iron or similar article. Des. 62,851; Aug. 7.
Sawyer, Frank A. (See Gibbs, C. A., and Sawyer.)
Scheib, Peter H., assignor to The Denver Rock Drill Manufacturing Company, Denver, Colo. Throttle valve. 1,464,049; Aug. 7.
Schellhammer, A. L. (See Eaton, Richard M., assignor.)
Schember, Kornelius, Atzgersdorf, Austria, and R. Joksch, Prague-Karolinenthal, Czechoslovakia. Traveling poise for weighing machines. 1,464,114; Aug. 7.
Scherer, Samuel M., Marion, Ind. Display rack. 1,464,343; Aug. 7.
Scheuchzer, Auguste, assignor to Ferrodesherbeuse Scheuchzer Societe Anonyme, Renens, Switzerland. Machine for removing weeds from railway roadbeds. 1,464,014; Aug. 7.
Schiller, Arthur, Chicago, Ill. Match-box holder. Des. 62,852; Aug. 7.
Schlitz, William B., Caledonia, Minn. Draft hitch. 1,464,446; Aug. 7.
Schmid, William P., assignor to Atlas Engineering Company, Philadelphia, Pa. Gas valve. 1,464,015; Aug. 7.
Schneidt, Ernest F., Detroit, Mich. Swimming mask. 1,463,926; Aug. 7.
Schodder, Ludwig, assignor to C. Wittenborg, Herford, Germany. Smoke-discharging means for locomotives and the like. 1,464,297; Aug. 7.
Schoonhoven, Jacob, Shannon, Ill. Animal trap. 1,463,846; Aug. 7.
Schopflocher, Siegfried, Montreal, Quebec, Canada. Container. 1,464,273; Aug. 7.
Schwartz, Herbert W., Chicago, Ill. Headlight device. 1,464,016; Aug. 7.
Schweitzer & Conrad. (See Schweitzer, Edmund O., assignor.)
Schweitzer, Edmund O., assignor to Schweitzer & Conrad, Chicago, Ill. Current-controlling device. 1,463,974; Aug. 7.
Scotford, Louis K., deceased, Chicago, Ill.; M. W. Scotford, executrix. Clutch. 1,463,975; Aug. 7.
Scotford, Martha W., executrix. (See Scotford, Louis K.)
Seaholm, Rudolph V. (See Lindstrom, E. H., and Seaholm.)
Seel, Paul C., assignor to Eastman Kodak Company, Rochester, N. Y. Making cellulose ethers. 1,464,158; Aug. 7.
Service Station Equipment Company. (See Fuller, Morris H., assignor.)
Sheeley, William F., Galesburg, Ill. Vehicle traffic signal. 1,463,927; Aug. 7.
Shilling, Wade, Troy, Ohio. Chin rest. 1,463,847; Aug. 7.
Shimer, Calvin J., Fort Wayne, Ind. Deodorizing and disinfecting case or container. Des. 62,861; Aug. 7.
Shimin, Edward W., Thermopolis, Wyo. Drill bit. 1,463,848; Aug. 7.
Shimp, Archie J., Rockford, Ill. Burglar alarm. 1,464,050; Aug. 7.
Shingle Lock Company, The. (See Kridler, Bernie C., assignor.)
Shirley Manufacturing Co. (See Clarke, Thomas H., assignor.)
Shvachka, John K., and A. S. Birnbaum-Shestakoff, New York, N. Y. Call device for public rooms. 1,464,447; Aug. 7.
Siemers, Charles W., Cedar Point, Ill. Push rake. 1,463,928; Aug. 7.
Signal Gesellschaft m. b. H. (See Rudolph, Wilhelm, assignor.)
Silberman, Charles F., Maywood, Ill. Doorcheck. 1,464,448; Aug. 7.
Silverstein, Aaron, New York, N. Y. Garment. 1,464,449; Aug. 7.
Simmen, Paul J., Buffalo, N. Y. Automatic speed control for railways. 1,464,141; Aug. 7.
Simmons, Alfred K., assignor of thirty-five one-hundredths to G. N. Boosalis and fifteen one-hundredths to L. A. Smith, Faribault, Minn. Tire. Des. 62,853; Aug. 7.
Simmons, Alfred K., assignor of thirty-five one-hundredths to G. N. Boosalis and fifteen one-hundredths to L. A. Smith, Faribault, Minn. Tire. Des. 62,854; Aug. 7.
Simmons, Alfred K., assignor of thirty-five one-hundredths to G. N. Boosalis and fifteen one-hundredths to L. A. Smith, Faribault, Minn. Tire. Des. 62,855; Aug. 7.
Simmons, Alfred K., assignor of thirty-five one-hundredths to G. N. Boosalis and fifteen one-hundredths to L. A. Smith, Faribault, Minn. Tire. Des. 62,856; Aug. 7.
Simonson, B. Hustace, New York, N. Y. Building construction. 1,464,189; Aug. 7.
Simpson, William M., Hastings, England. Oil cooking stove. 1,463,976; Aug. 7.
Sisk, Ira E., East St. Louis, Ill. Spare-tire holder. 1,464,371; Aug. 7.
Skidd, Charles. (See Hippenmeyer, I. R., and Skidd.)
Sleicher, Charles A., assignor, by mesne assignments, to Troy Foundry and Machine Co. Inc., Troy, N. Y. Pump. 1,464,223; Aug. 7.
Smith, Allan Y., Montreal, Quebec, Canada. Means for facilitating the carrying of traveling bags and the like. 1,463,977; Aug. 7.
Smith, Arthur C., assignor of one-half to W. W. Hassell, Colorado Springs, Colo. Combined atomizer and vaporizer for oil engines. 1,463,849; Aug. 7.
Smith, Frank, Elland, England. Shock absorber and rebound damper for motor road vehicles. 1,464,142; Aug. 7.
Smith, Lucius A., et al. (See Simmons, Alfred K., assignor.)
Smith, Ross H., Erie, Pa. Machine for bricking ice cream. 1,463,850; Aug. 7.
Smith, Ross H., Erie, Pa. Bricking ice cream. 1,463,851; Aug. 7.
Smith, Ruth A., et al., executors. (See Raabe, Otto L.)
Smith, Warren A. (See Widell, M. E., and Smith.)
Societa Fabbrica di Tavelloni "Achille Orzali & Compagnia." (See Orzali, Achille, assignor.)
Societe des Moteurs Salmson (Systeme Canton-Unne). (See Postel-Vinay, P. J. R., assignor.)
Soderstrom, John E., Stockholm, Me. Sled brake. 1,464,372; Aug. 7.
Somerville, William E., Coal City, Ill. Endless loop or grommet. 1,463,978; Aug. 7.
Sparling, Benjamin F., Unionville, N. Y. Safety device for loading elevators. 1,464,450; Aug. 7.
Speck, Emil, Paterson, N. J., assignor to The Taylor-Friedsam Company. Ribbon, textile fabric, or article of similar nature. Des. 62,862; Aug. 7.
Spence, L. Jack, et al. (See Orr, Robert L., assignor.)
St. Louis Coffin Company. (See Paden, Robert F., assignor.)
Standard Heel & Counter Co. (See Bruninga, John H., assignor.)
Staples, Hersey L., Duluth, Minn. Automobile signal. 1,464,451; Aug. 7.
Starck, John R., Weehawken, N. J. Clasp for jewelry. 1,464,452; Aug. 7.
Stark, David P., and G. A. Higbee, Placerville, Calif. Animal trap. 1,464,453; Aug. 7.
Starkey, Ernest W., assignor to Charles H. Pugh Limited and G. F. Bull, Birmingham, England. Friction clutch. 1,464,251; Aug. 7.
Steel Heddle Manufacturing Company. (See Kaufmann, Jacob, assignor.)
Stein, Fredrick W., Kenosha, assignor of one-half to J. Gibbons, Milwaukee, Wis. Tool. 1,464,298; Aug. 7.
Stephens, Benjamin G. C., Auckland, New Zealand. Electric-line insulator. 1,463,852; Aug. 7.
Stephensmeier, John H., St. Louis, Mo. Dirigible headlight. 1,464,252; Aug. 7.
Steuart, Gordon R., assignor of one-third to A. H. Hirsig and one-third to W. C. Hollister, Denver, Colo. Regeneration of anhydrous aluminum chloride. 1,464,373; Aug. 7.
Steudel, George E., Milwaukee, Wis. Hot-blast stove. 1,464,115; Aug. 7.
Steudel, George E., Milwaukee, Wis. Explosion valve. 1,464,116; Aug. 7.
Stevenson, George M., Baltimore, Md. Double-seaming machine. 1,464,017; Aug. 7.
Stewart, Perez M., Pasadena, Calif. Varnish, paint, or waterproofing composition and making same. 1,464,224; Aug. 7.

Stickney, Burnham C., Elizabeth, N. J., assignor to Underwood Computing Machine Company, New York, N. Y. Combined typewriting and computing machine. 1,464,117; Aug. 7.
Stockholder, John H., New Orleans, La. Boiler prime preventer. 1,464,225; Aug. 7.
Stocking, Fanny H., and W. M. Farrow, sr., Washington, D. C. Hand-operating controlling device for automobiles. 1,464,853; Aug. 7.
Stokely, Ray L., Long Island, assignor to Western Electric Company, Incorporated, New York, N. Y. Machine-switching-telephone exchange system. 1,464,118; Aug. 7.
Stoller, Hugh M., New York, and E. M. Matthews, Jamaica; assignors to Western Electric Company, Incorporated, New York, N. Y. Fault locator for electric cables. 1,464,119; Aug. 7.
Stoller, Hugh M., assignor to Western Electric Company, Incorporated, New York, N. Y. Electrical ignition system. 1,464,120; Aug. 7.
Storch, Samuel, assignor of one-third to S. E. Tepper and one-third to D. Berwick, Brooklyn, N. Y. Connector for radio equipment. 1,464,274; Aug. 7.
Strauss, Isaac G., Milwaukee, Wis. Knit cap. Des. 62,863; Aug. 7.
Stromberg-Carlson Telephone Manufacturing Company, The. (See Powell, Winfred T., assignor.)
Strong, Ernest G., Canton, Ohio, assignor to The Timken Roller Bearing Company. Tool holder. 1,464,344; Aug. 7.
Stuart, Francis B., and C. A. Rivers, deceased, El Paso, Tex.; A. M. Rivers, administratrix. Dehydrating gypsum. 1,463,913; Aug. 7.
Stubbs, Robert C., Dallas, Tex. Paving and process of paving streets and the like. 1,463,979; Aug. 7.
Stucki, Arnold, Pittsburgh, Pa. Roller side bearing. 1,464,275; Aug. 7.
Sturgis, William B., Joplin, Mo., assignor to General Explosives Company, Chicago, Ill. Explosive and method of producing the same. 1,463,980; Aug. 7.
Sullivan Machinery Company. (See Gilman, G. H., and Haines, assignors.)
Sullivan Machinery Company. (See Halleck, Frank A., assignor.)
Sutherland, John, Springer, N. Mex. Tool for contracting and expanding split rims. 1,463,854; Aug. 7.
Swartz, Henry, Philadelphia, Pa. Coal-gas carburetor. 1,464,299; Aug. 7.
Sweeney, Morgan L., et al. (See Cable, Henry C., assignor.)

Taber, Jeremiah B. G., New Haven, Conn. Preparation for treating articles of rubber. 1,464,143; Aug. 7.
Taff, Frederick N., Millington, N. J. Cigarette and cigar holder. 1,464,300; Aug. 7.
Tapestrelle Corporation. (See Pfister, Theophil, assignor.)
Tartrais, Eugène H., Maisons-Laffitte, France. Ignition device for internal-combustion engines. 1,463,855; Aug. 7.
Taylor-Friedsam Company. (See Speck, Emil, assignor.)
Taylor, George N. (See Parks, E. F., Brink, and Taylor.)
Taylor, William C., Buffalo, N. Y. Form for machine bookkeeping. 1,463,929; Aug. 7.
Temple, Frank J., Decatur, Ill. Shaker mechanism for mill machinery. 1,463,930; Aug. 7.
Tepper, Solomon E., et al. (See Storch, Samuel, assignor.)
Terlinden, Richard W., assignor to Wilh. Schaumans Tarso Aktiebolag, Jyvaskyla, Finland. Producing imitations of valuable woods and inlaid work on wood by the aid of transfer work. 1,464,144; Aug. 7.
Thomas Spark Plug Company. (See Thomas, William S., assignor.)
Thomas, William S., Linden, assignor to Thomas Spark Plug Company, Roselle Park, N. J. Spark plug. 1,464,121; Aug. 7.
Thompson, James S., Pelham, N. Y., assignor to The American Brake Shoe & Foundry Company, Wilmington, Del. Brake shoe. 1,463,981; Aug. 7.
Thompson, William H., Minturn, Colo. Filler cap for oil tanks. 1,464,301; Aug. 7.
Thompson, William L., Greenville, Miss. Bucket. 1,464,454; Aug. 7.
Timken Roller Bearing Company, The. (See Strong, Ernest G., assignor.)
Tomford, John D., Brooklyn, N. Y. Window-securing means. 1,464,345; Aug. 7.
Tone, S. L., et al., receivers. (See Jones, Pearl N., assignor.)
Toppan, Albert B., Watertown, Mass. Attachment for telephones. 1,464,455; Aug. 7.
Toren, Joseph, Chicago, Ill. Permanent substitute tire. 1,463,914; Aug. 7.
Trachte, Arthur F. (See Trachte, George A. and A. F.)
Trachte, George A. and A. F., Madison, Wis. Corrugating machine. 1,464,018; Aug. 7.
Traxel, William J., Chicago, Ill. Safety device for gas drums. 1,464,226; Aug. 7.
Troth, James F., Washington Township, Owen County, Ind. Automatic cow-holding stanchion. 1,464,159; Aug. 7.
Troy Foundry and Machine Co. Inc. (See Sleicher, Charles A., assignor.)
Tucker, Albert N., Gerrads Cross, England. Apparatus or device for use when teaching or practicing shooting, particularly game shooting. 1,463,931; Aug. 7.

Twin Disc Clutch Company. (See Fawick, Thomas L., assignor.)
Twist Seal Company. (See Campbell, Layard, assignor.)
Tyner, Willard M., Bethany, Mo. Baseball-Umpire's Indicator. 1,464,227; Aug. 7.
Ulrich, Horace W., East Orange, N. J., assignor to Western Electric Company Incorporated, New York, N. Y. Telephone-exchange system. 1,463,982; Aug. 7.
Underwood Computing Machine Company. (See Stickney, Burnham C., assignor.)
Underwood Typewriter Company. (See Guignard, Edwin, M. F., assignor.)
Underwood Typewriter Company. (See Waldheim, John, assignor.)
Union Metal Products Company. (See Gilpin, Garth G., assignor.)
Union Switch & Signal Company, The. (See Nicholson, Frank H., assignor.)
United Shoe Machine Corporation. (See Clary, Burton N., assignor.)
United Shoe Machinery Corporation. (See Cosgrove, J. W., and Julian, assignors.)
United Shoe Machinery Corporation. (See Laud, Thomas, assignor.)
United States Fire Works Manufacturing Company, The. (See Macchia, Camillo, assignor.)
Utility Compressor Company. (See Holley, Clarence M., assignor.)

Van Allen, George L. (See Maculen, F., and Van Allen.)
Van Bloem, Paul S., Hempstead, N. Y., assignor to The Viking Products Corporation, New York, N. Y. Window illuminator and sign. 1,464,228; Aug. 7.
Van Doren, Frank J., Los Angeles, Calif., assignor to Wagner Woodruff Co. Show-case lamp. Des. 62,857; Aug. 7.
Van Dyck, Stumpers. (See Brekelmans, Franciscus J., assignor.)
Van Heusen, John M., Boston, Mass., assignor to Van Heusen Products, Inc. Collar. 1,463,932; Aug. 7.
Van Heusen Products, Inc. (See Van Heusen, John M., assignor.)
Vester, Alfred Sons, Inc. (See McFadden, G. E., assignor.)
Vestine, Andrew O., assignor to Watertown Pressed Steel Company, Watertown, Mass. Gripping device or clasp. 1,464,374; Aug. 7.
Vickers Limited. (See Dawson, A. T., and Buckham, assignors.)
Vickers Limited. (See McKechnie, James, assignor.)
Victor Shoe Machinery Co. (See Johnson, L. E., Peterson, and Popp, assignors.)
Vidinghoff, Charles A., Rochester, N. Y. Work holder and clamp. 1,464,375; Aug. 7.
Viehweger, August F. W., Secaucus, assignor of one-half to P. Kronstein, Jersey City, N. J. Lock. 1,464,456; Aug. 7.
Viking Products Corporation, The. (See Van Bloem, Paul S., assignor.)
Vincon, Gustavo, Turin, Italy. Automatic firearms. 1,464,276; Aug. 7.
Visitacion, Aniceto, Brooklyn, N. Y. Multiple-writing instrument. 1,463,983; Aug. 7.
Von Allmen, Christian, Louisville, Ky. Jar closure. 1,463,856; Aug. 7.

Wagner, H. L., Co. (See Pedersen, Thomas W., assignor.)
Wagner, Ole C., Seattle, Wash. Wire spiller and lifting net. 1,463,857; Aug. 7.
Wagner Woodruff Co. (See Van Doren, Frank J., assignor.)
Wainwright, William W., Tacoma, Wash. Combination valve and dust cap. 1,464,376; Aug. 7.
Waite, Jackson L., assignor of one-fourth to A. S. Fenzel, nine-fortieths to C. Fenzel, and one-twentieth to J. M. Jenefsky, Middletown, Ohio. Oscillating machine. 1,464,051; Aug. 7.
Waldheim, John, Elizabeth, N. J., assignor to Underwood Typewriter Company, New York, N. Y. Typewriting machine. 1,464,122; Aug. 7.
Waldo, Willis G. (See Peacock, Samuel, assignor.)
Wales, Nathaniel B., New York, N. Y. Method of and structure for utilizing superheated liquid fuels. 1,464,253; Aug. 7.
Walker, Thomas E., assignor to Crittall Casement Window Co., Detroit, Mich. Tension device for casement windows. 1,464,229; Aug. 7.
Walker, Wilbur L., La Grange, Ill. Adjustable tie bar for switches. 1,463,984; Aug. 7.
Walsh, Richard, Mobile, Ala. Marine boiler. 1,463,933; Aug. 7.
Wandve, John H., Ketchikan, Alaska. Trolling spoon. 1,463,858; Aug. 7.
Warner Gear Company. (See White, Samuel O., assignor.)
Waser, Carl R., assignor to Precision Thermometer & Instrument Company, Philadelphia, Pa. Method and apparatus for coordinating the pressure columns of liquid-pressure gauges. 1,464,254; Aug. 7.
Waters, Charles B., Montclair, N. J. Electric welding apparatus. 1,464,145; Aug. 7.
Watertown Pressed Steel Company. (See Vestine, Andrew O., assignor.)
Weaver, Amandus, Philadelphia, Pa. Fruit picker. 1,463,859; Aug. 7.

Webster, Howard J., Philadelphia, Pa. Furnace grate bar. 1,464,190; Aug. 7.
Weeks, Carl, Des Moines, Iowa. Perfume bottle. Des. 62,858; Aug. 7.
Wehrung, Joseph. (See Helmer, C. H., and Wehrung.)
Weidlich, Arthur, Vienna, Austria. Apparatus for grinding twist drills. 1,463,987; Aug. 7.
Weintz, William L., assignor to J. E. Porter Corporation, Ottawa, Ill. Farrowing rail. 1,464,302; Aug. 7.
Weis, John P., assignor to Metropolitan Sewing Machine Corporation, Nyack, N. Y. Sewing machine. 1,464,377; Aug. 7.
Wellman-Seaver-Morgan Company, The. (See Reese, Arthur G., assignor.)
Wendel, Frans B., Brooklyn, N. Y. Container. 1,464,457; Aug. 7.
Wenzel, Edwin H., Milwaukee, Wis. Game of chance. 1,464,019; Aug. 7.
West, Joseph W., Bearden, Ark. Perpetual calendar. 1,464,191; Aug. 7.
Western [illegible]rick Company. (See Butterworth, Frank W., assignor.)
Western Cartridge Company. (See O'Neil, A S., and Evans, assignors.)
Western Electric Company. (See Beatty, William E., assignor.)
Western Electric Company. (See Booth, W. T., and Boyd, assignors.)
Western Electric Company. (See Carpenter, Warren W., assignor.)
Western Electric Company. (See Cummings, George C., assignor.)
Western Electric Company. (See Field, J. C., and McCarthy, assignors.)
Western Electric Company. (See Fondiller, William, assignor.)
Western Electric Company. (See Ford, William H. D., assignor.)
Western Electric Company. (See Gilson, Albert F. F., assignor.)
Western Electric Company. (See Hancock, Edmund W., assignor.)
Western Electric Company. (See Harris, Jonathan W., assignor.)
Western Electric Company. (See Hartley, Ralph V. L., assignor.)
Western Electric Company. (See Helsing, Raymond A., assignor.)
Western Electric Company. (See Hinrichsen, Edward E., assignor.)
Western Electric Company. (See Kopp, Ottmar H., assignor.)
Western Electric Company. (See Loewe, Siegmund, assignor.)
Western Electric Company. (See Lundell, A. E., and Clark, assignors.)
Western Electric Company. (See Maxfield, Joseph P., assignor.)
Western Electric Company. (See Miller, Daniel D., assignor.)
Western Electric Company. (See Nicolson, Alexander M., assignor.)
Western Electric Company. (See Polinkowsky, Lipa, assignor.)
Western Electric Company. (See Read, Harry S., assignor.)
Western Electric Company. (See Reddig, Charles E., assignor.)
Western Electric Company. (See Stokely, Ray L., assignor.)
Western Electric Company. (See Stoller, H. M., and Matthews, assignors.)
Western Electric Company. (See Stoller, Hugh M., assignor.)
Western Electric Company. (See Ulrich, Horace W., assignor.)
Western Electric Company. (See Wilson, William, assignor.)
Westinghouse Electric and Manufacturing Company.) (See Sacchi, Gustavo A., assignor.)
Westinghouse Lamp Company. (See Whitmore, J. B., and Ferguson, assignors.)
Weyel, August W., deceased, Baltimore, Md.; E. M. Weyel, administratrix. Meat hook. 1,464,160; Aug. 7.
Weyel, Eleanor M., administratrix. (See Weyel, August W.)
Whartenby, Frank L., Upper Sandusky, Ohio. Lock for closures of burial vaults. 1,464,458; Aug. 7.
Wherland, Herbert L., Lamberton, Minn. Apparatus for maintaining a substantially constant level of water in tanks. 1,463,986; Aug. 7.
Whitaker, Frank P., Rugby, England, assignor to General Electric Company. Dynamo-electric machine. 1,464,123; Aug. 7.
White, Clark C., Delhi, Iowa. Chicken-brooder coop. 1,464,459; Aug. 7.
White, Samuel O., assignor to Warner Gear Company, Muncie, Ind. Clutch. 1,464,489; Aug. 7.
Whitelaw, George P., 2d, St. Louis, Mo. Valve. 1,464,303; Aug. 7.
Whitin Machine Works. (See Helland, Sigurd H., assignor.)
Whitmore, James B., and J. E. Ferguson, Bloomfield, N. J., assignors to Westinghouse Lamp Company. Filament clamper. 1,464,364; Aug. 7.
Widdowson, Tom, Nottingham, England. Circular-knitting machine. 1,464,052; Aug. 7.
Widell, Magnus E., Maywood, and W. A. Smith, Geneva, Ill., assignors to American Can Company, New York, N. Y. Gasket-lining machine. 1,463,915; Aug. 7.
Wiehr, John C., Marine City, Mich. Automobile signal. 1,464,460; Aug. 7.
Wiggins, Clarence E., Delhi, La. Resilient wheel. 1,464,461; Aug. 7.
Wightman, Andrew R., Malden, Mass. Combined radiator cap and relief valve for automobiles. 1,464,230; Aug. 7.
Wilburger, William, Brooklyn, N. Y. Envelope for disk records. 1,464,378; Aug. 7.
Wildman Rubber Company, The. (See Wildman, William W., assignor.)
Wildman, William W., assignor to The Wildman Rubber Company, Bay City, Mich. Mode of manufacturing inner tubes. 1,463,987; Aug. 7.
Wile, Solomon, Rochester, N. Y. Slicing machine. 1,464,053; Aug. 7.
Wilh. Schaumans Tarso Aktiebolag. (See Terlinden, Richard W., assignor.)
Wilkey, Constantine A., Perth Amboy, N. J. Portable fence. 1,464,305; Aug. 7.
Willerton, William, Hillyard, Wash. Rotary engine. 1,463,988; Aug. 7.
Williams, Frank D., Los Angeles, Calif. Printing motion pictures. 1,464,054; Aug. 7.
Willson, Russell A., Spokane, Wash. Antiaircraft shell. 1,464,192; Aug. 7.
Wilson, Edward, assignor to Wilson Engineering Company, St. Louis, Mo. Compressor. 1,463,989; Aug. 7.
Wilson, Edward, assignor to Wilson Engineering Company, St. Louis, Mo. Oil separator. 1,463,990; Aug. 7.
Wilson Engineering Company. (See Wilson, Edward, assignor.)
Wilson, Robert E. (See Hutchinson, Richard A., assignor.)
Wilson, William, East Orange, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y. Thermionically-active substance and making the same. 1,464,124; Aug. 7.
Wilson, William, Maplewood, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y. Electron-discharge device. 1,463,860; Aug. 7.
Winans, Daniel M., assignor to The Brewer-Titchener Corporation, Binghamton, N. Y. Door curtain for vehicles. 1,464,379; Aug. 7.
Winkley, Frank D., Madison, Wis., assignor, by mesne assignments, to The Bassick Manufacturing Company. Lubricating apparatus. 1,463,861; Aug. 7.
Wirkkala, Oscar A., Rome Township, Whatcom County, Wash. Logging choker rigging. 1,464,161; Aug. 7.
Wirkkala, Oscar A., Kent, Wash. Choker hook. 1,464,162; Aug. 7.
Wittenberg, Carl. (See Schodder, Ludwig, assignor.)
Wittmann, Joseph H., Kansas City, Mo. Luggage carrier for motor vehicles. 1,463,991; Aug. 7.
Wolf, Arthur A., Phoenix, Ariz. Feed hopper. 1,463,862; Aug. 7.
Wood, Henry A. W., assignor to Wood Newspaper Machinery Corporation, New York, N. Y. Sheet-throw-out mechanism. 1,464,462; Aug. 7.
Wood, Henry A. W., assignor to Wood Newspaper Machinery Corporation, New York, N. Y. Paper-roll-changing apparatus. 1,464,463; Aug. 7.
Wood Newspaper Machinery Corporation. (See Wood, Henry A. W., assignor.)
Wright, Alva O., North Salem, Ind. Emergency attachment for automobile wheels. 1,464,055; Aug. 7.
Wright, George H., Spokane, Wash. Seed-dispensing mechanism for planters. 1,464,464; Aug. 7.

Yagi, Chusuke. (See Motoki, M., and Yagi.)
Yegen, John, Bismarck, N. Dak. Removing stumps. 1,463,916; Aug. 7.
Yezek Frank A., Plymouth, Iowa. Posthole digger. 1,464,231; Aug. 7.

Zents, Raymond P., Omaha, Nebr. Concrete insert. 1,463,863; Aug. 7.
Zettel, Herbert A., St. Paul, Minn. Airplane. 1,463,917; Aug. 7.
Ziganek, Ferdinand. (See Copony, A., and Ziganek.)
Zimmermann, Raul F., Buenos Aires, Argentina. Electrical heating device. 1,464,255; Aug. 7.
Zimansky, Curt F. (See Price, G. W., and Zimansky.)

ALPHABETICAL LIST OF INVENTIONS

FOR WHICH

PATENTS WERE ISSUED ON THE 7TH DAY OF AUGUST, 1923.

NOTE.—Arranged in accordance with the first significant character or word of the name (in accordance with city and telephone directory practice). **Includes patents, reissues, and designs.**

Advertising device. G. E. Herlihy. 1,464,099; Aug. 7.
Aeroplanes, Safety appliance for. J. Radon. 1,464,339; Aug. 7.
Agricultural implements, Means for coupling. H. Ferguson. 1,464,130; Aug. 7.
Aircraft fitting. C. W. Hall. 1,463,888; Aug. 7.
Air motor. I. Glanschnig. 1,464,070; Aug. 7.
Airplane. H. A. Zettel. 1,463,917; Aug. 7.
Air vent, Humidifying. A. Ramsey. 1,464,110; Aug. 7.
Alarm: *See*—
  Burglar alarm.
Alloy, Air-hardening steel. W. F. Finkl. 1,464,174; Aug. 7.
Amalgamating mill. D. L. Penrod. 1,464,293; Aug. 7.
Amusement device. A. Friedrich. 1,464,201; Aug. 7.
Anchor, Stockless. G. H. James. 1,464,364; Aug. 7.
Angle-lath-cutting machine. F. J. Brekelmans. 1,463,791; Aug. 7.
Anhydrous aluminum chloride, Regeneration of. G. R. Steuart. 1,464,373; Aug. 7.
Animal trap. R. L. Baldwin. 1,463,787; Aug. 7.
Animal trap. M. Gnoinsky. 1,464,358; Aug. 7.
Animal trap. P. Kayaukluk. 1,464,429; Aug. 7.
Animal trap. J. Schoonhoven. 1,463,846; Aug. 7.
Animal trap. D. P. Stark and G. A. Higbee. 1,464,453; Aug. 7.
Ant trap. J. W. Pollock. 1,464,394; Aug. 7.
Antenna system. W. T. Booth and W. A. Boyd. 1,464,168; Aug. 7.
Antiaircraft shell. R. A. Willson. 1,464,192; Aug. 7.
Assembling tool. T. F. Cullen. 1,464,129; Aug. 7.
Automobile lock and theft notice. L. H. Oberreich. 1,464,186; Aug. 7.
Automobile signal. H. L. Staples. 1,464,451; Aug. 7.
Automobile signal. J. C. Wiehr. 1,464,460; Aug. 7.
Automobile spring. J. W. Bobb. 1,464,238; Aug. 7.
Automobile timer. M. Forder. 1,464,383; Aug. 7.
Automobile wheels, Emergency attachment for. A. O. Wright. 1,464,055; Aug. 7.
Automobiles, Combined radiator cap and relief valve for. A. R. Wightman. 1,464,230; Aug. 7.
Automobiles, Dirigible bumper and headlight for. S. Kuno. 1,464,205; Aug. 7.
Automobiles, Hand-operating controlling device for. F. H. Stocking and W. M. Farrow, sr. 1,463,853; Aug. 7.
Automobiles, Reserve carrier for. A. Brodin. 1,463,792; Aug. 7.
Automobiles, Starting crank holder for. J. W. Martin. 1,464,438; Aug. 7.
Axle, Vehicle. A. W. Russel. 1,463,912; Aug. 7.
Baby carrier. K. S. Blekastad. 1,464,404; Aug. 7.
Baby walker, Collapsible. E. Humphreville. 1,463,819–20; Aug. 7.
Badge. G. E. Corbett. Des. 62,814; Aug. 7.
Bag-opening machine. O. N. Ritchie and H. C. Boykin. 1,463,842; Aug. 7.
Bags and the like, Means for facilitating the carrying of traveling. A. V. Smith. 1,463,977; Aug. 7.
Bailer. A. Boynton. 1,464,239; Aug. 7.
Bait trap, Artificial-. J. M. Kishpaugh. 1,464,387; Aug. 7.
Ball-collecting device. J. P. Ryan. 1,463,845; Aug. 7.
Bar: *See*—
  Grate bar.
Barking apparatus. H. Guettler. 1,463,887; Aug. 7.
Baseball-umpire's indicator. W. M. Tyner. 1,464,227; Aug. 7.
Bath, Vapor or hot-air. I. Friedlander. 1,464,093; Aug. 7.
Bathtub leg. G. F. Honold. 1,463,955; Aug. 7.
Battery: *See*—
  Dry-cell battery.
Battery elements, Making storage-. L. N. Bent. 1,463,864; Aug. 7.
Battery plate, Storage-. J. Barna. 1,463,788; Aug. 7.
Bearing, Antifriction. A. J. Gillespie. 1,464,316; Aug. 7.
Bearing construction. V. W. Pagé. 1,464,393; Aug. 7.
Bearing, Roller side. A. Stucki. 1,464,275; Aug. 7.
Bed, Antivermin. L. Royák. 1,464,397; Aug. 7.
Bed, dresser, and chiffonier, Combination. A. Rybicky. 1,464,295; Aug. 7.
Belt. F. M. Herz. Des. 62,819; Aug. 7.
Belt and the like, Driving. H. Guillou. 1,463,812; Aug. 7.
Belt box. A. A. Geimer. 1,463,948; Aug. 7.
Belt lacing, Rolled. H. Hemmerdinger. 1,464,426; Aug. 7.
Belts, Tightening device for driving. E. O. Di Genova. 1,464,411; Aug. 7.
Billiard tables and the like, Pocket of. C. Kirton and H. J. Gaudie. 1,464,006; Aug. 7.
Binder, Loose-leaf. J. M. Gardiner. 1,464,313; Aug. 7.
Binder, Loose-leaf. S. G. Newborn. 1,464,185; Aug. 7.
Bit: *See*—
  Drill bit.
Bituminous mastic and making and applying the same. G. A. Henderson. 1,464,481; Aug. 7.
Bituminous paving mixtures, Making. F. S. Besson. 1,464,488; Aug. 7.
Blanket, Printer's. A. F. Decker. 1,464,242; Aug. 7.
Block: *See*—
  Building block.
Blocks, Juvenile. W. C. Hadley. 1,464,421; Aug. 7.
Boiler: *See*—
  Marine boiler.
Boiler prime preventer. J. H. Stockholder. 1,464,225; Aug. 7.
Bookkeeping, Form for machine. W. C. Taylor. 1,463,929; Aug. 7.
Book-stitching machine. M. Christensen. 1,463,940; Aug. 7.
Booth, Customer's waiting. B. W. Klein. Des. 62,824; Aug. 7.
Bottle filling and capping machine. I. R. Hippenmeyer and C. Skidd. 1,463,998; Aug. 7.
Bottle, Perfume. C. Weeks. Des. 62,858; Aug. 7.
Box: *See*—
  Belt box.
  Metal box.
Brace: *See*—
  Screen-door brace.
Brake: *See*—
  Coaster brake.
  Sled brake.
  Internal brake.
Brake-setting device, Automatic. S. R. Hardy and R. A. Cochran. 1,464,039; Aug. 7.
Brake shoe. J. S. Thompson. 1,463,981; Aug. 7.
Brake slack adjuster. W. C. Hunter. 1,463,821; Aug. 7.
Brick, Forming texture. F. W. Butterworth. 1,463,936; Aug. 7.
Brick, Sanded texture. F. W. Butterworth. 1,463,937; Aug. 7.
Broaching and similar machine. J. McKechnie. 1,463,899; Aug. 7.
Brooder. W. G. Campbell. 1,464,407; Aug. 7.
Brush cleaner, Metallic. J. Fritz. 1,463,809; Aug. 7.
Bucket. W. L. Thompson. 1,464,454; Aug. 7.
Buckle. C. R. Amidano. 1,464,381; Aug. 7.
Buckle. A. Primak. 1,464,188; Aug. 7.
Buckle, Belt. A. L. Bloom. 1,464,147; Aug. 7.
Buckle, Belt. E. S. Mix. 1,463,904; Aug. 7.
Buckle, Belt. W. J. Morse. Des. 62,847–9; Aug. 7.
Building block, Interlocking. C. Pipitone. 1,463,969; Aug. 7.
Building construction. W. L. Ross. 1,464,445; Aug. 7.
Building construction. B. H. Simonson. 1,464,189; Aug. 7.
Bunching machine. H. Pease. 1,464,332; Aug. 7.
Burglar alarm. A. J. Shimp. 1,464,050; Aug. 7.
Burner attachment. F. C. Piers. 1,463,837; Aug. 7.
Bushes or sockets to platelike bodies by flanging, Means for attaching. J. B. Cockburn. 1,463,799; Aug. 7.

Cabinet. E. E. Gray. Des. 62,817; Aug. 7.
Cables, Fault locater for electric. H. M. Stoller and E. M. Matthews. 1,464,119; Aug. 7.
Calculating machine. W. H. Berwick. 1,464,403; Aug. 7.
Calculating machine. F. A. Hart. 1,464,095; Aug. 7.
Calendar, Perpetual. J. W. West. 1,464,191; Aug. 7.
Call device for public rooms. J. K. Shvachka and A. S. Birnbaum-Shestakoff. 1,464,447; Aug. 7.
Can opener. O. F. Bergman. 1,464,167; Aug. 7.
Cap, Knit. I. G. Strauss. Des. 62,863; Aug. 7.
Carburetor. W. P. Pembroke. 1,464,333; Aug. 7.
Carburetor, Coal-gas. H. Swartz. 1,464,299; Aug. 7.
Car-coupler-positioning device. F. F. Gaines. 1,464,247; Aug. 7.
Car door, Dump-. G. G. Gilpin. 1,464,317; Aug. 7.
Car loader, Railway-. J. H. Johnson. 1,464,003; Aug. 7.
Cars, Truck frame for railway. E. M. Ivie. 1,463,893; Aug. 7.
Card holder, Menu-. M. W. Battle. 1,464,021; Aug. 7.
Card, Time. G. W. Odell. 1,464,330; Aug. 7.
Carrier: *See*—
  Baby carrier.
  Tire carrier.

Carton, Collapsible display. R. A. Lambert. 1,464,388; Aug. 7.
Case: *See*—
Folding case.
Caskets or the like in shipping receptacles, Means for holding burial. R. F. Paden. 1,464,216; Aug. 7.
Cellulose-ether solvent and composition. S. J. Carroll. 1,464,169–70; Aug. 7.
Cellulose ethers, Making. P. C. Seel. 1,464,158; Aug. 7.
Cement and making the same, Pitch. G. A. Henderson and R. G. Erwin. 1,464,480; Aug. 7.
Cement composition and preparing the same, Colored. J. W. Ledeboer. 1,463,961; Aug. 7.
Cemeteries, Vase for. R. I. Orr. 1,464,290; Aug. 7.
Chain connector. J. H. Bensaw. 1,464,195; Aug. 7.
Chain fastener. H. Hoy. 1,464,134; Aug. 7.
Chain, Gear. E. I. Braddock. 1,463,789; Aug. 7.
Chain-link construction. F. R. Harrison. 1,464,267; Aug. 7.
Chair: *See*—
Guard-rail chair.
Chimney and pipe cleaner. A. Gramoroski. 1,464,249; Aug. 7.
Chin rest. W. Shilling. 1,463,847; Aug. 7.
Choke rod. N. C. Gardner. 1,464,253; Aug. 7.
Choker hook. O. A. Wirkkala. 1,464,162; Aug. 7.
Cigarette and cigar holder. F. N. Taff. 1,464,300; Aug. 7.
Cinematographic apparatus. V. Kriegerbeck and J. Bautz. 1,464,284; Aug. 7.
Circle divider. W. Garland. 1,464,417; Aug. 7.
Circuits, Electric. H. S. Read. 1,464,111; Aug. 7.
Circuits, Selectives for signaling. A. M. Nicolson. 1,464,104; Aug. 7.
Circuits, Translating. J. R. Carson. 1,463,795–6; Aug. 7.
Clamp: *See*—
Furniture clamp.
Hose clamp.
Saw set and clamp.
Work holder and clamp.
Clarifiers, Filter cap for centrifugal. J. Howarth. 1,464,179; Aug. 7.
Clasp: *See*—
Jewelry clasp.
Cleaner: *See*—
Brush cleaner.
Chimney and pipe cleaner.
Gas cleaner.
Oil-tube cleaner.
Windshield cleaner.
Cleaning device. C. W. Putt. 1,463,925; Aug. 7.
Clip. G. B. Dusinberre. 1,464,151; Aug. 7.
Clock, Advertising. D. L. Hoover. 1,464,475; Aug. 7.
Clock case. J. H. McDaniel. Des. 62,859; Aug. 7.
Clutch. L. K. Scotford. 1,463,975; Aug. 7.
Clutch. S. O. White. 1,464,489; Aug. 7.
Clutch, Friction. T. L. Fawick. 1,464,173; Aug. 7.
Clutch, Friction. E. W. Starkey. 1,464,251; Aug. 7.
Clutch mechanism. W. Kennedy. 1,464,077; Aug. 7.
Coal and other minerals, Apparatus for washing and sorting. A. France. 1,464,035; Aug. 7.
Coaster brake. N. W. Baechle. 1,464,465; Aug. 7.
Coated or impregnated body and preparing the same. H. A. Gardner. 1,463,884; Aug. 7.
Coating apparatus. J. W. Cosgrove and G. J. Jullan. 1,463,801; Aug. 7.
Collar. J. M. Van Heusen. 1,463,932; Aug. 7.
Collar hook. H. C. Clark. 1,464,257; Aug. 7.
Combing machine. J. Holdridge. 1,463,816; Aug. 7.
Combing machines, Detaching motion for. S. H. Helland. 1,464,098; Aug. 7.
Combination lock. W. H. Jay. 1,464,281; Aug. 7.
Composite fabric. P. T. Jackson. 1,464,155; Aug. 7.
Compressor. E. Wilson. 1,463,989; Aug. 7.
Concrete, Bituminous. G. A. Henderson. 1,464,482; Aug. 7.
Concrete building boards or slabs, Making. W. C. Richman. 1,463,841; Aug. 7.
Concrete insert. R. P. Zents. 1,463,863; Aug. 7.
Concreting structural beams, Hanger device for. S. I. Pedigo. 1,463,967; Aug. 7.
Container. I. W. Chernoff. 1,464,127; Aug. 7.
Container. P. G. Ross. 1,464,395; Aug. 7.
Container. S. Schopflocher. 1,464,273; Aug. 7.
Container. F. B. Wendel. 1,464,457; Aug. 7.
Container, Compact. I. B. Eppenstein. 1,464,355; Aug. 7.
Containers, Label for poisonous. L. M. Avenson and J. L. Hagie. 1,464,347; Aug. 7.
Control system. A. A. Gazda. 1,463,947; Aug. 7.
Coop, Chicken-brooding. C. C. White. 1,464,459; Aug. 7.
Corrugating machine. G. A. and A. F. Trachte. 1,464,018; Aug. 7.
Corset. C. Munter. 1,463,833; Aug. 7.
Corset closure. C. Petersen. 1,464,217; Aug. 7.
Counting device. J. Rousso. 1,463,910; Aug. 7.
Coupling: *See*—
Shaft coupling.
Cow-holding stanchion, Automatic. J. F. Troth. 1,464,159; Aug. 7.
Crab-net frame. I. Franklin. 1,464,092; Aug. 7.
Crib, Infant's. G. L. Hempy. 1,463,953; Aug. 7.
Crockery and other domestic utensils, Apparatus for washing. W. J. N. Mann. 1,464,436; Aug. 7.
Crusher. O. J. Moussette. 1,463,921; Aug. 7.
Crusher rolls, Machine for truing. J. Richardson. 1,464,046; Aug. 7.
Crutches, Tip for. W. G. Bell. 1,464,057; Aug. 7.
Current-controlling device. E. O. Schweitzer. 1,463,974; Aug. 7.
Cuspidor, Dental fountain. A. Pfiantzer. Des. 62,850; Aug. 7.
Curtain-stretcher hinge. N. B. Allen. 1,463,783; Aug. 7.
Cutting device. P. Cusimano. 1,463,941; Aug. 7.
Cutting implement, Corn and stalk. S. Ducsay. 1,464,354; Aug. 7.
Damper regulator, Automatic. M. F. Hutchison. 1,464,100; Aug. 7.
Dehydrator. R. L. Puccinelli. 1,464,338; Aug. 7.
Diaphragms, Adjustable mold for forming leather. E. M. Moran. 1,464,369; Aug. 7.
Deodorizing and disinfecting cases or containers. C. J. Shimer. Des. 62,861; Aug. 7.
Dental articulator or relator. J. Homer. 1,464,474; Aug. 7.
Dental floss holder. F. C. Roberts. 1,464,013; Aug. 7.
Denture. J. Petry. 1,463,968; Aug. 7.
Depth and height gauge, Combined. L. J. Hogarty. 1,464,428; Aug. 7.
Die head. W. H. Gates. 1,464,177; Aug. 7.
Digger: *See*—
Posthole digger.
Dipping apparatus. E. Kraft. 1,463,960; Aug. 7.
Direction indicator. R. N. McClure. 1,463,826; Aug. 7.
Discrete masses, Drying apparatus for. T. C. Lazier. 1,464,324; Aug. 7.
Disk records, Envelope for. W. Wilburger. 1,464,378; Aug. 7.
Display card and insert for boxes. D. Levigton. 1,464,182; Aug. 7.
Display case. H. L. Beach. Des. 62,812; Aug. 7.
Display device. W. A. Ringler. 1,464,340; Aug. 7.
Display fixture. C. V. Daiger. 1,464,241; Aug. 7.
Display rack. S. M. Scherer. 1,464,343; Aug. 7.
Display stand for pencils or the like. L. W. Faber. 1,463,805; Aug. 7.
Display stand or similar article. W. H. Fayle. Des. 62,816; Aug. 7.
Distilling apparatus. N. H. Freeman. 1,464,246; Aug. 7.
Dishwashing apparatus. H. Rosenbaum. Re15,670; Aug. 7.
Doll, Headdress for a. A. Corenson. Des. 62,860; Aug. 7.
Door, Grain. D. R. Cameron. 1,464,059; Aug. 7.
Door opener and curtain carrier, Combined. H. Ambus. 1,464,400; Aug. 7.
Doorcheck. C. F. Silberman. 1,464,448; Aug. 7.
Double-end hook. J. Campbell. 1,464,027; Aug. 7.
Douche table. L. Gish. 1,464,420; Aug. 7.
Draft hitch. W. B. Schiltz. 1,464,446; Aug. 7.
Drill bit. E. W. Shimin. 1,463,848; Aug. 7.
Drills, Apparatus for grinding twist. A. Weldfich. 1,463,985; Aug. 7.
Drilling apparatus. G. H. Gilman and P. A. Haines. 1,464,456; Aug. 7.
Drums, Safety device for gas. W. J. Traxel. 1,464,226; Aug. 7.
Dry-cell battery, Renewable primary. W. S. Pee. 1,464,413; Aug. 7.
Drying apparatus. T. C. Lazier. 1,464,325; Aug. 7.
Dynamo-electric machine. F. P. Whitaker. 1,464,123; Aug. 7.
Elbows, Method of and means for making adjustable. G. F. Hauf. 1,464,318; Aug. 7.
Electric heater. L. P. Hynes. 1,464,280; Aug. 7.
Electric controlling device. W. W. Drummond. 1,464,470; Aug. 7.
Electric-line insulator. B. G. C. Stephens. 1,463,852; Aug. 7.
Electric motor. F. P. Mansbendel. 1,464,184; Aug. 7.
Electrical connector. H. A. Douglas. 1,464,468; Aug. 7.
Electrical heating device. R. F. Zimmermann. 1,464,255; Aug. 7.
Electrical ignition system. C. E. Reddig. 1,464,112; Aug. 7.
Electrical ignition system. H. M. Stoller. 1,464,120; Aug. 7.
Electrical resistance element. F. A. Fahrenwald. 1,464,312; Aug. 7.
Electromagnetic device. G. C. Cummings. 1,464,088; Aug. 7.
Electromagnetic device. W. H. D. Ford. 1,464,091; Aug. 7.
Electromagnetic device. D. D. Miller. 1,463,831; Aug. 7.
Electron-discharge device. W. Wilson. 1,463,860; Aug. 7.
Electron-emitting cathode and manufacturing same. J. W. Harris. 1,464,813; Aug. 7.
Elevator-control system, Hydraulic-. W. H. Hartman. 1,463,995; Aug. 7.
Elevators, Safety device for loading. B. F. Sparling. 1,464,450; Aug. 7.
Engine: *See*—
Internal-combustion engine.
Rotary engine.
Engine operated by liquid fuel and working the same. K. O. Keller. 1,464,268; Aug. 7.
Engines, Automatic air device for internal-combustion. C. A. Rivers. 1,463,909; Aug. 7.
Engines, Combined atomizer and vaporizer for oil. A. C. Smith. 1,463,849; Aug. 7.
Engines, Ignition device for internal-combustion. E. H. Tartrais. 1,463,855; Aug. 7.

Engines, Means for heating combustible mixture for internal-combustion. H. D. Church. 1,464,466; Aug. 7.
Engines of motor vehicles, Air-cooling system for. A. H. Fox. 1,464,357; Aug. 7.
Engines, Timer for ignition systems for internal-combustion. J. Galamb. 1,463,946; Aug. 7.
Envelope. J. J. McDermott. 1,464,435; Aug. 7.
Envelope fastener. F. W. Curman. 1,464,240; Aug. 7.
Envelope-making machines, Feeler and counter mechanism for. A. E. Augustine. 1,464,306; Aug. 7.
Expandible stopper. G. J. Leuvelink. 1,463,824; Aug. 7.
Explosive and producing same. W. B. Sturgis. 1,463,980; Aug. 7.
Explosive, Propellant. A. S. O'Neil and R. R. Evans. 1,464,012; Aug. 7.
Extensible table. I. Cooklin. 1,464,409; Aug. 7.
Eye, Comic artificial. E. C. Mitchell. 1,464,211; Aug. 7.
Eye-exercising device. N. Y. Hull. 1,464,075; Aug. 7.
Fabric: *See*—
Composite fabric.
Fans, Air-moistener attachment for. T. M. Bennett. 1,464,401; Aug. 7.
Fare token. P. N. Jones. Des. 62,820; Aug. 7.
Fastener, Molding and metal. I. W. Cochran. 1,464,258; Aug. 7.
Faucet. T. Coonan. 1,463,800; Aug. 7.
Feed hopper. A. A. Wolf. 1,463,862; Aug. 7.
Fence, Portable. C. A. Wilkey. 1,464,305; Aug. 7.
Fencepost. E. H. Lindstrom and R. V. Seaholm. 1,464,326; Aug. 7.
Fenceposts, Driving cap for. P. J. Hindmarsh. Re15,669; Aug. 7.
Ferrule. H. C. Redmond, sr. 1,463,840. Aug. 7.
Filament and making same, Artificial textile. J. Rousset. 1,464,048; Aug. 7.
Filament clamper. J. B. Whitmore and J. E. Ferguson. 1,464,304; Aug. 7.
File for letters, documents, and the like. A. M. McNeill, W. J. Abbott. 1,463,827; Aug. 7.
Film hangers, Order holder for. A. E. Nelson. 1,464,157; Aug. 7.
Film-operating machine. G. Adams. 1,463,992; Aug. 7.
Film scraper. F. C. Griswold. 1,464,264; Aug. 7.
Film splicer. F. C. Griswold. 1,464,265; Aug. 7.
Films for kinetoscopes, Preparing. J. S. Dawley. 1,463,802; Aug. 7.
Fire arch. H. A. Poppenhusen. 1,463,971; Aug. 7.
Firearms, Automatic. G. Vinçon. 1,464,276; Aug. 7.
Fire-extinguisher holder. R. C. Iddings. 1,464,001; Aug. 7.
Fishing reel. T. E. Malleson. 1,463,828; Aug. 7.
Fishing lines, Spreader for. D. Abernethy. 1,464,163; Aug. 7.
Fishing pole, Automatic. F. E. Fantz. 1,464,067; Aug. 7.
Fish lure. A. Olson. 1,464,215; Aug. 7.
Flanges on plates, Method and apparatus for manufacture of. F. Ljundström. 1,464,434; Aug. 7.
Floor mat. J. H. Bruninga. 1,464,026; Aug. 7.
Floor-scrubbing machine. G. L. Daly. 1,464,031; Aug. 7.
Fluid meter. R. S. Blair. 1,463,865; Aug. 7.
Fluid spreader or marking device. R. E. Ollerenshaw. 1,464,214; Aug. 7.
Flying machine. P. Fedoryszak. 1,464,356; Aug. 7.
Flycatcher. A. S. Hawkes. 1,464,133; Aug. 7.
Flying machines, Propulsion means for. A. E. Beebe. 1,464,233; Aug. 7.
Folding case. J. W. O. Orban. 1,464,391; Aug. 7.
Folding machine. W. Downing. 1,463,879; Aug. 7.
Folding table. G. A. C. Monroe. 1,464,440; Aug. 7.
Food product and preparing same. C. W. Hess. 1,463,954; Aug. 7.
Forging mechanism. F. A. Halleck. 1,464,094; Aug. 7.
Frame: *See*—
Crab-net frame.
Plow frame.
Fruit picker. A. Weaver. 1,463,859; Aug. 7.
Fuels, Method of and structure for utilizing superheated liquid. N. B. Wales. 1,464,253; Aug. 7.
Furnace: *See*—
Muffle furnace.
Refuse-destructor furnace.
Furnace. R. Marx. 1,464,210; Aug. 7.
Furnace appliance. O. L. Rundell. 1,464,272; Aug. 7.
Furnaces, Conductor flue for. N. M. Hartzell. 1,464,385; Aug. 7.
Furnaces, Draw-off for electric. F. Pope. 1,463,970; Aug. 7.
Furnaces, Method of and apparatus for reversing and controlling regenerative. G. H. Isley. 1,464,002; Aug. 7.
Furniture, Built-in disappearing. C. R. Cox. 1,464,352; Aug. 7.
Furniture clamp. J. M. Lancaster. 1,464,389; Aug. 7.
Fuse, Cartridge. H. Goodwin. 1,463,885; Aug. 7.
Game. J. A. Ross. 1,464,047; Aug. 7.
Game apparatus. R. M. Chisolm. 1,463,871; Aug. 7.
Game apparatus. J. C. Gates. 1,464,314; Aug. 7.
Game of chance. E. H. Wenzel. 1,464,019; Aug. 7.
Garment. A. Silverstein. 1,464,449; Aug. 7.
Garment-display stand. E. M. Le Blanc. 1,464,431; Aug. 7.
Garment fastener or holding device. E. Gerber. 1,463,949; Aug. 7.
Garment-securing strap. H. M. Brummer. 1,464,126; Aug. 7.
Gas cleaner. H. C. Ryding. 1,464,113; Aug. 7.
Gas cut-off, Automatic. A. J. Gilden. 1,464,418; Aug. 7.
Gases and gases from cracking operations, Making useful products from by-product still. C. E. Ellis. 1,464,153; Aug. 7.
Gasket-lining machine. M. E. Widell and W. A. Smith. 1,463,915; Aug. 7.
Gasoline purifier. W. C. Glover. 1,464,071; Aug. 7.
Gauges, Method and apparatus for coordinating the pressure columns of liquid-pressure. C. R. Waser. 1,464,254; Aug. 7.
Gear, Driving. A. Peterson. 1,464,108; Aug. 7.
Gear, Frictional draft. R. J. Cook. 1,463,873; Aug. 7.
Gear-generating machine, High-speed. E. R. Fellows. 1,463,806; Aug. 7.
Gear shift. H. A. Hanson. 1,464,037–8; Aug. 7.
Gear-shift mechanism. L. Morinsky. 1,464,328; Aug. 7.
Goblet or similar article. B. McCracken and C. Pirott. Des. 62,838; Aug. 7.
Golf and other games and for like purposes, Device for use in practicing the game of. O. Coughtrie. 1,464,029; Aug. 7.
Grate bar. Furnace. H. J. Webster. 1,464,190; Aug. 7.
Grave protector. L. Dwight. Des. 62,815; Aug. 7.
Grinding device. H. E. Rosenkranz. 1,464,219; Aug. 7.
Gripping device or clasp. A. O. Vestine. 1,464,374; Aug. 7.
Guard-rail chair. B. J. Fallon. 1,463,943; Aug. 7.
Gypsum, Dehydrating. F. B. Stuart and C. A. Rivers. 1,463,913; Aug. 7.
Hair-dressing chair. W. F. Koken. Des. 62,825–6; Aug. 7.
Hair work and constructing same, Plastic. R. Ernest. 1,464,089; Aug. 7.
Hairpin. A. J. Patten. 1,464,187; Aug. 7.
Hand bag and vanity box, Combined. M. Freund. 1,464,176; Aug. 7.
Hanger. H. C. Gowran. 1,464,178; Aug. 7.
Hasp. G. A. Carlson. 1,464,198; Aug. 7.
Hat-holding device. E. D. Lutz. 1,463,898; Aug. 7.
Hat-retaining device. O. H. Lemocke. 1,464,432; Aug. 7.
Head set. A. F. F. Gilson. 1,463,810; Aug. 7.
Headlight, Dirigible. J. H. Stephensmeier. 1,464,252; Aug. 7.
Headlight device. H. W. Schwartz. 1,464,016; Aug. 7.
Headlight for vehicles, Dirigible. S. R. Anderson. 1,464,125; Aug. 7.
Heater: *See*—
Electric heater.
Heating unit. H. W. Mitchell. 1,463,903; Aug. 7.
Heating unit, Electrical. F. J. Groven. 1,463,951; Aug. 7.
Heels, Manufacture of pieced lift. T. Lund. 1,463,825; Aug. 7.
High-tension disconnecting switch. F. P. Lawler. 1,464,368; Aug. 7.
Hoist, Free-chain. F. W. Coffing. 1,464,259; Aug. 7.
Hoisting mechanism, Counterbalanced. A. G. Reese. 1,464,294; Aug. 7.
Hook: *See*—
Choker hook.
Collar hook.
Double-end hook.
Meat hook.
Hose clamp. N. A. Petry. 1,464,335; Aug. 7.
Hose supporter. W. G. Agee. 1,464,380; Aug. 7.
Hubs, Means for securing rotary members of contractile material to metallic. P. J. R. Postel-Vinay. 1,463,838; Aug. 7.
Hydrocarbons, Utilizing gaseous unsaturated. C. Ellis. 1,464,152; Aug. 7.
Ice cream, Bricking. R. H. Smith. 1,463,851; Aug. 7.
Ice cream, Machine for bricking. R. H. Smith. 1,463,850; Aug. 7.
Ice, Process of and apparatus for manufacturing. R. F. Lindsay. 1,464,433; Aug. 7.
Ignition device. C. A. Bowlus. 1,464,307; Aug. 7.
Ignition system. J. H. Hunt. 1,463,956; Aug. 7.
Inclosed switch. C. D. Platt. 1,463,908; Aug. 7.
Indicator: *See*—
Baseball-umpire's indicator.
Direction indicator.
Liquid-level indicator.
Internal brake. V. W. Pagé. 1,464,392; Aug. 7.
Internal-combustion engine. F. C. Alarie. 1,464,164; Aug. 7.
Internal-combustion engine. H. A. Douglas. 1,464,469; Aug. 7.
Internal-combustion engine. C. E. Gary. 1,464,384; Aug. 7.
Internal-combustion engine. J. C. Peraza. 1,464,334; Aug. 7.
Internal-combustion engine. J. V. Rice, jr. 1,463,973; Aug. 7.
Internal-combustion engine, Rotary. G. Baumann and J. Hopta. 1,463,784; Aug. 7.
Internal-combustion engine, Rotary. S. B. Collier. 1,464,408; Aug. 7.
Ironing machine. J. F. Patton and J. E. McAllister. 1,463,835; Aug. 7.
Ironing machine for pressing seams of clothing. H. B. Cranage. 1,464,030; Aug. 7.
Jar closure. C. Von Allmen. 1,463,856; Aug. 7.
Jars, tumblers, and other receptacles, Closure for. A. and H. Ingram. 1,463,892; Aug. 7.
Jewelry clasp. J. R. Starck. 1,464,452; Aug. 7.
Jig, Assembling and welding. J. Ledwinka. 1,464,207; Aug. 7.

Jig, Automatic drilling. E. J. Kingsbury. 1,464,005; Aug. 7.
Joint: *See*—
Railway joint.
Joint. W. M. Ingram. 1,464,386; Aug. 7.
Knitting machine, Circular-. T. Widdowson. 1,464,052; Aug. 7.
Lamp, Automobile. R. B. Benjamin. 1,464,166; Aug. 7.
Lamp bulbs, Antitheft device for electric-. T. A. Dickinson. 1,464,243; Aug. 7.
Lamp chimney or similar article. F. Kesot. Des. 62,821; Aug. 7.
Lamps, Coating for electric. M. Luckiesh. 1,464,101; Aug. 7.
Lamp, Electric. R. M. Eaton. 1,464,382; Aug. 7.
Lamp, Projection. A. R. Remark. 1,464,270; Aug. 7.
Lamp, Show-case. F. A. Van Doren. Des. 62,857; Aug. 7.
Lamp, Variable electric. J. Ardo and F. Melfo. 1,464,346; Aug. 7.
Last. C. H. Helmer and J. Wehrung. 1,463,814; Aug. 7.
Latch, Automatic window. A. L. Bourbeau. 1,463,866; Aug. 7.
Lath board, Machine and method for manufacturing. W. D. Hicks. 1,464,360; Aug. 7.
Lathes, Attachment for. D. P. Fontana. 1,464,415; Aug. 7.
Let-off mechanism. J. Northrop. 1,463,966; Aug. 7.
Letters, Producing simulated longhand-written. A. E. Chappell. 1,463,939; Aug. 7.
Level. J. R. Crisp. 1,464,467; Aug. 7.
Level, Track. C. M. Long. 1,464,285; Aug. 7.
License-plate support, Adjustable. L. Krajeski. 1,464,283; Aug. 7.
Lighting-fixture arm. G. E. McFadden. Des. 62,843; Aug. 7.
Lighting fixtures, Candle cup for. G. Ainsworth. Des. 62,811; Aug. 7.
Lighting fixtures, Lamp cover for. G. E. McFadden. Des. 62,840; Aug. 7.
Lighting fixtures, Oval plate for. G. E. McFadden. Des. 62,845; Aug. 7.
Lighting-fixture plate. G. E. McFadden. Des. 62,841; Aug. 7.
Lighting fixtures, Top for lamp covers for. G. E. McFadden. Des. 62,842; Aug. 7.
Lighting fixtures, Top for lamp covers for. G. E. McFadden. Des. 62,844; Aug. 7.
Liquid container. W. K. Gill. 1,464,419; Aug. 7.
Liquid-level indicator. E. L. Kenyon. 1,464,476; Aug. 7.
Liquids with chemical reagents, Apparatus for treating. W. Paterson. 1,464,291; Aug. 7.
Lock: *See*—
Combination lock. Oarlock.
Mortise lock.
Lock. F. M. Fish. 1,464,262; Aug. 7.
Lock. A. F. W. Viehweger. 1,464,456; Aug. 7.
Locking mechanism. L. R. Le Tang. 1,464,008; Aug. 7.
Locomotive, Steam-turbine-driven. H. Boltshauser. 1,464,024; Aug. 7.
Locomotives and the like, Smoke-discharging means for. L. Schodder. 1,464,207; Aug. 7.
Locomotives, Automatic drifting device for. B. L. Hanson. 1,464,278; Aug. 7.
Logging choker rigging. O. A. Wirkkala. 1,464,161; Aug. 7.
Loom for weaving velvet pile carpets and other pile fabrics. J. E. Grosvenor and W. T. Picking. 1,463,886; Aug. 7.
Looms, Drag roll for. J. H. Hook. 1,464,484; Aug. 7.
Looms, Pile-forming wire for pile fabric. J. Kaufmann. 1,464,181; Aug. 7.
Looms, Warp stop motion for. A. E. Rhoades. 1,464,485; Aug. 7.
Loop or grommet, Endless. W. E. Somerville. 1,463,978; Aug. 7.
Lubricating apparatus. F. D. Winkley. 1,463,861; Aug. 7.
Lumber, Drying apparatus for. T. C. Lazier. 1,464,323; Aug. 7.
Magnetic materials. Treatment of. W. Fondiller. 1,463,807; Aug. 7.
Magneto ignition system. C. F. Kettering. 1,463,958; Aug. 7.
Marble shooter. J. S. Jaffe. 1,463,894; Aug. 7.
Marine boiler. R. Walsh. 1,463,933; Aug. 7.
Mat: *See*—
Floor mat.
Match-box holder. A. Schiller. Des. 62,852; Aug. 7.
Mattress tuft. H. J. Burkhart. 1,464,196; Aug 7.
Meat hook. A. W. Weyel. 1,464,160; Aug. 7.
Mechanical movement. O. L. Raabe. 1,463,839; Aug. 7.
Mercury separator. J. Haverly. 1,463,996; Aug. 7.
Metal box. H. A. Beyer. 1,464,237; Aug. 7.
Metal by the electric arc, Depositing. E. H. Jones. 1,464,076; Aug. 7.
Metal-piercing apparatus. L. H. E. Bégot. 1,464,146; Aug. 7.
Metal-stamping mechanism. E. Nordstrom. 1,463,906; Aug. 7.
Metal-working machine, Automatic multiple-spindle. L. G. Daniels. 1,464,062; Aug. 7.
Metals, Production of glossy metal coatings on. A. Classen. 1,464,149; Aug. 7.
Meter: *See*—
Fluid meter.
Microscope attachment. W. T. Carter. 1,463,938; Aug. 7.
Milking machine. J. C. Beem. 1,464,490; Aug. 7.
Mill: *See*—
Amalgamating mill.
Mill machinery, Shaker mechanism for. F. J. Temple. 1,463,930; Aug. 7.
Milling machines, Overhead-arm support for. T. W. Hall. 1,464,266; Aug. 7.
Mortise lock. J. E. Hjort. 1,464,473; Aug. 7.
Mortiser, Portable. J. H., E. J., and W. B. French. 1,463,808; Aug. 7.
Motor: *See*—
Air motor. Electric motor.
Motor, Internal-combustion. R. Klossner. 1,464,282; Aug. 7.
Motor-repair stand. C. W. Dickover and E. W. Henry. 1,464,065; Aug. 7.
Motors, Controller for electric. C. E. Fairburn. 1,464,245; Aug. 7.
Motors, Fuel vaporizer for internal-combustion. T. H. Jameson, L. G. Martin. 1,463,920; Aug. 7.
Mowing-machine attachment. E. E. Kranz. 1,464,430; Aug. 7.
Muffle furnace. C. F. Geiger. 1,464,248; Aug. 7.
Musical-instrument support. C. T. Hindley. 1,464,279; Aug. 7.
Napkin-dispensing device. D. W. Hudson. 1,464,180; Aug. 7.
Needle-pointing machine. R. A. Hutchinson. 1,464,203; Aug. 7.
Net, Manufacture of twist-lace. J. Farmer. 1,464,034; Aug. 7.
Nitride, Producing boron. S. Peacock. 1,464,292; Aug. 7.
Nut wrench. L. Coes. 1,464,128; Aug. 7.
Oarlock. A. P. Malloy, jr. 1,464,390; Aug. 7.
Oil and dechlorinated oil and making same, Reaction product of tung. H. A. Gardner. 1,463,883; Aug. 7.
Oil separator. E. Wilson. 1,463,990; Aug. 7.
Oil tanks, Filler cap for. W. H. Thompson. 1,464,301; Aug. 7.
Oil-tube cleaner. W. J. Gerber. 1,464,069; Aug. 7.
Ordnance, High-angle. A. T. Dawson and G. T. Buckham. 1,464,171; Aug. 7.
Ore treatment, Hydrometallurgical process of. W. F. Gordon and E. W. Keith. 1,464,036; Aug. 7.
Ores, Desulphurizing zinciferous sulphide. W. L. Maxson. 1,463,901; Aug. 7.
Ores, Roasting sulphide. F. G. Breyer, J. P. Hubbell, and D. M. Kerr. 1,463,867; Aug. 7.
Ornamental handle and producing same. F. Krzyzewski. 1,464,367; Aug. 7.
Ornamentation. T. Pfister. 1,463,836; Aug. 7.
Oscillating machine. J. L. Waite. 1,464,051; Aug. 7.
Oxidizing phosphorus. B. G. Klugh. 1,463,959; Aug. 7.
Oxygen, Device for supplying. P. Heylandt. 1,464,319; Aug. 7.
Packing, Semimetallic. W. R. Beldam. 1,464,234; Aug. 7.
Pad: *See*—
Shoe pad.
Padlock. D. Bartolacelli. 1,464,194; Aug. 7.
Paper, cardboard and the like having drawings on it, Rendering translucent sheets of. A. Klement. 1,464,477; Aug. 7.
Paper cutter and letter opener, Combined. R. L. Baldwin. 1,463,786; Aug. 7.
Paper-drying machine. C. Nelson. 1,463,923; Aug. 7.
Paper, Making self-copying writing. A. G. E. Lundgren. 1,463,897; Aug. 7.
Paper-roll-changing apparatus. H. A. W. Wood. 1,464,463; Aug. 7.
Paving and process of paving streets, etc. R. C. Stubbs. 1,463,979; Aug. 7.
Pen, Fountain. F. Regero. 1,464,218; Aug. 7.
Pencil holder. J. E. Elmer. 1,464,066; Aug. 7.
Pencil, Self-filling lead. J. B. Dobschutz. 1,463,878; Aug. 7.
Pencil with adjustable lead. W. P. De Witt. 1,463,803; Aug. 7.
Photographic screen. M. Ruhland. 1,464,139; Aug. 7.
Picker: *See*—
Fruit picker.
Picture machines, Shutter for motion-. C. A. Gibbs and F. A. Sawyer. 1,464,472; Aug. 7.
Pictures, Printing motion. F. D. Williams. 1,464,054; Aug. 7.
Picture-projecting machine, Motion. F. Mladinich. 1,464,327; Aug. 7.
Pipe: *See*—
Smoking pipe. Tobacco pipe.
Pipe wrench, Adjustable. B. Margason. 1,464,287; Aug. 7.
Piston-control mechanism. R. H. Annison. 1,463,785; Aug. 7.
Piston rings in their grooves or removing them therefrom, Appliance for inserting. R. Allen. 1,464,056; Aug. 7.
Planters, Seed-dispensing mechanism for. G. H. Wright. 1,464,464; Aug. 7.
Plow frame. R. C. Caughey. 1,464,199; Aug. 7.
Posthole digger. F. A. Yezek. 1,464,231; Aug. 7.

Posthole-digging outfit. F. L. Crinella. 1,464,353; Aug. 7.
Press. B. N. Clary. 1,463,798; Aug. 7.
Press. C. Kehr. 1,463,895–6; Aug. 7.
Pressing machines, Supporting means for steam. G. B. Coover and H. A. Bruner. 1,464,260; Aug. 7.
Pressure-gauge connection. A. B. Dräger. 1,463,804; Aug. 7.
Printing and like machines, Sheet-feeding mechanism of. W. Chipperfield. 1,464,200; Aug. 7.
Printing forms, Producing intaglio-. E. Sauer. 1,464,140; Aug. 7.
Printing plates, Fastening device for flexible. S. C. Forrester. 1,464,068; Aug. 7.
Projectile. J. C. Daynix. 1,464,032; Aug. 7.
Projectile. H. Safford. 1,464,221; Aug. 7.
Protective device. G. R. Folds. 1,463,945; Aug. 7.
Pulp breaker. E. Ellefson. 1,463,942; Aug. 7.
Pump. H. B. Jones. 1,464,135; Aug. 7.
Pump. C. A. Sleicher. 1,464,223; Aug. 7.
Pump cylinders, Boring mill for air-. W. Hurst. 1,464,000; Aug. 7.
Pump, Fluid. G. A. Sacchi. 1,464,296; Aug. 7.
Puzzle. L. H. Hartman. 1,464,424; Aug. 7.
Rack: *See*—
Display rack. Sample rack.
Radiant energy, System for the transmission and reception of. J. H. Hammond, jr. 1,463,994; Aug. 7.
Radiator. F. G. Krakan. 1,464,269; Aug. 7.
Radio equipment, Connector for. S. Storch. 1,464,274; Aug. 7.
Radio receiving method and apparatus. F. A. Kolster. 1,464,322; Aug. 7.
Rail, Farrowing. W. L. Weintz. 1,464,302; Aug. 7.
Rail joints, Splice bar for. B. G. Braine. Re15,668; Aug. 7.
Railway joint, Safety. J. Berezik. 1,464,235; Aug. 7.
Railway switch. E. H. Hebenstreit. 1,464,040; Aug. 7.
Railway traffic-controlling apparatus. F. H. Nicholson. 1,464,105; Aug. 7.
Railway water-service device. T. E. Bart. 1,464,165; Aug. 7.
Railways, Automatic speed control for. P. J. Simmen. 1,464,141; Aug. 7.
Rake, Push. C. W. Stemers. 1,463,928; Aug. 7.
Reel: *See*—
Fishing reel.
Reel seat. J. C. Hooper. 1,464,154; Aug. 7.
Refrigerating machine. H. Guyer and E. Rüeger. 1,464,277; Aug. 7.
Refrigerating unit, Artificial. C. M. Holley. 1,463,999; Aug. 7.
Refrigerator. H. H. Hillman. 1,463,889; Aug. 7.
Refuse-destructor furnace. A. Bréchot. 1,463,790; Aug. 7.
Regulator: *See*—
Damper regulator.
Resilient wheel. C. E. Wiggins. 1,464,461; Aug. 7.
Rheostat, Pressure. H. L. Bradley. 1,464,025; Aug. 7.
Rheostat socket. C. B. King. 1,464,487; Aug. 7.
Ribbon, textile fabric, or article of similar nature. E. Speck. Des. 62,862; Aug. 7.
Rifle grenade. F. T. Burt. 1,463,993; Aug. 7.
Rim band. J. L. Kegley. 1,464,136; Aug. 7.
Rim breaker. E. Hunter. 1,463,891; Aug. 7.
Rims, Tool for contracting and expanding split. J. Sutherland. 1,463,854; Aug. 7.
Ring. T. H. Clarke. Des. 62,859; Aug. 7.
Rod: *See*—
Choke rod.
Rodents, Apparatus for destroying. H. E. Callahan. 1,464,148; Aug. 7.
Roof flashing. A. G. Butler. 1,464,406; Aug. 7.
Roller: *See*—
Shade roller.
Root-canal point. G. L. Miller. 1,463,963; Aug. 7.
Rotary engine. W. Willerton. 1,463,988; Aug. 7.
Rough rounder. L. E. Johnson, O. T. Peterson, and L. A. Popp. 1,463,823; Aug. 7.
Rubber attachment. F. J. Rothacher. 1,464,342; Aug. 7.
Rubber composition. N. D. Nielsen. 1,463,905; Aug. 7.
Rubber, Preparation for treating articles of. J. B. G. Taber. 1,464,143; Aug. 7.
Rudder, Shock-absorbing. J. V. Martin. 1,464,209; Aug. 7.
Rug, Automobile. D. W. Cushman. 1,464,061; Aug. 7.
Safe. M. Mosler and C. Bartels. 1,464,213; Aug. 7.
Sample rack. M. Goldberger. 1,463,950; Aug. 7.
Saw guide, Band-. J. B. Hunt. 1,464,042; Aug. 7.
Saw set and clamp. I. Faunce. 1,464,172; Aug. 7.
Saws as used for cutting metals, Hack and band. A. H. Evans. 1,463,880; Aug. 7.
Scraper and conveyer, Road. P. V. Randolph. 1,464,444; Aug. 7.
Screen: *See*—
Photographic screen.
Screen-door brace. S. Hewitt. 1,464,427; Aug. 7.
Screens, etc., Frame for flexible. W. Novick. 1,464,370; Aug. 7.
Seaming machine, Double-. G. M. Stevenson. 1,464,017; Aug. 7.
Seat: *See*—
Reel seat.
Selective switch. O. H. Kopp. 1,464,078; Aug. 7.
Semifluid materials, Means for dispensing. D. W. Mitchell. 1,463,902; Aug. 7.
Separator: *See*—
Oil separator.
Sewing machine. J. Leathern. 1,464,081; Aug. 7.
Sewing machine. J. P. Weis. 1,464,377; Aug. 7.
Shade roller. F. Dillon. 1,464,412; Aug. 7.
Shaft coupling. G. W. Price and C. F. Zimansky. 1,464,337; Aug. 7.
Shafts, Means for cushioning transmission. K. N. and J. Sachs. 1,464,220; Aug. 7.
Sharpening device for shears. G. N. Palser. 1,464,442; Aug. 7.
Sheet-slotting structure. H. A. Cumfer. 1,464,309; Aug. 7.
Sheet-throw-out mechanism. H. A. W. Wood. 1,464,462; Aug. 7.
Sheets arranged in piles, Holder for. P. H. Horwitt. 1,464,074; Aug. 7.
Shingle block and wall construction, Clay. A. Hardoncourt, jr. 1,464,423; Aug. 7.
Shingle, Roofing. B. C. Kridler. 1,464,366; Aug. 7.
Shoe pad, Nonslipping. G. Koetter. 1,464,365; Aug. 7.
Shoe-polishing set. A. Polansky. 1,464,336; Aug. 7.
Shoes, Shank support for. W. H. Horne. 1,464,363; Aug. 7.
Shooting, particularly game shooting, Apparatus or device for use when teaching or practicing. A. N. Tucker. 1,463,931; Aug. 7.
Shuttle, Self-threading. J. Northrop. 1,463,965; Aug. 7.
Shuttle winder. J. F. Mitchell. 1,464,212; Aug. 7.
Signal: *See*—
Automobile signal. Traffic signal.
Signal. T. Benningfield. 1,464,058; Aug. 7.
Signaling, Method of and means for secret. W. E. Beatty. 1,464,086; Aug. 7.
Signaling, Receiving apparatus for high-frequency. S. Loewe. 1,464,083; Aug. 7.
Signaling, Secret. R. V. L. Hartley. 1,464,096; Aug. 7.
Signaling system. J. C. Field and C. J. McCarthy. 1,464,090; Aug. 7.
Signaling system, Two-way-. R. A. Heising. 1,464,097; Aug. 7.
Silk, Manufacture of artificial. E. Bronnert. 1,463,793; Aug. 7.
Sizing solution and making same. J. A. De Cew. 1,464,310; Aug. 7.
Skins, etc., Apparatus for drying. E. B. Ayres. 1,464,348; Aug. 7.
Slab and floor. A. Orzali. 1,464,106; Aug. 7.
Sled brake. J. E. Soderstrom. 1,464,372; Aug. 7.
Sleigh runner. A. A. Knowles. 1,464,204; Aug. 7.
Slicing machine. S. Wile. 1,464,053; Aug. 7.
Smoking pipe. D. L. Hill. 1,464,361; Aug. 7.
Smoking pipe. W. J. Rogers. 1,463,843; Aug. 7.
Snubber. E. G. De Loe. 1,463,876; Aug. 7.
Socket cover. M. Berman. 1,464,402; Aug. 7.
Socket wrench. F. L. Haggardt. 1,464,132; Aug. 7.
Sound detector. G. H. Nash. 1,464,103; Aug. 7.
Sound producer and receiver. W. Rudolph. 1,463,911; Aug. 7.
Sound-producing mechanism. F. B. Little. 1,464,156; Aug. 7.
Soup tureen or similar article. R. R. Kintz. Des. 62,822; Aug. 7.
Spark plug. W. S. Thomas. 1,464,121; Aug. 7.
Speed of moving objects, Means to indicate the angular. W. S. Makaroff. 1,464,208; Aug. 7.
Spindle machine, Automatic multiple-. L. G. Daniels. 1,464,063; Aug. 7.
Spout, Salt-pouring. J. F. Harrington. 1,464,073; Aug. 7.
Spring: *See*—
Automobile spring.
Spring-shackle mounting. C. F. Rodin. 1,464,341; Aug. 7.
Stand: *See*—
Garment-display stand. Motor-repair stand.
Stapling device. W. Höhn. 1,463,890; Aug. 7.
Steering-wheel lock for motor vehicles. W. G. Fording. 1,464,175; Aug. 7.
Stirring apparatus. F. de Dietrich. 1,464,150; Aug. 7.
Stopper: *See*—
Expansible stopper.
Stove, Barbecue. J. Bond. 1,463,935; Aug. 7.
Stove, Camp. M. Rotstein and R. Nicholson. 1,464,271; Aug. 7.
Stove, Hot-blast. G. E. Steudel. 1,464,115; Aug. 7.
Stove, Oil cooking. W. M. Simpson. 1,463,976; Aug. 7.
Strap-tightener tool. L. Campbell. 1,463,870; Aug. 7.
Stumps, Removing. J. Yegen. 1,463,916; Aug. 7.
Sulphur chloride, Treating. J. V. Meigs. 1,464,137; Aug. 7.
Sulphur dioxide or other materials in a fluid or gaseous condition, Apparatus for feeding. C. W. Hottmann. 1,463,818; Aug. 7.
Support, Universal. A. Capony and F. Ziganek. 1,464,308; Aug. 7.
Swatter. W. I. Croyle. 1,463,875; Aug. 7.
Swimming mask. E. F. Schneidt. 1,463,926; Aug. 7.
Switch: *See*—
High-tension disconnecting switch.
Inclosed switch.
Railway switch.
Switches, Adjustable tie bar for. W. L. Walker. 1,463,984; Aug. 7.

Table: *See*—
Douche table. Folding table.
Extensible table.
Talking machine or machines in timed relation to a cinematographic machine, Apparatus for controlling the operation of. F. E. Mosley. 1,464,329; Aug. 7.
Talking machines, Brush for. J. F. and W. Borst. 1,464,405; Aug. 7.
Talking machines, Record lifter for. M. Blackman. 1,464,023; Aug. 7.
Tank: *See*—
Wheel and air tank.
Tank support, Transformer-. L. G. McClintock. 1,463,962; Aug. 7.
Tanks, Bracket for supporting closet. E. L. Ahern. 1,464,398; Aug. 7.
Tea or coffee pot or similar article. R. R. Kintz. Des. 62,823; Aug. 7.
Teeth, Anchorage for artificial. F. Maculen and G. L. Van Allen. 1,463,900; Aug. 7.
Telegraphy, Optical. L. A. Charbonneau. 1,463,797; Aug. 7.
Telephone attachment. A. B. Toppan. 1,464,455; Aug. 7.
Telephone-exchange system. E. W. Hancock. 1,464,072; Aug. 7.
Telephone-exchange system. A. E. Lundell and E. H. Clark. 1,464,084; Aug. 7.
Telephone-exchange system. H. W. Ulrich. 1,463,982; Aug. 7.
Telephone-exchange system, Automatic. L. Polinkowsky. 1,464,109; Aug. 7.
Telephone-exchange system, Machine-switching. W. W. Carpenter. 1,464,087; Aug. 7.
Telephone-exchange system, Machine-switching. R. L. Stokely. 1,464,118; Aug. 7.
Telephone system. E. E. Hinrichsen. 1,463,815; Aug. 7.
Telephone system, Automatic. W. T. Powell. 1,463,972; Aug. 7.
Telephone systems, Interoffice trunk circuits for. F. L. Baer. 1,463,934; Aug. 7.
Textile fabric. J. S. and T. F. Boyd. Des. 62,813; Aug. 7.
Textile fabric. C. E. Lord. Des. 62,827–37; Aug. 7.
Textile substances, Faller or gill bar for treating. J. W. Ryan. 1,463,844; Aug. 7.
Thermally-controlled audible signal. G. A. Sager. 1,464,222; Aug. 7.
Thermionically-active substance and making the same. W. Wilson. 1,464,124; Aug. 7.
Thermostatic steam trap. T. Cardwell. 1,464,197; Aug. 7.
Threads in embroidered fabrics, Process and device for removing the connecting. F. Nänny. 1,464,289; Aug. 7.
Ticket stamping and printing machine. C. Manshel. 1,463,829; Aug. 7.
Time-limit relays, Retarding device for. T. T. Greenwood. 1,464,478; Aug. 7.
Tire. A. K. Simmons. Des. 62,853–6; Aug. 7.
Tire, Automobile. C. W. McKone. Des. 62,846; Aug. 7.
Tire-bundling machine. A. Miller. 1,464,010; Aug. 7.
Tire carrier. P. H. John. 1,463,957; Aug. 7.
Tire carrier, and lock, Spare-. O. A. Loew. 1,464,009; Aug. 7.
Tire casing. F. L. La Tulip. 1,464,206; Aug. 7.
Tire holder, Spare-. J. E. Sisk. 1,464,371; Aug. 7.
Tire-inflating apparatus. A. L. Powell. 1,464,443; Aug. 7.
Tire, Permanent substitute. J. Toren. 1,463,914; Aug. 7.
Tire, Pneumatic. M. Motoki and C. Yagi. 1,464,085; Aug. 7.
Tire rings, Machine for covering. M. Brodeur. 1,463,868; Aug. 7.
Tire vulcanization, Temperature-indicating apparatus for. N. Conn. 1,463,872; Aug. 7.
Tires, Safety valve and pressure indicator for automobile. W. E. Hedger. 1,464,425; Aug. 7.
Tobacco pipe. W. W. Hesson. 1,464,359; Aug. 7.
Tongs. J. T. Beam. 1,464,232; Aug. 7.
Tool. W. P. Casey. 1,464,351; Aug. 7.
Tool. F. W. Stein. 1,464,298; Aug. 7.
Tool holder. E. G. Strong. 1,464,344; Aug. 7.
Toothbrush and holder, Combination. R. H. Lieberthal. 1,464,250; Aug. 7.
Towels, etc., Rack for. E. B. Eriksen. 1,464,311; Aug. 7.
Towels, Machine for folding. J. N. Borroughs. 1,463,918; Aug. 7.
Toy. T. W. Pedersen. 1,464,107; Aug. 7.
Toy torpedo. C. Macchia. 1,464,183; Aug. 7.
Toys, Movable eye for stuffed. N. Morgenstern. 1,463,832; Aug. 7.
Tractor attachment. W. T. Fishleigh. 1,463,944; Aug. 7.
Tractor or the like. L. B. Horton. 1,463,817; Aug. 7.
Traffic signal, Vehicle. W. F. Sheeley. 1,463,927; Aug. 7.
Transmission band and case cover. H. E. Miebach and A. S. Caughey. 1,464,138; Aug. 7.
Transmission mechanism. W. H. Clingman. 1,463,919; Aug. 7.
Trap: *See*—
Animal trap. Bait trap.
Ant trap. Thermostatic steam trap.
Trap. J. F. Allison. 1,464,399; Aug. 7.
Trap. W. I. Croyle. 1,463,874; Aug. 7.
Trap. A. B. Dodson. 1,464,261; Aug. 7.
Trolling spoon. H. I. Holcomb. 1,464,041; Aug. 7.
Trolling spoon. J. H. Wandve. 1,463,858; Aug. 7.
Trough, Feed. G. F. Hauf. 1,464,202; Aug. 7.
Truck, Carrier. J. F. Montine. 1,464,011; Aug. 7.
Tub cover, Set-. W. W. Hamilton. 1,463,952; Aug. 7.
Tubes and other containers, Closure for collapsible. J. Kaufman. 1,464,320; Aug. 7.
Tubes, Mode of manufacturing inner. W. W. Wildman. 1,463,987; Aug. 7.
Turbine, Wind. Y. Ozaki. 1,463,924; Aug. 7.
Typewriting and computing machine, Combined. B. C. Stickney. 1,464,117; Aug. 7.
Typewriting machine. E. M. F. Guignard. 1,463,811; Aug. 7.
Typewriting machine. J. Waldheim. 1,464,122; Aug. 7.
Typographical machines, Galley for. T. S. Homans. 1,464,483; Aug. 7.
Valve. C. R. Baumgardner. 1,464,022; Aug. 7.
Valve. H. L. Leas. 1,464,007; Aug. 7.
Valve. G. P. Whitelaw, 2d. 1,464,303; Aug. 7.
Valve-adjusting device. P. Leo. 1,464,082; Aug. 7.
Valve, Alarm. P. L. Drake. 1,464,244; Aug. 7.
Valve and dust cap, Combination. W. W. Wainwright. 1,464,376; Aug. 7.
Valve, Explosion. G. E. Steudel. 1,464,116; Aug. 7.
Valve, Feed. B. F. Crisenberry. 1,464,060; Aug. 7.
Valve, Float-controlled. J. Olson. 1,463,907; Aug. 7.
Valve, Gas. W. P. Schmid. 1,464,015; Aug. 7.
Valve grinder. A. Loveless. 1,464,043; Aug. 7.
Valve, Hydraulic. E. O. Lundblad. 1,464,286; Aug. 7.
Valve, Throttle. P. H. Scheib. 1,464,049; Aug. 7.
Vapors from gases, Recovering condensable. H. H. Armstrong. 1,463,782; Aug. 7.
Varnish, paint, or waterproofing composition and making same. P. M. Stewart. 1,464,224; Aug. 7.
Vat coloring matters, Production of. M. A. Kunz. 1,464,079; Aug. 7.
Vaults and similar purposes, Plate for use in lining burglarproof. F. J. Napolitan. 1,464,102; Aug. 7.
Vaults, Lock for closures of burial. F. L. Whartenby. 1,464,458; Aug. 7.
Vegetables or fruit with a skin-loosening agent, Apparatus for treating. H. M. Miller. 1,463,964; Aug. 7.
Vehicle bumper, Motor-. W. J. Koester and J. D. Foster. 1,464,321; Aug. 7.
Vehicle, Child's. E. M. Finch. 1,464,414; Aug. 7.
Vehicle doors, Locking handle for. L. W. Gates. 1,464,315; Aug. 7.
Vehicle wheel. M. E. Hanson. 1,464,479; Aug. 7.
Vehicles and the like, Top for. C. R. Allen. 1,464,193; Aug. 7.
Vehicles, Backstop for. J. Dawson. 1,464,410; Aug. 7.
Vehicles, Clutch lock for motor. L. A. Calame. 1,464,256; Aug. 7.
Vehicles, Direction signal for motor. H. S. and D. H. Hearn. 1,463,997; Aug. 7.
Vehicles, Door curtain for. D. M. Winans. 1,464,379; Aug. 7.
Vehicles, Luggage carrier for motor. J. H. Wittmann. 1,463,991; Aug. 7.
Vehicles, Shock absorber and rebound damper for motor road. F. Smith. 1,464,142; Aug. 7.
Vehicles, trucks and the like, Crane for. A. E. Goodger. 1,464,131; Aug. 7.
Vehicles, Vacuum pumping attachment for motor. R. M. Langdon. 1,464,080; Aug. 7.
Vending machine. F. F. Molloy. 1,464,439; Aug. 7.
Vibration detector. J. P. Maxfield. 1,463,830; Aug. 7.
Vulcanization and products obtained thereby, Acceleration of. S. M. Cadwell. 1,463,794; Aug. 7.
Waffle iron or similar article. G. E. Savage. Des. 62,851; Aug. 7.
Washboard. K. March. 1,464,437; Aug. 7.
Washer and wringer, Combined. C. W. Pierson. 1,464,045; Aug. 7.
Washing and wringing machine attachment. T. D. Myers. 1,463,922; Aug. 7.
Washing machine. H. C. Hirschy. 1,464,362; Aug. 7.
Washing machines, Driving mechanism for. B. E. Getz. 1,464,471; Aug. 7.
Water in tanks, Apparatus for maintaining a substantially constant level of. H. L. Wherland. 1,463,986; Aug. 7.
Weather vane. A. Haar. Des. 62,818; Aug. 7.
Weeds from railway roadbeds, Machine for removing. A. Scheuchzer. 1,464,014; Aug. 7.
Weighing machine. W. C. Hall. 1,464,422; Aug. 7.
Weighing machines, Traveling poise for. K. Schember and R. Joksch. 1,464,114; Aug. 7.
Weight, Adjustable sash. G. A. Dickinson. 1,463,877; Aug. 7.
Welding apparatus, Electric. C. B. Waters. 1,464,145; Aug. 7.
Well casing, Oil-. H. C. Cable. 1,464,350; Aug. 7.
Well-drilling attachment. H. R. Rowland. 1,464,396; Aug. 7.
Wheel: *See*—
Resilient wheel. Vehicle wheel.
Wheel and air tank, Combined. C. Osborn. 1,464,441; Aug. 7.
Wheels for vehicles, Air tube and shock absorber for resilient. W. Drury. 1,464,033; Aug. 7.
Winding machine. E. F. Parks, C. A. Brink, and G. N. Taylor. 1,463,834; Aug. 7.

Winding machine, Gauze and cloth. C. M. Burg, E. Decker, and L. C. Le Duc. 1,464,349; Aug. 7.
Window illuminator and sign. P. S. Van Bloem. 1,464,228; Aug. 7.
Window-securing means. J. D. Tomford. 1,464,345; Aug. 7.
Windows, Tension device for casement. T. E. Walker. 1,464,229; Aug. 7.
Windshield cleaner. L. T. Berry. 1,464,236; Aug. 7.
Wire-chain machine. M. Olson. 1,464,331; Aug. 7.
Wire-drawing blocks, Clutching mechanism for. E. H. Carroll. 1,464,028; Aug. 7.
Wire spiller and lifting net. O. C. Wagner. 1,463,857. Aug. 7,
Wire-strapping tool. L. Campbell. 1,463,869. Aug. 7.
Wood and making same, Preserved. R. A. Marr, Jr. 1,464,044; Aug. 7.
Woods and inlaid work on wood by the aid of transfer work, Producing imitations of valuable. R. W. Terlinden. 1,464,144; Aug. 7.
Woodworking machine. C. F. Anderson and L. W. Knapp. 1,464,020. Aug. 7.
Work and power stand, Combination. M. H. Fuller. 1,463,882; Aug. 7.
Work holder and clamp. C. A. Vidinghoff. 1,464,375; Aug. 7.
Workholder. H. Davis. 1,464,064; Aug. 7.
Wrench: *See*—
Nut wrench. Socket wrench.
Pipe wrench.
Wrench. W. D. Ittel. 1,463,822; Aug. 7.
Wrench. G. W. Kelley. 1,464,004; Aug. 7.
Wrench. K. Müller. 1,464,288; Aug. 7.
Writing instrument, Multiple-. A. Visitacion. 1,463,983; Aug. 7.
Zinc for use in relieving prickly heat, etc., Process and product of preparing stearate of. R. C. Farrell and C. E. Coogan. 1,463,881; Aug. 7.

CLASSIFICATION OF PATENTS

ISSUED AUGUST 7, 1923.

NOTE.—First number=class, second number=subclass, third number=patent number.

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ALPHABETICAL LIST OF REGISTRANTS OF TRADE-MARKS.

Adams, Alonzo H., doing business as Exhaust Lock Company, Indianapolis, Ind. Steering-post control and exhaust lock. 171,800; Aug. 14; Serial No. 176,435; published May 15, 1923.

Allen Hydrostatic Pump Syndicate Ltd., Westminster, London, England. Pumping apparatus utilizing hydrostatic pressure for raising liquids. 171,869; Aug. 14; Serial No. 174,191; published May 15, 1923.

Altman, B., & Co., New York, N. Y. Hair nets. 171,792; Aug. 14; Serial No. 178,540; published May 22, 1923.

Aluminium-Industrie-Aktien-Gesellschaft, Neuhausen, Switzerland. Crude and prepared aluminum and aluminum alloys. 171,707; Aug. 14; Serial No. 174,875; published May 1, 1923.

Aluminium-Industrie-Aktien-Gesellschaft, Neuhausen, Switzerland. Aluminum and aluminum alloys. 171,819; Aug. 14; Serial No. 175,291; published May 1, 1923.

Alumino-Thermic Corporation, Roselle Park, N. J. Metallic compounds for use in welding metals. 171,884; Aug. 14; Serial No. 172,660; published May 22, 1923.

American Abrasive Metals Company, New York, N. Y. Cast metal used for agitating or stirring mineral, etc. 171,808; Aug. 14; Serial No. 177,464; published May 15, 1923.

American Cash Register Co., Saginaw, Mich. Cash registers. 171,831; Aug. 14; Serial No. 175,909; published May 15, 1923.

American Oil Corporation, Jackson, Mich. Gasoline. 171,918; Aug. 14.

American Range & Foundry Company, Minneapolis, Minn. Metal tops for kitchen and other tables. 171,771; Aug. 14; Serial No. 173,550; published May 1, 1923.

American Wholesale Corporation (Baltimore Bargain House), Baltimore, Md. Hosiery. 171,728; Aug. 14; Serial No. 170,613; published May 15, 1923.

Amherst Knitting Mills, Inc., New York, N. Y. Ladies' and children's suits, dresses, coats, and men's coats, sweaters, etc. 171,909–10; Aug. 14.

Arion Shirt Company. (See Trachtenberg, Harry.)

Atlantic Steel Company, Atlanta, Ga. Wire fences. 171,801; Aug. 14; Serial No. 176,531; published May 5, 1923.

Babani, Maurice, Paris, France. Perfume extracts, lotions, toilet waters, etc. 171,954; Aug. 14.

Badger Rubber Works, The, Milwaukee and Cudahy, Wis. Nonmetallic tires. 171,731; Aug. 14; Serial No. 170,267; published Apr. 3, 1923.

Bamberger, L., & Co., Newark, N. J. Women's dresses. 171,730; Aug. 14; Serial No. 170,361; published May 22, 1923.

Barbour Flax Spinning Co., Paterson, N. J. Sewing thread. 171,898; Aug. 14.

Barrow, A. C., & Company, Lynchburg, Va. Overalls, work shirts, coats, vests, and pants. 171,752; Aug. 14; Serial No. 163,966; published May 22, 1923.

Bates Valve Bag Company, Chicago, Ill. Bag filling and packaging machinery. 171,809; Aug. 14; Serial No. 177,539; published May 15, 1923.

Bay State Cloth Steaming Company, Inc., Boston, Mass. Cloth and rain coats. 171,913; Aug. 14.

Becker, Christian, Inc., New York, N. Y. Balances and weighing scales. 171,827; Aug. 14; Serial No. 175,597; published May 1, 1923.

Best Duck Decoy Co., Inc., The, New York, N. Y. Duck decoys. 171,931; Aug. 14.

Blas Narrow Fabric Co., The, Bridgeport, Conn., and New York, N. Y. Binding and trimming. 171,936; Aug. 14.

Bickett, William H., Chicago, Ill. Mouthpiece for wind instruments. 171,961; Aug. 14.

Biltrite Collar Co. (See Cohen, Harry and Charles.)

Bird-Archer Company, The, New York, N. Y. Brass and iron cleaners. 171,765; Aug. 14; Serial No. 158,595; published May 1, 1923.

Bohn Refrigerator Company, St. Paul, Minn. Refrigerators. 171,945; Aug. 14.

Bonney Forge & Tool Works, Philadelphia and Allentown, Pa.; Chicago, Ill., and New York, N. Y. Tappet wrenches. 171,873; Aug. 14; Serial No. 173,993; published May 15, 1923.

Bradley, James J., New York, N. Y. Toilet soap. 171,929; Aug. 14.

Briggs, J., & Sons Co., Providence, R. I. Special-process metal and bars, sheets, strips, etc. 171,895; Aug. 14; Serial No. 171,827; published May 1, 1923.

Broadway Department Store, The. (See Letts, Arthur, assignor.)

Brooklyn Hosiery Mills, Inc., Brooklyn, N. Y. Stockings. 171,740; Aug. 14; Serial No. 169,573; published May 22, 1923.

Brouwer, S. J., Shoe Company, Milwaukee, Wis. Shoes of leather and cloth and leather. 171,715; Aug. 14; Serial No. 149,119; published Aug. 15, 1922.

Brunner Manufacturing Company, Utica, N. Y. Small air compressors and small motor-driven compressor units. 171,940; Aug. 14.

Byrne, Kingston & Co., Kokomo, Ind. Vacuum feed systems for motor vehicles. 171,896; Aug. 14; Serial No. 171,724; published May 15, 1923.

California Underwear and Hosiery Mills, also doing business as California Underwear Mills, Los Angeles, Calif. Ladies' knit underwear. 171,739; Aug. 14; Serial No. 169,618; published May 8, 1923.

California Underwear Mills. (See California Underwear and Hosiery Mills.)

Canfield Rubber Company, The, Bridgeport, Conn. Rubber splices and strips and adhesive tape. 171,960; Aug. 14.

Canvas Products Company, St. Louis, Mo. Tents, tent flies, tarpaulins, binder covers, etc. 171,907; Aug. 14.

Careskey, James L., Louisville, Ky. Monthly magazine. 171,755; Aug. 14; Serial No. 162,918; published May 1, 1923.

Carter Dry Goods Co., Louisville, Ky. Work shirts. 171,887; Aug. 14; Serial No. 172,511; published May 22, 1923.

Chance, Albert B., doing business as Chance Company, Centralia, Mo. Anchor rods. 171,797; Aug. 14; Serial No. 176,324; published May 15, 1923.

Chef Aluminum Co. (See Jones, Leander C.)

Chicago Bridge & Iron Works, Chicago, Ill. Tanks. 171,946; Aug. 14.

Christian, H. B., Fresno, Calif. Pneumatic rubber tire casings. 171,745; Aug. 14; Serial No. 166,934; published Mar. 13, 1923.

Cohen, Harry and Charles, doing business as Biltrite Collar Co., New York, N. Y. Collars. 171,845; Aug. 14; Serial No. 171,151; published May 15, 1923.

Colodzin & Edlman, New York, N. Y. Hosiery, underwear, sweaters, etc. 171,935; Aug. 14.

Conried, Flora, New York, N. Y. Children's dresses, hats, coats, sweaters and suits. 171,904; Aug. 14.

Consolidated Rendering Co., Boston, Mass. Tallow. 171,944; Aug. 14.

Couch, Ralph F., Washington, D. C. Monthly publication. 171,823; Aug. 14; Serial No. 175,544; published May 1, 1923.

De Bruyn Limited, London, England. Edible oils. 171,742; Aug. 14; Serial No. 169,125; published May 8, 1923.

Diamond Match Company, The, Chicago, Ill. Matches. 171,787; Aug. 14; Serial No. 178,897; published May 22, 1923.

Diebold Safe & Lock Company, Canton, Ohio. Filing, skeleton, fireproof, burglarproof, and manganese safes, vault doors, locks and safe-deposit baxes. 171,871; Aug. 14; Serial No. 174,127; published May 8, 1923.

Dill Manufacturing Company, The, Cleveland, Ohio. Caps for inflation valves. 171,942; Aug. 14.

Driefus, Eckstein & King, Inc., New York, N. Y. Men's, women's, and children's knit and flat hosiery. 171,782; Aug. 14; Serial No. 172,935; published May 22, 1923.

Dura Company, The, Toledo, Ohio. Window regulators. 171,735; Aug. 14; Serial No. 169,803; published May 8, 1923.

Edmunds, Sundberg & Winstone, Los Angeles, Calif. Piston rings. 171,943; Aug. 14.

Eli Boot Shop Co., The, New Haven, Conn. Boots and shoes. 171,768; Aug. 14; Serial No. 173,629; published May 8, 1923.

Emerson Drug Co., Baltimore, Md. Beverage sold as soft drink and sirup and concentrates for making same. 171,926; Aug. 14.

Erwin, Lemuel L., Loco, Okla. Antiseptic. 171,953; Aug. 14.

Etablissements Reynier. (See Reynier & Cie., assignor.)

Exhaust Lock Company. (See Adams, Alonzo H.)

Fabrenwald, Frank A., Cleveland Heights, Ohio. Heat and corrosion resisting alloys in the form of castings and forgings. 171,798; Aug. 14; Serial No. 176,332; published May 22, 1923.

Farley, Vincent J., doing business as How To Make Money Publishing Co., Long Island City, N. Y. Serial monthly magazine. 171,859; Aug. 14; Serial No. 174,564; published May 8, 1923.

Fashion Model Co. (See Levitt, Max.)

Finkelson, Max, doing business as Onyx Blouse Co., New York, N. Y. Boys' blouses. 171,780; Aug. 14; Serial No. 173,041; published May 22, 1923.

Forbes, Jas. H., Tea & Coffee Co., St. Louis, Mo. Tea. 171,933; Aug. 14.

Frankel Bros., New York, N. Y. Men's outer clothing. 171,889; Aug. 14; Serial No. 172,469; published May 22, 1923.

Fredericksen Company, Saginaw, Mich. Bearing metal, packing metal, brass castings, and bronze castings. 171,832; Aug. 14; Serial No. 175,925; published May 15, 1923.

Fredrickson Brothers, Cassadaga, N. Y. Churns. 171,711; Aug. 14; Serial No. 155,813; published May 22, 1923.

Freedman Bros., Atlantic City, N. J. Tub butter. 171,905; Aug. 14.

Gale Shoe Manufacturing Co., Boston, Mass. Leather boots and shoes. 171,733; Aug. 14; Serial No. 170,061; published Jan. 30, 1923.
General Electric Company, Schenectady, N. Y. Non-metallic gear wheels and gear-wheel blanks. 171,835; Aug. 14; Serial No. 176,118; published May 8, 1923.
Ginsberg, I., & Bros. assignors to Isaac Ginsberg & Brothers, Inc., New York, N. Y. Children's, girls', and women's dresses. 171,727; Aug. 14; Serial No. 170,636; published May 15, 1923.
Ginsberg, I., & Bros., New York, N. Y., assignor to Isaac Ginsberg & Brothers, Inc. Women's dresses. 171,883; Aug. 14; Serial No. 172,671; published May 22, 1923.
Glossy Straight Manufacturing Co., Selma, Ala. Hair dressing. 171,917; Aug. 14.
Goff, S. B., & Sons Company, Camden, N. J. Candy. 171,781; Aug. 14; Serial No. 172,939; published May 22, 1923.
Gotham Knitting Mills, New York, N. Y. Sweaters, scarfs, knitted suits, and dresses, etc. 171,775; Aug. 14; Serial No. 173,233; published May 22, 1923.
Grossman, L. E., Inc., New York, N. Y. Shoes. 171,837; Aug. 14; Serial No. 171,637; published May 8, 1923.
Grossmith, J., & Son, Limited, London, England. Toilet soap. 171,850; Aug. 14; Serial No. 170,977; published May 15, 1923.
Gulf States Steel Company, Birmingham, Ala. Barbed wire. 171,810–12; Aug. 14; Serial Nos. 177,777–9; published May 15, 1923.
Hadfields Limited, Sheffield, England. Steel in rod, bar, rail, sheet, etc. 171,824; Aug. 14; Serial No. 175,553; published May 8, 1923.
Hammell-Neuman Co., Philadelphia, Pa. Hats for men, women, and children. 171,750; Aug. 14; Serial No. 164,435; published May 15, 1923.
Hansen, Richard B., doing business as R. B. Hansen Rubber Co., Akron, Ohio. Sanitary aprons, belts, shields, hot-water bottles, etc. 171,919; Aug. 14.
Harpic Manufacturing Co. (See Pickup, Harry.)
Harris Soap Company, Buffalo, N. Y. Soap in liquid, flake, powdered, and cake form. 171,743; Aug. 14; Serial No. 166,945; published May 15, 1923.
Hart, Hubert C., Unionville, Conn. Butcher and kitchen knives, safety-razor blades, glass cutters. 171,858; Aug. 14; Serial No. 174,738; published May 1, 1923.
Hartvig, John A., Oakland, Calif. Nonelectric iron heated hair-waving implements. 171,757; Aug. 14; Serial No. 178,101; published May 29, 1923.
Healy, Daniel J., Detroit, Mich. Men's, women's, and children's hose. 171,726; Aug. 14; Serial No. 170,648; published May 15, 1923.
Henry & Allen, Auburn, N. Y. Metal castings and forgings of standard and special shapes. 171,828; Aug. 14; Serial No. 175,793; published May 1, 1923.
Hiller, Stanley, Inc., San Jose, Calif. Apparatus for revivifying kieselguhr, apparatus for producing charcoal, fish-meal apparatus, and sirup clarifiers. 171,836; Aug. 14; Serial No. 171,713; published May 8, 1923.
Hirsch, Barnard Company, San Francisco, Calif. Pearl beads. 171,927; Aug. 14.
Holding Committee for Educational and Philanthropic Work, The, St. Louis, Mo. Monthly magazine. 171,760; Aug. 14; Serial No. 161,315; published May 1, 1923.
Hoover, George D., Manufacturing Pharmacist, Inc., Des Moines, Iowa. Medicinal compound. 171,949; Aug. 14.
Hopkins, J. L., & Co., New York, N. Y. Insecticide. 171,890; Aug. 14; Serial No. 172,381; published May 1, 1923.
House of Kuppenheimer, The. (See Kuppenheimer, B., & Co.)
How To Make Money Publishing Co. (See Farley, Vincent J.)
Hudnut, Richard, New York, N. Y. Rouge. 171,911; Aug. 14.
Hungerford, U. T., Brass & Copper Co., New York, N. Y. Babbitt metal. 171,791; Aug. 14; Serial No. 178,390; published May 15, 1923.
Ida Starter Limited, London, England. Compressed-air self-starters for internal-combustion engines. 171,846; Aug. 14; Serial No. 171,128; published May 1, 1923.
Idelite Hosiery Mills, Inc., New York, N. Y. Hosiery. 171,843; Aug. 14; Serial No. 171,218; published May 15, 1923.
Independent School District of Newton, Newton, Iowa. High-school newspaper and annual. 171,874; Aug. 14; Serial No. 173,833; published May 8, 1923.
Index Visible, Inc., New Haven, Conn. Card indexes, index cards, index card cases, etc. 171,963; Aug. 14.
Industrial Rubber Corporation, Long Island City, N. Y. Dental gum. 171,964; Aug. 14.
Ingersoll Redipoint Company, Inc., New York, N. Y. Pencils, pens, leads, and erasers. 171,955; Aug. 14.
Institute for Public Service, New York, N. Y. Periodical publications. 171,767; Aug. 14; Serial No. 173,707; published May 8, 1923.
J-E Battery Co. of Southern California, Inc., Los Angeles, Calif. Storage batteries. 171,957; Aug. 14.
Jack Tire & Rubber Company, Spokane, Wash. Pneumatic automobile tires and inner tubes. 171,899; Aug. 14.
Johns-Manville, Incorporated, New York, N. Y. Composition for electrical insulation. 171,951; Aug. 14.
Jones Brothers Limited, Manchester, England. Lawns. 171,970; Aug. 14.
Jones, Leander C., doing business as Chef Aluminum Co., Battle Creek, Mich. Aluminum culinary utensils. 171,734; Aug. 14; Serial No. 169,907; published May 22, 1923.
Jordeau, Jean, Inc., South Orange, N. J., and New York, N. Y. Preparation for treatment of eyelashes. 171,952; Aug. 14.
Kajowill Mills, Reading, Pa. Hosiery for ladies. 171,779; Aug. 14; Serial No. 173,049; published May 22, 1923.
Kantes, George, Atlanta, Ga. Candy. 171,736; Aug. 14; Serial No. 169,764; published May 15, 1923.
Kennedy Valve Mfg. Co., The, Elmira, N. Y. Fire hydrants, indicator posts, gate valves, etc. 171,709–10; Aug. 14; Serial Nos. 156,088–9; published May 22, 1923.
Kings County Packing Co., Armona, Calif. Canned fruits and vegetables. 171,839; Aug. 14; Serial No. 171,327; published May 15, 1923.
Kings County Packing Co., Armona, Calif. Canned fruits. 171,915; Aug. 14.
Klein, Jack, doing business as J. Klein Co., New York, N. Y. Handkerchiefs. 171,806; Aug. 14; Serial No. 177,388; published May 22, 1923.
Koehn, Edouard, Geneva, Switzerland. Index thermometers. 171,751; Aug. 14; Serial No. 164,057; published May 15, 1923.
Kokomo Automotive Mfg. Co., Kokomo, Ind. Furniture mirrors. 171,934; Aug. 14.
Kuppenheimer, B., & Co., doing business as The House of Kuppenheimer, Chicago, Ill. Men's outer clothing—viz, suits and particularly coats. 171,729; Aug. 14; Serial No. 170,587; published May 15, 1923.
La Boyteaux, Clarence E., doing business as C. E. La Boyteaux Company, Los Angeles, Calif. Concrete mixers, saw tables, pumps, hoists, and shovels. 171,705; Aug. 14; Serial No. 174,966; published May 8, 1923.
Laboratorium Leo. (See v. Mayenburg, Ottomar H.)
La Fuer, Frederick, doing business as The La Fuer Company, Detroit, Mich. Hair restorative. 171,903; Aug. 14.
La Habra Citrus Association, La Habra, Calif. Fresh citrous fruits. 171,932; Aug. 14.
Laskin Brothers, Philadelphia, Pa. Camisoles, bloomers, chemises, etc. 171,842. Aug. 14; Serial No. 171,223; published May 15, 1923.
Lawrence, Willse M., Brookline, Mass., and Bartow, Fla. Wrenches. 171,724; Aug. 14; Serial No. 170,721; published May 8, 1923.
Lazarus, Goldberg & Friedman, Inc., New York, N. Y. Boys', students', young men's and men's suits, knickerbockers, and topcoats. 171,855; Aug. 14; Serial No. 170,775; published May 22, 1923.
Lebannon Oil Co., Chicago, Ill. Salad oil. 171,761; Aug. 14; Serial No. 160,416; published May 15, 1923.
Letts, Arthur, assignor to The Broadway Department Store, Los Angeles, Calif. Boys' suits, overcoats, nightshirts, pyjamas, shirts, etc. 171,723; Aug. 14; Serial No. 111,114; published May 15, 1923.
Levitt, Max, doing business as Fashion Model Co., Brooklyn, N. Y. Clothing models and patterns. 171,841; Aug. 14; Serial No. 171,224; published May 15, 1923.
Leys, Christie & Co., New York, N. Y. Artificial pearls. 171,795; Aug. 14; Serial No. 179,734; published May 29, 1923.
Liberman, Meyer, doing business as M. Liberman Mfg. Co., Vallejo, Calif. Pants, vests, coats, work shirts, hiking breeches for men and women. 171,852; Aug. 14; Serial No. 170,940; published May 15, 1923.
Liberman, M., Mfg. Co. (See Liberman, Meyer.)
Lincoln Radio Corporation, Chicago, Ill. Radio receiving sets. 171,959; Aug. 14.
Little, Brown & Company, Boston, Mass. Series of books. 171,773; Aug. 14; Serial No. 173,516; published May 8, 1923.
Loeb Dress Co. (See Ober, Jacob.)
London Chocolate Company, Limited, The, Stratford, London, England. Chocolates. 171,722; Aug. 14; Serial No. 138,861; published May 22, 1923.
McEvoy, John F., Inc., New York, N. Y. Clerical collars, nightdresses, skirts, kimonos, etc. 171,908; Aug. 14.
McLean Tire and Rubber Company, The, East Liverpool, Ohio. Cord and fabric tires. 171,928; Aug. 14.
Mack Tool Company, Inc. Rochester, N. Y. Carving, edge, and coopers' tools and the like. 171,864; Aug. 14; Serial No. 174,523; published May 1, 1923.
Macy, R. H., & Co., Inc., New York, N. Y. Boys' skating sets. 171,783; Aug. 14; Serial No. 172,844; published May 22, 1923.
Macy, R. H., & Co., Inc., New York, N. Y. Ophthalmic lenses. 171,820; Aug. 14; Serial No. 175,363; published May 15, 1923.
Marshall Field & Company, Chicago, Ill. Bimonthly magazines. 171,744; Aug. 14; Serial No. 161,681; published May 1, 1923.
Marshall Field & Company, Chicago, Ill. Bias-fold tape and binding. 171,937; Aug. 14.
Marvel Tractor Co., The, Columbus, Ohio. Motor-driven farm tractors. 171,720; Aug. 14; Serial No. 142,798; published May 22, 1923.

Mello Company, The, Laporte, Ind. Washing compound. 171,769; Aug. 14; Serial No. 173,607; published May 15, 1923.
Melville Shoe Corporation, New York, N. Y. Shoes. 171,770; Aug. 14; Serial No. 173,575; published May 8, 1923.
Meridian Grain & Elevator Company. (See Wilson, John M.)
Merkle, Edward D., New York, N. Y. Hosiery. 171,882; Aug. 14; Serial No. 172,757; published May 22, 1923.
Mer-Sha Candies, St. Paul, Minn. Candy. 171,756; Aug. 14; Serial No. 160,621; published June 5, 1923.
Metallo Gasket Co., New Brunswick, N. J. Metallic gaskets and packing. 171,916; Aug. 14.
Metro Pictures Corporation, New York, N. Y. Motion-picture films. 171,816; Aug. 14; Serial No. 175,093; published May 15, 1923.
Michigan Coin Lock Company, Indianapolis, Ind. Coin-controlled locks. 171,815; Aug. 14; Serial No. 178,350; published May 15, 1923.
Monarch Leather Company, Chicago, Ill. Leather. 171,965; Aug. 14.
Movie Home Journal Co., The, Boston, Mass. Periodical monthly magazine. 171,885; Aug. 14; Serial No. 172,609; published May 1, 1923.
Munning, A. P., & Co., Matawan, N. J. Lime polishing composition. 171,747; Aug. 14; Serial No. 166,242; published May 1, 1923.
Munning, A. P., & Co., Matawan, N. J. Cloth polishing wheels. 171,748; Aug. 14; Serial No. 166,193; published May 8, 1923.
Munning, A. P., & Co., Matawan, N. J. Cloth polishing wheels. 171,749; Aug. 14; Serial No. 166,190; published May 8, 1923.
Myers, F. E., & Bro. Co., The, Ashland, Ohio. Pumps. 171,764; Aug. 14; Serial No. 158,784; published May 8, 1923.

National Drug Stores Corp., New York, N. Y. Tooth paste. 171,967; Aug. 14.
National Paving Brick Manufacturers Association, Cleveland, Ohio. House organ published monthly. 171,817; Aug. 14; Serial No. 175,099; published May 8, 1923.
National Shoe Retailers Association of the United States of America, Inc., Chicago, Ill. Monthly publication. 171,829; Aug. 14; Serial No. 175,806; published May 22, 1923.
National Tube Company, Pittsburgh, Pa. Metal couplings, pipes, tubes, and casings. 171,830; Aug. 14; Serial No. 175,882; published May 1, 1923.
Niles-Bement-Pond Company, New York, N. Y. Machine tools consisting of planers, lathes, and drilling machines. 171,804; Aug. 14; Serial No. 177,017; published May 22, 1923.
Noc-Equl Hosiery Mills, Inc., Reading, Pa. Hosiery. 171,725; Aug. 14; Serial No. 170,690; published May 15, 1923.
Nutting, Wallace, Incorporated, Ashland, Mass. Colored pictures or plot tinotypes. 171,854; Aug. 14; Serial No. 170,831; published May 1, 1923.

Ober, Jacob, doing business as Loeb Dress Co., New York, N. Y. Dresses for girls, juniors, and misses. 171,746; Aug. 14; Serial No. 166,848; published May 22, 1923.
Öberg, C. O., & Co.'s Aktiebolag, Eskilstuna, Sweden. Files and rasps. 171,822; Aug. 14; Serial No. 175,514; published May 8, 1923.
O'Brien, John J., Coggon, Iowa. Pump coupling. 171,803; Aug. 14; Serial No. 176,757; published May 8, 1923.
Oklahoma Publishing Company, The, Oklahoma, Okla. Monthly magazine. 171,818; Aug. 14; Serial No. 175,266; published May 8, 1923.
Onyx Blouse Co. (See Finkelson, Max.)
Oregon Brass Works, Portland Oreg. Bearing bronze. 171,813–4; Aug. 14; Serial Nos. 178,274–5; published May 15, 1923.
Osterberg, Gustav M., doing business as G. M. Osterberg & Sons, New York, N. Y. Elevator-rail oilers. 171,886; Aug. 14; Serial No. 172,551; published May 8, 1923.
Ottens, Henry H., Mfg. Co. Inc., Philadelphia, Pa. Beverages sold as soft drinks and extracts and sirups for making same. 171,958; Aug. 14.

Pachner, I., & Son, Inc., New York, N. Y. Articles of men's and ladies' apparel. 171,737; Aug. 14; Serial No. 169,737½; published May 22, 1923.
Palmer Candy Company, Souix City, Iowa. Candy. 171,962; Aug. 14.
Palmer Photoplay Corporation, Los Angeles, Calif. Prints and publications. 171,738; Aug. 14; Serial No. 169,645; published May 22, 1923.
Parfumerie Roger & Gallet, Paris, France. Soaps, soap pastes and powders. 171,777; Aug. 14; Serial No. 173,142; published May 8, 1923.
Parker, Chas. V., Co., Harrisburg, Ill. Men's, women's, and children's suits, cloaks, overcoats, hats, caps, shoes, etc. 171,716; Aug. 14; Serial No. 148,549; published May 8, 1923.
Peerless Food Products Co. Inc., Long Island City, N. Y. Preserved cucumbers. 171,799; Aug. 14; Serial No. 176,362; published May 22, 1923.
Pennsylvania Hosiery Mills, Philadelphia, Pa. Hosiery. 171,762; Aug. 14; Serial No. 160,363; published Sept. 5, 1922.

Penton Publishing Company, The, Cleveland, Ohio. Magazine published weekly. 171,840; Aug. 14; Serial No. 171,281; published May 1, 1923.
Perfection Cap Company, Incorporated, Seattle, Wash. Men's, women's, and children's hats and caps. 171,892; Aug. 14; Serial No. 172,349; published May 1, 1923.
Periodical Publishing Company, Grand Rapids, Mich. Quarterly publication. 171,807; Aug. 14; Serial No. 177,403; published May 22, 1923.
Philipsborn's, Inc., Chicago, Ill. Fur coats, scarfs, muffs, chokers, and dolmans. 171,847; Aug. 14; Serial No. 171,036; published May 15, 1923.
Philipsborn's, Inc., Chicago, Ill. Serges, satins, and silks in the piece. 171,897; Aug. 14.
Phillips-Jones Corporation, New York, N. Y. Shirts, nightshirts, pyjamas, and boys' blouses. 171,776; Aug. 14; Serial No. 173,145; published May 22, 1923.
Pickup, Harry, doing business as Harpic Manufacturing Co., London, England. Lavatory cleanser. 171,868; Aug. 14; Serial No. 174,259; published May 15, 1923.
Pictorial Review Company, The, New York, N. Y. Dress patterns. 171,863; Aug. 14; Serial No. 174,526; published May 22, 1923.
Pilger, Herbert, Plainview, Nebr. Fly-chasing attachments to be attached to screen doors. 171,893; Aug. 14; Serial No. 172,012; published May 15, 1923.
Platinide Co. Inc., The, Providence, R. I. Platers' bars, sheet metal, metal rods, and ingots. 171,875; Aug. 14; Serial No. 173,719; published May 8, 1923.
Portland Woolen Mills, Portland, Oreg. Auto robes, blankets, and goods in the piece. 171,969; Aug. 14.
Posner, Dr. A., Shoes, Inc., New York, N. Y. Hosiery. 171,714; Aug. 14; Serial No. 149,772; published May 8, 1923.
Preis, J. J., & Company, New York, N. Y. Boys' outer garments. 171,888; Aug. 14; Serial No. 172,490; published May 22, 1923.

Quaker Lace Company, Philadelphia, Pa. Lace curtains and nets or curtain lace in piece goods 171,902; Aug. 14.

R. & J. Waist Company, The, New London, Conn. Children's waists and shirts, particularly underwaists. 171,718; Aug. 14; Serial No. 144,429; published May 2, 1923.
R an W Hat Shop, Inc., Norwalk, Conn. Hats. 171,866; Aug. 14; Serial No. 174,445; published May 8, 1923.
Ranger, Richard H., New York, N. Y. Departments or sections of and articles in magazines and the like. 171,741; Aug. 14; Serial No. 169,519; published May 1, 1923.
Rappaport, Max, Los Angeles, Calif. Hats and caps for men and boys. 171,838; Aug. 14; Serial No. 171,468; published May 8, 1923.
Reeder-Stage Chemical Company, The, Saganaw, Mich. Cleaning compound. 171,851; Aug. 14; Serial No. 170,954; published May 1, 1923.
Reliance Coal and Coke Co., The, Cincinnati, Ohio. Coal. 171,941; Aug. 14.
Reynier & Cie., assignor to Etablissements Reynier, Grenoble, France. Leather gloves. 171,719; Aug. 14; Serial No. 143,409; published May 22, 1923.
Richardson & Holland, Inc., Seattle, Wash. Powdered sugar. 171,758; Aug. 14; Serial No. 141,399; published May 29, 1923.
Rodriguez, Salvador, New York, N. Y. Cigars. 171,759; Aug. 14; Serial No. 178,869; published May 29, 1923.
Roessel, Louis, & Co. Inc., Hazleton, Pa., and New York, N. Y. Crêpes and silk goods in the piece and vellings. 171,862; Aug. 14; Serial No. 174,529; published May 22, 1923.
Rubay Company, The, Cleveland, Ohio. Gasoline vehicles. 171,914; Aug. 14.

S. & B. Summer Clothing Co., New York, N. Y. Men's and boys' suits, overcoats, vests, trousers. 171,844; Aug. 14; Serial No. 171,189; published May 15, 1923.
Schlagheck, Joseph, Toledo, Ohio. Canary birds. 171,930; Aug. 14.
Schwartz, Carl, New York, N. Y. Men's collars. 171,891; Aug. 14; Serial No. 172,359; published May 22, 1923.
Seymour Manufacturing Company, The, Seymour, Conn. Metals—namely, brass, gilding, copper, etc. 171,833; Aug. 14; Serial No. 175,952; published May 15, 1923.
Seymour Manufacturing Company, The, Seymour, Conn. Metal alloys of copper, zinc, and nickel, wire in coils, etc. 171,834; Aug. 14; Serial No. 175,954; published May 15, 1923.
Shaw, Marvin, and Co., New York, N. Y. Dresses. 171,849; Aug. 14; Serial No. 170,995; published May 15, 1923.
Sheboygan Dairy Products Co., Sheboygan, Wis. Ice cream. 171,912; Aug. 14.
Sherwin-Williams Company, The, Cleveland, Ohio. Polish. 171,956; Aug. 14.
Shull-Day Company, Tacoma, Wash. 171,900; Aug. 14.
Shull-Day Company, Tacoma, Wash. Trousers. 171,901; Aug. 14.
Silberstein, J. B., & Sons, Inc., New York, N. Y. Men's work shirts. 171,906; Aug. 14.
Skinner Machinery Company, Dunedin, Fla. Publication issued monthly. 171,865; Aug. 14; Serial No. 174,493; published May 15, 1923.

Smith & Egge Manf'g Co., The, Bridgeport, Conn. Sheet-metal chains. 171,774; Aug. 14; Serial No. 173,446; published May 15, 1923.
Société P. & A. Picard, Paris, France. Cremorne and espagnolette bolts, locks and bolts, steel mortise and rim locks, etc. 171,766; Aug. 14; Serial No. 158,583; published May 1, 1923.
Southern Fruit Julep Co., Fort Worth, Tex. Beverage sold as a soft drink and a sirup used for making same. 171,921–5; Aug. 14.
Southern Saw Works, Atlanta, Ga. Saws. 171,763; Aug. 14; Serial No. 159,538; published May 1, 1923.
Stein, S., & Co., New York, N. Y. Woolen cloths in the piece. 171,938–9; Aug. 14.
Stevens & Company, Inc., Providence, R. I. Ophthalmic mountings and parts thereof. 171,857; Aug. 14; Serial No. 174,867; published May 1, 1923.
Stevens & Company, Inc., Providence, R. I. Ophthalmic mountings and parts thereof. 171,861; Aug. 14; Serial No. 174,540; published May 22, 1923.
Stix, Louis, Co., The, Cincinnati, Ohio. Hosiery. 171,712; Aug. 14; Serial No. 131,678; published Feb. 7, 1922.
Stix, Louis, Co., The, Cincinnati, Ohio, and New York, N. Y. Bleached cotton piece goods. 171,789; Aug. 14; Serial No. 178,640; published May 22, 1923.
Stix, Louis, Co., The, Cincinnati, Ohio, and New York, N. Y. Brown cottons in the piece. 171,790; Aug. 14; Serial No. 178,639; published May 22, 1923.
Stix, Louis, Co., The, Cincinnati, Ohio, and New York, N. Y. Bleached cotton piece goods. 171,793–4; Aug. 14; Serial Nos. 178,637–8; published May 22, 1923.
Suliman, Ibish, Lynn, Mass. Soaps. 171,706; Aug. 14; Serial No. 174,944; published May 8, 1923.
Super Seal Piston Ring Company, Hanford, Calif. Piston rings. 171,966; Aug. 14.
Sure-Edge Stropper Company, Minneapolis, Minn. Razor-blade stropping holders. 171,870; Aug. 14; Serial No. 174,187; published May 1, 1923.
Swine Breeders Pure Serum Company, Thorntown, Ind. Toilet soap. 171,856; Aug. 14; Serial No. 174,869; published May 1, 1923.
Taylor-Friedsam Company, The, Paterson, N. J., and New York, N. Y. Silk ribbons in the piece. 171,825; Aug. 14; Serial No. 175,575; published May 22, 1923.
Thompson, A., Co., The, Amsterdam, N. Y. Hosiery, knitted underwear, sweaters. 171,785–6; Aug. 14; Serial Nos. 172,784–5; published May 22, 1923.
Thompson, A., Co., The, Amsterdam, N. Y. Hosiery, knitted underwear and sweaters. 171,876; Aug. 14; Serial No. 172,783; published May 22, 1923.
Thompson, A., Co., The, Amsterdam, N. Y. Hosiery, knitted underwear, and sweaters. 171,878–81; Aug. 14; Serial Nos. 172,779–82; published May 22, 1923.
Titanium Pigment Company, Inc., Niagara Falls, N. Y. Soap, glass and metal polishes, and abrader preparations. 171,778; Aug. 14; Serial No. 173,110; published May 15, 1923.
Trachtenberg, Harry, doing business as Arlon Shirt Company, New York, N. Y. Men's dress, negligee, and work shirts. 171,732; Aug. 14; Serial No. 170,226; published May 22, 1923.
Travis, Romaine & Jellé, Inc., New York, N. Y. Silk, cotton, etc., piece goods, and combinations thereof. 171,860; Aug. 14; Serial No. 174,544; published May 22, 1923.
Union Petroleum Company, Philadelphia, Pa. Oils. 171,920; Aug. 14.
United States Rubber Company, New Brunswick, N. J., and New York, N. Y. Aprons for icemen. 171,848; Aug. 14; Serial No. 171,002; published May 15, 1923.
Universal Feature and Specialty Company, Chicago, Ill. Books and comic section in daily newspapers. 171,713; Aug. 14; Serial No. 150,833; published May 1, 1923.
V. Mayenburg, Ottomar II., doing business as Laboratorium Leo, Dresden, Germany. Shaving soap. 171,708; Aug. 14; Serial No. 156,997; published May 1, 1923.
Vernon's, William, Sons & Co., Philadelphia, Pa. Hosiery. 171,784; Aug. 14; Serial No. 172,788; published May 22, 1923.
Wallace & Co., Brooklyn, N. Y. Chocolates and candies. 171,753; Aug. 14; Serial No. 163,489; published Jan. 9, 1923.
Walther, Bernard, Sturgeon Bay, Wis. Salve. 171,948; Aug. 14.
Warner Brothers Company, The, Bridgeport, Conn. Women's fitted undergarments. 171,872; Aug. 14; Serial No. 174,046; published May 8, 1923.
Weiner Brothers, Inc., New York, N. Y. Cotton piece goods. 171,826; Aug. 14; Serial No. 175,583; published May 22, 1923.
Westberg, Gustave E., Los Angeles, Calif. Antitheft locks for motor-vehicle wheels. 171,805; Aug. 14; Serial No. 177,155; published May 8, 1923.
Western Bottle Manufacturing Company, at times doing business as The Western Company, Chicago, Ill. Hair nets. 171,796; Aug. 14; Serial No. 176,142; published May 22, 1923.
White, James F., & Co., Inc., New York, N. Y. Cotton, woolen, and silk piece goods and combinations thereof. 171,788; Aug. 14; Serial No. 178,648; published May 22, 1923.
Whitehouse Products Co., Chicago, Ill. Compound for cleaning hands and the like. 171,877; Aug. 14; Serial No. 172,700; published May 1, 1923.
Whiting Paper Company, Holyoke, Mass. Writing and printing papers and mailing envelopes. 171,947; Aug. 14.
Whitman & Keith Co., Brockton, Mass. Boots and shoes. 171,894; Aug. 14; Serial No. 171,974; published May 8, 1923.
Wilder-Pike Thermometer Company, Inc., Troy, N. Y. Thermometers. 171,802; Aug. 14; Serial No. 176,702; published May 1, 1923.
Wile, M., & Co., Buffalo, N. Y. Monthly publication. 171,772; Aug. 14; Serial No. 173,547; published May 1, 1923.
Wilson-Imperial Company, Newark, N. J. Liquid for cleaning fabrics. 171,853; Aug. 14; Serial No. 170,850; published May 1, 1923.
Wilson, John M., doing business as Meridian Grain & Elevator Company. Meridian, Miss. Scratch, dairy, hog, horse, and mule feed. 171,754; Aug. 14; Serial No. 163,301; published Mar. 27, 1923.
Winger, Edgar, Cleveland, Ohio. Antitoxins, antiseptics, astringents, diuretics, etc. 171,968; Aug. 14.
Wood, Clara I., doing business as Snapo Food Products Company, New York, N. Y. Highly-seasoned sauce for use on meat and fish. 171,721; Aug. 14; Serial No. 139,240; published May 15, 1923.
Wortendyke Manufacturing Co., Richmond, Va. Twine. 171,950; Aug. 14.
Yardley & Co., Limited, Stratford, London, England. Toilet soap. 171,867; Aug. 14; Serial No. 174,377; published May 1, 1923.
Young Hat Company, The, Norwalk, Conn. Men's hats and caps. 171,821; Aug. 14; Serial No. 175,375; published May 8, 1923.
Zip Products Company, Fremont, Ohio. Cleansing and polishing fluid. 171,717; Aug. 14; Serial No. 147,328; published Aug. 23, 1921.

ALPHABETICAL LIST OF REGISTRANTS OF LABELS.

Chicago Metallic Packing Co., Chicago, Ill. "Rhopac" Valve Stem Rod and Plunger Packing. For Packing. 26,320; Aug. 14.
Chicago Metallic Packing Co., Chicago, Ill. "Rhopac" Piston Head Packing For Inside Packed Type Pumps. For Packing. 26,321; Aug. 14.
Dawes, John C., Irvington, N. J. It Takes 'Em Off. Dawes Ideal Corn Remover. For Corn Remover. 26,322; Aug. 14.
Dr. Brown Candy Company, Fort Atkinson, Wis. Yellow Cab Bar. For Candy Bars. 26,319; Aug. 14.
Dunn, Luke W., Dallas, Tex. Klansman Cigar. For Cigars. 26,323; Aug. 14.
Epstein, Jacob, Brooklyn, N. Y. Alden. For Cigars, Cigarettes, and Tobacco. 26,324; Aug. 14.
Frost, George, Company, Boston, Mass. Knicker Boston Garter. For Cards Containing Men's Garters. 26,325; Aug. 14.
Hutchison, Ethel B., Delano, Calif. California Cantaloupe Confection. For a Confection Having Cantaloupes as Its Base or Main Ingredient. 26,326; Aug. 14.
Kellogg Company, Battle Creek, Mich. Kellogg's Bran Cooked and Krumbled. For Cereal Breakfast Food. 26,327; Aug. 14.
Kirk, James S., & Company, Chicago, Ill. Jap Rose. For Soap. 26,328; Aug. 14.
Lionel Corporation, The, New York, N. Y. Lionel Electric Toy Trains. For Electric Toy Trains. 26,329; Aug. 14.
Moyer Bros., Chicago, Ill. Moyer Bros. For Pretzels. 26,330; Aug. 14.
Ohio Fruit Growers Cooperative Association, Columbus, Ohio. Buckeye Brand Apples. For Apples. 26,331; Aug. 14.
Ohio Fruit Growers Cooperative Association, Columbus, Ohio. Buckeye Brand Peaches. For Peaches. 26,332; Aug. 14.
Red Mill Hosiery Co. Inc., Wilmington, Del. Red Mill. For Hosiery. 26,333; Aug. 14.
Red Mill Hosiery Co. Inc., Wilmington, Del. Red Mill. For Hosiery. 26,334; Aug. 14.
Standard Paper Manufacturing Co., Richmond, Va. United States Blotting. For Blotting Paper. 26,335; Aug. 14.
Standley, W. E., doing business as W. E. Standley Co., Pittsburgh, Pa. The Ideal Tip Match. For Matches. 26,336; Aug. 14.

ALPHABETICAL LIST OF REGISTRANTS OF PRINTS.

Carleton & Hovey Company, Lowell, Mass. Mothers give Father John's Medicine. For Father John's Medicine. 6,857; Aug. 14.
Haas Bros., Cincinnati, Ohio. Show Girl. For Cigars. 6,858; Aug. 14.
Jantzen Knitting Mills, Portland, Oreg. The suit that changed bathing to swimming. For Swimming Suit. 6,859; Aug. 14.
Johnson, Cyril, Woolen Co., Stafford Springs, Conn. The Fabric's The Thing. For Woolen and Worsted Piece Goods for Men's Wear Only. 6,860; Aug. 14.
King's Food Products Company, Portland, Oreg. —The choice of a million American housewives. For Fruits and Vegetables. 6,861; Aug. 14.
Miller Rubber Company, The, Akron, Ohio. No More Spilt Milk. For a Nipple Applicator. 6,862; Aug. 14.
Miller Rubber Company, The, Akron, Ohio. Keeps the Clothes Dry. For a Nursery Apron. 6,863; Aug. 14.
Miller Rubber Company, The, Akron, Ohio. Miller Baby Week. For Nipple Applicator and Breast Nipples. 6,864; Aug. 14.
Miller Rubber Company, The, Akron, Ohio. For Baby's Comfort. For a Baby Comfort Kit. 6,865; Aug. 14.
Miller Rubber Company, The, Akron, Ohio. For Baby's Bath. For a Rubber Sponge. 6,866; Aug. 14.
Miller Rubber Company, The, Akron, Ohio. Nothing Comes Out. For Baby Pants. 6,867; Aug. 14.
Nestlé's Food Company, Inc., New York, N. Y. Nestlé's Every Day Milk. For Evaporated Milk. 6,868; Aug. 14.
Pratt-Low Preserving Co., Santa Clara, Calif. Prattlow Products Please Particular People. For Canned Fruits and Vegetables. 6,869; Aug. 14.
Squibb, E. R., & Sons, New York, N. Y. The importance of One Short Word! For Drugs. 6,870; Aug. 14.
Squibb, E. R., & Sons, New York, N. Y. The story time will tell. For Cold Cream. 6,871; Aug. 14.
Squibb, E. R., & Sons, New York, N. Y. Are you buying your medicine cabinet requisites "in the dark"? For Drugs. 6,872; Aug. 14.

ALPHABETICAL LIST OF TRADE-MARK APPLICANTS.

PUBLISHED FOR OPPOSITION.

[Act of Feb. 20, 1905, Sec. 6, as amended Mar. 2, 1907.]

Acheson Harden Co., The, New York, N. Y. Children's handkerchiefs. 167,216; Aug. 14.
Agra Shirt Co., New York, N. Y. Dress, negligee, and work shirts. 179,126; Aug. 14.
Aktiengesellschaft für Tiefbohrtechnik und Maschinenbau vormals Trauzl & Co., Vienna, Austria. Diesel motors and internal-combustion engines. 178,422; Aug. 14.
Al-Lon Manufacturing Company, Inc., Baltimore, Md. Ironing-board pads and covers, washable mattress covers. 180,646; Aug. 14.
Albeco Company, San Francisco, Calif. Foot-relief powder, massage cream, vanishing cream, hair pomade, etc. 176,309; Aug. 14.
Alligator Oil Clothing, St. Louis, Mo. Topcoats, raincoats, overcoats, and suits for men and boys. 172,853; Aug. 14.
American Nicotine Company, Henderson, Ky. Nicotine sulphate, free nicotine, and tobacco extracts. 162,096; Aug. 14.
American Pickle & Canning Company, Hattiesburg, Miss. Pickles and canned vegetables. 172,715; Aug. 14.
American Steel and Wire Company of New Jersey, The, Cleveland, Ohio; Chicago, Ill.; Pittsburgh, Pa.; New York, N. Y.; and Worcester, Mass. Metal fenceposts. 180,954; Aug. 14.
American Stove Company, St. Louis, Mo. Ovens for gas, gasoline, and oil stoves. 174,720; Aug. 14.
American Witch Hazel Supply Co., New York, N. Y. Perfume extract, talcum powder, cold cream face lotion, etc. 178,701; Aug. 14.
Amertex Mills, Inc., The, Bridgeport, Conn., and New York, N. Y. Women's, children's, and infants' coats, cloaks, wraps, etc. 160,852; Aug. 14.
Anglo Indian Drug & Chemical Co., The, doing business as Kaminia Perfumery Co., Bombay, India. Perfumery and hair oil. 166,869; Aug. 14.
Anita Company, The. (See Rostow, Anna D.)
Ariel Works Ltd., Birmingham, England. Cycles, motor cycles, automobiles, aeroplanes, and carriages. 137,252; Aug. 14.
Associated Laboratories. (See Raymond, Jules N.)
Automatic Recording Safe Co., The, Chicago, Ill. Portable savings banks. 180,825–6; Aug. 14.
Baltar, Joseph T., New Orleans, La. Tablets for the treatment of colds, la grippe, and headache. 179,258; Aug. 14.
Barke-Berger Food Products Co., Toledo, Ohio. Salads, salad dressings, pickles, etc. 175,182; Aug. 14.
Barley Motor Car Company, Kalamazoo, Mich. Taxicabs. 177,349; Aug. 14.
Battle Creek Food Company, The, Battle Creek, Mich. Nut butter. 175,057; Aug. 14.
Battle Creek Food Company, The, Battle Creek, Mich. Antitoxic foods, paraffin tablets and oil, etc. 175,060; Aug. 14.
Bedsole-Colvin Drug Co., Inc., Mobile, Ala. Writing tablets. 181,510; Aug. 14.
Bell, Frank W., doing business as The Bell Emulsion Company, Staunton, Va. Petroleum emulsion. 175,334; Aug. 14.
Berdan Company, The, Toledo, Ohio. Coffee and tea. 167,862; Aug. 14.
Berendsen Silk Knitting Co., Bangor, Pa. Full-fashioned and novelty hosiery. 179,648; Aug. 14.
Berliner, Edwin E., & Co., New York, N. Y. Cotton piece goods. 171,446; Aug. 14.
Bernheimer, Jacob S., & Bro., doing business as Mulhouse Mills, New York, N. Y. Imitation sateens. 179,087; Aug. 14.
Bethel Springs Water Co., Boothwyn, Pa. Battery water. 180,744; Aug. 14.
Botany Worsted Mills, Passaic, N. J. Fabric known as worsted rep. 181,334; Aug. 14.
Bowker Chemical Company, New York, N. Y. Water softener. 178,706; Aug. 14.
Boyd, A. C., doing business as Pine-O Chemical Company, Langdale, Ala. Furniture and automobile polish. 171,062; Aug. 14.
Bradford Dyers' Association, Limited, The, Bradford, England. Piece goods. 179,583; Aug. 14.
Brauns, Wilhelm, Gesellschaft mit beschränkter Haftung, Quedlinburg, Germany. Colors for dyeing. 174,160–1; Aug. 14.
Brine, James W., Company, Boston, doing business as Kingston Knitting Company, Cambridge, Mass. Sweaters, rib sport coats, bathing suits, etc. 178,708; Aug. 14.
Brooks-Wilbor-Parsons Company, Cleveland, Ohio. Books of blank forms. 123,328; Aug. 14.
Buddy Brooks, Inc., Marshall, Mich. Talcum powders. 162,375; Aug. 14.
Burns, William J., Brooklyn, N. Y. Hair tonic. 180,416; Aug. 14.
Byers, John F., Machine Company, The, Ravenna, Ohio. Cranes. 151,823; Aug. 14.
Byers Machine Company, The, Ravenna, Ohio. Cranes mounted on motor trucks. 175,068; Aug. 14.

C. B. C. Film Sales Corporation, New York, N. Y. Motion pictures. 179,025; Aug. 14.
California Aroma Co., Los Angeles, Calif. Chili pepper and chili powder. 165,527; Aug. 14.
California Associated Raisin Co. (now by change of name Sun Maid-Raisin Growers), Fresno, Calif. Raisins and candy. 157,758; Aug. 14.
California Bakery Company, Bisbee, Ariz. Bread. 153,076; Aug. 14.
California Canneries Co., San Francisco, Calif. Canned fruits and vegetables. 178,221; Aug. 14.
Cannon Toilet Manufacturing Co., The, St. Paul, Minn. Face and hand lotions, face creams, and hair pomades. 178,330; Aug. 14.
Carolina Cotton & Woolen Mills Company, The, Spray, N. C. Cotton blankets. 181,243–4; Aug. 14.
Carter, Ivy R., Estaca, Oreg. Lamp shades. 175,543; Aug. 14.
Catamount Manufacturing Co., Inc., Bennington, Vt. Athletic union suits for men, boys, and children. 177,831; Aug. 14.
Chemical Engineering Co. (Manchester) Ltd., The, Manchester, England. Grinding and crushing machinery. 180,418; Aug. 14.
Chemical Enterprises Incorporated, New York, N. Y. Disinfectants, insecticides, and deodorants. 179,133; Aug. 14.

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[Act of Feb. 20, 1905, Sec. 6, as amended Mar. 2, 1907.]

Chemische Fabrik Grünau Landshoff & Meyer, Aktiengesellschaft, Berlin and Grunau, near Berlin, Germany. Chemical products used in dyeing. 180,327; Aug. 14.
College Inn Food Products Co., Chicago, Ill. Cooked and canned food products. 170,865; Aug. 14.
Columbus McKinnon Chain Company, The, Columbus, Ohio. Tire-chain fasteners. 181,673; Aug. 14.
Cone Company of America, Long Island City, N. Y. Ice-cream cones. 158,819; Aug. 14.
Cord Tire Corporation, Chester, W. Va. Automobile rubber-tire casings. 181,635; Aug. 14.
Corrugated Bar Company, Inc., Buffalo, N. Y. Metal rods, bars, stirrups, etc., for reenforcing concrete, metallic lathing and studding, etc. 148,647; Aug. 14.
Cotter, R. E., Co., San Francisco, Calif. Canned fish, fruits, and vegetables. 180,209; Aug. 14.
Coty, Inc., Wilmington, Del., and New York, N. Y. Perfumes, toilet water, face powder, etc. 180,104; Aug. 14.
Cramp, William, & Sons Ship & Engine Building Co., The, Philadelphia, Pa. Gears and gear blanks. 154,962; Aug. 14.
Curtis Corporation, The, Wilmington, Del., and Long Beach, Calif. Canned ripe olives and canned fish. 171,305; Aug. 14.
Dade City Citrus Growers Association, Dade City, Fla. Fresh citrous fruits. 177,279; Aug. 14.
Dainty-Form Company Inc., New York, N. Y. Fat-reducing cream. 180,791; Aug. 14.
Dairy Laboratories, The, Philadelphia, Pa. Antiseptic and deodorizers. 177,898; Aug. 14.
Dan-Nax Co., The. (See Gunter, Daniel J.)
De Cameron, Inc., New York, N. Y. Perfumes. 178,961; Aug. 14.
De Guile Laboratories, Inc., Minneapolis, Minn. Muscle oil, acne and bleaching lotions, lemon cream, etc. 167,841; Aug. 14.
Denman Myers Cord Tire Company, The, Warren, Ohio. Tires composed of rubber and fabric. 181,252; Aug. 14.
Detroit Alloy Steel Company, Petroit, Mich. Tool steel. 166,554; Aug. 14.
Diamond Cab Sales Corporation, New York, N. Y. Automobile bodies. 179,993; Aug. 14.
Diamond Expansion Bolt Co., New York, N. Y. Galvanizing. 161,822; Aug. 14.
Diamond Match Company, The, Chicago, Ill. Matches. 178,914; Aug. 14.
Dickes, Block and Abbey, New York, N. Y. Dresses, costumes, and gowns. 176,538; Aug. 14.
Dunwoody, Halsey, Paris, France. Pharmaceutical preparations for rheumatism, bronchitis, etc. 174,959; Aug. 14.
E-Nam-O Mfgrs., Chicago, Ill. Chemical preparation for coloring hair. 180,796; Aug. 14.
Economic Perfume Manufacturing Co. (See Saluzzi, Pasquale.)
Elizabeth City Hosiery Co. Inc., Elizabeth City, N. C. Hosiery. 176,888; Aug. 14.
El Monte Canning Co., El Monte, Calif. Canned fruits and vegetables. 180,531; Aug. 14.
Emery, John R., Wakefield, Mass. Doorstops. 180,794; Aug. 14.
Ephraim Sanitary Canning Company, Ephraim, Utah. Canned vegetables. 168,674; Aug. 14.
Estate of Charles J. Fisk, deceased; Fisk and L. E. Waring, executors, Trenton Junction, N. J. Live poultry and eggs. 176,020; Aug. 14.
Everite Novelty Company. (See Rothschild, Rae.)
Ever Ready Chocolate Co., The, Rochester, N. Y. Prepared chocolate. 179,297; Aug. 14.
Fa-Mo Company, Memphis, Tenn. Sweet pickles. 167,592; Aug. 14.
Fashion Hat Company, New York, N. Y. Ladies', misses', and children's hats and caps. 179,298; Aug. 14.
Fellows Medical Manufacturing Company, Inc., New York, N. Y. Preparation of hypophosphites. 177,836; Aug. 14.
Ferond, Jules, Co., Inc., New York, N. Y. Preparation for the treatment of the scalp. 169,581; Aug. 14.
Festina Bros., New York, N. Y. Preparation for the treatment of kidney and blood diseases. 180,796; Aug. 14.
Fischer Brothers Company, Seattle, Wash. Canned fruits, vegetables, and fish, tea, coffee, etc. 175,782; Aug. 14.
Fisk, Harvey, et al., executors. (See estate of Charles J. Fisk.)
Five Brothers Medicine Co. (See Kobylanski, John F.)
Five-In-One Manufacturing Co., Dallas, Tex. Hair tonic and shampoo. 178,638; Aug. 14.
Fletcher, Robert, & Son, Limited, Stoneclough, near Manchester, England. Uncut cigarette paper. 180,002; Aug. 14.
Flexum Products Company, The, Denver, Colo. Cement preparation used as a substitute for glue or other adhesive. 177,600; Aug. 14.
Florida Citrus Exchange, Tampa, Fla. Canned citrous fruits. 175,719; Aug. 14.
Foamite-Childs Corporation, Wilmington, Del., and Utica, N. Y. Fire-extinguishing apparatus. 179,193; Aug. 14.
Forkner, J. C., Fig Gardens, Incorporated, Fresno, Calif. Jams. 171,071; Aug. 14.
Fort Howard Paper Company, Green Bay, Wis. Toilet paper, paper napkins, towels, and tablecloths. 180,757–8; Aug. 14.
Fort Kent Drug Company. (See Ouillette, Paul.)
Fox River Paper Company, Appleton, Wis. Writing paper. 181,688; Aug. 14.
Frank & Company, Savannah, Ga. Knitted underwear, sweaters, hosiery, caps, etc. 180,334; Aug. 14.
Frankfurt, Saul E., Cleveland, Ohio. Sanitary napkins and aprons. 155,878; Aug. 14.
Frolaset Corset Co., Detroit, Mich. Corsets, corset waists, brassières, bandeaux, etc. 177,291; Aug. 14.
Frost Superior Fence Co., The, Warren, Ohio. Vegetable crutch. 179,143; Aug. 14.
Frozen Fruit, Inc., Harrisburg, Pa. Candy. 159,088; Aug. 14.
Fruhauf Bros. & Co., New York, N. Y. Men's and young men's overcoats and suits. 176,736; Aug. 14.
Galbrun, Eugène, Paris, France. Solution containing peptone and iodine. 180,855; Aug. 14.
Gambinossi, Dante, New York, N. Y. Candy. 176,265; Aug. 14.
Garrett & Co. Inc., Brooklyn, N. Y. Food flavoring extracts and jellies. 172,644; Aug. 14.
Gem-Air Permanent Wave Co. Inc., New York, N. Y. Oily preparation for producing permanent waves in the human hair. 168,603; Aug. 14.
George Close Co., The, Cambridge, Mass. Candy. 170,563; Aug. 14.
George Urban Milling Company, Buffalo, N. Y. Wheat flour. 176,299; Aug. 14.
Germ-A-Lax Laboratories. (See Raymond, Jules N.)
Golding Fabrics Corporation, New York, N. Y. Piece goods made of silk. 181,182; Aug. 14.
Gorham Manufacturing Company, Providence, R. I. Desk sets, pens, lead pencils, envelopes, etc. 152,245; Aug. 14.
Grand Lake & Gulf Shrimp Company, Westwego, La. Canned shrimp. 156,740; Aug. 14.
Grant, W. T., Company, New York, N. Y. Candy. 170,881; Aug. 14.
Grennan Cake Corporation, Detroit, Mich. Casters. 181,593; Aug. 14.
Grigsby-Grunow-Hinds Co., Chicago, Ill. Windshield visors for automobiles. 167,390–1; Aug. 14.
Guest Neckwear Co., Inc., Rochester, N. Y. Neckties. 159,461; Aug. 14.
Gunter, Daniel J., doing business as The Dan-Nax Co., Atlanta, Ga. Liver regulator and tonic. 177,297; Aug. 14.
Gussow, Abraham, doing business as A. Gussow & Co., New York, N. Y. Women's cotton undergarments. 180,928–9; Aug. 14.
Gutman, F. V., Corp., New York, N. Y. Hosiery. 179,531; Aug. 14.
H. K. H. Silk Co., The, Watertown, Conn. Sewing silk. 181,594; Aug. 14.
H. L. Distillator & Son, New York, N. Y. Ladies' hats. 179,785; Aug. 14.
Haas, Baruch & Co., Los Angeles, Calif. Coffee. 176,623; Aug. 14.
Haloid Company, The, Rochester, N. Y. Sensitized photographic paper. 179,097; Aug. 14.
Harris, Charles G., jr., Philadelphia, Pa. Vegetable oils for hemorrhoids, cuts, bruises, etc. 160,767; Aug. 14.
Hauser Garrison Dry Goods Co., The, Wichita, Kans. Overalls, work shirts, combination work suits. 180,215; Aug. 14.
Hawley & Hoops, New York, N. Y. Candy. 177,971; Aug. 14.
Helmet Cap Company, Inc., The, New York, N. Y. Radiator caps. 172,532; Aug. 14.
Herz & Kory, New York, N. Y. Children's hand bags. 177,557; Aug. 14.
Hillyard, Newton S., doing business as Hillyard Chemical Company, St. Joseph, Mo. Floor dressing. 180,602; Aug. 14.
Hipolito Screen & Sash Co., Los Angeles, Calif. Window and door wire screens. 180,764; Aug. 14.
Hoefler, Henry R., Astoria, Oreg., and San Francisco, Calif. Chocolate and candies. 170,066; Aug. 14.
Hoefler, Henry R., Astoria, Oreg., and San Francisco, Calif. Chocolate and candies. 170,107; Aug. 14.
Holland, Joshua, doing business as Holland Pharmaceutical Company, Chicago, Ill. Sore-throat remedy. 179,407; Aug. 14.
Hood Rubber Company, Watertown, Mass. Rubber boots, shoes, and overshoes, rubber-soled canvas shoes. 179,470; Aug. 14.
Houbigant, Inc., New York, N. Y. Perfume, toilet water, face powder, etc. 176,625; Aug. 14.
Huff, John S., doing business as The Kleans-It Manufacturing Co., New Brighton, Pa. Chemical preparation for cleaning closet bowls. 178,846; Aug. 14.
Huffman, William G., jr., Greenville, Tex. Laxative. 177,741; Aug. 14.
I. C. Refrigeration Co., New York, N. Y. Automobile and refrigeration trucks, and refrigeration railroad cars. 180,476; Aug. 14.

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[Act of Feb. 20, 1905, Sec. 6, as amended Mar. 2, 1907.]

Import Drug Specialties Co., The, Cleveland, Ohio. Candy. 178,847; Aug. 14.
Import Drug Specialties Co., The, Cleveland, Ohio. Ointment for chest colds, head colds, influenza, etc. 178,848; Aug. 14.
Inland Steel Company, Chicago, Ill. Copper-alloy steel. 169,856; Aug. 14.
Interlake Tissue Mills Co. Ltd., Merritton, Ontario, Canada. Toilet paper. 178,043; Aug. 14.
International Shoe Company, St. Louis, Mo. Leather shoes. 179,471; Aug. 14.
Jean, Buena V., doing business as W. F. D. Jean, Baltimore, Md. Coffee. 176,026; Aug. 14.
Jennings, O. D., & Company, Chicago, Ill. Weighing scales and coin-controlled scales. 181,077; Aug. 14.
Jenny Lee Frocks Inc., Minneapolis, Minn. Dresses, gowns, suits, wraps, and coats. 180,378; Aug. 18.
Johnson, B. L., & Co., Inc., Knoxville, Tenn. Candy. 177,975; Aug. 14.
Johnson & Sons, London, England, and New York, N. Y. Photographic developer. 166,834–5; Aug. 14.
Josselyn, Elmer H., Baltimore, Md. Candy. 176,190; Aug. 14.
Kahn's, E., Sons Company, The, Cincinnati, Ohio. Tankage. 176,191; Aug. 14.
Kaminia Drug & Chemical Co. (See Anglo Indian Drug & Chemical Co.)
Karlin, Hyman, New York, N. Y. Olive oil. 175,497; Aug. 14.
Keetle and Keetle, Ashland, Nebr. Preparation for treatment of fistula. 179,604; Aug. 14.
Keller, Matthew F., Springfield, Ohio. Paints, enamels, colors, etc. 137,528; Aug. 14.
Keystone Lubricating Company, Philadelphia, Pa. Grease and oil cups and lubricators. 179,005; Aug. 14.
Kidd and Company, Inc., Chicago, Ill. Peanut butter. 177,304; Aug. 14.
King, M. D., Milling Company, Pittsfield, Ill. Wheat flour. 176,192–3; Aug. 14.
Kingston Knitting Company. (See Brine, James W., Company.)
Kisco Pharmacal Co. (See Schuman, Lewis.)
Kleans-It Manufacturing Co., The. (See Hugh, John S.)
Klein, Alec, doing business as F. L. Klein Noodle Co., Chicago, Ill. Saratoga potato chips, macaroni, egg noodles, and spaghetti. 163,154; Aug. 14.
Kobylanski, John F., doing business as Five Brothers Medicine Co., Gary, Ind. Liniments and pills. 176,838; Aug. 14.
Kohn and Silverberg, Chicago, Ill. Dyes and dye sticks. 179,208; Aug. 14.
Kools Manufacturing Company, Appleton, Wis. Vegetable-paring machines. 179,605; Aug. 14.
Kwik-Ege Stropper Co. (Not Inc.), Chicago, Ill. Razor-blade-stropping holders. 158,129; Aug. 14.
La Cie. C. H. Catelli, Limited, Montreal, Quebec, Canada. Alimentary pastes. 166,348; Aug. 14.
Le Benart Import Company, Inc., New York, N. Y. Perfumes. 180,017; Aug. 14.
Leib, William A., Co. Inc., New York, N. Y. Sweaters, dresses, and scarfs. 176,744; Aug. 14.
Leichtman, Calvin, doing business as Leichtman Candy Manufacturing Company, Hazleton, Pa. Candy. 175,932; Aug. 14.
Lemoine, Narcisse, doing business as N. Lemoine Company, Framingham, Mass. Medicinal preparation for the treatment of piles. 176,083; Aug. 14.
Lemoine, Narcisse, doing business as N. Lemoine Company, Framingham, Mass. Preparation for the treatment of catarrh. 176,084; Aug. 14.
Levey Printing Company, Indianapolis, Ind. Filing and other cabinets, desks, stools, etc. 173,507; Aug. 14.
Lilly, E. F., doing business as E. F. Lilly Company, Morganton, N. C. Insect-destroying compound. 179,048; Aug. 14.
Limbaugh, E. E., doing business as The Probaugh Company, Atlanta, Ga. Antiseptic and germicide. 175,563; Aug. 14.
Liquid Carbonic Company, The, Chicago, Ill. Compound of vegetable gums and sugars. 178,853; Aug. 14.
Lodder, Andrew J., doing business as Park Chemical Company, Cincinnati, Ohio. Water-soluble powder for application to windows for eliminating sun glare. 178,561; Aug. 14.
Lovell, H. R., & Co., Greenville, Pa. Preparation for the treatment of itching and diseased scalps, etc. 177,308; Aug. 14.
McCandless, John D., Roswell, N. Mex. Preparation for use in the treatment of tuberculosis, asthma, influenza, etc. 180,873; Aug. 14.
McRoberts, R. W., Atlanta, Ga. Medicine used in the treatment of rickets, etc. 180,874; Aug. 14.
Mannesmannröhren-Werke, Dusseldorf, Germany. Bicycles and motor cycles and parts thereof, etc. 163,691; Aug. 14.
Marchiony Brothers, Inc., New York, N. Y. Ice cream, flavored ice, ice-cream bricks, etc. 157,377; Aug. 14.
Mari Valda Beauty Products Co. (See Thompson, Albert H.)
Marshall Field & Company, Chicago, Ill. Cotton piece goods. 179,521; Aug. 14.
Marvelette Company, Defiance, Ohio. Hair tonic. 179,945; Aug. 14.
Marvin, Charlotte E., San Francisco, Calif. Jellies, jams, preserves, marmalades, and pickles. 176,198; Aug. 14.
Mattlage, Charles F., & Sons, Inc., New York, N. Y. Canned, smoked, dried, and salt fish. 158,785; Aug. 14.
Medina Manufacturing Co., The, Medina, Ohio. Lift jack. 163,166; Aug. 14.
Merck & Co., New York, N. Y. Preparation used for the treatment of goiter and as a prophylactic. 180,076; Aug. 14.
Migel, J. A., Inc., North Bergen, N. J., and New York, N. Y. Broad silk for dresses and garments. 174,969; Aug. 14.
Migel, J. A., Inc., North Bergen, N. J., and New York, N. Y. Dresses, skirts, wraps, blouses. 180,485; Aug. 14.
Milk & Kass, New York, N. Y. Men's shirts. 177,449; Aug. 14.
Miller, William, Muncie, Ind. Cough sirup. 180,768; Aug. 14.
Miller's, Jacob, Sons Co., Philadelphia, Pa. Cotton, silk, linen, etc., piece goods. 181,035; Aug. 14.
Mills, James G., doing business as Saltersod Company, Electra, Tex. Preparation for treatment of influenza. 180,339; Aug. 14.
Mitten Traylor, Inc., Philadelphia, Pa. Self-propelled vehicles, motor coaches and busses. 180,818; Aug. 14.
Model Brassiere Co., Inc., New York, N. Y. Brassières and garter brassières. 179,280; Aug. 14.
Moore Brothers, Chicago, Ill. Portable self-propelled cranes or derricks. 180,077; Aug. 14.
Morana, Inc., New York, N. Y. Artificial-vanilla materials suitable for the manufacture of flavoring extracts. 178,766; Aug. 14.
Motosacoche Société Anonyme, Geneva, Switzerland. Internal-combustion motors and internal-combustion motors for motor cycles, runabouts, etc. 180,340; Aug. 14.
Mulhouse Mills. (See Bernheimer, Jacob S., & Bro.)
Mummert Lumber & Tie Co., Chicago, Ill. Engine push poles. 177,315; Aug. 14.
Munter, Charles, New York, N. Y. Corsets, ladies' underwear, etc. 174,701; Aug. 14.
National Screen Service, Inc., New York, N. Y. Motion-picture films. 178,353; Aug. 14.
New Jersey Paper Tube Company, Englewood, N. J. Soda straws. 156,542; Aug. 14.
New York Mackintosh Clothing Company, New York, N. Y. Rain proof garments. 179,420; Aug. 14.
Northwestern Yeast Company, Chicago, Ill. Yeast and vitamine food products which involve the use of yeast. 164,658; Aug. 14.
Oak Grove General Sanitarium. (See Secoy, Edward A.)
Odor, Frank B., Coshocton, Ohio. Medicine for treatment of tuberculosis of the bone and like diseases. 178,864; Aug. 14.
Ohio Valley Coffee Co., The, Portsmouth, Ohio. Coffee. 178,270; Aug. 14.
Orangevale Fruit Growers Exchange, Orangevale Colony, Calif. Fresh and deciduous fruits. 168,782; Aug. 14.
Original Tire Co., Cincinnati, Ohio. Tires, inner tubes, linings, boots, and tire patches. 180,670; Aug. 14.
Orosz, John, Adena, Ohio. Blood-cleaning liquid. 179,011; Aug. 14.
Osakeyhtio Savo, Ltd., Kuopio, Finland. Matches. 171,864; Aug. 14.
Ouillette, Paul, doing business as Fort Kent Drug Company, Fort Kent, Me. Pills for use as a blood purifier and system tonic. 179,675; Aug. 14.
Park Chemical Company. (See Lodder, Andrew J.)
Parker Products, Inc., Boston, Mass. Holders for razor blades during sharpening. 180,027; Aug. 14.
Peters, William H., doing business as The Red-Ot Company, Providence, R. I. Medicinal preparation. 180,722; Aug. 14.
Peyton, W. P., Fruit Co., Los Angeles, Calif. Fresh citrous fruit and fresh grapefruit. 177,863; Aug. 14.
Phoenix Flour Mill, Evansville, Ind. Wheat flour. 176,914; Aug. 14.
Pincus & Otto, Hamburg, Germany. Gloves. 164,001; Aug. 14, 1923.
Pine-O Chemical Company. (See Boyd, A. C.)
Pine Tree Shirt Co., New York, N. Y. Dress and negligee shirts and pyjamas. 176,034; Aug. 14.
Probaugh Company, The. (See Limbaugh, E. E.)
Raymond, Jules N., doing business as Associated Laboratories and Germ-A-Lax Laboratories, Chicago, Ill. Intestinal germicide and laxative. 180,890; Aug. 14.
Red-Ot Company, The. (See Peters, William H.)
Richardson, O. W., & Co., Chicago, Ill. Textile rugs and carpets. 168,552; Aug. 14.
Ridenour-Baker Grocery Company, Kansas City, Mo. Coffee. 176,218; Aug. 14.
Ringe, Mamie, Philadelphia, Pa. Candies. 154,570; Aug. 14.
Rohe & Brother, New York, N. Y. Smoked pork products. 171,708; Aug. 14.

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Rosenberg Bros., New York, N. Y. Ladies' furs. 178,675; Aug. 14.
Rostow, Anna D., doing business as The Anita Company, Newark, N. J. Markers for towels, etc. 179,013; Aug. 14.
Rothschild, Rae, doing business as Everite Novelty Company, New York, N. Y. Writing pads. 180,812; Aug. 14.
Rubber Service Laboratories Co., The, Akron, Ohio. Compound produced by the interaction of aldehydes and amines and used in curing rubber articles. 177,624; Aug. 14.
Rubber Service Laboratories Company, The, Akron, Ohio. Hardwood pitch. 171,471; Aug. 14.

Saltersod Company. (See Mills, James G.)
Saluzzi, Pasquale, doing business as Economic Perfume Manufacturing Co., Brooklyn, N. Y. Hair tonic and skin lotion. 176,765; Aug. 14.
Salvaderm Co., New York, N. Y. Skin lotion. 178,934; Aug. 14.
Savannah Truckers Exchange, Savannah, Ga. Fresh vegetables. 176,219; Aug. 14.
Schanzer, Siegfried, New York, N. Y. Knitted and woven caps. 180,031; Aug. 14.
Schmidt, Albert C., San Francisco, Calif. Female suppositories for the local treatment of catarrhal conditions of the vagina and uterine cervix. 177,698; Aug. 14.
Schroy, L. D., Company, The, Akron, Ohio. Inkwell bases, sponge cups, desk pads, pen trays, etc. 180,725; Aug. 14.
Schuman, Lewis, doing business as Kisco Pharmacal Co., Mount Kisco, N. Y. Preparation for asthmatic paroxisms, hay asthma or rose cold, and bronchitis. 180,194; Aug. 14.
Schuster Company Incorporated, The, Louisville, Ky. Shirts, neckwear, underwear, sweaters, etc. 149,779; Aug. 14.
Schwalb, William A., New York, N. Y. Face or wash cloths. 180,813; Aug. 14.
Secoy, Edward A., doing business as Oak Grove General Sanitarium, Williamsport, Ohio. Medicine for the treatment of influenza, etc. 178,875; Aug. 14.
Selig Company, The, Atlanta, Ga. Deodorizing fluid. 180,393; Aug. 14.
Selig Company, The, Atlanta, Ga. Disinfectant. 180,394–6; Aug. 14.
Selkow, Irving, doing business as Washington Barber Supply Co., New York, N. Y. Hair tonic. 179,227; Aug. 14.
Shedaker, Charles E. & Sons, Philadelphia, Pa. Men's and women's woven textile athletic underwear and women's bloomers. 179,627; Aug. 14.
Sherwood Petroleum Company, Inc., Brooklyn, N. Y. Synthetic petrolatum and petroleum jelly. 179,063; Aug. 14.
Simmons Hardware Company, St. Louis Mo. Bicycle tires and automobile tubes and casings. 169,259; Aug. 14;
Smith, M. E., & Company, Inc., Omaha, Nebr. Women's shirts. 173,986; Aug. 14.
Smith Oil & Refining Company, Rockford, Ill. Cleaner and polish for automobiles, furniture, etc. 180,627; Aug. 14.
Société Anonyme des Elevateurs de Liquides "Chaine-Helice" Bessonnet-Favre, Chatellerault, France. Conveyer chains for liquids. 180,305; Aug. 14.
Société Anonyme des Laboratoires Innoxa, Paris, France. Toilet powder, cold cream, eau de cologne, etc. 181,353; Aug. 14.
Societe Anonyme Fabriques de Produits de Chimie Organique de Laire, Issy, France. Teas and coffees and tea and coffee extracts and substitutes. 174,269; Aug. 14.
Societe Vinicole de Champagne, Paris, France. Champagne wine. 165,211; Aug. 14.
South Bend Spark Arrester Co., The, South Bend, Ind. Spark arresters. 167,900; Aug. 14.
Southern Specialty Company, Thomasville, Ga. Insecticide. 180,902; Aug. 14.
Spokane Bakery Co., Spokane, Wash. Ice cream. 177,054; Aug. 14.
Stafford, George A., doing business as G. A. Stafford & Company, New York, N. Y. Woven cotton fabrics in the piece. 124,422; Aug. 14.
Standard Textile Products Company, The, Youngstown, Ohio, and New York, N. Y. Oilcloth. 181,500; Aug. 14.
Stanley Works, The, New Britain, Conn. Rules, yardsticks, bevels, etc. 179,443; Aug. 14.
Stanley Works, The, New Britain, Conn. Rules, yardsticks, bevels etc. 179,445; Aug. 14.
Stowell, George L., Waltham, Mass. Preparation for an ointment for corns, bunions, calli, cuts, bruises, etc. 166,793; Aug. 14.
Strauss, Levi, & Co., San Francisco, Calif. Shirts, blouses, coats, pants, etc. 179,503; Aug. 14.
Su-Dex Wood Curing Company, Inc., Coscob, Conn., and Brooklyn, N. Y. Carbohydrates and chemicals used in the treatment, processing, etc., of wood, lumber, etc. 164,608; Aug. 14.
Sun-Maid Raisin Growers. (See California Associated Raisin Co.)
Swenson Evaporator Company, Harvey, Ill. Evaporators. 175,530; Aug. 14.

Tailored Woman, Inc., The, New York, N. Y. Dresses for women. 177,148. Aug. 14.
Takamine Laboratory, Inc. Clifton, N. J. Yeast aid in the baking of bread. 161,286; Aug. 14.
Tao Tea Company, Inc., New York, N. Y. Tea. 171,292; Aug. 14.
Taylor, Raymond E., Portland, Oreg. Zinc-chloride antiseptic and deodorant for gums, sore throat, and tonsillitis. 180,907; Aug. 14.
Thayer, W. E., Company, Inc., Mount Vernon, N. Y. Files. 157,781; Aug. 14.
Thompson, Albert H., doing business as Mari Valda Beauty Products Co., San Francisco, Calif. Beauty paste and hair tonic. 173,219; Aug. 14.
Timing Gears Corporation, Chicago, Ill. Gears. 179,892; Aug. 14.
Tryon Mills of Vermont, Bennington, Vt. Undershirts, underdrawers, and union suits. 177,930; Aug. 14.
Unico Motor Products Corporation, St. Louis, Mo. Piston or packing rings. 166,332; Aug. 14.
Union Pharmacal Company, Kansas City, Mo. Face, finishing, bleaching, cold, vanishing, almond, lemon, and cocoa-butter creams, etc. 177,414; Aug. 14, 1923.
United Shoe Machinery Corporation. Paterson, N. J., and Boston, Mass. Nails. 182,024; Aug. 14.

Vajada, Joseph, New York, N. Y. Medicinal liquid for lungs and kidney and for healing wounds and sores. 178,886; Aug. 14.
Valona Manufacturing Co. (See Wojciechowski, Roman H.)
Vancouver Cedar Mills, Limited, Vancouver, British Columbia, Canada, and Chicago, Ill. Shingles, siding, and finishing lumber. 169,515; Aug. 14
Vandewart Company Incorporated, New York, N. Y. Knitted piece goods. 178,784; Aug. 14.
Vanity Fair Silk Mills, Reading, Pa. Vests, bloomers, knickerbockers, drawers, union suits, etc. 167,109; Aug. 14.
Van Raalte Company Inc., New York, N. Y. Women's underwear. 179,020; Aug. 14.
Vincent Drug Company, The, Texarkana, Ark. Preparation for a douche for vaginal disorders. 164,281; Aug. 14.
Vulcan Proofing Company, Brooklyn, N. Y. Offset blankets, rubber sheetings, sheet rubber, etc. 180,156; Aug. 14.

Waples Platter Grocer Co., Fort Worth, Tex. Coffee. 179,500; Aug. 14.
Waring, Lewis E., et al., executors. (See estate of Charles J. Fisk.)
Warner Brothers Company, The, Bridgeport, Conn. Bandeaux and brassières. 179,903; Aug. 14.
Washington Barber Supply Co. (See Selkow, Irving.)
Welden National Bank, The, St. Albans, Vt. Table sirup and maple sugar. 162,088; Aug. 14.
Western Grocer Company, Marshalltown, Iowa. Canned grapefruit, fruit salad, pimientoes, tunny, etc. 176,235; Aug. 14.
Western Paper Box Company, Chicago, Ill. Paper pails. 181,796–8; Aug. 14.
Whitman, Stephen F., & Son, Incorporated, Philadelphia, Pa. 177,642; Aug. 14.
Whitney, Vincent Company, San Francisco, Calif. Casement-window supports. 180,091; Aug. 14.
Whittall, M. J., Associates, Worcester, Mass. Wilton and plush carpets. 167,065; Aug. 14.
Wickes, Wm. Wirt, & Son, New York, N. Y. Molasses. 176,930; Aug. 14.
Wiener, Nathan, New York, N. Y. Underwear, brassières, bloomers, petticoats, etc. 179,694; Aug. 14.
Wireless Spitzescope Co., The, San Francisco, Calif. Apparatus for determining by return vibration the distance between two objects. 179,290; Aug. 14.
Wojciechowski, Floryan P., doing business as O-Ko Remedy Products Co., Toledo, Ohio. Ointment, liniment, and cough sirup. 181,328; Aug. 14.
Wojciechowski, Roman H., doing business as Valona Manufacturing Co., Brooklyn, N. Y. Liquids and ointments for scalp and skin. 179,123; Aug. 14.
Woolner & Smith, New York, N. Y. Men's overcoats and suits. 177,060; Aug. 14.
Wood Brothers Thresher Company, Des Moines, Iowa. Thrashing machines. 180,350; Aug. 14.
Woolfolk, W. T., doing business as Woolfolk Coffee Company, Lexington, Ky. Coffee. 147,856; Aug. 14.

Young, Thomas Inc., New York, N. Y. Linen piece goods. 181,231; Aug. 14.

Zangmaster, John E., Columbus, Ohio. Coated ice-cream products. 158,352; Aug. 14.
Zeno Company, Inc., New York, N. Y. Combination outer suits, knickerbockers, coats, and caps for children. 180,257; Aug. 14.

CLASSIFIED LIST OF TRADE-MARKS REGISTERED.

CLASS 1.

Birds, Canary. J. Schlagheck. 171,920; Aug. 14.
Coal. Reliance Coal and Coke Co. 171,941. Aug. 14.
Leather. Monarch Leather Company. 171,965; Aug. 14.

CLASS 2.

Tanks. Chicago Bridge & Iron Works. 171,946; Aug. 14.

CLASS 4.

Brass and iron cleaners. Bird-Archer Company. 171,765; Aug. 14; Serial No. 158,595; published May 1, 1923.
Cleaning compound. Reeder-Stage Chemical Company. 171,851; Aug. 14; Serial No. 170,954; published May 1, 1923.
Cleansing and polishing fluid. Zip Products Company. 171,717; Aug. 14; Serial No. 147,328; published Aug. 23, 1921.
Compound for cleaning hands and the like. Whitehouse Products Co. 171,877; Aug. 14; Serial No. 172,700; published May 1, 1923.
Fabrics, Liquid for cleaning. Wilson-Imperial Company. 171,853; Aug. 14; Serial No. 170,850; published May 1, 1923.
Lavatory cleanser. H. Pickup. 171,868; Aug. 14; Serial No. 174,259; published May 15, 1923.
Polishing composition, Lime. A. P. Munning & Co. 171,747; Aug. 14; Serial No. 166,242; published May 1, 1923.
Polishing wheels, Cloth. A. P. Munning & Co. 171,748; Aug. 14; Serial No. 166,193; published May 8, 1923.
Polishing wheels, Cloth. A. P. Munning & Co. 171,749; Aug. 14; Serial No. 166,190; published May 8, 1923.
Soap. Harris Soap Company. 171,743; Aug. 14; Serial No. 166,945; published May 15, 1923.
Soap, polishes, and abrader preparations. Titanium Pigment Company. 171,778; Aug. 14; Serial No. 173,110; published May 15, 1923.
Soap, Shaving. O. H. v. Mayenburg. 171,708; Aug. 14; Serial No. 156,997; published May 1, 1923.
Soap, Toilet. J. G. Bradley. 171,929. Aug. 14.
Soap, Toilet. J. Grossmith & Son, Limited. 171,850; Serial No. 170,977; published May 15, 1923.
Soap, Toilet. Swine Breeders Pure Serum Company. 171,856; Aug. 14; Serial No. 174,869; published May 1, 1923.
Soap, Toilet. Yardley & Co. 171,867; Aug. 14; Serial No. 174,377; published May 1, 1923.
Soaps. I. Suliman. 171,706; Aug. 14; Serial No. 174,944; published May 8, 1923.
Soaps, soap pastes and powders. Parfumerie Roger & Gallet. 171,777; Aug. 14; Serial No. 173,142; published May 8, 1923.
Tallow. Consolidated Rendering Co. 171,944; Aug. 14.
Washing compound. Mello Company. 171,769; Aug. 14; Serial No. 173,607; published May 15, 1923.

CLASS 5.

Rubber splices and strips and adhesive tape. Canfield Rubber Company. 171,960; Aug. 14.

CLASS 6.

Antiseptic. L. L. Erwin. 171,953; Aug. 14.
Antitoxins, antiseptics, astringents, etc. E. Winger. 171,968; Aug. 14.
Hair dressing. Glossy Straight Manufacturing Co. 171,917; Aug. 14.
Hair restorative. F. La Fuer. 171,903; Aug. 14.
Insecticide. J. L. Hopkins & Co. 171,890; Aug. 14; Serial No. 172,381; published May 1, 1923.
Medicinal compounds. George D. Hoover Manufacturing Phamacist, Inc. 171,949; Aug. 14.
Perfume extracts, lotions, toilet water, etc. M. Rabani. 171,954; Aug. 14.
Preparation for treatment of eyelashes. Jean Jordeau, Inc. 171,952; Aug. 14.
Rouge. Richard Hudnut. 171,911; Aug. 14.
Salve. B. Walther. 171,948; Aug. 14.
Tooth paste. National Drug Stores Corp. 171,967; Aug. 14.
Twine. Wortendyke Manufacturing Co. 171,950; Aug. 14.

CLASS 9.

Matches. Diamond Match Company, The. 171,787; Aug. 14; Serial No. 178,897; published May 22, 1923.

CLASS 13.

Anchor rods. A. B. Chance. 171,797; Aug. 14; Serial No. 176,324; published May 15, 1923.
Chains, Sheet-metal. Smith & Egge Manf'g. Co. 171,774; Aug. 14; Serial No. 173,446; published May 15, 1923.
Couplings, pipes, tubes, and casings, Metal. National Tube Company. 171,830; Aug. 14; Serial No. 175,882; published May 1, 1923.
Culinary utensils, Aluminum. L. C. Jones. 171,734; Aug. 14; Serial No. 169,907; published May 22, 1923
Fire hydrants, indicator posts, gate valves, etc. Kennedy Valve Mfg. Co. 171,709–10; Aug. 17; Serial Nos. 156,088–9; published May 22, 1923.
Tables, Metal tops for kitchen and other. American Range & Foundry Company. 171,771; Aug. 14; Serial No. 173,550; published May 1, 1923.
Valves, Caps for inflation. Dill Manufacturing Company. 171,942; Aug. 14.
Window regulators. Dura Company. 171,735; Aug. 14; Serial No. 169,863; published May 8, 1923.
Wire, Barbed. Gulf States Steel Company. 171,810–2; Aug. 14; Serial Nos. 177,777–9; May 15, 1923.
Wire fences. Atlantic Steel Company. 171,801; Aug. 14; Serial No. 176,531; published May 15, 1923.

CLASS 14.

Alloys, Heat and corrosion resisting. F. A. Fahrenwald. 171,798; Aug. 14; Serial No. 176,332; published May 22, 1923.
Alloys of copper, zinc, and nickel, wire in coils, etc., Metal. Seymour Manufacturing Company. 171,834; Aug. 14; Serial No. 175,954; published May 15, 1923.
Aluminum and aluminum alloys, Crude and prepared. Aluminium Industrie-Aktien-Gesellschaft. 171,707; Aug. 14; Serial No. 174,875; published May 1, 1923.
Aluminum and aluminum alloys. Aluminium-Industrie-Aktien-Gesellschaft. 171,819; Aug. 14; Serial No. 175,291; published May 1, 1923.
Bearing and packing metal, brass and bronze castings. Fredericksen Company. 171,832; Aug. 14; Serial No. 175,925; published May 15, 1923.
Bronze, Bearing. Oregon Brass Works. 171,813–4; Aug. 14; Serial Nos. 178,274–5; published May 15, 1923.
Castings and forgings, Metal. Henry & Allen. 171,828; Aug. 14; Serial No. 175,791; published May 1, 1923.
Metal and bars, sheets, strips, etc., Special-process. J. Briggs & Sons Co. 171,895; Aug. 14; Serial No. 171,827; published May 1, 1923.
Metal, Babbitt. U. T. Hungerford Brass & Copper Co. 171,791; Aug. 14; Serial No. 178,390; published May 15, 1923.
Metal used for agitating or stirring mineral, etc., Cast. American Abrasive Metals Company. 171,808; Aug. 14; Serial No. 177,464; published May 15, 1923.
Metals. Seymour Manufacturing Company. 171,835; Aug. 14; Serial No. 175,952; published May 15, 1923.
Metallic compounds. Alumino-Thermic Corporation. 171,884; Aug. 14; Serial No. 172,660; published May 22, 1923.
Platers'-bars, sheet metal, metal rods, and ingots. Platinide Co. Inc. 171,875; Aug. 14; Serial No. 173,719; published May 8, 1923.
Steel in bar, etc., forms, steel castings and forgings. Hadfields Limited. 171,824; Aug. 14; Serial No. 175,553; published May 8, 1923.

CLASS 15.

Gasoline. American Oil Corporation. 171,918; Aug. 14.

CLASS 16.

Oils. Union Petroleum Company. 171,920; Aug. 14.
Polish. Sherwin-Williams Company. 171,956; Aug. 14.

CLASS 17.

Cigars. S. Rodriguez. 171,759; Aug. 14; Serial No. 178,869; published May 29, 1923.

CLASS 19.

Vehicles, Gasoline. Rubay Company. 171,914; Aug. 14.

CLASS 21.

Batteries, Storage. J-E Battery Co. of Southern California Inc. 171,957; Aug. 14.
Insulation. Composition for electrical. Johns-Manville, Incorporated. 171,951; Aug. 14.
Radio receiving sets. Lincoln Radio Corporation. 171,959; Aug. 14.

CLASS 22.

Decoys, Duck. Best Duck Decoy Co. 171,931; Aug. 14.

CLASS 23.

Bag filling and packaging machinery. Bates Valve Bag Company. 171,809; Aug. 14; Serial No. 177,539; published May 15, 1923.
Carving, edge, and coopers' tools and the like. Mack Tool Company. 171,864; Aug. 14; Serial No. 174,523; published May 1, 1923.
Churns. Fredrickson Brothers. 171,711; Aug. 14; Serial No. 155,813; published May 22, 1923.

Compressors and small motor-driven compressor units, Small air. Brunner Manufacturing Company. 171,940; Aug. 14.

Concrete mixers, saw tables, etc. C. E. La Boyteaux. 171,705; Aug. 14; Serial No. 174,966; published May 8, 1923.

Engines, Compressed-air self-starters for internal-combustion. Ida Starter Limited. 171,846; Aug. 14; Serial No. 171,128; published May 1, 1923.

Files and rasps. C. O. Öberg & Co:ts Aktiebolag. 171,822; Aug. 14; Serial No. 175,544; published May 8, 1923.

Fly-chasing attachments to be attached to screen doors. H. Pilger. 171,893; Aug. 14; Serial No. 172,012; published May 15, 1923.

Gear wheels and gear-wheel blanks, Nonmetallic. General Electric Company. 171,835; Aug. 14; Serial No. 176,118; published May 8, 1923.

Knives, safety-razor blades, glass cutters, Butcher and kitchen. H. C. Hart. 171,858; Aug. 14; Serial No. 174,738; published May 1, 1923.

Oilers, Elevator-rail. G. M. Osterberg. 171,886; Aug. 14; Serial No. 172,551; published May 8, 1923.

Plapers, lathes, and drilling machines. Niles-Bement-Pond Company. 171,804; Aug. 14; Serial No. 177,017; published May 22, 1923.

Pump coupling. J. J. O'Brien. 171,803; Aug. 14; Serial No. 176,757; published May 8, 1923.

Pumps. F. E. Myers & Bro. Co. 171,764; Aug. 14; Serial No. 158,784; published May 8, 1923.

Pumping apparatus. Allen Hydrostatic Pump Syndicate Ltd. 171,869; Aug. 14; Serial No. 174,191; published May 15, 1923.

Razor-blade-stropping holders. Sure Edge Stropper Company. 171,870; Aug. 14; Serial No. 174,187; published May 1, 1923.

Revivifying kieselguhr, apparatus for producing charcoal, fish-meal apparatus, and sirup clarifiers. Apparatus for. Stanley Hiller, Inc. 171,836; Aug. 14; Serial No. 171,713; published May 8, 1923.

Saws. Southern Saw Works. 171,763; Aug. 14; Serial No. 159,538; published May 1, 1923.

Tractors, Motor-driven farm. Marvel Tractor Co. 171,720; Aug. 14; Serial No. 142,798; published May 22, 1923.

Vehicles, Vacuum feed systems for motor. Byrne, Kingston & Co. 171,896; Aug. 14; Serial No. 171,724; published May 15, 1923.

Wrenches. W. M. Lawrence. 171,724; Aug. 14; Serial No. 170,721; published May 8, 1923.

Wrenches, Tappet. Bonney Forge & Tool Works. 171,873; Aug. 14; Serial No. 173,993; published May 15, 1923.

CLASS 25.

Bolts, locks, and bolts, steel mortise, and rim locks, etc., Cremorne and espagnolette. Société P. & A. Picard. 171,566; Aug. 14; Serial No. 158,583; published May 1, 1923.

Locks, Coin-controlled. Michican Coin Lock Company. 171,815; Aug. 14; Serial No. 178,350; published May 15, 1923.

Safes, vault doors, locks, and safe-denosit boxes. Diebold Safe & Lock Company. 171,871; Aug. 14; Serial No. 174,127; published May 8, 1923.

Steering-post control and exhaust lock. A. H. Adams. 171,800; Aug. 14; Serial No. 176,435; published May 15, 1923.

Vehicle wheels, Antitheft locks for motor. G. E. Westberg. 171,805; Aug. 14; Serial No. 177,155; published May 8, 1923.

CLASS 26.

Balances and weighing scales. Christian Becker, Inc. 171,827; Aug. 14; Serial No. 175,597; published May 1, 1923.

Cash registers. American Cash Register Co. 171,831; Aug. 14; Serial No. 175,909; published May 15, 1923.

Clothing models and patterns. M. Levitt. 171,841; Aug. 14; Serial No. 171,124; published May 15, 1923.

Lenses, Ophthalmic. R. H. Macy & Co. 171,820; Aug. 14; Serial No. 175,363; published May 15, 1923.

Ophthalmic mountings, and parts thereof. Stevens & Company. 171,857; Aug. 14; Serial No. 174,867; published May 1, 1923.

Ophthalmic mounthgs and parts thereof. Stevens & Company. 171,861; Aug. 14; Serial No. 174,540; published May 22, 1923.

Patterns, Dress. Pictorial Review Company. 171,863; Aug. 14; Serial No. 174,526; published May 22, 1923.

Picture films, Motion. Metro Pictures Corporation. 171,816; Aug. 14; Serial No. 175,093; published May 15, 1923.

Thermometers. Wilder-Tyke Thermometer Company. 171,802; Aug. 14; Serial No. 176,702; published May 1, 1923.

Thermometers, Index. E. Kochn. 171,751; Aug. 14; Serial No. 164,057; published May 15, 1923.

CLASS 28.

Beads, Pearl. Barnard Hirsch Company. 171,927; Aug. 14.

Pearls, Artificial. Leys, Christie & Co. 171,795; Aug. 14; Serial No. 179,734; published May 29, 1923.

CLASS 31.

Refrigerators. Bohn Refrigerator Company. 171,945; Aug. 14.

CLASS 32.

Mirrors, Furniture. Kokomo Automotive Mfg. Co. 171,934; Aug. 14.

CLASS 35.

Gaskets and metal packing, Metallic. Metallo Gasket Co. 171,916; Aug. 14.

Piston rings. Edmunds, Sundberg & Winstone. 171,943; Aug. 14.

Piston rings. Super Seal Piston Ring Company. 171,966; Aug. 14.

Tire casings, Pneumatic rubber. H. B. Christian. 171,745; Aug. 14; Serial No. 166,934; published Mar. 13, 1923.

Tires and inner tubes, Pneumatic automobile. Jack Tire & Rubber Company. 171,899; Aug. 14.

Tires, Cord and fabric. McLean Tire and Rubber Company. 171,928; Aug. 14.

Tires, Nonmetallic. Badger Rubber Works. 171,731; Aug. 14; Serial No. 170,267; published Apr. 3, 1923.

CLASS 36.

Wind-instrument mouthpiece. W. H. Bickett. 171,961; Aug. 14.

CLASS 37.

Indexes, index cards, index-card cases, etc., Card. Index Visible, Inc. 171,963; Aug. 14.

Papers and mailing envelopes, Writing and printing. Whiting Paper Company. 171,947; Aug. 14.

Pencils, Pens, leads, and erasers. Ingersoll Redipoint Company. 171,955; Aug. 14.

CLASS 38.

Books and comic section in daily newspapers. Universal Feature and Specialty Company. 171,713; Aug. 14; Serial No. 150,833; published May 1, 1923.

Books, Series of. Little, Brown & Company. 171,773; Aug. 14; Serial No. 173,516; published May 8, 1923.

House organ published monthly. National Paving Brick Manufacturers Association. 171,817; Aug. 14; Serial No. 175,099; published May 8, 1923.

Magazine, Bimonthly. Marshall Field & Company. 171,744; Aug. 14; Serial No. 161,681; published May 1, 1923.

Magazine, Monthly. J. L. Caresky. 171,755; Aug. 14; Serial No. 162,918; published May 1, 1923.

Magazine, Monthly. Holding Committee for Educational and Philanthropic Work. 171,760; Aug. 14; Serial No. 161,315; published May 1, 1923.

Magazine, Monthly. Oklahoma Publishing Company. 171,818; Aug. 14; Serial No. 175,266; published May 8, 1923.

Magazine, Periodical monthly. Movie Home Journal Co. 171,855; Aug. 14; Serial No. 172,609; published May 1, 1923.

Magazine, Serial Monthly. V. J. Farley. 171,859; Aug. 14; Serial No. 174,564; published May 8, 1923.

Magazine, Weekly. Penton Publishing Company. 171,840; Aug. 14; Serial No. 171,281; published May 1, 1923.

Magazines and the like, Departments or sections of and articles in. R. H. Ranger. 171,741; Aug. 14; Serial No. 169,519; published May 1, 1923.

Newspaper and annual, High-school. Independent School District of Newton. 171,874; Aug. 14; Serial No. 173,833; published May 8, 1923.

Pictures or plot tinotypes, Colored. Wallace Nutting, Incorporated. 171,854; Aug. 14; Serial No. 170,831; published May 1, 1923.

Prints and publications. Palmer Photoplay Corporation. 171,738; Aug. 14; Serial No. 169,645; published May 22, 1923.

Publication, Monthly. R. R. Couch. 171,823; Aug. 14; Serial No. 175,544; published May 1, 1923.

Publication, Monthly. National Shoe Retailers Association of the United States of America Inc. 171,829; Aug. 14; Serial No. 175,806; published May 22, 1923.

Publication, Monthly. Skinner Machinery Company. 171,865; Aug. 14; Serial No. 174,493; published May 15, 1923.

Publication, Monthly. M. Wile & Co. 171,772; Aug. 14; Serial No. 173,547; published May 1, 1923.

Publication, Quarterly. Periodical Publishing Company. 171,807; Aug. 14; Serial No. 177,403; published May 22, 1923.

Publications, Periodical. Institute For Public Service. 171,767; Aug. 14; Serial 173,707; published May 8, 1923.

CLASS 39.

Apparel, Articles of men's and ladies'. I. Pachner & Son, Inc. 171,737; Aug. 14; Serial No. 169,737½; published May 22, 1923.

Aprons for icemen. United States Rubber Company. 171,848; Aug. 14; Serial No. 171,002; published May 15, 1923.

Blouses, Boys'. M. Finkelson. 171,780; Aug. 14; Serial No. 173,041; published May 22, 1923.

Boots and shoes. Ell Boot Shop Co. 171,768; Aug. 14; Serial No. 173,629; published May 8, 1923.

Boots and shoes. Whitman & Keith Co. 171,894; Aug. 14; Serial No. 171,974; published May 8, 1923.

Boots and shoes, Leather. Gale Shoe Manufacturing Co. 171,733; Aug. 14; Serial No. 170,061; published Jan. 30, 1923.

Camisoles, bloomers, chemises, etc. Laskin Brothers. 171,842; Aug. 14; Serial No. 171,223; published May 15, 1923.

Clothing, Men's outer. Frankel Bros. 171,889; Aug. 14; Serial No. 172,469; published May 22, 1923.

Clothing, Men's outer. B. Kuppenheimer & Co. 171,729; Aug. 14; Serial No. 170,587; published May 15, 1923.

Coats, Cloth and rain. Bay State Cloth Steaming Company. 171,913; Aug. 14.

Collars. Harry and Charles Cohen. 171,845; Aug. 14; Serial No. 171,151; published May 15, 1923.

Collars, Men's. C. Schwartz. 171,891; Aug. 14; Serial No. 172,359; published May 22, 1923.

Collars, nightdresses, skirts, kimonos, etc., Clerical. John F. McEvoy, Inc. 171,908; Aug. 14.

Dresses. Marvin Shaw and Co. 171,849; Aug. 14; Serial No. 170,995; published May 15, 1923.

Dresses. J. Ober. 171,746; Aug. 14; Serial No. 166,848; published May 22, 1923.

Dresses, Children's, girls', and women's. J. Ginsberg & Bros. 171,727; Aug. 14; Serial No. 170,636; published May 15, 1923.

Dresses, hats, coats, etc., Children's. F. Conried. 171,904; Aug. 14.

Dresses, Women's. L. Bamberger & Co. 171,730; Aug. 14; Serial No. 170,361; published May 22, 1923.

Dresses, Women's. J. Ginsberg & Bros. 171,883; Aug. 14; Serial No. 172,671; published May 22, 1923.

Fur coats, scarfs, muffs, chokers, and dolmans. Philipsborn's Inc. 171,847; Aug. 14; Serial No. 171,036; published May 15, 1923.

Garments, Boys' outer. J. J. Preis & Company. 171,885; Aug. 14; Serial No. 172,490; published May 22, 1923.

Gloves, Leather. Reynier & Cie. 171,719; Aug. 14; Serial No. 143,409; published May 22, 1923.

Hats. Hammell-Neuman Co. 171,750; Aug. 14; Serial No. 164,435; published May 15, 1923.

Hats. It an W Hat Shop, Inc. 171,866; Aug. 14; Serial No. 174,445; published May 8, 1923.

Hats and caps. Perfection Cap Company. 171,892; Aug. 14; Serial No. 172,349; published May 1, 1923.

Hats and caps. M. Rappaport. 171,838; Aug. 14; Serial No. 171,468; published May 8, 1923.

Hats and caps, Men's. Young Hat Company. 171,821; Aug. 14; Serial No. 175,375; published May 8, 1923.

Hose. D. J. Healy. 171,726; Aug. 14; Serial No. 170,648; published May 15, 1923.

Hosiery. American Wholesale Corporation (Baltimore Bargain House). 171,728; Aug. 14; Serial No. 170,613; published May 15, 1923.

Hosiery. Driefus, Eckstein & King, Inc. 171,782; Aug. 14; Serial No. 172,935; published May 22, 1923.

Hosiery. Idolite Hosiery Mills, Inc. 171,843; Aug. 14; Serial No. 171,218; published May 15, 1923.

Hosiery. E. D. Merikle. 171,882; Aug. 14; Serial No. 172,757; published May 22, 1923.

Hosiery. Noe-Equi Hosiery Mills, Inc. 171,725; Aug. 14; Serial No. 170,690; published May 15, 1923.

Hosiery. Pennsylvania Hosiery Mills. 171,762; Aug. 14; Serial No. 160,363; published Sept. 5, 1922.

Hosiery. Dr. A. Posner Shoes, Inc. 171,714; Aug. 14; Serial No. 149,772; published May 8, 1923.

Hosiery. Louis Stix Co. 171,712; Aug. 14; Serial No. 151,678; published Feb. 7, 1922.

Hosiery. A. Thompson Co. 171,785–6; Aug. 14; Serial Nos. 172,784–5; published May 22, 1923.

Hosiery. William Vernon's Sons & Co. 171,784; Aug. 14; Serial No. 172,788; published May 22, 1923.

Hosiery, knitted underwear, and sweaters. A. Thompson Co. 171,876; Aug. 14; Serial No. 172,783; published May 22, 1923.

Hosiery, knitted underwear, and sweaters. A. Thompson Co. 171,878–81; Aug. 14; Serial Nos. 172,779–82; published May 22, 1923.

Hosiery, Ladies'. Kajowill Mills. 171,779; Aug. 14; Serial No. 173,049; published May 22, 1923.

Hosiery, underwear, sweaters, etc. Colodzin & Edlman. 171,935; Aug. 14.

Knit underwear, Ladies'. California Underwear and Hosiery Mills. 171,739; Aug. 14; Serial No. 169,618; published May 8, 1923.

Overalls. Shull-Day Company. 171,900; Aug. 14.

Overalls, work shirts, coats, vests, and pants. A. C. Barrow & Company. 171,752; Aug. 14; Serial No. 163,966; published May 22, 1923.

Pants, vests, coats, work shirts, hiking breeches. M. Liberman. 171,852; Aug. 14; Serial No. 170,940; published May 15, 1923.

Shirts, Men's dress, negligee, and work. H. Trachtenberg. 171,732; Aug. 14; Serial No. 170,226; published May 22, 1923.

Shirts, Men's work. J. D. Silberstein & Sons, Inc. 171,906; Aug. 14.

Shirts, nightshirts, pyjamas, and boys' blouses. Phillips-Jones Corporation. 171,776; Aug. 14; Serial No. 173,145; published May 22, 1923.

Shirts, Work. Carter Dry Goods Co. 171,887; Aug. 14; Serial No. 172,511; published May 22, 1923.

Shoes. S. J. Brouwer Shoe Company. 171,715; Aug. 14; Serial No. 149,119; published Aug. 15, 1922.

Shoes. L. E. Grossman, Inc. 171,837; Aug. 14; Serial No. 171,637; published May 8, 1923.

Shoes. Melville Shoe Corporation. 171,770; Aug. 14; Serial No. 173,575; published May 8, 1923.

Skating sets, Boys'. R. H. Macy & Co. 171,783; Serial No. 172,844; Aug. 14; published May 23, 1923.

Stockings. Brooklyn Hosiery Mills, Inc. 171,740; Aug. 14; Serial No. 169,573; published May 22, 1923.

Suits, cloaks, overcoats, hats, caps, shoes, etc. Chas. V. Parker Co. 171,716; Aug. 14; Serial No. 148,549; published May 8, 1923.

Suits, dresses, coats, and men's coats, sweaters, etc., Ladies' and children's. Amherst Knitting Mills Inc. 171,909–10; Aug. 14.

Suits, knickerbockers, and topcoats, Boys', students', young men's, and men's. Lazarus, Goldberg & Friedman, Inc. 171,855; Aug. 14; Serial No. 170,775; published May 22, 1923.

Suits, overcoats, nightshirts, shirts, etc., Boys'. A. Letts. Serial No. 171,723; Aug. 14; Serial No. 111,114; published May 15, 1923.

Suits, overcoats, vests, trousers, Men's and boys'. S. & B. Summer Clothing Co. 171,844; Aug. 14; Serial No. 171,189; published May 15, 1923.

Sweaters, scarfs, knitted suits, dresses, etc. Gotham Knitting Mills. 171,775; Aug. 14; Serial No. 173,233; published May 22, 1923.

Trousers. Shull-Day Company. 171,901; Aug. 14.

Undergarments, Women's fitted. Warner Brothers Company. 171,872; Aug. 14; Serial No. 174,046; published May 8, 1923.

Waists and shirts, particularly underwaists, Children's. R. & J. Waist Company. 171,718; Aug. 14; Serial No. 144,429; published May 15, 1923.

CLASS 40.

Binding and trimming. Bias Narrow Fabric Co. 171,936; Aug. 14.

Hair-waving implements, Nonelastic iron heated. J. A. Hartvig. 171,757; Aug. 14; Serial No. 178,101; published May 29, 1923.

Tape and binding, Bias-fold. Marshall Field & Company. 171,937; Aug. 14.

CLASS 42.

Cotton piece goods. Weiner Brothers, Inc. 171,826; Aug. 14; Serial No. 175,583; published May 22, 1923.

Cotton piece goods, Bleached. Louis Stix Co. 171,789; Aug. 14; Serial No. 178,640; published May 22, 1923.

Cotton piece goods, Bleached. Louis Stix Co. 171,793–4; Aug. 14; Serial Nos. 178,637–8; published May 22, 1923.

Cotton, woolen, and silk piece goods and combinations thereof. James F. White & Co. 171,788; Aug. 14; Serial No. 178,648; published May 22, 1923.

Cottons in the piece, Brown. Louis Stix Co. 171,790; Aug. 14; Serial No. 178,639; published May 22, 1923.

Crêpes and silk goods in the piece and veilings. Louis Roessel & Co. 171,862; Aug. 14; Serial No. 174,529; published May 22, 1923.

Curtains and nets or curtain lace in piece goods, Lace. Quaker Lace Company. 171,902; Aug. 14.

Hair nets. B. Altman & Co. 171,792; Aug. 14; Serial No. 178,540; published May 22, 1923.

Hair nets. Western Bottle Manufacturing Company. 171,796; Aug. 14; Serial No. 176,142; published May 22, 1923.

Handkerchiefs. J. Klein. 171,806; Aug. 14; Serial No. 177,388; published May 22, 1923.

Lawns. Jones Brothers Limited. 171,970; Aug. 14.

Ribbons in the piece, Silk. Taylor-Friedsam Company. 171,825; Aug. 14; Serial No. 175,575; published May 22, 1923.

Robes, blankets, and goods in the piece, Auto. Portland Woolen Mills. 171,969; Aug. 14.

Serges, satins, and silks in the piece. Philipsborn's, Inc. 171,897; Aug. 14.

Silk, cotton, etc., piece goods and combinations thereof. Travis, Romaine & Jellé, Inc. 171,860; Aug. 14; Serial No. 174,544; published May 22, 1923.

Woolen cloths in the piece. S. S. Stein & Co. 171,938–9; Aug. 14.

CLASS 43.

Thread, Sewing. Barbour Flax Spinning Co. 171,898; Aug. 14.

CLASS 44.

Dental gum. Industrial Rubber Corporation. 171,964; Aug. 14.

Sanitary aprons, belts, and shields, hot-water bottles, etc. R. R. Hansen. 171,919; Aug. 14.

CLASS 45.

Beverage sold as a soft drink and sirup and concentrates for making same. Emerson Drug Co. 171,926; Aug. 14.
Beverages sold as a soft drink and sirup used for making same. Southern Fruit Julep Co. 171,921–5; Aug. 14.
Beverages sold as soft drinks and extracts and sirups for making same. Henry H. Ottens Mfg. Co. 171,958; Aug. 14.

CLASS 46.

Butter. Tub. Freedman Bros. 171,905; Aug. 14.
Candy. S. B. Goff & Sons Company. 171,781; Aug. 14; Serial No. 172,939; published May 22, 1923.
Candy. G. Kantes. 171,736; Aug. 14; Serial No. 169,764; published May 15, 1923.
Candy. Mer-Sho Candies. 171,756; Aug. 14; Serial No. 160,621; published June 5, 1923.
Candy. Palmer Candy Company. 171,962; Aug. 14.
Canned fruits. Kings County Packing Co. 171,915; Aug. 14.
Canned fruits and vegetables. Kings County Packing Co. 171,839; Aug. 14; Serial No. 171,327; published May 15, 1923.
Chocolates. London Chocolate Company. 171,722; Aug. 14; Serial No. 138,861; published May 22, 1923.
Chocolates and candies. Wallace & Co. 171,753; Aug. 14; Serial No. 163,489; published Jan. 9, 1923.
Cucumbers, Preserved. Peerless Food Products Co. 171,799; Aug. 14; Serial No. 176,362; published May 29, 1923.
Feed, Scratch, dairy, hog, horse, and mule. J. M. Wilson. 171,754; Aug. 14; Serial No. 163,301; published Mar. 27, 1923.
Fruits, Fresh citrous. La Habra Citrus Association. 171,932; Aug. 14.
Ice cream. Sheboygan Dairy Products Co. 171,912; Aug. 14.
Oil, Salad. Lebanon Oil Co. 171,761; Aug. 14; Serial No. 160,416; published May 15, 1923.
Oils, Edible. De Bruyn Limited. 171,742; Aug. 14; Serial No. 169,125; published May 8, 1923.
Sauce for meat and fish. C. I. Wood. 171,721; Aug. 14; Serial No. 139,240; published May 15, 1923.
Sugar, Powdered. Richardson & Holland, Inc. 171,758; Aug. 14; Serial No. 141,399; published May 29, 1923.
Tea. Jas. H. Forbes Tea & Coffee Co. 171,933; Aug. 14.

CLASS 50.

Tents, tent flies, tarpaulins, etc. Canvas Products Company. 171,907; Aug. 14.

ALPHABETICAL LIST OF LABELS.

J

Aldea. For Cigars, Cigarettes, and Tobacco. J. Epstein. 26,324; Aug. 14.
Buckeye Brand Apples. For Apples. Ohio Fruit Growers Cooperative Association. 26,331; Aug. 14.
Buckeye Brand Peaches. For Peaches. Ohio Fruit Growers Cooperative Association. 26,332; Aug. 14.
California Cantaloupe Confection. For a Confection Having Cantaloupes as Its Base or Main Ingredient. E. B. Hutchison. 26,326; Aug. 14.
It Takes 'Em Off, Dawes Ideal Corn Remover. For Corn Remover. J. C. Dawes. 26,322; Aug. 14.
Jap Rose. For Soap. James S. Kirk & Company. 26,328; Aug. 14.
Kellogg's Bran Cooked and Krumbled. For Cereal Breakfast Food. Kellogg Company. 26,327; Aug. 14.
Klansman Cigar. For Cigars. L. W. Dunn. 26,323; Aug. 14.
Knicker Boston Garter. For Cards Containing Men's Garters. George Frost Company. 26,325; Aug. 14.
Lionel Electric Toy Trains. For Electric Toy Trains. Lionel Corporation. 26,329; Aug. 14.
Moyer Bros. For Pretzels. Moyer Bros. 26,330; Aug. 14.
Red Mill. For Hosiery. Red Mill Hosiery Co. 26,333–4; Aug. 14.
"Rhopac" Piston Head Packing for Inside Packed Type Pumps. For Packing. Chicago Metallic Packing Co. 26,321; Aug. 14.
"Rhopac" Valve Stem Rod and Plunger Packing. For Packing. Chicago Metallic Packing Co. 26,320; Aug. 14.
The Ideal Tip Match. For Matches. W. E. Standley. 26,336; Aug. 14.
United States Blotting. For Blotting Paper. Standard Paper Manufacturing Co. 26,335; Aug. 14.
Yellow Cab Bar. For Candy Bars. Dr. Brown Candy Company. 26,319; Aug. 14.

ALPHABETICAL LIST OF PRINTS.

Are you buying your medicine cabinet requisites "in the dark?" For Drugs. E. R. Squibb & Sons. 6,872; Aug. 14.
For Baby's Comfort. For A Baby Comfort Kit. Miller Rubber Company. 6,865; Aug. 14.
For Baby's Bath. For a Rubber Sponge. Miller Rubber Company. 6,866; Aug. 14.
Keeps the Clothes Dry. For A Nursery Apron. Miller Rubber Company. 6,863; Aug. 14.
Miller Baby Week. For Nipple Applicator and Breast Nipples. Miller Rubber Company. 6,864; Aug. 14.
Mothers give Father John's Medicine. For Father John's Medicine. Carleton & Hovey Company. 6,857; Aug. 14.
Nestlé's Every Day Milk. For Evaporated Milk. Nestlé's Food Company. 6,868; Aug. 14.
No More Spilt Milk. For a Nipple Applicator. Miller Rubber Company. 6,862; Aug. 14.
Nothing Comes Out. For Baby Pants. Miller Rubber Company. 6,867; Aug. 14.
Prattlow Products Please Particular People. For Canned Fruits and Vegetables. Pratt-Low Preserving Co. 6,869; Aug. 14.
Show Girl. For Cigars. Haas Bros. 6,858; Aug. 14.
The choice of a million American housewives. For Fruits and Vegetables. King's Food Products Company. 6,861; Aug. 14.
The Fabric's The Thing. For Woolen and Worsted Piece Goods for Men's Wear Only. Cyril Johnson Woolen Co. 6,860; Aug. 14.
The Importance of One Short Word! For Drugs. E. R. Squibb & Sons. 6,870; Aug. 14.
The story time will tell. For Cold Cream. E. R. Squibb & Sons. 6,871; Aug. 14.
The suit that changed bathing to swimming. For Swimming Suit. Jantzen Knitting Mills. 6,859; Aug. 14.

CLASSIFIED LIST OF TRADE-MARK TITLES.

PUBLISHED FOR OPPOSITION.

[Act of Feb. 20, 1905, Sec. 6, as amended Mar. 2, 1907.]

CLASS 1.

Pitch, Hardwood. Rubber Service Laboratories Company. 171,471; Aug. 14.

CLASS 2.

Paper pails. Western Paper Box Company. 181,796–8; Aug. 14.

CLASS 3.

Hand bags, Children's. Herz & Kory. 177,557; Aug. 14.

CLASS 5.

Glue substitute. Flexum Products Company. 177,600; Aug. 14.

CLASS 6.

Aldehydes and amines, Compound produced by the interaction of. Rubber Service Laboratories Co. 177,624; Aug. 14.
Antiseptic and deodorizer. Dairy Laboratories. 177,898; Aug. 14.
Antiseptic and germicide. E. E. Limbaugh. 175,563; Aug. 14.
Antitoxic foods, paraffin tablets and oil, etc. Battle Creek Food Company. 175,060; Aug. 14.
Beauty paste and hair tonic. A. H. Thompson. 173,219; Aug. 14.
Blood-cleaning liquid. J. Orosz. 179,011; Aug. 14.

PUBLISHED FOR OPPOSITION.

[Act of Feb. 20, 1905, Sec. 6, as amended Mar. 2, 1907.]

Carbohydrates and chemicals. Su-Dex Wood Curing Company. 164,608; Aug. 14.
Chemical preparations for cleaning closet bowls. J. S. Huff. 178,846; Aug. 14.
Chemical preparation for coloring hair. E-Nam-O Mfgrs. 180,795; Aug. 14.
Chemical products used in dyeing. Chemische Fabrik Grünau Landshoff & Meyer Aktiengesellschaft. 180,327; Aug. 14.
Colors for dyeing. Wilhelm Brauns, Gesellschaft mit beschränkter Haftung. 174,160–1; Aug. 14.
Cough sirup. W. Miller. 180,768; Aug. 14.
Cream, Fat-reducing. Dainty-Form Company. 180,791; Aug. 14.
Creams, powders, rouges, etc., Face and other. Union Pharmacal Co apany. 177,414; Aug. 14.
Deodorizing fluid. Selig Company. 180,393; Aug. 14.
Disinfectant. Selig Company. 180,394–6; Aug. 14.
Disinfectants Insecticides, and deodorants. Chemical enterprises Incorporated. 179,133; Aug. 14.
Dyes and dye sticks. Kohn and Silverberg. 179,208; Aug. 14.
Germicide and laxative, Intestinal. J. N. Raymond. 180,890; Aug. 14.
Hair tonic. W. J. Burns. 180,416; Aug. 14.
Hair tonic. Marvelette Company. 179,945; Aug. 14.
Hair tonic. I. Selkow. 179,227; Aug. 14.
Hair tonic and shampoo. Five-In-One Manufacturing Co. 178,698; Aug. 14.
Hair tonic and skin lotion. P. Saluzzi. 176,765; Aug. 14.
Hydrophosphites, Preparation of. Fellows Medical Manufacturing Company. 177,836; Aug. 14.
Insect-destroying compound. E. F. Lilly. 179,048; Aug. 14.
Insecticide. Southern Specialty Company. 180,902; Aug. 14.
Laxative. W. G. Huffman, jr. 177,741; Aug. 14.
Liniments and pills. J. F. Kobylanski. 176,838; Aug. 14.
Liquids and ointments. R. H. Wojciechowski. 179,123; Aug. 14.
Liver regulator and tonic. D. J. Gunter. 177,297; Aug. 14.
Lotions, face creams, and hair pomades. Cannon Toilet Manufacturing Co. 178,330; Aug. 14.
Medicinal liquid for lungs and kidney, etc. J. Vajda. 178,886; Aug. 14.
Medicinal preparation. W. H. Peters. 180,722; Aug. 14.
Medicine for the treatment of influenza, etc. E. A. Secoy. 178,875; Aug. 14.
Medicine for treatment of tuberculosis of the bone, etc. F. B. Odor. 178,864; Aug. 14.
Medicine used in the treatment of rickets, etc. R. W. McRoberts. 180,874; Aug. 14.
Nicotine sulphate, free nicotine, and tobacco extracts. American Nicotine Company. 162,096; Aug. 14.
Oil, acne and bleaching lotions, lemon cream, etc., Muscle. De Guile Laboratories, Inc. 167,841; Aug. 14.
Oils for hemorrhoids, cuts, bruises, etc., Vegetable. C. G. Harris, jr. 160,707; Aug. 14.
Oily preparation for producing permanent waves in the human hair. Gem-Air Permanent Wave Co. 168,603; Aug. 14.
Ointment for chest colds, head colds, influenza, etc. Import Drug Specialties Co. 178,848; Aug. 14.
Ointment, liniment, and cough sirup. F. P. Wojciehowski. 181,328; Aug. 14.
Peptone and iodine, Solution containing. E. Galbrun. 180,855; Aug. 14.
Perfume extract, talcum powder, cold cream, etc. American Witch Hazel Supply Co. 178,701; Aug. 14.
Perfume, toilet water, face powder, etc. Houbigant, Inc. 176,025; Aug. 14.
Perfumes. De Cameron, Inc. 178,961; Aug. 14.
Perfumes. Le Benart Import Company. 180,017; Aug. 14.
Perfumes, toilet water, face, compact, sachet, and talcum powders, etc. Coty, Inc. 180,104; Aug. 14.
Perfumery and hair oil. Anglo Indian Drug & Chemical Co. 166,869; Aug. 14.
Petroleum emulsion. F. W. Bell. 175,334; Aug. 14.
Pharmaceutical preparations. H. Dunwoody. 174,959; Aug. 14.
Photographic developer. Johnson & Sons. 166,834–5; Aug. 14.
Pills. P. Ouillette. 179,675; Aug. 14.
Powder, cold cream, eau de cologne, etc., Toilet. Société Anonyme des Laboratoires Innoxa. 181,353; Aug. 14.
Powder, massage cream, vanishing cream, etc., foot-relief. Albeco Company. 176,309; Aug. 14.
Powders, Talcum. Buddy Brooks, Inc. 162,375; Aug. 14.
Preparation for a douche for vaginal disorders. Vincent Drug Company. 164,281; Aug. 14.
Preparation for an ointment for corns, etc., liniment, and foot lotion. G. L. Stowell. 166,793; Aug. 14.
Preparation for asthmatic paroxysms, hay asthma or nose cold, and bronchitis. L. Schuman. 180,194; Aug. 14.
Preparation for the treatment of catarrh. N. Lemoine. 176,084; Aug. 14.
Preparation for the treatment of itching and diseased scalps, etc. H. R. Lovell & Co. 177,308; Aug. 14.
Preparation for the treatment of piles, Medicinal. N. Lemoine. 176,083; Aug. 14.
Preparation for the treatment of the scalp. Jules Ferond Co. 169,581; Aug. 14.
Preparation for treatment of fistula. Keetle and Keetle. 179,604; Aug. 14.
Preparation for treatment of influenza. J. G. Mills. 180,339; Aug. 14.
Preparation for treatment of kidney and blood diseases. Festina Bros. 180,796; Aug. 14.
Preparation for use in the treatment of tuberculosis, asthma, etc. J. D. McCandless. 180,873; Aug. 14.
Preparation used for the treatment of goiter and as a prophylactic. Merck & Co. 180,076; Aug. 14.
Remedy, Sore-throat. J. Holland. 179,407; Aug. 14.
Skin lotion. Salvaderm Co. 178,934; Aug. 14.
Suppositories, Female. A. C. Schmidt. 177,698; Aug. 14.
Synthetic petrolatum and petroleum jelly. Sherwood Petroleum Company. 179,063; Aug. 14.
Tablets for the treatment of colds, la grippe, and headache. J. T. Baltar. 179,258; Aug. 14.
Water, Battery. Bethel Springs Water Co. 180,744; Aug. 14.
Water softener. Bowker Chemical Company. 178,706; Aug. 14.
Windows. Powder to eliminate sun glare from. A. J. Lodder. 178,561; Aug. 14.
Zinc-chloride antiseptic and deodorant for gums, sore throat, etc. R. E. Taylor. 180,907; Aug. 14.

CLASS 9.

Matches. Diamond Match Company. 178,914; Aug. 14.
Matches. Osakeyhtio Savo, Ltd. 171,864; Aug. 14.

CLASS 12.

Metal rods, etc., for reenforcing concrete, metallic lathing and studding, etc. Corrugated Bar Company. 148,647; Aug. 14.
Shingles, siding, and finishing lumber. Vancouver Cedar Mills, Limited. 169,515; Aug. 14.

CLASS 13.

Casters. Grennan Cake Corporation. 181,593; Aug. 14.
Door stops. J. R. Emery. 180,794; Aug. 14.
Fenceposts, Metal. American Steel and Wire Company of New Jersey. 180,954; Aug. 14.
Nails. United Shoe Machinery Corporation. 182,024; Aug. 14.
Screens, Window and door wire. Hipolito Screen & Sash Co. 180,764; Aug. 14.
Tire-chain fasteners. Columbus McKinnon Chain Company. 181,673; Aug. 14.
Window supports, Casement-. Vincent Whitney Company. 180,091; Aug. 14. 1923.

CLASS 14.

Copper-alloy steel. Inland Steel Company. 169,856; Aug. 14.
Galvanizing. Diamond Expansion Bolt Co. 161,822; Aug. 14.
Steel, Tool. Detroit Alloy Steel Company. 166,554; Aug. 14.

CLASS 16.

Cleaner and polish. Smith Oil & Refining Company. 180,627; Aug. 14.
Floor dressing. N. S. Hillyard. 180,602; Aug. 14.
Paints, enamels, colors, etc. M. F. Keller. 137,528; Aug. 14.
Polish, Furniture and automobile. A. C. Boyd. 171,062; Aug. 14.

CLASS 19.

Automobile and refrigeration trucks and refrigeration railroad cars. I. C. Refrigeration Co. 180,476; Aug. 14.
Automobile bodies. Diamond Cab Sales Corporation. 179,993; Aug. 14.
Automobiles, Windshield visors for. Grigsby-Grunow-Hinds Co. 167,390–1; Aug. 14.
Bicycles and motor cycles and parts therefor, etc. Mannesmannröhren-Werke. 163,691; Aug. 14.
Cycles, motor cycles, automobiles, aeroplanes, carriages. Ariel Works Ltd. 137,252; Aug. 14.
Poles, Engine push. Mummert Lumber & Tie Co. 177,315; Aug. 14.
Radiator caps. Helmet Cap Company. 172,532; Aug. 14.
Taxicabs. Barley Motor Car Company. 177,349; Aug. 14.
Vehicles, motor coaches and busses, Self-propelled. Mitten Traylor Inc. 180,818; Aug. 14.

CLASS 20.

Oilcloth. Standard Textile Products Company. 181,500; Aug. 14.

PUBLISHED FOR OPPOSITION.

[Act of Feb. 20, 1905, Sec. 6, as amended Mar. 2, 1907.]

CLASS 23.

Chains for liquids, Conveyer. Société Anonyme des Elevateurs de Liquides "Chaine-Helice" Bessonnet-Favre. 180,305; Aug. 14.
Cranes. John F. Byers Machine Company. 151,823; Aug. 14.
Cranes mounted on motor trucks. Byers Machine Company. 175,068; Aug. 14.
Cranes or derricks. Moore Brothers. 180,077; Aug. 14.
Evaporators. Swenson Evaporator Company. 175,530; Aug. 14.
Fire-extinguishing apparatus. Foamite-Childs Corporation. 179,193; Aug. 14.
Gears. Timing Gears Corporation. 179,892; Aug. 14.
Gears and gear blanks. William Cramp & Sons Ship & Engine Building Co. 154,962; Aug. 14.
Grease and oil cups and lubricators. Keystone Lubricating Company. 179,005; Aug. 14.
Grinding and crushing machinery. Chemical Engineering Co. (Manchester) Ltd. 180,418; Aug. 14.
Internal-combustion motors and same for motor cycles, runabouts, etc. Motosacoche Société Anonyme. 180,340; Aug. 14.
Lift jack. Medina Manufacturing Co. 163,166; Aug. 14.
Razor blade-stropping holders. Kwik-Ege Stropper Co. 158,129; Aug. 14.
Razor blades during sharpening, Holders for. Parker Products, Inc. 180,027; Aug. 14.
Thrashing machines. Wood Brothers Thresher Company. 180,350; Aug. 14.
Vegetable-paring machines. Kools Manufacturing Company. 179,605; Aug. 14.

CLASS 25.

Banks, Portable savings. Automatic Recording Safe Co. 180,825–6; Aug. 14.

CLASS 26.

Distance between two objects, Apparatus for determining. Wireless Spitzescope Co. 179,290; Aug. 14.
Photographic paper, Sensitized. Haloid Company. 179,097; Aug. 14.
Picture films, Motion-. National Screen Service, Inc. 178,353; Aug. 14.
Pictures, Motion. C. B. C. Film Sales Corporation. 179,025; Aug. 14.
Rules, yardsticks, bevels, etc. Stanley Works. 179,433; Aug. 14.
Rules, wantage and gauging rods, etc. Stanley Works. 179,435; Aug. 14.
Scales, Weighing and coin-controlled. O. D. Jennings & Company. 181,077; Aug. 14.

CLASS 28.

Motors and internal-combustion engines, Diesel. Aktiengesellschaft für Tiefbohrtechnik und Maschinenbau vormals Trauzl & Co. 178,422; Aug. 14.

CLASS 32.

Cabinets, desks, stools, etc., Filing and other. Levey Printing Company. 173,507; Aug. 14.

CLASS 34.

Lamp shades. I. R. Carter. 175,543; Aug. 14.
Ovens for gas, gasoline, and oil stoves. American Stove Company. 174,729; Aug. 14.
Spark arresters. South Bend Spark Arrester Co. 167,900; Aug. 14.

CLASS 35.

Piston or packing rings. Unico Motor Products Corporation. 166,332; Aug. 14.
Tire casings, Automobile rubber-. Cord Tire Corporation. 181,635; Aug. 14.
Tires. Denman Myers Cord Tire Company. 181,252; Aug. 14.
Tires and automobile tubes and casings, Bicycle. Simmons Hardware Company. 169,259; Aug. 14.
Tires, inner tubes, linings, boots, and tire patches. Original Tire Co. 180,670; Aug. 14.

CLASS 37.

Books of blank forms. Brooks-Wilbor-Parsons Company. 123,328; Aug. 14.
Desk sets, pens, writing paper, etc. Gorham Manufacturing Company. 172,245; Aug. 14.
Files. W. E. Thayer Company. 157,781; Aug. 14.
Inkwell bases, sponge cups, desk pads, etc. L. D. Schroy Company. 180,725; Aug. 14.
Paper, paper napkins, towels, and tablecloths, Toilet. Fort Howard Paper Company. 180,757–8; Aug. 14.
Paper, Toilet. Interlake Tissue Mills Co. 178,043; Aug. 14.
Paper, Uncut cigarette. Robert Fletcher & Son Limited. 180,002; Aug. 14.
Paper, Writing. Fox River Paper Company. 181,688; Aug. 14.
Tablets, Writing. Bedsole-Colvin Drug Co. 181,510; Aug. 14.
Writing pads. R. Rothschild. 180,812; Aug. 14.

CLASS 39.

Bandeaux and brassières. Warner Brothers Company. 179,903; Aug. 14.
Brassières and garter brassières. Model Brassiere Co. 179,280; Aug. 14.
Caps. S. Schanzer. 180,031; Aug. 14.
Coats, cloaks, wraps, capes, etc. Amertex Mills, Inc. 160,852; Aug. 14.
Corsets, girdles, belts, etc. Trolaset Corset Co. 177,291; Aug. 14.
Corsets, ladies' underwear, etc. C. Munter. 174,701; Aug. 14.
Dresses, costumes, and gowns. Dickes, Block and Abbey. 176,538; Aug. 14.
Dresses for women. Tailored Woman, Inc. 177,148; Aug. 14.
Dresses, gowns, suits, wraps, and coats. Jenny Lee Frocks Inc. 180,378; Aug. 14.
Dresses, skirts, wraps, blouses. J. A. Migel, Inc. 180,485; Aug. 14.
Furs, Ladies'. Rosenberg Bros. 178,675; Aug. 14.
Gloves. Pincus & Otto. 164,001; Aug. 14.
Hats and Caps. Fashion Hat Company. 179,298; Aug. 14.
Hats, Ladies'. H. L. Distillator & Son. 179,785; Aug. 14.
Hosiery. Berendsen Silk Knitting Co. 179,618; Aug. 14.
Hosiery. Elizabeth City Hosiery Co. 176,888; Aug. 14.
Hosiery. F. V. Gutman Corp. 179,531; Aug. 14.
Neckties. Guest Neckwear Co. 159,461; Aug. 14.
Overcoats and suits. Fruhauf Bros. & Co. 176,736; Aug. 14.
Overcoats and suits, Men's. Wollner & Smith. 177,060; Aug. 14.
Overalls, work shirts, and combination work suits. Hauser Garrison Dry Goods Co. 180,215; Aug. 14.
Rainproof garments. New York Mackintosh Clothing Company. 179,420; Aug. 14.
Rubber boots, shoes, overshoes, and rubber-soled canvas shoes. Hood Rubber Company. 179,470; Aug. 14.
Shirts. Agra Shirt Co. 179,126; Aug. 14.
Shirts and pyjamas. Pine Tree Shirt Co. 176,034; Aug. 14.
Shirts, Men's. Milk & Kass. 177,449; Aug. 14
Shirts, neckwear, underwear, etc. Schuster Company. 149,779; Aug. 14.
Shirts, vests, pants, etc. Levi Strauss & Co. 179,563; Aug. 14.
Shirts, Women's. M. E. Smith & Co. 173,986; Aug. 14.
Shoes, Leather. International Shoe Company. 179,471; Aug. 14.
Suits, Athletic union. Catamount Manufacturing Co. 177,831; Aug. 14.
Suits, knickerbockers, coats, and caps for children, Combination outer. Zeno Company. 180,257; Aug. 14.
Sweaters, dresses, scarfs. William A. Leib Co. 176,744; Aug. 14.
Sweaters, rib sport coats, bathing suits, etc. James W. Brine Company. 178,708; Aug. 14.
Topcoats, raincoats, overcoats, and suits for men and boys. Alligator Oil Clothing Company. 172,853; Aug. 14.
Undergarments, Women's cotton. A. Gussow. 180,928–9; Aug. 14.
Undershirts, underdrawers, and union suits. Tryon Mills of Vermont. 177,930; Aug. 14.
Underwear and women's bloomers, Men's and women's. Charles E. Shedaker & Sons. 179,627; Aug. 14.
Underwear, brassières, bloomers, petticoats, etc. N. Wiener. 179,694; Aug. 14.
Underwear, sweaters, hosiery, caps, etc., Knitted. Frank & Company. 180,334; Aug. 14.
Underwear, Women's. Van Raalte Company. 179,020; Aug. 14.
Vests, bloomers, knickerbockers, etc. Vanity Fair Silk Mills. 167,109; Aug. 14.

CLASS 42.

Blankets, Cotton. Carolina Cotton & Woolen Mills Company. 181,243–4; Aug. 14.
Carpets, Wilton and plush. M. J. Whittall Associates. 167,065; Aug. 14.
Clothes, Face or wash. W. A. Schwalb. 180,813; Aug. 14.
Cotton fabrics in the piece, Woven. G. A. Stafford. 124,422; Aug. 14.
Cotton piece goods. Edwin E. Berliner & Co. 171,446; Aug. 14.
Cotton piece goods. Marshall Field & Company. 179,521; Aug. 14.
Cotton, silk, linen, etc., piece goods. Jacob Miller's Sons Co. 181,035; Aug. 14.
Handkerchiefs, Children's. Acheson Harden Co. 167,216; Aug. 14.
Ironing-board pads and covers, and washable mattress covers. Al-Lon Manufacturing Company. 180,646; Aug. 14.
Knitted piece goods. Vandewart Company Incorporated. 178,784; Aug. 14.
Linen piece goods. Thomas Young Inc. 181,231; Aug. 14.
Piece goods. Bradford Dyers' Association, Limited. 179,583; Aug. 14.

PUBLISHED FOR OPPOSITION.

[Act of Feb. 20, 1905, Sec. 6, as amended Mar. 2, 1907.]

Rugs and carpets, Textile. O. W. Richardson & Co. 168,552; Aug. 14.
Sateens, Imitation. Jacob S. Bernheimer & Bro. 179,087; Aug. 14.
Silk, Broad. J. A. Migel, Inc. 174,969; Aug. 14.
Silk piece goods. Golding Fabrics Corporation. 181,182; Aug. 14.
Worsted rep. Botany Worsted Mills. 181,334; Aug. 14.

CLASS 43.

Silk, Sewing. H. K. H. Silk Co. 181,594; Aug. 14.

CLASS 44.

Sanitary napkins and aprons. S. E. Frankfurt. 155,878; Aug. 14.

CLASS 46.

Bread. California Bakery Company. 153,076; Aug. 14.
Candies. M. Ringe. 154,570; Aug. 14.
Candies. Stephen F. Whitman & Son, Incorporated. 177,642; Aug. 14.
Candy. Frozen Fruit, Inc. 159,088; Aug. 14.
Candy. George Close Co. 170,563; Aug. 14.
Candy. D. Gambinossi. 176,265; Aug. 14.
Candy. W. T. Grant Company. 170,881; Aug. 14.
Candy. Hawley & Hoops. 177,971; Aug. 14.
Candy. Import Drug Specialties Co. 178,847; Aug. 14.
Candy. B. L. Johnson & Co. 177,975; Aug. 14.
Candy. E. H. Josselyn. 176,190; Aug. 14.
Candy. C. Leichtman. 175,932; Aug. 14.
Canned citrous fruit. Florida Citrus Exchange. 175,719; Aug. 14.
Canned fish, fruits, and vegetables. R. E. Cotter Co. 180,209; Aug. 14.
Canned fruits and vegetables. California Canneries Co. 178,221; Aug. 14.
Canned fruits and vegetables. El Monte Canning Co. 180,531; Aug. 14.
Canned goods, tea, coffee, etc. Fischer Brothers Company. 175,782; Aug. 14.
Canned grapefruit, fruit salad, pimentos, tunny, etc. Western Grocer Company. 176,235; Aug. 14.
Canned ripe olives and fish. Curtis Corporation. 171,305; Aug. 14.
Canned shrimp. Grand Lake & Gulf Shrimp Company. 156,740; Aug. 14.
Canned, smoked, dried, and salt fish. Charles F. Mattlage & Sons, Inc. 158,785; Aug. 14.
Canned vegetables. Ephraim Sanitary Canning Company. 168,674; Aug. 14.
Chili pepper and chili powder. California Aroma Co. 165,527; Aug. 14.
Chocolate and candies. H. R. Hoefler. 170,066; Aug. 14.
Chocolate, Prepared. Ever Ready Chocolate Co. 179,997; Aug. 14.
Chocolates and candies. H. R. Hoefler. 170,107; Aug. 14.
Coffee. Haas, Baruch & Co. 176,623; Aug. 14.
Coffee. B. V. Jean. 176,026; Aug. 14.
Coffee. Ohio Valley Coffee Co. 178,270; Aug. 14.
Coffee. Ridenour-Baker Grocery Company. 176,218; Aug. 14.
Coffee. Waples Platter Grocer Co. 179,500; Aug. 14.
Coffee. W. T. Woolfolk. 147,856; Aug. 14.
Coffee and tea. Berdan Company. 167,862; Aug. 14.
Cooked and canned food products. College Inn Food Products Co. 170,865; Aug. 14.
Flavoring extracts and Jellies, Food-. Garrett & Co. 172,644; Aug. 14.
Flour, Wheat. M. D. King Milling Company. 176,192–3; Aug. 14.
Flour, Wheat. Phoenix Flour Mill. 176,914; Aug. 14.
Flour, Wheat. George Urban Milling Company. 176,299; Aug. 14.
Fruit and grapefruit, Fresh citrous. W. P. Peyton Fruit Co. 177,863; Aug. 14.
Fruits, Fresh and deciduous. Orangevale Fruit Growers Exchange. 168,782; Aug. 14.
Fruits, Fresh citrous. Dade City Citrus Growers Association. 177,279; Aug. 14.
Ice Cream. Spokane Bakery Co. 177,054; Aug. 14.
Ice-cream cones. Cone Company of America. 158,819; Aug. 14.
Ice cream, flavored ice, ice-cream bricks, etc. Marchiony Brothers. 157,377; Aug. 14.
Ice-cream products, Coated. J. E. Zangmaster. 158,352; Aug. 14.
Jams. J. C. Forkner Fig Gardens, Incorporated. 171,071; Aug. 14.
Jellies, jams, preserves, marmalades, and pickles. C. E. Marvin. 176,198; Aug. 14.
Molasses. Wm. Wirt Wickes & Son. 176,930; Aug. 14.
Oil, Olive. H. Karlin. 175,497; Aug. 14.
Nut butter. Battle Creek Food Company. 175,057; Aug. 14.
Pastes, Alimentary. La Cie. C. H. Catelli, Limited. 166,348; Aug. 14.
Peanut butter. Kidd and Company. 177,304; Aug. 14.
Pickles and canned vegetables. American Pickle & Canning Company. 172,715; Aug. 14.
Pickles, Sweet. Fa-Mo Company. 167,592; Aug. 14.
Pork products, Smoked. Rohe & Brother. 171,708; Aug. 14.
Potato chips, macaroni, egg noodles, and spaghetti. A. Klein. 163,154; Aug. 14.
Poultry and eggs, Live. Estate of Charles J. Fisk. 176,020; Aug. 14.
Raisins and candy. California Associated Raisin Co. 157,758; Aug. 14.
Salads, salad dressings, pickles, etc. Barke-Berger Food Products Co. 175,182; Aug. 14.
Sirup and maple sugar, Table. Welden National Bank. 162,088; Aug. 14.
Tankage. E. Kahn's Sons Company. 176,191; Aug. 14.
Tea. Tao Tea Company. 171,292; Aug. 14.
Teas, coffees, and tea and coffee extracts and substitutes. Societe Anonyme Fabriques de Produits de Chimie Organique de Laire. 174,269; Aug. 14.
Vanilla materials, Artificial-. Morana, Incorporated. 178,766; Aug. 14.
Vegetable gums and sugars, Compound. Liquid Carbonic Company. 178,853; Aug. 14.
Vegetables, Fresh. Savannah Truckers Exchange. 176,219; Aug. 14.
Yeast aid in the baking of bread. Takamine Laboratory, Inc. 161,286; Aug. 14.
Yeast and vitamine food products. Northwestern Yeast Company. 164,658; Aug. 14.

CLASS 47.

Wine, Champagne. Societe Vinicole de Champagne. 165,211; Aug. 14.

CLASS 50.

Blankets, rubber sheetings, sheet rubber, etc., Offset. Vulcan Proofing Company. 180,156; Aug. 14.
Crutch, Vegetable. Frost Superior Fence Co. 179,143; Aug. 14.
Straws, Soda. New Jersey Paper Tube Company. 156,542; Aug. 14.
Towels, etc., Markers for. A. D. Rostow. 179,013; Aug. 14.

ALPHABETICAL LIST OF PATENTEES

TO WHOM

PATENTS WERE ISSUED ON THE 14TH DAY OF AUGUST, 1923.

NOTE.—Arranged in accordance with the first significant character or word of the name (in accordance with city and telephone directory practice). **Includes patents, reissues, and designs.**

Abbott, Charley, et al. (See Hull, Oliver L. and M. E., assignors.)
Ackerman, Edward H., Montclair, N. J. Wheel and tire construction. 1,465,201; Aug. 14.
Agasote Millboard Co., The. (See Sutherland, D. M., jr., assignor.)
Ahearn, Michael F. (See Nacey, H. M., and Ahearn.)
Aikman, Orville R., Salem, Ill. Stove. 1,465,202; Aug. 14.
Aktiebolaget Baltic. (See Risberg, Johannes V. M., assignor.)
Albo, Agostino, and V. Masellis, San Jose, Calif. Gauge. 1,464,839; Aug. 14.
Alexander, John R., New Albany, Ind., assignor of one-third to T. Alexander, Toledo, Ohio. Railway signaling mechanism. 1,464,797; Aug. 14.
Alexander, Thomas. (See Alexander, John R., assignor.)
Alexanderson, Ernst F. W., Schenectady, N. Y., assignor to General Electric Company. Unidirectional radio receiving system. 1,465,108; Aug. 14.
Allan, William G., assignor to The Toronto Power Company, Limited, Toronto, Ontario, Canada. Electrolytic cell structure. 1,464,689; Aug. 14.
Allan, William G., assignor to The Toronto Power Company, Limited, Toronto, Ontario, Canada. Electrolytic apparatus. 1,464,840; Aug. 14.
Allard, Pierre, Paris, France. Machine for the manufacture of pipe by the action of centrifugal force. 1,465,153; Aug. 14.
Allday, Clifford. (See Williams, Leslie E., assignor.)
Allis-Chalmers Company. (See Dahlstrand, Hans P., assignor.)
Allison, Walter B., assignor to Harvey Rim and Wheel Company, Inc., Buffalo, N. Y. Disk wheel structure. 1,464,917; Aug. 14.
Amadon, Charles S., assignor to The J. N. Lapointe Company, New London, Conn. Broaching apparatus. 1,465,203; Aug. 14.
American Bosch Magneto Corporation. (See Bosner, Adolph, assignor.)
American Dressler Tunnel Kilns, Inc. (See Irons, Gerald E., assignor.)
American Hard Rubber Co. (See Schelhammer, Herman, assignor.)
American Metal Cap Company. (See Hammer, Charles, assignor.)
American Optical Company. (See Dey, Gilbert S., assignor.)
American Sanitary Lock Co. (See Morgan, Donald C., assignor.)
American Stove Company. (See Meacham, Benjamin E., assignor.)
American Taximeter Company. (See Palmer, Brian C., assignor.)
American Telephone and Telegraph Company. (See Demarest, C. S., and Loynes, assignors.)
American Telephone and Telegraph Company. (See Espenschied, L., and Bown, assignors.)
American 3-Way Luxfer Prism Co. (See Sylvan, Joseph, assignor.)
Amsler, Walter O., Pittsburgh, Pa. Conveyer and leer-charging mechanism. 1,464,554; Aug. 14.
Anchor Cap and Closure Corporation. (See Ramsey, George, assignor.)
Anderson, Edward, Minneapolis, Minn. Grain separator. 1,464,491; Aug. 14.
Anderson, James, Wheeling, W. Va. Soot blower. 1,464,798; Aug. 14.
Anderson, Monroe, Pembroke, Ky. Powder sprayer. 1,464,799; Aug. 14.
Andres, Lorraine F., Cincinnati, Ohio. Film-transporting box. 1,465,204; Aug. 14.
Andrews, Benjamin, Houston, Tex. Apparatus for treating hydrocarbons. 1,464,918; Aug. 14.
Andrews, Dennis C., Cloquet, Minn. Wood chipper. 1,464,690; Aug. 14.
Ansco Company. (See Bornmann, Carl, assignor.)
Antisell, Frank L., Perth Amboy, N. J. Electrolytic deposition of copper. 1,465,034; Aug. 14.
Aptowicz, Leon, Brooklyn, N. Y. Ash sifter. 1,464,964; Aug. 14.
Armstrong, Robert F., La Cygne, Kans. Gopher gun. 1,464,861; Aug. 14.
Arnold, Albert A. (See Evers, A. J., and Sauvage, assignors.)
Arnold, Frank K. (See Sévigné, H. A., and Arnold.)
Atkinson, Truman L., assignor to Ludington Novelty Manufacturing Company, Ludington, Mich. Embroidery needle. 1,464,897; Aug. 14.
Atwood, Ernest O., assignor, by mesne assignments, of one-half to Atwood Gas Saver Company, and one-half to J. W. Mehargue, Boise, Idaho. Internal-combustion engine. 1,465,154; Aug. 14.
Atwood Gas Saver Company, et al. (See Atwood, Ernest O., assignor.)
Authier, Leopold, Rosemont, Quebec, Canada. Cabinet for talking machines or the like. 1,464,593; Aug. 14.
Automatic Electric Brake Company. (See Farmer, Robert Z., assignor.)
Autopoint Manufacturing Company. (See Roach, Jesse E., assignor.)
Baker, A. T., & Company. (See Sohn, John W., assignor.)
Baker, David S., Greenwich, Conn. Drying apparatus. 1,465,071; Aug. 14.
Baker, James L. (See Wright, F. J., and Baker.)
Balcerwicz, Julius G., assignor of one-half to K. H. Reynier, Grand Rapids, Mich. Interlocking chain links. 1,464,919; Aug. 14.
Balch, Alfred T., Brockton, and C. A. Wright, Whitman, assignors to L. M. Jackson, Brockton, Mass. Power press. 1,464,963; Aug. 14.
Balcom, Frederick J., Binghamton, N. Y., assignor to United Shoe Machinery Corporation, Paterson, N. J. Machine for operating upon heels. 1,464,555; Aug. 14.
Baldwin, Tuthill & Bolton. (See Tuthill, Victor M., assignor.)
Balke, Clarence W., Highland Park, assignor to Fansteel Products Company, Inc., North Chicago, Ill. Method and apparatus relating to the production of metals. 1,464,862; Aug. 14.
Bander, George T., et al. (See Stringer, Melvin, assignor.)
Barabas, Joseph, Rome, N. Y. Cooking utensil. 1,464,965; Aug. 14.
Barber Asphalt Company, The. (See Forrest, Charles N., assignor.)
Barrett Company, The. (See Downs, C. R., and Stupp, assignors.)
Barrett Company, The. (See Downs, Charles R., assignor.)
Barrett Company, The. (See Miller, S. P., and Hill, assignors.)
Barrett, William N., Meadville, Pa. Arch support. 1,464,841; Aug. 14.
Barry, Louis J. (See Macfarlane, S. B., and Barry.)
Barth, Fritz, Barmen-Rittershausen, Germany. Protective device for the jointed ends of bands. 1,464,800; Aug. 14.
Bartholomew, Bruce, Berkeley, Calif. Geometrical instrument. 1,464,633; Aug. 14.
Bassick Company, The. (See Johnson, John A., assignor.)
Bassick Manufacturing Company, The. (See Skelly, Bernard H., assignor.)
Bauer, William J., New York, F. O. Wierth, and A. S. Meadoff, Brooklyn, assignors to Queen Automatic Phonograph Co. Inc., New York, N. Y. Tone modulator for phonographs. 1,464,739; Aug. 14.
Bauret, René, assignor to La Societe: Usines Metallurgiques de la Basse-Loire, Paris, France, Siege Social. Production of basic steel. 1,464,634; Aug. 14.
Bayley, Guy L., Chappaqua, N. Y. Transmission. 1,464,691; Aug. 14.
Beale, James M., Peekskill, N. Y. Life guard for vehicles. 1,464,594; Aug. 14.
Beard, James, Pasadena, Calif. Liver-treating device. 1,464,898; Aug. 14.
Bears, Daniel S., assignor to the Firm Reliance Manufacturing Co., Providence, R. I. Belt buckle. 1,464,966; Aug. 14.
Beauregard, Victor, Boston, assignor of one-half to J. Hughes, Somerville, Mass. Egg lifter. 1,464,967; Aug. 14.
Beck, Arthur R., Ames, assignor of one-half to R. J. Beck, Sioux City, Iowa. Oil can. 1,464,556; Aug. 14.
Beck, Riley J. (See Beck, Arthur R., assignor.)
Beers, Louis G., assignor to New Jersey Wire Cloth Company, Trenton, N. J. Wire basket and post therefor. 1,464,801; Aug. 14.
Belden, Edward H., assignor, by mesne assignments, to The Willys-Overland Company, Toledo, Ohio. Brake-control mechanism. 1,464,920; Aug. 14.
Benjamin, Bert R., Oak Park, W. Webber, La Grange, and C. Pearson, Chicago, Ill., assignors to International Harvester Company. Motor binder. 1,464,740; Aug. 14.

Benjamin, Oscar P., assignor to Capitol Brass Works, Detroit, Mich. Combined sink bibb. Des. 62,864; Aug. 14.
Bennett, Ashley C., Minneapolis, Minn. Air cleaner. 1,464,741; Aug. 14.
Berard, Remi J., Woonsocket, R. I. Vaporizer for internal-combustion engines. 1,464,899; Aug. 14.
Berendsen, Henry A., Bangor, Pa. Folding stocking stretcher. 1,465,205; Aug. 14.
Berkowitz, Harry A., Wilkes-Barre, Pa. Ice scraper for rails. 1,464,921; Aug. 14.
Berlieu, John, St. Louis, Mo. Steering wheel for automobiles and the like. 1,464,635; Aug. 14.
Bertelson, Axel E., Chicago, Ill. Means for obtaining spherical relief in pictures. 1,464,636; Aug. 14.
Billings, Frank, and R. P. Greenleaf, Cleveland, Ohio; said Greenleaf assignor to said Billings. Loading machine. 1,464,742; Aug. 14.
Blair, Ethel L., Kansas City, Mo. Lantern. 1,464,743; Aug. 14.
Blake, Dennis B. D., Quincy, Ill. Shock absorber. 1,465,206; Aug. 14.
Bliss, Donald M. (See Sherman, H. B., and Bliss.)
Bock Bearing Company, The. (See Close, Lyman W., assignor.)
Bockshe, Ely, assignor to Modern Grinder Mfg. Co., Milwaukee, Wis. Grinder. 1,464,595; Aug. 14.
Boggs, Angus G., deceased, San Francisco, Calif.; M. H. Boggs, executrix. Water-heating apparatus. 1,465,109; Aug. 14.
Boggs, Atwood L., Brookline, Mass. Fish cooler and carrier. 1,465,110; Aug. 14.
Boggs, Mae H., executrix. (See Boggs, Angus G.)
Bohart, George S., Washington, D. C., assignor to G. H. Whittingham, trustee, Baltimore, Md. Dye and making same. 1,464,802; Aug. 14.
Bohart, George S., Washington, D. C., assignor to G. H. Whittingham, trustee, Baltimore, Md. Dyeing. 1,464,803; Aug. 14.
Bolin, John H. (See Rawson, Myron R., assignor.)
Bollman, Hermann, Hamburg, Germany. Obtaining lecithin from vegetable raw materials. 1,464,557; Aug. 14.
Boltshauser, Heinrich, Zurich, Switzerland. Steam-driven locomotive. 1,465,111; Aug. 14.
Bonheim, Frank M., St. Louis, Mo. Siphoning device. 1,465,207; Aug. 14.
Boorsem, John F., Greenwich, Conn. Protecting ceramic swimming-pool structures. 1,464,804; Aug. 14.
Booth, William N., Detroit, Mich. Forming vehicle wheels. 1,464,495; Aug. 14.
Bornmann, Carl, assignor to Ansco Company, Binghamton, N. Y. Film-spool carriage. 1,464,558; Aug. 14.
Boss Washing Machine Company, The. (See Dietz, William C. F., assignor.)
Bosselmann, Richard, Berlin, Germany. Pressure-regulating device for intermediate steam-withdrawal installations. 1,464,596; Aug. 14.
Bowe, Edward V., San Diego, Calif. Garment-supporting belt. 1,464,744; Aug. 14.
Bowers, Claude E., Los Angeles, Calif. Canopy for electric outlet boxes. 1,464,637; Aug. 14.
Bowes, John J., jr. (See Bronson, A. E., and Bowes.)
Bowman, Robert L., Knoxville, Tenn., and G. R. Penn, Washington, D. C., assignors to said Robert L. Bowman. Machine for making paper tubes. 1,464,968; Aug. 14.
Bown, Ralph. (See Espenschied, L., and Bown.)
Brack, Susannah W., Wichita Falls, Tex. Sink for kitchen cabinets. 1,464,638; Aug. 14.
Brady, Sanford C., Bartlesville, Okla. Pump. 1,464,639; Aug. 14.
Brady, Thomas, Bayonne, N. J. Conveyer apparatus. 1,465,155; Aug. 14.
Brainerd, Edward R., Los Angeles, Calif. Davenport. 1,464,900; Aug. 14.
Breck, George D., Cleveland, Ohio, L. W. Breck, and J. Schmauss, Buffalo, N. Y. Air brake. 1,464,640; Aug. 14.
Breck, Lawrence W. (See Breck, George D. and L. W., and Schmauss.)
Breen, Anna, Dyersburg, Tenn. Ice box. 1,464,641; Aug. 14.
Breitzke, Charles D., Madison, Wis. License-plate holder and illuminator. 1,464,969; Aug. 14.
Briney, Ottis R., Cleveland, Ohio. Locking means for guide bushings. 1,465,181; Aug. 14.
Briney, Ottis R., Pontiac, Mich. Guide bushing. 1,465,209; Aug. 14.
Briney, Ottis R., Pontiac, Mich. Guide bushing. 1,465,236; Aug. 14.
Britan, Harlan M., Ojus, Fla. Trap. 1,464,559; Aug. 14.
Bronnert, Emile, Mulhausen, France. Manufacture of artificial silk. 1,464,805; Aug. 15.
Bronson, Adelbert E., jr., Pensacola, Fla., and J. J. Bowes, Cleveland, Ohio. Closure member for liquid containers. 1,464,692; Aug. 14.
Brooks, Winfred M., South Orange, N. J. Sealing means. 1,465,072; Aug. 14.
Brown, John F., Phenix, R. I. Running-board footplate. 1,464,970; Aug. 14.
Brown, William F., assignor of one-half to J. L. Lyons, Little Rock, Ark. Thrashing machine. 1,464,863; Aug. 14.
Browning, John M., Ogden, Utah. Firearm. 1,464,864; Aug. 14.
Brubaker, William L., Enola, Pa. Multiple tapping machine. 1,465,112; Aug. 14.
Bruce, Olof L., Minneapolis, Minn. Manicuring device. 1,464,642; Aug. 14.
Brunhoff, Edward, Cincinnati, Ohio. Display and advertising apparatus. 1,464,597; Aug. 14.
Brunken, Henry, Brooklyn, N. Y. Cutting machine. 1,465,113; Aug. 14.
Brzozowski, Edward. (See Plochocki, Anthony, assignor.)
Bucher, John W., Denver, Colo. Filters. 1,465,156; Aug. 14.
Buckley, Lorenzo C., Lisbon, assignor to The R. Thomas & Sons Co., East Liverpool, Ohio. Apparatus for shaping insulators. 1,465,157; Aug. 14.
Budd Wheel Company. (See Fine, Lewis, assignor.)
Buller, Charles M., assignor to L. J. Mueller. Furnace-casing ring. 1,464,971; Aug. 14.
Burchess, Herman, New York, N. Y., assignor of one-half to H. Weingarten, Brooklyn, N. Y. Welt for suitcases or the like. 1,464,643; Aug. 14.
Burgan, Thomas, Plains Parsons, Pa. Artificial arm. 1,464,842; Aug. 14.
Burns, Charles E. (See Wickwire, J. W., and Burns.)
Busha, Leon, Minneapolis, Minn. Strip shingle. 1,464,492; Aug. 14.
Busha, Leon, Minneapolis, Minn. Strip shingle. 1,464,493; Aug. 14.
Busha, Leon, Minneapolis, Minn. Strip shingle. 1,464,494; Aug. 14.
Butler, George H. C. (See Reeves, Alfred, assignor.)
Cadwell, Charles A., assignor to The Electric Railway Improvement Company, Cleveland, Ohio. Electric furnace. 1,464,496; Aug. 14.
Calhoun, Asa S., Colquitt, Ga. Collapsible poultry crate. 1,465,114; Aug. 14.
Callaghan, Acheson H. (See Keegan, W. J., jr., Callaghan, and Moore.)
Campbell, Argyle, assignor to Enterprise Railway Equipment Co., Chicago, Ill. Tank-valve mechanism. 1,464,745; Aug. 14.
Campbell, Argyle, assignor to Enterprise Railway Equipment Company, Chicago, Ill. Dump-car construction and door-locking mechanism therefor. 1,464,746; Aug. 14.
Campbell, Colin J., Newark, N. J., assignor to The Standard Signal Corporation. Signaling apparatus. 1,464,806; 1,464,806; Aug. 14.
Campbell, Ernest P., Stockton, Calif. Bearing extractor. 1,464,693; Aug. 14.
Campbell, Harry E., New York, N. Y., assignor to Campbell Metal Window Corporation, Baltimore, Md. Window-sash booster. 1,464,694; Aug. 14.
Campbell Metal Window Corporation. (See Campbell, Harry E., assignor.)
Canda, Ferdinand M., New York, N. Y. Ball-rolling apparatus. 1,465,208; Aug. 14.
Capitol Brass Works. (See Benjamin, Oscar P., assignor.)
Carbonit-Aktiengesellschaft. (See Pape, Max C. A. H., assignor.)
Cardone, Paola. (See Fumagalli, G., Cardone, and Surico.)
Carnelli, Charles M., New York, N. Y. Gas soldering iron. 1,464,497; Aug. 14.
Carr Fastener Company. (See Carr, Fred S., assignor.)
Carr, Fred S., Newton, assignor to Carr Fastener Company, Cambridge, Mass. Fastener. 1,464,695; Aug. 14.
Carrier Engineering Corporation. (See Stacey, Alfred E., jr., assignor.)
Case, Arthur F., assignor to The Wellman-Seaver-Morgan Company, Cleveland, Ohio. Storage and reclaiming plant. 1,464,747; Aug. 14.
Chayes, Herman E. S., New York, N. Y. Removable denture. 1,464,644; Aug. 14.
Chemical Construction Company. (See Hechenbleikner, I., and Oliver, assignors.)
Chicago Flexible Shaft Company. (See Sjolin, Ernest, assignor.)
Clark, Arthur E., Roscoe, Mont. Face steam device. 1,464,645; Aug. 14.
Clark, George S., Bowling Green, Ky., assignor, by mesne assignments, to Clark Patent Tubing Co., Wheeling, W. Va. Blasting paper shell. 1,464,865; Aug. 14.
Clark, George S., Bowling Green, Ky., assignor, by mesne assignments, to Clark Patent Tubing Co., Wheeling, W. Va. Blasting shell. 1,464,866; Aug. 14.
Clark, Michael J., Homestead, Pa. Dental instrument. 1,464,807; Aug. 14.
Clark Patent Tubing Co. (See Clark, George S., assignor.)
Clarke, Louis A. (See Hiller, S., and Clarke.)
Classon, Raymond E., Radcliffe, Iowa. Hitch. 1,465,158; Aug. 14.
Claypoole, Albert, assignor to Willamette Iron and Steel Works, Portland, Oreg. Locomotive. 1,464,696; Aug. 14.
Clickner, Earle D. (See Russell, S. G., and Clickner.)
Close, Lyman W., assignor to The Bock Bearing Company, Toledo, Ohio. Vehicle. 1,464,922; Aug. 14.
Colby, Ora A., Larimer, Pa., assignor to Westinghouse Electric & Manufacturing Company. Thermal relay. 1,464,498; Aug. 14.

Colby, Ora A., Irwin, and T. A. Reid, Pittsburgh, Pa., assignors to Westinghouse Electric and Manufacturing Company. Electric-furnace resistor mounting. 1,464,499; Aug. 14.
Cole, Albert J., et al. (See Sloan, Peter J., assignor.)
Collins, John T., Kokomo, Ind. Heater. 1,464,560; Aug. 14.
Columbian Rope Company. (See Reber, James B., assignor.)
Combs, Charles T., et al. (See Combs, William J., assignor.)
Combs, William J., assignor of thirty per cent to W. J. McKone and thirty per cent to C. T. Combs, Otterbein, Ind. Signal for vehicles. 1,465,210; Aug. 14.
Como, Alma, Edgerly, La. Operating mechanism for harvesters. 1,464,808; Aug. 14.
Conner, Thomas W., Sabina, Ohio. Axle steering knuckle. 1,464,901; Aug. 14.
Connolly, Bartholomew, Boston, Mass. Animal trap. 1,464,697; Aug. 14.
Cook, Stanley S. (See Parsons, C. A., and Cook.)
Cook, Stanley S. (See Parsons, C. A., Cook, and Douglas.)
Cordery, Frank, Toledo, Ohio. Manufacture of building blocks and bricks. 1,465,115; Aug. 14.
Cordley, Henry G., Glen Ridge, N. J. Faucet. 1,464,561; Aug. 14.
Cordley, Henry G., Glen Ridge, N. J. Reciprocating-plug faucet. 1,464,562; Aug. 14.
Cornelius, Ernest H., et al. (See Guptill, Rodney G., assignor.)
Corona Typewriter Company Inc. (See Harmon, E. L., and Petermann, assignors.)
Coulson, Arthur M. (See Hall-Bullock, George, assignor.)
Crago, Felix H., Milltown, assignor of one-half to S. N. Stenson, Missoula, Mont. Animal trap. 1,464,748; Aug. 14.
Crawford, Charles S. (See Nelson, Adolph L., assignor.)
Crawford, James R., Clinton, S. C. Valve-actuating device. 1,465,035; Aug. 14.
Cresco Creamery Supply Co. (See Goldberger, Morris, assignor.)
Cribben & Sexton Company. (See Harter, Augustus F., assignor.)
Croquet, Marcel, Montigny-le-Tilleul, Belgium. Process and plant for sorting, washing, or classifying mixed materials of different specific gravities or volumes. 1,464,843; Aug. 14.
Cross, Clifford J., New York, N. Y. Stopper. 1,464,646; Aug. 14.
Curti, Ernesto, Milan, Italy. Pneumatic hammer. 1,464,809; Aug. 14.
Cutler-Hammer Mfg. Co., The. (See Hunter, Richard B., assignor.)
Cutler-Hammer Mfg. Co., The. (See Wade, Henry N., assignor.)
Dahlstrand, Hans P., Wauwatosa, assignor to Allis-Chalmers Company, Milwaukee, Wis. Governor. 1,464,749; Aug. 14.
Danaher, John W., assignor to The Standard Meter Company Limited, Toronto, Ontario, Canada. Gas meter. 1,464,972; Aug. 14.
Daniels, Lloyd C., Buffalo, assignor to National Aniline & Chemical Company, Inc., New York, N. Y. Production of vat dyestuffs. 1,464,598; Aug. 14.
Dargue, Algernon W., and F. L., Halifax, England. Drawing apparatus. 1,464,973; Aug. 14.
Dargue, Frederick L. (See Dargue, Algernon W., and F. L.)
"Date" Laboratoriums- und Industrie-Bedarf G. m. b. H. (See Unglaube, Herbert M. C., assignor.)
Davis, Benjamin F., Spur, Tex. Bit clamp. 1,464,750; Aug. 14.
Davis, Charles E., assignor to Goodman Manufacturing Co., Chicago, Ill. Apparatus for handling loose material. 1,464,521; Aug. 14.
Davis, Charles E., assignor to Goodman Manufacturing Company, Chicago, Ill. Apparatus for handling ore and the like. 1,464,522; Aug. 14.
Davis, Leonard D., Erie, Pa. Producing seamless internally-ribbed tubes. 1,465,073; Aug. 14.
Davis, Samuel S., Bloomfield, Mo. Demountable rim. 1,465,159; Aug. 14.
Dawer, Antonio, Philadelphia, Pa. Thief trap for automobiles. 1,464,751; Aug. 14.
Day, Albert V. T., Rye, N. Y., assignor to The Union Switch and Signal Company, Swissvale, Pa. Traffic-controlling system. Re15,671; Aug. 14.
Dayton Hardware Specialty Company, The. (See Hoehn, Edward A., assignor.)
Delany, James H., San Jose, Calif. Manufacture of heat-insulating articles. 1,464,698; Aug. 14.
De Laval Separator Company, The. (See Hapgood, Cyrus H., assignor.)
Dellinger, Abraham M., Lancaster, Pa. Feed mill. 1,465,074; Aug. 14.
De los Santos, Raul, Buenos Aires, Argentina. Composition for the manufacture of boxes, cases, and the like. 1,464,588; Aug. 14.
Demarest, Charles S., and O. H. Loynes, Woodridge, N. J., assignors to American Telephone and Telegraph Company. Repeater-control arrangement. 1,464,563; Aug. 14.
Denis, William E., New Haven, Conn. Repeating drip-pan alarm. 1,464,752; Aug. 14.
Dennis, William J., Chicago, Ill. Mop holder. 1,464,500; Aug. 14.
Denoyer-Geppert Co. (See Denoyer, Levinus P., assignor.)
Denoyer, Levinus P., assignor to Denoyer-Geppert Co., Chicago, Ill. Lecturer's chart. 1,464,753; Aug. 14.
Dewire, John A., assignor to Miller & Pardee, Inc., Chicago, Ill. Casting. 1,465,116; Aug. 14.
Dey, Gilbert S., assignor to American Optical Company, Southbridge, Mass. Grinder. 1,465,117; Aug. 14.
Di Carlo, Luigi, Lockport, N. Y. Rotary cutter. 1,465,075; Aug. 14.
Dickens, George W., Columbus, Ohio. Wedge. 1,464,974; Aug. 14.
Dickinson, Frederick S. (See Phelan, Eugene R., assignor.)
Diehl, Herman H., assignor to The West Virginia Rail Company, Huntington, W. Va. Track construction. 1,464,75; Aug. 14.
Diescher, Samuel E., Pittsburgh, Pa. Means for regulating water circulation in water-tube boilers. 1,465,118; Aug. 14.
Dietz, William C. F., Cincinnati, assignor to the Boss Washing Machine Company, Norwood, Ohio. Washing-machine agitator. 1,465,036; Aug. 14.
Dillingham, Frederick A., assignor to The Troy Sunshade Company, Troy, Ohio. Windshield. 1,464,754; Aug. 14.
Di Luchio, Michael M., Wilmington, Del. Game. 1,465,160; Aug. 14.
Ditson, Jesse, and M. S. Parkhill, Littleton, Colo., assignors to Ingersoll-Rand Company, Jersey City, N. J. Forging machine. 1,464,755; Aug. 14.
Dobberke, Roy O. (See Hayward, Enos F., assignor.)
Dobbins, Joseph M., Rutledge, Ga. Guard for milk pails. 1,465,119; Aug. 14.
Dochtermann, George T., Passaic, N. J. Spark plug. 1,464,923; Aug. 14.
Dolge, Karl A., Westport, Conn. Soap dispenser. 1,465,161; Aug. 14.
Domowicz, George, Wilkes-Barre, Pa. Gas extractor. 1,464,647; Aug. 14.
Douglas, Louis M. (See Parsons, C. A., Cook, and Douglas.)
Downs, Charles R., and C. G. Stupp, Cliffside, N. J., assignors to The Barrett Company. Apparatus for producing chemical reactions. 1,464,845; Aug. 14.
Downs, Charles R., Cliffside, N. J., assignor to The Barrett Company. Sublimation process. 1,464,844; Aug. 14.
Dratz-Traum Co. (See Traum, David, assignor.)
Drummond, William D., New York, N. Y. Saw guard. 1,464,924; Aug. 14.
Dudley, Edward F., Oak Park, assignor to Miehle Printing Press and Manufacturing Company, Chicago, Ill. Ink-distributing-drum-vibrating means. 1,464,925; Aug. 14.
Dueker, Carl, Cooper Township, Webster County, Iowa. Snapping mechanism for corn-husking machines. 1,464,564; Aug. 14.
Dumais, Paul T. C., Hull, Quebec, Canada. Fastener. 1,464,976; Aug. 14.
Duncan, Charles D., Chicago, Ill. Engine-crank-case lubricant supplying and governing device. 1,464,599; Aug. 14.
Duncan, Hugh M. (See Parsons, C. A., Peddle, and Duncan.)
Duncan, William R., Chicago, Ill. Stop for phonographs. 1,464,977; Aug. 14.
Dunham, William S., Sharpsville, Pa. Concrete form. 1,464,600; Aug. 14.
Dunkelberger, Milton S., assignor, by mesne assignments, to The Tiny Toter Manufacturing Company, Dayton, Ohio. Collapsible baby carriage. 1,465,211; Aug. 14.
Dunlap, William A., Pittsburgh, Pa. Shade holder. 1,464,699; Aug. 14.
Dunston, Wayne E. (See Girl, C., Dunston, and Utz.)
Duparquet, Huot & Moneuse Company. (See Fuller, Louis J., assignor.)
Dupont, Jean G., Chicago, Ill. Garment protector. 1,465,076; Aug. 14.
Duvall, George W., assignor to United States Broom Company, Davenport, Iowa. Combined broom pressing and nailing machine. 1,465,162; Aug. 14.
Eastword, Harry G., Brooklyn, N. Y. Automatic sprinkler alarm valve. 1,464,926; Aug. 14.
Eaton, Wyman, and F. H. Willcox, assignors to Freyn, Brassert & Company, Chicago, Ill. Gas-tight test rod. 1,464,738; Aug. 14.
Eckl, Edward, Los Angeles, Calif. Refrigerator. 1464,648; Aug. 14.
Edgerton Manufacturing Co., The. (See Ward, Albert F., assignor.)
Edson Manufacturing Corporation. (See Wickwire, J. W., and Burns, assignors.)
Edwards, Joseph E., Memphis, Tenn. Dredge bucket. 1,465,163; Aug. 14.
Eichenberger, Rudolf, Zurich, Switzerland. Device for producing permanent undulation. 1,464,867; Aug. 14.
Einfeldt, Emil, Davenport, Iowa. Wheel-driving mechanism. 1,464,978; Aug. 14.
Electric Hammer Company. (See Kollock, G. I., and Martin, assignors.)
Electric Railway Improvement Company, The. (See Cadwell, Charles A., assignor.)
Electron Corporation, The. (See Kerrigan, Edward L., assignor.)

Emoud, Joseph E., Windsor Mills, Quebec, Canada. Adjustable headlight and direction indicator for automobiles. 1,465,164; Aug. 14.
Engel, Karl, Arlington, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J. Molding apparatus. 1,464,501; Aug. 14.
Enterprise Railway Equipment Co. (See Campbell, Argyle, assignor.)
Erickson, A. C. (See Whittemore, Bennie, assignor.)
Erickson, Sanfred, et al. (See Sloan, Jeter J., assignor.)
Espenschied, Lloyd, Queens, N. Y., and R. Bown, East Orange, N. J., assignors to American Telephone and Telegraph Company. Call system for radiotelephony. 1,464,565; Aug. 14.
Essex Specialty Co., Inc. (See Gehrig, William F., assignor.)
Evans, George E., Waco, Tex. Cotton gin. 1,464,810; Aug. 14.
Evans, George E., Waco, Tex. Cotton gin. 1,464,811; Aug. 14.
Evans, John, Salt Lake City, Utah. Pin. 1,465,212; Aug. 14.
Evers, Arthur J., assignor to Evers-Sauvage Company, Chicago, Ill. Transmission-greasing appliance.
Evers, Arthur J., and H. J. Sauvage, Chicago, assignors to A. A. Arnold, Oak Park, Ill. Blank cutting and transporting mechanism. 1,464,649; Aug. 14. 1,464,502; Aug. 14.
Evers-Sauvage Company. (See Evers, Arthur J., assignor.)

Fair, Ralph E., assignor to Lucey Manufacturing Corporation of Tennessee, Chattanooga, Tenn. Shock-absorbing attachment for well casings. 1,465,120; Aug. 14.
Fairchild, Horatio J., Kalamazoo, Mich., assignor of one-half to W. D. Warner, Columbus, Ohio. Carburetor-control device. 1,464,601; Aug. 14.
Fansteel Products Company. (See Balke, Clarence W., assignor.)
Farmer, Clyde C., Edgewood, assignor to The Westinghouse Air Brake Company, Wilmerding, Pa. Plug-in switch device. 1,464,979; Aug. 14.
Farmer, Robert Z., assignor to Automatic Electric Brake Company, Roseburg, Oreg. Vehicle brake. 1,464,980; Aug. 14.
Feddern, Carl O., Germantown, Pa., assignor to Globe Ticket Company, Philadelphia, Pa. Ticket-issuing machine. 1,465,121; Aug. 14.
Federal Machine & Welder Company, The. (See Townsend, Arthur J., assignor.)
Feinberg, Sidney, New York, N. Y. Automobile mirror bracket and joint. 1,465,213; Aug. 14.
Feldkamp, Frederick A., Newark, N. J. Fuse cartridge. 1,464,902; Aug. 14.
Feldkamp, Frederick A., Newark, N. J. Electric fuse. 1,464,903; Aug. 14.
Feldman, Morris, Los Angeles, Calif. Clothes rack. 1,464,904; Aug. 14.
Fenton, John, Columbus, Ohio. Lady's boot. 1,464,981; Aug. 14.
Ferris, Henry L., assignor to Hunt, Helm, Ferris & Company, Harvard, Ill. Track hanger. 1,464,982; Aug. 14.
Feuser, Arthur C. (See Feuser, Conrad and A. C.)
Feuser, Conrad and A. C., Bloomfield, N. J.; said A. C. Feuser assignor to said Conrad Feuser. Radiator air valve. 1,464,756; Aug. 14.
Feust, Arthur, New York, N. Y. Triturating member. 1,464,700; Aug. 14.
Field, Willis E., Grand Rapids, Mich. Bowl connection for drinking fountains and the like. 1,464,927; Aug. 14.
Fielding, Philip H., South Norwalk, Conn. Timer cover. 1,464,757; Aug. 14.
Figley, Earl H. (See Phillips, G., and Hanlon, assignors.)
Fine, Lewis, assignor, by mesne assignments, to Budd Wheel Company, Philadelphia, Pa. Hub-cap-locking device. 1,464,812; Aug. 14.
Finley, Dozier, Oakland, assignor to The Paraffine Companies, Inc., San Francisco, Calif. Battery box. 1,464,868; Aug. 14.
Fleischmann, Charles R., Chicago, Ill. Paper holder. 1,464,983; Aug. 14.
Fleischmann Company, The. (See Hixson, Arthur W., assignor.)
Flemings, John A., Sharon, Mass., and E. B. Priebe, Wilkinsburg, Pa., assignors to B. F. Sturtevant Company, Hyde Park, Mass. Furnace. 1,465,037; Aug. 14.
Ford, Albert M., Geneva, assignor to The Geneva Metal Wheel Company, Cleveland, Ohio. Metal wheel. 1,464,566; Aug. 14.
Ford, M. J., Manufacturing Company. (See Stern, Joseph H., assignor.)
Forrest, Charles N., Rahway, N. J., assignor to The Barber Asphalt Company, Philadelphia, Pa. Bituminous emulsion. 1,464,928; Aug. 14.
Forsman, Stanton W., Los Angeles, Calif., assignor to The Paraffine Companies, Inc. Barrel construction. 1,464,869; Aug. 14.
Förster, Rudolf, assignor to Fried. Krupp Aktiengesellschaft, Essen-on-the-Ruhr, Germany. Apparatus for the finely-graduated regulation of a current strength. 1,465,214; Aug. 14.
Fort Dearborn Manufacturing Co. (See Mott, Carl W., assignor.)
Fortescue, Charles L., Pittsburgh, Pa., assignor to Westinghouse Electric & Manufacturing Company. Frequency changer. 1,464,503; Aug. 14.
Foss, Antonius, Christiania, and T. Mejdell, Skolen, near Christiania, assignors to Norsk Hydro-Elektrisk Kvaelstofaktieselskab, Christiania, Norway. Producing ammonium nitrate and aluminum hydroxide. 1,464,984; Aug. 14.
Fossa, Joseph, Danvers, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J. Edge-finishing machine. 1,464,504; Aug. 14.
Fossa, Joseph, Danvers, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J. Finishing the edges of sheet material. 1,464,650; Aug. 14.
Foster, John M., Fulton, N. Y. Powder box and puff. 1,464,758; Aug. 14.
Francis, Harry G., Rushville, Ind. Roller scraper bar for glue-spreading machines. 1,464,813; Aug. 14.
Francis, Jacob R., Flint, Mich. Thermostatic heat control for internal-combustion engines. 1,464,759; Aug. 14.
Frankois, Paul, Nanticoke, Pa. Photographic enlarging apparatus. 1,465,123; Aug. 14.
Frellinger, Edgar G., Fort Thomas, Ky. Barrel agitator. 1,464,701; Aug. 14.
French, Charley D. (See Ogren, William V., assignor.)
French, Gus, assignor to M. L. French, Dallas, Tex. Corn popper and peanut roaster. 1,464,567; Aug. 14.
French, Mary L. (See French, Gus, assignor.)
French, Rafeigh L., New York, N. Y. Signal device. 1,464,814; Aug. 14.
Freyn, Brassert & Company. (See Eaton, W., and Willcox, assignors.)
Frick, John, Philadelphia, Pa. Liquid-dispensing machine. 1,465,122; Aug. 14.
Fried. Krupp Aktiengesellschaft. (See Förster, Rudolf, assignor.)
Fried. Krupp Aktiengesellschaft, Germaniawerft. (See Regenbogen, C., and Oehler, assignors.)
Frome, Reinhard L., Sheboygan, Wis. Reenforced cheese box. 1,464,651; Aug. 14.
Fuller, Chauncey P., Belle Vernon, Pa. Rolling mill. 1,464,702; Aug. 14.
Fuller, Louis J., Brooklyn, assignor to Duparquet, Huot & Moneuse Company, New York, N. Y. Heating element. 1,464,703; Aug. 14.
Fumagalli, Giacomo, P. Cardone, and C. Surico, New York, N. Y. Wire-bending machine. 1,464,505; Aug. 14.
Funk, John W. (See Wilcox, F. E., and Funk.)

Gaebel, John L., Madisonville, Ky. Soap-dispensing device. 1,464,985; Aug. 14.
Gaj, John B., Detroit, Mich. Stove attachment. 1,464,986; Aug. 14.
Garcillán, Ciriaco, New York, N. Y. Lamp socket. 1,464,602; Aug. 14.
Gardner, Hiram E., jr., Concord, N. H. Bushing remover and replacer. 1,465,124; Aug. 14.
Gehrig, William F., Newark, assignor to Essex Specialty Co., Inc., Berkeley Heights, N. J. Machine element. 1,464,815; Aug. 14.
General Electric Company. (See Alexanderson, Ernst F. W., assignor.)
General Electric Company. (See Merrill, Wilbur L., assignor.)
General Electric Company. (See Prince, David C., assignor.)
General Electric Company. (See Richardson, Ernest L., assignor.)
General Fire Extinguisher Company. (See Loepsinger, Albert J., assignor.)
General Motors Research Corporation. (See Kettering, Charles F., assignor.)
Geneva Heater Company. (See Olson, Charles A., assignor.)
Geneva Metal Wheel Company, The. (See Ford, Albert M., assignor.)
Gerstenberger, Henry L. G., Roselle, N. J., assignor, by mesne assignments, to Standard Development Company. Bung. 1,464,523; Aug. 14.
Gil-Delgado, Vicente, Madrid, Spain. Resilient wheel. 1,465,125; Aug. 14.
Gilligan, George H., New Bedford, Mass., assignor to U. S. Ring Traveler Company. Ring traveler. 1,464,674; Aug. 14.
Gilligan, George H., New Bedford, Mass., assignor to U. S. Ring Traveler Company. Traveler for twister rings. 1,464,675; Aug. 14.
Gilmour, Alfred E. C., Wilkinsburg, Pa. Shock absorber. 1,464,524; Aug. 14.
Girl, Christian, and W. E. Dunston, Kalamazoo, and J. G. Utz, Detroit, Mich. Bumper. 1,464,603; Aug. 14.
Girr, Sophie F., Brooklyn, N. Y. Combination rag-doll nursing-bottle cover, protector, and heat preserver. 1,464,525; Aug. 14.
Glaze, Frederick E., Denver, Colo., assignor, by mesne assignments, to The Spangler Manufacturing Company. Self-cleaning spark plug. 1,465,038; Aug. 14.
Globe Ticket Company. (See Feddern, Carl O., assignor.)
Globe-Wernicke Company, The. (See Ringler, William A., assignor.)

Goldberger, Morris, assignor to Cresco Creamery Supply Co., Chicago, Ill. Motor-driven pasteurizer. 1,464,704; Aug. 14.
Goldich, Morris L. (See Levitt, Nathan V., assignor.)
Goldsmith, Berthold, assignor to The National Brass & Copper Company, Lisbon, Ohio. Rolling plate and like metal and blank therefor. 1,464,929; Aug. 14.
Goldstein, Albert S., assignor, by mesne assignments, to Rochester Binding & Coat Front Company, Rochester, N. Y. Buttonhole-cutting machine. 1,465,039; Aug. 14.
Goodman Manufacturing Co. (See Davis, Charles E., assignor.)
Goodridge, Gardner L., East Stanwood, Wash. Stanchion. 1,465,126; Aug. 14.
Goodyear Tire & Rubber Company, The. (See Trogner, Roland S., assignor.)
Goosmann, Justus C., Peoria, Ill. Heat-exchanging apparatus. 1,464,705; Aug. 14.
Gorman, Michael F., Binghamton, N. Y. Automatic flatiron lifter. 1,465,077; Aug. 14.
Gottschalk, Karl P., Dresden, assignor to H. Staler, Grunau, near Rosswein, Saxony, Germany. Apparatus for supplying color to vertical stamping rollers. 1,465,078; Aug. 14.
Government of the United States. (See Macfarlane, S. B., and Barry, assignors.)
Grace, John F., Kearney, N. J., assignor to Worthington Pump and Machinery Corporation. Distributor for cooling towers and the like. 1,464,816; Aug. 14.
Grafenstatt, Emil S., Los Angeles, Calif. Clutch pedal. 1,464,905; Aug. 14.
Grasselli Chemical Company, The. (See Howard, Henry, assignor.)
Green, Celia. (See Green, Jack, assignor.)
Green, Jack, assignor to C. Green, Brooklyn, N. Y. Holder for glasses and the like. 1,464,652; Aug. 14.
Greening, Herald B., Hamilton, Ontario, Canada. Wire lathing. 1,464,706; Aug. 14.
Greenleaf, Robert P. (See Billings, F., and Greenleaf.)
Griffith, Fredrick H., Johnstown, Pa. Hair crimper and curler. 1,465,127; Aug. 14.
Griscom, Alfred C. (See Wakelee, W. W., and Griscom.)
Groff, James S., Newport, R. I. Electrolytic process. 1,464,506; Aug. 14.
Gulley, Henri A., Easton, Pa., assignor to Ingersoll-Rand Company, Jersey City, N. J. Rotation for rock drills. 1,464,930; Aug. 14.
Gunn, Earl G., assignor to Packard Motor Car Company, Detroit, Mich. Hydrocarbon motor. 1,464,568; Aug. 14.
Guptill, Rodney G., assignor of one-half to E. H. Cornelius and one-tenth to W. M. McGee, Tulsa, Okla. Bearing material and making the same. 1,464,569; Aug. 14.
Gutman, Sylvester A., Flint, Mich. Producing lock handles. 1,464,526; Aug. 14.
Hadden, Thomas J., assignor of one-half to C. Hurd, Mount Carmel, Ill. Axle-truing machine. 1,464,760; Aug. 14.
Hage, Rudolf A., Gottenborg, Sweden. Riveting, chiseling, and rock-drilling hammer. 1,464,570; Aug. 14.
Hager, Albert R., Shanghai, China. Desk-pad file. 1,465,244; Aug. 14.
Haggard, Oliver L. F., and T. O. Rush, Gadsen, Ala. Tray. 1,464,987; Aug. 14.
Hall-Bullock, George, assignor to A. M. Coulson, London, England. Internal-combustion motor. 1,465,165; Aug. 14.
Hall, Charles C., Kalamazoo, Mich. Packing and making same. 1,464,604; Aug. 14.
Hall, Horace W., Newton Center, Mass. Wall for drums and the like made of multiply material making the same. 1,465,215; Aug. 14.
Hall, Robert F., Schenectady, N. Y. Locomotive. 1,464,931; Aug. 14.
Hallauer, Carl H., Los Angeles, Calif. Pump and pump piston. 1,464,653; Aug. 14.
Hamann, Charles, Port Chester, N. Y. Bottle washer. 1,464,870; Aug. 14.
Hammer, Charles, Queens, assignor to American Metal Cap Company, Brooklyn, N. Y. Liner-plate lug closure. 1,465,079; Aug. 14.
Haumett, Elbert A., Kansas City, Mo. Locating knocks in explosive engines. 1,464,817; Aug. 14.
Hand, Erle H., Stapleton, N. Y. Convertible cabinet for disk records and the like. 1,464,932; Aug. 14.
Hanlon, Patrick. (See Phillips, G., and Hanlon.)
Hansen, A. L., Mfg. Co. (See Hansen, Augie L., assignor.)
Hansen, Augie L., Evanston, assignor to A. L. Hansen Mfg. Co., Chicago, Ill. Lamp. 1,464,988; Aug. 14.
Hanson, Wilbart D., Grove City, Minn. Fishhook. 1,464,571; Aug. 14.
Hapgood, Cyrus H., Nutley, N. J., assignor to The De Laval Separator Company, New York, N. Y. Separating wax from mineral-oil lubricating stock. 1,464,707; Aug. 14.
Hardin, Homer F., Houlton, Oreg., assignor to Hardin Mfg. Company, Kalama, Wash. Brake-operating device. 1,464,761; Aug. 14.
Hardin Mfg. Company. (See Hardin, Homer F., assignor.)
Harmon, Edwin L., and O. Petermann, assignors to Corona Typewriter Company, Inc., Groton, N. Y. Typewriting machine. 1,464,818; Aug. 14.
Harper, George Huntley, Aberdeen, Scotland. Soldering tool. 1,464,933; Aug. 14.
Harrigan, Thomas M., Woodstock, Vt. Device for eliminating body capacity effects in radio instruments. 1,464,708; Aug. 14.
Harrington, Bertie S., Fort Worth, Tex. Measuring and filling machine. 1,464,676; Aug. 14.
Harris, Bertha A., Denair, Calif. Dairying appliance. 1,464,677; Aug. 14.
Harris, Henry, London, England. Apparatus for refining metals. 1,465,128; Aug. 14.
Harter, Augustus F., Oak Park, assignor to Cribben & Sexton Company, Chicago, Ill. Gas range. 1,464,572; Aug. 14.
Hartman, William H., assignor to Randall Control and Hydrometric Corporation, Los Angeles, Calif. Elevator-door-lock-control mechanism. 1,464,871; Aug. 14.
Hartsock, William P., Dayton, Ohio. Advertising device. Des. 62,865; Aug. 14.
Harvey Rim and Wheel Company. (See Allison, Walter B., assignor.)
Haugland, John, Clinton, Houston, Tex. Folding bed. 1,464,605; Aug. 14.
Hayes, Michael F., Boston, Mass. Automatic self-contained fire extinguisher. 1,465,129; Aug. 14.
Hayes, Stanley W., Richmond, Ind. Derail. 1,464,606; Aug. 14.
Hayes, Stanley W., Richmond, Ind. Derail. 1,464,607; Aug. 14.
Hayward, Enos F., Conover, assignor of one-half to R. O. Dobberke, Conover, Wis. Skin or hide stretcher. 1,464,762; Aug. 14.
Heathcote, Anna C., Chicago, Ill. Hair curler. 1,465,216; Aug. 14.
Hebrock, Richard G., Irvington, N. J. Metallic radiator thermometer. 1,464,678; Aug. 14.
Hechenbleikner, Ingenuin, and T. C. Oliver, Charlotte, N. C., assignors to Chemical Construction Company, New York, N. Y. Method and apparatus for producing sulphur compounds. 1,464,527; Aug. 14.
Heddle, Robert, and R. Qua, Nelson, British Columbia, Canada. Animal trap. 1,464,872; Aug. 14.
Heimann, Albert, New York, N. Y. Weighing and advertising machine. 1,464,846; Aug. 14.
Heimendinger, Henry, Lake Charles, La. Signal device for road crossings. 1,464,819; Aug. 14.
Heinrich, Ernst H., Chemnitz, Germany. Swinging nippers in flat combing machines. 1,464,820; Aug. 14.
Heise, George W., Elmhurst, and H. H. Thompson, Flushing, N. Y., assignors to Union Carbide & Carbon Research Laboratories, Inc. Flash light and battery therefor. 1,464,573; Aug. 14.
Helmond, William F., Hartford, Conn., assignor to Underwood Typewriter Company, New York, N. Y. Typewriting machine. 1,465,243; Aug. 14.
Hemleb, Martin, Elizabeth, N. J., assignor to The Singer Manufacturing Company. Motor-driven sewing machine. 1,464,528; Aug. 14.
Henderson, James B., Lee, England. Fire-control apparatus for naval guns. 1,464,608; Aug. 14.
Hendricks, Avery E., Meadow, Tex. Churn. 1,464,873; Aug. 14.
Hentschke, Paul, Los Angeles, Calif. Diesel engine. 1,464,906; Aug. 14.
Hernon, Lon, Honolulu, Hawaii. Automatic scissors. 1,465,130; Aug. 14.
Herreshoff, Alexander G., assignor to International Motor Company, New York, N. Y. Body for motor vehicle. 1,464,989; Aug. 14.
Herzog, Michael J., New York, N. Y. Pneumatic tire. 1,464,709; Aug. 14.
Heslar, James H., Muskogee, Okla. Automatic cut-off valve. 1,464,874; Aug. 14.
Heyd, Werner, Freilassing, Germany. Plaster lathing. 1,465,080; Aug. 14.
Hickey, John, Flushing, N. Y., and D. H. Schwartz, Holyoke, assignors to Holyoke Vacuum Sluice Company, Springfield, Mass. Sluice for paper-board machines. 1,465,217; Aug. 14.
Hill, Joseph B. (See Miller, S. P., and Hill.)
Hiller, Stanley, and L. A. Clarke, assignors to The Pacific By Products Company, San Jose, Calif. Producing charcoal and apparatus therefor. 1,465,131; Aug. 14.
Hills Brother Company, Inc., The. (See Stott, Alexander W., assignor.)
Hilwig, Edward, Clarks Green, Pa. Sawing machine. 1,464,679; Aug. 14.
Hixson, Arthur W., Leonia, N. J., assignor to The Fleischmann Company, New York, N. Y. Pretreating dried yeast to increase the baking strength. 1,464,710; Aug. 14.
Hoadley, Glenn C., Olathe, Colo. Scale-ticket filing cabinet. 1,464,934; Aug. 14.
Hoehn, Edward A., assignor to The Dayton Hardware Specialty Company, Dayton, Ohio. Residence mail box. 1,465,218; Aug. 14.
Hoffman, John, Sheboygan, Wis. Brick-cleaning machine. 1,465,132; Aug. 14.
Hoge, Edward C., Cincinnati, Ohio. Roof and floor construction. 1,464,711; Aug. 14.
Holcomb, Mollie W., Erie, Pa. Hand shield. 1,464,529; Aug. 14.
Holcomb, Mollie W., Erie, Pa. Stocking protector. 1,464,530; Aug. 14.

Holden, Frank, London, England. Electric machine. 1,465,081; Aug. 14.
Hollnagel, Theodore C., Milwaukee, Wis. Dumping vehicle. 1,464,935; Aug. 14.
Holt, Joseph W., Brooklyn, assignor to Union Paper Company, New York, N. Y. Paper-can-capping machine. 1,464,654; Aug. 14.
Holtvoigt, Henry B., Dayton, Ohio. Kite. 1,465,040; Aug. 14.
Holyoke Vacuum Sluice Company. (See Hickey, J., and Schwartz, assignors.)
Hopkinson, Harry. (See Reid, J., and Hopkinson.)
Horton, E., & Son Company, The. (See Pratt, Charles R., assignor.)
Horton Manufacturing Company, The. (See Thorpe, Samuel T., assignor.)
House, Henry A., jr., assignor to Wire Wheel Corporation of America, Buffalo, N. Y. Wheel. 1,465,247; Aug. 14.
Howard, Henry, assignor to The Grasselli Chemical Company, Cleveland, Ohio. Manufacture of sodium fluoride. 1,464,990; Aug. 14.
Howard, Henry, assignor to The Grasselli Chemical Company, Cleveland, Ohio. Making sodium fluoride. 1,464,991; Aug. 14.
Howell, Demetrius K., St. Louis, Mo. Typewriter attachment. 1,465,041; Aug. 14.
Howland, Ralph E. (See Utter, L. E., and Howland.)
Hruska, Anthony S., Detroit, Mich. Carbon holder for picture projectors. 1,465,042; Aug. 14.
Hryz, Michael, Braznell, Pa. Loom for hand weaving. 1,464,847; Aug. 14.
Hubbard, James C., and A. F. Winn, El Dorado, Kans.; said Winn assignor to said Hubbard. Card or placard holder. 1,465,219; Aug. 14.
Hubner, Milton H., assignor of one-half to G. W. Hubner, Aug. 14.
Hubner, George W. (See Hubner, Milton H., assignor.)
Hubner, Milton H., assignor of one-half to G. W. Hubner, Stockton, Calif. Box-car door. 1,464,936; Aug. 14.
Huether, John V., Brooklyn, N. Y. Fountain brush. 1,465,220; Aug. 14.
Hughes, Joshua. (See Beauregard, Victor, assignor.)
Hull, Marguerite E., et al. (See Hull, Oliver L., and M. E.)
Hull, Oliver L. and M. E., assignors of one-fourth to C. Abbott, Portland, Oreg., one-fourth to said Oliver L. Hull and one-half to said M. E. Hull. Combination tent, hammock, and packsack. 1,464,875; Aug. 14.
Hull, Oliver L., et al. (See Hull, Oliver L. and M. E., assignors.)
Humphrey, Alfred H., New York, N. Y. Gas heater. 1,464,609; Aug. 14.
Humphries, Ralph, Detroit, Mich. Tractor. 1,464,848; Aug. 14.
Hunt Brothers Packing Company. (See Macabee, Edward L., assignor.)
Hunt Brothers Packing Company. (See Staley, Homer C., assignor.)
Hunt, Helm, Ferris & Company. (See Ferris, Henry L., assignor.)
Hunter, George, New York, N. Y. Window-cleaning device. 1,465,237; Aug. 14.
Hunter, Richard B., assignor to The Cutler-Hammer Mfg. Co., Milwaukee, Wis. Motor controller. 1,464,712; Aug. 14.
Hurd, Clarence. (See Hadden, Thomas J., assignor.)
Hurst, Leonard E., and J. F. Miller, Detroit, Mich. Rail fastener. 1,464,937; Aug. 14.
Hydraulic Pressed Steel Company, The. (See Klaus, Fred R., assignor.)
Ingersoll-Rand Company. (See Diston, J., and Parkhill, assignors.)
Ingersoll-Rand Company. (See Guiley, Henri A., assignor.)
Ingersoll-Rand Company. (See Slater, Fred M., assignor.)
Ingram, Walter L., Montgomery, Ala. Automobile signal system. 1,464,531; Aug. 14.
International Harvester Company. (See Benjamin, B. R., Webber, and Pearson, assignors.)
International Motor Company. (See Herreshoff, Alexander G., assignor.)
International Harvester Company. (See Johnston, Edward A., assignor.)
International Harvester Company. (See Weber, William, assignor.)
Ireland, George B., assignor to Taylor Instrument Companies, Rochester, N. Y. Combined pressure-indicating and valve-operating mechanism. 1,464,907; Aug. 14.
Irons, Gerald E., Coraopolis, Pa., assignor to American Dressler Tunnel Kilns, Inc., New York, N. Y. Tunnel-kiln oil burner. 1,465,011; Aug. 14.
Isenberg, Rudolf A., San Francisco, Calif. Motor-vehicle testing device. 1,464,763; Aug. 14.
Isler, Edwin O. (See King, H. A., and Isler.)
Ivor, Barry, Chicago, Ill. Odorless oil-burning heating stove. 1,465,043; Aug. 14.
Ivory, James W., Philadelphia, Pa. Tooth separator. 1,464,632; Aug. 14.
Jackson, Linda M. (See Balch, A. T., and Wright, assignors.)
Jacob, Heinrich, assignor to the Firm Optische Anstalt C. P. Goerz Aktiengesellschaft, Friedenau, near Berlin, Germany. Sighting telescope with changeable magnifying power. 1,464,655; Aug. 14.
Jamison, Armel. (See Spencer, F. T., and Jamison.)
Jamison, Claude G. (See Spencer, F. T., and Jamison.)
Jefferies, Samuel L., Gaffney, S. C. Dental casting machine. 1,464,656; Aug. 14.
Jefferies, Samuel L., Gaffney, S. C. Dental casting machine. 1,464,657; Aug. 14.
Jensen, Niels C., Fort Dodge, Iowa. Wind-regulated shutter for windows. 1,464,764; Aug. 14.
Jewell Electrical Instrument Company. (See Simpson, Ray, assignor.)
Johnson, Gustaf A., Mankato, Minn. Collar holder. 1,464,858; Aug. 14.
Johnson, John A., Meriden, assignor to The Bassick Company, Bridgeport, Conn. Caster. 1,465,044; Aug. 14.
Johnston, Edward A., Chicago, Ill., assignor, by mesne assignments, to International Harvester Company. Carburetor. 1,464,713; Aug. 14.
Jonsson, Gustaf E., Halmstad, Sweden. Apparatus for preventing the bursting by freezing of radiators for motor cars and the like. 1,465,134; Aug. 14.
Jordan, Benjamin H., assignor to The Willys-Morrow Company, Elmira, N. Y. Gauging machine. 1,464,938; Aug. 14.
Jorgensen, Olav E., New York, N. Y. Single-acting engine. 1,464,821; Aug. 14.
Joy, Allan R., Portland, Oreg. Nut lock. 1,465,221; Aug. 14.
Junkers, Hugo, Dessau, Germany. Radiator. 1,464,765; Aug. 14.
Justus, Ora H., Parkersburg, W. Va. Purifier for gasoline systems. 1,464,822; Aug. 14.
Kammeyer, Charles T., Niagara Falls, N. Y. Galley bar and proof. 1,465,082; Aug. 14.
Karlen, Louis W., Des Moines, Iowa. Folder and fastener therefor. 1,464,766; Aug. 14.
Kearney, James R., Kansas City, Mo. Cable clamp. 1,464,940; Aug. 14.
Kearney, James R., Kansas City, Mo. Wire puller. 1,464,939; Aug. 14.
Keegan, William J., jr., Elmhurst, A. H. Callaghan, Brooklyn, and D. A. Moore, New York, N. Y. Tire carrier. 1,464,941; Aug. 14.
Keely, Norris C., Wilkes-Barre, Pa. Cartridge holder. 1,464,659; Aug. 14.
Kehr, Cyrus, Washington, D. C. Storage building. 1,465,135; Aug. 14.
Keil, Gustav R., assignor to Upton Machine Company, St. Joseph, Mich. Air gun. 1,464,610; Aug. 14.
Kemp, Nelson J., Batavia, N. Y. Apparatus for mixing and breaking up earth and fertilizer. 1,464,621; Aug. 14.
Kent, Arthur A., Ardmore, Pa. Engine-starting apparatus. 1,464,714; Aug. 14.
Kern, Maximilian H., Ridgewood, N. Y. Clock. 1,465,045; Aug. 14.
Kerns, Elmer E., Bradford, Pa. Automatic shut-off valve. 1,464,767; Aug. 14.
Kerrigan, Edward L., Arlington, Mass., assignor to The Electron Corporation, Boston, Mass. Washing machine. 1,464,611; Aug. 14.
Kettering, Charles F., assignor to General Motors Research Corporation, Dayton, Ohio. Steering-post lock. 1,464,908; Aug. 14.
Kimberlin, Winfield M., Los Angeles, Calif. Gas burner. 1,464,909; Aug. 14.
King, Edward F., Providence, R. I. Fabric and making the same. 1,464,715; Aug. 14.
King, Fred B., assignor, by mesne assignments, to The Willys-Overland Company, Toledo, Ohio. Crimping tool. 1,464,942; Aug. 14.
King, Herman A., Portland, and E. O. Isler, Hillsdale, Oreg., Pneumatic rubber blanket. 1,464,716; Aug. 14.
King, Isham E., Durham, N. C. Collapsible screen. 1,464,876; Aug. 14.
Kinsley, William S., Reading, Mass., assignor to The Russell Company, Boston, Mass. Apparatus, installation, and method for use in treating textile stock. 1,465,046; Aug. 14.
Kinsley, William S., Reading, Mass., assignor to The Russell Company, Boston, Mass. Cleaner for fibrous stock and method of cleaning fibrous stock. 1,465,047; Aug. 14.
Kinsley, William S., Reading, Mass., assignor to The Russell Company, Boston, Mass. Apparatus for and method of heading fibrous textile stock. 1,465,048; Aug. 14.
Kinsley, William S., Reading, Mass., assignor to The Russell Company, Boston, Mass. Conveyer for textile stock. 1,465,049; Aug. 14.
Kinsley, William S., Reading, assignor to The Russell Company, Boston, Mass. Mixing and cleansing apparatus for textile stock. 1,465,050; Aug. 14.
Kirk, John C., San Francisco, Calif. Dispensing device. 1,464,877; Aug. 14.
Kirschbraun, Lester, Evanston, Ill. Coated waterproof sheeting. 1,464,717; Aug. 14.
Kirton, Richard G., Perth, Western Australia, Australia. Making concrete structures. 1,465,222; Aug. 14.
Kisbell, Michael A., Dickson, Pa. Paper-hanging machine. 1,464,992; Aug. 14.

Klaus, Fred R., assignor to The Hydraulic Pressed Steel Company, Cleveland, Ohio. Rim-connecting hook. 1,464,823; Aug. 14.
Klein, Arthur, Poughkeepsie, N. Y. Car lock. 1,465,136; Aug. 14.
Klemme, John L., Albert Lea, Minn. Trip-recording compass for aeroplanes. 1,464,943; Aug. 14.
Kline, William D. (See Ross, Charles R., assignor.)
Knoebel, Herman, Chicago, Ill. Vehicle spring support. 1,465,083; Aug. 14.
Kobbe, Edward, Brooklyn, N. Y. Handband or protector for baseball players. 1,465,223; Aug. 14.
Kohler, Ernest, Denver Colo., assignor to The United Mines and Manufacturing Company. Gyratory roundabout. 1,465,012; Aug. 14.
Kollock, George L., and R. P. Martin, assignors to Electric Hammer Company, Seattle, Wash. Electric hammer. 1,464,824; Aug. 14.
Krause, Anton, Cleveland, Ohio. Attachment for liquid containers. 1,465,013; Aug. 14.
Kruse, Herman, Jersey City, N. J., and W. C. Kruse, Union, N. J. Ink. 1,464,944; Aug. 14.
Kruse, William C. (See Kruse, Herman, and W. C.)
Kugler, Benjamin, Chicago, Ill. Drilled base anchorage for window-cleaners' harness. 1,464,825; Aug. 14.
Kuklinski, Joseph F., Milwaukee, Wis. Cabinet. Des. 62,867; Aug. 14.
Landaw, Oak, Nappanee, Ind. Metal-table-top stretcher. 1,464,910; Aug. 14.
Langelier, Wilfred F., Berkeley, Calif. Water purification. 1,465,137; Aug. 14.
Lantz, Joseph E., Chicago, Ill. Automatic shield for circular saws. 1,465,224; Aug. 14.
Lapointe, J. N., Company, The. (See Amadon, Charles S., assignor.)
Larson, Emil, Chicago, Ill. Ruling-machine guide. 1,464,945; Aug. 14.
Lassen, Harry O., Seattle, Wash. Pneumatic suspension for vehicle bodies. 1,464,680; Aug. 14.
La Societe: Usines Metallurgiques de la Basse-Loire. (See Bauret, René, assignor.)
Lawson, Gottfrid C., Cleveland, Ohio. Pipe wrench. Re15,674; Aug. 14.
Lawson, Sidney C., Deer Lodge, Mont. Tractor saw attachment. 1,464,878; Aug. 14.
Layng, Harai R., deceased, San Francisco, Calif.; H. F. Layng, administratrix. Wet chloridizing volatilization process. 1,465,138; Aug. 14.
Layng, Hattie F., administratrix. (See Layng, Harai R.)
Leach, James M., Smithton, Pa. Shipping case. 1,465,225; Aug. 14.
Leber, George J. (See Smith, O. A., and Leber.)
Lederer, Anton, Vienna, Austria, assignor to Westinghouse Lamp Company. Electric incandescent lamp. 1,464,826; Aug. 14.
Lees-Bradner Company, The. (See Schurr, Charles H., assignor.)
Leland, George H., Dayton, Ohio. Electric motor. 1,464,911; Aug. 14.
Lemm, Leo, assignor to L. Theis, Milwaukee, Wis. Housing method for airships. 1,465,246; Aug. 14.
Lenner, Deane D., Akron, Ohio. Washboard. 1,465,051; Aug. 14.
Leonard, Joseph J., Rantoul, Ill. Automatic valve timer and control. 1,465,014; Aug. 14.
Lerch, Marshel F., assignor to The Lerch Shumate Bolt Co., Louisville, Ky. Nut lock. 1,465,015; Aug. 14.
Lerch Shumate Bolt Co., The. (See Lerch, Marshel F., assignor.)
Leszczynski, Tadeusz, Toledo, Ohio. Toy windmill. 1,464,993; Aug. 14.
Levitt, Nathan V., assignor of one-half to M. L. Goldich, Philadelphia, Pa. Foot-arch support. 1,464,994; Aug. 14.
Liebau, Richard, New Haven, Conn. Shock absorber. 1,464,574; Aug. 14.
Lincoln Meter Company, The. (See Paine, Louis A., assignor.)
Lindenschmidt, August E., Fort Thomas, Ky. Record coupon envelope. 1,464,912; Aug. 14.
Lindsay, Hamilton, assignor to The Lindsay Wire Weaving Company, Cleveland, Ohio. Seam for woven-wire belts. 1,464,946; Aug. 14.
Lindsay, Hamilton, assignor to The Lindsay Wire Weaving Company, Cleveland, Ohio. Seam for woven-wire belts. 1,464,947; Aug. 14.
Lindsay, Hamilton, assignor to The Lindsay Wire Weaving Company, Cleveland, Ohio. Seam for woven-wire belts. 1,464,948; Aug. 14.
Lindsay Wire Weaving Company, The. (See Lindsay, Hamilton, assignor.)
Lippis, John, assignor of one-half to J. P. Thomas, jr., Canon City, Colo. Coupling for pipes. 1,464,768; Aug. 14.
Loehr-Voight, Edward, Bayside, N. Y. Shoe fastener. 1,464,849; Aug. 14.
Loepsinger, Albert J., Cranston, R. I., assignor to General Fire Extinguisher Company, New York, N. Y. Automatic sprinkler. 1,464,622; Aug. 14.
Loewe, Siegmund, Berlin, Germany. Radio receiving system. 1,464,533; Aug. 14.
Löffler, Raimund J., Dresden, Germany, assignor to W. L. Voight, New York, N. Y. Composition for use in manufacturing artificial fibers, films, leather, and the like and making the same. 1,464,949; Aug. 14.
Long, Ralph L., San Diego, Calif. Nail set and holder. 1,465,139; Aug. 14.
Lovell, Frederick W., assignor to The McMyler Interstate Company, Cleveland, Ohio. Grab bucket. 1,464,718; Aug. 14.
Lovett, John T., jr., Little Silver, N. J. Plant-ball shipping case. 1,464,534; Aug. 14.
Loynes, Owen H. (See Demarest, C. S., and Loynes.)
Lucas, Stockwell S., Poughkeepsie, N. Y. Time table. 1,465,016; Aug. 14.
Lucas, Stockwell S., Poughkeepsie, N. Y. Time table. 1,465,017; Aug. 14.
Lucey Manufacturing Corporation of Tennessee. (See Fair, Ralph E., assignor.)
Ludington Novelty Manufacturing Company. (See Atkinson, Truman L., assignor.)
Lumsden, David, Sikeston, Mo. Joint for automobile steering devices. 1,465,140; Aug. 14.
Lundell, Alben E., assignor to Western Electric Company, Incorporated, New York, N. Y. Telephone-exchange system. 1,464,719; Aug. 14.
Lutz, Hans, assignor to The Willys-Morrow Company, Elmira, N. Y. Grinding machine. 1,464,950; Aug. 14.
Lybeck, Nels A., New York, N. Y. Fishing. 1,464,623; Aug. 14.
Lyons, Joseph L. (See Brown, William F., assignor.)
McCavitt, John P., assignor of one-half to R. Waddicor, Fall River, Mass. Spinning frame and cam. 1,465,238; Aug. 14.
McClintock, William O., Walnut, Calif. Heat distributor for orchard burners. 1,464,913; Aug. 14.
McCreanor, Thomas A., South Manchester, Conn. Combined license-plate holder and illuminator. 1,465,084; Aug. 14.
McDonald, Edward W. Talladega, Ala. Brake shoe. 1,465,141; Aug. 14.
McGee, Walter M., et al. (See Guptill, Rodney G., assignor.)
McGivern, James P. L., Wilkinsburg, Pa., assignor to Westinghouse Electric & Manufacturing Company. Trolley-conductor hanger. 1,464,535; Aug. 14.
McGraw, Harry, Marion, Ind. Air motor. 1,464,575; Aug. 14.
McGuire, Philip J. (See Tilly, C. A., and McGuire.)
McIntire, Hervey H., South Bend, Ind. Electrically-influenced timing device. 1,464,951; Aug. 14.
McKelvy Rotary Valve Co. (See McKelvy, Thomas M., assignor.)
McKelvy, Thomas M., assignor to McKelvy Rotary Valve Co., Fresno, Calif. Internal-combustion-engine valve. 1,465,142; Aug. 14.
McKiernan-Terry Drill Company. (See Riker, Malcolm D., assignor.)
McKone, William J., et al. (See Combs, William J., assignor.)
McLarty, John, Klamath Falls, Oreg. Sawmill appliance. 1,464,769; Aug. 14.
McMinn, Alfred J., Denver, Colo. Shade holder. 1,464,660; Aug. 14.
McMyler Interstate Company, The. (See Lovell, Frederick W., assignor.)
McNell, Roderick P., Baring, Wash. Scraper. 1,465,018; Aug. 14.
McNicol, Donald, New York, assignor to Remington Typewriter Company, Ilion, N. Y. Typewriter attachment for telegraph systems. 1,464,952; Aug. 14.
Macabee, Edward L., Haywards, assignor to Hunt Brothers Packing Company, San Francisco, Calif. Washing apparatus. 1,465,085; Aug. 14.
Macalpine, John H., Pittsburgh, assignor to The Westinghouse Gear & Dynamometer Company, East Pittsburgh, Pa. Floating frame. 1,464,624; Aug. 14.
Macfarlane, Scott B., and L. J. Barry, Middletown, R. I., assignors to the Government of the United States. Torpedo. 1,464,576; Aug. 14.
Mädler, Franz L., Charlottenburg, Germany. Engine piston and making the same. 1,464,612; Aug. 14.
Mandalian, Sahatiel G., North Attleboro, Mass. Ornamental rope. 1,464,720; Aug. 14.
Marceau, Alfred, Brooklyn, N. Y. Routing head. 1,465,226; Aug. 14.
Martin, Robert P. (See Kollock, G. L., and Martin.)
Martinson, John, Duluth, Minn. Pulling machine. 1,464,721; Aug. 14.
Masellis, Vincenzo. (See Albo, A., and Masellis.)
Matchett, Vernon O., Toronto, Ontario, Canada. Tie spreader. 1,464,577; Aug. 14.
Matheson, Robert S., Manila, P. I. Oil press. 1,465,227; Aug. 14.
Mathis, Robert S., Corinth, Miss. Rug and making same. 1,464,879; Aug. 14.
Mattausch, Edwin F., Rosalia, Wash. Phonograph diaphragm. 1,465,019; Aug. 14.
Matthews, John F., Dover, England. Concrete building. 1,465,166; Aug. 14.
Mayer, Vilhelm, Chicago, Ill., assignor, by mesne assignments, to U. S. Sample Company. Bevel-cutting machine. 1,464,613; Aug. 14.
Mayfair Optical Company. (See Pyser, Charles S., assignor.)

Meacham, Benjamin E., Lorain, Ohio, assignor to American Stove Company, St. Louis, Mo. Thermostatic heat regulator for ovens. 1,465,086; Aug. 14.
Meadoff, Abraham S. (See Bauer, W. J., Wierth, and Meadoff.)
Mechling, Charles J., New York, N. Y. Sound box. 1,465,239; Aug. 14.
Mehargue, J. W., et al. (See Atwood, Ernest O., assignor.)
Meinecke, Joseph, Pala Maui, assignor of one-half to W. A. Ramsay, Honolulu, Hawaii. Apparatus for clearing intermediate feed chutes. 1,464,914; Aug. 14.
Mejdell, Thor. (See Foss, A., and Mejdell.)
Merkel, Arthur E., et al. (See Stringer, Melvin, assignor.)
Merrill, Wilbur L., Schenectady, N. Y., assignor to General Electric Company. Segregated drive for paper-making machines and the like. 1,465,087; Aug. 14.
Merritt, Merton, Syracuse, N. Y. Poultry tag for trap nests. 1,464,850; Aug. 14.
Mestice, William R., New York, N. Y. Coats and making the same. 1,464,880; Aug. 14.
Miehle Printing Press and Manufacturing Company. (See Dudley, Edward F., assignor.)
Miller, Arthur A., Tebbetts, Mo. Flue stopper. 1,465,228; Aug. 14.
Miller, Frederick, Utica, N. Y. Oiling device. 1,465,167; Aug. 14.
Miller, Frederick H. (See Schaake, W., and Miller.)
Miller, Harry G., Kansas City, Mo. Oil burner. 1,464,995; Aug. 14.
Miller, James F. (See Hurst, L. E., and Miller.)
Miller & Pardee, Inc. (See Dewire, John A., assignor.)
Miller, Stuart P., and J. B. Hill, Philadelphia, Pa., assignors to The Barrett Company. Producing resin. 1,464,851; Aug. 14.
Miner, William H. (See O'Connor, John F., assignor.)
Miscampbell, Hugh, Duluth, Minn. Lime-hydrating apparatus. 1,464,722; Aug. 14.
Misener, Sampson J., Woodside, Nova Scotia, Canada. Sluicing mechanism for filter presses. 1,464,953; Aug. 14.
Mitchell, Eugene F., assignor to F. R. Robertson, Spokane, Wash. Safety-razor-blade holder. 1,464,681; Aug. 14.
Mitton-Braley Aeroplane Control Co. (See Mitton, Robert E., assignor.)
Mitton, Robert E., assignor to Mitton-Braley Aeroplane Control Co., Salt Lake City, Utah. Controlling mechanism for flying machines. 1,464,852; Aug. 14.
Modern Grinder Mfg. Co. (See Rockshe, Ely, assignor.)
Monti, Endo, Turin, Italy. Apparatus for concentrating solutions. 1,465,020; Aug. 14.
Moore, Dean A. (See Keegan, W. J., jr., Callaghan and Moore.)
Moore, Frank C., Canton, Ohio. Automobile tire-casing trimming and lining machine. 1,465,229; Aug. 14.
Moore, John W., Roanoke, W. Va. Jack. 1,464,881; Aug. 14.
Morden, Stephen R., San Francisco, Calif. Grease retainer. 1,464,770; Aug. 14.
Morgan, Donald C., assignor to American Sanitary Lock Co., Indianapolis, Ind. Coin-controlled lock. 1,465,052; Aug. 14.
Morris, Fred M., Pascagoula, Miss. Hitch. 1,465,168; Aug. 14.
Morrison, Charles C., New York, N. Y. Goods container. 1,464,827; Aug. 14.
Morton, Joseph B., Dayton, Ohio. Sanitary bottle holder. 1,464,578; Aug. 14.
Motor Products Corporation. (See Pritchard, William S., assignor.)
Mott, Carl W., assignor to Fort Dearborn Manufacturing Co., Sterling, Ill. Engine. 1,464,996; Aug. 14.
Moulton, Harley C., Medford, Mass., assignor, by mesne assignments, to L. M. Stein, Chicago, Ill. Blindstitch-piping machine. 1,464,997; Aug. 14.
Mueller, L. J., Furnace Company. (See Buller, Charles M., assignor.)
Mulholland, John B., Buffalo, N. Y. Automobile signal. 1,464,579; Aug. 14.
Mullen, John L., Naturita, Colo. Ore concentrator. 1,465,143; Aug. 14.
Muro, Franklin O., Buenos Aires, Argentina. Pneumatic tire. 1,465,169; Aug. 14.
Murphy, Peter W., and H. E. Wiedeman, Spokane, Wash.; said Wiedeman assignor to said Murphy. Metallic receptacle. 1,464,771; Aug. 14.
Murray, Roy, Jensen, Utah. Car-door lock. 1,465,088; Aug. 14.

Nacey, Harry M., and M. F. Ahearn, Chicago, Ill. Dry-pipe valve. 1,464,614; Aug. 14.
National Acme Company, The. (See Smith, Oscar A., assignor.)
National Acme Company, The. (See Smith, O. A., and Leber, assignors.)
National Aniline & Chemical Company, Inc. (See Daniels, Lloyd C.)
National Brass & Copper Company, The. (See Goldsmith, Berthold, assignor.)
National Bread Wrapping Machine Company. (See Sévigné, H. A., and Arnold, assignors.)
National Fruit Cleaner Company, The. (See Reuter, John A., assignor.)
National Match Company. (See Vaughan, Bernard G., assignor.)
Neff, John H. (See Peed, Horace S., assignor.)
Neiman, Howard S. (See Rose, William H., assignor.)
Nelson, Adolph L., assignor of one-third to C. S. Crawford, Indianapolis, Ind. Piston. 1,465,144; Aug. 14.
Nelson, Charles A., assignor to Savage Arms Corporation, Utica, N. Y. Gun sight. 1,464,615; Aug. 14.
Nevill, David J., Denver, Colo., assignor to The Stearns Roger Manufacturing Company. Crushing machine. 1,464,536; Aug. 14.
New Haven Clock Co. (See Porter, Wilson E., assignor.)
New Jersey Wire Cloth Company. (See Beers, Louis G., assignor.)
Nicolson, William S., Salisbury, N. C. Soda fountain and ice-cream cabinet. 1,465,021; Aug. 14.
Nikander, August, assignor of one-half to S. E. Rothstein, Detroit, Mich. Scribing tool. 1,465,230; Aug. 14.
Nobles, Lemuel W., Washington, D. C. Combined parking bumper and theft indicator. 1,465,245; Aug. 14.
Norris, George E., assignor to The Perfection Mortising Machine Company, Columbus, Ohio. Vending machine. 1,464,682; Aug. 14.
Norsk Hydro-Elektrisk Kvaelstofaktieselskab. (See Foss, A., and Mejdell, assignors.)
North British Rubber Company Limited, The. (See Williams, William A., assignor.)
Norton Company. (See Turner, Albert, assignor.)

O'Brien, Joseph J., Springfield, Mass. Check book. 1,464,616; Aug. 14.
O'Connor, John F., Chicago, Ill., assignor to W. H. Miner, Chazy, N. Y. Friction shock-absorbing mechanism. 1,464,723; Aug. 14.
O'Connor, John F., Chicago, Ill., assignor to W. H. Miner, Chazy, N. Y. Friction shock-absorbing mechanism. 1,464,724; Aug. 14.
O'Connor, John F., Chicago, Ill., assignor to W. H. Miner, Chazy, N. Y. Friction shock-absorbing mechanism. 1,464,725; Aug. 14.
Oehler, Ernst. (See Regenbogen, C., and Oehler.)
Oglesby, William D., assignor to The O. K. Paper Pail Company, Middletown, Ohio. Egg carton. 1,465,231; Aug. 14.
O'Grady, Frederick T., Flushing, N. Y. Color motion-picture photography. 1,465,053; Aug. 14.
O'Grady, Frederick T., Flushing, N. Y. Color motion-picture photography. 1,465,054; Aug. 14.
Ogren, William V., assignor of one-half to C. D. French, Columbus, Nebr. Sound-refining box. 1,465,170; Aug. 14.
O. K. Paper Pail Company, The. (See Oglesby, William D., assignor.)
Oliver, Thomas C. (See Hechenbleikner, I., and Oliver.)
Olson, Charles A., assignor, by mesne assignments, to Geneva Heater Company, Geneva, Ill. Water heater. 1,464,954; Aug. 14.
Optische Anstalt C. P. Goerz Aktiengesellschaft. (See Jacob, Heinrich, assignor.)
Orth, Harold. (See Sandberg, Axel G., assignor.)
Otten, Lawrence F., Newport, Ky. Belt buckle. 1,464,915; Aug. 14.
Ovaitt, Nelson C., Detroit, Mich., assignor, by mesne assignments, to Payometer Company. Counter attachment for accounting machines. 1,464,683; Aug. 14.

Pacific By Products Company, The. (See Hiller, S., and Clarke, assignors.)
Packard Motor Car Company. (See Gunn, Earl G., assignor.)
Packard Motor Car Company. (See Stout, William B., assignor.)
Paez, Aladar, Cleveland Heights, Ohio. Electrolyte for aluminum production and preparing same. 1,464,625; Aug. 14.
Paine, Louis A., assignor to The Lincoln Meter Company, Limited, Toronto, Ontario, Canada. Attachment for indicators. 1,464,772; Aug. 14.
Palmer, Brian C., assignor to American Taximeter Company, New York, N. Y. Mounting for taximeters. 1,464,882; Aug. 14.
Pankratz, Julius, Richmond Hill, N. Y. Chandelier. Des. 62,866; Aug. 14.
Pape, Max C. A. H., Neumuhlen-Dietrichsdorf, near Kiel, Germany, assignor to the Firm Carbonit-Aktiengesellschaft, Hamburg, Germany. Sea mine. 1,465,232; Aug. 14.
Paraffine Companies, The. (See Finley, Dozier, assignor.)
Paraffine Companies, The. (See Forsman, Stanton W., assignor.)
Park, Lee H., Seattle, Wash. Foldable egg case. 1,465,145; Aug. 14.
Parker, Charles B., Nashville, Tenn. Automatic train control. 1,464,955; Aug. 14.
Parker, John C., Omaha, Nebr. Disk attachment for garden rakes. 1,465,089; Aug. 14.
Parkhill, Mortimer S. (See Ditson, J., and Parkhill.)
Parsons, Charles A., and S. S. Cook, Newcastle-upon-Tyne, England; said Cook assignor to said Parsons. Forced lubricating system. 1,464,828; Aug. 14.
Parsons, Charles A., Newcastle-upon-Tyne, C. J. Peddle, Derby, and H. M. Duncan, Newcastle-upon-Tyne, England; said Peddle and Duncan assignors to said Parsons. Manufacture of optical glass. 1,465,022; Aug. 14.

Parsons, Charles A., S. S. Cook, and L. M. Douglas, Newcastle-upon-Tyne, England, said Douglas and Cook assignors to said Parsons. Lubricating system. 1,465,171; Aug. 14.
Parsons, Charles A., S. S. Cook, and L. M. Douglas, Newcastle-upon-Tyne, England; said Cook and said Douglas assignors to said Parsons. Lubricating system. 1,465,172; Aug. 14.
Patheal, Herschel P., Greenville, Ill. Extension wheel-rim connector. 1,464,773; Aug. 14.
Patten, James C. (See Peffer, H. C., and Pierce, assignors.)
Payometer Company. (See Ovaitt, Nelson C., assignor.)
Pearson, Charles. (See Benjamin, B. R., Welber, and Pearson.)
Pearsons, George T., New York, N. Y. Fire extinguisher. Re15,673; Aug. 14.
Pecoraro, Leopold. (See Rancadore, I., and Pecoraro.)
Peddle, Cyril J. (See Parson, C. A., Peddle, and Duncan.)
Peed, Horace S., Kansas City, Mo., assignor, by mesne assignments, to J. H. Neff, Fort Leavenworth, Kans. External contracting brake for automobiles. 1,464,617; Aug. 14.
Peffer, Harry C., and H. C. Pierce, La Fayette, assignors to J. C. Patten, Kokomo, Ind. Electrodepositing cobalt and chromium. 1,465,173; Aug. 14.
Penn, George R. (See Bowman, R. L., and Penn.)
Perfection Mortising Machine Company, The. (See Norris, George E., assignor.)
Perfecto Gear Differential Co. (See Starr, Charles E., assignor.)
Perry, Antone, assignor to Simplex Reboring Machine Company, Oakland, Calif. Cylinder-reboring device. 1,464,916; Aug. 14.
Pershing, Royal S., Fort Worth, Tex. Electric heater for oil wells and the like. 1,464,618; Aug. 14.
Persson, Alf T., Chicago, Ill. Receptacle. 1,465,055; Aug. 14.
Petermann, Otto. (See Harmon, E. L., and Petermann.)
Peters, Frank A., Chicago, Ill. Drapery support. 1,464,619; Aug. 14.
Peterson, George G., East Providence, R. I. Ice-cream cabinet. 1,465,027; Aug. 14.
Petteys, Willard A., Wilcox, Nebr. Motor-truck unloader. 1,465,146; Aug. 14.
Phelan, Eugene R., assignor of one-half to F. S. Dickinson, New York, N. Y. Golf club. 1,465,056. Aug. 14.
Philadelphia Metal Drying Form Company. (See Reeps, Leroy W., assignor.)
Philipon, Henri J. F., Bellegarde-en-Forez, France. Heat regenerator. 1,464,580; Aug. 14.
Phillips, Gordon, and P. Hanlon, assignors of one-third to E. H. Figley, Detroit, Mich. Painter's mask. 1,464,883; Aug. 14.
Phipps, Charles T., Saltville, Va. Throttle-operating mechanism for locomotives. 1,464,774; Aug. 14.
Pierce, Harrie C. (See Peffer, H. C., and Pierce.)
Plochocki, Anthony, assignor of one-half to E. Brzozowski, Brooklyn, N. Y. Game device. 1,464,537; Aug. 14.
Plondke, Frederic J., St. Paul, Minn. Operating bed. 1,464,661; Aug. 14.
Polinkowsky, Lipa, Antwerp, Belgium, assignor to Western Electric Company, Incorporated, New York, N. Y. Telephone-exchange system. 1,464,726; Aug. 14.
Poritz, Frederick M., assignor to Star Chandelier Company, New York, N. Y. Electric-candle wall bracket. Des. 62,868; Aug. 14.
Poritz, Frederick M., assignor to Star Chandelier Company, New York, N. Y. Electric wall-bracket plate. Des. 62,869; Aug. 14.
Porter, John M., Wilmington, N. C. Windmill. 1,465,174; Aug. 14.
Porter, Wilson E., assignor to New Haven Clock Co., New Haven, Conn. Chime and strike clock. 1,465,090; Aug. 14.
Posner, Abraham, Brooklyn, N. Y. Fashioned ankle and arch support. 1,465,233; Aug. 14.
Pottenger, James W., Kankakee, Ill. Chicken coop. 1,464,581; Aug. 14.
Pratt, Arthur S., Lincoln Place, Pa. Laundry clothes stick. 1,465,175; Aug. 14.
Pratt, Charles F., Plymouth, Wis. Cigarette extinguisher. 1,464,998; Aug. 14.
Pratt, Charles R., Montclair, N. J., assignor to The E. Horton & Son Company, Windsor Locks, Conn. Machine tool, chuck, and chucking system. 1,465,234; Aug. 14.
Pratt & Whitney Company. (See Rusnak, John M., assignor.)
Prendergast, George G., St. Louis, Mo. Apparatus for moving derricks and the like. 1,464,582; Aug. 14.
Priebe, Ernest B. (See Flemings, J. A., and Priebe.)
Prince, David C., Schenectady, N. Y., assignor to General Electric Company. Governor for elastic-fluid engines. 1,465,091; Aug. 14.
Pritchard, William S., assignor to Motor Products Corporation, Detroit, Mich. Tube-forming machine. 1,464,583; Aug. 14.
Pyser, Charles S., assignor to The Mayfair Optical Company, Limited, London, England. Apparatus for demonstrating or testing the transmission of light by ophthalmic glass and the like. 1,464,999; Aug. 14.

Qua, Robert. (See Heddle, R., and Qua.)
Queen Automatic Phonograph Co. (See Bauer, W. J., Wierth, and Meadoff, assignors.)

Ragsdale, Raymond, Porterville, Calif. Shock absorber. 1,465,023; Aug. 14.
Raincheck Umbrellas, Inc. (See Reid, J., and Hopkinson, assignors.)
Ramsay, W. A. (See Meinecke, Joseph, assignor.)
Ramsey, George, Brooklyn, assignor to Anchor Cap and Closure Corporation, Long Island City, N. Y. Interrupted bead cap. 1,464,584; Aug. 14.
Rancadore, Ignatius, and L. Pecoraro, San Jose, Calif. Canning device. 1,464,829; Aug. 14.
Randall Control and Hydrometric Corporation. (See Hartman, William H., assignor.)
Rasmussen, Chester A., Long Beach, Calif. Packing means for well casings. 1,464,585; Aug. 14.
Raulerson, Harmon L., assignor of one-half to S. J. Thibodeaux, Okeechobee, Fla. Valve. 1,465,176; Aug. 14.
Rawson, Myron R., Spokane, Wash., assignor to J. H. Bolin, Sandpoint, Idaho. Match-block sawing machine. 1,464,727; Aug. 14.
Read, Ernest K., Wilkinsburg, Pa., assignor to Westinghouse Electric & Manufacturing Company. Switch. 1,464,538; Aug. 14.
Reber, James B., assignor to Columbian Rope Company, Auburn, N. Y. Fiber-opening machine. 1,465,235; Aug. 14.
Reece Shoe Machinery Company. (See Schoenky, August R., assignor.)
Reeps, Leroy W., Springfield, Pa., assignor to Philadelphia Metal Drying Form Company, Philadelphia, Pa. Drying form. 1,464,539; Aug. 14.
Reeves, Alfred, assignor of one-half to G. H. C. Butler, Birmingham, England. Device or apparatus for avoiding the glare or dazzle emanating from lamps. 1,464,884; Aug. 14.
Regenbogen, Conrad, and E. Oehler, Kiel, Germany, assignors to Fried. Krupp Aktiengesellschaft Germaniawerft, Kiel-Gaarden, Germany. Driving mechanism for marine propellers. 1,465,024; Aug. 14.
Reid, James, New York, N. Y. Umbrella. 1,464,507; Aug. 14.
Reid, James, New York, N. Y., and H. Hopkinson, South Orange, N. J., assignors to Raincheck Umbrellas, Inc. Umbrella. 1,464,830; Aug. 14.
Reid, Robert M., Colorado Springs, Colo. Token holder. 1,464,586; Aug. 14.
Reid, Thomas A. (See Colby, O. A., and Reid.)
Reidt, Ulrich, Los Angeles, Calif. Valve. 1,465,147; Aug. 14.
Reinhold, John J., Marietta, Pa. Internal-combustion engine. 1,464,831; Aug. 14.
Reliance Manufacturing Co. (See Bears, Daniel S., assignor.)
Remington Typewriter Company. (See McNicol, Donald, assignor.)
Respess, Roland B., New York, N. Y., assignor, by mesne assignments, to Respro Inc., Cranston, R. I. Making artificial leather. 1,465,092; Aug. 14.
Respess, Roland B., New York, N. Y., assignor, by mesne assignments, to Respro Inc., Cranston, R. I. Making an unwoven fabric. 1,465,093; Aug. 14.
Respro Inc. (See Respess, Roland B., assignor.)
Reuter, John A., assignor to The National Fruit Cleaner Company, The Dalles, Oreg. Fruit cleaner. 1,464,775; Aug. 14.
Reynier, Karl H. (See Balcerwicz, Julius G., assignor.)
Richards, Daniel W., Roanoke, Va. Circuit controller. 1,464,626; Aug. 14.
Richardson, Ernest L., Lynn, Mass., assignor to General Electric Company. Heating system. 1,465,095; Aug. 14.
Richardson, Thomas B., Piedmont, Okla. Stitching forceps. 1,464,832; Aug. 14.
Richter, Joseph F., Hardin, Mont. Tire stitcher. 1,465,177; Aug. 14.
Riker, Malcolm D., assignor to McKiernan-Terry Drill Company, Dover, N. J. Jack. 1,465,057; Aug. 14.
Rimke, William, Berwyn, Ill. Cabinet. 1,465,178; Aug. 14.
Rinesi Giovanni, Genoa, Italy. Construction of boats' davits. 1,465,025; Aug. 14.
Ringler, William A., Philadelphia, Pa., assignor to The Globe-Wernicke Company. Filing device. 1,464,833; Aug. 14.
Risberg, Johannes V. M., Sodertelje, assignor to Aktiebolaget Baltic, Stockholm, Sweden. Churn. 1,465,179; Aug. 14.
Ritz, Frederick, Napoleon, Ohio. Windmill-lubricating system. 1,464,662; Aug. 14.
Roach, Jesse E., Oakland, Calif., assignor, by mesne assignments, to Autopoint Manufacturing Company, Chicago, Ill. Pencil. 1,464,853; Aug. 14.
Robertson, Frank R. (See Mitchell, Eugene F., assignor.)
Rochester Binding & Coat Front Company. (See Goldstein, Albert S., assignor.)
Rock, James, New York, N. Y. Tool-supporting spindle for woodworking machines. 1,465,058; Aug. 14.
Rock, James, Astoria, N. Y. Tool-supporting spindle for woodworking machines. 1,465,059; Aug. 14.
Rock, James, Astoria, N. Y. Woodworking tool and forming the cutting edge thereof. 1,465,060; Aug. 14.

Rockman, Bennett, Boston, Mass. Windshield cleaner. 1,464,776; Aug. 14.

Romano, Ernesto, New York, N. Y. Tape-feeding attachment for sewing machines. 1,465,000; Aug. 14.

Rose, Wilber S., Denver, Colo. Guard for automobile ignition switches. 1,464,854; Aug. 14.

Rose, William H., Jersey City, N. J., assignor of one-half to H. S. Neiman, New York, N. Y. Smoking device. 1,464,540; Aug. 14.

Rosenberg, Heyman, New York, N. Y. Screw. 1,465,148; Aug. 14.

Rosner, Adolph, assignor to American Bosch Magneto Corporation, Springfield, Mass. Impulse coupling. 1,464,663; Aug. 14.

Ross, Charles R., assignor of one-half to W. D. Kline, Kansas City, Mo. Portable grinder. 1,464,728; Aug. 14.

Ross, David E., La Fayette, Ind. Bevel-gear transmission gearing. 1,464,777; Aug. 14.

Rothstein, Samuel E. (See Nikander, August, assignor.)

Rowe, Reuel S., and G. Weinle, Rutland, Vt. Rubber retainer. 1,465,180; Aug. 14.

Rowland, Clifford B., Trenton, N. J. Agricultural machine. 1,464,541; Aug. 14.

Rudin, Karl V., Stockholm, Sweden. Zeroizing means for the curve disks of calculating machines. 1,464,778; Aug. 14.

Rush, Thomas O. (See Haggard, O. L. F., and Rush.)

Rusnak, John M., Hartford, Conn., assignor to Pratt & Whitney Company, New York, N. Y. Adjustable arm for multiple-spindle drills. 1,464,542; Aug. 14.

Russell Company, The. (See Kinsley, William S., assignor.)

Russell, Samuel G., and E. D. Clickner, assignors to Shakespeare Company, Kalamazoo, Mich. Fishing reel. 1,464,587; Aug. 14.

Ruwe, John W., San Antonio, Tex. Refining and purifying animal tallows, oils, fats, and greases. 1,464,627; Aug. 14.

Sago, Charles, Old Forge, Pa. Portable fire escape. 1,465,182; Aug. 14.

Salerno, Ferdinando G., Chicago, Ill. Detachable box cover. 1,464,508; Aug. 14.

Sandberg, Axel G., Worcester, assignor to H. Orth, Boston, Mass. Coin box for telephones. 1,465,185; Aug. 14.

Sando, Will J., Milwaukee, Wis. System for treating activated sludge. 1,465,001; Aug. 14.

Savage Arms Corporation. (See Nelson, Charler A., assignor.)

Sauvage, Herbert J. (See Evers, A. J., and Sauvage.)

Sauvageon, Marius, Paris, France. Electric furnace. 1,464,543; Aug. 14.

Scaletti, Joseph, Suisun City, Calif. Stanchion. 1,465,183; Aug. 14.

Schaake, William, Pittsburgh, and F. H. Miller, Wilkinsburg, Pa., assignors to Westinghouse Electric & Manufacturing Company. Trolley frog. 1,464,509; Aug. 14.

Schawang, Peter, St. Paul, Minn. Teat cup. 1,465,002; Aug. 14.

Schelhammer, Herman, Whitestone Landing, assignor to American Hard Rubber Co., New York, N. Y. Method and apparatus for manufacturing combs and other toothed articles. 1,464,664; Aug. 14.

Schey, Max, Brooklyn, N. Y. Broiler attachment. 1,465,061; Aug. 14.

Schimming, Paul A., Hope, Kans. Water-circulating device for radiators. 1,465,184; Aug. 14.

Schmauss, John. (See Breck, George D. and L. W., and Schmauss.)

Schneider, Peter, Lawrenceburg, Ind. Combined step-ladder and ironing board. 1,464,629; Aug. 14.

Schoenky, August R., Somerville, assignor to Reece Shoe Machinery Company, Boston, Mass. Sewing machine. 1,464,630; Aug. 14.

Schroeder, Ruth S. M., Chicago, Ill. Toilet article. 1,465,092; Aug. 14.

Schultze, Paul, Wauchula, Fla. Tire rim. 1,465,096; Aug. 14.

Schulze, William H., assignor to Steward-Warner Speedometer Corporation, Chicago, Ill. Differential shaft drive for speedometers and the like. 1,465,003; Aug. 14.

Schurr, Charles H., assignor to The Lees-Bradner Company, Cleveland, Ohio. Ring-type cutter and its use. 1,465,240; Aug. 14.

Schwartz, Daniel H. (See Hickey, J., and Schwartz.)

Schwartzberg, Louis, Chicago, Ill. Cushion for egg cases. 1,464,628; Aug. 14.

Schwartzman, Jacub, Brooklyn, N. Y. Link fabric for bedsprings. 1,464,834; Aug. 14.

Security Bag Company, The. (See Vandenberg, Jacob, assignor.)

Seevers, Thomas, deceased, Oskaloosa, Iowa; G. Seevers, administratrix. Excavating, dumping, and spreading machine. 1,465,186; Aug. 14.

Seevers, Grace, administratrix. (See Seevers, Thomas.)

Service Station Supply Company. (See Terry, Charles W., assignor.)

Severy, Melvin L., Los Angeles, Calif. Method of and means for production of sonorous vibrations. 1,464,729; Aug. 14.

Sévigné, Henri A., Winthrop, Mass., and F. K. Arnold, Nashua, N. H., assignors to National Bread Wrapping Machine Company, Boston, Mass. Feeding and cutting mechanism for waxed paper. 1,464,544; Aug. 14.

Shakespeare Company. (See Russell, S. G. and Clickner, assignors.)

Shearman, Thomas J., Philadelphia, Pa. Thread-cutting device. 1,464,779; Aug. 14.

Sherman, H. B., Manufacturing Co. (See Sherman, H. B., and Bliss, assignors.)

Sherman, Howard B., and D. M. Bliss, assignors to H. B. Sherman Manufacturing Co., Battle Creek, Mich. Screw-operable drain valve. 1,465,004; Aug. 14.

Sherzer, Allen F., Ypsilanti, Mich. Regulating centrifugal pumps. 1,465,097; Aug. 14.

Shinskle, Marcus A., Usona, Calif. Safety logging hook. 1,464,665; Aug. 14.

Simmons, Elizabeth, St. Louis, Mo. Combined lamp and book end. Des. 62,870; Aug. 14.

Simplex Reboring Machine Company. (See Perry, Antone, assignor.)

Simpson, Arthur M. (See Simpson, George N. and A. M.)

Simpson, George N., assignor to Wood Equipment Company, Chicago, Ill. Car-unloading apparatus. 1,465,005; Aug. 14.

Simpson, George N. and A. M., Chicago, Ill. Car-holding mechanism. 1,465,006; Aug. 14.

Simpson, Ray, Oak Park, assignor to Jewell Electrical Instrument Company, Chicago, Ill. Electrolyte-level indicator. 1,464,510; Aug. 14.

Singer Manufacturing Company, The. (See Hemleb, Martin, assignor.)

Sjolin, Ernest, assignor to Chicago Flexible Shaft Company, Chicago, Ill. Electric toaster. 1,465,007; Aug. 14.

Skelly, Bernard H., Bridgeport, Conn., assignor to The Bassick Manufacturing Company, Chicago, Ill. Lubricating system. Re15,675; Aug. 14.

Skinner, Thomas. (See Williams, C. J., and Skinner.)

Slater, Fred M., Easton, Pa., assignor to Ingersoll-Rand Company, Jersey City, N. J. Antifriction bearing. 1,464,666; Aug. 14.

Sloan, Peter J., assignor of one-half to S. Erickson and fifty per cent to A. J. Cole, Denver, Colo. Electric railway lantern. 1,464,855; Aug. 14.

Slocomb, Frank F., St. Georges Hundred, Del. Skin stop for leather-finishing machines. 1,464,885; Aug. 14.

Smilack, Abraham. (See Lofft, Frederick A., assignor.)

Smith, Frederic L., deceased, Pittsford, N. Y.; M. C. Smith, administratrix, assignor to M. C. Smith, Northampton, Mass. Spoon holder. 1,464,731; Aug. 14.

Smith, James T., Thayer, Kans. Hatrack. 1,465,026; Aug. 14.

Smith, Margaret C., administratrix. (See Smith, Frederic L.)

Smith, Margaret C. (See Smith, Frederic L., assignor.)

Smith, Oscar A., East Cleveland, and G. J. Leber, assignors to The National Acme Company, Cleveland, Ohio. Duplex stud-forming machine. 1,464,956; Aug. 14.

Smith, Oscar A., assignor to The National Acme Company, Cleveland, Ohio. Pointing and shaving machine for bolts, etc. 1,464,957; Aug. 14.

Snelling, Walter O., Allentown, Pa., assignor to Trojan Powder Company, New York, N. Y. Explosive. 1,464,667; Aug. 14.

Snyder, Augustus E., Bloomfield, N. J., assignor to Westinghouse Lamp Company, Carton. 1,464,835; Aug. 14.

Snyder, Charles F., Pittsburgh, Pa. Pocket match carrier. 1,465,187; Aug. 14.

Snyder, Christopher H., Berkeley, Calif. Means for holding reenforcing fabrication of concrete floors and slabs. 1,464,886; Aug. 14.

Sohn, John W., Roxborough, assignor to A. T. Baker & Company, Inc., Philadelphia, Pa. Method and apparatus for beaming warp. 1,465,063; Aug. 14.

Sohn, John W., Roxborough, Pa., assignor to A. T. Baker & Company, Inc., Philadelphia, Pa. Method and apparatus for beaming warp. 1,465,064; Aug. 14.

Spangler Manufacturing Company, The. (See Glaze, Frederick E., assignor.)

Spencer, Franklin T., A. Jamison and C. G. Jamison, Painted Post, N. Y. Hot-air heater. 1,464,545; Aug. 14.

Spero, Samuel, Michigan City, Ind. Apron. 1,464,546; Aug. 14.

Spiess, Georg, Leipzig-Reudnitz, Germany. Sheet-feeding device. 1,464,668; Aug. 14.

Spuehler, Fred J., Toledo, Ohio. Reel for conducting cords. 1,464,631; Aug. 14.

Squire, Gayle L., Hastings, Fla. Ladder. 1,464,780; Aug. 14.

Stacey, Alfred E., jr., Chicago, Ill., assignor to Carrier Engineering Corporation, New York, N. Y. Method of and apparatus for chilling material such as meat. 1,465,028; Aug. 14.

Stafford, Orin F., Eugene, Oreg. Cooling and stabilizing charcoal. 1,464,732; Aug. 14.

Stahl, Albert R., Somerset, Pa. Harrow. 1,465,188; Aug. 14.

Staier, Henry. (See Gottschalk, Karl P., assignor.)

Staley, Homer C., Oakland, assignor to Hunt Brothers Packing Company, San Francisco, Calif. Washing apparatus. 1,465,098; Aug. 14.

Standard Corset Company, The. (See Von Halle, Millard, assignor.)

Standard Development Company. (See Gerstenberger, Henry L. G., assignor.)

Standard Meter Company, The. (See Danaher, John W., assignor.)

Standard Signal Corporation, The. (See Campbell, Colin J., assignor.)

Star Chandelier Company. (See Poritz, Frederick M., assignor.)

Starr, Charles E., Bellingham, Wash., assignor to Perfecto Gear Differential Co., Oakland, Calif. Vehicle driving gear. 1,464,887; Aug. 14.

Stearns Roger Manufacturing Company, The. (See Nevill, David J., assignor.)

Stein, Lawrence M. (See Moulton, Harley C., assignor.)

Steinmetz Electric Motor Car Corporation. (See Stoppenbach, Donald C., assignor.)

Steinmetz, Stefan, Berlin, Germany. Apparatus for washing, husking, and polishing wet grain. 1,464,547; Aug. 14.

Stell, Alfred, Steeton, near Keighley, and John Stell, Keighley, England. Doffing apparatus for spinning, doubling, twisting, and like machines. 1,464,730; Aug. 14.

Stell, John. (See Stell, Alfred and J.)

Stenson, Solfest N. (See Crago, Felix H., assignor.)

Stephens, George R., Atlanta, Ga. Collapsible bucket. 1,464,548; Aug. 14.

Stephens, William, Ironwood, Mich. Rotation sleeve for drill bits. 1,465,008; Aug. 14.

Stern, Joseph H., Paterson, assignor to M. J. Ford Manufacturing Company, Hoboken, N. J. Adjusting device. 1,465,065; Aug. 14.

Sterns, Edward O., assignor to The Sterns Gas Engine Lubricator Company, Columbus, Ohio. System of lubricating gas engines. 1,464,733; Aug. 14.

Sterns, Edward O., assignor to The Sterns Gas Engine Lubricator Company, Columbus, Ohio. System of lubrication. 1,464,734; Aug. 14.

Sterns Gas Engine Lubricator Company, The. (See Sterns, Edward O., assignor.)

Stetson, George W., Hingham, Mass. Feed-water regulator. 1,464,669; Aug. 14.

Stewart, Alexander, Waupaca, Wis. Traction device. 1,464,781; Aug. 14.

Stewart, Clay T., Rochester, N. Y. Fuel-feed system. 1,465,189; Aug. 14.

Stewart, George F., Swampscott, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J. Sole-pressing machine. 1,464,888; Aug. 14.

Stewart-Warner Speedometer Corporation. (See Schulze, William H., assignor.)

Stewart, William A., San Francisco, Calif. Harvester. 1,465,190; Aug. 14.

Stickney, Burnham C., Elizabeth, N. J., assignor to Underwood Typewriter Company, New York, N. Y. Typewriting machine. 1,465,191; Aug. 14.

Stirn, Charles, San Francisco, Calif. Extensible table and hot-food tray. 1,464,889; Aug. 14.

Stoddard, Elliott J., et al. (See White, Thomas H., assignor.)

Stolberg, Herman K., Elmhurst, Calif. Safety device for checks. 1,465,099; Aug. 14.

Stoppenbach, Donald C., assignor to Steinmetz Electric Motor Car Corporation, New York, N. Y. Driving mechanism. 1,464,684; Aug. 14.

Stott, Alexander W., Brooklyn, N. Y., assignor to The Hills Brothers Company, Inc. Method of and apparatus for separating dates. 1,464,511; Aug. 14.

Stout, William B., assignor to Packard Motor Car Company, Detroit, Mich. Airplane. 1,464,670; Aug. 14.

Straehle, Frederick W., Cleveland, Ohio. Reamer. 1,465,029; Aug. 14.

Stransky, John A. (See Weeks, Elling O., assignor.)

Stringer, Melvin, assignor of one-fourth to G. T. Bander and one-fourth to A. E. Merkel, Cleveland, Ohio. Braking system for automotive vehicles. 1,465,066; Aug. 14.

Stubbs, Walter, Mascot, New South Wales, Australia. Electric heating appliance of the immersed-element type. 1,464,782; Aug. 14.

Stupp, Charles G. (See Downs, C. R., and Stupp.)

Sturtevant, B. F., Company. (See Flemings, J. A., and Priebe, assignors.)

Suhr, Max, West Palm Beach, Fla. Decorating roll. 1,464,512; Aug. 14.

Summers, Rufus A., Moscow, Kans. Individually-operable headlight. 1,465,192; Aug. 14.

Sundberg, Richelieu, Salt Lake City, Utah. Spark plug. 1,464,685; Aug. 14.

Surico, Carmine. (See Fumagalli, G., Cardone, and Surico.)

Sutherland, Daniel M., jr., Trenton, assignor to The Agasote Millboard Co., Ewing Township, N. J. Sheet-handling device. 1,464,513; Aug. 14.

Swain, Mack M., Los Angeles, Calif. Music cabinet. 1,464,890; Aug. 14.

Sylvan, Joseph, assignor to American 3-Way Luxfer Prism Co., Chicago, Ill. Skylight construction. 1,464,783; Aug. 14.

Talbot, Evariste E., Fall River, Mass. Means for removably securing cam plates to cam shafts. 1,464,589; Aug. 14.

Taliaferro, Thomas L., Chicago, Ill. Shoe-polish box. 1,465,100; Aug. 14.

Tarbox, John P., Garden City, N. Y., assignor to Tarbox Safety Aircraft Company. Balancing system for aircraft. 1,464,784; Aug. 14.

Tarbox Safety Aircraft Company. (See Tarbox, John P., assignor.)

Taylor Instrument Companies. (See Ireland, George B., assignor.)

Taylor, Murlin D., Chicago, Ill. Hydraulic shock absorber. 1,464,686; Aug. 14.

Tefft, Frederick A., assignor to A. Smilack, Toledo, Ohio. Supporting bar for terminal boxes. 1,464,620; Aug. 14.

Tepfer, Harry, New York, N. Y. Loop for a lighting fixture. Des. 62,871; Aug. 14.

Tepfer, Harry, New York, N. Y. Arm for a lighting fixture. Des. 62,872; Aug. 14.

Tepfer, Harry, New York, N. Y. Arm for a lighting fixture. Des. 62,873; Aug. 14.

Terry, Charles W., assignor to Service Station Supply Company, Detroit, Mich. Battery-testing instrument. 1,464,514; Aug. 14.

Tew, William W., Banks, Ala. Vehicle wheel. 1,465,193; Aug. 14.

Theis, Lula. (See Lemm, Leo, assignor.)

Thibodeaux, Stanley J. (See Raulerson, Harmon L., assignor.)

Thomas Flexible Coupling Company. (See Thomas, Millward T., assignor.)

Thomas, John P., jr. (See Lippis, John, assignor.)

Thomas, Joseph C., Akron, Ohio. Display apparatus. 1,464,515; Aug. 14.

Thomas, Millward T., Troy, assignor to Thomas Flexible Coupling Company, Erie, Pa. Flexible shaft coupling. Re15,672; Aug. 14.

Thomas, R., & Sons, Co., The. (See Buckley, Lorenzo C., assignor.)

Thompson, Harry H. (See Heise, G. W., and Thompson.)

Thomson, Ralph K., Sioux Falls, S. Dak. Automobile curtain. 1,464,549; Aug. 14.

Thomson, Robert F., Watertown, N. Y. Record lifter. 1,464,785; Aug. 14.

Thornton, Albin L., El Paso, Tex. Fastening device for cuffs. 1,464,891; Aug. 14.

Thorpe, Samuel T., assignor to The Horton Manufacturing Company, Bristol, Conn. Golf club. 1,464,550; Aug. 14.

Throop, Damon R., Stockton, Calif. Scraper. 1,464,687; Aug. 14.

Tilly, Charles A., and P. J. McGuire, Brooklyn, N. Y. Clothesline support and protector. 1,464,958; Aug. 14.

Tiny Toter Manufacturing Company, The. (See Dunkelberger, Milton S., assignor.)

Tirrell, Leslie L., New Troy, Mich. Spray gun. 1,465,194; Aug. 14.

Toronto Power Company Limited, The. (See Allan, William G., assignor.)

Totbill, William S., Chicago, Ill. Amusement apparatus. 1,465,067; Aug. 14.

Towle, William J., St. Paul, Minn. Machine for forming gaskets and applying the same to can ends or other closures. 1,465,101; Aug. 14.

Towle, William J., St. Paul, Minn. Lining can ends and mechanism therefor. 1,465,102; Aug. 14.

Townsend, Arthur J., Canton, Ohio, assignor to The Federal Machine & Welder Company, Warren, Ohio. Welding machine. 1,465,241; Aug. 14.

Trailer Truck Company. (See Utter, L. E., and Howland, assignors.)

Traum, David, assignor to Dritz-Traum Co., New York, N. Y. Bag. 1,465,195; Aug. 14.

Trbojevich, Nikola, Detroit, Mich. Gear. 1,465,149; Aug. 14.

Trbojevich, Nikola, Detroit, Mich. Forming spiral bevel gears. 1,465,150; Aug. 14.

Trbojevich, Nikola, Detroit, Mich. Hob. 1,465,151; Aug. 14.

Trogner, Roland S., assignor to The Goodyear Tire & Rubber Company, Akron, Ohio. Vehicle tire. 1,464,590; Aug. 14.

Trojan Powder Company. (See Snelling, Walter O., assignor.)

Troslen, Charles G., et al. (See White, Thomas H., assignor.)

Troy Sunshade Company, The. (See Dillingham, Frederick A., assignor.)

Turner, Albert, assignor to Norton Company, Worcester, Mass. Uniformly-driven cam-grinding apparatus. 1,465,068; Aug. 14.

Turner, James, Campbell, Calif. Fruit cutting and pitting machine. 1,464,836; Aug. 14.

Tuthill, Victor M., assignor to Baldwin, Tuthill & Bolton, Grand Rapids, Mich. Grinding-wheel-truing device. 1,464,959; Aug. 14.

Twogood, Ralph S., Berkeley, Calif. Household furnace. 1,464,892; Aug. 14.

U. S. Ring Traveler Company. (See Gilligan, George H., assignor.)

U. S. Sample Company. (See Mayer, Vilhelm, assignor.)

Underwood Typewriter Company. (See Helmond, William F., assignor.)

Underwood Typewriter Company. (See Stickney, Burnham C., assignor.)

Underwood Typewriter Company. (See Wherry, John A., assignor.)

Unglaube, Herbert M. C., assignor to the Firm of "Date" Laboratoriums- und Industrie-Bedarf, G. m. b. H., Hamburg, Germany. Mercury-vapor jet pump. 1,465,030; Aug. 14.
Union Carbide & Carbon Research Laboratories, Inc. (See Heise, G. W., and Thompson, assignors.)
Union Paper Company. (See Holt, Joseph W., assignor.)
Union Switch and Signal Company, The. (See Day, Albert V. T., assignor.)
United Mines and Manufacturing Company, The. (See Kohler, Ernest, assignor.)
United Shoe Machinery Corporation. (See Balcom, Frederick J., assignor.)
United Shoe Machinery Corporation. (See Engel, Karl, assignor.)
United Shoe Machinery Corporation. (See Fossa, Joseph, assignor.)
United Shoe Machinery Corporation. (See Stewart, George F., assignor.)
United States Broom Company. (See Duvall, George W., assignor.)
Upton Machine Company. (See Keil, Gustav B., assignor.)
Urquhart, Alexander, Derby, Conn. Expanding arbor. 1,464,551; Aug. 14.
Utter, Lee E., and R. E. Howland, assignors to Trailer Truck Company, Nashotah, Wis. Trailer truck. 1,465,103; Aug. 14.
Utz, John G. (See Girl, C., Dunston, and Utz.)

Vandenberg, Jacob, Wyoming, Ohio, assignor to The Security Bag Company, Cincinnati, Ohio. Bag-handle-attaching device. 1,464,516; Aug. 14.
Van Dorn, William E., Chicago, Ill. Corrugated steel end for gondola cars. 1,464,517; Aug. 14.
Van Dorn, William E., Chicago, Ill. Steel end for gondola cars. 1,464,518; Aug. 14.
Vaughan, Bernard G., assignor to National Match Company, Joliet, Ill. Match-making machine. 1,465,031; Aug. 14.
Vennes, Harald J., assignor to Western Electric Company, Incorporated, New York, N. Y. Signaling system. 1,464,519; Aug. 14.
Vernet, Serglius, Syracuse, N. Y. Mechanical movement. 1,464,856; Aug. 14.
Vogel, Carl H., Buffalo, N. Y. Vehicle step. 1,464,735; Aug. 14.
Voigt, William L. (See Löffler, Raimund J., assignor.)
Vonde Veld, Edwin A., El Paso, Tex. Dispensing apparatus. 1,464,893; Aug. 14.
Von Halle, Millard, Palisades Park, N. J., assignor to The Standard Corset Company, New York, N. Y. Corset. 1,465,104; Aug. 14.
Von Halle, Millard, Palisades Park, N. J., assignor to The Standard Corset Company, New York, N. Y. Corset. 1,465,105; Aug. 14.
Von Horst, Louis, Coberg, Germany. Flavoring agent for beverages. 1,464,520; Aug. 14.
Von Kothen, William, Kansas City, Mo. Solid truck tire. 1,464,786; Aug. 14.
Von Leesen, Emil, Berlin, Germany. Pneumatic hammer. 1,464,787; Aug. 14.

Waddicor, Richard. (See McCavitt, John P., assignor.)
Wade, Henry N., assignor to The Cutler-Hammer M'f'g Co., Milwaukee, Wis. Rheostat. 1,464,857; Aug. 14.
Wakefield, Thomas, sr., Miami, Ariz. Automatic light-circuit control. 1,464,788; Aug. 14.
Wakelee, William W., Stratford, and A. C. Griscom, Sandy Hook, Conn. Hydraulic governor for hydrocarbon engines. 1,464,960; Aug. 14.
Walden, Wallace E., Domingo, N. Mex. Feed fuel for explosion engines. 1,464,592; Aug. 14.
Walker, Alvin M. (See Withrow, F. G., and Walker.)
Wander, Joseph E., Washington, D. C. Demountable rim. 1,465,196; Aug. 14.
Ward, Albert F., assignor to The Edgerton Manufacturing Co., Plymouth, Ind. Basket liner. 1,464,671; Aug. 14.
Ward, Henry A. W., Lower Hutt, Wellington, New Zealand. Holder for bottles. 1,464,789; Aug. 14.
Ward, Henry A. W., Lower Hutt, Wellington, New Zealand. Bottle holder. 1,464,790; Aug. 14.
Warner, Eleanor A., St. Paul, Minn. Vanity box. 1,464,552; Aug. 14.
Warner, William Deshler. (See Fairchild, Horatio J., assignor.)
Warren, John J., Brownville, N. Y. Apparatus for grinding wood pulp. 1,465,069; Aug. 14.
Wasseth, Michael, New Haven, Conn. Combination tool. 1,465,009; Aug. 14.
Wayne, Herbert N., Los Angeles, Calif. Embedding cords in rubber. 1,464,632; Aug. 14.
Webb, John W., Chicago, Ill. Signaling device. 1,464,894; Aug. 14.
Webber, William. (See Benjamin, B. R., Webber, and Pearson.)
Webber, William, La Grange, assignor to International Harvester Company, Chicago, Ill. Driving mechanism. 1,464,736; Aug. 14.
Weeks, Elling O., assignor of one-half to J. A. Stransky, Chicago, Ill. Radiator. Re15,676; Aug. 14.
Weichold, Charles, jr., Cincinnati, Ohio. Lock nut. 1,464,591; Aug. 14.
Weinberger, Harry, New York, N. Y. Shoe heel. 1,464,737; Aug. 14.
Weingarten, Harry. (See Burchess, Herman, assignor.)
Weinle, George. (See Rowe, Reuel S., and Weinle.)
Weisinger, Heimi, New York, N. Y. Lady's felt slipper. Des. 62,874; Aug. 14.
Weiss, Carl E., Nuremberg, Germany. Gun, pistol, and the like. 1,464,895; Aug. 14.
Wellman-Seaver-Morgan Company, The. (See Case, Arthur F., assignor.)
West Virginia Rail Company, The. (See Diehl, Herman H., assignor.)
Western Electric Company. (See Lundell, Alben E., assignor.)
Western Electric Company. (See Polinkowsky, Lipa, assignor.)
Western Electric Company. (See Vennes, Harald J., assignor.)
Westinghouse Air Brake Company, The. See Farmer, Clyde C., assignor.)
Westinghouse Electric and Manufacturing Company. (See Colby, O. A., and Reed, assignors.)
Westinghouse Electric & Manufacturing Company. (See Colby, Oro A., assignor.)
Westinghouse Electric & Manufacturing Company. (See Fortescue, Charles L., assignor.)
Westinghouse Electric & Manufacturing Company. (See McGivern, James P. L., assignor.)
Westinghouse Electric & Manufacturing Company. (See Read, Ernest K., assignor.)
Westinghouse Electric & Manufacturing Company. (See Schaacke, W., and Miller, assignors.)
Westinghouse Gear & Dynameter Company, The. (See Macalpine, John H., assignor.)
Westinghouse Lamp Company. (See Lederer, Anton, assignor.)
Westinghouse Lamp Company. (See Snyder, Augustus E., assignor.)
Wethern, Charles, Eau Claire, Wis. Automobile tire-chain tightener. 1,464,553; Aug. 14.
Wherry, John A., New Orleans, La., assignor to Underwood Typewriter Company, New York, N. Y. Typewriting machine. 1,465,242; Aug. 14.
White, Florence A., administratrix. (See White, Thomas H.)
White, John C., Bowling Green, Ohio. Antifriction insert for leaf springs. 1,465,197; Aug. 14.
White, Phillip A., Long Island City, N. Y. Demountable split rim. 1,465,070; Aug. 14.
White, Thomas H., deceased, by F. A. White, administratrix, Thornton Heath, England, assignor of one-fourth to C. G. Trosien, Pontiac, and one-fourth to E. J. Stoddard Highland Park, Mich. Device for setting calipers. 1,465,106; Aug. 14.
Whitlock, E. D., et al. (See Whitlock, Ralph G., assignor.)
Whitlock, M. H., et al. (See Whitlock, Ralph G., assignor.)
Whitlock, Ralph G., assignor to E. D. Whitlock and M. H. Whitlock, Los Angeles, Calif. Loose-leaf book. 1,464,791; Aug. 14.
Whittemore, Bennie, assignor of one-half to A. C. Erickson, Albert Lea, Minn. Road drag and grader. 1,464,672; Aug. 14.
Whittingham, George H., trustee. (See Bohart, George S., assignor.)
Wickel, Katharina, geb. Holocek, Feucht, near Nuremberg, Germany. Manufacture of metal-coated paper. 1,465,107; Aug. 14.
Wickwire, James W., Wollaston, and C. E. Burns, Malden, assignors, by mesne assignments, to Edson Manufacturing Corporation, Boston, Mass. Pumping unit. 1,465,032; Aug. 14.
Wiedeman, Henry E. (See Murphy, P. W., and Wiedeman.)
Wierth, Frederick O. (See Bauer, W. J. Wierth, and Meadoff.)
Wierth, Harold C., Brooklyn, N. Y. Baking pan. 1,464,792; Aug. 14.
Wikander, Oscar R., Glen Ridge, N. J., assignor to Worthington Pump and Machinery Corporation, New York, N. Y. Valve. 1,464,837; Aug. 14.
Wilcox, Frederick E., and J. W. Funk, Hanover, Pa. Dirigible-headlight mechanism for automobiles. 1,464,673; Aug. 14.
Wilhelm, Henry, Brooklyn, N. Y. Primary battery and making the same. 1,464,838; Aug. 14.
Willamette Iron and Steel Works. (See Claypoole, Albert, assignor.)
Williams, Charles J., and T. Skinner, Thermopolis, Wyo. Spring-forming device. 1,465,152; Aug. 14.
Williams, Leslie E., Wichita Falls, assignor of one-half to C. Allday, Petrolia, Tex. Changeable-letter sign. 1,465,198; Aug. 14.
Williams, Oscar, Kansas City, Mo. Combination bag turner and counter. 1,465,199; Aug. 14.
Williams, Percy J., San Francisco, Calif. Accelerator. 1,464,858; Aug. 14.
Williams, William A., assignor to The North British Rubber Company Limited, Edinburgh, Scotland. Rubber paving and flooring block or slab. 1,465,033; Aug. 14.
Williamson, Romeo L., Columbus, Ohio. Lubricating attachment for vehicle springs. 1,464,688; Aug. 14.
Willcox, Frederick H. (See Eaton, W., and Willcox.)
Willems, Enrique G., Santiago, Chile. Concentrator. 1,464,793; Aug. 14.

Willys-Morrow Company, The. (See Jordan, Benjamin H., assignor.)
Willys-Morrow Company, The. (See Lutz, Hans, assignor.)
Willys-Overland Company, The. (See Belden, Edward H., assignor.)
Willys-Overland Company, The. (See King, Fred B., assignor.)
Winn, Albert F. (See Hubbard, J. C., and Winn.)
Winther, Christian W., Fresno, Calif. Punching machine. 1,464,961; Aug. 14.
Wire Wheel Corporation of America. (See House, Henry A., jr., assignor.)
Withrow, Floyd G., and A. M. Walker, Grand Rapids, Mich. Detachable engine crank. 1,464,794; Aug. 14.
Witte, John, Ferguson, Mo. Gear-shift lock. 1,464,859; Aug. 14.
Wood Equipment Company. (See Simpson, George N., assignor.)
Woodward Automatic Control Corporation. (See Woodward, Garrett W., assignor.)
Woodward, Garrett W., assignor, by mesne assignments, to Woodward Automatic Control Corporation, Chicago, Ill. Automatic control mechanism. 1,464,962; Aug. 14.
Woodward, Irving C., Syracuse, N. Y. Differential-gear control mechanism. 1,464,795; Aug. 14.
Worthington Pump and Machinery Corporation. (See Grace, John F., assignor.)
Worthington Pump and Machinery Corporation. (See Wikander, Oscar R., assignor).
Wright, Clarence A. (See Balch, A. T., and Wright.)
Wright, Franklin J., Oakland, and J. L. Baker, Bakersfield, Calif. Standing-valve attachment for oil pumps. 1,464,796; Aug. 14.

Yasuda, Zenichi, Santo Barbara, Calif. Headlight shield. 1,464,860; Aug. 14.
Yates, Arthur E., Flintstone, Ga. Sack turning and measuring machine. 1,465,200; Aug. 14.
Young, George R., Huntington, N. Y., assignor, by mesne assignments, to Young Sand and Gravel Corporation, New York, N. Y. Separating. 1,465,010; Aug. 14.
Young Sand and Gravel Corporation. (See Young, George R., assignor.)

Zachry, Walter H., Atlanta, Ga. Detachable handle for brooms. 1,464,896; Aug. 14.

ALPHABETICAL LIST OF INVENTIONS

FOR WHICH

PATENTS WERE ISSUED ON THE 14TH DAY OF AUGUST, 1923.

NOTE.—Arranged in accordance with the first significant character or word of the name (in accordance with city and telephone directory practice). **Includes patents, reissues, and designs.**

Accelerator. P. J. Williams. 1,464,858; Aug. 14.
Accounting machines, Counter attachment for. N. C. Ovaitt. 1,464,683; Aug. 14.
Adjusting device. J. H. Stern. 1,465,065; Aug. 14.
Advertising device. W. P. Hartsock. Des. 62,865; Aug. 14.
Aeroplanes, Trip-recording compass for. J. L. Klemme. 1,464,943; Aug. 14.
Agricultural machine. C. B. Rowland. 1,464,541; Aug. 14.
Air brake. G. D. and L. W. Breck and J. Schmauss. 1,464,640; Aug. 14.
Air cleaner. A. C. Bennett. 1,464,741; Aug 14.
Aircraft, Balancing system for. J. P. Tarbox. 1,464,784; Aug. 14.
Airplane. W. B. Stout. 1,464,670; Aug. 14.
Airships, Housing method for. L. Lemm. 1,465,246; Aug. 14.
Alarm: *See*—
  Drip-pan alarm.
Ammonium nitrate and aluminum hydroxide, Producing. A. Foss and T. Mejdell. 1,464,984; Aug. 14.
Amusement apparatus. W. S. Totbill. 1,465,067; Aug. 14.
Animal trap. B. Connolly. 1,464,697; Aug. 14.
Animal trap. F. H. Crago. 1,464,748; Aug. 14.
Animal trap. R. Heddle and R. Qua. 1,464,872; Aug. 14.
Ankle and arch support, Fashioned. A. Posner. 1,465,233; Aug. 14.
Apron. S. Spero. 1,464,546; Aug. 14.
Arbor, Expanding. A. Urquhart. 1,464,551; Aug. 14.
Arch support. W. N. Barrett. 1,464,841; Aug. 14.
Arm, Artificial. T. Burgan. 1,464,842; Aug. 14.
Automobile curtain. R. K. Thomson. 1,464,549; Aug. 14.
Automobile ignition switches, Guard for. W. S. Rose. 1,464,854; Aug. 14.
Automobile mirror bracket and joint. S. Feinberg. 1,465,213; Aug. 14.
Automobile signal. J. B. Mulholland. 1,464,579; Aug. 14.
Automobile signal system. W. L. Ingram. 1,464,531; Aug. 14.
Automobile steering device, Joint for. D. Lumsden. 1,465,140; Aug. 14.
Automobiles, External contracting brake for. H. S. Peed. 1,464,617; Aug. 14.
Automobiles, Thief trap for. A. Dawer. 1,464,751; Aug. 14.
Axle steering knuckle. T. W. Conner. 1,464,901; Aug. 14.
Axle-truing machine. T. J. Hadden. 1,464,760; Aug. 14.
Bag. D. Traum. 1,465,195; Aug. 14.
Bag-handle-attaching device. J. Vandenberg. 1,464,516; Aug. 14.
Bag turner and counter, Combination. O. Williams. 1,465,199; Aug. 14.
Baking pan. H. C. Wierth. 1,464,792; Aug. 14.
Ball-rolling apparatus. F. M. Canda. 1,465,208; Aug. 14.
Bands, Protective device for jointed ends of. F. Barth. 1,464,800; Aug. 14.
Barrel agitator. E. G. Frelinger. 1,464,701; Aug. 14.
Barrel construction. S. W. Forsman. 1,464,869; Aug. 14.
Baseball players, Handband or protector for. E. Kobbe. 1,465,223; Aug. 14.
Basket and post thereof, Wire. L. G. Beers. 1,464,801; Aug. 14.
Basket liner. A. F. Ward. 1,464,671; Aug. 14.
Battery and making the same, Primary. H. Wilhelm. 1,464,838; Aug. 14.
Battery box. D. Finley. 1,464,868; Aug. 14.
Battery-testing instrument. C. W. Terry. 1,464,594; Aug. 14.
Bead cap, Interrupted. G. Ramsey. 1,464,584; Aug. 14.
Bearing, Antifriction. F. M. Slater. 1,464,666; Aug. 14.
Bearing extractor. E. P. Campbell. 1,464,693; Aug. 14.
Bearing material and making same. R. G. Guptill. 1,464,569; Aug. 14.
Bed, Folding. J. Haugland. 1,464,605; Aug. 14.
Bed, Operating. F. J. Ploudke. 1,464,661; Aug. 14.
Bedsprings, Link fabric for. J. Schwartzman. 1,464,834; Aug. 14.
Belt, Garment-supporting. E. V. Bowe. 1,464,744; Aug. 14.
Belts, Seam for woven-wire. H. Lindsay. 1,464,946–8; Aug. 14.
Bevel-cutting machine. V. Mayer. 1,464,613; Aug. 14.
Binder, Motor. B. R. Benjamin, W. Webber, and C. Pearson. 1,464,740; Aug. 14.
Bit clamp. B. F. Davis. 1,464,750; Aug. 14.
Bituminous emulsion. C. N. Forrest. 1,464,928; Aug. 14.
Boats' davits, Construction of. G. Rinesi. 1,465,025; Aug. 14.
Boilers, Means for regulating water circulation in water-tube. S. E. Diescher. 1,465,118; Aug. 14.
Bolts, etc., Pointing and shaving machine for. O. A. Smith. 1,464,957; Aug. 14.
Book, Check. J. J. O'Brien. 1,464,616; Aug. 14.
Book, Loose-leaf. R. G. Whitlock. 1,464,791; Aug. 14.
Boot, Lady's. J. Fenton. 1,464,981; Aug. 14.
Bottle holder. H. A. W. Ward. 1,464,789–90; Aug. 14.
Bottle holder, Sanitary. J. B. Morton. 1,464,578; Aug. 14.
Bottle washer. C. Hamann. 1,464,870; Aug. 14.
Box: *See*—
  Battery box.
  Cheese box.
  Film-transporting box.
  Ice box.
  Mail box.
  Shoe-polish box.
  Sound box.
  Sound-refining box.
  Telephone coin box.
  Vanity box.
Box cover, Detachable. F. G. Salerno. 1,464,508; Aug. 14.
Boxes, cases, etc., Composition for the manufacture of. R. de los Santos. 1,464,588; Aug. 14.
Brake: *See*—
  Air brake.
  Vehicle brake.
Brake-control mechanism. E. H. Belden. 1,464,920; Aug. 14.
Brake-operating device. H. F. Hardin. 1,464,761; Aug. 14.
Brake shoe. E. W. McDonald. 1,465,141; Aug. 14.
Brick-cleaning machine. J. Hoffmann. 1,465,132; Aug. 14.
Broaching apparatus. C. S. Amadon. 1,465,203; Aug. 14.
Broiler attachment. M. Schey. 1,465,061; Aug. 14.
Broom pressing and nailing machine, Combined. G. W. Duvall. 1,465,162; Aug. 14.
Brooms, Detachable handle for. W. H. Zachry. 1,464,896; Aug. 14.
Brush, Fountain. J. V. Huether. 1,465,220; Aug. 14.
Bucket, Collapsible. G. R. Stephens. 1,464,548; Aug. 14.
Bucket, Dredge. J. E. Edwards. 1,465,163; Aug. 14.
Bucket, Grab. F. W. Lovell. 1,464,718; Aug. 14.
Buckle, Belt. D. S. Bears. 1,464,966; Aug. 14.
Buckle, Belt. L. F. Otten. 1,464,915; Aug. 14.
Building block and brick, Manufacture of. F. Cordery. 1,465,115; Aug. 14.
Building, Storage. C. Kehr. 1,465,135; Aug. 14.
Bumper. C. Girl, W. E. Dunston, and J. G. Utz. 1,464,603; Aug. 14.
Bumper and theft indicator, Combined parking. L. W. Nobles. 1,465,245; Aug. 14.
Bung. H. L. G. Gerstenberger. 1,464,523; Aug. 14.
Burner: *See*—
  Gas burner.
  Kiln oil burner.
  Oil burner.
Burners, Heat distributor for orchard. W. O. McClintock. 1,464,913; Aug. 14.
Bushing, Guide. O. R. Briney. 1,465,209; Aug. 14.
Bushing, Guide. O. R. Briney. 1,465,236; Aug. 14.
Bushing remover and replacer. H. E. Gardner, jr. 1,465,124; Aug. 14.
Bushings, Locking means for guide. O. R. Briney. 1,465,181; Aug. 14.
Buttonhole-cutting machine. A. S. Goldstein. 1,465,039; Aug. 14.
Cabinet. J. F. Kuklinski. Des. 62,867; Aug. 14.
Cabinet. W. Rimke. 1,465,178; Aug. 14.
Cabinets, Sink for kitchen. S. W. Brack. 1,464,638; Aug. 14.
Cable clamp. J. R. Kearney. 1,464,940; Aug. 14.
Calculating machines, Zerolzing means for the curve disks of. K. V. Rudin. 1,464,778; Aug. 14.
Calipers, Device for setting. T. H. White. 1,465,106; Aug. 14.
Cam-grinding apparatus, Uniformly-driven. A. Turner. 1,465,068; Aug. 14.
Cam plates to cam shafts, Means for removably securing. E. E. Talbot. 1,464,589; Aug. 14.
Can: *See*—
  Oil can.

Can ends and mechanism therefor, Lining. W. J. Towle. 1,465,102; Aug. 14.
Canning device. I. Rancadore and L. Pecoraro. 1,464,829; Aug. 14.
Capping machine, Paper-can-. J. W. Holt. 1,464,654; Aug. 14.
Car construction and door-locking mechanism therefor, Dump-. A. Campbell. 1,464,746; Aug. 14.
Car door, Box-. M. H. Hubner. 1,464,936; Aug. 14.
Car-door lock. R. Murray. 1,465,088; Aug. 14.
Car-holding mechanism. G. N. and A. M. Simpson. 1,465,006; Aug. 14.
Car lock. A. Klein. 1,465,136; Aug. 14.
Car-unloading apparatus. G. N. Simpson. 1,465,005; Aug. 14.
Carrier: *See*—
  Match carrier.
Cars and the like, Apparatus for preventing the bursting by freezing of radiators for motor. G. E. Jonsson. 1,465,134; Aug. 14.
Cars, Corrugated steel end for gondola. W. E. Van Dorn. 1,464,517; Aug. 14.
Cars, Steel end for gondola. W. E. Van Dorn. 1,464,518; Aug. 14.
Carburetor. E. A. Johnston. 1,464,713; Aug. 14.
Carburetor-control device. H. J. Fairchild. 1,464,601; Aug. 14.
Card or placard holder. J. C. Hubbard and A. F. Winn. 1,465,219; Aug. 14.
Carriage, Collapsible baby. M. S. Dunkelberger. 1,465,211; Aug. 14.
Carton. A. E. Snyder. 1,464,835; Aug. 14.
Cartridge holder. N. C. Keely. 1,464,659; Aug. 14.
Case: *See*—
  Egg case.
  Shipping case.
Caster. J. A. Johnson. 1,465,044; Aug. 14.
Casting. J. A. Dewire. 1,465,116; Aug. 14.
Ceramic swimming-pool structures, Protecting. J. F. Booraem. 1,464,804; Aug. 14.
Chain links, Interlocking. J. G. Balcerwicz. 1,464,919; Aug. 14.
Chandelier. J. Pankratz. Des. 62,866; Aug. 14.
Charcoal and apparatus therefor, Producing. S. Hiller and L. A. Clarke. 1,465,131; Aug. 14.
Charcoal, Cooling and stabilizing. O. F. Stafford. 1,464,732; Aug. 14.
Chart, Lecturer's. L. P. Denoyer. 1,464,753; Aug. 14.
Checks, Safety device for. H. K. Stolberg. 1,465,099; Aug. 14.
Cheese box, Reinforced. R. L. Frome. 1,464,651; Aug. 14
Chemical reactions, Apparatus for producing. C. R. Downs and C. G. Stupp. 1,464,845; Aug. 14.
Chloridizing volatilization process, Wet. H. R. Layng. 1,465,138; Aug. 14.
Churn. A. E. Hendricks. 1,464,873; Aug. 14.
Churn. J. V. M. Risberg. 1,465,179; Aug. 14.
Cigarette extinguisher C. F. Pratt. 1,464,998; Aug. 14.
Circuit control, Automatic light-. T. Wakefield, sr. 1,464,788; Aug. 14.
Circuit controller. D. W. Richards. 1,464,626; Aug. 14.
Clamp: *See*—
  Bit clamp.
  Cable clamp.
Cleaner: *See*—
  Air cleaner.
  Fruit cleaner.
  Windshield cleaner.
Clock. M. H. Kern. 1,465,045; Aug. 14.
Clock, Chime and strike. W. E. Porter. 1,465,090; Aug. 14.
Clothes stick, Laundry. A. S. Pratt. 1,465,175; Aug. 14.
Clothesline support and protector. C. A. Tilly and P. J. McGuire. 1,464,958; Aug. 14.
Clothesrack. M. Feldman. 1,464,904; Aug. 14.
Clutch pedal. E. S. Grafenstatt. 1,464,905; Aug. 14.
Coats and making the same. W. R. Mestice. 1,464,880; Aug. 14.
Cobalt and chromium, Electrodepositing. H. C. Peffer and H. C. Pierce. 1,465,173; Aug. 14.
Coin-controlled lock. D. C. Morgan. 1,465,052; Aug. 14.
Collapsible screen. I. E. King. 1,464,876; Aug. 14.
Collar holder. G. A. Johnson. 1,464,658; Aug. 14.
Combination tool. M. Wasseth. 1,465,009; Aug. 14.
Combing machines, Swinging nippers in flat. E. H. Heinrich. 1,464,820; Aug. 14.
Combs and other toothed articles, Method of and apparatus for manufacturing. H. Schelhammer. 1,464,664; Aug. 14.
Concentrating solutions, Apparatus for. E. Monti. 1,465,020; Aug. 14.
Concentrator. E. G. Willems. 1,464,793; Aug. 14.
Concrete building. J. F. Matthews. 1,465,166; Aug. 14.
Concrete floors and slabs, Means for holding reenforcing fabrication of. C. H. Snyder. 1,464,886; Aug. 14.
Concrete form. W. S. Dunham. 1,464,600; Aug. 14.
Concrete structures, Making. R. G. Kirton. 1,465,222; Aug. 14.
Conducting cords. Reel for. F. J. Spuehler. 1,464,631; Aug. 14.
Containers, Attachment for liquid. A. Krause. 1,465,013; Aug. 14.
Containers, Closure member for liquid. A. E. Bronson and J. J. Bowes, jr. 1,464,692; Aug. 14.
Control mechanism, Automatic. G. W. Woodward. 1,464,962; Aug. 14.
Conveyer and leer-charging mechanism. W. O. Amsler. 1,464,554; Aug. 14.
Conveyer apparatus. T. Brady. 1,465,155; Aug. 14.
Cooking utensil. J. Barabas. 1,464,965; Aug. 14.
Coop, Chicken. J. W. Pottenger. 1,464,581; Aug. 14.
Copper, Electrolytic deposition of. F. L. Antisell. 1,465,034; Aug. 14.
Corn-husking machines, Snapping mechanism for. C. Dueker. 1,464,564; Aug. 14.
Corn popper and peanut roaster. G. French. 1,464,567; Aug. 14.
Corset. M. Von Halle. 1,465,104–5; Aug. 14.
Cotton gin. G. E. Evans. 1,464,810–1; Aug. 14.
Coupling: *See*—
  Pipe coupling.
Crank, Detachable engine. F. G. Withrow and A. M. Walker. 1,464,794; Aug. 14.
Crimping tool. F. B. King. 1,464,942; Aug. 14.
Crushing machine. D. J. Nevill. 1,464,536; Aug. 14.
Cuffs, Fastening device for. A. L. Thornton. 1,464,891; Aug. 14.
Cup: *See*—
  Teat cup.
Current strength, Apparatus for the finely-graduated regulation of a. R. Förster. 1,465,214; Aug. 14.
Cutter: *See*—
  Rotary cutter.
Cutting and transporting mechanism, Blank. A. J. Evers and H. J. Sauvage. 1,464,649; Aug. 14.
Cutting machine. H. Brunken. 1,465,113; Aug. 14.
Cylinder-reboring device. A. Perry. 1,464,916; Aug. 14.
Dairying appliance. B. A. Harris. 1,464,677; Aug. 14.
Dates, Method of and apparatus for separating. A. W. Stott. 1,464,511; Aug. 14.
Davenport. E. R. Brainerd. 1,464,900; Aug. 14.
Decorating roll. M. Suhr. 1,464,512; Aug. 14.
Dental casting machine. S. L. Jefferies. 1,464,656–7; Aug. 14.
Dental instrument. M. J. Clark. 1,464,807; Aug. 14.
Denture, Removable. H. E. S. Chayes. 1,464,644; Aug. 14.
Derail. S. W. Hayes. 1,464,606–7; Aug. 14.
Derricks, Apparatus for removing. G. G. Prendergast. 1,464,582; Aug. 14.
Desk-pad file. A. R. Hager. 1,465,244; Aug. 14.
Diesel engine. P. Hentschke. 1,464,906; Aug. 14.
Disk records and the like, Convertible cabinet for. E. H. Hand. 1,464,932; Aug. 14.
Disk wheel structure. W. B. Allison. 1,464,917; Aug. 14.
Dispensing apparatus. E. A. Vonde Veld. 1,464,893; Aug. 14.
Dispensing device. J. C. Kirk. 1,464,877; Aug. 14.
Display and advertising apparatus. E. Brunhoff. 1,464,597; Aug. 14.
Display apparatus. J. C. Thomas. 1,464,515; Aug. 14.
Doll nursing-bottle cover, protector, and heat preserver, Combination rag-. S. F. Girr. 1,464,525; Aug. 14.
Drag and grader, Road. B. Whittemore. 1,464,672; Aug. 14.
Drapery support. F. A. Peters. 1,464,619; Aug. 14.
Drawing apparatus. A. F. L. W. Dargue. 1,464,973; Aug. 14.
Drill bits, Rotation sleeve for. W. Stephens. 1,465,008; Aug. 14.
Drills, Adjustable arm for multiple-spindle. J. M. Rusnak. 1,464,542; Aug. 14.
Drip-pan alarm, Repeating. W. E. Denis. 1,464,752; Aug. 14.
Driving mechanism. D. C. Stoppenback. 1,464,684; Aug. 14.
Driving mechanism. W. Webber. 1,464,736; Aug. 14.
Drums and the like made of multiply material and making the same, Wall for. H. W. Hall. 1,465,215; Aug. 14.
Drying apparatus. D. S. Baker. 1,465,071; Aug. 14.
Drying form. L. W. Reeps. 1,464,539; Aug. 14.
Dye and making the same. G. S. Bohart. 1,464,802; Aug. 14.
Dyeing. G. S. Bohart. 1,464,803; Aug. 14.
Dyestuffs, Production of vat. L. C. Daniels. 1,464,598; Aug. 14.
Earth and fertilizer, Apparatus for mixing and breaking up. N. J. Kemp. 1,464,621; Aug. 14.
Edge-finishing machine. J. Fossa. 1,464,504; Aug. 14.
Egg carton. W. D. Oglesby. 1,465,231; Aug. 14.
Egg case, Foldable. L. H. Park. 1,465,145; Aug. 14.
Egg cases, Cushion for. L. Schwartzberg. 1,464,628; Aug. 14.
Egg lifter. V. Beauregard. 1,464,967; Aug. 14.
Electric-candle wall bracket. F. M. Poritz. Des. 62,868; Aug. 14.
Electric furnace. C. A. Cadwell. 1,464,496; Aug. 14.
Electric furnace. M. Sauvageon. 1,464,543; Aug. 14.
Electric heating appliance of the immersed-element type. W. Stubbs. 1,464,782; Aug. 14.
Electric machine. F. Holden. 1,465,081; Aug. 14.
Electric motor. G. H. Leland. 1,464,911; Aug. 14.
Electric outlet boxes, Canopy for. C. E. Bowers. 1,464,637; Aug. 14.
Electric wall-bracket plate. F. M. Poritz. Des. 62,869; Aug. 14.
Electrolyte for aluminum production and preparing same. A. Pacz. 1,464,625; Aug. 14.
Electrolyte level indicator. R. Simpson. 1,464,510; Aug. 14.
Electrolytic apparatus. W. G. Allan. 1,464,840; Aug. 14.

Electrolytic cell structures. W. G. Allan. 1,464,689; Aug. 14.
Electrolytic process. J. S. Groff. 1,464,506; Aug. 14.
Elevator-door-lock-control mechanism. W. H. Hartman. 1,464,871; Aug. 14.
Engine: *See*— Internal-combustion engine.
Diesel engine.
Engine. C. W. Mott. 1,464,996; Aug. 14.
Engine-crank-case lubricant supplying and governing device. C. D. Duncan. 1,464,599; Aug. 14.
Engine-starting apparatus. A. A. Kent. 1,464,714; Aug. 14.
Engines, Feed fuel for explosion. W. E. Walden. 1,464,592; Aug. 14.
Engines, Governor for elastic-fluid. D. C. Prince. 1,465,091; Aug. 14.
Engines, Hydraulic governor for hydrocarbon. W. W. Wakelee. 1,464,960; Aug. 14.
Engines, Locating knocks in explosive. E. A. Hammett. 1,464,817; Aug. 14.
Engines, System of lubricating gas. E. O. Sterns. 1,464,733; Aug. 14.
Engines, Thermostatic heat control for internal-combustion. J. R. Francis. 1,464,759; Aug. 14.
Engines, Vaporizer for internal-combustion. R. J. Berard. 1,464,899; Aug. 14.
Envelope, Record coupon. A. E. Lindenschmidt. 1,464,912; Aug. 14.
Excavating, dumping, and spreading machinery. T. Seevers. 1,465,186; Aug. 14.
Explosive. W. O. Snelling. 1,464,667; Aug. 14.
Extractor: *See*— Gas extractor.
Bearing extractor.
Fabric and making same. E. F. King. 1,464,715; Aug. 14.
Fabric, Making an unwoven. R. B. Respess. 1,465,093; Aug. 14.
Fastener. F. S. Carr. 1,464,695; Aug. 14.
Fastener. P. T. C. Dumais. 1,464,976; Aug. 14.
Faucet. H. G. Cordley. 1,464,561; Aug. 14.
Faucet, Reciprocating plug. H. G. Cordley. 1,464,562; Aug. 14.
Feed chutes, Apparatus for clearing intermediate. J. Meinecke. 1,464,914; Aug. 14.
Feed mill. A. M. Dellinger. 1,465,074; Aug. 14.
Feed-water regulator. G. W. Stetson. 1,464,669; Aug. 14.
Feeding device, Sheet-. G. Spiess. 1,464,668; Aug. 14.
Fiber-opening machine. J. B. Reber. 1,465,235; Aug. 14.
Fibers, films, leather, and the like and making the same, Composition for use in manufacturing artificial. R. J. Löffler. 1,464,949; Aug. 14.
Fibrous stock and method of cleaning fibrous stock, Cleaner for. W. S. Kinsley. 1,465,047; Aug. 14.
Filing cabinet, Scale-ticket. G. C. Hoadley. 1,464,934; Aug. 14.
Filing device. W. A. Ringler. 1,464,833; Aug. 14.
Film-spool carriage. C. Bornmann. 1,464,558; Aug. 14.
Film-transporting box. L. F. Andres. 1,465,204; Aug. 14.
Filter. J. W. Bucher. 1,465,156; Aug. 14.
Filter presses, Sluicing mechanism for. S. J. Misener. 1,464,953; Aug. 14.
Fire escape, Portable. C. Sago. 1,465,182; Aug. 14.
Fire extinguisher. G. T. Pearsons. Re15,673; Aug. 14.
Fire extinguisher, Automatic self-contained. M. F. Hayes. 1,465,129; Aug. 14.
Firearm. J. M. Browning. 1,464,864; Aug. 14.
Fish cooler and carrier. A. L. Boggs. 1,465,110; Aug. 14.
Fishhook. W. D. Hanson. 1,464,571; Aug. 14.
Fishing. N. A. Lybeck. 1,464,623; Aug. 14.
Fishing reel. S. G. Russell and E. D. Clickner. 1,464,587; Aug. 14.
Flash light and battery therefor. G. W. Heise and H. H. Thompson. 1,464,573; Aug. 14.
Flatiron lifter, Automatic. M. F. Gorman. 1,465,077; Aug. 14.
Flavoring agent for beverages. L. Von Horst. 1,464,520; Aug. 14.
Floating frame. J. H. Magalpine. 1,464,624; Aug. 14.
Flue stopper. A. A. Miller. 1,465,228; Aug. 14.
Flying machines, Controlling mechanism for. R. E. Mitton. 1,464,852; Aug. 14.
Folder and fastener therefor. L. W. Karlen. 1,464,766; Aug. 14.
Foot-arch support. N. V. Levitt. 1,464,994; Aug. 14.
Footplate, Running-board. J. F. Brown. 1,464,970; Aug. 14.
Forceps, Stitching. T. B. Richardson. 1,464,832; Aug. 14.
Forging machine. J. Ditson and M. S. Parkhill. 1,464,755; Aug. 14.
Fountains and the like, Bowl connection for drinking. W. E. Field. 1,464,927; Aug. 14.
Frequency changer. C. L. Fortescue. 1,464,503; Aug. 14.
Fruit cleaner. J. A. Reuter. 1,464,775; Aug. 14.
Fruit cutting and pitting mechanism. J. Turner. 1,464,836; Aug. 14.
Fuel-feed system. C. T. Stewart. 1,465,189; Aug. 14.
Furnace: *See*— Electric furnace. Household furnace.
Furnace. J. A. Flemings and E. B. Priebe. 1,465,037; Aug. 14.
Furnace-casing ring. C. M. Buller. 1,464,971; Aug. 14.
Furnace resistor mounting, Electric-. O. A. Colby. 1,464,499; Aug. 14.
Fuse cartridge. F. A. Feldkamp. 1,464,902; Aug. 14.
Fuse, Electric. F. A. Feldkamp. 1,464,903; Aug. 14.
Galley bar and proof. C. T. Kammeyer. 1,465,082; Aug. 14.
Game. M. M. Di Luchio. 1,465,160; Aug. 14.
Game device. A. Plochocki. 1,464,537; Aug. 14.
Garment protector. J. G. Dupont. 1,465,076; Aug. 14.
Gas burner. W. M. Kimberlin. 1,464,909; Aug. 14.
Gas extractor. G. Domowicz. 1,464,647; Aug. 14.
Gas heater. A. H. Humphrey. 1,464,609; Aug. 14.
Gas meter. J. W. Danaher. 1,464,972; Aug. 14.
Gas-tight test rod. W. Eaton and F. H. Willcox. 1,464,738; Aug. 14.
Gaskets and applying the same to can ends or other closures, Machine for forming. W. J. Towle. 1,465,101; Aug. 14.
Gasoline systems, Purifier for. O. H. Justus. 1,464,822; Aug. 14.
Gauge. A. Albo and V. Masellis. 1,464,839; Aug. 14.
Gauging machine. B. H. Jordan. 1,464,938; Aug. 14.
Gear. N. Trbojevich. 1,465,149; Aug. 14.
Gear control mechanism, Differential-. I. C. Woodward. 1,464,795; Aug. 14.
Gear-shift lock. J. Witte. 1,464,859; Aug. 14.
Gears, Forming spiral bevel. N. Trbojevich. 1,465,150; Aug. 14.
Gearing, Bevel-gear transmission. D. E. Ross. 1,464,777; Aug. 14.
Geometrical instrument. B. Bartholomew. 1,464,633; Aug. 14.
Glasses and the like, Holder for. J. Green. 1,464,652; Aug. 14.
Golf club. E. R. Phelan. 1,465,056; Aug. 14.
Golf club. S. T. Thorpe. 1,464,550; Aug. 14.
Goods container. C. C. Morrison. 1,464,827; Aug. 14.
Governor. H. P. Dahlstrand. 1,464,749; Aug. 14.
Grain, Apparatus for washing, husking, and polishing wet. S. Steinmetz. 1,464,547; Aug. 14.
Grain separator. E. Anderson. 1,464,491; Aug. 14.
Grease retainer. S. R. Morden. 1,464,770; Aug. 14.
Grinder. E. Bockshe. 1,464,595; Aug. 14.
Grinder. G. S. Dey. 1,465,117; Aug. 14.
Grinder, Portable. C. R. Ross. 1,464,728; Aug. 14.
Grinding machine. H. Lutz. 1,464,950; Aug. 14.
Grinding-wheel-truing device. V. M. Tuthill. 1,464,959; Aug. 14.
Gun, Air. G. B. Keil. 1,464,610; Aug. 14.
Gun, Gopher. R. F. Armstrong. 1,464,861; Aug. 14.
Gun, pistol, and the like. C. E. Weiss. 1,464,895; Aug. 14.
Gun sight. C. A. Nelson. 1,464,615; Aug. 14.
Gun, Spray. L. L. Tirrell. 1,465,194; Aug. 14.
Guns, Fire-control apparatus for naval. J. B. Henderson. 1,464,608; Aug. 14.
Hair crimper and curler. F. H. Griffith. 1,465,127; Aug. 14.
Hair curler. A. C. Heathcote. 1,465,216; Aug. 14.
Hammer, Electric. G. L. Kollock and R. P. Martin. 1,464,824; Aug. 14.
Hammer, Pneumatic. E. Curti. 1,464,809; Aug. 14.
Hammer, Pneumatic. E. Von Leesen. 1,464,787; Aug. 14.
Hammer, Riveting, chiseling, and rock-drilling. R. A. Hage. 1,464,570; Aug. 14.
Hand shield. M. W. Holcomb. 1,464,529; Aug. 14.
Hanger: *See*— Track hanger.
Harrow. A. R. Stahl. 1,465,188; Aug. 14.
Harvester. W. A. Stewart. 1,465,190; Aug. 14.
Harvesters, Operating mechanism for. A. Como. 1,464,808; Aug. 14.
Hatrack. J. T. Smith. 1,465,026; Aug. 14.
Headlight and direction indicator for automobiles, Adjustable. J. E. Emond. 1,465,164; Aug. 14.
Headlight, Individually-operable. R. A. Summers. 1,465,192; Aug. 14.
Headlight mechanism for automobiles, Dirigible. F. E. Wilcox and J. W. Funk. 1,464,673; Aug. 14.
Headlight shield. Z. Yasuda. 1,464,860; Aug. 14.
Heat-exchanging apparatus. J. C. Goosmann. 1,464,705; Aug. 14.
Heat-insulating articles, Manufacture of. J. H. Delany. 1,464,698; Aug. 14.
Heat regenerator. H. J. F. Philipon. 1,464,580; Aug. 14.
Heater: *See*— Gas heater. Water heater.
Hot-air heater.
Heater. J. T. Collins. 1,464,560; Aug. 14.
Heater for oil wells and the like, Electric. R. S. Pershing. 1,464,618; Aug. 14.
Heating element. L. J. Fuller. 1,464,703; Aug. 14.
Heating system. E. L. Richardson. 1,465,095; Aug. 14.
Heel, Shoe. H. Weinberger. 1,464,737; Aug. 14.
Heels, Machine for operating upon. F. J. Balcom. 1,464,555; Aug. 14.
Hitch. R. E. Classon. 1,465,158; Aug. 14.
Hitch. F. M. Morris. 1,465,168; Aug. 14.
Hob. N. Trbojevich. 1,465,151; Aug. 14.
Hook: *See*— Logging hook. Rim connecting hook.
Hot-air heater. F. T. Spencer and A. and C. G. Jamison. 1,464,545; Aug. 14.

Household furnace. R. S. Twogood. 1,464,892; Aug. 14.
Hub-cap-locking device. L. Fine. 1,464,812; Aug. 14.
Hydraulic shock absorber. M. D. Taylor. 1,464,686; Aug. 14.
Hydrocarbon motor. E. G. Gunn. 1,464,568; Aug. 14.
Hydrocarbons, Apparatus for treating. B. Andrews. 1,464,918; Aug. 14.
Ice box. A. Breen. 1,464,641; Aug. 14.
Ice-cream cabinet. G. G. Peterson. 1,465,027; Aug. 14.
Ice scraper for rails. H. A. Berkowitz. 1,464,921; Aug. 14.
Impulse coupling. A. Rosner. 1,464,663; Aug. 14.
Indicator: *See*— Electrolyte-level indicator.
Indicators, Attachment for. L. A. Paine. 1,464,772; Aug. 14.
Ink. H. and W. C. Kruse. 1,464,944; Aug. 14.
Ink-distributing-drum-vibrating means. E. F. Dudley. 1,464,925; Aug. 14.
Insulators, Apparatus for shaping. L. C. Buckley. 1,465,157; Aug. 14.
Internal-combustion engine. E. O. Atwood. 1,465,154; Aug. 14.
Internal-combustion engine. J. J. Reinhold. 1,464,831; Aug. 14.
Internal-combustion motor. G. Hall-Bullock. 1,465,165; Aug. 14.
Iron: *See*— Soldering iron.
Jack. J. W. Moore. 1,464,881; Aug. 14.
Jack. M. D. Riker. 1,465,057; Aug. 14.
Kiln oil burner, Tunnel-. G. E. Irons. 1,465,011; Aug. 14.
Kite. H. B. Holtvoigt. 1,465,040; Aug. 14.
Ladder. G. L. Squire. 1,464,780; Aug. 14.
Lamp. A. L. Hansen. 1,464,988; Aug. 14.
Lamp and book end, Combined. E. Simmons. Des. 62,870; Aug. 14.
Lamp, Electric incandescent. A. Lederer. 1,464,826; Aug. 14.
Lamps, etc., Device or apparatus for avoiding the glare or dazzle emanating from. A. Reeves. 1,464,884; Aug. 14.
Lamp socket. C. Garcillan. 1,464,602; Aug. 14.
Lantern, Electric railway. P. J. Sloan. 1,464,855; Aug. 14.
Lantern. E. I. Blair. 1,464,743; Aug. 14.
Lathing, Wire. H. B. Greening. 1,464,706; Aug. 14.
Leather-finishing machines, Skin stop for. F. F. Slocomb. 1,464,885; Aug. 14.
Leather, Making artificial. R. B. Respess. 1,465,092; Aug. 14.
Lecithin from vegetable raw materials, Obtaining. H. Bollmann. 1,464,557; Aug. 14.
License-holder and illuminator, Combined. T. A. McCreanor. 1,465,084; Aug. 14.
License-plate holder and illuminator. C. D. Breitzke. 1,464,969; Aug. 14.
Lifter: *See*— Egg lifter. Record lifter.
Light by ophthalmic glass and the like, Apparatus for demonstrating or testing the transmission of. C. S. Pyser. 1,464,999; Aug. 14.
Lighting-fixture loop. H. Tepfer. Des. 62,871; Aug. 14.
Lighting-fixture arm. H. Tepfer. Des. 62,872–3; Aug. 14.
Lime-hydrating apparatus. H. Miscampbell. 1,464,722; Aug. 14.
Liner-treating device. J. Beard. 1,464,898; Aug. 14.
Liquid-dispensing machine. J. Frick. 1,465,122; Aug. 14.
Loading machine. F. Billings and R. Greenleaf. 1,464,742; Aug. 14.
Lock: *See*— Car lock. Nut lock.
Car-door lock. Steering-post lock.
Coin-controlled lock.
Lock handles, Producing. S. A. Gutman. 1,464,526; Aug. 14.
Locomotive. A. Claypoole. 1,464,696; Aug. 14.
Locomotive. R. F. Hall. 1,464,931; Aug. 14.
Locomotive, Steam-driven. H. Boltshauser. 1,465,111; Aug. 14.
Locomotives, Throttle-operating mechanism for. C. T. Phipps. 1,464,774; Aug. 14.
Logging hook, Safety. M. A. Shinskie. 1,464,665; Aug. 14.
Loom for hand weaving. M. Hryz. 1,464,847; Aug. 14.
Loose material, Apparatus for handling. C. E. Davis. 1,464,521; Aug. 14.
Lubricating system. C. A. Parsons, S. S. Cook, and L. M. Douglas. 1,465,171–2; Aug. 14.
Lubricating system. B. H. Skelly. Re15,675; Aug. 14.
Lubrication system. E. O. Sterns. 1,464,734; Aug. 14.
Lubrication system, Forced-. C. A. Parsons and S. S. Cook. 1,464,828; Aug. 14.
Lug closure, Liner-plate. C. Hammer. 1,465,079; Aug. 14.
Machine element. W. F. Gehrig. 1,464,815; Aug. 14.
Machine tool, chuck, and chucking system. C. R. Pratt. 1,465,234; Aug. 14.
Mail box, Residence. E. A. Hoehn. 1,465,218; Aug. 14.
Manicuring device. O. L. Bruce. 1,464,642; Aug. 14.
Mask, Painter's. G. Phillips and P. Hanlon. 1,464,883; Aug. 14.
Match carrier, Pocket. C. F. Snyder. 1,465,187; Aug. 14.
Match-making machine. B. G. Vaughan. 1,465,031; Aug. 14.
Mechanical movement. S. Vernet. 1,464,856; Aug. 14.
Measuring and filling machine. B. S. Harrington. 1,464,676; Aug. 14.
Meat, Method of and apparatus for chilling material such as. A. E. Stacey, jr. 1,465,028; Aug. 14.
Metal-refining apparatus. H. Harris. 1,465,128; Aug. 14.
Metal wheel. A. M. Ford. 1,464,566; Aug. 14.
Metals, Method of and apparatus relating to the production of. C. W. Balke. 1,464,862; Aug. 14.
Mill: *See*— Feed mill. Rolling mill.
Mine, Sea. M. C. A. H. Pape. 1,465,232; Aug. 14.
Molding apparatus. K. Engel. 1,464,501; Aug. 14.
Mop holder. W. J. Dennis. 1,464,500; Aug. 14.
Motor: *See*— Electric motor. Internal-combustion motor. Hydrocarbon motor.
Motor, Air. H. M. Graw. 1,464,575; Aug. 14.
Motor controller. R. B. Hunter. 1,464,712; Aug. 14.
Music cabinet. M. M. Swain. 1,464,890; Aug. 14.
Nail set and holder. R. L. Long. 1,465,139; Aug. 14.
Needle, Embroidery. T. L. Atkinson. 1,464,897; Aug. 14.
Nests, Poultry tag for trap. M. Merritt. 1,464,850; Aug. 14.
Nut lock. A. R. Joy. 1,465,221; Aug. 14.
Nut lock. M. F. Lerch. 1,465,015; Aug. 14.
Nut, Lock. C. Welchold, jr. 1,464,791; Aug. 14.
Oil burner. H. G. Miller. 1,464,995; Aug. 14.
Oil can. A. R. Beck. 1,464,556; Aug. 14.
Oil press. R. S. Matheson. 1,465,227; Aug. 14.
Oiling device. F. Miller. 1,465,167; Aug. 14.
Optical glass, Manufacture of. C. A. Parsons, C. J. Peddle, and H. M. Duncan. 1,465,022; Aug. 14.
Ore concentrator. J. I. Mullen. 1,465,143; Aug. 14.
Ore-handling apparatus. C. E. Davis. 1,464,522; Aug. 14.
Ovens, Thermostatic heat regulator for. B. E. Meacham. 1,465,086; Aug. 14.
Packing and making same. C. C. Hall. 1,464,604; Aug. 14.
Pails, Guard for milk. J. M. Dobbins. 1,465,119; Aug. 14.
Pan: *See*— Baking pan.
Paper-board machines, Sluice for. J. Hickey and D. H. Schwartz. 1,465,217; Aug. 14.
Paper, Feeding and cutting mechanism for waxed. H. A. Sévigné and F. K. Arnold. 1,464,544; Aug. 14.
Paper-hanging machine. M. A. Kishell. 1,464,992; Aug. 14.
Paper holder. C. R. Fleischmann. 1,464,983; Aug. 14.
Paper-making machines and the like, Segregated drive for. W. L. Merrill. 1,465,087; Aug. 14.
Paper, Manufacture of metal-coated. K. Wickel geb. Holecek. 1,465,107; Aug. 14.
Paper sheets, Blasting. G. S. Clark. 1,464,865; Aug. 14.
Paper tubes, Machine for making. R. L. Bowman and G. R. Penn. 1,464,968; Aug. 14.
Pasteurizer, Motor-driven. M. Goldberger. 1,464,704; Aug. 14.
Pencil. J. E. Roach. 1,464,853; Aug. 14.
Phonograph diaphragm. E. F. Mattausch. 1,465,019; Aug. 14.
Phonographs, Stop for. W. R. Duncan. 1,464,977; Aug. 14.
Phonographs, Tone modulator for. W. J. Bauer, F. O. Wierth and A. S. Meadoff. 1,464,739; Aug. 14.
Photography, Color motion-picture. F. T. O'Grady. 1,465,053–4; Aug. 14.
Photographic enlarging apparatus. P. Frankois. 1,465,123; Aug. 14.
Picture projectors, Carbon holder for. A. S. Hruska. 1,465,042; Aug. 14.
Pictures, Means for obtaining spherical relief in. A. E. Bertelson. 1,464,636; Aug. 14.
Pin. J. Evans. 1,465,212; Aug. 14.
Pipe by the action of centrifugal force, Machine for the manufacture of. P. Allard. 1,465,153; Aug. 14.
Pipe coupling. J. Lippis. 1,464,768; Aug. 14.
Pipe wrench. G. C. Lawson. Re15,674; Aug. 14.
Piping machine, Blindstitch-. H. C. Moulton. 1,464,997; Aug. 14.
Piston. A. L. Nelson. 1,465,144; Aug. 14.
Piston and making same, Engine. F. L. Mädler. 1,464,612; Aug. 14.
Plaster lathing. W. Heyd. 1,465,080; Aug. 14.
Plate and like metal and blank therefor, Rolling. B. Goldsmith. 1,464,929; Aug. 14.
Plate, Hot. L. D. Hubbard. 1,465,133; Aug. 14.
Plug in switch device. C. C. Farmer. 1,464,979; Aug. 14.
Poultry crate, Collapsible. A. S. Calhoun. 1,465,114; Aug. 14.
Powder box and puff. J. M. Foster. 1,464,758; Aug. 14.
Power press. A. T. Balch and C. A. Wright. 1,464,963; Aug. 14.
Press: *See*— Oil press. Power press.
Pressure-indicating and valve-operating mechanism, Combined. G. B. Ireland. 1,464,907; Aug. 14.
Propellers, Driving mechanism for marine. C. Regenbogen and E. Oehler. 1,465,024; Aug. 14.
Pulling machine. J. Martinson. 1,464,721; Aug. 14.
Pump. S. C. Brady. 1,464,639; Aug. 14.

Pump and pump piston. C. H. Hallauer. 1,464,653; Aug. 14.
Pump, Mercury-vapor jet. H. M. C. Unglaube. 1,465,030; Aug. 14.
Pump, Regulating centrifugal. A. F. Sherzer. 1,465,097; Aug. 14.
Pumps, Standing-valve attachment for oil. F. J. Wright and J. L. Baker. 1,464,796; Aug. 14.
Pumping unit. J. W. Wickwire and C. E. Burns. 1,465,032; Aug. 14.
Punching machine. C. W. Winther. 1,464,961; Aug. 14.
Rack: *See*—
Clothes rack.
Radiator. H. Junkers. 1,464,765; Aug. 14.
Radiator. E. O. Weeks. Re15,676; Aug. 14.
Radiators, Water-circulating device for. P. A. Schimming. 1,465,184; Aug. 14.
Radio instruments, Device for eliminating body capacity effects in. T. M. Harrigan. 1,464,708; Aug. 14.
Radio receiving system. S. Loewe. 1,464,533; Aug. 14.
Radio receiving system, Unidirectional. E. F. W. Alexanderson. 1,465,108; Aug. 14.
Radiotelephony, Call system for. L. Espenschied and R. Bown. 1,464,565; Aug. 14.
Rail fastener. L. E. Hurst and J. F. Miller. 1,464,937; Aug. 14.
Railway signaling mechanism. J. R. Alexander. 1,464,797; Aug. 14.
Rakes, Disk attachment for garden. J. C. Parker. 1,465,089; Aug. 14.
Range, Gas. A. F. Harter. 1,464,572; Aug. 14.
Razor-blade holder, Safety-. E. F. Mitchell. 1,464,681; Aug. 14.
Reamer. F. W. Straehle. 1,465,029; Aug. 14.
Receptacle. A. T. Persson. 1,465,055; Aug. 14.
Receptacle, Metallic. P. W. Murphy and H. E. Wiedeman. 1,464,771; Aug. 14.
Record lifter. R. F. Thomson. 1,464,785; Aug. 14.
Reel: *See*—
Fishing reel.
Refrigerator. E. Eckl. 1,464,648; Aug. 14.
Regulator: *See*—
Feed-water regulator.
Relay, Thermal. O. A. Colby. 1,464,498; Aug. 14.
Repeater-control arrangement. C. S. Demarest and O. H. Loynes. 1,464,563; Aug. 14.
Resilient wheel. V. Gil-Delgado. 1,465,125; Aug. 14.
Resin, Producing. S. P. Miller and J. B. Hill. 1,464,851; Aug. 14.
Rheostat. H. N. Wade. 1,464,857; Aug. 14.
Rim connecting hook. F. R. Klaus. 1,464,823; Aug. 14.
Rim, Demountable. S. S. Davis. 1,465,159; Aug. 14.
Rim, Demountable. J. E. Wander. 1,465,196; Aug. 14.
Rim, Demountable split. P. A. White. 1,465,070; Aug. 14.
Ring: *See*—
Furnace-casing ring.
Ring traveler. G. H. Gilligan. 1,464,674; Aug. 14.
Road crossings, Signal device for. H. Heimendinger. 1,464,819; Aug. 14.
Rock drills, Rotation for. H. A. Guiley. 1,464,930; Aug. 14.
Rolling mill. C. P. Fuller. 1,464,702; Aug. 14.
Roof and floor construction. E. C. Hoge. 1,464,711; Aug. 14.
Rope, Ornamental. S. G. Mandallan. 1,464,720; Aug. 14.
Rotary cutter. L. Di Carlo. 1,465,075; Aug. 14.
Roundabout, Gyratory. E. Kohler. 1,465,012; Aug. 14.
Routing head. A. Marceau. 1,465,226; Aug. 14.
Rubber blanket, Pneumatic. H. A. King and E. O. Isler. 1,464,716; Aug. 14.
Rubber, Embedding cords in. H. N. Wayne. 1,464,632; Aug. 14.
Rubber paving and flooring block or slab. W. A. Williams. 1,465,033; Aug. 14.
Rubber retainer. R. S. Rowe and G. Weinle. 1,465,180; Aug. 14.
Rug and making the same. R. S. Mathis. 1,464,879; Aug. 14.
Ruling-machine guide. E. Larson. 1,464,945; Aug. 14.
Sack turning and measuring machine. A. E. Yates. 1,465,200; Aug. 14.
Sash booster, Window-. H. E. Campbell. 1,464,694; Aug. 14.
Saw attachment, Tractor. S. C. Lawson. 1,464,878; Aug. 14.
Saw guard. W. D. Drummond. 1,464,924; Aug. 14.
Saws, Automatic shield for circular. J. E. Lantz. 1,465,224; Aug. 14.
Sawmill appliance. J. McLarty. 1,464,769; Aug. 14.
Sawing machine. E. Hilwig. 1,464,679; Aug. 14.
Sawing machine, Match-block-. M. R. Rawson. 1,464,727; Aug. 14.
Scissors, Automatic. L. Hernon. 1,465,130; Aug. 14.
Scraper. R. P. McNeil. 1,465,018; Aug. 14.
Scraper. D. R. Throop. 1,464,687; Aug. 14.
Screen: *See*—
Collapsible screen.
Screw. H. Rosenberg. 1,465,148; Aug. 14.
Scribing tool. A. Nikander. 1,465,230; Aug. 14.
Sealing means. W. M. Brooks. 1,465,072; Aug. 14.
Separating. G. R. Young. 1,465,010; Aug. 14.
Separator: *See*—
Grain separator.
Tooth separator.
Sewing machine. A. R. Schoenky. 1,464,630; Aug. 14.
Sewing machine, Motor-driven. M. Hemleb. 1,464,528; Aug. 14.
Sewing machines, Tape-feeding attachment for. E. Romano. 1,465,000; Aug. 14.
Shaft coupling, Flexible. M. T. Thomas. Re15,672; Aug. 14.
Shade holder. W. A. Dunlap. 1,464,699; Aug. 14.
Shade holder. A. J. McMinn. 1,464,660; Aug. 14.
Sheet-handling device. D. M. Sutherland, jr. 1,464,513; Aug. 14.
Sheet material, Finishing the edges of. J. Fossa. 1,464,650; Aug. 14.
Shell, Blasting. G. S. Clark. 1,464,866; Aug. 14.
Shingle, Strip. L. Busha. 1,464,492–4; Aug. 14.
Shipping case. J. M. Leach. 1,465,225; Aug. 14.
Shipping case, Plant-ball-. J. T. Lovett, jr. 1,464,534; Aug. 14.
Shock absorber. D. B. D. Blake. 1,465,206; Aug. 14.
Shock absorber. A. E. C. Gilmour. 1,464,524; Aug. 14.
Shock absorber. R. Liebau. 1,464,574; Aug. 14.
Shock absorber. R. Ragsdale. 1,465,023; Aug. 14.
Shock-absorbing mechanism, Friction. J. F. O'Connor. 1,464,723–5; Aug. 14.
Shoe fastener. E. Loehr-Voight. 1,464,849; Aug. 14.
Shoe-polish box. T. L. Tallaferro. 1,465,100; Aug. 14.
Sifter, Ash. L. Aptowicz. 1,464,964; Aug. 14.
Sign, Changeable-letter. L. E. Williams. 1,465,198; Aug. 14.
Signal: *See*—
Automobile signal.
Vehicle signal.
Signal device. R. L. French. 1,464,814; Aug. 14.
Signaling device. J. W. Webb. 1,464,894; Aug. 14.
Signaling apparatus. C. J. Campbell. 1,464,806; Aug. 14.
Signaling system. H. J. Vennes. 1,464,519; Aug. 14.
Silk, Manufacture of artificial. E. Bronnert. 1,464,805; Aug. 14.
Single-acting engine. O. B. Jorgensen. 1,464,821; Aug. 14.
Sink bibb, Combined. O. P. Benjamin. Des. 62,864; Aug. 14.
Siphoning device. F. M. Bonheim. 1,465,207; Aug. 14.
Skin or hide stretcher. E. F. Hayward. 1,464,762; Aug. 14.
Skylight construction. J. Sylvan. 1,464,783; Aug. 14.
Slipper, Ladies' felt. H. Weisinger. Des. 62,874; Aug. 14.
Sludge, System for treating activated. W. J. Sando. 1,465,001; Aug. 14.
Smoking device. W. H. Rose. 1,464,540; Aug. 14.
Soap dispenser. K. A. Dolge. 1,465,161; Aug. 14.
Soap-dispensing device. J. L. Gaebel. 1,464,985; Aug. 14.
Soda fountain and ice-cream cabinet. W. S. Nicolson. 1,465,021; Aug. 14.
Sodium fluoride, Making. H. Howard. 1,464,991; Aug. 14.
Sodium fluoride, Manufacture of. H. Howard. 1,464,990; Aug. 14.
Sole-pressing machine. G. F. Stewart. 1,464,888; Aug. 14.
Soldering iron, Gas. C. M. Carnelli. 1,464,497; Aug. 14.
Soldering tool. G. Harper. 1,464,933; Aug. 14.
Soot blower. J. Anderson. 1,464,798; Aug. 14.
Sorting, washing, or classifying mixed materials of different specific gravities or volumes, Process and plant for. M. Croquet. 1,464,843; Aug. 14.
Sound box. C. J. Mechling. 1,465,239; Aug. 14.
Sound-refining box. W. V. Ogren. 1,435,170; Aug. 14.
Spark plug. G. T. Dochtermann. 1,464,923; Aug. 14.
Spark plug. R. Sundberg. 1,464,685; Aug. 14.
Spark plug, Self-cleaning. F. E. Glaze. 1,465,038; Aug. 14.
Speedometers and the like, Differential shaft drive for. W. H. Schulze. 1,465,003; Aug. 14.
Spinning, doubling, twisting and like machines, Doffing apparatus for. A. and J. Stell. 1,464,730; Aug. 14.
Spinning frame and cam. J. P. McCavitt. 1,465,238; Aug. 14.
Spoon holder. F. L. Smith. 1,464,731; Aug. 14.
Sprayer, Powder. M. Anderson. 1,464,799; Aug. 14.
Spreading machines, Roller scraper bar for glue-. H. G. Francis. 1,464,813; Aug. 14.
Spring-forming device. C. J. Williams and T. Skinner. 1,465,152; Aug. 14.
Springs, Antifriction insert for leaf. J. C. White. 1,465,197; Aug. 14.
Springs, Lubricating attachment for vehicle. R. L. Williamson. 1,464,688; Aug. 14.
Sprinkler, Automatic. A. J. Loepsinger. 1,464,622; Aug. 14.
Stamping rollers, Apparatus for supplying color to vertical. K. P. Gottschalk. 1,465,078; Aug. 14.
Stanchion. G. L. Goodridge. 1,465,126; Aug. 14.
Stanchion. J. Scaletti. 1,465,183; Aug. 14.
Steam device, Face. A. E. Clark. 1,464,645; Aug. 14.
Steam-withdrawal installations, Pressure-regulating device for intermediate. R. Bosselmann. 1,464,596; Aug. 14.
Steel, Production of basic. R. Bauret. 1,464,634; Aug. 14.
Steering-post lock. C. F. Kettering. 1,464,908; Aug. 14.
Steering wheel for automobiles. J. Berlien. 1,464,635; Aug. 14.
Stepladder and ironing board, Combined. P. Schneider. 1,464,629; Aug. 14.
Stocking protector. M. W. Holcomb. 1,464,530; Aug. 14.

Stopper: *See*—
Flue stopper.
Stopper. C. J. Cruss. 1,464,646; Aug. 14.
Storage and reclaiming plant. A. F. Case. 1,464,747; Aug. 14.
Stove. O. R. Aikman. 1,465,202; Aug. 14.
Stove attachment. J. B. Gaj. 1,464,986; Aug. 14.
Stove, Odorless oil-burning heating. B. Ivor. 1,465,043; Aug. 14.
Stretcher, Folding stocking. H. A. Berendsen. 1,465,205; Aug. 14.
Stud-forming machine, Duplex. O. A. Smith and G. J. Leber. 1,464,956; Aug. 14.
Sublimation process. C. R. Downs. 1,464,844; Aug. 14.
Suitcases or the like, Welt for. H. Burchess. 1,464,643; Aug. 14.
Sulphur compounds, Method and apparatus for producing. I. Hechenbleikner and T. C. Oliver. 1,464,527; Aug. 14.
Switch. E. K. Rend. 1,464,538; Aug. 14.
Table: *See*—
Time table.
Table and hot-food tray, Extensible. C. Stirn. 1,464,889; Aug. 14.
Table-top stretcher, Metal-. O. Landaw. 1,464,910; Aug. 14.
Talking-machine cabinet. L. Authier. 1,464,593; Aug. 14.
Tallows, oils, fats, and greases, Refining and purifying. J. W. Ruwe. 1,464,627; Aug. 14.
Tapping machine, Multiple. W. L. Brubaker. 1,465,112; Aug. 14.
Taximeters, Mounting for. B. C. Palmer. 1,464,882; Aug. 14.
Teat cup. P. Schawang. 1,465,002; Aug. 14.
Telegraph systems, Typewriter attachment for. D. McNicol. 1,464,952; Aug. 14.
Telephone coin box. A. G. Sandberg. 1,465,185; Aug. 14.
Telephone-exchange system. A. E. Lundell. 1,464,719; Aug. 14.
Telephone-exchange system. L. Polinkowsky. 1,464,726; Aug. 14.
Telescope with changeable magnifying power, Sighting. H. Jacob. 1,464,655; Aug. 14.
Tent, hammock, and packsack, Combination. O. L. and M. E. Hull. 1,464,875; Aug. 14.
Terminals boxes, Supporting bar for. F. A. Tefft. 1,464,620; Aug. 14.
Textile stock, Apparatus for and method of handling fibrous. W. S. Kinsley. 1,465,048; Aug. 14.
Textile stock, Apparatus, installation, and method for use in treating. W. S. Kinsley. 1,465,046; Aug. 14.
Textile stock, Conveyer for. W. S. Kinsley. 1,465,049; Aug. 14.
Textile stock, Mixing and cleansing apparatus for. W. S. Kinsley. 1,465,050; Aug. 14.
Thermometer, Metallic radiator. R. G. Hebrock. 1,464,678; Aug. 14.
Thrashing machine. W. F. Brown. 1,464,863; Aug. 14.
Thread-cutting device. T. J. Shearman. 1,464,779; Aug. 14.
Ticket-issuing machine. C. O. Fedders. 1,465,121; Aug. 14.
Tie spreader. V. O. Matchett. 1,464,577; Aug. 14.
Time table. S. S. Lucas. 1,465,016–7; Aug. 14.
Timer cover. P. H. Fielding. 1,464,757; Aug. 14.
Timing device, Electrically-influenced. H. H. McIntire. 1,464,551; Aug. 14.
Tire carrier. W. J. Keegan, jr., A. H. Callaghan, and D. A. Moore. 1,464,941; Aug. 14.
Tire-casing trimming and lining machine, Automobile. F. C. Moore. 1,565,229; Aug. 14.
Tire chain tightener, Automobile. C. Wethern. 1,464,553; Aug. 14.
Tire, Pneumatic. M. J. Herzog. 1,464,709; Aug. 14.
Tire, Pneumatic. F. O. Muro. 1,465,169; Aug. 14.
Tire rim. P. Schultze. 1,465,096; Aug. 14.
Tire, Solid truck. W. von Kothen. 1,464,786; Aug. 14
Tire stitcher. J. F. Richter. 1,465,177; Aug. 14.
Tire, Vehicle. R. S. Trogner. 1,464,590; Aug. 14.
Toaster, Electric. E. Sjolin. 1,465,007; Aug. 14.
Token holder. R. M. Reid. 1,464,586; Aug. 14.
Toilet article. R. S. M. Schroeder. 1,465,062; Aug. 14.
Tooth separator. J. W. Ivory. 1,464,532; Aug. 14.
Torpedo. S. B. Macfarlane and L. J. Barry. 1,464,576 Aug. 14.
Towers and the like, Distributor for cooling. J. F. Grace 1,464,816; Aug. 14.
Toy windmill. T. Leszczynski. 1,464,993; Aug. 14.
Track construction. H. H. Diehl. 1,464,975; Aug. 14
Track hanger. H. L. Ferris. 1,464,982; Aug. 14.
Traction device. A. Stewart. 1,464,781; Aug. 14.
Tractor. R. Humphries. 1,464,848; Aug. 14.
Traffic-controlling system. A. V. T. Day. Re15,671 Aug. 14.
Train control, Automatic. C. B. Parker. 1,464,955 Aug. 14.
Transmission. G. L. Bayley. 1,464,691; Aug. 14.
Transmission-greasing appliance. A. J. Evers. 1,464,502 Aug. 14.
Trap: *See*—
Animal trap.
Trap. H. M. Britan. 1,464,559; Aug. 14.
Tray. O. L. F. Haggard and T. O. Rush. 1,464,987; Aug. 14.
Triturating member. A. Foust. 1,464,700; Aug. 14.
Truck, Trailer. L. E. Utter and R. E. Howland. 1,465,103; Aug. 14.
Trolley conductor hanger. J. P. L. McGivern. 1,464,535; Aug. 14.
Trolley frog. W. Schunke and F. H. Miller. 1,464,509; Aug. 14.
Truck unloader, Motor-. W. A. Petteys. 1,465,146; Aug. 14.
Tube-forming machine. W. S. Pritchard. 1,464,583; Aug. 14.
Tubes, Producing seamless internally-ribbed. L. D. Davis. 1,465,073; Aug. 14.
Twister-ring traveler. G. H. Gilligan. 1,464,675; Aug. 14.
Type cutter and its use, Ring-. C. H. Schurr. 1,465,240; Aug. 14.
Typewriter attachment. D. K. Howell. 1,465,041; Aug. 14.
Typewriting machine. E. L. Harmon and O. Petermann. 1,464,818; Aug. 14.
Typewriting machine. W. F. Helmond. 1,465,243; Aug. 14.
Typewriting machine. B. C. Stickney. 1,465,191; Aug. 14.
Typewriting machine. J. A. Wherry. 1,465,242; Aug. 14.
Umbrella. J. Reid and H. Hopkinson. 1,464,830; Aug. 14.
Umbrella. J. Reid. 1, 1,464,507; Aug. 14.
Undulation, Device for producing permanent. R. Elchenberger. 1,464,867; Aug. 14.
Valve. H. L. Raulerson. 1,465,176; Aug. 14.
Valve. U. Reidt. 1,465,147; Aug. 14.
Valve. O. R. Wikander. 1,464,837; Aug. 14.
Valve-actuating device. J. R. Crawford. 1,465,035; Aug. 14.
Valve, Automatic cut-off. J. H. Heslar. 1,464,874; Aug. 14.
Valve, Automatic shut-off. E. E. Kerns. 1,464,767; Aug. 14.
Valve, Automatic sprinkler alarm. H. G. Eastwood. 1,464,926; Aug. 14.
Valve, Dry-pipe. H. M. Nacey and M. F. Ahearn. 1,464,614; Aug. 14.
Valve, Internal-combustion engine. T. M. McKelvy. 1,465,142; Aug. 14.
Valve mechanism, Tank-. A. Campbell. 1,464,745; Aug. 14.
Valve, Radiator air. C. and A. C. Feuser. 1,464,756; Aug. 14.
Valve, Screw-operable drain. H. B. Sherman and D. M. Bliss. 1,465,004; Aug. 14.
Valve timer and control, Automatic. J. J. Leonard. 1,465,014; Aug. 14.
Vanity box. E. A. Warner. 1,464,552; Aug. 14.
Vehicle. L. W. Close. 1,464,922; Aug. 14.
Vehicle body, Motor-. A. G. Herreshoff. 1,464,989; Aug. 14.
Vehicle bodies, Pneumatic suspension for. H. O. Lassen. 1,464,680; Aug. 14.
Vehicle brake. R. Z. Farmer. 1,464,980; Aug. 14.
Vehicle driving gear. C. E. Starr. 1,464,887; Aug. 14.
Vehicle, Dumping. T. C. Hollnagel. 1,464,935; Aug. 14.
Vehicle life guard. J. M. Beale. 1,464,594; Aug. 14.
Vehicle signal. W. J. Combs. 1,465,210; Aug. 14.
Vehicle spring support. H. Knoebel. 1,465,083; Aug. 14.
Vehicle step. C. H. Vogel. 1,464,735; Aug. 14.
Vehicle testing device, Motor-. R. A. Isenberg. 1,464,763; Aug. 14.
Vehicle wheel. W. W. Tew. 1,465,193; Aug. 14.
Vehicles, Braking system for automotive. M. Stringer. 1,465,066; Aug. 14.
Vending machine. G. E. Norris. 1,464,682; Aug. 14.
Vibrations, Method of and means for production of sonorous. M. L. Severy. 1,464,729; Aug. 14.
Warp, Method and apparatus for beaming. J. W. Sohn. 1,465,063–4; Aug. 14.
Washboard. D. D. Lenner. 1,465,051; Aug. 14.
Washer: *See*
Bottle washer.
Washing apparatus. E. L. Macabee. 1,465,085; Aug. 14.
Washing apparatus. H. C. Staley. 1,465,098; Aug. 14.
Washing machine. E. L. Kerrigan. 1,464,611; Aug. 14.
Washing-machine agitator. W. C. F. Dietz. 1,465,036; Aug. 14.
Water heater. C. A. Olson. 1,464,954; Aug. 14.
Water-heating apparatus. A. G. Boggs. 1,465,109; Aug. 14.
Water purification. W. F. Langelier. 1,465,137; Aug. 14.
Waterproof sheeting, Coated. L. Kirschbraun. 1,464,717; Aug. 14.
Wax from mineral-oil lubricating stock, Separating. C. H. Hapgood. 1,464,707; Aug. 14.
Wedge. G. W. Dickens. 1,464,974; Aug. 14.
Weighing and advertising machine. A. Helmann. 1,464,846; Aug. 14.
Welding machine. A. J. Townsend. 1,465,241; Aug. 14.
Well casings, Packing means for. C. A. Rasmussen. 1,464,585; Aug. 14.
Well casings, Shock-absorbing attachment for. R. E. Fair. 1,465,120; Aug. 14.
Wheel: *See*—
Metal wheel.
Vehicle wheel.
Resilient wheel.

Wheel. H. A. House, jr. 1,465,247; Aug. 14.
Wheel and tire construction. E. H. Ackerman. 1,465,201; Aug. 14.
Wheel-driving mechanism. E. Einfeldt. 1,464,978; Aug. 14.
Wheel-rim connector, Extension. H. P. Patheal. 1,464,773; Aug. 14.
Wheels, Forming vehicle. W. N. Booth. 1,464,495; Aug. 14.
Windmill. J. M. Porter. 1,465,174; Aug. 14.
Windmill-lubricating system. F. Ritz. 1,464,662; Aug. 14.
Window-cleaners' harness, Drilled base anchorage for. B. Kugler. 1,464,825; Aug. 14.
Window-cleaning device. G. Hunter. 1,465,237; Aug. 14.
Windows, Wind-regulated shutter for. N. C. Jensen. 1,464,764; Aug. 14.
Windshield. F. A. Dillingham. 1,464,754; Aug. 14.
Windshield cleaner. B. Rockman. 1,464,776; Aug. 14.
Wire-bending machine. G. Fumagalli, P. Cardone and C. Surico. 1,464,505; Aug. 14.
Wire puller. J. R. Kearney. 1,464,939; Aug. 14.
Wood chipper. D. C. Andrews. 1,464,690; Aug. 14.
Wood pulp, Apparatus for grinding. J. J. Warren. 1,465,069; Aug. 14.
Woodworking machines, Tool-supporting spindle for. J. Rock. 1,465,058-9; Aug. 14.
Woodworking tool and forming the cutting edge thereof. J. Rock. 1,465,060; Aug. 14.
Yeast to increase the baking strength, Pretreating dried. A. W. Hixson. 1,464,710; Aug. 14.

CLASSIFICATION OF PATENTS

ISSUED AUGUST 14, 1923.

NOTE.—First number=class, second number=subclass, third number=patent number.

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224— 24: 1,464,659
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225— 21: 1,465,122
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226— 101: 1,464,829
228— 4: 1,464,629
23: 1,464,780
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229— 6: 1,464,827
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39: 1,464,835
68: 1,464,912
230— 13: 1,465,030
232— 4: 1,465,185
19: 1,465,218
41: 1,464,578
234— 26: 1,464,943
235— 30: 1,464,882
91: 1,465,109
144: 1,464,778
236— 15: 1,465,086
66: 1,464,756
237— 19: 1,465,109
238— 10: 1,464,975
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240— 1: 1,464,988
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8.5: 1,464,573
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62: 1,464,673
87: 1,464,637
128: 1,464,699
129: 1,464,660
241— 5: 1,464,800
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242— 43.7: 1,465,238
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244— 2: 1,465,246
22: 1,465,040
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245— 5: 1,464,834
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246— 49: R. 15,671
128: 1,464,819
163: 1,464,606
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204: 1,464,797
247— 22: 1,464,620
250— 6: 1,464,565
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251— 43: 1,465,004
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134: 1,465,147
137: 1,464,561
141: 1,464,774
253— 37: 1,464,575
254— 88: 1,464,974
98: 1,464,881
103: 1,465,057
116: 1,464,721
255— 42: 1,464,809
69: 1,465,008
257— 220: 1,464,705
33.16: 1,465,158
259— 1: 1,465,179
99: 1,465,036
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260— 7: 1,464,851
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261— 113: 1,464,918
263— 20: 1,464,580
264— 9: 1,465,001
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265— 68: 1,464,846
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267— 10: 1,465,206
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17: 1,465,023
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54: 1,465,081
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271— 8: 1,464,668
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274— 1: 1,464,785
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277— 25: 1,465,176
280— 33.1: 1,465,103
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283— 9: 1,465,099
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285— 22: 1,464,585
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93: 1,465,140
111: 1,464,750
292— 225: 1,465,088
308: 1,465,072
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293— 55: 1,464,594
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294— 99: 1,464,967
295— 44: 1,464,922
296— 28: 1,464,889
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97: 1,464,876
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299— 12: 1,464,927
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98: R. 15,673
300— 13: 1,465,162
391— 9: 1,464,812
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31: 1,465,096
33: 1,465,070
35: 1,465,106
39: 1,464,773
57: 1,464,566
63: 1,464,917
303— 28: 1,464,640
86: 1,464,955

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Allen-Bradley Company, Milwaukee, Wis. Electrical controlling devices. 172,135; Aug. 21; Serial No. 176,438; published May 8, 1923.

Allen Paint & Putty Works, Chicago, Ill. Putty. 172,197; Aug. 21.

American Ammone Company, New York, N. Y. Soluble washing compounds. 172,177; Aug. 21.

American Cotton Oil Company, The. (See Fairbank, N. K., Company, assignor.)

American Hard Rubber Company, Hempstead and New York, N. Y. Dials made of hard rubber for radio apparatus. 172,011; Aug. 21; Serial No. 175,694; published May 8, 1923.

American Hard Rubber Company, Hempstead and New York, N. Y. Aerial insulators and radio panels. 172,142; Aug. 21; Serial No. 176,778; published May 8, 1923.

American Lead Pencil Company, New York, N. Y. Lead pencils. 172,128; Aug. 21; Serial No. 174,683; published May 22, 1923.

American Oriental Candy Mfg. Co., Richmond, Va. Candy. 172,049; Aug. 21; Serial No. 153,793; published May 22, 1923.

American Transformer Company, Newark, N. J. Transformers used in radio apparatus and parts therefor. 172,013; Aug. 21; Serial No. 175,289; published May 1, 1923.

American Wholesale Corporation (Baltimore Bargain House), Baltimore and Cumberland, Md. Soft collars and silk ties. 172,162; Aug. 21.

Arbuckle Brothers, New York, N. Y. Coffee. 172,069; Aug. 21; Serial No. 177,348; published May 29, 1923.

Atlantic Laboratories, Atlanta, Ga. Preparation for use as a general household cleaner. 172,026; Aug. 21; Serial No. 169,146; published May 22, 1923.

Atwater Kent Manufacturing Company, Philadelphia, Pa. Radio telephone and telegraph instruments and sets and parts therefor. 172,189; Aug. 21.

Automatic Refrigerating Company, The, Hartford, Conn. Refrigerating apparatus. 172,062; Aug. 21; Serial No. 177,645; published May 22, 1923.

Bankee Corporation of America, Los Angeles, Calif. Trading stamps and coupons, booklets, etc. 172,118; Aug. 21; Serial No. 175,421; published May 15, 1923.

Barbour Welting Company, Brockton, Mass. Cut soles of leather for boots and shoes. 172,125; Aug. 21; Serial No. 175,054; published May 22, 1923.

Barkmahn Company, Inc., The, New York, N. Y. Pipes. 172,120; Aug. 21; Serial No. 174,602; published May 22, 1923.

Barnett-Green Company, Pittsburgh, Pa. Hosiery, sweaters, underwear, and neckties. 172,168; Aug. 21.

Barrett Company, The, New York, N. Y. Bituminous material for compounding rubber. 172,004; Aug. 21; Serial No. 173,692; published May 29, 1923.

Bauman, Hyman, & Co., New York, N. Y. Silk, cotton, and wool piece goods and mixtures of same. 171,976; Aug. 21; Serial No. 178,657; published May 22, 1923.

Beach, Albert H., doing business as Pyramid Products Co., Los Angeles, Calif. Soap. 172,027; Aug. 21; Serial No. 169,116; published May 22, 1923.

Bell Syndicate, Inc., The, New York, N. Y. Series of cartoons. 172,058; Aug. 21; Serial No. 178,086; published May 22, 1923.

Bluemantle, Jack, Paris, France. Beverage sold as a soft drink. 172,179; Aug. 21.

Blumenthal, Sidney, & Co. Inc., New York, N. Y. Pile fabrics in the piece. 171,979–80; Aug. 21; Serial Nos. 178,810–11; published May 22, 1923.

Bolcom Canal Lumber Co., Seattle, Wash. Laths and lumber. 172,134. Aug. 21; Serial No. 176,012; published May 29, 1923.

Bradley-Wise Paint Company, Los Angeles, Calif. Paints, varnishes, paint enamels, dry colors. 172,109; Aug. 21; Serial No. 172,464; published May 15, 1920.

Brandt, H. O., & Hampson. (See Maddocks, John, assignor.)

Brogan, Byard F., Philadelphia, Pa. Finger rings. 172,140–1; Aug. 21; Serial Nos. 176,714–15; published May 8, 1923.

Brooklyn Shield & Rubber Company, Brooklyn, N. Y. Baby pants. 172,112; Aug. 21; Serial No. 172,027; published May 22, 1923.

Burnham & Morrell Company, Portland, Me. Canned corn and canned succotash. 172,068; Aug. 21; Serial No. 177,357; published May 29, 1923.

Butler, James, New York, N. Y., assignor to James Butler Grocery Company. Tea. 23,941; renewed Dec. 19, 1923.

Butler, James, New York, N. Y., assignor to James Butler Grocery Company. Coffee. 23,944; renewed Dec. 26, 1923.

Butterick Publishing Company, The, New York, N. Y. Pamphlet published from time to time. 172,081; Aug. 21; Serial No. 176,447; published May 22, 1923.

C. E. Z. Company, The, Chicago, Ill. House numbers, changeable window display signs, and sign reflectors. 172,136; Aug. 21; Serial No. 176,449; published May 29, 1923.

Calhoun, Robbins, & Co., New York, N. Y. Buckles, thimbles, bracelets, etc. 172,008; Aug. 21; Serial No. 172,208; published May 8, 1923.

Champion Appliance Manufacturing Company, Inc., Yonkers, N. Y. Portable electric motors. 172,003; Aug. 21; Serial No. 170,926; published May 8, 1923.

Chemical Foundation, Incorporated, The. (See Chemische Fabric auf Actien, vormals E. Schering, assignor.)

Chemical Foundation, Incorporated, The. (See Chemische Fabrik, vormals Hofmann & Schoetensack, assignor.)

Chemical Foundation, Incorporated, The. (See Goldschmidt, The firm of Th., assignor.)

Chemical Foundation, Incorporated, The. (See Merck, Firm of E., assignor.)

Chemical Foundation, Incorporated, The. (See Müller, J. G., & Co., assignor.)

Chemical Foundation, Incorporated, The. (See Schulz, F. A., and Philipp, assignors.)

Chemical Foundation, Incorporated, The. (See Stroschein, Johann E., assignor.)

Chemische Fabric auf Actien, vormals E. Schering, Berlin, Germany, assignor to The Chemical Foundation, Incorporated, Wilmington, Del. Therapeutic remedies. 23,533; renewed Aug. 22, 1923.

Chemische Fabrik, vormals Hofmann & Schoetensack, Ludwigshafen-on-Rhine, Germany, assignor to The Chemical Foundation, Incorporated, Wilmington, Del. Remedies for diarrhea and gouty rheumatism. 23,927; renewed Dec. 19, 1923.

Chippewa Shoe Mfg. Co., Chippewa Falls, Wis. Leather boots and shoes. 172,111; Aug. 21; Serial No. 172,261; published May 22, 1923.

Class Journal Company, New York, N. Y. Semimonthly publication. 172,119; Aug. 21; Serial No. 175,385; published May 22, 1923.

Clipper Belt Lacer Company, Grand Rapids, Mich. Memoranda books. 172,120; Aug. 21; Serial No. 175,301; published May 22, 1923.

Coleman-Dobson-Cannon Co., Inc., Nashville, Tenn. Periodical issued weekly. 172,132; Aug. 21; Serial No. 174,558; published May 22, 1923.

Community Advertising Co. (See Serage, Francis L.)

Con-Ferro Paint & Varnish Co., St. Louis, Mo. Paints, varnish stains, and enamels. 172,174; Aug. 21.

Crystal Waxing Company, The. (See Shelby Wax Paper Company, assignor.)

Curtis, J. G., Leather Company, Ludlow, Pa. Leather insoles. 172,099; Aug. 21; Serial No. 174,074; published May 22, 1923.

Davis, Charles C., Chicago, Ill. Twines, rope, strings, and cordage. 172,194; Aug. 21.

De Gracy Co., Inc., New York, N. Y. Breakfast coats and like negligees. 172,149; Aug. 21; Serial No. 161,821; published June 19, 1923.

Degerberg, Alfred, doing business as Alfred Degerberg Co., Philadelphia, Pa. Ink for polishing shoes. 172,033; Aug. 21; Serial No. 163,436; published May 22, 1923.

Deknatel, J. A., & Son, Inc., Brooklyn, N. Y. Infant's identification necklace. 172,193; Aug. 21.

Delano, Potter & Company, Inc., Boston, Mass. Tea. 172,077; Aug. 21; Serial No. 176,256; published May 22, 1923.

Detroit Packing Company, Detroit, Mich. Fresh beef. 172,029; Aug. 21; Serial No. 166,658; published May 29, 1923.

Diamond Match Company, The, Chicago, Ill. Matches. 171,973; Aug. 21; Serial No. 178,909; published May 22, 1923.

Diamond Match Company, The, Chicago, Ill. Matches. 171,974; Aug. 21; Serial No. 178,912; published May 22, 1923.

Diamond Match Company, The, Chicago, Ill. Matches. 171,975; Aug. 21; Serial No. 178,913; published May 22, 1923.

Diamond Match Company, The, Chicago, Ill. Matches. 171,984; Aug. 21; Serial No. 178,896; published May 22, 1923.

Diamond Match Company, The, Chicago, Ill. Matches. 171,985–95; Aug. 21; Serial Nos. 178,898–908; published May 22, 1923.

Dixie Co., The, Fairmont, W. Va. Motor fuel, gasoline, oils, and greases. 172,034; Aug. 21; Serial No. 163,259; published Oct. 31, 1922.

Duffy, F. S., doing business as The F. S. Duffy Medicine Co., New Bern, N. C. Antibilious pills, diarrhea cordial liniment, etc. 172,196; Aug. 21.

Dugan & Hudson Co., Rochester, N. Y. Leather boots and shoes. 172,030; Aug. 21; Serial No. 166,655; published May 22, 1923.

Earl Fruit Company of The Northwest, Spokane, Wash. Fresh apples. 172,072; Aug. 21; Serial No. 177,282; published May 29, 1923.

Edmiston, John R., Miami, Fla. Candy and sirup for making same. 172,016; Aug. 21; Serial No. 161,978; published Oct. 31, 1922.

Eisendrath, Joseph N., Company, The, Chicago, Ill. Leather gloves, gauntlets, and mittens. 172,104; Aug. 21; Serial No. 173,431; published May 22, 1923.

Eli Lilly & Company, The, Indianapolis, Ind. Medicinal preparation for the treatment of diabetes and to lower blood sugar, etc. 171,971; Aug. 21; Serial No. 166,382; published May 15, 1923.

Endel & Peles, New York, N. Y. Straw hats and hats partly of straw. 172,117; Aug. 21; Serial No. 175,476; published May 22, 1923.

Enterprise Paint Mfg. Co., Chicago, Ill. Dry, paste, and ready-mixed paints, varnishes, varnish removers, and enamel paints. 172,126; Aug. 21; Serial No. 174,828; published May 29, 1923.

Erickson, Andrew C., Los Angeles, Calif. Leather boots and shoes. 172,129; Aug. 21; Serial No. 174,613; published May 22, 1923.

Everlasting Yeast Company, Weiser, Idaho. Yeast cakes. 172,102; Aug. 21; Serial No. 173,630; published May 29, 1923.

Fairbank, N. K., Company, The, Union Township, near Guttenberg, N. J., and Chicago, Ill., assignor to The American Cotton Oil Company, Union Township, near Guttenberg, N. J. Vegetable shortening compound. 172,051; Aug. 21; Serial No. 149,959; published Oct. 31, 1922.

Fellsway Rubber Co., Boston, Mass. Rubber tiling. 172,148; Aug. 21; Serial No. 178,338; published May 29, 1923.

Finney, F. L., doing business as Ford Beverage Co., Birmingham, Ala. Beverage and sirup and extracts for making same. 172,198; Aug. 21.

Fleming, E., & Co., Cambridge, Mass. Radio record books. 172,063; Aug. 21; Serial No. 177,552; published May 22, 1923.

Ford Beverage Co. (See Finney, T. L.)

Fort Dummer Mills, Brattleboro, Vt. Cotton piece goods. 172,182; Aug. 21.

Fort Howard Paper Company, Green Bay, Wis. Toilet paper, paper napkins, towels, and tablecloths. 172,017; Aug. 21; Serial No. 171,353; published Jan. 16, 1923.

Fort Howard Paper Company, Green Bay, Wis. Toilet paper, paper napkins, towels, and tablecloths. 172,084; Aug. 21; Serial No. 176,074; published Apr. 10, 1923.

Fox, Charles K., Inc., Haverhill, Mass. Boots and shoes of leather. 172,021; Aug. 21; Serial No. 170,574; published May 22, 1923.

Frederick City Packing Company, Inc., The, Frederick, Md. Canned vegetables. 172,067; Aug. 21; Serial No. 177,372; published May 29, 1923.

Freeman, Miller, New York, N. Y. Monthly publication. 172,090; Aug. 21; Serial No. 176,892; published May 22, 1923.

Glocalas, Th., & V. Coyimzoglu, New York, N. Y. Dates. 172,096; Aug. 21; Serial No. 174,439; published May 29, 1923.

Glocalas, Th., & V. Coyimzoglu, New York, N. Y. Dates. 172,097–8; Aug. 21; Serial Nos. 174,436–7; published May 29, 1923.

Goldman, Harry, Chicago, Ill. Advertising devices. 171,996; Aug. 21; Serial No. 169,014; published May 29, 1923.

Goldschmidt, The Firm of Th., Essen-on-the Ruhr, Germany, assignor to The Chemical Foundation, Incorporated, Wilmington, Del. Mordants. 23,707; renewed Oct. 10, 1922.

Goldweb Hat Company, New York, N. Y. Ladies' hats. 172,083; Aug. 21; Serial No. 176,541; published May 22, 1923.

Goodyear Tire & Rubber Company, The, Akron, Ohio. House-organ publications. 172,044; Aug. 21; Serial No. 157,566; published May 8, 1923.

Gray Wood Heel Co., Lynn, Mass. Wood heels. 172,123; Aug. 21; Serial No. 175,143; published May 22, 1923.

Grossman, Julius, Inc., Brooklyn, N. Y. Women's shoes, high and low models. 172,103; Aug. 21; Serial No. 173,490; published May 22, 1923.

Grossman Shoe Co., The, Chicago, Ill. Leather boots, shoes, oxfords, and low quarters. 172,078; Aug. 21; Serial No. 176,267; published May 22, 1923.

Hall, Harry G., doing business as H. G. Hall Manufacturing Company, Cottonwood, Ariz. External radiator cement. 172,175; Aug. 21.

Harwood Brothers, Inc., Richmond, Va. Lubricating oils and greases. 172,032; Aug. 21; Serial No. 163,632; published Nov. 7, 1922.

Hays, J. M., Wood Products Company, Division of Standard Crate & Filler Company, Jefferson City, Mo. Automobile bumpers. 172,097; Aug. 21; Serial No. 172,629; published May 29, 1923.

Hayward Hosiery Company, Ipswich, Mass. Hosiery. 172,113; Aug. 21; Serial No. 171,914; published May 22, 1923.

Hazeltine, Louis A., Hoboken, N. J. Radio receiving sets. 172,137; Aug. 21; Serial No. 176,676; published May 29, 1923.

Hazeltine, Louis A., Hoboken, N. J. Electrical transformers. 172,138; Aug. 21; Serial No. 176,677; published May 8, 1923.

Hazeltine, Louis A., Hoboken, N. J. Electrical condensers. 172,139; Aug. 21; Serial No. 176,678; published May 8, 1923.

Healthall Medical Company. (See Kreisman, Louis.)

Heine, L. Allen, doing business as The Heine Service, Ltd., Louisville, Ky. Periodical publication. 172,089; Aug. 21; Serial No. 176,828; published May 22, 1923.

Hill and Loper Company, Incorporated, The, Danbury, Conn. Men's, women's, and children's hats. 172,041; Aug. 21; Serial No. 158,842; published May 22, 1923.

Hinckley Manufacturing Company, Providence, R. I. Bracelets, finger rings, brooches, bar pins, and buttons. 171,997; Aug. 21; Serial No. 168,469; published May 8, 1923.

Hoover Company, The, North Canton, Ohio. Electric suction sweepers. 172,014; Aug. 21; Serial No. 175,245; published May 8, 1923.

Howland, Louis A., Hollywood, Calif. Photographic reproductions of pictures. 172,199; Aug. 21.

Idaho Producers' Union, Caldwell, Idaho. Fresh vegetables, citrous fruits, grapes, and melons. 172,020; Aug. 21; Serial No. 170,685; published May 29, 1923.

Igoe, James T., Chicago, Ill. Occasional publication. 172,116; Aug. 21; Serial No 175,721; published May 22, 1923.

Implement Age Company, The, Springfield, Ohio. Monthly publication devoted to the farm-equipment industry. 172,073; Aug. 21; Serial No. 177,000; published May 22, 1923.

Indiana Indestructible Paint Co., Chicago, Ill. Ready-mixed paints, enamels, varnish, wood stains, etc. 172,022; Aug. 21; Serial No. 128,971; published May 3, 1921.

Ingersoll Redlpoint Company, Inc., New York, N. Y. Pencils, pens, leads, and erasers. 172,095; Aug. 21; Serial No. 174,452; published May 22, 1923.

Jackie-Klothes, Inc., Brooklyn, N. Y. Boys' and girls' middy suits, blouses, breeches, etc. 172,157; Aug. 21.

Jackson, Harry C., New York, N. Y. Bread bonbons. 172,181; Aug. 21.

Jacobs, David, Corporation, New York, N. Y. Hosiery. 172,186; Aug. 21.

Janney, Thomas, Company, Philadelphia, Pa. Shoes. 172,074; Aug. 21; Serial No. 173,903; published May 22, 1923.

Janssen, H., & Co., San Francisco, Calif. Olive oil. 172,023; Aug. 21; Serial No. 167,642; published May 29, 1923.

Jordan Marsh Company, Boston, Mass. Albums for talking-machine records. 172,146; Aug. 21; Serial No. 177,976; published May 8, 1923.

Kansas City Macaroni & Importing Co., Kansas City, Mo. Shell-shaped macaroni. 172,071; Aug. 21; Serial No. 177,303; published May 29, 1923.

Kaplan, Samuel, Philadelphia, Pa. Men's shirts. 172,155; Aug. 21.

Kee Lox Manufacturing Company, Rochester, N. Y. Carbon paper. 172,001; Aug. 21; Serial No. 153,297; published May 8, 1923.

Kentucky Rock Asphalt Co., Louisville, Ky. Asphalt. 172,147; Aug. 21; Serial No. 178,047; published May 29, 1923.

Kickbusch, A., Grocery Company, Wausau, Wis. Canned fruits and vegetables, coffee, tea, and prepared mustard. 172,066; Aug. 21; Serial No. 177,387; published May 29, 1923.

King, John P., Manufacturing Co., The, Augusta, Ga. Cotton piece goods. 172,006; Aug. 21; Serial No. 173,570; published Apr. 10, 1923.

Klauber Wangenheim Co., San Diego, Calif. Coffee. 172,091; Aug. 21; Serial No. 176,896; published May 29, 1923.

Kreisman, Louis, doing business as Healthall Medical Company, Fall River, Mass. Laxative pills, candy laxative, etc. 172,190; Aug. 21.

Kutz, M., Company, Inc., Atlanta, Ga. Ladies' hats. 172,076; Aug. 21; Serial No. 175,992; published May 22, 1923.

Lake Erie Provision Company, The, Cleveland, Ohio. Hams, bacon, lard, and sausage products. 172,110; Aug. 21; Serial No. 172,422; published May 29, 1923.

Landers, Frary & Clark, New Britain, Conn. Electrically-driven vacuum cleaners. 172,010; Aug. 21; Serial No. 175,799; published May 8, 1923.

La Resista Corset Company, The, Bridgeport, Conn. Corsets. 172,000; Aug. 21; Serial No. 167,004; published May 29, 1923.

Large & Roomy Overall Mfg. Co., The, Cincinnati, Ohio. Overalls, suits, and work trousers. 172,187; Aug. 21.

Largman Brothers, Inc., Philadelphia, Pa. Sweaters. 172,172; Aug. 21.

Lauterstein, Jacob, Portland, Oreg. Men's, boys', and youths' coats, vests, trousers, and overcoats. 172,161; Aug. 21.

Lesser and Oppenheimer Inc., New York, N. Y. Shirts, pyjamas, underwear, etc. 172,154; Aug. 21.

Lockyer, Emily G. F., London, England. Heated packing cases for keeping food hot. 172,059; Aug. 21; Serial No. 158,089; published May 29, 1923.

Lorraine Manufacturing Company, Pawtucket, R. I. Cotton goods in the piece. 171,977–8; Aug. 21; Serial Nos. 178,747–8; published May 22, 1923.

Louisville Furnishing Goods Co., Louisville, Ky. Work shirts. 172,163; Aug. 21.

McKenna, Grace P., Washington, D. C. Necklaces, bracelets, brooches, finger rings, vanity cases. 172,005; Aug. 21; Serial No. 173,606; published May 8, 1923.

McWade Tire and Rubber Company, The, Garrettsville, Ohio. Rubber heels. 172,115; Aug. 21; Serial No. 175,878; published May 22, 1923.

Mack Battery Company, Los Angeles, Calif. Storage batteries and parts. 172,150; Aug. 21; Serial No. 169,065; published May 22, 1923.

Mack, Edward F., New York, N. Y. Advertising posters. 172,085; Aug. 21; Serial No. 176,682; published May 22, 1923.

Maddocks, John, Bradford, assignor to H. O. Brandt & Hampson, Manchester, England. Wearing apparel. 23,502; renewed Aug. 15, 1923.

Maddocks, John, Bradford, assignor to H. O. Brandt & Hampson, Manchester, England. Cotton, wool, silk, and worsted or hair piece goods. 23,713; renewed Oct. 17, 1923.

Manufacturers Supplies Company, St. Louis, Mo. Threads. 172,040; Aug. 21; Serial No. 158,936; published May 22, 1923.

Manufacturers Supplies Company, St. Louis, Mo. Threads. 172,042; Aug. 21; Serial No. 158,633; published May 22, 1923.

Marvellum Company, The, Holyoke, Mass. Cover paper. 171,981–2; Aug. 21; Serial Nos. 178,856–7; published May 22, 1923.

Merck, The Firm of E. Darmstadt, Germany, assignor to The Chemical Foundation, Incorporated, Wilmington, Del. Preparations of iron. 23,530–1; renewed Aug. 22, 1923.

Merck, The Firm of E. Darmstadt, Germany, assignor to The Chemical Foundation, Incorporated, Wilmington, Del. Medicinal agents for nervous diseases and a febrifuge. 23,534; renewed Aug. 22, 1923.

Merck, The Firm of E. Darmstadt, Germany, assignor to The Chemical Foundation, Incorporated, Wilmington, Del. Remedies for whooping cough and asthmatic diseases. 23,536; renewed Aug. 22, 1923.

Merck, The Firm of E., Darmstadt, Germany, assignor to The Chemical Foundation, Incorporated, Wilmington, Del. Remedies for cancerous diseases. 23,537; renewed Aug. 22, 1923.

Merriam, G. & C., Company, Springfield, Mass. Dictionaries. 172,151; Aug. 21; Serial No. 174,584; published May 22, 1923.

Merton, Charles S., & Co., East Rutherford, N. J. Men's and boys' hats and caps. 172,101; Aug. 21; Serial No. 173,654; published May 22, 1923.

Millards, Philadelphia, Pa. Ladies' ready-to-wear apparel. 172,195; Aug. 21.

Millow, R. C., Shoe Co. Inc., Rochester, N. Y. Men's, women's, and children's shoes of leather. 172,100; Aug. 21; Serial No. 173,713; published May 22, 1923.

Morrison, Florence C., Buffalo, N. Y. Women's hats. 172,105; Aug. 21; Serial No. 173,199; published May 22, 1923.

Müller, J. G., & Co., Stuttgart, Germany, assignor to The Chemical Foundation, Incorporated, Wilmington, Del. Artists' colors, varnishes, and driers. 23,457; renewed Aug. 8, 1923.

Munzer, E., & Co., Chicago, Ill. Ladies' fabric underwear bloomers. 172,047; Aug. 21; Serial No. 154,524; published May 22, 1923.

Needlecraft Publishing Company, Augusta, Me. Monthly magazines. 172,045; Aug. 21; Serial No. 155,444; published May 22, 1923.

New Castle Lime & Stone Company, New Castle and Hillsville, Pa. Agricultural lime or pulverized limestone. 172,183; Aug. 21.

New England Panama Hat Co., Inc., New York, N. Y. Hats. 172,086; Aug. 21; Serial No. 176,756; published May 22, 1923.

New Way Laboratories, Hamilton, Ohio. Laundryproof fluid for patching hosiery and all fabrics. 172,180; Aug. 21.

New York Law Review Corporation, New York, N. Y. Name of a monthly magazine. 172,075; Aug. 21; Serial No. 176,032; published May 22, 1923.

New Zealand Refrigerating Company Limited, The, Christchurch, New Zealand. Oils for preserving leathers and neat's-foot oil. 172,036; Aug. 21; Serial No. 161,375; published May 22, 1923.

Nicholas Proprietary Limited, Melbourne, Victoria, Australia. Pharmaceutical preparation for the relief of headache, nerve pains, etc. 171,972; Aug. 21; Serial No. 165,706; published Nov. 7, 1922.

Norristown Herald, Inc., Norristown, Pa. Periodical publication published daily. 172,092; Aug. 21; Serial No. 176,910; published May 22, 1923.

Oklahoma Publishing Company, The, Oklahoma, Okla. Monthly magazine. 172,121; Aug. 21; Serial No. 175,265; published May 22, 1923.

Olsen-Moller Manufacturing Company, Chicago, Ill. Brake compound. 172,107; Aug. 21; Serial No. 172,804; published May 1, 1923.

Orkin, J. B., Corp., New York, N. Y. Ladies' wearing apparel. 172,153; Aug. 21.

Pabst Corporation, doing business as Pabst, Milwaukee, Wis. Table water. 172,188; Aug. 21.

Pal Medicine Co., Boston, Mass. Laxative for colds, headaches, la grippe, and constipation. 172,185; Aug. 21.

Patricki, Thomas, Hawkins, Wis. Lightning arresters. 172,009; Aug. 21; Serial No. 175,884; published May 8, 1923.

Penney, J. C., Company, Salt Lake City, Utah, and New York, N. Y. Men's hats. 172,087; Aug. 21; Serial No. 176,759; published May 22, 1923.

Penney, J. C., Company, Salt Lake City, Utah, and New York, N. Y. Men's and boys' caps. 172,088; Aug. 21; Serial No. 176,760; published May 22, 1923.

Pennsylvania Petroleum Company, Kansas City, Mo. Motor-lubricating oil. 172,050; Aug. 21; Serial No. 151,557; published Nov. 8, 1921.

Peterson Paper Company, The, Davenport, Iowa. Toilet paper. 172,082; Aug. 21; Serial No. 176,501; published May 22, 1923.

Philipp, Gustav A. (See Schulz, F. A., and Philipp.)

Phillips-Jones Corporation, New York, N. Y. Collars. 172,169–70; Aug. 21.

Phoenix Ice Machine Co., The, Cleveland, Ohio. Ice and refrigerating machinery, ammonia compressors, receivers, and condensers, etc. 172,019; Aug. 21; Serial No. 170,785; published May 22, 1923.

Pidgeon, C. T., Millinery Co., Fort Wayne, Ind. Hats for women. 172,124; Aug. 21; Serial No. 175,103; published May 22, 1923.

Pioneer Broom Co., Inc., Amsterdam, N. Y. Whisk brooms. 172,176; Aug. 21.

Pioneer Broom Co. Inc., The, Amsterdam, N. Y. Brooms and parts thereof. 172,184; Aug. 21.

Polygon Products Co., Boston, Mass. Cement packing for joints. 172,144; Aug. 21; Serial No. 177,514; published May 29, 1923.

Producers Canning and Packing Company, The, Salem, Oreg. Canned fruits. 172,031; Aug. 21; Serial No. 164,258; published June 5, 1923.

Pyramid Products Co. (See Beach, Albert H.)

Quaker City Chocolate & Confectionery Company, Philadelphia, Pa. Candies. 172,094; Aug. 21; Serial No. 174,487; published May 29, 1923.

Reed, E. P., & Co., Rochester, N. Y. Shoes made of leather. 172,122; Aug. 21; Serial No. 175,164; published May 22, 1923.

Reed, E. P., & Co., Rochester, N. Y. Shoes made of leather. 172,133; Aug. 21; Serial No. 174,527; published May 22, 1923.

Riesman, Philip, doing business as Royal Electric Company, Chelsea, Mass. Electric bulbs and lamps. 172,015; Aug. 21; Serial No. 174,924; published May 8, 1923.

Roe, William G., Winterhaven, Fla. Fresh citrous and deciduous fruits. 172,065; Aug. 21; Serial No. 177,409; published May 29, 1923.

Rohne Electric Co., Minneapolis, Minn. Electric gluepots, soldering irons, frying pans, etc. 172,192; Aug. 21.

Royal Electric Company. (See Riesman, Philip.)

Rubin Brothers, New York, N. Y. Shoes, slippers, spats. 172,108; Aug. 21; Serial No. 172,559; published May 22, 1923.

Russo, Andrea, Chicago, Ill. Olive oil and canned anchovies. 172,064; Aug. 21; Serial No. 177,411; published May 29, 1923.

S. & V. Company, Inc., New York, N. Y. Fabric gloves. 172,024; Aug. 21; Serial No. 170,225; published May 22, 1923.

Salt's Textile Manufacturing Company, The, Bridgeport, Conn., and New York, N. Y. Women's, children's, and infants' coats, cloaks, wraps, suits, etc. 172,158–60; Aug. 21.

Schlueter Manufacturing Co., St. Louis, Mo. Water and dairy pails, cream, oil, ash, and other cans, and bread boxes. 172,106; Aug. 21; Serial No. 172,903; published May 29, 1923.

Schulz, Friedrich A., and G. A. Philipp, Leipzig, Germany, assignors to The Chemical Foundation, Incorporated, Wilmington, Del. Cleaning and polishing preparations. 23,724; renewed Oct. 17, 1923.

Schulz, Friedrich A., and G. A. Philipp, Leipzig, Germany, assignors to The Chemical Foundation, Incorporated, Wilmington, Del. Scouring and polishing preparations. 23,820; renewed Nov. 14, 1923.

Sears, Roebuck and Company, New York, N. Y., and Chicago, Ill. Sound boxes for phonographs. 172,002; Aug. 21; Serial No. 140,073; published May 8, 1923.

Serage, Francis L., doing business as Community Advertising Co., Columbus, Ohio. Calendars published annually. 172,079; Aug. 21; Serial No. 176,285; published May 22, 1923.

Shafarman, L., Inc., New York, N. Y. Headwear—namely, soft and stiff hats for men. 172,093; Aug. 21; Serial No. 176,921; published May 22, 1923.

Shelby Wax Paper Company, The, Shelby, assignor to The Crystal Waxing Company, Middletown, Ohio. Sheets of wax paper in packages. 172,018; Aug. 21; Serial No. 171,286; published May 22, 1923.

Siebert-Constable Co., The, Columbus, Ohio. Hosiery. 172,152; Aug. 21.

Siegman, Arthur, Inc., New York, N. Y. Ladies' and gentlemen's cravats. 172,156; Aug. 21.
Silver Palm Citrus Growers Association, Naranja, Fla. Fresh citrous fruits. 172,025; Aug. 21; Serial No. 170,044; published May 29, 1923.
Smith, Kline & French Co., Philadelphia, Pa. Whisky. 172,178; Aug. 21.
South Bend Wholesale Grocery Company, South Bend, Ind. Canned fruits, pickles, tomato catchup, vinegar, etc. 172,191; Aug. 21.
Speidel, Fr., Pforzheim, Germany, and Providence, R. I. Chains, fobs, pendants, bracelets, etc. 171,999; Aug. 21; Serial No. 167,494; published Jan. 2, 1923.
Sperry Textile Corporation, Mohawk, N. Y. Coats. 172,171; Aug. 21.
Standard Manufacturing Company, Erie, Pa. Trousers. 172,048; Aug. 21; Serial No. 154,335; published May 22, 1923.
Standard Ring Co., Inc., Boston, Mass. Finger rings. 171,998; Aug. 21; Serial No. 167,540; published May 8, 1923.
Steam Power Publishing Corporation, Chicago, Ill. Monthly magazine. 172,037; Aug. 21; Serial No. 160,725; published May 22, 1923.
Stroschein, Johann E., Berlin, Germany, assignor to The Chemical Foundation, Incorporated, Wilmington, Del. Remedy for diabetes. 23,493; renewed Aug. 15, 1923.
Sun-Herald Corporation, The, New York, N. Y. Cartoon serials. 172,080; Aug. 21; Serial No. 176,370; published May 22, 1923.
Sunset Paint Company, Los Angeles, Calif. Medium flat varnish, brown japan, and brown varnish, etc. 172,053; Aug. 21; Serial No. 127,667; published Nov. 9, 1920.
Sunset Paint Company, Los Angeles, Calif. House paint, floor finish, wall-paint reducer, color varnish. 172,054; Aug. 21; Serial No. 127,665; published Aug. 31, 1920.
Superior Clothing Company, The, New York, N. Y. Pants, vests, and coats. 172,151; Aug. 21.
Suspender, W. B., House. (See Wechsler, Isaac.)
Sweater & Knitted Textile Publicity Bureau, Inc., New York, N. Y. Knitted outer garments. 172,164–6; Aug. 21.
Times Printing Company of Seattle, Seattle, Wash. Newspaper supplement. 172,060–1; Aug. 21; Serial Nos. 177,704–5; May 22, 1923.
Traffic Control, Incorporated, Milwaukee, Wis. Traffic lights. 172,012; Aug. 21; Serial No. 175,417; published May 8, 1923.
Transogram Co., Inc., Brooklyn, N. Y. Paper boxes. 172,173; Aug. 21.
Tribune Company, The, Chicago, Ill. Newspaper and newspaper supplements published daily. 172,059; Aug. 21; Serial No. 177,706; published May 22, 1923.
U. S. Hame Company, Buffalo, N. Y. Hame attachments. 172,055; Aug. 21; Serial No. 178,481; published May 29, 1923.
United States Gypsum Company, Chicago, Ill. Calcined gypsum, stucco, and wall plaster. 172,143; Aug. 21; Serial No. 176,862; published May 29, 1923.
United States Gypsum Company, Chicago, Ill. Plaster board and plaster wall board. 172,145; Aug. 21; Serial No. 177,804; published May 29, 1923.
United Turkey Red Company, Limited, Glasgow, Scotland. Outer garments, headwear, work, negligee, and dress shirts, and blouses, etc. 172,035; Aug. 21; Serial No. 162,787; published May 22, 1923.
Vaughan and Bushnell Manufacturing Company, Chicago, Ill. Handled hammers, hatchets, axes, adzes, and sledges. 172,023; Aug. 21; Serial No. 170,227; published Feb. 27, 1923.
Vogt Brothers Mfg. Co., Louisville, Ky. Refrigerating machinery and refrigerators. 172,038; Aug. 21; Serial No. 160,218; published May 22, 1923.
Wechsler, Isaac, doing business as W. B. Suspender House, New York, N. Y. Suspenders, belts, and garters. 172,043; Aug. 21; Serial No. 157,704; published May 22, 1923.
West Branch Knitting Company, Milton, Pa. Union suits and hosiery. 172,022; Aug. 21; Serial No. 170,453; published June 5, 1923.
Westmoreland Candy Company, Richmond, Va. Candy. 172,046; Aug. 21; Serial No. 154,677; published May 22, 1923.
Whiting Paper Company, Holyoke, Mass. Writing paper and mailing envelopes. 171,983; Aug. 21; Serial No. 178,888; published May 22, 1923.
Whitman, Samuel, New York, N. Y. Ladies' hats. 172,114; Aug. 21; Serial No. 175,900; published May 22, 1923.
Wichert Inc., Brooklyn, N. Y. Boots, shoes, and slippers. 172,127; Aug. 21; Serial No. 174,806; published May 22, 1923.
Wilhelm, Henry, Company, Pittsburgh, Pa. Sheet glue. 172,056–7; Aug. 21; Serial No. 178,319–20; published May 29, 1923.
Wolf Brothers & Company, Inc., Washington, D. C. Hosiery. 172,167; Aug. 21.
Woman's World Magazine Co., Inc., Chicago, Ill. Quarterly magazine. 172,070; Aug. 21; Serial No. 177,342; published May 22, 1923.

ALPHABETICAL LIST OF REGISTRANTS OF LABELS.

Dexter, Stephen B., Los Angeles, Calif. Stop Cough Chewing Gum. For Chewing Gum. 26,337; Aug. 21.
Dexter, Stephen B., Los Angeles, Calif. Stop-To-Bac Chewing Gum. For Chewing Gum. 26,338; Aug. 21.

ALPHABETICAL LIST OF TRADE-MARK APPLICANTS.

PUBLISHED FOR OPPOSITION.

[Act of Feb. 20, 1905, Sec. 6, as amended Mar. 2, 1907.]

Abbott Laboratories, Chicago, Ill. N-butyl-ethyl-barbituric acid. 181,233; Aug. 21.
Abeeco Mill, Inc. Artificial-silk waste partly prepared. 179,912; Aug. 21.
Abraham & Straus, Inc., New York, N. Y. Cotton voiles and dress goods in the piece. 181,579; Aug. 21.
Activad Sign Service. (See Dawson, Harry C.)
Adsit and Rugg Inc., Burlington, Vt. Sheep-lined fur coats, overcoats, hosiery, knitted fabric underwear, etc. 174,421; Aug. 21.
Aeolian Company, The, New York, N. Y. Assembled radio transmitting and receiving sets. 166,124; Aug. 21.
Albany Perforated Wrapping Paper Co., Albany, N. Y. Toilet paper and paper towels. 182,529; Aug. 21.
Alfocorn Milling Company, doing business as Consolidated Mills Company, St. Louis, Mo. Stock feed. 177,811; Aug. 21.
Allegheny Steel Company, Brackenridge, Pa. Steel billets, sheets, forgings, round bars, and rounds. 179,698; Aug. 21.
Alsdorf, A. J., Corporation, The, Chicago, Ill. Oil heaters. 180,678; Aug. 21.
Ambrosia Chocolate Co., Milwaukee, Wis. Candy. 168,094; Aug. 21.
American Diamond & Jewelry Co. (See Shapiro, Esther C.)
American Hominy Company, Chicago, Ill. Hominy. 178,156; Aug. 21.
American Radio Relay League, Inc., The, Hartford, Conn. Booklets or pamphlets. 177,159; Aug. 21.
American Soldier Co., The, Glendale, Brooklyn, and New York, N. Y. Games and toys. 180,648; Aug. 21.
Anderson, Clayton & Co., Houston, Tex. Raw cotton. 181,804; Aug. 21.
Andrews, H. P., Paper Company, New York, N. Y. Index bristol paper. 167,753; Aug. 21.
Andrews, H. P., Paper Company, New York, N. Y. Bond paper. 167,754; Aug. 21.
Andrews, H. P., Paper Company, New York, N. Y. Ledger paper. 167,757; Aug. 21.
Andrews, H. P., Paper Company, New York, N. Y. Index bristol paper. 171,405; Aug. 21.
Andrews, H. P., Paper Company, New York, N. Y. Thin soft paper. 171,407; Aug. 21.
Arcady Farms Milling Company, Chicago, Ill. Prepared stock feed. 178,205; Aug. 21.
Associated Merchandising Corporation, Newark, N. J., and New York, N. Y. Women's dresses and hosiery. 172,194; Aug. 21.
Atwater Kent Manufacturing Company, Philadelphia, Pa. Radio telegraph and telephone instruments and sets and parts therefor, etc. 180,410; Aug. 21.
Bab, Inc., New York, N. Y. Ladies', misses', and children's knitted dresses, suits, waists, blouses, etc. 176,532; Aug. 21.
Baker, Hamilton & Pacific Company, San Francisco, Calif. Adzes, auger bits, axes, backsaws, etc. 170,354; Aug. 21.
Baker-Perkins Manufacturing Corporation, Saginaw, Mich. Baking ovens. 177,581; Aug. 21.
Banks, Chester O., also doing business as C. O. Banks Co., Monrovia, Calif. Fresh citrous fruits. 180,831; Aug. 21.

PUBLISHED FOR OPPOSITION.

[Act of Feb. 20, 1905, Sec. 6, as amended Mar. 2, 1907.]

Bate, Warwick G., Newton Falls, Ohio. Prayer and motto cards. 178,544; Aug. 21.
Battle Creek Food Company, The, Battle Creek, Mich. Cereal breakfast foods. 176,247; Aug. 21.
Bay State Milling Co., Winona, Minn. Wheat flour. 175,061; Aug. 21.
Beegle Packing Co., Ketchikan, Alaska. Canned salmon. 181,106; Aug. 21.
Belo, A. H., & Company, Incorporated, Galveston, Tex. Daily newspaper. 174,880; Aug. 21.
Belo, A. H., & Company, Incorporated, Galveston and Dallas, Tex. Daily newspaper. 174,881–2; Aug. 21.
Belo, A. H., & Company, Incorporated, Galveston and Dallas, Tex. Semiweekly agricultural newspaper. 174,883; Aug. 21.
Besson & Co. Ltd., London, England. Wind musical instruments. 177,066; Aug. 21.
Bickmore Company, The, Old Town, Me. Healing powder for wounds and sores on all kinds of live stock. 179,454; Aug. 21.
Blumenthal, Sidney, & Co. Inc., New York, N. Y. Pile fabrics in the piece. 182,201; Aug. 21.
Bolliver Packing Company, San Diego, Calif. Olives. 180,835; Aug. 21.
Bonvier Laboratories, Inc., Haverhill, Mass. Greaseless hair dressing. 181,335; Aug. 21.
Brandes, Max, Brooklyn, N. Y. Corn salve. 177,768; Aug. 21.
Branford Electric Company, Inc., New York, N. Y. Electric appliances. 172,634; Aug. 21.
Braun, J. H., & Co., Chicago, Ill. Coffee and tea. 177,267; Aug. 21.
Brooks, Geo., & Son Company, Philadelphia, Pa. Piece goods of cotton and silk for draperies. 180,045; Aug. 21.
Brown, Claude A., doing business as Brownie Fruit Company, Los Angeles, Calif. Fresh vegetables, fresh grapes, and fresh cantaloupes. 178,216; Aug. 21.
Brownie Fruit Company. (See Brown, Claude A.)
Brunelle Drug Co., Woonsocket, R. I. Medicinal preparation for indigestion, dyspepsia, etc. 181,057; Aug. 21.
Buchanan, J. W., doing business as Nu-Pep Laboratories, Union, S. C. Vegetable general tonic for human use. 181,173; Aug. 21.
Bussmann Manufacturing Company, St. Louis, Mo. Portable electric lamps. 180,746; Aug. 21.
Buxton, David H., doing business as Buxton Rheumatic Medicine Co., Abbott Village, Me. Compound for treating rheumatism. 180,961; Aug. 21.
Caldwell, William, New York, N. Y. Dolls, rubber dolls, balloons, squawkers. 179,709; Aug. 21.
California By-Products Co., San Francisco, Calif. Waterproofing composition for application to tennis-racket strings. 179,514; Aug. 21.
California Prune & Apricot Growers, Inc., assignor to California Prune & Apricot Growers Association, San Jose, Calif. Salad and cooking oils, macaroon paste, and crystallized fruit candies, etc. 172,932; Aug. 21.
Callow, Horace F., doing business as Keklonga Scalp Tonic Company, Decatur, Ind. Medical compounds used to cleanse the scalp, etc. 178,426; Aug. 21.
Cardilli, Nicholas, New York, N. Y. Perforated music rolls. 180,584; Aug. 21.
Chance Brothers and Co. Limited, West Smethwick, Stafford, England. Glass. 182,086; Aug. 21.
Chandler, Mary W., doing business as Takof Company, Cleveland Heights, Ohio. Tweezers for removing superfluous hair. 180,588; Aug. 21.
Chautauqua Phonograph Company, Inc., Wilmington, Del., and Washington, D. C. Phonographs. 165,580; Aug. 21.
Chicago Paper Company, Chicago, Ill. Printing and writing paper. 171,786; Aug. 21.
Circle Music Publishing Company, The, Cincinnati, Ohio. Musical instruments and supplies therefor. 177,216; Aug. 21.
Claflin, Emily R., Santa Monica, Calif. Fruit marmalades. 177,362; Aug. 21.
Coast Tire and Rubber Company, Oakland, Calif. Rubber tires. 179,656–7; Aug. 21.
Colgate & Company, Jersey City, N. J. Soap for shaving. 176,250; Aug. 21.
Colwell Drug Company, Pawnee City, Nebr. Poultry powder. 181,012; Aug. 21.
Commercial Chemical Company, Memphis, Tenn. Insecticides. 179,460; Aug. 21.
Conley, Guy C., Spokane, Wash. Parlor board game played with pieces. 178,714; Aug. 21.
Consolidated Mills Company. (See Alfocorn Milling Company.)
Cook, Ellen T., Buffalo, N. Y. Emollient for treating feet. 173,701; Aug. 21.
Corle, Elisha L., Hutchinson, Kans. Phonograph. 164,157; Aug. 21.
Cortland Lime Co. Inc., Cortland, N. Y. Silk fishing lines. 164,386; Aug. 21.
Cutino Company, The, Kansas City, Mo. Toilet combs. 178,229; Aug. 21.
Dale, Forty & Co., Ltd., London, England. Valve receiving and transmitting sets and crystal receiving sets. 175,304; Aug. 21.
Danya, Inc., New York, N. Y. Rouge vanishing cream. 178,231; Aug. 21.
Daving, Joseph, New York, N. Y. Watches. 180,754; Aug. 21.
Davis, Lucie R., Independence, Kans. Hair grower. 180,966; Aug. 21.
Dawn Mfg. Co., The, Bridgeport, Conn. Clothes or laundry washing machines and clothes wringers. 174,237; Aug. 21.
Dawson, Harry C., doing business as Activad Sign Service, Columbus, Ohio. Signs for mechanical advertising purposes. 179,033; Aug. 21.
Defiance Grocery Company, The, Defiance, Ohio. Coffee, tea, cocoa, spices, breakfast cereals, etc. 177,367; Aug. 21.
Dello Ink Corp., New York, N. Y. Writing ink. 178,658–9; Aug. 21.
Diamond Expansion Bolt Co., New York, N. Y. Rings for stringing bridle wires. 179,782–3; Aug. 21.
Direct Chocolate Company, Inc., Fall River, Mass. Candy. 180,755; Aug. 21.
Doll, Jacob, & Sons, New York, N. Y. Pianofortes, pianos, and phonographs. 179,138; Aug. 21.
Dolly Madison Dresses, Inc., New York, N. Y. Misses' dresses. 157,760; Aug. 21.
Ebling Company, The, New York, N. Y. Concentrated commercial diastase. 181,065; Aug. 21.
Elfers, William R., New York, N. Y. Articles made of or plated with precious metals. 179,139; Aug. 21.
Elgin Silversmith Co., New York, N. Y. Silverware. 178,982; Aug. 21.
Elkhorn Coal Company, Lexington, Ky. Coal. 180,593; Aug. 21
El Zair, Inc. (See Thompson-Barlow Company, assignor.)
Enterprise Foundry Company, Belleville, Ill. Pipe and pipeless cast-iron warm-air furnaces. 167,805; Aug. 21.
Ewing, Charles E., doing business as Ewing Kutzit Soap Manufacturing Company, Lincoln, Nebr. Soap compounds. 180,424; Aug. 21.
Ewing, William I., Atlanta, Ga. Inner-tube patches, inner tubes, tire shoes, and automobile tires. 175,924; Aug. 21.
Fansteel Products Company, Inc., North Chicago, Ill. Contact points. 181,520; Aug. 21.
Fitzpatrick, L. A., doing business as The Fitzpatrick Company, Helena, Ark. Preparations for straightening the hair. 179,932; Aug. 21.
Fletcher, John D., assignor to Ryco Extract Company, Louisville, Ky. Beverage sold as a soft drink. 140,791; Aug. 21.
Fort Howard Paper Company, Green Bay, Wis. Toilet paper. 182,049; Aug. 21.
Franco-American Baking Co., Los Angeles, Calif. Rolls and bread. 176,401; Aug. 21.
Franklin Ice Cream Company, Kansas City, Mo. Ice cream. 178,437; Aug. 21.
Frederick Piano Company, New York, N. Y. Pianofortes, pianos, and phonographs. 179,594; Aug. 21.
Fredericksburg Brewing Company. (See Wielands Incorporated.)
Free & Klinck, Inc., Brooklyn, N. Y. Canned fruits and vegetables. 181,020; Aug. 21.
Friedman Bros. & Sons Neckwear Co. Inc., New York, N. Y. Ties, cravats, four-in-hand ties, and bow ties. 176,402; Aug. 21.
Frontier Elevator & Mill Company, Buffalo, N. Y. Wheat flour. 177,730; Aug. 21.
Galeton Dairy Products Company, Galeton, Pa. Butter. 177,837; Aug. 21.
Gasifier Company, The, Elizabeth, N. J. Hydrocarbon-fuel burners. 180,214; Aug. 21.
Gastone Co., The, Rocky Mount, N. C. Medicine. 179,266; Aug. 21.
Gatlin and Gatlin, Los Angeles, Calif. Canned fish. 181,562; Aug. 21.
General Water Heater Corporation, Los Angeles, Calif. Water heaters. 180,856; Aug. 21.
Genesee Pure Food Company, The, Le Roy, N. Y. Compound for use in the preparation of jellies, desserts, and pastries. 178,998; Aug. 21.
Gilbert Paper Co., Menasha, Wis. Bond, ledger, and writing paper. 182,411; Aug. 21.
Gillett, Ralph J., Importing Company, The, Cleveland, Ohio. Jewelry, tableware, etc. 154,589; Aug. 21.
Gimbel Brothers, Inc., New York, N. Y. Golf balls. 178,916; Aug. 21.
Goldberg, Eli F., doing business as Lewgold Imports, Syracuse, N. Y. Saws. 180,977; Aug. 21.
Hallerczyk Cigar Company, Chicago, Ill. Cigars. 165,626; Aug. 21.
Handley, Homer J., Chappell, Nebr. Skin lotion. 181,276; Aug. 21.
Harrisburg Colliery Company, Chicago, Ill. Coal. 182,584; Aug. 21.
Haskins Brothers & Company, Sioux City, Iowa, and Omaha, Nebr. Soap. 178,609; Aug. 21.
Haskins Brothers & Company, doing business as Petroleum Soap Company, Omaha, Nebr., Sioux City, Iowa, and St. Paul, Minn. Laundry soap. 175,194; Aug. 21.

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[Act of Feb. 20, 1905, Sec. 6, as amended Mar. 2, 1907.]

Heidelberger Federhalter-Fabrik Koch, Weber & Co. A.-G., Heidelberg, Germany. Penholders and fountain pens. 178,339; Aug. 21.

Heidelberger Federhalter-Fabrik Koch, Weber & Co. A.-G., Heidelberg, Germany. Fountain pens, penholders, pencils, etc. 178,340; Aug. 21.

Hickok, Clarence G., doing business as Scribner's Ink Co., Portland, Oreg. Writing inks. 175,312; Aug. 21.

High Tension Supplies Co., Wilmington, Del. Radio lightning arresters. 180,763; Aug. 21.

Hill-Hoel Mfg. Co., South Bend, Ind. Cedar chests. 181,944; Aug. 21.

Hoffmann, John, & Sons Co., Milwaukee, Wis. Evaporated milk, canned vegetables, fruit, fish, etc. 178,249; Aug. 21.

Hohner, M., New York, N. Y. Mouth harmonicas. 179,794; Aug. 2.

Hollander-Lewis Co., Inc., Pittsburgh, Pa. Men's trousers. 174,447; Aug. 21.

Hoppe, Emil, Elizabeth, N. J. Carrousels. 181,945; Aug. 21.

Huber, Rudolfo, Nashville, Tenn. Pocket calculating machines. 160,288; Aug. 21.

Humil Corporation, The, New York, N. Y. Electric heating apparatus for heating rivets, slugs, etc. 181,190; Aug. 21.

Hymer, Ralph N., doing business as Hymer's Hair Tonic Co., Salem, Oreg. Medicines for treatment of dandruff and eczema. 180,701; Aug. 21.

Independent Breweries Company, The, also doing business as Independent Products Company, St. Louis, Mo. Malt sirup for food purposes. 178,849; Aug. 21.

International Milling Company, Minneapolis, Minn. Wheat flour. 178,044; Aug. 21.

International Trade Developer, Inc., Chicago, Ill. Bimonthly and annual publication. 176,187; Aug. 21.

Internationale Galalith-Gesellschaft Hoff & Co., Harburg, Germany. Casein for the production of artificial horn. 174,522; Aug. 21.

Jack Tire & Rubber Company, Spokane, Wash. Pneumatic automobile tires and inner tubes. 179,601; Aug. 21.

Jackson & Finkenaur, New York, N. Y. Radio receiving sets. 168,925; Aug. 21.

Jeffrey Manufacturing Co., The, Columbus, Ohio. Excavating, elevating, and conveying machinery. 176,347; Aug. 21.

Johnson, Mary W., doing business as The Johnson Electric Mfg. Co., Warren, R. I. Fittings for electric conduits. 182,054; Aug. 21.

Johnson, Mary W., doing business as The Johnson Electric Mfg. Co., Warren, R. I. Fittings for electric conduits. 182,152; Aug. 21.

Johnson, William H., New York, N. Y., assignor to The Tin Decorating Company of Baltimore, Baltimore, Md. Peanut butter, butter, cereals, spices, coffee, tea, chocolate, etc. 162,932; Aug. 21.

K. S. F. Co. Inc., The, New Haven, Conn. Preparations for cleaning and polishing automobile running gears, etc. 175,873; Aug. 21.

Kahn, William P., Corporation, The, St. Louis, Mo. Chemical preparation for the treatment of the skin. 180,980; Aug. 21.

Keklonga Scalp Tonic Company. (See Callow, Horace F.)

Kennedy, Colin B., Company, The, St. Louis, Mo. Radio receiving sets and parts therefor. 180,706; Aug. 21.

Kisker, John V., & Co., Cincinnati, Ohio. Eggs. 178,258; Aug. 21.

Kiss and Choka, Moline, Ill. Rail chairs. 175,250; Aug. 21.

Klauser, Arthur O., doing business as The Von Kapff Inhaler Co., Toledo, Ohio. Medicines for respiratory passages. 173,091; Aug. 21.

Krazifor American Toy Co., Hartford, Conn. Toys. 179,476; Aug. 21.

Kubota, Seiichi, Tokyo, Japan. Preparation for cancer. 173,891; Aug. 21.

Kux Bleiweiss Company, The, Cleveland, Ohio. Ladies' coats, suits, skirts, and dresses. 180,185; Aug. 21.

La Borie, Louis, Rochester, N. Y. Toonin, a table game. 181,196; Aug. 21.

Lausser, Frederick, & Son, New York, N. Y. All-wool coating. 181,694; Aug. 21.

Leach, C. H., Company, Boston, Mass. Oil condensers, heat exchangers, and dephlegmators. 169,719; Aug. 21.

Lee, Harry C., & Company, New York, N. Y. Tennis rackets. 179,277; Aug. 21.

Lee, Harry C., & Company, New York, N. Y. Golf balls. 179,278; Aug. 21.

Lee-Strauss Co., Johnstown, Pa. Antifreeze preparation for automobile radiators. 181,344; Aug. 21.

Leeco Citrus Growers' Association, Fort Myers, Fla. Fresh citrous fruits. 180,867; Aug. 21.

Leigh Chemist, Inc., New York, N. Y. Perfumes. 181,288; Aug. 21.

Lewgold Imports. (See Goldberg, Eli F.)

Life O Wheat Milling & Baking Co. (See Sampson, Paul O.)

Life Planning Institute, Chicago, Ill. Books and pamphlets of an educational nature. 157,069; Aug. 21.

Lightfoot Schultz Company, Hoboken, N. J. Soaps. 179,107; Aug. 21.

Lion Knitting Mills. (See Neuman & Silver.)

Locci, Matte, doing business as Matte Locci Co., Chicago, Ill. French dressing, olive oil, cheese, and cheese dressing. 178,265; Aug. 21.

Loeser, David, doing business as New York Intravenous Laboratory, East Orange, N. J., and New York, N. Y. Publications. 160,196; Aug. 21.

Lowe, Joe, Co. Inc., Brooklyn, N. Y. Cake and cake mix. 178,109; Aug. 21.

Lowell Products Company. (See Morrissey, Frank T.)

Ludlum Steel Company, Watervliet, N. Y. Alloy steel. 162,749–50; Aug. 21.

McCall, John O., doing business as The Odontex Company, Buffalo, N. Y. Toothbrushes. 181,607; Aug. 21.

Mabee, Charles R., Chicago, Ill. Live-stock feeds. 173,971; Aug. 21.

MacLean Drug Company, Chicago, Ill. Flotation devices, tennis balls, toy vehicles, etc. 178,755; Aug. 21.

Magic Leather Treatment Company, Detroit, Mich. Preparation for preserving and making flexible canvas and leather belting. 175,257; Aug. 21.

Magnus Chemical Company (Inc.), Brooklyn, N. Y. Soap and soap mixtures. 180,543; Aug. 21.

Magnus, S. W., & Co., New York, N. Y. Handkerchiefs. 182,160; Aug. 21.

Maltese Textile Corporation, New York, N. Y. Cotton goods in the piece. 177,498; Aug. 21.

Marshall Field & Company, Chicago, Ill. Perfume. 179,523; Aug. 21.

Marshall-Wells Company, Duluth, Minn. Sand, emery, and garnet paper, emery and garnet cloth, sharpening stones, etc. 178,532; Aug. 21.

Matson, Francis G., Washington, D. C. Edible food comprised of a frankfurter incased in dough baked with the frankfurter. 177,857; Aug. 21.

Matson, Francis G., Washington, D. C. Edible food comprised of a frankfurter incased in dough baked with the frankfurter. 177,918; Aug. 21.

Melachrino, Miltiades, New York, N. Y. Cigarettes. 177,859; Aug. 21.

Memphis Sash & Door Co., Memphis, Tenn. Doors and sashes. 181,136; Aug. 21.

Merrell, J. S., Drug Company, St. Louis, Mo. Boric, carbolic, oxalic, and salicylic acids, denatured alcohol, etc. 179,544–5; Aug. 21.

Merrimac Laboratories, Inc., New York, N. Y. Nail polish. 180,021; Aug. 21.

Meyers, H., Co. Inc., New York, N. Y. Silk, cotton, and textiles in the piece and by the yard. 182,254; Aug. 21.

Microba Antiseptic Co., Grand Forks, N. Dak. Cocoanut-oil shampoo. 180,613; Aug. 21.

Midland Grocery Company, The, Columbus, Ohio. Tea and coffee. 181,346; Aug. 21.

Miller Lock Company, Philadelphia, Pa. Frying pans. 179,877; Aug. 21.

Model Mill Company, Jackson, Tenn. Self-rising wheat flour. 175,803; Aug. 21.

Morrissey, Frank T., doing business as Lowell Products Company, Lowell, Mass. Food-flavoring extracts. 158,534; Aug. 21.

Mosse, Incorporated, New York, N. Y. Bed sheets, pillowcases, bedspreads, table linens, towels. 180,022; Aug. 21.

Mueller & Goetz, Galion, Ohio. Preparation for cleaning clothes and fabrics. 180,452; Aug. 21.

Muir, Chas. S., doing business as The Polaris Co., Washington, D. C. Parlor board game. 181,301; Aug. 21.

Nelson Baker & Company, Detroit, Mich. Face powder and cold cream. 180,940; Aug. 21.

Nelson, Fader F., Los Angeles, Calif. Phonographs, phonograph parts, and phonograph records. 179,948; Aug. 21.

Neuman & Silver, doing business as Lion Knitting Mills, Philadelphia, Pa. Sweaters. 175,511; Aug. 21.

New York Blue Print Paper Co., New York, N. Y. Tracing paper. 181,906; Aug. 21.

New York Canners, Inc., Rochester, N. Y. Canned fruits and vegetables. 168,722; Aug. 21.

New York Intravenous Laboratory. (See Loeser, David.)

North American Mercantile Co., San Francisco, Calif. Rice. 176,356; Aug. 21.

Northfield Flour Mills Company, Northfield, Minn. Wheat flour. 176,422–4; Aug. 21.

Nu-Pep Laboratories. (See Buchanan, J. W.)

Odontex Company, The. (See McCall, John O.)

Organic Preparations Co. Inc., Brooklyn, N. Y. Liquid preparation, remedy, or tonic for nervous diseases, etc. 181,040; Aug. 21.

Parke, Davis & Company, Detroit, Mich. Hypnotic and antispasmodic. 170,781; Aug. 21.

Parke, Davis & Company, Detroit, Mich. Insecticide, antiseptic, and germicide. 181,306; Aug. 21.

Pathfinder Publishing Co., The, Washington, D. C. Weekly publication. 180,387; Aug. 21.

PUBLISHED FOR OPPOSITION.

[Act of Feb. 20, 1905, Sec. 6, as amended Mar. 2, 1907.]

Peninsular Paper Company, Ypsilanti, Mich. Cover paper. 178,279; Aug. 21.

Peters, M. C., Mill Co., Omaha, Nebr. Poultry feeds. 177,991; Aug. 21.

Peters, M. C., Mill Co., Omaha, Nebr. Poultry feeds. 177,993; Aug. 21.

Petroleum Soap Company. (See Haskins Brothers & Company.)

Pfaltz & Bauer, Inc., New York, N. Y. Yarns, silks, and threads. 181,773; Aug. 21.

Pittsburgh Plate Glass Co., Rennous-Kleinle Division, Baltimore, Md. Paint, varnish, whitewash, sash, calcimine, etc., brushes. 162,197; Aug. 21.

Plant, Theis & Gould Paper Company, Chicago, Ill. Tympan paper. 181,146; Aug. 21.

Plant, Theis & Gould Paper Company, Chicago, Ill. Writing, bond, and ledger paper. 181,147; Aug. 21.

Plaza Music Company, New York, N. Y. Phonographs. 179,110; Aug. 21.

Polaris Co., The. (See Muir, Chas. S.)

Pope, Angelo D., New York, N. Y. Gelatinous compound and nonalcoholic preparation for the relief of dyspepsia, loss of appetite, etc. 179,282; Aug. 21.

Puffer-Hubbard Manufacturing Company, Minneapolis, Minn. Child's wagon tire. 179,551; Aug. 21.

Puget Sound Oil Works, Inc., Seattle, Wash. Vegetable oil. 140,398; Aug. 21.

Puritas Farms, Inc., Newburgh, N. Y. Dairy products. 151,098; Aug. 21.

Putnam-Hooker Company, The, Cincinnati, Ohio, and New York, N. Y. Gray and colored, bleached, dyed, napped fabrics; knitted, netted, and textile fabrics. 148,033; Aug. 21.

Pyrene Manufacturing Company, Newark, N. J. Fire-extinguishing compounds. 181,043; Aug. 21.

Quaker Oats Company, The, Chicago, Ill. Poultry feed. 174,922; Aug. 21.

Quinlan, Kathleen M., New York, N. Y. Toilet creams and astringents. 180,986; Aug. 21.

Rand & Crane, Inc., Boston, Mass. Preparation for cleaning and polishing jewelry, etc. 180,141; Aug. 21.

Rathbun, Milo D., Grand Rapids, Mich. Locks for radiator caps for automobiles. 179,284; Aug. 21.

Rauscher, Charles A., & Co., Los Angeles, Calif. Mincemeat, plum pudding, and fig pudding. 177,622; Aug. 21.

Regal Supply Corporation, New York, N. Y. Baking powder and cream of tartar. 163,111; Aug. 21.

Rey & Rey, Roquefort-sur-Soulzon, France. Machines for slicing and cutting cheese. 179,743; Aug. 21.

Rich-Maid Mfg. Co. Inc., Richmond, Va. Pop-corn confection. 171,817; Aug. 21.

Richmond Dairy Company, Richmond, Va. Material for spraying trees and vegetables. 176,854; Aug. 21.

Roberts, P. A., Construction Co., Inc., The, Washington, D. C. Garages. 180,619; Aug. 21.

Rockcastle Cement & Lime Company, The, Baltimore, Md., and Pine Hill and Mount Vernon, Ky. Lime. 179,113; Aug. 21.

Rodefeld Mfg. Co., Richmond, Ind. Automobile timers. 182,184; Aug. 21.

Romeo, F., & Co. Inc., New York, N. Y. Olive oil. 167,364; Aug. 21.

Romer, Frank, Washington, D. C. Printed advertising matter. 180,239; Aug. 21.

Rosenberg, Henry, New York, N. Y. Fur pelts. 173,443; Aug. 21.

Rubber-Weld Sales Company, Boston, Mass. Rubber repair outfits. 174,215; Aug. 21.

Ryco Extract Company. (See Fletcher, John D., assignor.)

"S. & M." Dye Works, Inc., Philadelphia, Pa. Dyed yarns. 181,089; Aug. 21.

Salem, Joseph D., doing business as Salem Laboratory, Chicago, Ill. Tablets for constipation, liver, kidneys, stomach, and bowels. 178,000–1; Aug. 21.

Sampson, Paul O., doing business as Life O Wheat Milling & Baking Co., Portland, Oreg. Bread. 178,289; Aug. 21.

Saxrac Company, Los Angeles, Calif. Racks for supporting musical instruments when not in use. 169,530; Aug. 21.

Schmidt, Johan C., Copenhagen, Denmark. Grinding wheels and disks. 180,391; Aug. 21.

Schwab, H. W., Inc., New York, N. Y. Woolen piece goods. 177,925; Aug. 21.

Schwab, Louis, doing business as Stevens & Co., New York, N. Y. Tools and appliances for automotive vehicles, etc. 168,806; Aug. 21.

Scot Knit Hosiery Company, Harrisburg, Pa. Hosiery. 177,053; Aug. 21.

Scribners Ink Co. (See Hickok, Clarence G.)

Seaboard Chemical Company. (See Williams, Martin & Gray.)

Sedalia Manufacturing Company, Sedalia, Mo. Welding flux. 177,523; Aug. 21.

Selrite Products Inc., New York, N. Y. Animated-figure toys. 162,318; Aug. 21.

Shapiro, Esther C., doing business as American Diamond & Jewelry Co., Chicago, Ill. Pearls, pearl necklaces, and pearl-mounted jewelry. 173,444; Aug. 21.

Sheffield Mfg. Co., Burr Oak, Mich. Children's hand sleds. 174,530; Aug. 21.

Sheppard, George W., San Francisco, Calif. Parlor games. 175,217; Aug. 21.

Sherman Coffee Company, The, Sherman, Tex. Roasted and ground coffee. 178,475; Aug. 21.

Shotwell Mfg. Co., Chicago, Ill. Candies. 181,456; Aug. 21.

Sire & Petersen Wrench Co., De Witt, Nebr. 178,775; Aug. 21.

Societe Generale de Soie Artificielle par le Procede Viscose, Brussels, Belgium. Artificial-silk thread. 164,348; Aug. 21.

Spencer, George C., doing business as Spencer Perfume Company, South Bend, Ind. Face powders and creams, perfumes, etc. 180,989; Aug. 21.

Stanley Works, New Britain, Conn. Levels. 172,297; Aug. 21.

Steelcraft Engineering Company, Marion, Ind. Dies, jigs, special machinery, etc. 179,833; Aug. 21.

Stein & Ellbogen Company, Chicago, Ill. Watches. 150,779; Aug. 21.

Sterling Engine Co., Buffalo, N. Y. Internal-combustion engines. 180,777; Aug. 21.

Stevens & Co. (See Schwab, Louis.)

Strait, J. H., & Company, Redlands, Calif. Fresh citrous fruits. 181,319; Aug. 21.

Sun Patent Developing Co., The, St. Louis, Mo. Shoe heel plates, shoe, toe plates, and shoe toe protectors. 163,547; Aug. 21.

Sunbeam Electric Manufacturing Co., Evansville, Ind. Unitary electric light and power plants. 137,861; Aug. 21.

Takof Company. (See Chandler, Mary W.)

Tartaroff Co. (See Waddell, Walter H. and B.)

Tasty Baking Company, Philadelphia, Pa. Toasted sponge cake or slightly-sweetened bread. 175,684; Aug. 21.

Thompson-Barlow Company, Inc., The, assignor to El Zair, Inc., New York, N. Y. External lotion. 179,752; Aug. 21.

Thompson, George K., Boston, Mass. Radio receivers, head sets, loud speakers, phonograph adapters, etc. 179,630; Aug. 21.

Thompson, John R., Co., Chicago, Ill. Canned goods. 175,030; Aug. 21.

Tin Decorating Company of Baltimore. (See Johnson, William H., assignor.)

Touchet Valley Apple Co., Waitsburg, Wash. Fresh apples. 180,908–9; Aug. 21.

Traer, Will M., Jacksonville, Fla. Magazine. 174,040; Aug. 21.

Tremont & Suffolk Mills, Lowell, Mass. Cotton piece goods. 180,566; Aug. 21.

Twin Piston Ring Corporation, West Orange, N. J. Piston rings. 162,699; Aug. 21.

U-Sal Company. (See Weaver, George E.)

Ubiko Milling Company, The, Cincinnati, Ohio. Stock feed. 165,900; Aug. 21.

United Business Equipment Co., Boston, Mass. Folders, cards, guides, stationery, etc. 180,910; Aug. 21.

United Fruit Company, Boston, Mass. Dairy products. 163,242; Aug. 21.

United Fruit Company, Boston, Mass. Dairy products. 163,245; Aug. 21.

United States Foil Company, Louisville, Ky. Shredded tin foil for Christmas-tree and other decorative purposes. 166,964; Aug. 21.

United States Playing Card Company, The, East Norwood, Cincinnati, Ohio. Playing cards. 178,537–9; Aug. 21.

Urban, George Milling Company, Buffalo, N. Y. Poultry feeds. 177,336; Aug. 21.

Vinkemulder, Henry J., doing business as The Vinkemulder Co., Grand Rapids, Mich. Bananas. 160,168; Aug. 21.

Von Kopff Inhaler Co., The. (See Klauser, Arthur O.)

Vorgias, Louis, Chicago, Ill. Shoe polish, dressings, and cleaners. 180,348; Aug. 21.

Waddell, Walter H., and Bertha Waddell, doing business as Tartaroff Co., Chicago, Ill. Preparation for removing tartar, film and discolorations from the teeth. 180,993; Aug. 21.

Wakem, Harold R., doing business as Harold R. Wakem & Co., Chicago, Ill. Radio receiving and radio transmitting sets and the various parts thereof and radio head phones. 179,567; Aug. 21.

Wallenstein Industrial Corp., New York, N. Y. Elastic knitted goods in the piece. 182,489; Aug. 21.

Ward Baking Company, New York, N. Y. Bread, cake, and a vitamine-containing product. 168,183; Aug. 21.

Ward Baking Company, New York, N. Y. Bread. 174,501; Aug. 21.

Ward Baking Company, New York, N. Y. Bread. 170,512; Aug. 21.

Washburn-Crosby Company, Minneapolis, Minn. Wheat flour. 177,754; Aug. 21.

PUBLISHED FOR OPPOSITION.

[Act of Feb. 20, 1905, Sec. 6, as amended Mar. 2, 1907.]

Weaver, George E., doing business as U-Sal Company, New York, N. Y. Dental medicinal compound. 179,503; Aug. 21.
Weber & McCrea, Los Angeles, Calif. Binders for books, pamphlets, and papers. 180,996; Aug. 21.
Wells, S. C., & Co., Le Roy, N. Y. Herb tea. 179,633; Aug. 21.
Western Grain Company, Birmingham, Ala. Corn meal and grits, horse, cow, and hen feeds, etc. 175,117; Aug. 21.
White Company, The, Cleveland, Ohio. Toy vehicles. 180,458; Aug. 21.
Whitman, Stephen F., & Son, Philadelphia, Pa. Instantaneous chocolate, marshmallow, whip, flash chocolate, jiffy milk cocoa, etc. 174,419; Aug. 21.
Whitney, Henry A., Providence, R. I. Medicinal wafers for bronchial troubles. 179,760; Aug. 21.
Whittier, Charles T., New York, N. Y. Baking powder. 175,692; Aug. 21.
Wielands Incorporated, doing business as Frederickburg Brewing Company, San Francisco, Calif. Alcoholic malt or cereal beverages. 177,942; Aug. 21.
Williams, Martin & Gray, Inc., also doing business as Seaboard Chemical Company, Norfolk, Va. Insecticide. 179,909; Aug. 21.
Winorr Canning Company, The, Circleville, Ohio. Canned vegetables. 180,917; Aug. 21.
Wish, Fred A., Incorporated, New York, N. Y. Rubber balloons and inflated balls, toy and doll furniture, etc. 180,640; Aug. 21.
Wizard Products Company, Chicago, Ill. Twisted-wire brushes. 164,682; Aug. 21.
Wolfe, Abraham, doing business as Wolfe's Shoe Store, Plattsburg, N. Y. Corn salve. 176,866; Aug. 21.
Wood Craft Company, St. Pahl, Minn. Electric batteries. 182,030; Aug. 21.
Xcluso Auto Trunk & Specialty Corp., New York, N. Y. Hatboxes, suitcases, auto lunch kits, etc. 180,572; Aug. 21.

CLASSIFIED LIST OF TRADE-MARKS REGISTERED.

CLASS 1.

Rubber, Bituminous material for compounding. Barrett Company. 172,004; Aug. 21; Serial No. 173,692; published May 29, 1923.

CLASS 2.

Pails, cans, bread boxes, Water and dairy. Schlueter Manufacturing Co. 172,106; Aug. 21; Serial No. 172,903; published May 29, 1923.
Paper boxes. Transogram Co. 172,173; Aug. 21.

CLASS 3.

Hame attachments. U. S. Hame Company. 172,055; Aug. 21; Serial No. 178,481; published May 29, 1923.

CLASS 4.

Brake compound. Olsen-Moller Manufacturing Company. 172,107; Aug. 21; Serial No. 172,804; published May 1, 1923.
Cleaning and polishing preparations. F. A. Schulz and G. A. Philipp. 23,724; renewed Oct. 17, 1923.
Oils for preserving leathers and neat's-foot oil. New Zealand Refrigerating Company Limited. 172,036; Aug. 21; Serial No. 161,375; published May 22, 1923.
Polishing shoes, Ink for. A. Degerberg. 172,033; Aug. 21; Serial No. 163,436; published May 22, 1923.
Preparation used as a general household cleaner. Atlantic Laboratories. 172,026; Aug. 21; Serial No. 169,146; published May 22, 1923.
Scouring and polishing preparations. F. A. Schulz and G. A. Philipp. 23,820; renewed Nov. 14, 1923.
Soap. A. H. Beach. 172,027; Aug. 21; Serial No. 169,116; published May 22, 1923.
Washing compounds, Soluble. American Ammone Company. 172,177; Aug. 21.

CLASS 5.

Cement, External radiator. H. G. Hall. 172,175; Aug. 21.
Glue, Sheet. Henry Wilhelm Company. 172,056–7; Aug. 21; Serial Nos. 178,319–20; published May 29, 1923.
Patching hosiery and all fabrics, Laundryproof fluid for. New Way Laboratories. 172,180; Aug. 21.

CLASS 6.

Laxative for colds, headaches, etc. Pal Medicine Co. 172,185; Aug. 21.
Medicinal agents for nervous diseases and a febrifuge. Firm of E. Merck. 23,534; renewed Aug. 22, 1923.
Medicinal preparation. Eli Lilly & Company. 171,971; Aug. 21; Serial No. 166,382; published May 15, 1923.
Mordants, Firm of Th. Goldschmidt. 23,707; renewed Oct. 10, 1923.
Pharmaceutical preparation for the relief of headache, nerve pains, etc. Nicholas Proprietary Limited. 171,972; Aug. 21; Serial No. 165,796; published Nov. 7, 1922.
Pills, candy laxative, etc., Laxative. L. Kreisman. 172,190; Aug. 21.
Pills, diarrhea cordial, liniment, etc., Antibilious. F. S. Duffy. 172,196; Aug. 21.
Preparation of iron. Firm of E. Merck. 23,530–1; renewed Aug. 22, 1923.
Remedies for cancerous diseases. Firm of E. Merck. 23,537; renewed Aug. 22, 1923.
Remedies for diarrhea and gouty rheumatism. Chemische Fabrik, vormals Hofmann & Schoentensack. 23,927; renewed Dec. 19, 1923.
Remedies for whooping cough and asthmatic diseases. Firm of E. Merck. 23,536; renewed Aug. 22, 1923.
Remedies, Therapeutic. Chemische Fabric auf Actien, vormals E. Schering. 23,533; renewed Aug. 22, 1923.
Remedy for diabetes. J. E. Stroschein. 23,493; renewed Aug. 15, 1923.

CLASS 7.

Twines, rope, strings, and cordage. C. C. Davis. 172,194; Aug. 21.

CLASS 8.

Pipes. Barkmahn Company. 172,130; Aug. 21; Serial No. 174,602; published May 22, 1923.

CLASS 9.

Matches. Diamond Match Company. 171,973; Aug. 21; Serial No. 178,909; published May 22, 1923.
Matches. Diamond Match Company. 171,974–5; Aug. 21; Serial Nos. 178,912–13; published May 22, 1923.
Matches. Diamond Match Company. 171,984; Aug. 21; Serial No. 178,896; published May 22, 1923.
Matches. Diamond Match Company. 171,985–95; Aug. 21; Serial Nos. 178,898–908; published May 22, 1923.

CLASS 10.

Lime or pulverized limestone, Agricultural. New Castle Lime & Stone Company. 172,183; Aug. 21.

CLASS 11.

Paper, Carbon. Kee Lox Manufacturing Company. 172,001; Aug. 21; Serial No. 153,297; published May 8, 1923.

CLASS 12.

Asphalt. Kentucky Rock Asphalt Co. 172,147; Aug. 21; Serial No. 178,047; published May 29, 1923.
Gypsum, stucco, and wall plaster, Calcined. United States Gypsum Company. 172,143; Aug. 21; Serial No. 176,862; published May 29, 1923.
Laths and lumber. Bolcom Canal Lumber Co. 172,134; Aug. 21; Serial No. 176,012; published May 29, 1923.
Plaster-board and plaster wall board. United States Gypsum Company. 172,145; Aug. 21; Serial No. 177,804; published May 29, 1923.
Rubber tiling. Fellsway Rubber Co. 172,148; Aug. 21; Serial No. 178,338; published May 29, 1923.

CLASS 15.

Motor fuel, gasoline, oils, and greases. Dixie Co. 172,034; Aug. 31; Serial No. 163,259; published Oct. 31, 1922.
Oil, Motor-lubricating. Pennsylvania Petroleum Company. 172,050; Aug. 21; Serial No. 151,957; published Nov. 8, 1921.
Oils and greases, Lubricating. Harwood Brothers, Inc. 172,032; Aug. 21; Serial No. 163,632; published Nov. 7, 1922.

CLASS 16.

Colors, varnishes, and driers, Artists'. J. G. Müller & Co. 23,457; renewed Aug. 8, 1923.
Paint, floor finish, wall-paint reducer, color varnish, House. Sunset Paint Company. 172,054; Aug. 21; Serial No. 127,665; published Aug. 31, 1920.
Paints, enamels, varnish, etc. Indiana Indestructible Paint Co. 172,052; Aug. 21; Serial No. 128,971; published May 3, 1921.
Paints, varnish stains, and enamels. Con-Ferro Paint & Varnish Co. 172,174; Aug. 21.

Paints, varnishes, paint enamels, dry colors. Bradley-Wise Paint Company. 172,109; Aug. 21; Serial No. 172,464; published May 15, 1923.
Paints, varnishes, varnish removers, and enamel paints. Enterprise Paint Mfg. Co. 172,126; Aug. 21; Serial No. 174,828; published May 29, 1923.
Putty. Allen Paint & Putty Works. 172,197; Aug. 21.
Varnish, brown japan, liquid wax, etc., Medium flat. Sunset Paint Company. 172,053; Aug. 21; Serial No. 127,667; published Nov. 9, 1920.

CLASS 19.

Automobile bumpers. J. M. Hays Wood Products Company, Division of Standard Crate & Filler Company. 172,007; Aug. 21; Serial No. 172,629; published May 29, 1923.

CLASS 21.

Aerial insulators and radio panels. American Hard Rubber Company. 172,142; Aug. 21; Serial No. 176,778; published May 8, 1923.
Batteries and parts, Storage. Mack Battery Company. 172,150; Aug. 21; Serial No. 169,065; published May 22, 1923.
Condensers, Electrical. L. A. Hazeltine. 172,139; Aug. 21; Serial No. 176,678; published May 8, 1923.
Electric bulbs and lamps. P. Riesman. 172,015; Aug. 21; Serial No. 174,924; published May 8, 1923.
Electric gluepots, soldering irons, frying pans, etc. Rohne Electric Co. 172,192; Aug. 21.
Electrical controlling devices, etc. Allen-Bradley Company. 172,135; Aug. 21; Serial No. 176,438; published May 8, 1923.
Lightning arresters. T. Patrycki. 172,009; Aug. 21; Serial No. 175,884; published May 8, 1923.
Motors, Portable electric. Champion Appliance Manufacturing Company. 172,003; Aug. 21; Serial No. 170,926; published May 8, 1923.
Radio apparatus and parts therefor, Transformers used in. American Transformer Company. 172,013; Aug. 21; Serial No. 175,289; published May 1, 1923.
Radio apparatus, Dials made of hard rubber for. American Hard Rubber Company. 172,011; Aug. 21; Serial No. 175,694; published May 8, 1923.
Radio receiving sets. L. A. Hazeltine. 172,137; Aug. 21; Serial No. 176,676; published May 29, 1923.
Radio telephone and telegraph instruments and sets and parts therefor. Atwater Kent Manufacturing Company. 172,189; Aug. 21.
Sweepers, Electric suction. Hoover Company. 172,014; Aug. 21; Serial No. 175,245; published May 8, 1923.
Traffic lights. Traffic Control, Incorporated. 172,012; Aug. 21; Serial No. 175,417; published May 8, 1923.
Transformers, Electrical. L. A. Hazeltine. 172,138; Aug. 21; Serial No. 176,677; published May 8, 1923.
Vacuum cleaners, Electrically-driven. Landers, Frary & Clark. 172,010; Aug. 21; Serial No. 175,799; published May 8, 1923.

CLASS 23.

Hammers, hatchets, axes, adzes, and sledges, Handled. Vaughan and Bushnell Manufacturing Company. 172,023; Aug. 21; Serial No. 170,227; published Feb. 27, 1923.

CLASS 28.

Bracelets, finger rings, brooches, bar pins, and buttons. Hinckley Manufacturing Company. 171,997; Aug. 21; Serial No. 168,469; published May 8, 1923.
Buckles, thimbles, bracelets, etc. Calhoun, Robbins & Co. 172,008; Aug. 21; Serial No. 172,208; published May 8, 1923.
Chains, fobs, pendants, bracelets, etc. Fr. Speidel. 171,999; Aug. 21; Serial No. 167,494; published Jan. 2, 1923.
Necklaces, bracelets, brooches, etc. G. P. McKenna. 172,005; Aug. 21; Serial No. 173,606; published May 8, 1923.
Rings, Finger. B. F. Brogan. 172,140–1; Aug. 21; Serial Nos. 176,714–15; published May 8, 1923.
Rings, Finger. Standard Ring Co. 171,998; Aug. 21; Serial No. 167,540; published May 8, 1923.

CLASS 29.

Brooms and parts thereof. Pioneer Broom Co. 172,184; Aug. 21.
Brooms, Whisk. Pioneer Broom Co. 172,176; Aug. 21.

CLASS 31.

Ice and refrigerating machinery, ammonia compressors, receivers, and condensers, etc. Phœnix Ice Machine Co. 172,019; Aug. 21; Serial No. 170,785; published May 22, 1923.
Refrigerating apparatus. Automatic Refrigerating Company. 172,062; Aug. 21; Serial No. 177,645; published May 22, 1923.
Refrigerating machinery and refrigerators. Vogt Brothers Mfg. Co. 172,038; Aug. 21; Serial No. 160,218; published May 22, 1923.

CLASS 34.

Packing cases, Heated. E. G. F. Lockyer. 172,039; Aug. 21; Serial No. 158,989; published May 29, 1923.

CLASS 35.

Cement packing for joints. Polygon Products Co. 172,144; Aug. 21; Serial No. 177,514; published May 29, 1923.

CLASS 36.

Phonographs, Sound boxes for. Sears, Roebuck and Company. 172,002; Aug. 21; Serial No. 140,073; published May 8, 1923.
Talking-machine-record albums. Jordan Marsh Company. 172,146; Aug. 21; Serial No. 177,976; published May 8, 1923.

CLASS 37.

Books, Memoranda. Clipper Belt Lacer Company. 172,120; Aug. 21; Serial No. 175,301; published May 22, 1923.
Paper and mailing envelopes, Writing. Whiting Paper Company. 171,983; Aug. 21; Serial No. 178,888; published May 22, 1923.
Paper, Cover. Marvellum Company. 171,981–2; Aug. 21; Serial Nos. 178,856–7; published May 22, 1923.
Paper in packages, Sheets of wax. Shelby Wax Paper Company. 172,018; Aug. 21; Serial No. 171,286; published May 22, 1923.
Paper, paper napkins, towels, and tablecloths, Toilet. Fort Howard Paper Company. 172,017; Aug. 21; Serial No. 171,353; published Jan. 16, 1923.
Paper, paper napkins, towels, and tablecloths, Toilet. Fort Howard Paper Company. 172,084; Aug. 21; Serial No. 176,674; published Apr. 10, 1923.
Paper, Toilet. Peterson Paper Company. 172,082; Aug. 21; Serial No. 176,501; published May 22, 1923.
Pencils, Lead. American Lead Pencil Company. 172,128; Aug. 21; Serial No. 174,683; published May 22, 1923.
Pencils, pens, leads, and erasers. Ingersoll Redipoint Company. 172,095; Aug. 21; Serial No. 174,452; published May 22, 1923.
Radio record books. E. Fleming & Co. 172,063; Aug. 21; Serial No. 177,552; published May 22, 1923.
Stamps and coupons, booklets, etc., Trading. Bankee Corporation of America. 172,118; Aug. 21; Serial No. 175,421; published May 15, 1923.

CLASS 38.

Calendars. F. L. Serage. 172,079; Aug. 21; Serial No. 176,285; published May 22, 1923.
Cartoon serials. Sun-Herald Corporation. 172,080; Aug. 21; Serial No. 176,370; published May 22, 1923.
Cartoons, Series of. Bell Syndicate, Inc. 172,058; Aug. 21; Serial No. 178,086; published May 22, 1923.
Dictionaries. G. & C. Merriam Company. 172,131; Aug. 21; Serial No. 174,584; published May 22, 1923.
Magazine, Monthly. Oklahoma Publishing Company. 172,121; Aug. 21; Serial No. 175,265; published May 22, 1923.
Magazine, Monthly. Steam Power Publishing Corporation. 172,037; Aug. 21; Serial No. 160,725; published May 22, 1923.
Magazine, Name of a monthly. New York Law Review Corporation. 172,075; Aug. 21; Serial No. 176,032; published May 22, 1923.
Magazine, Quarterly. Woman's World Magazine Co. 172,070; Aug. 21; Serial No. 177,342; published May 22, 1923.
Magazines, Monthly. Needlecraft Publishing Company. 172,045; Aug. 21; Serial No. 155,444; published May 22, 1923.
Newspaper and newspaper supplements published daily. Tribune Company. 172,059; Aug. 21; Serial No. 177,706; published May 22, 1923.
Newspaper supplement. Times Printing Company of Seattle. 172,060–1; Aug. 21; Serial Nos. 177,704–5; published May 22, 1923.
Pamphlet. Butterick Publishing Company. 172,081; Aug. 21; Serial No. 176,447; published May 22, 1923.
Periodical, Weekly. Colcman-Dobson-Cannon Co. 172,132; Aug. 21; Serial No. 174,558; published May 22, 1923.
Photographic reproductions of pictures. L. A. Howland. 172,199; Aug. 21.
Posters, Advertising. E. F. Mack. 172,085; Aug. 21; Serial No. 176,682; published May 22, 1923.
Publication devoted to the farm-equipment industry, Monthly. Implement Age Company. 172,073; Aug. 21; Serial No. 177,000; published May 22, 1923.
Publication, Monthly. M. Freeman. 172,090; Aug. 21; Serial No. 176,892; published May 22, 1923.
Publication, Occasional. J. T. Igoe. 172,116; Aug. 21; Serial No. 175,721; published May 22, 1923.
Publication, Periodical. L. A. Heine. 172,089; Aug. 21; Serial No. 176,828; published May 22, 1923.
Publication published daily, Periodical. Norristown Herald, Inc. 172,092; Aug. 21; Serial No. 176,910; published May 22, 1923.
Publication, Semimonthly. Class Journal Company. 172,119; Aug. 21; Serial No. 175,385; published May 22, 1923.
Publications, House-organ. Goodyear Tire & Rubber Company. 172,044; Aug. 21; Serial No. 157,566; published May 8, 1923.

CLASS 39.

Apparel, Ladies' ready-to-wear. Millards. 172,195; Aug. 21.
Apparel, Ladies' wearing. J. B. Orkin Corp. 172,153; Aug. 21.
Apparel, Wearing. J. Maddocks. 23,502; renewed Aug. 15, 1923.
Bloomers, Ladies' fabric underwear. E. Munzer & Co. 172,047; Aug. 21; Serial No. 154,524; published May 22, 1923.
Boots and shoes, Leather. Chippewa Shoe Mfg. Co. 172,111; Aug. 21; Serial No. 172,261; published May 22, 1923.
Boots and shoes, Leather. Dugan & Hudson Co. 172,030; Aug. 21; Serial No. 166,655; published May 22, 1923.
Boots and shoes, Leather. A. C. Erickson. 172,129; Aug. 21; Serial No. 174,413; published May 22, 1923.
Boots and shoes, Leather. Charles K. Fox, Inc. 172,021; Aug. 21; Serial No. 170,374; published May 22, 1923.
Boots, shoes, and slippers. Wichert Inc. 172,127; Aug. 21; Serial No. 174,806; published May 22, 1923.
Boots, shoes, oxfords, and low quarters, Leather. Grossman Shoe Co. 172,078; Aug. 21; Serial No. 176,267; published May 22, 1923.
Caps, Men's and boys'. J. C. Penney Company. 172,088; Aug. 21; Serial No. 176,760; published May 22, 1923.
Coats. Sperry Textile Corporation. 172,171; Aug. 21.
Coats and like negligees, Breakfast. De Garcy Co. 172,149; Aug. 21; Serial No. 161,821; published June 19, 1923.
Coats, cloaks, capes, suits, etc. Salt's Textile Manufacturing Company. 172,158–60; Aug. 21.
Coats, vests, trousers, and overcoats. J. Lauterstein. 172,161; Aug. 21.
Collars. Phillip-Jones Corporation. 172,169–70; Aug. 21. Aug. 21.
Collars and silk ties, Soft. American Wholesale Corporation (Baltimore Bargain House). 172,162; Aug. 21.
Corsets. La Resista Corset Company. 172,000; Aug. 21; Serial No. 167,004; published May 29, 1923.
Cravats, Ladies' and gentlemen's. Arthur Siegman, Inc. 172,156; Aug. 21.
Garments, headwear, underwear, work, negligée, and dress shirts, and blouses, Outer. United Turkey Red Company Limited. 172,035; Aug. 21; Serial No. 162,787; published May 22, 1923.
Gloves, Fabric. S. & V. Company. 172,024; Aug. 21; Serial No. 170,225; published May 22, 1923.
Gloves, gauntlets, and mittens, Leather. Joseph N. Eisendrath Company. 172,104; Aug. 21; Serial No. 173,471; published May 22, 1923.
Hats. Hill and Loper Company. 172,041; Aug. 21; Serial No. 158,842; published May 22, 1923.
Hats. New England Panama Hat Co. 172,086; Aug. 21; Serial No. 176,756; published May 22, 1923.
Hats and caps, Men's and boys'. Charles S. Merton & Co. 172,101; Aug. 21; Serial No. 173,654; published May 22, 1923.
Hats for men. L. Shafarman, Inc. 172,093; Aug. 21; Serial No. 176,921; published May 22, 1923.
Hats for women. C. T. Hidgeon Millinery Co. 172,124; Aug. 21; Serial No. 175,403; published May 22, 1923.
Hats, Ladies'. Goldweb Hat Company. 172,083; Aug. 21; Serial No. 176,541; published May 22, 1923.
Hats, Ladies'. M. Kutz Company. 172,976; Aug. 21; Serial No. 175,992; published May 22, 1923.
Hats, Ladies'. S. Whitman. 172,114; Aug. 21; Serial No. 175,900; published May 22, 1923.
Hats, Men's. J. C. Penney Company. 172,087; Aug. 21; Serial No. 176,759; published May 22, 1923.
Hats, Straw. Endel & Pedes. 172,117; Aug. 21; Serial No. 175,476; published May 22, 1923.
Hats, Women's. F. C. Morrison. 172,105; Aug. 21; Serial No. 173,199; published May 22, 1923.
Heels, Wood. Gray Wood Heel Co. 172,123; Aug. 21; Serial No. 175,143; published May 22, 1923.
Hosiery. Hayward Hosiery Company. 172,113; Aug. 21; Serial No. 171,914; published May 22, 1923.
Hosiery. David Jacobs Corporation. 172,186; Aug. 21.
Hosiery. Siebert-Constable Co. 172,152; Aug. 21.
Hosiery. Wolf Brothers & Company. 172,167; Aug. 27.
Hosiery, sweaters, underwear, and necktie. Barnett-Green Company. 172,168; Aug. 21.
Insoles, Leather. J. G. Curtis Leather Company. 172,099; Aug. 21; Serial No. 174,074; published May 22, 1923.
Knitted outer garments. Sweater & Knitted Textile Publicity Bureau, Inc. 172,164–6; Aug. 21.
Middy suits, blouses, breeches, etc. Boys' and girls'. Jackie-Klothes, Inc. 172,157; Aug. 21.
Overalls, suits, and work trousers. Large & Roomy Overall Mfg. Co. 172,187; Aug. 21.
Pants, Baby. Brooklyn Shield & Rubber Company. 172,112; Aug. 21; Serial No. 172,027; published May 22, 1923.
Pants, vests, and coats. Superior Clothing Company. 172,151; Aug. 21.
Rubber heels. McWade Tire and Rubber Company. 172,115; Aug. 21; Serial No. 175,878; published May 22, 1923.
Shirts, Men's. S. Kaplan. 172,155; Aug. 21.
Shirts, pyjamas, nightshirts, underwear, etc. Lesser and Oppenheimer, Inc. 172,154; Aug. 21.
Shirts, Work. Louisville Furnishing Goods Co. 172,163; Aug. 21.
Shoes. Thomas Janney Company. 172,074; Aug. 21; Serial No. 175,903; published May 22, 1923.
Shoes, Leather. R. C. Milow Shoe Co. 172,100; Aug. 21; Serial No. 173,713; published May 22, 1923.
Shoes, Leather. E. P. Reed & Co. 172,122; Aug. 21; Serial No. 175,164; published May 22, 1923.
Shoes, Leather. E. P. Reed & Co. 172,133; Aug. 21; Serial No. 174,527; published May 22, 1923.
Shoes, slippers, and spats. Rubin Brothers. 172,108; Aug. 21; Serial No. 172,559; published May 22, 1923.
Shoes, Women's. Julius Grossman, Inc. 172,103; Aug. 21; Serial No. 173,490; published May 22, 1923.
Soles of leather, Cut. Barbour Welting Company. 172,125; Aug. 21; Serial No. 175,054; published May 22, 1923.
Suits and hosiery, Union. West Branch Knitting Company. 172,022; Aug. 21; Serial No. 170,455; published June 5, 1923.
Suspenders, belts, and garters. I. Welchsler. 172,043; Aug. 21; Serial No. 157,704; published May 22, 1923.
Sweaters. Largeman Brothers, Inc. 172,172; Aug. 21.
Trousers, Standard Manufacturing Company. 172,048; Aug. 21; Serial No. 154,335; published May 22, 1923.

CLASS 42.

Cotton goods in the piece. Lorraine Manufacturing Company. 171,977–8; Aug. 21; Serial Nos. 178,747–8; published May 22, 1923.
Cotton piece goods. Fort Dummer Mills. 172,182; Aug. 21.
Cotton piece goods. John P. King Manufacturing Co. 172,006; Aug. 21; Serial No. 173,570; published Apr. 10, 1923.
Cotton, wool, silk, and worsted or hair piece goods. J. Maddocks. 23,713; renewed Oct. 17, 1923.
Fabrics in the piece, Pile. Sidney Blumenthal & Co. 171,979–80; Aug. 21; Serial Nos. 178,810–11; published May 22, 1923.
Silk, cotton, and wool piece goods and mixtures of same. Hyman Bauman & Co. 171,976; Aug. 21; Serial No. 178,657; published May 22, 1923.

CLASS 43.

Threads. Manufacturers Supplies Company. 172,040; Aug. 21; Serial No. 158,936; published May 22, 1923.
Threads. Manufacturers Supplies Company. 172,042; Aug. 21; Serial No. 158,633; published May 22, 1923.

CLASS 44.

Identification necklace, Infant's. J. A. Deknatel & Son, Inc. 172,193; Aug. 21.

CLASS 45.

Beverage and sirup and extracts for making same. T. L. Finney. 172,198; Aug. 21.
Beverage sold as a soft drink. J. Bluemantle. 172,179; Aug. 21.
Water, Table. Pabst Corporation. 172,188; Aug. 21.

CLASS 46.

Apples, Fresh. Earl Fruit Company of The Northwest. 172,072; Aug. 21; Serial No. 177,282; published May 29, 1923.
Beef, Fresh. Detroit Packing Company. 172,029; Aug. 21; Serial No. 166,658; published May 29, 1923.
Bonbons, Bread. H. C. Jackson. 172,181; Aug. 21.
Candies. Quaker City Chocolate & Confectionery Company. 171,094; Aug. 21; Serial No. 174,487; published May 29, 1923.
Candy. American Oriental Candy Mfg. Co. 172,049; Aug. 21; Serial No. 153,793; published May 22, 1923.
Candy. Westmoreland Candy Company. 172,046; Aug. 21; Serial No. 154,677; published May 22, 1923.
Candy and sirup for making same. J. R. Edmiston. 172,016; Aug. 21; Serial No. 161,978; published Oct. 31, 1922.
Canned corn and succotash. Burnham & Morrill Company. 172,068; Aug. 21; Serial No. 177,357; published May 29, 1923.
Canned fruits. Producers Canning and Packing Company. 172,031; Aug. 21; Serial No. 164,258; published June 5, 1923.
Canned fruits and vegetables, coffee, tea, and prepared mustard. A. Kickbusch Grocery Company. 172,066; Aug. 21; Serial No. 177,387; published May 29, 1923.
Canned fruits, pickles, tomato catchup, vinegar, etc. South Bend Wholesale Grocery Company. 172,191; Aug. 21.
Canned vegetables. Frederick City Packing Company. 172,067; Aug. 21; Serial No. 177,372; published May 29, 1923.
Coffee. Arbuckle Brothers. 172,069; Aug. 21; Serial No. 177,348; published May 29, 1923.
Coffee. J. Butler. 23,944; renewed Dec. 26, 1923.
Coffee. Klauber Wangenheim Co. 172,091; Aug. 21; Serial No. 176,896; published May 29, 1923.
Dates. Th. Giocalas & V. Coyimzoglu. 172,096; Aug. 21; Serial No. 174,439; published May 29, 1923.
Dates. Th. Giocalas & V. Coyimzoglu. 172,097–8; Aug. 21; Serial Nos. 174,435–7; published May 29, 1923.

Fruits, Fresh citrous. Silver Palm Citrus Growers Association. 172,025; Aug. 21; Serial No. 170,044; published May 29, 1923.
Fruits, Fresh citrous and deciduous. W. G. Roe. 172,065; Aug. 21; Serial No. 177,409; published May 29, 1923.
Hams, bacon, lard, and sausage products. Lake Erie Provision Company. 172,110; Aug. 21; Serial No. 172,422; published May 29, 1923.
Macaroni, Shell-shaped. Kansas City Macaroni & Importing Co. 172,071; Aug. 21; Serial No. 177,303; published May 29, 1923.
Oil and canned anchovies, Olive. A. Russo. 172,064; Aug. 21; Serial No. 177,411; published May 29, 1923.
Oil, Olive. H. Janssen & Co. 172,028; Aug. 21; Serial No. 167,642; published May 29, 1923.
Shortening compound, Vegetable. N. K. Fairbank Company. 172,051; Aug. 21; Serial No. 149,959; published Oct. 31, 1922.
Tea. J. Butler. 23,941; renewed Dec. 19, 1923.
Tea. Delano, Potter & Co. 172,077; Aug. 21; Serial No. 176,256; published May 22, 1923.
Vegetables, citrous fruits, grapes and melons, Fresh. Idaho Producers' Union. 172,020; Aug. 21; Serial No. 170,685; published May 29, 1923.
Yeast cakes. Everlasting Yeast Company. 172,102; Aug. 21; Serial No. 173,630; published May 29, 1923.

CLASS 49.

Whisky. Smith, Kline & French Co. 172,178; Aug. 21.

CLASS 50.

Advertising devices. H. Goldman. 171,996; Aug. 21; Serial No. 169,014; published May 29, 1923.
Numbers, changeable window display signs, and sign reflectors, House. C. E. Z. Company. 172,136; Aug. 21; Serial No. 176,449; published May 29, 1923.

ALPHABETICAL LIST OF LABELS.

Stop Cough Chewing Gum. For Chewing Gum. S. B. Dexter. 26,337; Aug. 21.

Stop-To-Bac Chewing Gum. For Chewing Gum. S. B. Dexter. 26,338; Aug. 21.

CLASSIFIED LIST OF TRADE-MARK TITLES.

PUBLISHED FOR OPPOSITION.

[Act of Feb. 20, 1905, Sec. 6, as amended Mar. 2, 1907.]

CLASS 1.

Casein for the production of artificial horn, artificial horn. Internationale Galalith-Gesellschaft Hoff & Co. 174,522; Aug. 21.
Coal. Elkhorn Coal Company. 180,593; Aug. 21.
Coal. Harrisburg Colliery Company. 182,584; Aug. 21.
Cotton, Raw. Anderson, Clayton & Co. 181,804; Aug. 21.
Fur pelts. H. Rosenberg. 173,443; Aug. 21.
Silk waste, partly prepared, Artificial-. Abeeco Mill, Inc. 179,912; Aug. 21.

CLASS 3.

Hatboxes, suitcases, auto lunch kits, etc. Xcluso Auto Trunk & Specialty Corp. 180,572; Aug. 21.

CLASS 4.

Belting, Preparation for preserving, etc. Magic Leather Treatment Company. 175,257; Aug. 21.
Chests, Cedar. Hill-Hoel Mfg. Co. 181,944; Aug. 21.
Paper, sharpening stones, etc., Sand, emery, and garnet. Marshall-Wells Company. 178,532; Aug. 21.
Polish, dressings, and cleaners, Shoe. L. Vorgias. 180,348; Aug. 21.
Preparation for cleaning and polishing jewelry, etc. Rand & Crane, Inc. 180,141; Aug. 21.
Preparation for cleaning clothes and fabrics. Mueller & Goetz. 180,452; Aug. 21.
Preparations for cleaning and polishing automobile running gears, etc. K. S. F. Co. 175,873; Aug. 21.
Soap. Haskins Brothers & Company. 178,609; Aug. 21.
Soap and soap mixtures. Magnus Chemical Company. 180,543; Aug. 21.
Soap compound. C. E. Ewing. 180,424; Aug. 21.
Soap for shaving. Colgate & Company. 176,250; Aug. 21.
Soap, Laundry. Haskins Brothers & Company. 175,194; Aug. 21.
Soaps. Lightfoot Schultz Company. 179,107; Aug. 21.
Wheels and disks, Grinding. J. C. Schmidt. 180,391; Aug. 21.

CLASS 6.

Acid, N-butyl-ethyl-barbituric. Abbott Laboratories. 181,233; Aug. 21.
Acids, denatured alcohol, etc., Carbolic, oxalic, etc. J. S. Merrell Drug Company. 179,544–5; Aug. 21.
Automobile radiators, Antifreeze preparation for use in. Lee-Strauss Co. 181,344; Aug. 21.
Baking powder. C. T. Whittier. 175,692; Aug. 21.
Baking powder and cream of tartar. Regal Supply Corporation. 163,111; Aug. 21.
Compound for treating rheumatism. D. H. Buxton. 180,961; Aug. 21.
Cream rouge, Vanishing. Danya, Inc. 178,231; Aug. 21.
Dental medicinal compound. G. E. Weaver. 179,503; Aug. 21.
Diastase, Concentrated commercial. Ebling Company. 181,065; Aug. 21.
Emollient for treating feet. E. T. Cook. 173,701; Aug. 21.
Fire-extinguishing compounds. Pyrene Manufacturing Company. 181,043; Aug. 21.
Gelatinous compound and nonalcoholic preparation for the relief of dyspepsia, etc. A. D. Pope. 179,282; Aug. 21.
Hair dressing. Bouvier Laboratories. 181,335; Aug. 21.
Hair grower. L. R. Davis. 180,966; Aug. 21.
Healing powder for wounds and sores of live stock. Bickmore Company. 179,454; Aug. 21.
Herb tea. S. C. Wells & Co. 179,633; Aug. 21.
Hypnotic and antispasmodic. Parke, Davis & Company. 170,781; Aug. 21.
Insecticide. Williams, Martin & Gray, Inc. 179,909; Aug. 21.
Insecticide, antiseptic, and germicide. Parke, Davis & Company. 181,306; Aug. 21.
Insecticides. Commercial Chemical Company. 179,460; Aug. 21.
Liquid preparation, remedy, or tonic for nervous diseases. Organic Preparations Co. 181,040; Aug. 21.
Lotion, External. Thompson-Barlow Company. 179,752; Aug. 21.
Lotion, Skin. H. J. Handley. 181,276; Aug. 21.
Medical compounds. H. F. Callow. 178,426; Aug. 21.
Medicinal preparation for indigestion, dyspepsia, etc. Brunelle Drug Co. 181,057; Aug. 21.
Medicinal wafers for bronchial troubles. H. A. Whitney. 179,760; Aug. 21.
Medicine. Gastone Co. 179,266; Aug. 21.
Medicines for respiratory passages. A. O. Klauser. 173,091; Aug. 21.
Medicines for treatment of dandruff and eczema. R. N. Hymer. 180,701; Aug. 21.
Perfume. Marshall Field & Company. 179,523; Aug. 21.
Perfumes. Leigh Chemist, Inc. 181,288; Aug. 21.
Polish, Nail. Merrimac Laboratories, Inc. 180,021; Aug. 21.
Powder and cold cream, Face. Nelson, Baker & Company. 180,940; Aug. 21.
Powder, Poultry. Colwell Drug Company. 181,012; Aug. 21.
Powders and creams, perfumes, toilet waters, etc., Face. G. C. Spencer. 180,989; Aug. 21.
Preparation for cancer. S. Kubota. 173,891; Aug. 21.
Preparation for the treatment of the skin, Chemical. William P. Kahn Corp. 180,980; Aug. 21.
Preparation for removing tartar, film, and discolorations from the teeth. W. H. and B. Waddell. 180,993; Aug. 21.
Preparations for straightening the hair. L. A. Fitzpatrick. 179,932; Aug. 21.
Salve, Corn. M. Brandes. 177,768; Aug. 21.
Salve, Corn. A. Wolfe. 176,866; Aug. 21.
Shampoo, Coconut-oil. Microba Antiseptic Co. 180,613; Aug. 21.
Spraying trees and vegetables, Material for. Richmond Dairy Company. 176,854; Aug. 21.
Tablets for constipation, liver, kidneys, stomach, and bowels. J. D. Salem. 178,000–1; Aug. 21.
Toilet creams and astringents. K. M. Quinlan. 180,986; Aug. 21.
Tonic, Vegetable general. J. W. Buchanan. 181,173; Aug. 21.
Waterproofing composition for application to tennis-racket strings. California By-Products Co. 179,514; Aug. 21.
Welding flux. Sedalia Mfg. Company. 177,523; Aug. 21.

PUBLISHED FOR OPPOSITION.

[Act of Feb. 20, 1905, Sec. 6, as amended Mar. 2, 1907.]

CLASS 11.

Ink, Writing. Dello Ink Corp. 178,658–9; Aug. 21.
Inks, Writing. C. G. Hickok. 175,312; Aug. 21.

CLASS 12.

Doors and sashes. Memphis Sash & Door Co. 181,136; Aug. 21.
Garages. P. A. Roberts Construction Co. 180,619; Aug. 21.
Lime. Rockcastle Cement & Lime Company. 179,113; Aug. 21.

CLASS 13.

Bridle wires, Rings for stringing. Diamond Expansion Bolt Co. 179,782–3; Aug. 21.
Heel plates, toe plates, and toe protectors, Shoe. Sun Patent Developing Co. 163,547; Aug. 21.
Pans, Frying. Miller Lock Company. 179,877; Aug. 21.

CLASS 14.

Alloy steel. Ludlum Steel Company. 162,749–50; Aug. 21.
Chairs, Rail. Kiss and Choka. 175,250; Aug. 21.
Steel billets, sheets, forgings, round bars, and rounds. Allegheny Steel Company. 179,698; Aug. 21.

CLASS 17.

Cigarettes. M. Melachrino. 177,859; Aug. 21.
Cigars. Hellerczyk Cigar Company. 165,626; Aug. 21.

CLASS 21.

Automobile timers. Rodefeld Mfg. Co. 182,184; Aug. 21.
Contact points. Fansteel Products Company. 181,520; Aug. 21.
Electric appliances. Branford Electric Company. 172,634; Aug. 21.
Electric batteries. Wood-Craft Company. 182,030; Aug. 21.
Electric conduits, Fittings for. M. W. Johnson. 182,054; Aug. 21.
Electric conduits, Fittings for. M. W. Johnson. 182,152; Aug. 21.
Electric heating apparatus for heating rivets, slugs, etc. Humil Corporation. 181,190; Aug. 21.
Electric light and power plants, Unitary. Sunbeam Electric Manufacturing Co. 137,861; Aug. 21.
Lamps, Portable electric. Bussmann Manufacturing Company. 180,746; Aug. 21.
Radio lightning arresters. High Tension Supplies Co. 180,763; Aug. 21.
Radio receivers, head sets, loud speakers, etc. G. K. Thompson. 179,630; Aug. 21.
Radio receiving and transmitting sets, various parts thereof, and radio head phones. H. R. Wakem. 179,567; Aug. 21.
Radio receiving sets. Jackson & Finkenaur. 168,925; Aug. 21.
Radio receiving sets and parts therefor. Colin B. Kennedy Company. 180,706; Aug. 21.
Radio telegraph and telephone instruments and sets and parts therefor, etc. Atwater Kent Manufacturing Company. 180,410; Aug. 21.
Radio transmitting and receiving sets. Assembled. Aeolian Company. 166,124; Aug. 21.
Valve receiving and transmitting sets, etc. Dale, Forty & Co. 175,304; Aug. 21.

CLASS 22.

Balls, Golf. Gimbel Brothers, Inc. 178,916; Aug. 21.
Balls, Golf. Harry C. Lee & Company. 179,278; Aug. 21.
Cards, Playing. United States Playing Card Company. 178,537–9; Aug. 21.
Carrousels. E. Hoppe. 181,945; Aug. 21.
Dolls, rubber dolls, balloons, and squawkers. W. Caldwell. 179,709; Aug. 21.
Fishing lines, Silk. Cortland Line Co. 164,386; Aug. 21.
Flotation devices, tennis balls, toy vehicles, etc. Mac Lean Drug Company. 178,755; Aug. 21.
Game, Parlor board. G. C. Conley. 178,714; Aug. 21.
Game, Parlor board. C. S. Muir. 181,301; Aug. 21.
Game, Table. L. La Borie. 181,196; Aug. 21.
Games and toys. American Soldier Co. 180,648; Aug. 21.
Games, Parlor. G. W. Sheppard. 175,217; Aug. 21.
Rubber balloons and inflated balls, etc. Fred A. Wish Incorporated. 180,640; Aug. 21.
Sleds, Children's hand. Sheffield Mfg. Co. 174,530; Aug. 21.
Tennis racket. Harry C. Lee & Company. 179,277; Aug. 21.
Tin foil; Shredded. United States Foil Company. 166,964; Aug. 21.
Toy vehicles. White Company. 180,458; Aug. 21.
Toys. Krazifor American Toy Co. 179,476; Aug. 21.
Toys, Animated figure. Selrite Products Inc. 162,318; Aug. 21.

CLASS 23.

Adzes, auger bits, axes, hacksaws, etc. Baker, Hamilton & Pacific Company. 170,354; Aug. 21.
Cheese, Machine for slicing and cutting. Rey & Rey. 179,743; Aug. 21.
Condensers, heat exchangers, and dephlegmators, Oil. C. H. Leach Company. 169,719; Aug. 21.
Dies, jigs, special machinery, etc. Steelcraft Engineering Company. 179,833; Aug. 21.
Engines, Internal-combustion. Sterling Engine Co. 180,777; Aug. 21.
Excavating, elevating and conveying machinery. Jeffrey Manufacturing Co. 176,347; Aug. 21.
Saws. E. F. Goldberg. 180,977; Aug. 21.
Tools and appliances for automotive vehicles, etc. L. Schwab. 168,806; Aug. 21.
Wrenches. Sire & Petersen Wrench Co. 178,775; Aug. 21.

CLASS 24.

Washing machines, and wringers, Clothes. Dawn Mfg. Co. 174,237; Aug. 21.

CLASS 25.

Automobile radiator-cap lock. M. D. Rathbun. 179,284; Aug. 21.

CLASS 26.

Calculating machines, Pocket. R. Huber. 160,288; Aug. 21.
Levels. Stanley Works. 172,297; Aug.21.

CLASS 27.

Watches. J. Daving. 180,754; Aug. 21.
Watches. Stein & Elibogen Company. 150,779; Aug. 21.

CLASS 28.

Jewelry, tableware, etc. Ralph J. Gillett Importing Company. 154,589; Aug. 21.
Pearls, pearl necklaces, and pearl-mounted jewelry. E. C. Shapiro. 173,444; Aug. 21.
Precious metals, Articles made of or plated with. W. R. Elfers. 179,139; Aug. 21.
Silverware. Elgin Silversmith Co. 178,982; Aug. 21.

CLASS 29.

Brushes. Pittsburgh Plate Glass Co. Rennous-Kleinle Division. 162,197; Aug. 21.
Brushes, Twisted-wire. Wizard Products Company. 164,682; Aug. 21.
Toothbrushes. J. O. McCall. 181,607; Aug. 21.

CLASS 33.

Glass. Chance Brothers and Co. Limited. 182,086; Aug. 21.

CLASS 34.

Furnaces, Pipe and pipeless cast-iron warm-air. Enterprise Foundry Company. 167,805; Aug. 21.
Heaters, Oil. A. J. Alsdorf Corporation. 180,678; Aug. 21.
Hydrocarbon-fuel burners. Gasifier Company. 180,214; Aug. 21.
Ovens, Baking. Baker-Perkins Manufacturing Corporation. 177,381; Aug. 21.
Water heaters. General Water Heater Corporation. 180,856; Aug. 21.

CLASS 35.

Patches, inner tubes, tire shoes, tires, Inner-tube. W. I. Ewing. 175,924; Aug. 21.
Piston rings. Twin Piston Ring Corporation. 162,699; Aug. 21.
Rubber repair outfits. Rubber-Weld Sales Company. 174,215; Aug. 21.
Tire, Child's wagon. Puffer-Hubbard Manufacturing Company. 179,551; Aug. 21.
Tires and inner tubes, Pneumatic automobile. Jack Tire & Rubber Company. 179,601; Aug. 21.
Tires, Rubber. Coast Tire and Rubber Company. 179,656–7; Aug. 21.

CLASS 36.

Harmonicas, Mouth. M. Hohner. 179,794; Aug. 21.
Music rolls, Perforated. N. Cardilli. 180,584; Aug. 21.
Musical instuments and supplies therefor. Circle Music Publishing Company. 177,216; Aug. 21.
Musical instruments when not in use, Racks for supporting. Saxrac Company. 169,530; Aug. 21.
Musical instruments, Wind. Besson & Co. Ltd. 177,066; Aug. 21.
Phonographs. Chautauqua Phonograph Company. 165,580; Aug. 21.
Phonographs. E. L. Corle. 164,157; Aug. 21.
Phonographs. Plaza Music Company. 179,110; Aug. 21.
Phonographs, phonograph parts, and phonograph records. F. F. Nelson. 179,948; Aug. 21.
Pianofortes, pianos, and phonographs. Jacob Doll & Sons. 179,198; Aug. 21.
Pianofortes, pianos, and phonographs. Frederick Piano Company. 179,594; Aug. 21.

PUBLISHED FOR OPPOSITION.

[Act of Feb. 20, 1905, Sec. 6, as amended Mar. 2, 1907.]

CLASS 37.

Books, pamphlets, and papers, Binders for. Weber & McCrea. 180,996; Aug. 21.
Folders, cards, guides, stationery, etc. United Business Equipment Co. 180,910; Aug. 21.
Paper and paper towels, Toilet. Albany Perforated Wrapping Paper Co. 182,529; Aug. 21.
Paper, Bond. H. P. Andrews Paper Company. 167,754; Aug. 21.
Paper, Bond, ledger, and writing. Gilbert Paper Co. 182,411; Aug. 21.
Paper, Cover. Peninsular Paper Company. 178,279; Aug. 21.
Paper, Index bristol. H. P. Andrews Paper Company. 167,753; Aug. 21.
Paper, Index bristol. H. P. Andrews Paper Company. 171,405; Aug. 21.
Paper, Ledger. H. P. Andrews Paper Company. 167,757; Aug. 21.
Paper, Printing and writing. Chicago Paper Company. 171,786; Aug. 21.
Paper, Thin soft. H. P. Andrews Paper Company. 171,407; Aug. 21.
Paper, Toilet. Fort Howard Paper Company. 182,049; Aug. 21.
Paper, Tracing. New York Blue Print Paper Co. 181,906; Aug. 21.
Paper, Tympan. Plant, Theis & Gould Paper Company. 181,146; Aug. 21.
Paper, Writing, bond, and ledger. Plant, Theis & Gould Paper Company. 181,147; Aug. 21.
Penholders and fountain pens. Heidelberger Federhalter-Fabrik Koch, Weber & Co. A.-G. 178,339; Aug. 21.
Pens, penholders, pencils, etc., Fountain. Heidelberger Federhalter-Fabrik Koch, Weber & Co., A.-G. 178,340; Aug. 21.

CLASS 38.

Booklets or pamphlets. American Radio Relay League, Inc. 177,159; Aug. 21.
Books and pamphlets. Life Planning Institute. 157,069; Aug. 21.
Cards, Prayer and motto. W. G. Bate. 178,544; Aug. 21.
Magazine. W. M. Traer. 174,040; Aug. 21.
Newspaper, Daily. A. H. Belo & Company. 174,880–2; Aug. 21.
Newspaper, Semiweekly agricultural. A. H. Belo & Company. 174,883; Aug. 21.
Printed advertising matter. F. Romer. 180,239; Aug. 21.
Publication, Bimonthly and annual. International Trade Developer, Inc. 176,187; Aug. 21.
Publication, Weekly. Pathfinder Publishing Co. 180,387; Aug. 21.
Publications. D. Loeser. 160,196; Aug. 21.

CLASS 39.

Coats, overcoats, hosiery, underwear, etc., Sheep-lined fur. Adsit and Rugg Inc. 174,421; Aug. 21.
Coats, suits, skirts, and dresses, Ladies'. Kux Bleiweiss Company. 180,185; Aug. 21.
Dresses and hosiery, Women's. Associated Merchandising Corporation. 172,194; Aug. 21.
Dresses, Misses'. Dolly Madison Dresses, Inc. 157,760; Aug. 21.
Dresses, suits, waists, etc., Ladies', misses', and children's knitted. Bab, Inc. 176,532; Aug. 21.
Hosiery. Scot Knit Hosiery Company. 177,053; Aug. 21.
Sweaters. Neuman & Silver. 175,511; Aug. 21.
Ties and cravats. Friedman Bros. & Sons Neckwear Co. 176,402; Aug. 21.
Trousers, Men's. Hollander-Lewis Co. 174,447; Aug. 21.

CLASS 40.

Combs, Toilet. Cutino Company. 178,229; Aug. 21.

CLASS 42.

Coating, All-wool. Frederick Lausser & Son. 181,694; Aug. 21.
Cotton goods in the piece. Maltese Textile Corporation. 177,498; Aug. 21.
Cotton piece goods. Tremont & Suffolk Mills. 180,566; Aug. 21.
Fabrics. Putnam-Hooker Company. 148,033; Aug. 21.
Handkerchiefs. S. W. Magnus & Co. 182,160; Aug. 21.
Knitted goods in the piece, Elastic. Wallenstein Industrial Corp. 182,489; Aug. 21.
Piece goods for draperies. Geo. Brooks & Son Company. 180,045; Aug. 21.
Pile fabrics in the piece. Sidney Blumenthal & Co. 182,201; Aug. 21.
Sheets, pillowcases, bedspreads, table linens, towels, Bed. Mosse, Inc. 180,022; Aug. 21.
Silk, cotton, and textiles in the piece and by the yard. H. Meyers Co. 182,254; Aug. 21.
Voiles and dress goods in the piece, Cotton. Abraham & Straus, Inc. 181,579; Aug. 21.
Woolen piece goods. H. W. Schwab, Inc. 177,925; Aug. 21.

CLASS 43.

Thread, Artificial-silk. Societe Generale de Soie Artificielle par le Procede Viscose. 164,348; Aug. 21.
Yarns, Dyed. "S. & M." Dye Works, Inc. 181,089; Aug. 21.
Yarns, threads, silks. Pfaltz & Bauer, Inc. 181,773; Aug. 21.

CLASS 44.

Tweezers for removing superfluous hair. M. W. Chandler. 180,588; Aug. 21.

CLASS 45.

Beverage sold as a soft drink. J. D. Fletcher. 140,791; Aug. 21.

CLASS 46.

Apples, Fresh. Touchet Valley Apple Co. 180,908–9; Aug. 21.
Bananas. H. J. Vinkemulder. 160,168; Aug. 21.
Bread. P. O. Sampson. 178,289; Aug. 21.
Bread. Ward Baking Company. 170,512; Aug. 21.
Bread. Ward Baking Company. 174,501; Aug. 21.
Bread, cake, and a vitamine-containing product. Ward Baking Company. 168,183; Aug. 21.
Butter. Galeton Dairy Products Company. 177,837; Aug. 21.
Cake and cake mix. Joe Lowe Co. 178,109; Aug. 21.
Cake, Toasted sponge. Tasty Baking Company. 175,684; Aug. 21.
Candies. Shotwell Mfg. Co. 181,456; Aug. 21.
Candy. Ambrosia Chocolate Co. 168,094; Aug. 21.
Candy. Direct Chocolate Company. 180,755; Aug. 21.
Canned fish. Gatlin and Gatlin. 181,562; Aug. 21.
Canned fruits and vegetables. Free & Klinck, Inc. 181,020; Aug. 21.
Canned fruits and vegetables. New York Canners, Inc. 168,722; Aug. 21.
Canned goods. John R. Thompson Co. 175,030; Aug. 21.
Canned salmon. Beegle Packing Co. 181,106; Aug. 21.
Canned vegetables. Winorr Canning Company. 180,917; Aug. 21.
Chocolate, marshmallow whip, flash chocolate, jiffy milk, cocoa, etc., Instantaneous. Stephen F. Whitman & Son. 174,419; Aug. 21.
Coffee. Sherman Coffee Company. 178,475; Aug. 21.
Coffee and tea. J. H. Braun & Co. 177,267; Aug. 21.
Coffee, tea, cocoa, spices, etc. Defiance Grocery Company. 177,367; Aug. 21.
Compound used in preparation of jellies, desserts, etc. Genesee Pure Food Company. 178,998; Aug. 21.
Dairy products. Puritas Farms, Inc. 151,098; Aug. 21.
Dairy products. United Fruit Company. 163,242; Aug. 21.
Dairy products. United Fruit Company. 163,245; Aug. 21.
Dressing, olive oil, cheese, etc., French. M. Locci. 178,265; Aug. 21.
Eggs. John V. Kisker & Co. 178,258; Aug. 21.
Feed, Poultry. Quaker Oats Company. 174,922; Aug. 21.
Feed, Prepared stock. Arcady Farms Milling Company. 178,205; Aug. 21.
Feed, Stock. Alfocorn Milling Company. 177,811; Aug. 21.
Feed, Stock. Ubiko Milling Company. 165,900; Aug. 21.
Feeds, Live-stock. C. R. Mabee. 173,971; Aug. 21.
Feeds, Poultry. M. C. Peters Mill Co. 177,991; Aug. 21.
Feeds, Poultry. M. C. Peters Mill Co. 177,993; Aug. 21.
Feeds, Poultry. George Urban Milling Company. 177,336; Aug. 21.
Flavoring extracts, Food. F. T. Morrissey. 158,534; Aug. 21.
Flour, Self-rising wheat. Model Mill Company. 175,803; Aug. 21.
Flour, Wheat. Bay State Milling Co. 175,061; Aug. 21.
Flour, Wheat. Frontier Elevator & Mill Company. 177,730; Aug. 21.
Flour, Wheat. International Milling Company. 178,044; Aug. 21.
Flour, Wheat. Northfield Flour Mills Company. 176,422–4; Aug. 21.
Flour, Wheat. Washburn-Crosby Company. 177,754; Aug. 21.
Food, Edible. F. G. Matson. 177,857; Aug. 21.
Food, Edible. F. G. Matson. 177,918; Aug. 21.
Foods, Cereal breakfast. Battle Creek Food Company. 176,247; Aug. 21.
Fruits, Fresh citrous. C. O. Banks. 180,831; Aug. 21.
Fruits, Fresh citrous. Leeco Citrous Growers' Association. 180,867; Aug. 21.
Fruits, Fresh citrous. J. H. Strait & Company. 181,319; Aug. 21.
Hominy. American Hominy Company. 178,156; Aug. 21.
Ice cream. Franklin Ice Cream Company. 178,437; Aug. 21.
Marmalades, Fruit. E. R. Claflin. 177,362; Aug. 21.
Meal and grits, horse, cow, and hen feed, etc., Corn. Western Grain Company. 175,117; Aug. 21.

PUBLISHED FOR OPPOSITION.

[Act of Feb. 20, 1905, Sec. 6, as amended Mar. 2, 1907.]

Milk, Canned vegetables, fruit, etc., Evaporated. John Hoffmann & Sons Co. 178,249; Aug. 21.
Mincemeat, plum pudding, and fig pudding. Charles A. Rauscher & Co. 177,622; Aug. 21.
Oil, Olive. F. Romeo & Co. 167,364; Aug. 21.
Oil, Vegetable. Puget Sound Oil Works, Inc. 140,398; Aug. 21.
Oils, macaroon paste, crystallized fruit candies, etc., Salad and cooking. California Prune & Apricot Growers, Inc. 172,932; Aug. 21.
Olives. Bolivar Packing Company. 180,835; Aug. 21
Peanut butter, butter, cereals, coffee, tea, etc. W. H. Johnson. 162,932; Aug. 21.
Pop-corn confection. Rich-Maid Mfg. Co. 171,817; Aug. 21.
Rice. North American Mercantile Co. 176,356; Aug. 21.
Rolls and bread. Franco-American Baking Co. 176,401; Aug. 21.
Sirup for food purposes, Malt. Independent Breweries Company. 178,849; Aug. 21.
Tea and coffee. Midland Grocery Company. 181,346; Aug. 21.
Vegetables, grapes, and cantaloupes, Fresh. C. A. Brown. 178,216; Aug. 21.

CLASS 48.

Beverages, Alcoholic malt or cereal. Wielands Incorporated. 177,942; Aug. 21.

CLASS 50.

Signs for mechanical advertising purposes. H. C. Dawson. 179,033; Aug. 21.

ALPHABETICAL LIST OF PATENTEES

TO WHOM

PATENTS WERE ISSUED ON THE 21ST DAY OF AUGUST, 1923.

NOTE.—Arranged in accordance with the first significant character or word of the name (in accordance with city and telephone directory practice). **Includes patents, reissues, and designs.**

Abbott, Frederick J. (See Vance, Arlyn T., assignor.)
Acme Knitting Machine & Needle Company. (See Stewart, Albert E., assignor.)
Alber, Eugen, Basel, Switzerland. Electric lamp. 1,465,293; Aug. 21.
Alborn, Frans G., Milford, assignor, by mesne assignments, to The Locomobile Company, Bridgeport, Conn. Battery mounting and housing. 1,465,660; Aug. 21.
Alleman, John, assignor to A. Ansler, Philadelphia, Pa. Machine for cutting keyways. 1,465,460; Aug. 21.
Allen, George H., Clinton, N. Y. Chicken feeder. 1,465,327; Aug. 21.
Allen, George W. H. (See Collins, W. D., and Allen.)
Alling, Francis W., Winsted, Conn. Hairpin holder. 1,465,619; Aug. 21.
Allward, Walter, Vancouver, Canada. Drill-holding magazine. 1,465,506; Aug. 21.
Altman, John B., Aurora, Ill. Windmill. 1,465,592; Aug. 21.
American Balsa Company. (See Broady, Harry W., assignor.)
American Balsa Company. (See Ranlett, David L., assignor.)
American Dressler Tunnel Kilns, Inc. (See Mitchell, Stephen A., assignor.)
American Fabrics Company. (See Hodgkins, Albert A., assignor.)
American Hand Brake Company. (See Anderson, Harley E., assignor.)
American Laundry Machinery Company. (See Snow, Arthur E., assignor.)
American Smelting & Refining Company. (See Call, R. G., and Wagstaff, assignors.)
American Smelting and Refining Company. (See Thiele, Adolph A., assignor.)
American Telephone and Telegraph Company. (See Crisson, G., and Rose, assignors.)
American Telephone and Telegraph Company. (See Espenschied, L., and Toomey, assignors.)
Ansler, August. (See Alleman, John, assignor.)
Andel, Frank J., Cleveland, Ohio. Outside brake. 1,465,832; Aug. 21.
Andersen, Andrew C., assignor to Ternstedt Manufacturing Company, Detroit, Mich. Rotary-spindle lock. 1,465,461; Aug. 21.
Anderson, Averil P., Bellevue, Pa. Lubricating system. 1,465,620; Aug. 21.
Anderson, Evald, Los Angeles, Calif., assignor, by mesne assignments, to Western Precipitation Company. Making cement and by-products. 1,465,833; Aug. 21.
Anderson, Evald, Los Angeles, Calif., assignor, by mesne assignments, to Western Precipitation Company. Recovering potassium compound in connection with cement manufacture. 1,465,834; Aug. 21.
Anderson, Harley E., Chicago, Ill., assignor, by mesne assignments, to American Hand Brake Company. Holding device for car-brake mechanism. 1,465,328; Aug. 21.
Anderson, Harry F., Marion, Ind. Method and machine for constructing embossed glass plate. 1,465,507; Aug. 21.
Anderson, Thomas G. (See McCoy, H. A., and Anderson.)
Andrew, Vaughan L., Superior, Wis. Wind-wheel hub for windmills. 1,465,404; Aug. 21.
Andrus, Millard B., Draper, Utah. Beet topper. 1,465,798; Aug. 21.
Angel, Albert, Cleveland, Ohio. Advertising apparatus. 1,465,753; Aug. 21.
Angier, Edward H. (See Wheildon, William M., assignor.)
Animated Picture Products Co. (See Saalburg, Charles W., assignor.)
Arbuthnot, Earl H., Flora, Ill. Clamp. 1,465,329; Aug. 21.
Ardner, Max, Lock Haven, Pa. Plumber's clamp. 1,465,330; Aug. 21.
Arledge, William W. (See Pue, W. A., and Sifford, assignors.)
Arndt, Franklin E., assignor to The Galion Iron Works & Mfg. Co., Galion, Ohio. Self-balanced turntable. 1,465,331; Aug. 21.
Arnold, Edwin E., Pittsburgh, Pa., assignor to Rees Manufacturing Company. Ratchet-jack-shaft brake. 1,465,569; Aug. 21.
Arnold, Edwin E., Pittsburgh, Pa., assignor to Iron City Products Company. Lifting jack. 1,465,570; Aug. 21.
Arnold, Harold D., Maplewood, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y. Vacuum-tube amplifier. 1,465,332; Aug. 21.
Arrington, Edna, Star, Oreg. Vehicle signal. 1,465,405; Aug. 21.
Ashley, Frank M., New York, N. Y. Flexible shade for electric lamps. 1,465,333; Aug. 21.
Assorati, Antenor, Paris, France. Press stud. 1,465,571; Aug. 21.
Aszklar, Edward J., Plantsville, Conn. Clam opener. 1,465,799; Aug. 21.
Atkinson, Le Roy E., assignor of thirty one-hundredths to F. J. Gurrine, San Jose, Calif. Parachute for aerial vessels. 1,465,835; Aug. 21.
Atterbury, Grosvenor, New York, N. Y. Cementitious sleeper or the like. 1,465,539; Aug. 21.
Auster, Louis and M., New York, N. Y. Bathing cap. 1,465,706; Aug. 21.
Auster, Marie. (See Auster, Louis and M.)
Auto Mail Distributor, Inc., The, et al. (See Wittum, George F., assignor.)
Automatic Appliance Company, The. (See Mapel, Lewis A., assignor.)
Automatic Electric Company. (See Owen, William W., assignor.)
Ayres, William C., Pontiac, Mich. Miter box. 1,465,800; Aug. 21.

Bailey, Charles F., Lawton, England. Tunnel oven or kiln for firing pottery and other ware. 1,465,572; Aug. 21.
Bailey, Charles F., Lawton, England. Kiln for firing pottery and other ware. 1,465,573; Aug. 21.
Bailey, Emmett L., assignor of one-half to R. L. Bailey, Williamson, W. Va. Rotary car dump. 1,465,661; Aug. 21.
Bailey, Robert L. (See Bailey, Emmett L., assignor.)
Banks, George L. and M. R., Los Angeles, Calif. Cord control. 1,465,334; Aug. 21.
Banks, Joseph L., Baltimore, Md. Vehicle. 1,465,248; Aug. 21.
Banks, Mary R. (See Banks, George L. and M. R.)
Bannister, Bryant, Pittsburgh, Pa., assignor to Bannister Motor Appliance Company. Carburetor. 1,465,574; Aug. 21.
Bannister Motor Appliance Company. (See Bannister, Bryant, assignor.)
Barbarou, Marius J. B., Paris, France. Coupling device for vehicles. 1,465,294; Aug. 21.
Barks, Frank C. (See Morris, Octavius J., assignor.)
Barnes, Arthur B., assignor to Barnes Electric Manufacturing Company, New York, N. Y. Lamp fixture and socket construction. 1,465,836; Aug. 21.
Barnes Electric Manufacturing Company. (See Barnes, Arthur B., assignor.)
Barnes, John H., Norwich, Conn. Railway tie. 1,465,406; Aug. 21.
Barnes, William, Zanesville, Ohio, assignor to J. W. De Camp, Blackwell, Okla. Mold. 1,465,724; Aug. 21.
Barrett, John E. (See Barrett, John F. and J. E., and Wyatt.)
Barrett, John F., Newport, John E. Barrett, Katoomba, and F. A. Wyatt, Newport, New South Wales, Australia. Feathering mechanism for paddle-type stream motors and propellers. 1,465,593; Aug. 21.
Barsumian, George S., Oak Park, Ill. Cleaning rugs. 1,465,249; Aug. 21.
Barry, Michael J., Newark, N. J. Flat-tire alarm. 1,465,837; Aug. 21.
Bartholdy, Max, assignor to Fried. Krupp Aktiengesellschaft, Essen-on-the-Ruhr, Germany. Caliper gauge. 1,465,295; Aug. 21.
Bartholomew, Thomas, Columbus, Ohio. Fishing tackle. 1,465,707; Aug. 21.
Bashara, Samuel F., Houston, Tex. Drill bit. 1,465,407; Aug. 21.
Bassick Company, The. (See Cummins, Norman W., assignor.)
Bassick Manufacturing Company, The. (See Davis, Ernest W., assignor.)
Bates, Albert J. and W. A., Chicago, Ill., assignors to Bates Expanded Steel Truss Co., Wilmington, Del. Machine for straightening structural members. 1,465,408; Aug. 21.
Bates Expanded Steel Truss Co. (See Bates, Albert J. and W. A., assignors.)
Bates, Walter A. (See Bates, Albert J. and W. A.)
Baur, Hugo J., Chicago, Ill., assignor to Johnson Fare Box Company. Universal change maker. 1,465,409; Aug. 21.

Beavon, Alfred S., Glasgow, Scotland. Apparatus for carbureting air. 1,465,890; Aug. 21.
Bell, George, Jesmond, Newcastle-upon-Tyne, England. Metallic rope. 1,465,891; Aug. 21.
Benjamin Electric Manufacturing Company. (See Benjamin, Reuben B., assignor.)
Benjamin Electric Manufacturing Company. (See Hopkins, Charles L., assignor.)
Benjamin, Reuben B., assignor to Benjamin Electric Manufacturing Company, Chicago, Ill. Electrical connecting device. 1,465,410; Aug. 21.
Benson, Matthew P., Troy, and M. M. Wiener, New York, N. Y. Manufacture of brushes. 1,465,919; Aug. 21.
Benson, Ragnar O., Brooklyn, N. Y. Printer's cut or die. Des. 62,875; Aug. 21.
Bentley, Anson J., Niles, Ohio. Freezing can. 1,465,335; Aug. 21.
Bentley, Anson J., Niles, Ohio. Freezing can. 1,465,336; Aug. 21.
Berg, Steen A., Bridgeport, Conn. Flushometer. 1,465,575; Aug. 24.
Bergstein, Samuel, Middletown, Ohio. Paper box. 1,465,411; Aug. 21.
Bernard, Joseph F., et al. (See Goldstone, Frederick G., assignor.)
Bernstein, William, Jamaica Plain, assignor to Panther Rubber Manufacturing Company, Stoughton, Mass. Mold for rubber heels. 1,465,775; Aug. 21.
Berolzheimer, Clarence P., Chicago Heights, Ill. Tip for braid or the like. 1,465,754; Aug. 21.
Berthiaume, Alvarez. (See Berthiaume, Evariste and A.)
Berthiaume, Evariste and A., St. Hyacinthe, Quebec, Canada, assignors to Ovide Brouillard, Montreal, Quebec, Canada. Rossing machine. 1,465,621; Aug. 21.
Bertrand, Frederic E., Lynn, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J. Thread-waxing device. 1,465,776; Aug. 21.
Bettendorf Company, The. (See Clasen, Claus J. W., assignor.)
Betts, Arthur L. (See Davis, A., jr., and Betts.)
Biel, A. J. (See Pennell, Edwin R., assignor.)
Bigge Roller Works Company, The. (See Holloway, Le Roy P., assignor.)
Biggs, Thomas G., Lake Providence, La. Index tag. 1,465,576; Aug. 21.
Binford, Orlando, Citronelle, Ala. Die nut. 1,465,337; Aug. 21.
Birmingham Iron Foundry, The. (See Gordon, William A., assignor.)
Bissell, Carl H., and R. F. Jones, assignors to Crouse-Hinds Company, Syracuse, N. Y. Quick-break switch. 1,465,472; Aug. 21.
Bitondi, John D., Hartford, Conn. Rolling-screen guide. 1,465,802; Aug. 21.
Bittner, Edward E., Chicago, Ill. Apparatus for cutting trenches. 1,465,622; Aug. 21.
Blublaze Motor Specialties Corp. (See Shearer, Vance, assignor.)
Boardman, Charles H., Columbus, Ohio. Crib. 1,465,413; Aug. 21.
Boardman, Charles H., Columbus, Ohio. Crib. 1,465,414; Aug. 21.
Boettner, John F., Watson, Mo. Team-operated wagon brake. 1,465,803; Aug. 21.
Bolitho, John B., et al. (See Goldstone, Frederick G., assignor.)
Booth, Joseph B. S., Sidcup, England, assignor to Lanston Monotype Machine Company, Philadelphia, Pa. Typographic composing machine. 1,465,296; Aug. 21.
Bosshardt, Edwin. (See Dinkelspiel, L., and Bosshardt.)
Botella, Jacques, Paris, France. Motor-car body and collapsible top therefor. 1,465,594; Aug. 21.
Bowden, Junius A., Los Angeles, Calif., assignor to A. Schrader's Son, Inc., New York, N. Y. Self-registering pressure gauge. 1,465,725; Aug. 21.
Bowden, Junius A., Los Angeles, Calif., assignor to A. Schrader's Son, Inc., Brooklyn, N. Y. Self-registering pressure gauge. 1,465,726; Aug. 21.
Bowers, Frank, assignor to Diamond Power Specialty Corporation, Detroit, Mich. Boiler cleaner. 1,465,387; Aug. 21.
Boyd, John C., St. Louis, Mo. Last for use in forming and leveling soles. 1,465,338; Aug. 21.
Boynton, Phillip F., Yonkers, N. Y., assignor to Holburn Thompson Company, Salem, Mass. Leather, skins, hides, imitation leather, or article of similar nature. Des. 62,876; Aug. 21.
Brady, Oatman J., et al. (See Marsh, Gerald, assignor.)
Brandenberg, John and W. W. Smith, Sault Ste. Marie, Mich. Traffic signal. 1,465,708; Aug. 21.
Brandriff, Daniel, Short Beach, Branford, assignor to Malleable Iron Fittings Company, Branford, Conn. Control valve mechanism. 1,465,540; Aug. 21.
Brandts, Edmund, Celina, Ohio. Standing lamp. Des. 62,877; Aug. 21.
Braun, Philip N., assignor to The Prosperity Co., Inc., Syracuse, N. Y. Garment pressing machine. 1,465,727; Aug. 21.
Bremer, Christian F., Tampa, Fla. Cigar-assorting device. 1,465,462; Aug. 21.
Brennan, William J., Swampscott, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J. Press. 1,465,339; Aug. 21.
Breuninger, George F., Newark, N. J. Display rack. 1,465,891; Aug. 21.
Bricken, John, Chicago, Ill. Pencil. Des. 62,878; Aug. 21.
Brillouin, Leon N., Paris, France. Telephone and wireless-telegraphy installation. 1,465,250; Aug. 21.
British Dyestuffs Corporation Limited. (See Segaller, D., and Peacock, assignors.)
Broady, Harry W., Bayside, N. Y., assignor to American Balsa Company, Inc. Apparatus for lowering and raising ships' boats. 1,465,787; Aug. 21.
Brockson, Sigurd. (See Gallagher, M. L., and Brockson.)
Broluska, Amel B. and H. A., assignors of one-third to C. Caillian, Detroit, Mich. Electric machine. 1,465,251; Aug. 21.
Broluska, Harry A. (See Broluska, Amel B. and H. A.)
Brookes, Elijah, Stoke-on-Trent, England. Machine for use in the manufacture of teacups, breakfast cups, beakers, and other vessels or articles of pottery. 1,465,577; Aug. 21.
Brooks, Benjamin T., Bayside, N. Y., assignor, by mesne assignments, to Carbide and Carbon Chemicals Corporation, Manufacture of chlorhydrin. 1,465,595; Aug. 21.
Brooks, Benjamin T. (See Eldred, B. E., and Brooks.)
Brouillard, Ovide. (See Berthiaume, Evariste and A., assignors.)
Brown, Chisholm R., Somerton, and H. H. Hinds, Sydney, New South Wales, Australia, assignors to Emerson Brantingham Company, Rockford, Ill. Churn. Re. 15,677; Aug. 21.
Brown, Dewees E. (See McCullough, O., and Brown.)
Brown, Herman E., Kingston, N. Y., and J. H. Stover, Nutley, N. J., assignors, by mesne assignments, to Multi-Fabric Corporation, New York, N. Y. Production of coated fabrics and the like. 1,465,541; Aug. 21.
Brunzel, Eugene A., Brooklyn, N. Y. Trousers. 1,465,415; Aug. 21.
Bryant Electric Company, The. (See Goodridge, Gilbert W., assignor.)
Bubb, Albert C., Baltimore, Md. Coupling device. 1,465,804; Aug. 21.
Buck, Arthur W., St. Louis, Mo. Apparatus for reducing secondary radiation from Röntgen rays. 1,465,340; Aug. 21.
Buody, Harry W., Detroit, Mich. Making tubes. 1,465,755; Aug. 21.
Burgess, Newton A., Pittsburgh, assignor to Verona Tool Works, Verona, Pa. Tongs. 1,465,892; Aug. 21.
Burgess, Sydney and W. J., Hamilton, Ontario, Canada. Shock absorber. 1,465,241; Aug. 21.
Burgess, Walter J. (See Burgess, Sydney and W. J.)
Byers, Robert P., Toronto, Ontario, Canada. Charm. Des. 62,879; Aug. 21.
Caillian, Cyril. (See Broluska, Amel B. and H. A., assignors.)
Caldwell, J. A., et al. (See Hone, Frederick T., assignor.)
California Almond Growers Exchange. (See Pierce, George W., assignor.)
California Cedar Products Company. (See Richardson, J. E. and Thurman, assignors.)
Call, Benjamin G., and R. A. Wagstaff, Garfield, Utah, assignors to American Smelting & Refining Company. Rabble-furnace construction. 1,465,416; Aug. 21.
Call, Benjamin G., Tacoma, Wash., and R. A. Wagstaff, Garfield, Utah, assignors to American Smelting and Refining Company, New York, N. Y. Rabble-furnace construction. 1,465,417; Aug. 21.
Callery, James D., et al. (See Stroh, Henry N., assignor.)
Camarata, Vincent, et. al. (See Peterson, Edwin A., assignor.)
Campbell, A. S., Company. (See Campbell, Alphonso S., assignor.)
Campbell, Alphonso S., West Medford, assignor to A. S. Campbell Company, Boston, Mass. Curtain-window installation. 1,465,728; Aug. 21.
Campbell, Argyle, assignor to Enterprise Railway Equipment Company, Chicago, Ill. Load-discharging car. 1,465,756; Aug. 21.
Campbell Donald J., Muskegon Heights, Mich. Automatic-exhaust-valve construction. 1,465,342; Aug. 21.
Canevari, Joseph P., Port Arthur, Tex. Hair iron. 1,465,838; Aug. 21.
Cantelo, John S., East Cambridge, Mass. Shoe rack. 1,465,777; Aug. 21.
Carbide and Carbon Chemicals Corporation. (See Brooks, Benjamin T., assignor.)
Carbide and Carbon Chemicals Corporation. (See Eldred, B. E., and Brooks assignors.)
Carbide and Carbon Chemicals Corporation. See Eldred, Byron E., assignor.)
Carollo, James B., Newark, N. J., assignor to City Button Works, New York, N. Y. Garment-fastening device. 1,465,578; Aug. 21.
Carpenter, George L., Gladstone, Mich. Attachment for cooking vessels. 1,465,508; Aug. 21.
Carroll, Thomas J., New York, N. Y. Frame. 1,465,839; Aug. 21.
Carroll, William E. (See George, J. R., and Carroll.)
Cartwright, John A., Caldwell, Idaho. Rotary harrow. 1,465,805; Aug. 21.
Case, Isaac H., Northmoor, Mo. Shoe. 1,465,343; Aug. 21.

Castellani, Angelo, Chicago, Ill. Brick. Des. 62,880; Aug. 21.
Castellani, Angelo, Chicago, Ill. Brick. Des. 62,881; Aug. 21.
Castellani, Angelo, Chicago, Ill. Brick. Des. 62,882; Aug. 21.
Castellani, Angelo, Chicago, Ill. Brick. Des. 62,883; Aug. 21.
Castellani, Angelo, Chicago, Ill. Brick. Des. 62,884; Aug. 21.
Celano, Sem S., assignor of one-half to C. Scafida, New York, N. Y. Dispensing device. 1,465,840; Aug. 21.
Central Trust Company of Illinois, executor. (See Goss, Samuel G.)
Chandeysson, Pierre L., St. Louis, Mo. Brush-holding means for electric motors. 1,465,709; Aug. 21.
Chandler, Homer P., assignor to The Ohio Brass Company, Mansfield, Ohio. Conductor support. 1,465,344; Aug. 21.
Chanouhouse, Frederick S., Malden, assignor to John L. Whiting-J. J. Adams Co., Boston, Mass. Brush and making the same. 1,465,893; Aug. 21.
Chapman, George H., Chicago, Ill. Stop-actuating device for pipe organs, etc. 1,465,418; Aug. 21.
Chapman, George H., Chicago, Ill. Electric switch. 1,465,419; Aug. 21.
Chapman, George H., Chicago, Ill. Piston switch. 1,465,420; Aug. 21.
Cheesman, Richard D., Chelsea, Mich., and R. C. Haff, Hagerstown, Md., assignors, by mesne assignments, to Western Precipitation Company, Los Angeles, Calif. Obtaining water-soluble potassium compounds. 1,465,841; Aug. 21.
Cheesman, Richard D., Chelsea, Mich., and R. C. Haff, Hagerstown, Md., assignors, by mesne assignments, to Western Precipitation Company, Los Angeles, Calif. Obtaining water-soluble potassium compounds. 1,465,842; Aug. 21.
Cherrington, Frank W., assignor to The Jennison-Wright Company, Toledo, Ohio. Flooring. 1,465,623; Aug. 21.
Chester, Oliver W. J., Glenmaggie, Gippsland, Victoria, Australia. Tethering peg. 1,465,806; Aug. 21.
Chittenden, Harry W., Moorland, Iowa. Traffic signal. 1,465,346; Aug. 21.
Christensen, Christian, Rye, N. Y. Method of and means for laying out blanks of plaited articles. 1,465,807; Aug. 21.
Christmas, Lee, Guatemala, Guatemala. Throttle-adjusting device and safety lock. 1,465,808; Aug. 21.
Chryst, William A. (See Kettering, C. F., and Chryst.)
Cincinnati Ball Crank Company, The. (See Davison, Vergil A., assignor.)
Cincinnati Butchers Supply Company, The. (See Schmidt, Oscar C., assignor.)
Circle Stamping & Mfg. Co. (See Jones, Allan H., assignor.)
City Button Works. (See Carolin, James B., assignor.)
Clapp, Stuart H., Camp Meade, Md. Brake. 1,465,509; Aug. 21.
Clark, James H., River Rouge, Mich. Attachment for vehicle wheels. 1,465,345; Aug. 21.
Clark, Seth R., et al. (See Stevens, G. H., and Eaton, assignors.)
Clarke, Thomas H., Newark, N. J., assignor to Shirley Manufacturing Co., Shreveport, La. Ring. Des. 62,885; Aug. 21.
Clasen, Claus J. W., Davenport, assignor to The Bettendorf Company, Bettendorf, Iowa. Hooded journal-box lid and making same. 1,465,542; Aug. 21.
Cleveland Dental Manufacturing Company, The. (See Rosser, William, assignor.)
Cleveland Electric Machine and Manufacturing Company, The. (See Zoerglebel, Louis, assignor.)
Clouser, Harry E., Stockton, and E. R. Thornton, Los Angeles, Calif. Tie for reenforced concrete construction. 1,465,421; Aug. 21.
Codrick, John, et al. (See Peterson, Edwin A., assignor.)
Coleman, Carl J., Minneapolis, Minn. Means for lubricating leaf springs. 1,465,778; Aug. 21.
Coleman, William C., Wichita, Kans. Hydrocarbon-fuel burner. 1,465,422; Aug. 21.
Collins, Francis E., Conshohocken, Pa. Damper regulator. 1,465,624; Aug. 21.
Collins, William D., and G. W. H. Allen, Cazenovia, N. Y. Direction and stop signal. 1,465,596; Aug. 21.
Combustion Engineering Corporation. (See Espenschied, Frederic F., assignor.)
Computing-Tabulating-Recording Co. (See Craig, Robert, assignor.)
Condon, Stephen, Spencer, Iowa. Clamp for levels. 1,465,543; Aug. 21.
Conklin, George R., Norman, Okla. Electric heating apparatus. 1,465,809; Aug. 21.
Connecticut Telephone & Electric Company, The. (See Doble, Harold P., assignor.)
Conrad, Horace L. (See Erickson, W. C., and Conrad.)
Conradi, Harry, Toorak, Victoria, Australia. Machine for making structures centrifugally. 1,465,297; Aug. 21.
Conti, Eugene. (See Herz, R., and Conti.)
Converse Rubber Shoe Company. (See Hodges, Frank W., assignor.)
Cooper, Henry A., West Union, Ohio. Valve-spring lifter. 1,465,843; Aug. 21.
Corby Baking Company, The. (See O'Connell, Edgar E., assignor.)
Cordell, Edward C., San Francisco, Calif. Internal-combustion engines. 1,465,597; Aug. 21.
Corder, Waltman D., Philippi, W. Va. Suspenders. 1,465,779; Aug. 21.
Corl, Robert M., Maumee, assignor, by mesne assignments, to Erie Glass Company, Toledo, Ohio. Process of and apparatus for forming glass. 1,465,347; Aug. 21.
Corrington, Aldon R. (See Corrington, Howard A., assignor.)
Corrington, Howard A., assignor of one-half to A. R. Corrington, Brandt, S. Dak. Connecting link for tire chains. 1,465,710; Aug. 21.
Côté, Alphonse, Eel River, New Brunswick, Canada. Hook. 1,465,510; Aug. 21.
Cox, Ferdinand, Jackson, Mich. Power transmitting and control mechanism. 1,465,348; Aug. 21.
Craglin, George P., Spokane, Wash. Shirt. 1,465,625; Aug. 21.
Craig, Adele M. (See Craig, Herbert W., assignor.)
Craig, Herbert W., Chicago, assignor to A. M. Craig, Riverside, Ill. Illuminator for making photographic enlargements. 1,465,626; Aug. 21.
Craig, Robert, Dayton, Ohio, assignor, by mesne assignments, to Computing-Tabulating-Recording Co., New York, N. Y. Weighing scale. 1,465,252; Aug. 21.
Cramp, William & Sons Ship & Engine Building Company, The. (See Larner, Chester W., assignor.)
Crisson, George, Hackensack, N. J., and A. F. Rose, West Brighton, N. Y., assignors to American Telephone and Telegraph Company. Cord-circuit repeater for use between four-wire and two-wire circuits. 1,465,298; Aug. 21.
Crouse-Hinds Company. (See Bissell, C. H., and Jones, assignors.)
Crowley, Benjamin C., Dillon, Mont. Wind deflector. 1,465,894; Aug. 21.
Csemiczky, Louis. (See Swan, John B., assignor.)
Cummins, Martin J. (See Lynch, Joseph A., assignor.)
Cummins, Norman W., assignor to The Bassick Company, Bridgeport, Conn. Lubricating device. 1,465,253; Aug. 21.
Cunningham, John L., and M. D. Whalen, Cresco, Iowa; said Whalen assignor to said Cunningham. Valve-cage puller. 1,465,349; Aug. 21.
Curran, Edward T., Detroit, Mich. Radiator cap. 1,465,544; Aug. 21.
Currey, Charles F., and K. E. Lyman, Topeka, Kans. Gas and liquid fuel burner and in the process of burning gas and liquid fuel. 1,465,511; Aug. 21.
Curtis, Austen M., East Orange, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y. Electrical-wave filter. 1,465,757; Aug. 21.
Curtis, Austen M., East Orange, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y. Electrical-wave filter. 1,465,758; Aug. 21.

Dahl, Thure E., New York, N. Y. Base for lighting fixtures. Des. 62,886; Aug. 21.
Dahl, Thure E., New York, N. Y. Bracket lantern. Des. 62,887; Aug. 21.
Daniels, Roy R., Indianapolis, Ind. Swivel hook for jacks. 1,465,895; Aug. 21.
Danley, Raymond P., et al. (See Peterson, Edwin A., assignor.)
Davis, Augustine, jr., Covington, Ky., and A. L. Betts, Cincinnati, Ohio; said Betts assignor to said Davis, Can. Des. 62,888; Aug. 21.
Davis, Ernest W., Oak Park, Ill., assignor, by mesne assignments, to The Bassick Manufacturing Company. Lubricating apparatus. 1,465,254; Aug. 21.
Davison, Vergil A., Detroit, Mich., assignor to The Cincinnati Ball Crank Company, Cincinnati, Ohio. Automobile bumper. 1,465,780; Aug. 21.
Dayton Engineering Laboratories Co., The. (See Kettering, C. F., and Chryst, assignors.)
De Brey, Jan H. C., The Hague, Netherlands. Treating of hydrocarbons. 1,465,598; Aug. 21.
De Brey, Jan H. C., The Hague, Netherlands. Treating hydrocarbons. 1,465,599; Aug. 21.
De Camp, James W. (See Barnes, William, assignor.)
De La Mare, Thomas, Tooele, Utah. Mold. 1,465,350; Aug. 21.
De Lotto, Joseph, Cleveland, Ohio. Runner attachment. 1,465,463; Aug. 21.
Delporte, Henri, assignor to Société Anonyme Ougrée-Marihaye, Ougree, Belgium. Skip. 1,465,512; Aug. 21.
Demongeot, Marcel A., deceased, Paris, France; J. Needle, administrator. Manufacture of articles of glass and the like. 1,465,545; Aug. 21.
Detroit Elevated Corporation. (See Oyen, Erling, assignor.)
De Vilbiss Manufacturing Company. (See De Vilbiss, Thomas A., assignor.)
De Vilbiss, Thomas A., assignor to The De Vilbiss Manufacturing Company, Toledo, Ohio. Dropper bottle. Des. 62,889; Aug. 21.
De Vore, Freda C. (See De Vore, Thomas C., assignor.)
De Vore, Thomas C., assignor of one-half to F. C. De Vore, Chicago, Ill. Air valve. 1,465,760; Aug. 21.
Dey, William H., Newark, N. J., assignor to United States Radium Corporation. Luminous pendant. 1,465,759; Aug. 21.

Diamond, Harry H., et al. (See Gentry, George W., assignor.)
Diamond Power Specialty Corporation. (See Bowers, Frank, assignor.)
Dillmeier, Josephine M., New York, N. Y. Casserole holder. 1,465,464; Aug. 21.
Dinkelspiel, Lawrence, West New York, and E. Bosshardt, Hudson Heights, N. J., assignors to Harnapp, Dinkelspiel & Co., Inc. Lace. Des. 62,890; Aug. 21.
Dinkelspiel, Lawrence, West New York, and E. Bosshardt, Hudson Heights, N. J., assignors to Harnapp, Dinkelspiel & Co., Inc. Lace. Des. 62,891; Aug. 21.
Dinkelspiel, Lawrence, West New York, and E. Bosshardt, Hudson Heights, N. J., assignors to Harnapp, Dinkelspiel & Co., Inc. Lace. Des. 62,892; Aug. 21.
Dinkelspiel, Lawrence, West New York, and E. Bosshardt, Hudson Heights, N. J., assignors to Harnapp, Dinkelspiel & Co., Inc. Lace. Des. 62,893; Aug. 21.
Dinkelspiel, Lawrence, West New York, and E. Bosshardt, Hudson Heights, N. J., assignors to Harnapp, Dinkelspiel & Co., Inc. Lace. Des. 62,894; Aug. 21.
Dinkelspiel, Lawrence, West New York, and E. Bosshardt, Hudson Heights, N. J., assignors to Harnapp, Dinkelspiel & Co., Inc. Lace. Des. 62,895; Aug. 21.
Dinkelspiel, Lawrence, West New York, and E. Bosshardt, Hudson Heights, N. J., assignors to Harnapp, Dinkelspiel & Co., Inc. Lace. Des. 62,896; Aug. 21.
Dinkelspiel, Lawrence, West New York, and E. Bosshardt, Hudson Heights, N. J., assignors to Harnapp, Dinkelspiel & Co., Inc. Lace. Des. 62,897; Aug. 21.
Dinkelspiel, Lawrence, West New York, and E. Bosshardt, Hudson Heights, N. J., assignors to Harnapp, Dinkelspiel & Co., Inc. Lace. Des. 62,898; Aug. 21.
Dinkelspiel, Lawrence, West New York, and E. Bosshardt, Hudson Heights, N. J., assignors to Harnapp, Dinkelspiel & Co., Inc. Lace. Des. 62,899; Aug. 21.
Dinkelspiel, Lawrence, West New York, and E. Bosshardt, Hudson Heights, N. J., assignors to Harnapp, Dinkelspiel & Co., Inc. Lace. Des. 62,900; Aug. 21.
Dinkelspiel, Lawrence, West New York, and E. Bosshardt, Hudson Heights, N. J., assignors to Harnapp, Dinkelspiel & Co., Inc. Lace. Des. 62,901; Aug. 21.
Disbrow, Clarkson A. (See Thomson, W. P., and Disbrow.)
Dixon, Charles W., Racine, Wis. Low-gasoline signal. 1,465,351; Aug. 21.
Dixon, Philip R., Cincinnati, Ohio. Gas burner. 1,465,810; Aug. 21.
Dobson, George G., Passaic, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y. Electrical testing system. 1,465,352; Aug. 21.
Donaldson, William J., Philadelphia, Pa. Picture slide. 1,465,353; Aug. 21.
Donigan, Christopher F., Newark, N. J. Heel. 1,465,896; Aug. 21.
Doule, Harold P., assignor to The Connecticut Telephone & Electric Company, Incorporated, Meriden, Conn. Inductance. 1,465,546; Aug. 21.
Donogh, Robert J., New York, N. Y. Demountable rim. 1,465,354; Aug. 21.
Dorf, Louis, Snoqualmie Falls, Wash. Cultivator. 1,465,811; Aug. 21.
Dorsey, Farnum F., assignor to North East Electric Company, Rochester, N. Y. Pigtail connection. 1,465,255; Aug. 21.
Drissner, Alfred E., assignor to The National Acme Company, Cleveland, Ohio. Push chucking mechanism. 1,465,256; Aug. 21.
Drissner, Alfred E., assignor to The National Acme Company, Cleveland, Ohio. Drawback chucking mechanism. 1,465,257; Aug. 21.
Driver, Frank L., jr., Newark, assignor to Driver-Harris Company, Harrison, N. J. Electric resistance element. 1,465,547; Aug. 21.
Driver-Harris Company. (See Driver, Frank L., jr., assignor.)
Dryer, Edwin H., Bakersfield, Calif. Check protector. 1,465,388; Aug. 21.
Duffie, John J., Berkeley, Calif., assignor to Government of the United States. Circuit closer. 1,465,465; Aug. 21.
Dunbar, David, Glasgow, assignor to The Lennox Manufacturing Company, Limited, Duntocher, Dumbartonshire, Scotland. Tie for masonry. 1,465,812; Aug. 21.
Dunlop Rubber Company, The. (See Macbeth, C., and Willshaw, assignors.)
Dünnebier, Max. (See Winkler, A., and Dünnebier.)
Durbin, Vernon, Brookline, assignor to The Holtzer-Cabot Electric Company, Roxbury, Mass. Fire-alarm apparatus. 1,465,425; Aug. 21.
Durgin, Edgar R., assignor to New Jersey Optical Co., Newark, N. J. Producing rims of celluloid for eyeglasses. 1,465,423; Aug. 21.
Durgin, Edgar R., assignor to New Jersey Optical Co., Newark, N. J. Producing rings of celluloid for eyeglasses and spectacles. 1,465,424; Aug. 21.
Duryea, William F., Hackensack, N. J. Valve. 1,465,844; Aug. 21.
Dutton, John R., et al. (See Gentry, George W., assignor.)
Dwiggins, John W., Muncie, assignor to R. H. Schweitzer, Knightstown, Ind. Wire-fence loom. 1,465,761; Aug. 21.
Dyson, Harry. (See Gaunt, J. S., and Dyson.)
Eaton, Corl H. (See Stevens, G. H., and Eaton.)
Eberhardt, Emanuel G., Racine, Wis. Combination electric heater. 1,465,355; Aug. 21.
Edmunds & Jones Corporation. (See Snorf, Newton L., assignor.)
Edwards, Alonzo L., and J. A. McGinnis, assignors to Wheeling Stamping Company, Wheeling, W. Va. Cap-feeding mechanism. 1,465,897; Aug. 21.
Edwards, Gladys M., Sacramento, Calif. Alarm for pocketbooks, etc. 1,465,466; Aug. 21.
Eisele, Charles. (See Goodfellow, Joseph P., assignor.)
Eldred, Byron E., Long Island City, N. Y., assignor, by mesne assignments, to Carbide and Carbon Chemicals Corporation. Separating olefines from gaseous mixtures. 1,465,600; Aug. 21.
Eldred, Byron E., New York, and B. T. Brooks, Bayside, N. Y., assignors, by mesne assignments, to Carbide and Carbon Chemicals Corporation. Process and apparatus for manufacture of chlorhydrins. 1,465,601; Aug. 21.
Electric Auto-Lite Corporation. (See Gilchrist, Clarence F., assignor.)
Ellis, Harry E., Leesburg, Fla. Pulp-making machine. 1,465,579; Aug. 21.
Emerson Brantingham Company. (See Brown, C. H., and Hinds, assignors.)
Emond, William H., assignor to H. H. Franklin Mfg. Company, Syracuse, N. Y. Body and seat arrangement for motor vehicles. 1,465,729; Aug. 21.
Englert, Charles A. (See Englert, George F., assignor.)
Englert, George F., assignor of one-half to C. A. Englert, Pittsburgh, Pa. Tire. Des. 62,902; Aug. 21.
Enterprise Railway Equipment Company. (See Campbell, Argyle assignor.)
Erb, Irwin H., West Liberty, Iowa. Heating and cooling system for windows, doors, and the like. 1,465,513; Aug. 21.
Erickson, Wallace C., and H. L. Conrad, Seattle, Wash. Wheel puller. 1,465,467; Aug. 21.
Erie Glass Company. (See Corl, Robert M., assignor.)
Espenschied, Frederic F., assignor to Combustion Engineering Corporation, New York, N. Y. Fuel-burning furnace. 1,465,426; Aug. 21.
Espenschied, Lloyd, Hollis, and J. F. Toomey, New York, N. Y., assignors to American Telephone and Telegraph Company. Low-frequency alternating-current signaling system. 1,465,299; Aug. 21.
Evans, Emrys E., Streator, Ill. Lettering pen. 1,465,845; Aug. 21.
Farmer, Clyde C., Pittsburgh, assignor to The Westinghouse Air Brake Company, Wilmerding, Pa. Fluid-pressure brake. 1,465,781; Aug. 21.
Fellabaum, Newton, Sperry, Okla. Pipe tongs. 1,465,813; Aug. 21.
Fields, Elmer F. (See Fields, Russell C. and E. F.)
Fields, Russell C. and E. F., Pipestone, Minn. Rotatable seesaw. 1,465,662; Aug. 21.
Findlay, James C., San Francisco, Calif. Nozzle. 1,465,580; Aug. 21.
Fisher Body Corporation. (See Smith, Albert W., assignor.)
Fisher, Frederick W., and H. Johnson, Detroit, Mich. Toothbrush holder. 1,465,627; Aug. 21.
Fisher, William C., assignor to Russell Mfg. Co., Middletown, Conn. Unwoven brakeband facing. 1,465,389; Aug. 21.
Fisk, Carl A., New York, N. Y. Nonpneumatic tire. 1,465,898; Aug. 21.
Fitch, John F., Buchanan, Va. Vending machine. 1,465,628; Aug. 21.
Fitz Gerald, John M., River Forest Ill. Light projection. 1,465,468; Aug. 21.
Flagg, Ernest, New York, N. Y. Roof structure. 1,465,899; Aug. 21.
Flauder, Alfred J., assignor to The Weidlich Bros. Mfg. Co., Bridgeport, Conn. Salt and pepper shaker. Des. 62,927; Aug. 21.
Flynn, Daniel A., Mechanicville, N. Y. Differential gearing. 1,465,469; Aug. 21.
Forney, Garnet. (See Hoecker, Albert C., assignor.)
Forsburg, Charles M., Williamsport, Pa. Fish and bait carrier. 1,465,814; Aug. 21.
Foster, Frank, Preston, England. Inking mechanism for printing presses. 1,465,900; Aug. 21.
Foster, Theodore W., assignor to Theodore W. Foster Brothers Company, Providence, R. I. Powder-cake holder. 1,465,548; Aug. 21.
Foster, Theodore W., Brothers Company. (See Foster, Theodore W., assignor.)
Francis, Edgar A., Marshalltown, Iowa. Gauge. 1,465,920; Aug. 21.
Frank, William J., Baltimore, Md. Welding torch. 1,465,390; Aug. 21.
Franklin, H. H., Mfg. Company. (See Emond, William H., assignor.)
French, Arthur G., Altrincham, assignor to Linotype and Machinery Limited, London, England. Means for controlling the operation of pawl-and-ratchet mechanism. 1,465,258; Aug. 21.
French, Charles D., East Angus, Quebec, Canada. Figure wheeled toy. 1,465,901; Aug. 21.
French, Raleigh L., New York, N. Y. Signal device for motor vehicles. 1,465,427; Aug. 21.
Fried. Krupp Aktiengesellschaft. (See Bartholdy, Max, assignor.)

Fried. Krupp Aktiengesellschaft. (See Sundhaussen, Hermann, assignor.)
Fried Krupp Aktiengesellschaft. (See Thun, Hermann, assignor.)
Friedman, Fred E. (See Purves, John A., assignor.)
Friedman, Henry, Chicago, Ill. Dental apparatus. 1,465,259; Aug. 21.
Fuhrmann, Henry W. A., Alhambra, Calif. Intake lock for motor vehicles. 1,465,924; Aug. 21.
Fuzzard, Ralph M., Miami, Fla. Dynamite punch. 1,465,300; Aug. 21.
Gafner, Hans, Escanaba, Mich. Adjustable shoe last. 1,465,356; Aug. 21.
Galion Iron Works & Mfg. Co., The. (See Arndt, Franklin E., assignor.)
Gallagher, Michael L., and S. Brockson, Hankinson, N. Dak. Valve mechanism for explosive engines. 1,465,428; Aug. 21.
Gamewell Fire Alarm Telegraph Company, The. (See Suren, Nathan H., assignor.)
Gardner, Ralph D., Beloit, Wis. Grinding machine. 1,465,762; Aug. 21.
Gasparaitis, Stanley, Chicago, Ill. Lifting device. 1,465,429; Aug. 21.
Gas Light and Coke Company, The. (See Lowcock, W., and Tallantyre, assignors.)
Gaunt, Joseph S., Manchester, and H. Dyson, Huddersfield, England. Spindle mechanism of spinning and like frames. 1,465,514; Aug. 21.
Geier, James, Troy, N. Y. Stop signal device. 1,465,260; Aug. 21.
Gelst Manufacturing Company. (See Wiederwax, Robert W., assignor.)
Gentry, George W., Yeager, Okla., assignor of one-fourth to H. H. Diamond and one-fourth to J. R. Dutton, Holdenville, Okla. Windmill. 1,465,902; Aug. 21.
George, James H., New York, N. Y. Barrel fastening. 1,465,430; Aug. 21.
George, Jerome R., and W. E. Carroll, assignors to Morgan Construction Company, Worcester, Mass. Die box for wire-drawing machinery. 1,465,730; Aug. 21.
Gerstmayr, Anton, Chicago, Ill. Vehicle wheel. 1,465,261; Aug. 21.
Giba, Piotr, Chicago, Ill. Permutation door lock. 1,465,262; Aug. 21.
Gilchrist, Clarence F., assignor to Electric Auto-Lite Corporation, Toledo, Ohio. Lamp. 1,465,549; Aug. 21.
Gilchrist Company, The. (See Gilchrist, Raymond B., assignor.)
Gilchrist, Raymond B., assignor to The Gilchrist Company, Newark, N. J. Drink mixer. 1,465,629; Aug. 21.
Gilchrist, Raymond B., assignor to The Gilchrist Company, Newark, N. J. Drink mixer. 1,465,630; Aug. 21.
Gilchrist, Raymond B., assignor to The Gilchrist Company, Newark, N. J. Drink mixer. 1,465,631; Aug. 21.
Gilchrist, Raymond B., assignor to The Gilchrist Company, Newark, N. J. Drink mixer. 1,465,632; Aug. 21.
Gilchrist, Raymond B., assignor to The Gilchrist Company, Newark, N. J. Drink mixer. 1,465,633; Aug. 21.
Gilchrist, Raymond B., assignor to The Gilchrist Company, Newark, N. J. Drink mixer. 1,465,634; Aug. 21.
Gilchrist, Raymond B., assignor to The Gilchrist Company, Newark, N. J. Drink mixer. 1,465,635; Aug. 21.
Glanzer, Ludwig, Winkler, Kans. Rail joint. 1,465,263; Aug. 21.
Glass, Perley R., Brookline, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J. Mechanism for controlling power-driven machines. 1,465,391; Aug. 21.
Globe Automatic Sprinkler Company. (See Rowley, Arthur C., assignor.)
Gloor, Albert, Chicago, Ill. Wrench. 1,465,470; Aug. 21.
Gmelin, Jacob H., assignor of one-half to J. A. Naismith, San Jose, Calif. Flower holder. 1,465,636; Aug. 21.
Gohmert, Louis, Cuero, Tex. Composition for impregnating and preserving wood. 1,465,603; Aug. 21.
Goldberg, Michael R., Minneapolis, Minn. Lamp support. Des. 62,903; Aug. 21.
Goldner, Elmer M., Ellston, Iowa. Tool-driving attachment for automobiles. 1,465,815; Aug. 21.
Goldstone, Frederick G., Plumstead, London, assignor to J. F. Bernard, and J. B. Bolitho, London, England. Electric condenser. 1,465,264; Aug. 21.
Goodfellow, Joseph P., assignor of one-fourth to C. Eisele, Blaine, Wash. Pump. 1,465,392; Aug. 21.
Goodman Manufacturing Company. (See Packer, Glenn W., assignor.)
Goodridge, Gilbert W., assignor to The Bryant Electric Company, Bridgeport, Conn. Adapter. 1,465,816; Aug. 21.
Goodrum, Charles L., assignor to Western Electric Company, Incorporated, New York, N. Y. Telephone-exchange system. 1,465,393; Aug. 21.
Goodwin, John D. (See Stipes, R. B., Goodwin, and Welch.)
Gordon, William A., Shelton, assignor to The Birmingham Iron Foundry, Derby, Conn. Pneumatic-clutch control. 1,465,431; Aug. 21.
Gorrell, John W., Connelsville, Mo. Luggage carrier. 1,465,515; Aug. 21.
Goss, Samuel G., Glencoe, assignor to Halsam Products Company, Chicago, Ill. Playblock. 1,465,637; Aug. 21.
Goss, Samuel G., deceased, Glencoe, Ill.; Central Trust Company of Illinois, executor, assignor to Halsam Products Company, Chicago, Ill. Method of an apparatus for manufacturing and printing toy blocks. 1,465,638; Aug. 21.
Gould, Le Roy E., Sherman, S. Dak. Dispenser. 1,465,902; Aug. 21.
Government of the United States. (See Duffie, John F., assignor.)
Graham, Harland B., San Jose, Calif. Fluid-pressure device. 1,465,471; Aug. 21.
Graham, John, Liverpool, England. Stowage and launching of ships' lifeboats. 1,465,639; Aug. 21.
Graham, Leslie B., East Chicago, Ind., assignor to Graham-Wittenborn Corporation, Chicago, Ill. Spring motor. 1,465,663; Aug. 21.
Graham-Wittenborn Corporation. (See Graham, Leslie B., assignor.)
Gray, Edward, St. Louis, Mo. System of cleaning furnaces. 1,465,711; Aug. 21.
Gray, Garold C. J. (See McCracken, E., and Gray.)
Great Western Meter Co. (See Lyman, Ray J., assignor.)
Green Engineering Company. (See Strong, Arthur P., assignor.)
Greene, Morgan A., Salina, Kans. Trousers supporter. 1,465,903; Aug. 21.
Griesser, Wilhelm, Pittsburgh, Pa. Caisson. 1,465,664; Aug. 21.
Grimme, Natalis & Co., Kommandit-Gesellschaft auf Aktien. (See Schaller, Carl, assignor.)
Grindle, Aubrey J., Chicago, assignor to Grindle Fuel Equipment Company, Harvey, Ill. Delivery tank for powdered material. 1,465,665; Aug. 21.
Grindle Fuel Equipment Company. (See Grindle, Aubrey J., assignor.)
Groh, Robert C., St. Paul, Minn. Stocking. Des. 62,904; Aug. 21.
Grohens, Albert P., Marshall, Mich. Grinding mill. 1,465,666; Aug. 21.
Groves, Thomas, St. Louis, Mo. Automobile signal. 1,465,301; Aug. 21.
Gunn, Shelton J., Gunntown, Fla. Automatic machine for shaping and fastening iron bands to box material. 1,465,817; Aug. 21.
Gunn, Shelton J., Gunntown, Fla. Reel. 1,465,818; Aug. 21.
Gurvine, Frederick J. (See Atkinson, Le Roy E., assignor.)
Guth, Jacob, St. Louis, Mo. Tractor water-cooling device. 1,465,432; Aug. 21.
Haff, Robert C. (See Cheesman, R. D., and Haff.)
Hager, William R., assignor to Troy Laundry Machinery Co., Ltd., Chicago, Ill. Clothes-handling mechanism. 1,465,433; Aug. 21.
Hall-Neal Furnace Company. (See Neal, Harry W., assignor.)
Hall Printing Press Company. (See White, Joseph, assignor.)
Hallenberg, Albert, Fargo, N. Dak. X-ray-film holder. 1,465,516; Aug. 21.
Halsam Products Company. (See Goss, Samuel G., assignor.)
Halstead, Oliver B., near Ontario, Calif. Orchard heater. 1,465,819; Aug. 21.
Hamilton, John H., Seattle, Wash. Sandal. Des. 62,905; Aug. 21.
Hamme, Spencer W., Philadelphia, Pa. Storm ventilator for windows. 1,465,265; Aug. 21.
Handel Maatschappij H. Albert De Bary & Coy. (See Scheuer, Alfred and H., assignors.)
Hansen, Thomas C., Caney, Kans. Making crowns and forms therefor. 1,465,472; Aug. 21.
Hansen, Thomas C., Caney, Kans. Means for molding backings for artificial teeth. 1,465,473; Aug. 21.
Hanson, Bengt M. W., Hartford, Conn. Wheel-truing mechanism. 1,465,266; Aug. 21.
Hanson, Henry W., Cheney Center, Colo. Top for tractors. 1,465,712; Aug. 21.
Harbison, Benjamin. (See Smith, H. A., Le Gendre, and Harbison.)
Harnapp, Dinkelspiel & Co. (See Dinkelspiel, L., and Bosshardt, assignors.)
Harrison, Charles B., et al. (See Marsh, Gerald, assignor.)
Hartford Rubber Works Company, The. (See Lough, Hector V., assignor.)
Hartshorn, Willis N., Racine, Wis. Grinding mill. 1,465,713; Aug. 21.
Harwood, George S., & Son. (See Howe, Joseph B., assignor.)
Haskel, Fred, Detroit, Mich. Wedge. 1,465,302; Aug. 21.
Hastings, Donald T., Detroit, Mich. Steering gear. 1,465,667; Aug. 21.
Hawkins, Harry L., assignor to W. S. Mayer, Philadelphia, Pa. Electric-conductor support. 1,465,731; Aug. 21.
Hay, Howard M., Wenonah, N. J. Power-operated chuck. 1,465,820; Aug. 21.
Hayden, Arthur C., Brockton, Mass. Mat. 1,465,550; Aug. 21.
Heacock, Nathan A., Sullivan, Ill. Stock feeder. 1,465,763; Aug. 21.

Hecht, Albert F., Worth, Ill. Washing machine. 1,465,517; Aug. 21.
Heftler, Victor R., Detroit, Mich., assignor to Societe du Carburateur Zenith, Lyon, France. Stop lever. 1,465,668; Aug. 21.
Heising, Raymond A., East Orange, N. J., assignor to Western Electric Company Incorporated, New York, N. Y. Radiocommunication. 1,465,357; Aug. 21.
Heising, Raymond A., East Orange, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y. Signaling. 1,465,358; Aug. 21.
Heising, Raymond A., East Orange, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y. System of communication. 1,465,732; Aug. 21.
Helburn Thompson Company. (See Boynton, Phillip F., assignor.)
Henderson, Charles R., Waterloo, Ill. Screen attachment for automobiles. 1,465,821; Aug. 21.
Hendricks, Omri L., Flint, Mich. Capsule-filling machine. 1,465,518; Aug. 21.
Hendrickson, Fredrick A., Revelstoke, British Columbia, Canada. Lever attachment. 1,465,846; Aug. 21.
Henry, Charles F., Belvidere, Ill. Milling machine. 1,465,303; Aug. 21.
Henry, Solomon T., Downsville, La. Spear. 1,465,267; Aug. 21.
Herdle, Frederick J., Chicago, Ill. Muffler. 1,465,904; Aug. 21.
Herz, Alexander. (See Herz, R., and Conti, assignors.)
Herz, Rudolph, New Rochelle, N. Y., and E. Conti, West New York, N. J., assignors to A. Herz. Packaging machine. 1,465,921; Aug. 21.
Hess, John A., Philadelphia, Pa. File-cutting machine. 1,465,434; Aug. 21.
Hesselman, Knut J. E., Saltsjo-Storangen, Sweden. Fuel pump for internal-combustion engines. 1,465,474; Aug. 21.
Hesselman, Knut J. E., Saltsjo-Storangen, Sweden. Fuel-supply valve. 1,465,822; Aug. 21.
Heywood-Wakefield Company. (See Lloyd, Marshall B., assignor.)
Higgins, Frank A., Bellevue, Ohio. Velocipede. 1,465,435; Aug. 21.
Hinchey, Robert E., Aurora, Mo. One-story moving display advertising machine. 1,465,304; Aug. 21.
Hinds, Herbert H. (See Brown, C. R., and Hinds.)
Hird, William, Cuba, Wis. Gate opener. 1,465,551; Aug. 21.
Hitz, Joseph. (See Hitz, Maurice, assignor.)
Hitz, Maurice, Belfort, France, assignor to J. Hitz, Lyon, France. Dirigible headlight. 1,465,847; Aug. 21.
Hobeck, Augustus, and J. Laughlin, Toronto, Ontario, Canada. Flushing system. 1,465,823; Aug. 21.
Hochstadter, Harry C., Philadelphia, Pa. Holder for dental floss and other thread. 1,465,669; Aug. 21.
Hodges, Frank W., assignor to Converse Rubber Shoe Company, Malden, Mass. Apparatus for applying rubber outsoles to shoes. 1,465,824; Aug. 21.
Hodgkins, Albert A., Bridgeport, Conn., assignor to The American Fabrics Company. Embroidery trimming. Des. 62,908; Aug. 21.
Hodgkins, Albert A., Bridgeport, Conn., assignor to The American Fabrics Company. Featherstitch braid or similar article. Des. 62,906; Aug. 21.
Hodgkins, Albert A., Bridgeport, Conn., assignor to The American Fabrics Company. Featherstitch braid and the like. Des. 62,907; Aug. 21.
Hoecker, Albert C., Collinsville, Ill., assignor, by mesne assignments, to G. Forney. Combined contractor and expander for automobile tire rims. 1,465,305; Aug. 21.
Hoff, Stephen C., Delavan, Ill. Tool for compressing valve springs. 1,465,905; Aug. 21.
Hoffman, Frederick C., assignor to Hoffman & Haynes Company, Hartford, Conn. Mop head. 1,465,436; Aug. 21.
Hoffman & Haynes Company. (See Hoffman, Frederick C., assignor.)
Holbrook, Henry E., Boston, Mass. Hinge. 1,465,268; Aug. 21.
Holdsworth, Fred D., Claremont, N. H., assignor to Sullivan Machinery Company. Controlling mechanism. 1,465,437; Aug. 21.
Holland, Newman H., assignor to New Jersey Patent Company, West Orange, N. J. Phonograph recorder. 1,465,764; Aug. 21.
Hollinger, Gordon, St Jacobs, Canada. Thrashing-machine attachment. 1,465,438; Aug. 21.
Holloway, Le Roy P., assignor to The Biggs Boiler Works Company, Akron, Ohio. Retort door. 1,465,906; Aug. 21.
Holmes, Rudolph A., Detroit, Mich., assignor to Morgan & Wright. Stitcher mechanism for tire-making machine. 1,465,552; Aug. 21.
Holmgreen, Julius H., San Antonio, Tex. Bending machine. 1,465,733; Aug. 21.
Holt, Frank A., Rochdale, and G. Kershaw, Whitworth, England. Creel and support for yarn. 1,465,359; Aug. 21.
Holtzer-Cabot Electric Company, The. (See Durbin, Vernon, assignor.)
Homrighous, Reber. (See Mayes, J., and Homrighous.)
Hopkins, Thomas O., Kansas City, Mo. Fastening device. 1,465,848; Aug. 21.
Hotchkiss, E. H., Company, The. (See Polzer, Fridolin, assignor.)
Housekeeper, William G., assignor to Western Electric Company, Incorporated, New York, N. Y. Control apparatus for evacuated vessels. 1,465,394; Aug. 21.
Houston, George S., Minneapolis, Minn. Paper-folding machine. 1,465,440; Aug. 21.
Howard, Richard B., Golconda, Nev. Comb. 1,465,519; Aug. 21.
Howe, Joseph B., Worcester, assignor to G. S. Harwood & Son, Boston, Mass. Clutch brake for card feeders. 1,465,670; Aug. 21
Howe, Junius A., Brooklyn, assignor to Registrar Service Corporation, New York, N. Y. Recording machine. 1,465,441; Aug. 21.
Howe, Oliver J., assignor to Mawhinney Last Company, Brockton, Mass. Shoe tree. 1,465,270; Aug. 21.
Howe, Oliver J., assignor to Mawhinney Last Company, Brockton, Mass. Shoe tree. 1,465,271; Aug. 21.
Hope, Frederick T., assignor of one-sixth to P. Iseman, one-sixth to G. A. Meagher, and one-sixth to J. A. Caldwell, Seattle, Wash. Draft-controlling device. 1,465,475; Aug. 21.
Hopkins, Charles L., River Forest, assignor to Benjamin Electric Manufacturing Company, Chicago, Ill. Electrical switch. 1,465,306; Aug. 21.
Horn, Robert W. P., Allentown, and J. H. Nissley, Manheim, Pa. Method of and system for conveying. 1,465,269; Aug. 21.
Hornbeck, Charles H., Appleton, Wis., assignor to Kimberly-Clark Company, Neenah, Wis. Safety device on power-operated paper-trimming machines. 1,465,439; Aug. 21.
Hubbard, William E., San Francisco, Calif. Pump driving and balancing mechanism. 1,465,671; Aug. 21.
Huber, Frederick W., Riverside, Calif., assignor, by mesne assignments, to Western Precipitation Company. Producing cement and by-products. 1,465,907; Aug. 21.
Hungerford, Warren H. (See Peters, F. M., and Hungerford.)
Hunter, John S., Manly, New South Wales, Australia. Beef-carcass-splitting machine. 1,465,004; Aug. 21.
Hurd, Carroll, Cleveland, Ohio. Liquid extractor. 1,465,825; Aug. 21.
Hyde, Burdon P., assignor to Scovill Manufacturing Company, Waterbury, Conn. Vanity box. Des. 62,928; Aug. 21.
Hyndes, George M., Dallas, Tex. Automatic ball-bearing side bearing for railway trucks. 1,465,908; Aug. 21.
Indahl, Mauritz C., assignor to Lanston Monotype Machine Company, Philadelphia, Pa. Typographic border mechanism. 1,465,272; Aug. 21.
Infante, Carlos D., Leon, Mexico. Automatic phonograph. 1,465,909; Aug. 21.
Ingersoll-Rand Company. (See Taylor, Albert H., assignor.)
Iron City Products Company. (See Arnold, Edwin E., assignor.)
Iseman, Paul, et al. (See Hope, Frederick T., assignor.)
Ivie, Leon, Salina, Utah. Tool for repairing wire fences. 1,465,910; Aug. 21.
Jacob, Heinrich, assignor to the Firm of Optische Anstalt C. P. Goerz Aktiengesellschaft, Friedenau, near Berlin, Germany. Projectile. 1,465,911; Aug. 21.
Jammer, Jacob S., assignor to Western Electric Company, Incorporated, New York, N. Y. Testing circuits for carrier wave-signaling systems. 1,465,395; Aug. 21.
Jardine, A. B., and Company. (See Jardine, Peter, assignor.)
Jardine, Peter, assignor to A. B. Jardine and Company, Limited, Hespeler, Ontario, Canada. Press. 1,465,922; Aug. 21.
Jennison-Wright Company, The. (See Cherrington, Frank W., assignor.)
Jensen, Martin, Cheraw, S. C. Hinge. 1,465,912; Aug. 21.
John L. Whiting-J. J. Adams Co. (See Channonhouse, Frederick S., assignor.)
Johnson, Arthur A., assignor to Underwood Typewriter Company, New York, N. Y. Typewriting machine. 1,465,640; Aug. 21.
Johnson, Benjamin, Lexington, Ky. Motor cycle and aeroplane. 1,465,913; Aug. 21.
Johnson Fare Box Company. (See Baur, Hugo J., assignor.)
Johnson, Harry. (See Fisher, F. W., and Johnson.)
Johnson, James H., Washington, D. C. Wrapper. 1,465,581; Aug. 21.
Johnson, Paul W., Tacoma, Wash. Shock absorber for automobile springs. 1,465,396; Aug. 21.
Johnston, Horace G., Corsicana, Tex. Gas scrubber. 1,465,397; Aug. 21.
Jones, Allan H., assignor to Circle Stamping & Mfg. Co., Belleville, N. J. Multiple-roller bearing. 1,465,788; Aug. 21.
Jones, Ralph E. (See Bissell, C. H., and Jones.)
Jones, Robert E., Evergreen, Colo. Slack-burning stove and furnace. 1,465,442; Aug. 21.
Josler, Angelo, assignor of one-half to F. P. Smith, Chicago, Ill. Window guard. 1,465,443; Aug. 21.
Joslin, A. D., Manufacturing Company. (See Sheras, Morris, assignor.)
Jung, John, Campbellsport, Wis. Draft coupling. 1,465,849; Aug. 21.

Kaplan, Samuel, Monroe, La. Wheel for automobiles. 1,465,714; Aug. 21.
Kaplan, Samuel, Monroe, La. Wheel for automobiles. 1,465,715; Aug. 21.
Karsting, H. B. (See McCracken, E., and Gray, assignors.)
Kauth, Henry J. (See Schares, Henry J. and Kauth.)
Keene, Walter E., Baltimore, Md. Brush holder. 1,465,642; Aug. 21.
Keller, William H., and A. Schinkez, assignors to William H. Keller, Inc., Grand Haven, Mich. Pneumatic-tool construction. 1,465,765; Aug. 21.
Keller, William H., Inc. (See Keller, W. H., and Schinkez, assignors.)
Keller, William H., Inc. (See Shaff, Ernest H., assignor.)
Kelley, George C., Taft, Calif. Apparatus for preparing oil for electric treatment. 1,465,398; Aug. 21.
Kelley, William V. D., Brooklyn, N. Y., assignor to Prizma, Incorporated. Sensitive plate, film, or the like for color prints. 1,465,643; Aug. 21.
Kelly, Richard J., Syracuse, N. Y. Machine for cleaning catch basins. 1,465,641; Aug. 21.
Keogan, Richard C., South Bend, Ind. Reenforced-concrete beam. 1,465,307; Aug. 21.
Kershaw, Grindrod. (See Holt, F. A., and Kershaw.)
Kettering, Charles F., and W. A. Chryst, Dayton, Ohio, assignors to The Dayton Engineering Laboratories Company. Ignition apparatus. 1,465,644; Aug. 21.
Kidder, Imogene, and L. Melton, Portland, Oreg. Art lamp. Des. 62,909; Aug. 21.
Kieffer, Eugene T., and W. B. Stevenson, Philadelphia, Pa., assignors to Victor Talking Machine Company. Cabinet for talking machines. Des. 62,910; Aug. 21.
Kieffer, Eugene T., and W. B. Stevenson, Philadelphia, Pa., assignors to Victor Talking Machine Company. Cabinet for talking machines. Des. 62,911; Aug. 21.
Kimberly-Clark Company. (See Hornbeck, Charles H., assignor.)
King, Robert C., El Paso, Tex. Retreading machine. 1,465,826; Aug. 21.
Kinsman, William A., and H. E. Nock, assignors to Towle Manufacturing Company, Newburyport, Mass. Display chest. 1,465,850; Aug. 21.
Kirk, Lloyd H., assignor to Martin-Copeland Company, Providence, R. I. Solder-filled wire and manufacturing same. 1,465,553; Aug. 21.
Kiss, Mike, Maline, Ill. Rail joint. 1,465,914; Aug. 21.
Klein, Frederick, New York, assignor to National Indicator Company, Long Island City, N. Y. Braiding machine. 1,465,554; Aug. 21.
Kleinsmith, Frederick, Indianapolis, Ind. Operating means for automobile door latches. 1,465,399; Aug. 21.
Klutz, Warren L., Birmingham, Ala. Blast-furnace top. 1,465,273; Aug. 21.
Kneass, Strickland L., assignor to William Sellers & Company, Incorporated, Philadelphia, Pa. Valve. 1,465,645; Aug. 21.
Knight American Patents Company. (See Porter, Finley R., assignor.)
Knight, Arthur R., et al. (See Stevens, G. H., and Eaton, assignors.)
Koebel, Otto P., St. Louis, Mo. Washing machine. 1,465,444; Aug. 21.
Komusin, Helene, geb. Liedtke, Berlin, Germany. Rolling stamp with counting mechanism for various printing purposes. 1,465,915; Aug. 21.
Konetsky, John R., assignor to Reliance Trailer & Truck Co., Inc., San Francisco, Calif. Axle, spring, and steering-knuckle assembly. 1,465,605; Aug. 21.
Kraknauer, Phillip, New York, N. Y. Spring pad. 1,465,766; Aug. 21.
Krause, Leo, New York, N. Y. Bulletproof armor. 1,465,767; Aug. 21.
Krebs, Charles H., Milwaukee, Wis., assignor to Krebs Safety Razor Corporation, Chicago, Ill. Safety razor. 1,465,274; Aug. 21.
Krebs Safety Razor Corporation. (See Krebs, Charles H., assignor.)
Kress, Oscar W., Waterloo, Iowa. Hypodermic needle. 1,465,851; Aug. 21.
Kunkel, Fred E., Washington, D. C. Guide bar for guide cards. 1,465,827; Aug. 21.

Ladd, James B., Ardmore, Pa., assignor to United States Cast Iron Pipe & Foundry Company, Burlington, N. J. Foundry plant. 1,465,275; Aug. 21.
Ladd, James B., Ardmore, Pa., assignor to United States Cast Iron Pipe & Foundry Company, Burlington, N. J. Foundry plant. 1,465,276; Aug. 21.
Landi, Michael, Paterson, N. J. Attachment for winding machines. 1,465,520; Aug. 21.
Lane, Floyd C., Houston, Tex. Resilient vehicle wheel. 1,465,476; Aug. 21.
Lane, George H., Pontiac, Mich. Chock block. 1,465,852; Aug. 21.
Lanston Monotype Machine Company. (See Booth, Joseph B. S., assignor.)
Lanston Monotype Machine Company. (See Indahl, Mauritz C., assignor.)
Larner, Chester W., Philadelphia, Pa., assignor to The William Cramp & Sons Ship & Engine Building Company. Valve. 1,465,916; Aug. 21.
Larsen, Lars, Ocean Falls, British Columbia, Canada. Cradling boom for cordwood. 1,465,716; Aug. 21.
Lathrop, Harry D., Chicago, Ill. Can-washing machine. 1,465,734; Aug. 21.
Laughlin, John. (See Hobeck, A., and Laughlin.)
Lavine, John W., Bridgeport, Conn. Pull-socket current tap. 1,465,735; Aug. 21.
Leager, Samuel F., and F. H. Vliet, Spotswood, N. J. Spark plug. 1,465,582; Aug. 21.
Leary, William E., Placerville, Idaho. Saw set. 1,465,606; Aug. 21.
Lee, Charles F., Astoria, assignor of one-third to G. C. Pablow, Galesburg, Ill. Door latch. 1,465,672; Aug. 21.
Le Gendre, William. (See Smith, H. A., Le Gendre, and Harbison.)
Leibow, Hyman, Brooklyn, N. Y. Textile fabric. Des. 62,912; Aug. 21.
Lennox Manufacturing Company, The. (See Dunbar, David, assignor.)
Leon, Karl O., London, England. Measuring instrument for sizing and sorting discs or rollers. 1,465,555; Aug. 21.
Lewcock, William, and S. B. Tallantyre, assignors to The Gas Light and Coke Company, London, England. Manufacture of condensation products from carbazole and p-nitrosophenol and its derivatives. 1,465,853; Aug. 21.
Lilly, Thomas L., Minonk, Ill. End gate. 1,465,521; Aug. 21.
Linck, Joseph F., Milwaukee, Wis. Foot accelerator. 1,465,400; Aug. 21.
Linotype and Machinery Limited. (See French, Arthur G., assignor.)
Livingston, Warren F., New Boston, Ill. Coop. 1,465,854; Aug. 21.
Lloyd, Marshall B., Menominee, Mich., assignor, by mesne assignments, to Heywood-Wakefield Company, Boston, Mass. Reed-weaving machine. 1,465,445; Aug. 21.
Locomobile Company, The. (See Alborn, Frans G., assignor.)
Lombardi, Domenico, East Boston, Mass. Automatic gem-setting machine. 1,465,446; Aug. 21.
Lösel, Franz, Brunn, Czechoslovakia. Turbocompressor. 1,465,401; Aug. 21.
Loudenslager, William B. (See Smith, Samuel H., assignor.)
Lough, Hector V., Hartford, Conn., assignor to The Hartford Rubber Works Company. Contour caliper. 1,465,646; Aug. 21.
Lubbock, Oswald J., Alameda, Calif. Sprinkler head. 1,465,477; Aug. 21.
Luck, Albert. (See Scheller, Edward, assignor.)
Ludlam, Dorr S., Onconta, N. Y. Piston. 1,465,647; Aug. 21.
Luhr & Friedl. (See Luhr, Otto, assignor.)
Luhr, Otto, assignor to Luhr & Friedl, Chicago, Ill. Dehydrating gaseous fluids. 1,465,673; Aug. 21.
Lunday, Russell E., Vallejo, Calif. Toothpick. 1,465,522; Aug. 21.
Lundell, George A. E., Chicago, Ill., assignor to Western Electric Company, Incorporated, New York, N. Y. Telephone-exchange system. 1,465,360; Aug. 21.
Lyman, Kenneth E. (See Currey, C. F., and Lyman.)
Lyman, Ray J., Berkeley, assignor to Great Western Meter Co., San Francisco, Calif. Fluid meter. 1,465,447; Aug. 21.
Lynch, Joseph A., Leonia, assignor of one-half to M. J. Cummins, Fort Lee, N. J. Wall structure. 1,465,855; Aug. 21.

McChesney, Lillian, Honolulu, Hawaii. Doll. Des. 62,913; Aug. 21.
McCormick, Eneas, Calgary, Alberta, Canada. Foot cleaner. 1,465,736; Aug. 21.
McCoy, Elizabeth. (See McCoy, Walter J.)
McCoy, Henry A., Hamilton, and T. G. Anderson, Ancaster, Canada. Radiators. 1,465,607; Aug. 21.
McCoy, John F., New Orleans, La. Grouting composition for paving blocks. 1,465,448; Aug. 21.
McCoy, Walter J., deceased, Omaha, Nebr.; E. McCoy, administratrix. Header-brick mold. 1,465,608; Aug. 21.
McCracken, Ernest, and G. C. J. Gray, assignors of one-third to H. B. Karsting, Hastings, Nebr. Centrifugal governor. 1,465,674; Aug. 21.
McCrosky Tool Corporation. (See Norton, Samuel H., assignor.)
McCullough, Oswell, and D. E. Brown, Donora, Pa. Electric brake. 1,465,584; Aug. 21.
McGinnis, John A. (See Edwards, A. L., and McGinnis.)
McIntyre, Michael J., Eden, N. Y. Musical toy or instrument. 1,465,675; Aug. 21.
McLain, George J., Los Angeles, Calif. Concrete mold. 1,465,782; Aug. 21.
McNeill, George, Detroit, Mich., assignor to Morgan & Wright. Quick-acting and attachable valve. 1,465,648; Aug. 21.
MacArthur, William J., Los Angeles, Calif., assignor of one-half to R. E. Maynard. Device for draining water from oil tanks. Re15,678; Aug. 21.
Macbeth, Colin, and H. Willshaw, Birmingham, assignors to The Dunlop Rubber Company, Limited, Westminster, London, England. Conveyer for vulcanizing presses 1,465,609; Aug. 21.
MacLeod, Angus P. (See MacLeod, George S. and A. P.)
MacLeod, George S. and A. P., Seattle, Wash. Automobile bumper. 1,465,649; Aug. 21.

Maegly, George B., Kansas City, Mo., assignor to Stromberg Motor Devices Company, Chicago, Ill. Carburetor. 1,465,449; Aug. 21.
Magrath, Arthur C., Brooklyn, assignor to Western Electric Company, Incorporated, New York, N. Y. Operating mechanism for crossbar line switches. 1,465,361; Aug. 21.
Malleable Iron Fittings Company. (See Brandriff, Daniel, assignor.)
Malleable Iron Fittings Company. (See Pickop, George B., assignor.)
Malone, Edward T., Lackawanna, N. Y. Hand truck. 1,465,676; Aug. 21.
Mamiya, Katsusaburo, Ohito, Japan. Indicating mechanism for strong boxes and safes. 1,465,362; Aug. 21.
Mangold, Anne M. (See Mangold, Harry W. and A. M.)
Mangold, Harry W. and A. M., San Jose, Calif. Fly swatter. 1,465,523; Aug. 21.
Mapel, Lewis A., assignor to The Automatic Appliance Company, St. Louis, Mo. Indicating device. 1,465,768; Aug. 21.
Marqua, Philip, St. Louis, Mo. Shoe-shine stand. 1,465,450; Aug. 21.
Marsh, Gerald, Orrick, Mo., assignor of three-fourths to C. B. Harrison, P. G. Williams, and O. J. Brady. Paintbrush. 1,465,856; Aug. 21.
Martens, Rudolph M., Boston, Mass. Locking switch. 1,465,451; Aug. 21.
Martin-Copeland Company. (See Kirk, Lloyd H., assignor.)
Martin, Ernest J., New Rochelle, N. Y. Artist's frame. 1,465,857; Aug. 21.
Martin, James R., Renton, Wash. Cookie-carton display cover. 1,465,650; Aug. 21.
Matheny, Claude A., Cleveland Heights, and F. F. Steele, Cleveland, Ohio. Fire-proofing construction for buildings. 1,465,452; Aug. 21.
Matthes, Samuel S., assignor to The Ohio Brass Company, Mansfield, Ohio. Switch and overhead system. 1,465,308; Aug. 21.
Mawhinney Last Company. (See Howe, Oliver J., assignor.)
Mayer, Walter S. (See Hawkins, Harry L., assignor.)
Mayes, John, and R. Homrighous, Wichita, Kans. Apparatus for extracting oil from shales. 1,465,277; Aug. 21.
Maynard, Rae E. (See MacArthur, William J., assignor.)
Meagher, George A., et al. (See Hope, Frederick T., assignor.)
Measuregraph Company, The. (See Turner, Douglas, assignor.)
Mechanical Efficiency Company, et al. (See Wittum, George F., assignor.)
Mechanical Products Company. (See Stewart, Andrew B., assignor.)
Melchior, William J., Fargo, N. Dak. Lifting jack. 1,465,278; Aug. 21.
Melton, Lenna. (See Kidder, L., and Melton.)
Mercer, William H., Portland, Oreg. Bandage fastener. 1,465,717; Aug. 21.
Metts, Wallace, Burlington, Vt. Gaiter. Des. 62,914; Aug. 21.
Meyer, Otto, Toledo, Ohio. Ash sifter. 1,465,858; Aug. 21.
Michigan Chemical Company. (See Molony, S. B., and Nikaido, assignors.)
Mikalarias, Peter. (See Oppman, Joseph, assignor.)
Miley, Arlo E., Pontiac, Calif. Thread gauge. 1,465,583; Aug. 21.
Miller, Benjamin A. (See Miller, Benjamin J. and B. A.)
Miller, Benjamin J. and B. A., Benson, Ill. Adjustable pedal. 1,465,524; Aug. 21.
Mills Belt Company. (See Spalding, George W., assignor.)
Mitchell, Stephen A., New Castle, Pa. assignor to American Dressler Tunnel Kilns, Inc., New York, N. Y. Car for tunnel kilns. 1,465,737; Aug. 21.
Moberg, Carl A., assignor to Northam Brothers Co., Inc., Chicago, Ill. Scroll saw. 1,465,651; Aug. 21.
Molony, Stuart B., Wellesley Hills, Mass., and Y. Nikaido, Bay City, Mich., assignors to Michigan Chemical Company. Preparing dithiocarbamic compounds. 1,465,677; Aug. 21.
Montague, Hubert H., Traverse City, Mich. Mowing machine and cutter therefor. 1,465,279; Aug. 21.
Montgomery, Robert M., Pontiac, Mich. Seat. 1,465,859; Aug. 21.
Moore, Ford H., Kansas City, Mo. Heat-distributing hood. 1,465,652; Aug. 21.
Mora, John F. (See Stranahan, James F., assignor.)
Moran, Edward M., Berkeley, Calif. Diaphragm and making same. 1,465,610; Aug. 21.
Moran, Edward J., Chicago, Ill. Method of and apparatus for laying reenforcing plates in the manufacture of tire liners. 1,465,611; Aug. 21.
Morgan & Wright. (See Holmes, Rudolph A., assignor.)
Morgan & Wright. (See McNeill, George, assignor.)
Morgan & Wright. (See Thatcher, Sheldon P., assignor.)
Morgan Construction Company. (See George, J. R., and Carroll, assignors.)
Morgan, George, Binghamton, N. Y. Guard for butting wheels. 1,465,860; Aug. 21.
Morral, Samuel E. (See Morral, William W. and S. E.)
Morral, William W. and S. E., Morral, Ohio. Machine for cutting corn from the cob. 1,465,525; Aug. 21.
Morris, Octavius J., assignor of one-half to F. C. Barks, New Orleans, La. Ice-making apparatus. 1,465,280; Aug. 21.
Morrison, Thomas J., New York, N. Y. Key-chain reel. 1,465,281; Aug. 21.
Morse, William S., Detroit, Mich. Counterbore. 1,465,612; Aug. 21.
Mossberg, Frank, assignor to Mossberg Pressed Steel Corporation, Attleboro, Mass. Spool. 1,465,585; Aug. 21.
Mossberg, Frank, assignor to Mossberg Pressed Steel Corporation, Attleboro, Mass. Beam head. 1,465,586; Aug. 21.
Mossberg, Frank, assignor to Mossberg Pressed Steel Corporation, Attleboro, Mass. Beam head. 1,465,587; Aug. 21.
Mossberg, Frank, assignor to Mossberg Pressed Steel Corporation, Attleboro, Mass. Beam head. 1,465,588; Aug. 21.
Mossberg Pressed Steel Corporation. (See Mossberg, Frank, assignor.)
Multi Fabric Corporation. (See Brown, H. E., and Stover, assignors.)
Munk, Max M., Washington, D. C. Scale. 1,465,613; Aug. 21.
Muntz, William E., London, England. Means for regulating the flow of liquids. 1,465,556; Aug. 21.
Murray, George C., Chicago, Ill. Composite draft-gear yoke. 1,465,363; Aug. 21.
Naismith, John A. (See Gmelin, Jacob H., assignor.)
National Acme Company, The. (See Drissner, Alfred E., assignor.)
National Indicator Company. (See Klein, Frederick, assignor.)
Needle, Jacob, administrator. (See Demongeot, Marcel A.)
Neal, Harry W., assignor of one-half to Hall-Neal Furnace Company, Indianapolis, Ind. Heat accelerator for hot-air furnaces. 1,465,309; Aug. 21.
Neff, August E., assignor to Phoenix Trimming Company, Chicago, Ill. Ornamental fringe. Des. 62,945; Aug. 21.
Nelson, Henry J., Green Bay, Wis. Electro-therapeutic device. 1,465,615; Aug. 21.
Nelson, Wilbur A., Nashville, Tenn. Fixation of atmospheric nitrogen. 1,465,310; Aug. 21.
Nevin, Robert C., Dayton, Ohio. Automatic milling machine. 1,465,453; Aug. 21.
New Jersey Optical Co. (See Durgin, Edgar R., assignor.)
New Jersey Patent Company. (See Holland, Newman H., assignor.)
Newton, Charles L., deceased, Pueblo, Colo., M. E. Newton, administratrix. Wire reel or spool. 1,465,454; Aug. 21.
Newton, Mildred E., administratrix. (See Newton, Charles L.)
Nielsen, Alfred, Hovik, near Christiania, Norway. Electric heating plate. 1,465,478; Aug. 21.
Nikaido, Yasujuro. (See Molony, S. B., and Nikaido.)
Nissley, Jacob H. (See Horn, R. W. P., and Nissley.)
Nock, Harold E. (See Kinsman, W. A., and Nock.)
Nolde & Horst Co., The. (See Vogt, John H., assignor.)
North East Electric Company. (See Dorsey, Farnum F., assignor.)
Northam Brothers Co. (See Moberg, Carl A., assignor.)
Norton Company. (See Turner, Albert, assignor.)
Norton Company. (See Wickstrom, H., and Shea, assignors.)
Norton, Samuel H., assignor to McCrosky Tool Corporation, Meadville, Pa. Slotting tool. 1,465,282; Aug. 21.
Nutter, Karl J., Martinsville, Ind. Demountable wheel rim. 1,465,718; Aug. 21.
Nya Nordiska Kullager Aktiebolaget. (See Weibull, Ernst H. W. assignor.)
O'Connell, Edgar E., Washington, D. C., assignor to The Corby Baking Company. Dough-mixing machine. 1,465,917; Aug. 21.
O'Donnell, Eugene D., Glen Innes, Australia. Undercarriage and body of railway vehicles and in platforms to be used therewith wherever a break of gauge occurs. 1,465,614; Aug. 21.
Ogden, Ashley G., Baltimore, Md. Photographic-printing device. 1,465,283; Aug. 21.
Ohio Brass Company, The. (See Chandler, Homer P., assignor.)
Ohio Brass Company, The. (See Matthes, Samuel S., assignor.)
Olander, Axel E., Omaha, Nebr. Wall construction. 1,465,653; Aug. 21.
Olb, Valentine, Weehawken, N. J. Cloth-winding machine. 1,465,479; Aug. 21.
Oldham, Frank, Dallas, Tex. Insect exterminator. 1,465,557; Aug. 21.
Oppman, Joseph, assignor of one-half to P. Mikalarias, Connellsville, Pa. Paper pasting and severing machine. 1,465,862; Aug. 21.
Oppman, Joseph, assignor of one-half to P. Mikalarias, Connellsville, Pa. Pasting and cutting machine. 1,465,861; Aug. 21.
Optische Anstalt C. P. Goerz Aktiengesellschaft. (See Jacob, Heinrich, assignor.)
Orsborn, John S. (See Rumbaugh, C. M., and Orsborn.)
Orton Charles S., North Tonawanda, N. Y. Motor-vehicle control. 1,465,480; Aug. 21.

Osenkowski, Jan, Brooklyn, N. Y. Envelop. 1,465,284; Aug. 21.
Owen, Nellie S., Chicago, Ill. Hair-cutting device. 1,465,455; Aug. 21.
Owen, William W., Oak Park, assignor to Automatic Electric Company, Chicago, Ill. Measured-service telephone system. 1,465,311; Aug. 21.
Oyen, Erling, assignor to Detroit Elevated Corporation, Detroit, Mich. Railway switchover. 1,465,312; Aug. 21.
Packer, Glenn W., assignor to Goodman Manufacturing Company, Chicago, Ill. Scraper. 1,465,456; Aug. 21.
Page, John W., Chicago, Ill. Control mechanism. 1,465,678; Aug. 21.
Pagelsen, Edward N., Detroit, assignor to Roland P. Place Company, Midland, Mich. Emery-wheel dresser. 1,465,728; Aug. 21.
Pahlow, Gustav C. (See Lee, Charles F., assignor.)
Palm, Arthur W., Minneapolis, Minn. Storm-sash holder. 1,465,679; Aug. 21.
Palmen, Carl E. G., Los Angeles, Calif. Tire cover. 1,465,313; Aug. 21.
Panther Rubber Manufacturing Company. (See Bernstein, William, assignor.)
Pappas, Peter. (See Pappas, William and P.)
Pappas, William and P., Webster, Iowa. Dispensing apparatus for soda fountains. 1,465,680; Aug. 21.
Parker, George D. (See Twomley, Herbert E., assignor.)
Partridge, Hugh, Jacksonville, Fla. Sprinkler nozzle. 1,465,681; Aug. 21.
Pate, James G., Dillsboro, Ind. Air moistener. 1,465,828; Aug. 21.
Patton, John B., Plainfield, N. J. Testing instrument. 1,465,314; Aug. 21.
Paynter, William D. (See Starr, G. W., and Paynter.)
Peacock, David H. (See Segaller, D., and Peacock.)
Peck, Eugene H., Bronxville, N. Y. Lighting fixture. Des. 62,916; Aug. 21.
Pelt, Joseph, Newark, N. J. Garment. 62,917; Aug. 21.
Pelt, Joseph, Newark, N. J. Garment. 62,918; Aug. 21.
Pennell, Edwin R., assignor of one-half to A. J. Biel, Chicago, Ill. Electric lamp. Des. 62,919; Aug. 21.
People of the United States, The. (See Walton, Charles F., jr.)
Peters, Arthur E., near York, Pa. Chain-welding machine. 1,465,719; Aug. 21.
Peters, Frank M., and W. H. Hungerford, assignors to Peters Machinery Company, Chicago, Ill. Packaging apparatus. 1,465,481; Aug. 21.
Peters Machinery Company. (See Peters, F. M., and Hungerford, assignors.)
Peterson, Edwin A., Madison, Wis., assignor to V. Camarata, J. Codrick, and R. P. Danley, Philadelphia, Pa. Suction cleaner. 1,465,285; Aug. 21.
Petit, Edward L., Moline, Ill. Vulcanizing tool. 1,465,394; Aug. 21.
Petroff, Strashimir A., Trudeau, N. Y. Needle for collecting blood. 1,465,720; Aug. 21.
Pfenninger, Ernst, Odell, Ill. Adjustment for embroidering machine needles. 1,465,526; Aug. 21.
Phoenix Trimming Company. (See Neff, August E., assignor.)
Pickering, Samuel A., et al. (See Stroh, Henry N., assignor.)
Pickop, George B., New Haven, Conn., assignor to Malleable Iron Fittings Company, Branford, Conn. Fruit press. 1,465,558; Aug. 21.
Pierce, George W., Davis, assignor to California Almond Growers Exchange, San Francisco, Calif. Treating almonds. 1,465,829; Aug. 21.
Pioda, Louis B. W., San Francisco, Calif. Process of and apparatus for manufacturing cement. 1,465,863; Aug. 21.
Pitman, Henry L., Westfield, N. J., assignor to Underwood Typewriter Company, New York, N. Y. Typewriting machine. 1,465,789; Aug. 21.
Place, Roland P. (See Pagelsen, Edward N., assignor.)
Pollack, Joseph O., Chicago, Ill. Ring contractor. 1,465,682; Aug. 21.
Polzer, Fridolin, New York, N. Y., assignor to The E. H. Hotchkiss Company, Norwalk, Conn. Staple strip. 1,465,783; Aug. 21.
Pool, Morris W., New York, assignor to Remington Typewriter Company, Ilion, N. Y. Typewriting machine. 1,465,559; Aug. 21.
Popiel, Maurice A., and J. Schonholtz, New York, N. Y. Watchcase and dial. 1,465,874; Aug. 21.
Porter, Finley R., Port Jefferson, N. Y., assignor to Knight American Patents Company, Chicago, Ill. Internal-combustion engine. 1,465,560; Aug. 21.
Porter, Will R., Elmhurst, N. Y., assignor to The S. S. White Dental Manufacturing Company. Dental-engine handpiece. Re15,681; Aug. 21.
Prat, Louis, Paris, France. Induced-draft device. 1,465,683; Aug. 21.
Prendergast, Frank P., Kersey, Pa. Broom. 1,465,684; Aug. 21.
Preston, Edith B., Mexico, Mo. Attachment for motor vehicles. 1,465,864; Aug. 21.
Priebe, Herman C., Blue Island, Ill. Truck frame. 1,465,561; Aug. 21.
Prizma, Incorporated. (See Kelley, William V. D., assignor.)
Prosperity Co., The. (See Braun, Philip N., assignor.)
Pue, William A., and W. N. Sifford, assignors of one-third to W. W. Arledge, Carlsbad, N. Mex. Meat cutter. 1,465,865; Aug. 21.
Purves, John A., assignor to F. E. Friedman, Syracuse, N. Y. Attachment for milling machines. 1,465,721; Aug. 21.
Pusino, Orest, Helsingfors, Finland. Typesetting machine. 1,465,482; Aug. 21.
Quin, Joseph R., Cudahy, Wis. Collapsible tire building and finishing core. 1,465,769; Aug. 21.
Raab, Joseph, and J. Tendrich, Brooklyn, N. Y. Lining. 1,465,562; Aug. 21.
Rackham, George J., assignor to Roadless Traction, Limited, London, England. Chain for endless tracks for vehicles. 1,465,483; Aug. 21.
Radtke, Edwin J., Milwaukee, Wis. Automatic expansion valve. 1,465,654; Aug. 21.
Raicevich, Christopher V., New Orleans, La. Casement adjuster for swinging sashes or shutters. 1,465,315; Aug. 21.
Rail Joint Company, The. (See Thomson, W. P., and Fishbrow, assignors.)
Ramlett, David L., New York, N. Y., assignor to American Balsa Company, Inc. Float device. 1,465,790; Aug. 21.
Raymond, Reuben, Napa, Calif. Baseball-glove pad. 1,465,830; Aug. 21.
Redinger, Joseph M., Providence, R. I. Spring hammer. 1,465,918; Aug. 21.
Reed, Percy L., Norristown, Pa. Rail-securing device. 1,465,685; Aug. 21.
Reed, Ray H., Klamath Falls, Oreg. Stock card. 1,465,527; Aug. 21.
Rees Manufacturing Company. (See Arnold, Edwin E., assignor.)
Registrar Service Corporation. (See Howe, Junius A., assignor.)
Reliance Trailer & Truck Co. (See Konetsky, John R., assignor.)
Remington, Joseph P., Philadelphia, Pa. Positioning and feeding mechanism for confection-wrapping machines. 1,465,402; Aug. 21.
Remington Typewriter Company. (See Pool, Morris W., assignor.)
Remy Electric Company. (See Toelle, August, assignor.)
Rendlich, Daniel L., South St. Paul, Minn. Carcass-cutting device. 1,465,866; Aug. 21.
Reynolds Spring Company. (See Van Hove, Desire H., assignor.)
Rice, Ray A., Columbus, Ohio. Combination inhaler. 1,465,316; Aug. 21.
Richardson, James E., and W. B. Thurman, assignors to California Cedar Products Company, Stockton, Calif. Matting. 1,465,784; Aug. 21.
Richter, Alexander, Holyrood, Kans. Well-casing pipe. 1,465,484; Aug. 21.
Riker, Samuel M., Chester, N. J. Belt or strap buckle. 1,465,286; Aug. 21.
Riley, Jefferson, West Durham, N. C. Inner tube. 1,465,867; Aug. 21.
Roadless Traction, Limited. (See Rackham, George J., assignor.)
Robertson, H. H., Company. (See Roney, William W., assignor.)
Robinson, Thomas E., Tulsa, Okla. Casing clamp. 1,465,485; Aug. 21.
Rodabush, Walter C., Harrisburg, Pa., and F. Schlueter, New York, N. Y. Fuel preheater for internal-combustion engines. 1,465,785; Aug. 21.
Rodgers, Cowan, Knoxville, Tenn. Automobile fender. 1,465,589; Aug. 21.
Rodgers, Cowan, Knoxville, Tenn. Automobile fender. 1,465,590; Aug. 21.
Roney, William W., Sewickley, assignor to H. H. Robertson Company, Pittsburgh, Pa. Apparatus for the manufacture of protected metal sheets. 1,465,563; Aug. 21.
Rose, Arthur F. (See Crisson, G., and Rose.)
Ross, Charles J., Oakland, Calif. Doll. Des. 62,920; Aug. 21.
Ross, James A., Upper Holloway, London, England. Hydraulic jack. 1,465,365; Aug. 21.
Rosser, William, assignor to The Cleveland Dental Manufacturing Company, Cleveland, Ohio. Dental mallet. Des. 62,921; Aug. 21.
Rowley, Arthur C., assignor to Globe Automatic Sprinkler Company, Philadelphia, Pa. Temporary sprinkler closure. 1,465,831; Aug. 21.
Rufty, James L., Stony Point, N. C. Trap. 1,465,528; Aug. 21.
Rumbaugh, Charles M., and J. S. Orsborn, Des Moines, Iowa. Disappearing structure for chairs, tables, and the like. 1,465,529; Aug. 21.
Russell Mfg. Co. (See Fisher, William C., assignor.)
Russell, Mott C., Assyria, Mich. Combined dropping board and roost. 1,465,686; Aug. 21.
Rutherford, Charles H., and C. Townsend, Jerome, Ariz. Smokeless heater. 1,465,687; Aug. 21.
Rutherford, John E., Toronto, Ontario, Canada. Direction indicator for vehicles. 1,465,287; Aug. 21.
Rutledge, William T., Santa Ana, Calif. Line and circuit breaker. 1,465,791; Aug. 21.
Rutledge, William T., Santa Ana, Calif. Hose clamp. 1,465,792; Aug. 21.

Saalburg, Charles W., New York, N. Y., assignor to Animated Picture Products Co. Inc. Composite picture. 1,465,564; Aug. 21.
Sabey, John S., Pala, Hawaii. Airplane. 1,465,868; Aug. 21.
Sachs, Joseph, Hartford, Conn. Incased circuit connecting and controlling device. 1,465,688; Aug. 21.
Samland, Frank, and G. Skow, Omaha, Nebr. Spark plug. 1,465,869; Aug. 21.
Sanders, James M., Hillsboro, Ohio. Auger bit. 1,465,870; Aug. 21.
Sandiford, William, Joliet, Ill. Feed pinion. 1,465,486; Aug. 21.
Sanguinetti, Domingo, Buenos Aires, Argentina. Colored artificial asphaltum. 1,465,317; Aug. 21.
Scalda, Christy. (See Celano, Sem S., assignor.)
Schaller, Carl, assignor to Grimme, Natalis & Co., Kommandit-Gesellschaft auf Aktien, Brunswick, Germany. Calculating machine. 1,465,871; Aug. 21.
Schares, Jacob, Gilbertville, and H. J. Kauth, Washburn, Iowa. Automobile lifting device. 1,465,739; Aug. 21.
Scheller, Edward, Stolp-on-the-Pom, assignor to A. Luck, Stassfurt-Leopoldshall, Germany. Extracting resin from wood with the aid of oil of turpentine. 1,465,565; Aug. 21.
Scheuer, Alfred, Vienna, and H. Scheuer, Retz, Austria, assignors to Handel Maatschappij H. Albert De Bary & Coy, Amsterdam, Holland. Braking apparatus. 1,465,487; Aug. 21.
Scheuer, Hugo (See Scheuer, Alfred and H.)
Schilling, August, San Francisco, Calif. Detachable spout for containers. 1,465,795; Aug. 21.
Schinkez, Albert. (See Keller, W. H., and Schinkez.)
Schlueter, Fred. (See Rodabush, W. C., and Schlueter.)
Schmelz, Charles F., Bridgeport, Conn. Pipe-threading machine. 1,465,488; Aug. 21.
Schmidt, Oscar C., assignor to The Cincinnati Butchers Supply Company, Cincinnati, Ohio. Stuffing mechanism 1,465,655; Aug. 21.
Schoenthal, Fred C., Alden, N. Y. Trolley wheel. 1,465,873; Aug. 21.
Schoenunz, Alexander N., Chilton, Wis. Headlight-dimming device. 1,465,872; Aug. 21.
Schonholtz, Jacob. (See Popiel, M. A., and Schonholtz.)
Schrader's, A., Son, Inc. (See Bowden, Junius A., assignor.)
Schramke, Edward J., Saginaw, Mich. Vehicle. 1,465,318; Aug. 21.
Schramm, Theodore W., Bay City, Mich. Powder puff. 1,465,506; Aug. 21.
Schumann, Robert, Dusseldorf, Germany. Machine for cutting spectacle glasses. 1,465,366; Aug. 21.
Schwartz, Isabel, New York, N. Y. Can lining. 1,465,367; Aug. 21.
Schwarze, Bruno, Berlin-Charlottenburg, assignor to the Firm Wolf Netter and Jacobi, Berlin, Germany. Wardrobe. 1,465,288; Aug. 21.
Schweitzer, Richard H. (See Dwiggins, John W., assignor.)
Scott, James, Cleveland, Ohio. Spring trolley car and hanger. 1,465,489; Aug. 21.
Scovill Manufacturing Company. (See Hyde, Burdon P., assignor.)
Sculthorp, George R., London, England. Duplicator. 1,465,616; Aug. 21.
Seavey, Elmer S., Johnstown, Pa. Multiple-drilling machine. 1,465,591; Aug. 21.
Segaller, David, and D. H. Peacock, Huddersfield, assignors to British Dyestuffs Corporation Limited, Blackley, Manchester, England. Manufacture of oxy and sulphooxy derivatives of anthraquinone. 1,465,689; Aug. 21.
Seiz, George P., Philadelphia, Pa. Superheater attachment for furnaces. 1,465,490; Aug. 21.
Sellers, William, & Company. (See Kneass, Strickland L., assignor.)
Shackelton, William J., Scotch Plains, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y. Secret signaling system. 1,465,368; Aug. 21.
Shaff, Ernest H., assignor to William H. Keller, Inc., Grand Haven, Mich. Fluid-pressure-actuated tool. 1,465,770; Aug. 21.
Shatz, Barnett, Buenos Aires, Argentina. Pouring spout. 1,465,617; Aug. 21.
Shea, Patrick J. (See Wickstrom, H., and Shea.)
Shearer, Vance, New York, assignor to Blueblaze Motor Specialties Corp., Long Island City, N. Y. Ignition timer for internal-combustion engines. 1,465,740; Aug. 21.
Sheras, Morris, assignor to A. D. Joslin Manufacturing Company, Chicago, Ill. Dating stamp. 1,465,741; Aug. 21.
Sherwood, Matthew M., Scranton, Pa. Removable calk. 1,465,794; Aug. 21.
Shipley, Grant B. and J. B., Pittsburgh, Pa. Valve device for wood-treating cylinders. 1,465,742; Aug. 21.
Shipley, Jack B. (See Shipley, Grant B. and J. B.)
Shirley Manufacturing Co. (See Clarke, Thomas H., assignor.)
Sifford, William N. (See Pue, W. A., and Sifford.)
Simmons, Joseph, New York, N. Y. Ring. Des. 62,922; Aug. 21.
Simmons, Ralph C., Beverly, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J. Blank-sorting machine. 1,465,569; Aug. 21.
Simmons, Samuel J., Boston, Mass. Cigar cutter. 1,465,771; Aug. 21.
Simon, Richard W., Omaha, Nebr. Dandelion picker. Des. 62,929; Aug. 21.
Simpson, Bryant, Washington, D. C. Tailor's measure. 1,465,875; Aug. 21.
Sims, Mirabeau, Philadelphia, Pa. Translating material. 1,465,567; Aug. 21.
Sischo, Kittie F., Santa Monica, Calif. Doll. Des. 62,923; Aug. 21.
Skow, George. (See Samland, F., and Skow.)
Sloan, Elgan S., Shippenville, Pa. Pumping power. 1,465,319; Aug. 21.
Small, Frank E., Jamaica, N. Y. Kitchen fork. Re. 15,680; Aug. 21.
Smith, Albert W., assignor to Fisher Body Corporation, Detroit, Mich. Armrest for closed bodies. 1,465,491; Aug. 21.
Smith, Edward E., Philadelphia, Pa. Dental instrument. 1,465,690; Aug. 21.
Smith, Franklin P. (See Josler, Angelo, assignor.)
Smith, Harvey A., W. Le Gendre, and B. Harbison, Cincinnati, Ohio; said Smith assignor to said Le Gendre. Friction clutch. 1,465,492; Aug. 21.
Smith, Herbert W., Washington, D. C. Bath salts. 1,465,530; Aug. 21.
Smith, Samuel H., assignor of one-half to W. B. Loudenslager, Atlantic City, N. J. Float. 1,465,370; Aug. 21.
Smith, Sidney S., Corinna, Me. Railway tie. 1,465,289; Aug. 21.
Smith, Walter W. (See Brandenberg, J., and Smith.)
Smith, William S., and F. S. Williams, Philadelphia, Pa. Check-punching device. 1,465,531; Aug. 21.
Snedeker, James W., Adrian, Mich. Tool holder. 1,465,691; Aug. 21.
Snorf, Newton L., Chicago, Ill., assignor to Edmunds & Jones Corporation. Electric switch. 1,465,692; Aug. 21.
Snow, Arthur E., assignor to The American Laundry Machinery Company, Norwood Station, Cincinnati, Ohio. Cushioning device for pressing machines. 1,465,493; Aug. 21.
Société Anonyme Ougree-Marihaye. (See Delporte, Henri, assignor.)
Societe du Carburateur Zenith. (See Heftler, Victor R., assignor.)
Spaeth, Adam M., West Bend, Wis. Box-washing apparatus. 1,465,371; Aug. 21.
Spahr, George W., Mechanicsburg, Pa. Combination headrest and server. 1,465,876; Aug. 21.
Spahr, George W., Mechanicsburg, Pa. Adjustable headrest. 1,465,877; Aug. 21.
Spalding, George W., assignor, by mesne assignments, to Mills Belt Company, Worcester, Mass. Loom take up mechanism. 1,465,693; Aug. 21.
Spruill, Patterson T., Valentine, Tex. Rivet catcher for oil-well pumps. 1,465,320; Aug. 21.
Spung, Howard W., Marietta, Ohio. Vehicle direction indicator. 1,465,494; Aug. 21.
Stauger, Ira L., Merchantville, N. J. Electrical switching device. 1,465,878; Aug. 21.
Starr, George W., and W. D. Paynter, Grass Valley, Calif. Mining machine. 1,465,372; Aug. 21.
Stauch, Louis A., Toledo, Ohio. Gauge. 1,465,694; Aug. 21.
Steel, Marjorie, Los Angeles, Calif. Camping bed for automobiles. 1,465,925; Aug. 21.
Steele, Francis F. (See Matheny, C. A., and Steele.)
Stein, Charles, New York, N. Y. Leather hand bag. Des. 62,930; Aug. 21.
Stephens, Lawrence, Marietta, Ohio. Plug. 1,465,373; Aug. 21.
Sterler, Daniel E., Wellington, Kans. Eyeshield for automobile windshields. 1,465,374; Aug. 21.
Stevens, Enoch P., Chicago, Ill. Kiln. 1,465,744; Aug. 21.
Stevens, George H., Newark, N. J., and C. H. Eaton, East Palestine, Ohio; said Eaton assignor of eight twentieths to A. R. Knight, New York, N. Y., one-twentieth to S. R. Clark, Springfield, Mass., and one-twentieth to D. P. Swisher, Oil City, Pa. Vulcanization of rubber. 1,465,743; Aug. 21.
Stevenson, William B. (See Kieffer, E. T., and Stevenson.)
Stewart, Albert E., assignor to Acme Knitting Machine & Needle Company, Franklin, N. H. Hosiery. Des. 62,924; Aug. 21.
Stewart, Andrew B., assignor to Mechanical Products Company, Chicago, Ill. Door-operating mechanism. 1,465,695; Aug. 21.
Stewart, George W., New York, N. Y. Musical-note-indicating attachment. 1,465,879; Aug. 21.
Stickney, Burnham C., Elizabeth, N. J., assignor to Underwood Typewriter Company, New York, N. Y. Typewriting machine. 1,465,403; Aug. 21.
Stipes, Reuben B., J. D. Goodwin and H. C. Welch, Flint, Mich. Wheel-holding device. Re15,679; Aug. 21.
Stone, William H., Kansas City, Mo. Combination nut lock and piston-rod lubricator. 1,465,495; Aug. 21.
Stovall, James R., Louisville, Ky. Dump-car structure. 1,465,375; Aug. 21.
Stover, Jordan H. (See Brown, H. E., and Stover.)
Strain, Robert L., Clifton, Colo. Spraying device. 1,465,377; Aug. 21.

Stranahan, James F., assignor of one-half to J. F. Mora, Pittsburg, Calif. Resilient tire rim. 1,465,376; Aug. 21.
Stroh, Henry N., assignor of one-half to J. D. Callery and one-half to S. A. Pickering, Pittsburgh, Pa. Phonograph. 1,465,880; Aug. 21.
Stromberg Motor Devices Company. (See Maegly, George B., assignor.)
Strong, Arthur P., Chicago, Ill., assignor to Green Engineering Company, East Chicago, Ind. Ash tank. 1,465,745; Aug. 21.
Strong, Philip, Oatman, Ariz. Trap. 1,465,378; Aug. 21.
Sundhanssen, Hermann, assignor to Fried. Krupp Aktiengesellschaft, Essen-on-the-Ruhr, Germany. Suppression of gyroscopic precession. 1,465,532; Aug. 21.
Superior Boiler Works. (See Walsh, Edward F., assignor.)
Supplee, Samuel G., East Orange, N. J. Denture-attaching device. 1,465,379; Aug. 21.
Suren, Nathan H., Needham, assignor to The Gamewell Fire Alarm Telegraph Company, Newton Upper Falls, Mass. Fire-alarm systems. 1,465,496; Aug. 21.
Sullivan Machinery Company. (See Holdsworth, Fred D., assignor.)
Swan, John B., assignor of one-half to L. Csemiczky, Denver, Colo. Hand cultivator. 1,465,656; Aug. 21.
Swedenburg, John P., Akron, Ohio. Garment stretcher. 1,465,696; Aug. 21.
Swisher, D. P., et al. (See Stevens, G. H., and Eaton, assignors.)
Tajima, Ichigo, Tokyo, Japan. Sash frame. 1,465,380; Aug. 21.
Tallantyre, Snow B. (See Lewcock, W., and Tallantyre.)
Tandy, John L., Kansas City, Mo. Cooling device. 1,465,497; Aug. 21.
Taylor, Albert H., Easton, Pa., assignor to Ingersoll-Rand Company, Jersey City, N. J. Reducing valve for rock drills. 1,465,568; Aug. 21.
Tendrich, Jacob. (See Raab, J., and Tendrich.)
Ternstedt Manufacturing Company. (See Andersen, Andrew C., assignor.)
Thacher, Sheldon P., Freehold, N. J., assignor to Morgan & Wright. Stone guard for dual pneumatic tires. 1,465,697; Aug. 21.
Thiele, Adolph A., Omaha, Nebr., assignor to American Smelting and Refining Company, New York, N. Y. Power-driven lead truck. 1,465,457; Aug. 21.
Thoens, Burchard, New York, N. Y. Rotary pump. 1,465,881; Aug. 21.
Thomas, Harry L., Philadelphia, Pa. Combination screen and ventilator. 1,465,722; Aug. 21.
Thomas, Orin M., Oakland, Calif. Spat or overgaiter. Des. 62,925; Aug. 21.
Thomson, Harry L., Hartford, Conn. Method of and apparatus for registering the time when record entries are made. 1,465,498; Aug. 21.
Thomson, Henry C., West Roxbury, Mass. Guide card for card indexes. 1,465,499; Aug. 21.
Thomson, William P., Forest Hills, and C. A. Disbrow, New Rochelle, N. Y., assignors to The Rail Joint Company, New York, N. Y. Track liner. 1,465,795; Aug. 21.
Thornton, Edgar R. (See Clouser, H. E., and Thornton.)
Thun, Hermann, assignor to Fried. Krupp Aktiengesellschaft, Essen-on-the-Ruhr, Germany. Surface-measuring machine particularly intended for the measurement of leather. 1,465,533; Aug. 21.
Thurman, William B. (See Richardson, J. E., and Thurman.)
Tingle, Alfred, Ottawa, Ontario, Canada. Pulp article. 1,465,882; Aug. 21.
Tinkler, Horace S. G., Peterborough, England. Case. 1,465,883; Aug. 21.
Toelle, August, assignor to Remy Electric Company, Anderson, Ind. Ignition coil. 1,465,618; Aug. 21.
Tolman, Edgar B., jr., Chicago, Ill. Ash-conveyer system. 1,465,698; Aug. 21.
Toomey, John F. (See Espenschied, L., and Toomey.)
Toppins, Alexander F., West Allis, Wis. Replacement shaft and rear-axle support for tractors. 1,465,458; Aug. 21.
Towle Manufacturing Company. (See Kinsman, W. A. and Nock, assignors.)
Townsend, Chauncey. (See Rutherford, C. H., and Townsend.)
Trimble, Russell F., Elizabeth, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y. Electrode and its construction. 1,465,381; Aug. 21.
Troy Laundry Machinery Co. (See Hager, William R., assignor.)
Turkovich, George, West Allis, Wis. Combination instrument. 1,465,746; Aug. 21.
Turner, Albert, assignor to Norton Company, Worcester, Mass. Steady-rest shoe. 1,465,534; Aug. 21.
Turner, Douglas, assignor to The Measuregraph Company, St. Louis, Mo. Continuous fabric-measuring machine. 1,465,321; Aug. 21.
Turner, Douglas, assignor to The Measuregraph Company, St. Louis, Mo. Fabric-measuring machine. 1,465,322; Aug. 21.
Twomley, Herbert E., assignor to G. D. Parker, Riverside, Calif. Variable-speed-transmitting mechanism. 1,465,796; Aug. 21.
Underwood Typewriter Company. (See Johnson, Arthur A., assignor.)
Underwood Typewriter Company. (See Pitman, Henry L., assignor.)
Underwood Typewriter Company. (See Stickney, Burnham C., assignor.)
United Shoe Machinery Corporation. (See Bertrand, Frederic E., assignor.)
United Shoe Machinery Corporation. (See Brennan, William J., assignor.)
United Shoe Machinery Corporation. (See Glass, Perley R., assignor.)
United Shoe Machinery Corporation. (See Simmons, Ralph C., assignor.)
United States Cast Iron Pipe & Foundry Company. (See Ladd, James B., assignor.)
United States Radium Corporation. (See Dey, William H., assignor.)
Vacatos, Perry, Akron, Ohio. Refrigerator. 1,465,657; Aug. 21.
Valentine, Joseph E., Flushing, N. Y., assignor to Valmont Manufacturing Co., Inc. Powder puff. 1,465,535; Aug. 31.
Valliquet, Louis P., Chicago, Ill. Motor drive for talking machine. 1,465,772; Aug. 21.
Valmont Manufacturing Co. (See Valentine, Joseph E., assignor.)
Vance, Arlyn T., assignor of one-half to F. J. Abbott, Los Angeles, Calif. Automatic stabilizer for aircraft and the like. 1,465,500; Aug. 21.
Vandervoort, Lois J., Guthrie, Okla. Separator. 1,465,884; Aug. 21.
Van Dorn, William E., Chicago, Ill. Metal car end. 1,465,501; Aug. 21.
Van Hove, Desire H., assignor to Reynolds Spring Company, Jackson, Mich. Upholstered spring structure. 1,465,323; Aug. 21.
Vannest, George D., Ponca City, Okla. Power-transmission device. 1,465,382; Aug. 21.
Verdy, Louis, Bicknell, Ind. Lock. 1,465,290; Aug. 21.
Verona Tool Works. (See Burgess, Newton A., assignor.)
Vliet, Frank H. (See Leager, S. F., and Vliet.)
Vobach, Herman E., Madison, Wis. Spring wheel. 1,465,747; Aug. 21.
Vogt, John H., assignor to The Nolde & Horst Co., Reading, Pa. Cop cover. 1,465,536; Aug. 21.
Vogt, Otto F., Washington, D. C. Educational appliance. 1,465,699; Aug. 21.
Wagstaff, Richard A. (See Call, B. G., and Wagstaff.)
Walker, Charles J., Gary, Ind. Adjustable high chair. 1,465,291; Aug. 21.
Walsh, Edward F., assignor to Superior Boiler Works, Marion, Ind. Hydraulic hoist for motor vehicles. 1,465,658; Aug. 21.
Walsh, Frank J., and R. L. Watts, Tacoma, Wash. Composite lumber. 1,465,383; Aug. 21.
Walton, Charles F., jr., Washington, D. C., dedicated, by mesne assignments, to the People of the United States. Preparing sirup. 1,465,459; Aug. 21.
Ward, John E., Nashua, N. H. Locker for milk bottles. 1,465,537; Aug. 21.
Watts, Robert L. (See Walsh, F. J., and Watts.)
Weaver, Harry W., Allentown, Pa. Air-feeding attachment for furnaces. 1,465,502; Aug. 21.
Webel, Carl W., Oakland, Kans. Light reflector. Des. 62,926; Aug. 21.
"Wege" Motor Limited, The. (See Wegé, William J. F., assignor.)
Wegé, William J. F., St. Peters, assignor to The "Wege" Motor Limited, Adelaide, South Australia, Australia. Two-stroke internal-combustion engine. 1,465,885; Aug. 21.
Weibull, Ernst H. W., assignor, by mesne assignments, to Nya Nordiska Kullager Aktiebolaget, Gottenborg, Sweden. Manufacturing ball or roller cages for antifriction thrust bearings. 1,465,700; Aug. 21.
Weidlich Bros. Mfg. Co., The. (See Flauder, Alfred J., assignor.)
Weltzman, Louis, Milwaukee, Wis. Automobile lock. 1,465,926; Aug. 21.
Welch, Charles K., Wheeling, W. Va. Holder for razor blades. 1,465,774; Aug. 21.
Welch, Howard C. (See Stipes, R. B., Goodwin, and Welch.)
Weld, Chester H., Glencoe, Ill., assignor of one-third to R. B. Weld, Bowdon, N. Dak. Attachment for nursing nipples. 1,465,748; Aug. 21.
Weld, Roy B. (See Weld, Chester H., assignor.)
Wescoat, Lewis C., Elmhurst, assignor to Western Electric Company, Incorporated, New York, N. Y. Interlocking switch. 1,465,384; Aug. 21.
Wessig, August, Chicago, Ill. Window-cleaning apparatus. 1,465,292; Aug. 21.
West, John B., Syracuse, N. Y. Automatic auxiliary air valve for internal-combustion engines. 1,465,723; Aug. 21.
Westerman, Frederick, Chicago, Ill. Depositing machine. 1,465,749; Aug. 21.
Western Electric Company. (See Arnold, Harold D., assignor.)
Western Electric Company (See Curtis, Austen M., assignor.)
Western Electric Company. (See Dobson, George G., assignor.)

Western Electric Company. (See Goodrum, Charles L., assignor.)
Western Electric Company, Incorporated. (See Heising, Raymond A., assignor.)
Western Electric Company. (See Housekeeper, William G., assignor.)
Western Electric Company. (See Jammer, Jacob S., assignor.)
Western Electric Company (See Lundell, George A. E., assignor.)
Western Electric Company. (See Magrath, Arthur C., assignor.)
Western Electric Company. (See Shackelton, William J., assignor.)
Western Electric Company. (See Trimble, Russell F., assignor.)
Western Electric Company. (See Wescoat, Lewis C., assignor.)
Western Precipitation Company. (See Anderson, Evald, assignor.)
Western Precipitation Company. (See Cheesman, R. D., and Haff, assignors.)
Western Precipitation Company (See Huber, Frederick W., assignor.)
Westinghouse Air Brake Company, The. (See Farmer, Clyde C., assignor.)
Whalen, Maurice D. (See Cunningham, J. L., and Whalen.)
Whartenby, Claude C., Upper Sandusky, Ohio. Burial-vault handle. 1,465,701; Aug. 21.
Wheeler, Fannie G., Bloomington, Ill. Clothes hanger. 1,465,659; Aug. 21.
Wheeling Stamping Company. (See Edwards, A. L., and McGinnis, assignors.)
Wheildon, William M., Ashland, assignor to E. H. Angier, Framingham, Mass. Securing the ends of rolls. 1,465,786; Aug. 21.
White, Joseph, deceased, Piscataway Township; M. E. White, administratrix, assignor to Hall Printing Press Company, Dunellen, N. J. Sheet-delivery mechanism. 1,465,385; Aug. 21.
White, Joseph, deceased, Middlesex; M. E. White, administratrix, assignor to Hall Printing Press Company, Dunellen, N. J. Sheet-smoothing device. 1,465,386; Aug. 21.
White, Minnie E., administratrix. (See White, Joseph.)
White, Oliver C., Gardena, Calif. Poultry drinking fountain. 1,465,503; Aug. 21.
White, S. S., Dental Manufacturing Company, The. (See Porter, Will R., assignor.)
Wickstrom, Hans, and P. J. Shea, assignors to Norton Company, Worcester, Mass. Grinding machine for forming rolls. 1,465,508; Aug. 21.
Wiederwax, Robert W., assignor to Geist Manufacturing Company, Atlantic City, N. J. Preheater. 1,465,797; Aug. 21.
Wiegand, William B., Montreal, Canada. Rubber footwear. 1,465,504; Aug. 21.
Wiener, Milton M. (See Benson, M. P., and Wiener.)
Wilcox, Allen C., Bridgeport, Ohio. Gathering and delivering apparatus for molten glass. 1,465,886; Aug. 21.
Wile, Solomon, Rochester, N. Y. Slicing machine. 1,465,702; Aug. 21.
Wile, Solomon, Rochester, N. Y. Slicing machine. 1,465,703; Aug. 21.
Wilke, Richard H., Wisconsin Rapids, Wis. Tie plate. 1,465,324; Aug. 21.
Williams, Frederic S. (See Smith, W. S., and Williams.)
Williams, Paul G., et al. (See Marsh, Gerald, assignor.)
Willshaw, Harry. (See Macbeth, C., and Willshaw.)
Winkler, Alfred, and M. Dünnebier, Neuwied, Germany. Drawing-in device for adhesive-applying machines for use in the manufacture of envelopes. 1,465,887; Aug. 21.
Wittum, George F., Vallejo, Calif., assignor, by mesne assignments, of one-half to Mechanical Efficiency Company and one-half to The Auto Mall Distributor, Inc., Syracuse, N. Y. Mail-assorting machine. 1,465,773; Aug. 21.
Wolf Netter and Jacobi. (See Schwarze, Bruno, assignor.)
Wolfe, John G., Chicago, Ill. Automobile tire. Des. 62,931; Aug. 21.
Wood, Clarence G., Muncie, Ind. Clutch-clamping lever. 1,465,704; Aug. 21.
Woolstencroft, Alexander S., Fulda, Minn. Flour sifter. 1,465,325; Aug. 21.
Wozny, Adam, Detroit, Mich. Safety envelope. 1,465,888; Aug. 21.
Wright, Edward E., Detroit, Mich. Cable equalizer. 1,465,705; Aug. 21.
Wright, Robert, Cleveland, Ohio. Divided casing with detachable treads. 1,465,889; Aug. 21.
Wright, Robert E., Lincoln, Nebr. Attachment for cylinder printing presses. 1,465,750; Aug. 21.
Wright, Robert L., Salem, Ohio. Knife. 1,465,751; Aug. 21.
Wyatt, Frank A. (See Barrett, John F. and J. E., and Wyatt.)

Yates, Robert, Passaic, N. J. Manufacture of gasoline. 1,465,752; Aug. 21.
Yount, Frank H. (See Yount, Thomas J., assignor.)
Yount, Thomas J., assignor to F. H. Yount, Indianapolis, Ind. Steak and chop cutter. 1,465,923; Aug. 21.

Zimmer, Paul, Wurzburg, Germany. Machine for the manufacturing of sweetmeats. 1,465,326; Aug. 21.
Zoergiebel, Louis, assignor to The Cleveland Electric Machine and Manufacturing Company, Cleveland, Ohio. Driving mechanism for combined coffee grinders and meat choppers. 1,465,505; Aug. 21.

ALPHABETICAL LIST OF INVENTIONS

FOR WHICH

PATENTS WERE ISSUED ON THE 21ST DAY OF AUGUST, 1923.

NOTE.—Arranged in accordance with the first significant character or word of the name (in accordance with city and telephone directory practice). **Includes patents, reissues, and designs.**

Accelerator, Foot. J. F. Linck. 1,465,400; Aug. 21.
Adapter. G. W. Goodridge. 1,465,816; Aug. 21.
Advertising apparatus. A. Angel. 1,465,753; Aug. 21.
Advertising machine. One-story moving-display. R. E. Hinchey. 1,465,304; Aug. 21.
Aerial vessels, Parachute for. L. E. Atkinson. 1,465,835; Aug. 21.
Aircraft and the like, Automatic stabilizer for. A. T. Vance. 1,465,500; Aug. 21.
Airplane. J. S. Subey. 1,465,868; Aug. 21.
Alarm: *See*—
Tire alarm.
Almonds, Treating. G. W. Pierce. 1,465,829; Aug. 21.
Amplifier, Vacuum-tube. H. D. Arnold. 1,465,332; Aug. 21.
Armor, Bulletproof. L. Krause. 1,465,767; Aug. 21.
Armrest for closed bodies. A. W. Smith. 1,465,491; Aug. 21.
Artist's frame. E. J. Martin. 1,465,857; Aug. 21.
Ash-conveyor system. E. B. Tolman, jr. 1,465,698; Aug. 21.
Ash tank. A. P. Strong. 1,465,745; Aug. 21.
Asphaltum, Colored artificial. D. Sanguinetti. 1,465,317; Aug. 21.
Auger bit. J. M. Sanders. 1,465,870; Aug. 21.
Automobile bumper. V. A. Davison. 1,465,780; Aug. 21.
Automobile bumper. G. S. and A. P. Macleod. 1,465,649; Aug. 21.
Automobile door latches, Operating means for. F. Kleinsmith. 1,465,399; Aug. 21.
Automobile fender. C. Rodgers. 1,465,589–90; Aug. 21.
Automobile lifting device. J. Schares and H. J. Kauth. 1,465,739; Aug. 21.
Automobile lock. L. Weitzman. 1,465,926; Aug. 21.
Automobile screen attachment. C. R. Henderson. 1,465,821; Aug. 21.
Automobile signal. T. Groves. 1,465,301; Aug. 21.
Automobile wheel. S. Kaplan. 1,465,714–15; Aug. 21.
Automobile windshields, Eyeshield for. D. E. Stetler. 1,465,374; Aug. 21.
Automobiles, Tool-driving attachment for. E. M. Goldner. 1,465,815; Aug. 21.
Axle, spring, and steering-knuckle assembly. J. R. Konetsky. 1,465,605; Aug. 21.
Bag, Leather hand. C. Stein. Des. 62,930; Aug. 21.
Bandage fastener. W. H. Mercer. 1,465,717; Aug. 21.
Barrel fastening. J. H. George. 1,465,430; Aug. 21.
Baseball glove pad. R. Raymond. 1,465,830; Aug. 21.
Bath salts. H. W. Smith. 1,465,530; Aug. 21.
Bathing cap. L. and M. Auster. 1,465,706; Aug. 21.
Battery mounting and housing. F. G. Alborn. 1,465,660; Aug. 21.
Beam head. F. Mossberg. 1,465,586–8; Aug. 21.
Bearing, Multiple-roller. A. H. Jones. 1,465,788; Aug. 21.
Bearings, Manufacturing ball or roller cages for antifriction thrust. E. H. W. Weibull. 1,465,700; Aug. 21.
Bed for automobiles, Camping. M. Steel. 1,465,925; Aug. 21.
Beef-carcass-splitting machine. J. S. Hunter. 1,465,604; Aug. 21.
Beet topper. M. B. Andrus. 1,465,798; Aug. 21.
Bending machine. J. H. Holmgreen. 1,465,733; Aug. 21.
Bit: *See*—
Auger bit.
Drill bit.
Blank-sorting machine. R. C. Simmons. 1,465,369; Aug. 21.
Block: *See*—
Chock block.
Board and roost, Combined dropping. M. C. Russell. 1,465,686; Aug. 21.
Boats, Apparatus for lowering and raising ships'. H. W. Broady. 1,465,787; Aug. 21.
Boiler cleaner. F. Bowers. 1,465,387; Aug. 21.
Bottle, Dropper. T. A. DeVilbiss. Des. 62,889; Aug. 21.
Bottles, Locker for milk. J. E. Ward. 1,465,537; Aug. 21.
Box: *See*—
Miter box.
Paper box.
Box material, Automatic machine for shaping and fastening iron bands to. S. J. Gunn. 1,465,817; Aug. 21.
Box-washing apparatus. A. M. Spaeth. 1,465,371; Aug. 21.
Boxes and safes, Indicating mechanism for strong. K. Mamiya. 1,465,362; Aug. 21.
Braid and the like, Featherstitch. A. A. Hodgkins. Des. 62,907; Aug. 21.
Braid or similar article, Featherstitch. A. A. Hodgkins. Des. 62,906; Aug. 21.
Braid or the like, Tip for. C. P. Berolzheimer. 1,465,754; Aug. 21.
Braiding machine. F. Klein. 1,465,554; Aug. 21.
Brake: *See*—
Electric brake.
Fluid-pressure brake.
Outside brake.
Wagon brake.
Brake. S. H. Clapp. 1,465,509; Aug. 21.
Brakeband facing, Unwoven. W. C. Fisher. 1,465,389; Aug. 21.
Braiding apparatus. A. and H. Scheuer. 1,465,487; Aug. 21.
Brick. A. Castellani. Des. 62,880–4; Aug. 21.
Brick mold, Header-. W. J. McCoy. 1,465,608; Aug. 21.
Broom. F. P. Prendergast. 1,465,684; Aug. 21.
Brush and making the same. F. S. Chanonhouse. 1,465,893; Aug. 21.
Brush holder. W. E. Keene. 1,465,642; Aug. 21.
Brush manufacture. M. P. Benson and M. M. Wiener. 1,465,919; Aug. 21.
Buckle, Belt or strap. S. M. Riker. 1,465,286; Aug. 21.
Buffing wheels, Guard for. G. Morgan. 1,465,860; Aug. 21.
Burner: *See*—
Fuel burner.
Gas burner.
Cable equalizer. E. E. Wright. 1,465,705; Aug. 21.
Caisson. W. Griesser. 1,465,664; Aug. 21.
Calculating machine. C. Schaller. 1,465,871; Aug. 21.
Caliper, Contour. H. V. Lough. 1,465,646; Aug. 21.
Caliper gauge. M. Bartholdy. 1,465,295; Aug. 21.
Calk, Removable. M. M. Sherwood. 1,465,794; Aug. 21.
Can: *See*—
Freezing can.
Can. A. Davis, jr., and A. L. Betts. Des. 62,888; Aug. 21.
Can lining. I. Schwartz. 1,465,367; Aug. 21.
Can-washing machine. H. D. Lathrop. 1,465,734; Aug. 21.
Cap-feeding mechanism. A. L. Edwards and J. A. McGinnis. 1,465,897; Aug. 21.
Capsule-filling machine. O. L. Hendricks. 1,465,518; Aug. 21.
Car body and collapsible top therefor, Motor-. J. Botella. 1,465,594; Aug. 21.
Car-brake mechanism, Holding device for. H. E. Anderson. 1,465,328; Aug. 21.
Car dump, Rotary. E. L. Bailey. 1,465,661; Aug. 21.
Car end, Metal. W. E. Van Dorn. 1,465,501; Aug. 21.
Car, Load-discharging. A. Campbell. 1,465,756; Aug. 21.
Car structure, Dump-. J. R. Stovall. 1,465,375; Aug. 21.
Carbazole and p-nitrosophenol and its derivatives, Manufacture of condensation products from. W. Lewcock and S. B. Tallantyre. 1,465,853; Aug. 21.
Carbureting air, Apparatus for. A. S. Beavon. 1,465,890; Aug. 21.
Carburetor. B. Bannister. 1,465,574; Aug. 21.
Carburetor. G. B. Maegly. 1,465,449; Aug. 21.
Carcass-cutting device. D. I. Rendlich. 1,465,866; Aug. 21.
Card feeders, Clutch brake for. J. B. Howe. 1,465,670; Aug. 21.
Card. Stock. R. H. Reed. 1,465,527; Aug. 21.
Carrier: *See*—
Fish and bait carrier.
Luggage carrier.
Carton display cover, Cooky. J. R. Martin. 1,465,650; Aug. 21.
Case. H. S. G. Tinkler. 1,465,883; Aug. 21.
Casing clamp. T. E. Robinson. 1,465,485; Aug. 21.
Casing with detachable treads, Divided. R. Wright. 1,465,889; Aug. 21.
Casserole holder. J. M. Dillmeier. 1,465,464; Aug. 21.
Cement and by-products, Making. E. Anderson. 1,465,833; Aug. 21.
Cement, and by-products, Producing. F. W. Huber 1,465,907; Aug. 21.
Cement, Process of and apparatus for manufacturing. L. E. W. Ploda. 1,465,863; Aug. 21.
Chain reel, Key-. T. J. Morrison. 1,465,281; Aug. 21.
Chair: *See*—
High chair.
Chairs, tables, and the like, Disappearing structure for. C. M. Rumbaugh and J. S. Orsborn. 1,465,529; Aug. 21.
Change maker, Universal. H. J. Baur. 1,465,409; Aug. 21.
Charm. R. P. Byers. Des. 62,879; Aug. 21.
Check protector. E. H. Dryer. 1,465,388; Aug. 21.

Check-punching device. W. S. Smith and F. S. Williams. 1,465,531; Aug. 21.
Chest: *See*—
Display chest.
Chlorhydrin, Manufacture of. B. T. Brooks. 1,465,595; Aug. 21.
Chlorhydrins, Process and apparatus for manufacture of. B. E. Eldred and B. T. Brooks. 1,465,601; Aug. 21.
Chock block. G. H. Lane. 1,465,852; Aug. 21.
Chuck, Power-operated. H. M. Hay. 1,465,820; Aug. 21.
Chucking mechanism. Drawback. A. E. Drissner. 1,465,257; Aug. 21.
Chucking mechanism, Push. A. E. Drissner. 1,465,256; Aug. 21.
Churn. C. R. Brown and H. H. Hinds. Re15,677; Aug. 21.
Cigar-assorting device. C. F. Bremer. 1,465,462; Aug. 21.
Cigar cutter. S. J. Simmons. 1,465,771; Aug. 21.
Circuit closer. J. J. Duffie. 1,465,465; Aug. 21.
Circuit connecting and controlling device, Incased. J. Sachs. 1,465,688; Aug. 21.
Circuit repeater for use between four-wire and two-wire circuits, Cord-. G. Crisson and A. F. Rose. 1,465,298; Aug. 21.
Clam opener. E. J. Aszklar. 1,465,799; Aug. 21.
Clamp: *See*—
Casing clamp.
Hose clamp.
Level clamp.
Plumber's clamp.
Clamp. E. H. Arbuthnot. 1,465,329; Aug. 21.
Cleaner: *See*—
Boiler cleaner.
Foot cleaner.
Suction cleaner.
Cleaning catch basins, Machine for. R. J. Kelly. 1,465,641; Aug. 21.
Cloth-winding machine. V. Olb. 1,465,479; Aug. 21.
Clothes-handling mechanism. W. R. Hager. 1,465,433; Aug. 21.
Clothes hanger. F. G. Wheeler. 1,465,659; Aug. 21.
Clutch control, Pneumatic. W. A. Gordon. 1,465,431; Aug. 21.
Clutch, Friction. H. A. Smith, W. Le Gendre, and B. Harbison. 1,465,492; Aug. 21.
Coffee grinder and meat choppers, Driving mechanism for combined. L. Zoergiebel. 1,465,505; Aug. 21.
Comb. R. B. Howard. 1,465,519; Aug. 21.
Communication system. R. A. Heising. 1,465,732; Aug. 21.
Concrete beam, Reenforced. R. C. Keogan. 1,465,307; Aug. 21.
Concrete construction, Tie for reenforced. H. E. Clonser and E. R. Thornton. 1,465,421; Aug. 21.
Concrete mold. G. J. McLain. 1,465,782; Aug. 21.
Condenser, Electric. F. G. Goldstone. 1,465,264; Aug. 21.
Conductor support. H. P. Chandler. 1,465,344; Aug. 21.
Confection-wrapping machines, Positioning and feeding mechanism for. J. P. Remington. 1,465,402; Aug. 21.
Control mechanism. J. W. Page. 1,465,678; Aug. 21.
Controlling mechanism. F. D. Holdsworth. 1,465,437; Aug. 21.
Conveying, Method of and system for. R. W. P. Horn and J. H. Nissley. 1,465,269; Aug. 21.
Cooking vessels, Attachment for. G. L. Carpenter. 1,465,508; Aug. 21.
Cooling device. J. L. Tandy. 1,465,407; Aug. 21.
Coop. W. F. Livingston. 1,465,854; Aug. 21.
Cop cover. J. H. Vogt. 1,465,536; Aug. 21.
Cord control. G. L. and M. R. Banks. 1,465,334; Aug. 21.
Cordwood, Cradling boom for. L. Larsen. 1,465,716; Aug. 21.
Corn from the cob, Machine for cutting. W. W. and S. E. Morral. 1,465,525; Aug. 21.
Counterbore. W. S. Morse. 1,465,612; Aug. 21.
Coupling: *See*—
Draft coupling.
Coupling device. A. C. Bubb. 1,465,804; Aug. 21.
Crib. C. H. Boardman. 1,465,413–14; Aug. 21.
Crowns and forms therefor, Making. T. C. Hansen. 1,465,472; Aug. 21.
Cultivator. L. Doré. 1,465,811; Aug. 21.
Cultivator, Hand. J. B. Swan. 1,465,656; Aug. 21.
Current tap, Pull-socket. J. W. Lavine. 1,465,735; Aug. 21.
Curtain-window installation. A. S. Campbell. 1,465,728; Aug. 21.
Cut or die, Printer's. R. O. Benson. Des. 62,875; Aug. 21.
Cutter: *See*—
Cigar cutter.
Meat cutter.
Steak and chop cutter.
Damper regulator. F. E. Collins. 1,465,624; Aug. 21.
Dandelion picker. R. W. Simon. Des. 62,929; Aug. 21.
Deflector, Wind. B. C. Crowley. 1,465,894; Aug. 21.
Dental apparatus. H. Friedman. 1,465,259; Aug. 21.
Dental engine hand piece. W. R. Porter. Re15,681; Aug. 21.
Dental floss and other thread, Holder for. H. C. Hochstadter. 1,465,669; Aug. 21.
Dental instrument. E. R. Smith. 1,465,690; Aug. 21.
Dental mallet. W. Rosser. Des. 62,921; Aug. 21.
Denture-attaching device. S. G. Supplee. 1,465,379; Aug. 21.
Depositing machine. F. Westerman. 1,465,749; Aug. 21.
Diaphragm and making same. E. M. Moran. 1,465,610; Aug. 21.
Direction and stop signal. W. D. Collins and G. W. H. Allen. 1,465,596; Aug. 21.
Disks or rollers, Measuring instrument for sizing and sorting. K. O. Leon. 1,465,555; Aug. 21.
Dispenser. L. E. Gould. 1,465,902; Aug. 21.
Dispensing device. S. S. Celano. 1,465,840; Aug. 21.
Display chest. W. A. Kinsman and H. E. Nock. 1,465,850; Aug. 21.
Display rack. G. F. Breuninger. 1,465,891; Aug. 21.
Dithiocarbamic compounds, Preparing. S. B. Molony and Y. Nikaido. 1,465,677; Aug. 21.
Doll. L. McChesney. Des. 62,913; Aug. 21.
Doll. C. J. Ross. Des. 62,920; Aug. 21.
Doll. K. F. Sischo. Des. 62,923; Aug. 21.
Door-operating mechanism. A. B. Stewart. 1,465,695; Aug. 21.
Door, Retort. L. P. Holloway. 1,465,906; Aug. 21.
Dough-mixing machine. E. E. O'Connell. 1,465,917; Aug. 21.
Draft-controlling device. F. T. Hope. 1,465,475; Aug. 21.
Draft coupling. J. Jung. 1,465,849; Aug. 21.
Draft device, Induced-. L. Prat. 1,465,683; Aug. 21.
Drill bit. S. F. Basharan. 1,465,107; Aug. 21.
Drill-holding magazine. W. Allward. 1,465,506; Aug. 21.
Drilling machine, Multiple-. E. S. Seavey. 1,465,591; Aug. 21.
Drink mixer. R. B. Gilchrist. 1,465,629–35; Aug. 21.
Duplicator. G. R. Sculthorp. 1,465,616; Aug. 21.
Dynamite punch. R. M. Fuzzard. 1,465,300; Aug. 21.
Educational appliance. O. F. Vogt. 1,465,699; Aug. 21.
Electric brake. O. McCullough and D. E. Brown. 1,465,584; Aug. 21.
Electric-conductor support. H. L. Hawkins. 1,465,731; Aug. 21.
Electric heater, Combination. E. G. Eberhardt. 1,465,355; Aug. 21.
Electric machine. A. B. and H. A. Broluska. 1,465,251; Aug. 21.
Electric motors, Brush-holding means for. P. I. Chandeysson. 1,465,709; Aug. 21.
Electric resistance element. F. L. Driver, jr. 1,465,547; Aug. 21.
Electric switch. G. H. Chapman. 1,465,419; Aug. 21.
Electric switch. N. L. Snorf. 1,465,692; Aug. 21.
Electric treatment, Apparatus for preparing oil for. G. C. Kelley. 1,465,398; Aug. 21.
Electrical connecting device. R. B. Benjamin. 1,465,410; Aug. 21.
Electrical switch. C. L. Hopkins. 1,465,306; Aug. 21.
Electrical switching device. I. L. Stanger. 1,465,878; Aug. 21.
Electrical testing system. G. G. Dobson. 1,465,352; Aug. 21.
Electrode and its construction. R. F. Trimble. 1,465,381; Aug. 21.
Electrotherapeutic device. H. J. Nelson. 1,465,615; Aug. 21.
Embroidery trimming. A. A. Hodgkins. Des. 62,908; Aug. 21.
Emery-wheel dresser. E. M. Pagelsen. 1,465,738; Aug. 21.
End gate. T. L. Lilly. 1,465,521; Aug. 21.
Engine: *See*—
Internal-combustion engine.
Engines, Fuel preheater for internal-combustion. W. C. Rodabush and F. Schlueter. 1,465,785; Aug. 21.
Engines, Fuel pump for internal-combustion. K. J. E. Hesselman. 1,465,474; Aug. 21.
Engines, Ignition timer for internal-combustion. V. Shearer. 1,465,740; Aug. 21.
Envelope. J. Osenkowski. 1,465,284; Aug. 21.
Envelope, Safety. A. Wozny. 1,465,888; Aug. 21.
Envelopes, Drawing-in device for adhesive-applying machines for use in the manufacture of. A. Winkler and M. Dünnebier. 1,465,887; Aug. 21.
Extractor: *See*—
Liquid extractor.
Eyeglasses and spectacles, Producing rings of celluloid for. E. R. Durkin. 1,465,424; Aug. 21.
Eyeglasses, Producing rims of celluloid for. E. R. Durgin. 1,465,423; Aug. 21.
Fabrics and the like, Production of coated. H. E. Brown and J. H. Stover. 1,465,541; Aug. 21.
Fastening device. T. O. Hopkins. 1,465,848; Aug. 21.
Feed pinion. W. Sandiford. 1,465,486; Aug. 21.
Feeder, Chicken. G. H. Allen. 1,465,327; Aug. 21.
Feeder, Stock. N. A. Heacock. 1,465,763; Aug. 21.
Fences, Tool for repairing wire. L. Ivie. 1,465,910; Aug. 21.
Fender: *See*—
Automobile fender.
File-cutting machine. J. A. Hess. 1,465,434; Aug. 21.
Filter, Electrical-wave. A. M. Curtis. 1,465,757–8; Aug. 21.
Fire-alarm apparatus. V. Durbin. 1,465,425; Aug. 21.
Fire-alarm system. N. H. Suren. 1,465,496; Aug. 21.
Fireproofing construction for buildings. C. A. Matheny and F. F. Steele. 1,465,452; Aug. 21.
Fish and bait carrier. C. M. Forsburg. 1,465,814; Aug. 21.
Fishing tackle. T. Bartholomew. 1,465,707; Aug. 21.
Float. S. H. Smith. 1,465,370; Aug. 21.
Float device. D. L. Ranlett. 1,465,790; Aug. 21.
Flooring. F. W. Cherrington. 1,465,623; Aug. 21.
Flower holder. J. H. Gmelin. 1,465,636; Aug. 21.

Fluid meter. R. J. Lyman. 1,465,447; Aug. 21.
Fluid-pressure-actuated tool. E. H. Shaff. 1,465,770; Aug. 21.
Fluid-pressure brake. C. C. Farmer. 1,465,781; Aug. 21.
Fluid-pressure device. H. B. Graham. 1,465,471; Aug. 21.
Flushing system. A. Hobeck and J. Laughlin. 1,465,823; Aug. 21.
Flushometer. S. A. Berg. 1,465,575; Aug. 21.
Foot cleaner. E. McCormick. 1,465,736; Aug. 21.
Fork: *See*—
Kitchen fork.
Foundry plant. J. B. Ladd. 1,465,275–6; Aug. 21.
Fountain: *See*—
Poultry drinking fountain.
Frame: *See*—
Artist's frame.
Sash frame.
Truck frame.
Frame. T. J. Carroll. 1,465,839; Aug. 21.
Freezing can. A. J. Bentley. 1,465,335–6; Aug. 21.
Fringe, Ornamental. A. E. Neff. Des. 62,915; Aug. 21.
Fruit press. G. B. Pickop. 1,465,558; Aug. 21.
Fuel burner and in the process of burning gas and liquid fuel, Gas and liquid-. C. F. Currey and K. E. Lyman. 1,465,511; Aug. 21.
Fuel burner, Hydrocarbon-. W. C. Coleman. 1,465,422; Aug. 21.
Fuel-burning furnace. F. F. Espenschied. 1,465,426; Aug. 21.
Furnace: *See*—
Fuel-burning furnace.
Furnace construction, Rabble-. B. G. Call and R. A. Wagstaff. 1,465,416–17; Aug. 21.
Furnace top, Blast-. W. L. Kluttz. 1,465,273; Aug. 21.
Furnaces, Air-feeding attachment for. H. W. Weaver. 1,465,502; Aug. 21.
Furnaces, Heat accelerator for hot-air. H. W. Neal. 1,465,309; Aug. 21.
Furnaces, Superheater attachment for. G. F. Seitz. 1,465,490; Aug. 21.
Furnaces, System of cleaning. E. Gray. 1,465,711; Aug. 21.
Gaiter. W. Metts. Des. 62,914; Aug. 21.
Garment. J. Pelt. Des. 62,917–18; Aug. 21.
Garment-fastening device. J. B. Carolin. 1,465,578; Aug. 21.
Garment stretcher. J. P. Swedenborg. 1,465,696; Aug. 21.
Gas burner. P. R. Dixon. 1,465,810; Aug. 21.
Gas scrubber. H. G. Johnston. 1,465,397; Aug. 21.
Gaseous fluids, Dehydrating. O. Luhr. 1,465,673; Aug. 21.
Gaseous mixtures, Separating olefines from. B. E. Eldred. 1,465,600; Aug. 21.
Gasoline manufacture. R. Yates. 1,465,752; Aug. 21.
Gasoline signal, Low-. C. W. Dixon. 1,465,351; Aug. 21.
Gate: *See*—
End gate.
Gate opener. W. Hird. 1,465,551; Aug. 21.
Gauge: *See*—
Caliper gauge.
Registering pressure gauge.
Thread gauge.
Gauge. E. A. Francis. 1,465,920; Aug. 21.
Gauge. L. A. Stauch. 1,465,694; Aug. 21.
Gear, Steering. D. T. Hastings. 1,465,667; Aug. 21.
Gear yoke, Composite draft-. G. C. Murray. 1,465,363; Aug. 21.
Gearing, Differential. D. A. Flynn. 1,465,469; Aug. 21.
Gem-setting machine, Automatic. D. Lombardi. 1,465,446; Aug. 21.
Glass and the like, Manufacture of articles of. M. A. Demongeot. 1,465,545; Aug. 21.
Glass, Gathering and delivering apparatus for molten. A. C. Wilcox. 1,465,886; Aug. 21.
Glass plate, Method and machine for constructing embossed. H. F. Anderson. 1,465,507; Aug. 21.
Glass, Process of and apparatus for forming. R. M. Corl. 1,465,347; Aug. 21.
Governor, Centrifugal. E. McCracken and G. C. J. Gray. 1,465,674; Aug. 21.
Grinding machine. R. D. Gardner. 1,465,762; Aug. 21.
Grinding mill. A. P. Grohens. 1,465,666; Aug. 21.
Grinding mill. W. N. Hartshorn. 1,465,713; Aug. 21.
Guide bar for guide cards. F. E. Kunkel. 1,465,827; Aug. 21.
Gyroscopic precession, Suppression of. H. Sundhaussen. 1,465,532; Aug. 21.
Hair-cutting device. N. S. Owen. 1,465,455; Aug. 21.
Hair iron. J. P. Caneavri. 1,465,898; Aug. 21.
Hairpin holder. F. W. Alling. 1,465,619; Aug. 21.
Hammer, Spring. J. M. Redinger. 1,465,918; Aug. 21.
Handle: *See*—
Vault handle.
Hanger: *See*—
Clothes hanger.
Harrow, Rotary. J. A. Cartwright. 1,465,805; Aug. 21.
Headrest, Adjustable. G. W. Spahr. 1,465,877; Aug. 21.
Headrest and server, Combination. G. W. Spahr. 1,465,876; Aug. 21.
Headlight-dimming device. A. N. Schoenung. 1,465,872; Aug. 21.
Headlight, Dirigible. M. Hitz. 1,465,847; Aug. 21.
Heat-distributing hood. F. H. Moore. 1,465,652; Aug. 21.
Heater: *See*—
Electric heater.
Orchard heater.
Smokeless heater.
Heating apparatus, Electric. G. R. Conklin. 1,465,809; Aug. 21.
Heating plate, Electric. A. Nielsen. 1,465,478; Aug. 21.
Heel. C. F. Donigan. 1,465,896; Aug. 21.
High chair, Adjustable. C. J. Walker. 1,465,291; Aug. 21.
Hinge. H. E. Holbrook. 1,465,268; Aug. 21.
Hinge. M. Jensen. 1,465,912; Aug. 21.
Hoist for motor vehicles, Hydraulic. E. F. Walsh. 1,465,658; Aug. 21.
Hook. A. Côté. 1,465,510; Aug. 21.
Hose clamp. W. T. Rutledge. 1,465,792; Aug. 21.
Hosiery. A. E. Stewart. Des. 62,924; Aug. 21.
Hydraulic jack. J. A. Ross. 1,465,365; Aug. 21.
Hydrocarbons, Treating of. J. H. C. de Brey. 1,465,598–9; Aug. 21.
Hypodermic needle. O. W. Kress. 1,465,851; Aug. 21.
Ice-making apparatus. O. J. Morris. 1,465,280; Aug. 21.
Igultion apparatus. C. F. Kettering and W. A. Chryst. 1,465,644; Aug. 21.
Ignition coil. A. Toelle. 1,465,618; Aug. 21.
Index tag. T. G. Biggs. 1,465,576; Aug. 21.
Indexes, Guide card for card. H. C. Thomson. 1,465,499; Aug. 21.
Indicating device. L. A. Mapel. 1,465,768; Aug. 21.
Indicator: *See*—
Vehicle direction indicator.
Inductance. H. P. Donle. 1,465,546; Aug. 21.
Inhaler, Combination. R. A. Rice. 1,465,316; Aug. 21.
Insect exterminator. F. Oldham. 1,465,557; Aug. 21.
Inner tube. J. Riley. 1,465,867; Aug. 21.
Instrument, Combination. G. Turkovich. 1,465,746; Aug. 21.
Interlocking switch. L. C. Wescoat. 1,465,384; Aug. 21.
Internal-combustion engine. E. C. Cordell. 1,465,597; Aug. 21.
Internal-combustion engine. F. R. Porter. 1,465,560; Aug. 21.
Internal-combustion engine, Two-stroke. W. J. F. Wegé. 1,465,885; Aug. 21.
Iron: *See*—
Hair iron.
Jack: *See*—
Hydraulic jack.
Lifting jack.
Jacks, Swivel hook for. R. R. Daniels. 1,465,895; Aug. 21.
Joint: *See*—
Rail joint.
Journal-box lid and making same, Hooded. C. J. W. Clasen. 1,465,542; Aug. 21.
Keyways, Machine for cutting. J. Alleman. 1,465,460; Aug. 21.
Kiln. E. P. Stevens. 1,465,744; Aug. 21.
Kiln for firing pottery and other ware. C. F. Bailey. 1,465,573; Aug. 21.
Kilns, Car for tunnel. S. A. Mitchell. 1,465,737; Aug. 21.
Kitchen fork. F. E. Small. Re15,680; Aug. 21.
Knife. R. L. Wright. 1,465,751; Aug. 21.
Lace, L. Dinkelspiel and E. Bosshardt. Des. 62,890–901; Aug. 21.
Lamp. C. F. Gilchrist. 1,465,549; Aug. 21.
Lamp. Art. I. Kidder and L. Melton. Des. 62,909; Aug. 21.
Lamp, Electric. E. Alber. 1,465,293; Aug. 21.
Lamp, Electric. E. R. Pennell. 62,919; Aug. 21.
Lamp fixture and socket construction. A. B. Barnes. 1,465,836; Aug. 21.
Lamp, Standing. E. Brandts. Des. 62,877; Aug. 21.
Lamp support. M. R. Goldberg. Des. 62,903; Aug. 21.
Lamps, Flexible shade for electric. F. M. Ashley. 1,465,333; Aug. 21.
Lantern Bracket. T. E. Dahl. Des. 62,887; Aug. 21.
Latch, Door. C. F. Lee. 1,465,672; Aug. 21.
Leaf springs, Means for lubricating. C. J. Coleman. 1,465,778; Aug. 21.
Leather, skin, hide, imitation leather, or article of similar nature. P. F. Baynton. Des. 62,876; Aug. 21.
Level clamp. S. Condon. 1,465,543; Aug. 21.
Lever attachment. F. A. Hendrickson. 1,465,846; Aug. 21.
Lever, Clutch-clamping. C. G. Wood. 1,465,704; Aug. 21.
Lever, Stop. V. R. Heftler. 1,465,668; Aug. 21.
Lifeboats, Stowage and launching of ships'. J. Graham. 1,465,639; Aug. 21.
Lifter: *See*—
Valve-spring lifter.
Lifting device. S. Gasparnitis. 1,465,429; Aug. 21.
Lifting jack. E. E. Arnold. 1,465,570; Aug. 21.
Lifting jack. W. J. Melchior. 1,465,278; Aug. 21.
Light projection. J. M. Fitz Gerald. 1,465,468; Aug. 21.
Light reflector. C. W. Weber. Des. 62,926; Aug. 21.
Lighting fixture. E. H. Peck. Des. 62,946; Aug. 21.
Lighting-fixture base. T. E. Dahl. Des. 62,886; Aug. 21.
Line and circuit breaker. W. T. Rutledge. 1,465,791; Aug. 21.
Lining. J. Raab and J. Tendrich. 1,465,562; Aug. 21.
Liquid extractor. C. Hurd. 1,465,825; Aug. 21.
Liquids, Means for regulating the flow of. W. E. Muntz. 1,465,556; Aug. 21.
Lock: *See*—
Automobile lock.
Permutation door lock.
Spindle lock.
Lock. L. Verdy. 1,465,290; Aug. 21.
Locking switch. R. M. Martens. 1,465,451; Aug. 21.

Loom take-up mechanism. G. W. Spalding. 1,465,693; Aug. 21.
Loom, Wire-fence. J. W. Driggins. 1,465,761; Aug. 21.
Lubricating apparatus. E. W. Davis. 1,465,254; Aug. 21.
Lubricating device. N. W. Cummins. 1,465,253; Aug. 21.
Lubricating system. A. P. Anderson. 1,465,620; Aug. 21.
Luggage carrier. J. W. Gerrell. 1,465,515; Aug. 21.
Lumber, Composite. F. J. Walsh and R. L. Watts. 1,465,383; Aug. 21.
Mail assorting machine. G. F. Wittum. 1,465,773; Aug. 21.
Masonry, Tie for. D. Dunbar. 1,465,812; Aug. 21.
Mat. A. C. Hayden. 1,465,550; Aug. 21.
Matting. J. E. Richardson and W. B. Thurman. 1,465,784; Aug. 21.
Measure, Tailor's. B. Simpson. 1,465,875; Aug. 21.
Measuring machine, Continuous fabric-. D. Turner. 1,465,321; Aug. 21.
Measuring machine, Fabric-. D. Turner. 1,465,322; Aug. 21.
Meat cutter. W. A. Pue and W. N. Sifford. 1,465,865; Aug. 21.
Metal sheets, Apparatus for the manufacture of protected. W. W. Roney. 1,465,564; Aug. 21.
Meter: *See*—
Fluid meter.
Mill: *See*—
Grinding mill.
Milling machine. C. F. Henry. 1,465,303; Aug. 21.
Milling-machine attachment. J. A. Purves. 1,465,721; Aug. 21.
Milling machine, Automatic. R. C. Nevin. 1,465,453; Aug. 21.
Mining machine. G. W. Starr and W. D. Paynter. 1,465,372; Aug. 21.
Miter box. W. C. Ayres. 1,465,800; Aug. 21.
Mixer: *See*—
Drink mixer.
Mol-tener, Air. J. G. Pate. 1,465,288; Aug. 21.
Mold: *See*—
Brick mold. Concrete mold.
Mold. W. Barnes. 1,465,724; Aug. 21.
Mold. T. De La Mare. 1,465,250; Aug. 21.
Mop head. F. C. Hoffman. 1,465,436; Aug. 21.
Motor: *See*—
Spring motor.
Motor cycle and aeroplane. B. Johnson. 1,465,913; Aug. 21.
Motors and propellers, Feathering mechanism for paddle-type stream. J. F. and J. E. Parrett and F. A. Wyatt. 1,465,593; Aug. 21.
Mowing machine and cutter therefor. H. H. Montague. 1,465,279; Aug. 21.
Muffler. F. J. Herdle. 1,465,904; Aug. 21.
Musical-note-indicating attachment. G. W. Stewart. 1,465,879; Aug. 21.
Needle for collecting blood. S. A. Petroff. 1,465,720; Aug. 21.
Needles, Adjustment for embroidering machine. E. Pfeninger. 1,465,526; Aug. 21.
Nipples, Attachment for nursing. C. H. Weld. 1,465,748; Aug. 21.
Nitrogen, Fixation of atmospheric. W. A. Nelson. 1,465,310; Aug. 21.
Nozzle. J. C. Findlay. 1,465,580; Aug. 21.
Nozzle, Sprinkler. H. Partridge. 1,465,681; Aug. 21.
Nut, Die. O. Binford. 1,465,337; Aug. 21.
Nut lock and piston-rod lubricator, Combination. W. H. Stone. 1,465,495; Aug. 21.
Oil from shales, Apparatus for extracting. J. Mayes and R. Homrighous. 1,465,277; Aug. 21.
Oil tanks, Device for draining water from. W. J. MacArthur. 1,465,678; Aug. 21.
Orchard heater. O. B. Halstead. 1,465,819; Aug. 21.
Organs, etc., Stop-actuating device for pipe. G. H. Chapman. 1,465,418; Aug. 21.
Outside brake. F. J. Andel. 1,465,832; Aug. 21.
Oven or kiln for firing pottery and other wire, Tunnel. C. F. Bailey. 1,465,572; Aug. 21.
Oxy and sulpho-oxy derivatives of anthraquinone, Manufacture of. D. Segaller and D. H. Peacock. 1,465,659; Aug. 21.
Packaging apparatus. F. M. Peters and W. H. Hunnerford. 1,465,481; Aug. 21.
Packaging machine. R. Herz and E. Conti. 1,465,921; Aug. 21.
Pad: *See*—
Baseball-glove pad. Spring pad.
Paintbrush. G. Marsh. 1,465,856; Aug. 21.
Paper box. S. Bergstein. 1,465,411; Aug. 21.
Paper-folding machine. G. S. Houston. 1,465,440; Aug. 21.
Paper pasting and severing machine. J. Oppman. 1,465,862; Aug. 21.
Paper-trimming machines, Safety device of power-operated. C. H. Hornbeck. 1,465,429; Aug. 21.
Pasting and cutting machine. J. Oppman. 1,465,861; Aug. 21.
Paving blocks, Grouting composition for. J. F. McCoy. 1,465,448; Aug. 21.
Pawl-and-ratchet mechanism, Means for controlling the operation of. A. G. French. 1,465,258; Aug. 21.
Pedal, Adjustable. B. J. and B. A. Miller. 1,465,524; Aug. 21.
Peg, Tethering. O. W. J. Chester. 1,465,806; Aug. 21.
Pen, Lettering. E. E. Evans. 1,465,845; Aug. 21.
Pencil. J. Bricken. Des. 62,878; Aug. 21.
Pendant, Luminous. W. H. Dey. 1,465,759; Aug. 21.
Permutation door lock. P. Giba. 1,465,262; Aug. 21.
Phonograph. H. N. Stroh. 1,465,880; Aug. 21.
Phonograph, Automatic. C. D. Infante. 1,465,909; Aug. 21.
Phonograph recorder. N. H. Holland. 1,465,764; Aug. 21.
Photographic enlargements, Illuminator for making. H. W. Craig. 1,465,626; Aug. 21.
Photographic-printing device. A. G. Ogden. 1,465,283; Aug. 21.
Picture, Composite. C. W. Saalburg. 1,465,564; Aug. 21.
Picture slide. W. J. Donaldson. 1,465,353; Aug. 21.
Pigtail connection. F. F. Dorsey. 1,465,255; Aug. 21.
Pipe: *See*—
Well-casing pipe.
Pipe-threading machine. C. F. Schmelz. 1,465,488; Aug. 21.
Piston. D. S. Ludlam. 1,465,647; Aug. 21.
Piston switch. G. H. Chapman. 1,465,420; Aug. 21.
Plaited articles, Method of and means for laying out blanks of. C. Christensen. 1,465,807; Aug. 21.
Playblock. S. G. Goss. 1,465,637; Aug. 31.
Plug. L. Stephens. 1,465,373; Aug. 21.
Plumber's clamp. M. Ardner. 1,465,330; Aug. 21.
Pocketbooks, etc., Alarm for. G. M. Edwards. 1,465,466; Aug. 21.
Potassium compound in connection with cement manufacture, Recovering. E. Anderson. 1,465,834; Aug. 21.
Potassium compounds, Obtaining water-soluble. R. D. Cheesman and R. C. Haff. 1,465,841-2; Aug. 21.
Poultry drinking fountain. O. C. White. 1,465,503; Aug. 21.
Powder-cake holders. T. W. Foster. 1,465,548; Aug. 21.
Powder puff. T. W. Schramm. 1,465,566; Aug. 21.
Powder puff. J. E. Valentine. 1,465,535; Aug. 21.
Power-driven machines, Mechanism for controlling. P. R. Glass. 1,465,391; Aug. 21.
Power-transmission device. G. D. Vannest. 1,465,382; Aug. 21.
Power transmitting and control mechanism. F. Cox. 1,465,348; Aug. 21.
Preheater. R. W. Wiederwax. 1,465,797; Aug. 21.
Press: *See*—
Fruit press.
Press. W. J. Brennan. 1,465,339; Aug. 21.
Press. P. Jardine. 1,465,922; Aug. 21.
Presses, Conveyer for vulcanizing. C. Macbeth and H. Willshaw. 1,465,609; Aug. 21.
Pressing machine, Garment. P. N. Braun. 1,465,727; Aug. 21.
Pressing machines, Cushioning device for. A. E. Snow. 1,465,493; Aug. 21.
Printing presses, Attachment for cylinder. R. E. Wright. 1,465,750; Aug. 21.
Printing presses, Inking mechanism for. F. Foster. 1,465,900; Aug. 21.
Printing purposes, Rolling stamp with counting mechanism for various. H. Komusin, geb. Lledtke. 1,465,915; Aug. 21.
Projectile. H. Jacob. 1,465,911; Aug. 21.
Puller: *See*—
Valve-cage puller. Wheel puller.
Pulp article. A. Tingle. 1,465,882; Aug. 21.
Pulp-making machine. H. E. Ellis. 1,465,579; Aug. 21.
Pump. J. P. Goodfellow. 1,465,392; Aug. 21.
Pump driving and balancing mechanism. W. E. Hubbard. 1,465,671; Aug. 21.
Pump, Rotary. B. Theens. 1,465,881; Aug. 21.
Pumps, Rivet catcher for oil-well. P. T. Spruill. 1,465,320; Aug. 21.
Pumping power. E. S. Sloan. 1,465,319; Aug. 21.
Quick-break switch. C. H. Bissell and R. E. Jones. 1,465,412; Aug. 21.
Rack: *See*—
Display rack. Shoe rack.
Radiation from Röntgen rays, Apparatus for reducing secondary. A. W. Buck. 1,465,340; Aug. 21.
Radiator. H. A. McCoy and T. G. Anderson. 1,465,607; Aug. 21.
Radiator cap. F. T. Curran. 1,465,544; Aug. 21.
Radiocommunication. R. A. Heising. 1,465,357; Aug. 21.
Rail joint. L. Glanzer. 1,465,263; Aug. 21.
Rail joint. M. Kiss. 1,465,914; Aug. 21.
Rail-securing device. P. L. Reed. 1,465,685; Aug. 21.
Railway switchover. E. Oxen. 1,465,312; Aug. 21.
Railway tie. J. H. Barnes. 1,465,406; Aug. 21.
Railway tie. S. S. Smith. 1,465,289; Aug. 21.
Railway trucks, Automatic ball-bearing side bearing for. G. M. Hyndes. 1,465,908; Aug. 21.
Railway vehicles and in platforms to be used wherever a break of gauge occurs, Undercarriage and body of. E. D. O'Donnell. 1,465,614; Aug. 21.
Razor blades, Holder for. C. K. Welch. 1,465,774; Aug. 21.
Razor, Safety. C. H. Krebs. 1,465,274; Aug. 21.
Recording machine. J. A. Howe. 1,465,441; **Aug. 21.**
Reel: *See*—
Chain reel.
Reel. S. J. Gunn. 1,465,818; Aug. 21.
Refrigerator. P. Vacatos. 1,465,657; **Aug. 21.**

Registering pressure gauge, Self-. J. A. Bowden. 1,465,725-6; Aug. 21.
Registering the time when record entries are made, Method of and apparatus for. H. L. Thomson. 1,465,498; Aug. 21.
Regulator: *See*—
Damper regulator.
Resin from wood with the aid of oil of turpentine, Extracting. E. Scheller. 1,465,565; Aug. 21.
Retreading machine. R. C. King. 1,465,826; Aug. 21.
Rim, Demountable. R. J. Donogh. 1,465,354; Aug. 21.
Ring. T. H. Clarke. Des. 62,885; Aug. 31.
Ring. J. Simmons. Des. 62,922; Aug. 21.
Ring contractor. J. O. Pollack. 1,465,682; Aug. 21.
Rolls, Grinding machine for forming. H. Wickstrom and P. J. Shea. 1,465,538; Aug. 21.
Rolls, Securing the ends of. W. M. Wheildon. 1,465,786; Aug. 21.
Roof structure. E. Flagg. 1,465,899; Aug. 21.
Rope, Metallic. G. Bell. 1,465,801; Aug. 21.
Rossing machine. E. and A. Berthiaume. 1,465,621; Aug. 21.
Rubber footwear. W. B. Wiegand. 1,465,504; Aug. 21.
Rubber heels, Mold for. W. Bernstein. 1,465,775; Aug. 21.
Rubber outsoles to shoes, Apparatus for applying. F. W. Hodges. 1,465,824; Aug. 21.
Rubber vulcanization. G. H. Stevens and C. H. Eaton. 1,465,743; Aug. 21.
Rugs, Cleaning. G. S. Barsumian. 1,465,249; Aug. 21.
Runner attachment. J. De Lotto. 1,465,463; Aug. 21.
Salt and pepper shaker. A. J. Flauder. Des. 62,927; Aug. 21.
Sandal. J. H. Hamilton. Des. 62,905; Aug. 21.
Sash frame. I. Tajima. 1,465,380; Aug. 21.
Sashes or shutters, Casement adjuster for swinging. C. V. Raicevich. 1,465,315; Aug. 21.
Saw set. W. E. Leary. 1,465,606; Aug. 21.
Saw, Scroll. C. A. Moberg. 1,465,651; Aug. 21.
Scale. M. M. Munk. 1,465,613; Aug. 21.
Scale, Weighing. R. Craig. 1,465,252; Aug. 21.
Scraper. G. W. Packer. 1,465,456; Aug. 21.
Screen and ventilator, Combination. H. L. Thomas. 1,465,722; Aug. 21.
Screen guide, Rolling-. J. D. Ritondi. 1,465,802; Aug. 21.
Seat. R. M. Montgomery. 1,465,859; Aug. 21.
Seesaw, Rotatable. R. C. and E. F. Fields. 1,465,662; Aug. 21.
Sensitive plate, film, or the like for color prints. W. V. D. Kelley. 1,465,643; Aug. 21.
Separator. L. J. Vandervoort. 1,465,884; Aug. 21.
Shaft brake, Ratchet-jack-. E. E. Arnold. 1,465,569; Aug. 21.
Sheet delivery mechanism. J. White. 1,465,385; Aug. 21.
Sheet-smoothing device. J. White. 1,465,386; Aug. 21.
Shirt. G. P. Cragin. 1,465,625; Aug. 21.
Shock absorber. S. and W. J. Burgess. 1,465,341; Aug. 21.
Shock absorber for automobile springs. P. W. Johnson. 1,465,396; Aug. 21.
Shoe. I. H. Case. 1,465,343; Aug. 21.
Shoe last, Adjustable. H. Gafner. 1,465,356; Aug. 21.
Shoe rack. J. S. Cantelo. 1,465,777; Aug. 21.
Shoe-shine stand. P. Murqua. 1,465,450; Aug. 21.
Shoe, Steady-rest. A. Turner. 1,465,534; Aug. 21.
Shoe-tree. O. J. Howe. 1,465,270-1; Aug. 21.
Sifter, Ash. O. Meyer. 1,465,858; Aug. 21.
Sifter, Flour. A. S. Woolstencroft. 1,465,325; Aug. 21.
Signal: *See*—
Automobile signal. Traffic signal.
Gasoline signal. Vehicle signal.
Signaling. R. A. Heising. 1,465,358; Aug. 21.
Signaling system, Low-frequency alternating-current. L. Espenschied and J. F. Toomey. 1,465,299; Aug. 21.
Signaling system, Secret. W. J. Shackelton. 1,465,368; Aug. 21.
Signaling systems, Testing circuits for carrier wave-. J. S. Jammer. 1,465,395; Aug. 21.
Sirup, Preparing. C. F. Walton, jr. 1,465,459; Aug. 21.
Skip. H. Delporte. 1,465,512; Aug. 21.
Sleeper or the like, Cementitious. G. Atterbury. 1,465,539; Aug. 21.
Slicing machine. S. Wile. 1,465,702-3; Aug. 21.
Slotting tool. S. H. Norton. 1,465,282; Aug. 21.
Smokeless heater. C. H. Rutherford and C. Townsend. 1,465,687; Aug. 21.
Soda fountains, Dispensing apparatus for. W. and P. Pappas. 1,465,680; Aug. 21.
Soles, Last for use in forming and leveling. J. C. Boyd. 1,465,338; Aug. 21.
Spark plug. S. F. Leager and F. H. Vliet. 1,465,582; Aug. 21.
Spark plug. F. Samland and G. Skow. 1,465,869; Aug. 21.
Spat or overgaiter. O. M. Thomas. Des. 62,925; Aug. 21.
Spear. S. T. Henry. 1,465,267; Aug. 21.
Spectacle glasses, Machine for cutting. R. Schumann. 1,465,366; Aug. 21.
Speed-transmitting mechanism, Variable-. H. E. Twomley. 1,465,796; Aug. 21.
Spindle lock, Rotary-. A. C. Andersen. 1,465,461; Aug. 21.
Spinning and like frames, Spindle mechanism of. J. S. Gaunt and H. Dyson. 1,465,514; Aug. 21.
Spool. F. Mossberg. 1,465,585; Aug. 21.
Spout for containers, Detachable. A. Schilling. 1,465,793; Aug. 21.
Spout, Pouring. R. Shatz. 1,465,617; **Aug. 21.**
Spraying device. R. L. Strain. 1,465,377; Aug. 21.
Spring motor. L. B. Graham. 1,465,663; Aug. 21.
Spring pad. P. Krakauer. 1,465,766; Aug. 21.
Spring structure, Upholstered. D. H. Van Hove. 1,465,323; Aug. 21.
Spring wheel. H. E. Vohach. 1,465,747; Aug. 21.
Sprinkler closure, Temporary. A. C. Rowley. 1,465,831; Aug. 21.
Sprinkler head. O. J. Lubbock. 1,465,477; Aug. 21.
Stamp, Dating. M. Sheras. 1,465,741; Aug. 21.
Stand: *See*—
Shoe-shine stand.
Staple strip. F. Polzer. 1,465,783; Aug. 21.
Steak and chop cutter. T. J. Yount. 1,465,923; Aug. 21.
Stocking. R. C. Groh. Des. 62,904; Aug. 21.
Stop-signal device. J. Geier. 1,465,260; Aug. 21.
Storm-sash holder. A. W. Palm. 1,465,679; Aug. 21.
Stove and furnace, Smoke-burning. R. E. Jones. 1,465,442; Aug. 21.
Structural members, Machine for straightening. A. J. and W. A. Bates. 1,465,408; Aug. 21.
Structures centrifugally, Machine for making. H. Conradi. 1,465,297; Aug. 21.
Stud, Press. A. Assorati. 1,465,571; Aug. 21.
Stuffing machine. O. C. Schmidt. 1,465,655; Aug. 21.
Suction cleaner. E. A. Peterson. 1,465,285; Aug. 21.
Surface-measuring machine, particularly intended for the measurement of leather. H. Thun. 1,465,533; Aug. 21.
Suspenders. W. D. Corder. 1,465,779; Aug. 21.
Swatter, Fly. H. W. and A. M. Mangold. 1,465,523; Aug. 21.
Sweetmeats, Machine for the manufacturing of. P. Zimmer. 1,465,326; Aug. 21.
Switch: *See*—
Electric switch. Locking switch.
Electrical switch. Piston switch.
Interlocking switch. Quick-break switch.
Switch and overhead system. S. S. Matthes. 1,465,308; Aug. 21.
Switches, Operating mechanism for crossbar line. A. C. Magrath. 1,465,361; Aug. 21.
Talking-machine cabinet. E. T. Kieffer and W. B. Stevenson. Des. 62,910-11; Aug. 21.
Talking machines, Motor drive for. L. P. Vallquet. 1,465,772; Aug. 21.
Tank: *See*—
Ash tank.
Tank for powdered material, Delivery. A. J. Grindle. 1,465,665; Aug. 21.
Teacups, breakfast cups, beakers, and other vessels or articles of pottery, Machine for use in the manufacture of. E. Brookes. 1,465,577; Aug. 21.
Teeth, Means for molding backings for artificial. T. C. Hansen. 1,465,473; Aug. 21.
Telephone and wireless telegraphy installation. L. N. Brillouin. 1,465,250; Aug. 21.
Telephone-exchange system. C. L. Goodrum. 1,465,393; Aug. 21.
Telephone-exchange system. G. A. E. Lundell. 1,465,360; Aug. 21.
Telephone system, Measured-service. W. W. Owen. 1,465,311; Aug. 21.
Testing instrument. J. B. Patton. 1,465,314; Aug. 21.
Textile fabric, H. Leibow. Des. 62,912; Aug. 21.
Thrashing-machine attachment. G. Hollinger. 1,465,438; Aug. 21.
Thread gauge. A. F. Miley. 1,465,588; Aug. 21.
Thread waxing device. F. E. Bertrand. 1,465,776; Aug. 21.
Throttle-adjusting device and safety lock. L. Christmas. 1,465,808; Aug. 21.
Tie: *See*—
Railway tie.
Tie plate. R. H. Wilke. 1,465,324; Aug. 21.
Tire. G. F. Englert. Des. 62,902; Aug. 21.
Tire alarm, Flat-. M. J. Barry. 1,465,837; Aug. 21.
Tire, Automobile. J. G. Wolfe. Des. 62,931; Aug. 21.
Tire building and finishing core, Collapsible. J. R. Quin. 1,465,769; Aug. 21.
Tire chains, Connecting link for. H. A. Corrington. 1,465,710; Aug. 21.
Tire cover. C. E. G. Palmen. 1,465,313; Aug. 21.
Tire liners, Method of and apparatus for laying reenforcing plates in the manufacture of. E. J. Moran. 1,465,611; Aug. 21.
Tire-making machines, Stitcher mechanism for. R. A. Holmes. 1,465,552; Aug. 21.
Tire, Nonpneumatic. C. A. Fisk. 1,465,898; Aug. 21.
Tire rim, Resilient-. J. F. Stranahan. 1,465,376; Aug. 21.
Tire rims, Combined contractor and expander for automobile. A. C. Hoecker. 1,465,305; Aug. 21.
Tires, Stone guard for dual pneumatic. S. P. Thacher. 1,465,697; Aug. 21.
Tongs. N. A. Burgess. 1,465,892; Aug. 21.
Tongs, Pipe. N. Fellabaum. 1,465,813; Aug. 21.
Tool construction, Pneumatic-. W. H. Keller and A. Schinkez. 1,465,765; Aug. 21.
Tool holder. J. W. Snedeker. 1,465,691; Aug. 21.
Toothbrush holder. F. W. Fisher and H. Johnson. 1,465,627; Aug. 21.
Toothpick. R. E. Lunday. 1,465,522; Aug. 21.

Torch, Welding. W. J. Frank. 1,465,390; Aug. 21.
Toy blocks, Method of and apparatus for manufacturing and printing. S. G. Goss. 1,465,638; Aug. 21.
Toy, Figure wheeled. C. D. French. 1,465,901; Aug. 21.
Toy or instrument, Musical. M. J. McIntyre. 1,465,675; Aug. 21.
Track liner. W. P. Thomson and C. A. Disbrow. 1,465,795; Aug. 21.
Tractor top. H. W. Hanson. 1,465,712; Aug. 21.
Tractor water-cooling device. J. Guth. 1,465,432; Aug. 21.
Tractors, Replacement shaft and rear-axle support for. A. F. Toppins. 1,465,458; Aug. 21.
Traffic signal. J. Brandenberg and W. W. Smith. 1,465,708; Aug. 21.
Traffic signal. H. W. Chittenden. 1,465,346; Aug. 21.
Translating material. M. Sims. 1,465,567; Aug. 21.
Trap. J. L. Rufty. 1,465,528; Aug. 21.
Trap. P. Strong. 1,465,378; Aug. 21.
Trenches, Apparatus for cutting. E. E. Bittner. 1,465,622; Aug. 21.
Trolley ear and hanger, Spring. J. Scott. 1,465,489; Aug. 21.
Trolley wheel. F. C. Schoenthal. 1,465,873; Aug. 21.
Trousers. E. A. Brunzel. 1,465,415; Aug. 21.
Trousers supporter. M. A. Greene. 1,465,903; Aug. 21.
Truck frame. H. C. Priebe. 1,465,561; Aug. 21.
Truck, Hand. E. T. Malone. 1,465,676; Aug. 21.
Truck, Power-driven lead. A. A. Thiele. 1,465,457; Aug. 21.
Tube: *See*—
  Inner tube.
Tubes, Making. H. W. Bundy. 1,465,755; Aug. 21.
Turbocompressor. F. Lösel. 1,465,401; Aug. 21.
Turntable, Self-balanced. F. E. Arndt. 1,465,331; Aug. 21.
Typesetting machine. O. Rusino. 1,465,482; Aug. 21.
Typewriting machine. A. A. Johnson. 1,465,640; Aug. 21.
Typewriting machine. H. L. Pitman. 1,465,789; Aug. 21.
Typewriting machine. M. W. Pool. 1,465,559; Aug. 21.
Typewriting machine. B. C. Stickney. 1,465,403; Aug. 21.
Typographic border mechanism. M. C. Indahl. 1,465,272; Aug. 21.
Typographic composing machine. J. B. S. Booth. 1,465,296; Aug. 21.
Valve. W. F. Duryea. 1,465,844; Aug. 21.
Valve. S. L. Kneass. 1,465,645; Aug. 21.
Valve. C. W. Larner. 1,465,916; Aug. 21.
Valve, Air. T. C. De Voy. 1,465,760; Aug. 21.
Valve, Automatic expansion. E. J. Radtke. 1,465,654; Aug. 21.
Valve-cage puller. J. L. Cunningham and M. D. Whalen. 1,465,349; Aug. 21.
Valve construction, Automatic exhaust. D. J. Campbell. 1,465,342; Aug. 21.
Valve device for wood-treating cylinders. G. B. and J. B. Shipley. 1,465,742; Aug. 21.
Valve for internal-combustion engines, Automatic auxiliary air. J. B. West. 1,465,723; Aug. 21.
Valve for rock drills, Reducing. A. H. Taylor. 1,465,568; Aug. 21.
Valve, Fuel-supply. K. J. E. Hesselman. 1,465,822; Aug. 21.
Valve mechanism, Control. D. Brandriff. 1,465,510; Aug. 21.
Valve mechanism for explosive engines. M. L. Gallagher and S. Brockson. 1,465,428; Aug. 21.
Valve, Quick-acting and attachable. G. McNeill. 1,465,648; Aug. 21.
Valve spring lifter. H. A. Cooper. 1,465,843; Aug. 21.
Valve springs, Tool for compressing. S. C. Hoff. 1,465,905; Aug. 21.
Vanity box. B. P. Hyde. Des. 62,928; Aug. 21.
Vault handle, Burial. C. C. Whartenby. 1,465,701; Aug. 21.
Vehicle. J. L. Banks. 1,465,248; Aug. 21.
Vehicle. E. J. Schramke. 1,465,318; Aug. 21.
Vehicle control, Motor. C. S. Orton. 1,465,480; Aug. 21.
Vehicle direction indicator. H. W. Spung. 1,465,494; Aug. 21.
Vehicle signal. E. Arrington. 1,465,405; Aug. 21.
Vehicle wheel. A. Gerstmayr. 1,465,261; Aug. 21.
Vehicle wheel, Resilient. F. C. Lane. 1,465,476; Aug. 21.
Vehicle wheels, Attachment for. J. H. Clark. 1,465,345; Aug. 21.
Vehicles, Attachment for motor. E. B. Preston. 1,465,864; Aug. 21.
Vehicles, Body and seat arrangement for motor. W. H. Emond. 1,465,729; Aug. 21.
Vehicles, Chain for endless tracks for. G. J. Rackham. 1,465,483; Aug. 21.
Vehicles, Coupling device for. M. J. B. Barbaron. 1,465,294; Aug. 21.
Vehicles, Direction indicator for. J. E. Rutherford. 1,465,287; Aug. 21.
Vehicles, Intake lock for motor. H. W. A. Fuhrmann. 1,465,924; Aug. 21.
Vehicles, Signal device for motor. R. L. French. 1,465,427; Aug. 21.
Velocipede. F. A. Higgins. 1,465,435; Aug. 21.
Vending machine. J. F. Fitch. 1,465,628; Aug. 21.
Ventilator for windows, Storm. S. W. Hamme. 1,465,265; Aug. 21.
Vessels, Control apparatus for evacuated. W. G. Housekeeper. 1,465,394; Aug. 21.
Vulcanizing tool. E. L. Petit. 1,465,364; Aug. 21.
Wagon brake, Team-operated. J. F. Boettner. 1,465,803; Aug. 21.
Wall construction. A. E. Olander. 1,465,653; Aug. 21.
Wall structure. J. A. Lynch. 1,465,855; Aug. 21.
Wardrobe. B. Schwarze. 1,465,288; Aug. 21.
Washing machine. A. F. Hecht. 1,465,517; Aug. 24.
Washing machine. O. P. Koebel. 1,465,444; Aug. 21.
Watchcase and dial. M. A. Popiel and J. Schonholtz. 1,465,874; Aug. 21.
Weaving machine, Reed. M. B. Lloyd. 1,465,445; Aug. 21.
Wedge. F. Haskel. 1,465,302; Aug. 21.
Welding machine, Chain. A. E. Peters. 1,465,719; Aug. 21.
Well-casing pipe. A. Richter. 1,465,484; Aug. 21.
Wheel: *See*—
  Automobile wheel. Trolley wheel.
  Spring wheel. Vehicle wheel.
Wheel-holding device. R. B. Stipes, J. D. Goodwin, and H. C. Welch. Re15,679; Aug. 21.
Wheel puller. W. C. Erickson and H. L. Conrad. 1,465,467; Aug. 21.
Wheel rim, Demountable. K. I. Nutter. 1,465,718; Aug. 21.
Wheel-truing mechanism. B. M. W. Hanson. 1,465,266; Aug. 21.
Winding machines, Attachment for. M. Landl. 1,465,520; Aug. 21.
Windmill. J. B. Altman. 1,465,592; Aug. 21.
Windmill. G. W. Gentry. 1,465,602; Aug. 21.
Windmills, Windwheel hub for. V. L. Andrew. 1,465,404; Aug. 21.
Window-clearing apparatus. A. Wessig. 1,465,292; Aug. 21.
Window guard. A. Josler. 1,465,413; Aug. 21.
Windows, doors, and the like, Heating and cooling system for. I. H. Erb. 1,465,513; Aug. 21.
Wire and manufacturing same, Solder-filled. L. H. Kirk. 1,465,553; Aug. 21.
Wire-drawing machinery, Die box for. J. R. George and W. E. Carroll. 1,465,730; Aug. 21.
Wire reel or spool. C. L. Newton. 1,465,454; Aug. 21.
Wood, Composition for impregnating and preserving. L. Gohmert. 1,465,603; Aug. 21.
Wrapper. J. H. Johnson. 1,465,581; Aug. 21.
Wrench. A. Gloor. 1,465,470; Aug. 21.
X-ray-film holder. A. Hallenberg. 1,465,516; Aug. 21.
Yarn, Creel and support for. P. A. Holt and G. Kershaw. 1,465,359; Aug. 21.

CLASSIFICATION OF PATENTS

ISSUED AUGUST 21, 1923.

NOTE.—First number=class, second number=subclass, third number=patent number.

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ALPHABETICAL LIST OF REGISTRANTS OF TRADE-MARKS.

Abraham, Edward, doing business as Abraham & Co., New York, N. Y. Buckles and belt links for personal wear. 172,321; Aug. 28; Serial No. 176,589; published May 8, 1923.

Adams, William C., Co., Boston, Mass. Arc and electric welding goggles. 172,420; Aug. 28; Serial No. 176,436; published May 29, 1923.

Alderman, Fairchild Co., Rochester, N. Y. Game. 172,331–2; Aug. 28; Serial Nos. 177,206–7; published May 29, 1923.

Alexander, Robert E., Tulsa, Okla. Jack frames for pumping jacks. 172,433; Aug. 28; Serial No. 176,813; published May 29, 1923.

Allen, Edward E., Mfg. Co., Chicago, Ill. Enamel for general use. 172,342; Aug. 28; Serial No. 179,079; published May 29, 1923.

Allen, Edward E., Mfg. Co., Chicago, Ill. Floor paint. 172,343–4; Aug. 28; Serial Nos. 179,080–1; published May 29, 1923.

Aller Brothers, Chicago, Ill. Pins, hairpins, safety pins, elastics, and hair nets. 172,354; Aug. 28; Serial No. 173,390; published May 15, 1923.

Alpben, Inc., New York, N. Y. Baseballs, bats, masks, heel and toe plates, etc. 172,389; Aug. 28; Serial No. 169,232; published May 29, 1923.

Alpina Cheese Co., Burgdorf, Switzerland. Swiss cheese. 172,465; Aug. 28; Serial No. 170,111; published May 8, 1923.

American Auto Lamp Co. Inc., New York, N. Y. Electric automobile lamps. 172,399; Aug. 28; Serial No. 165,600; published May 29, 1923.

American Biscuit Company, San Francisco, Calif. Chocolate cake with cream sandwich between. 172,479; Aug. 28.

American Hair Felt Co., Chicago, Ill. Hair carpet cushions and hair seat cushions. 172,349; Aug. 28; Serial No. 173,066; published May 1, 1923.

American Hard Rubber Company, Hempstead and New York, N. Y. Combs. 172,348; Aug. 28; Serial No. 173,024; published May 15, 1923.

American Hominy Company, Chicago, Ill. Core oils. 172,413; Aug. 28; Serial No. 178,655; published May 29, 1923.

American Hominy Company, Chicago, Ill. Self-rising flour. 172,435; Aug. 28; Serial No. 173,391; published May 8, 1923.

American Pin Company, The, Waterbury, Conn. Safety pins. 172,327; Aug. 28; Serial No. 177,061; published May 8, 1923.

American Refining and Manufacturing Company, Los Angeles, Calif. Lubricating oils and greases and gasoline. 172,333; Aug. 28; Serial No. 177,261; published May 29, 1923.

American Webbing Company, Providence, R. I. Braid for use in making rugs. 172,390; Aug. 28; Serial No. 168,703; published May 8, 1923.

Amsterdam, Borgos & Adams, New York, N. Y. Ladies' hats and hat frames. 172,381; Aug. 28; Serial No. 142,459; published May 17, 1921.

Anhydrous Food Products Co., The, Chicago, Ill. Dehydrated soup mixture, vegetables, fruits, fish, and meats. 172,384; Aug. 28; Serial No. 136,346; published Apr. 10, 1923.

Ansonia O & C Co., The, Ansonia, Conn. Clasps for arm bands. 172,401; Aug. 28; Serial No. 165,053; published May 1, 1923.

Ansted & Burk Co., The, Springfield, Ohio. Poultry feed. 172,471; Aug. 28; Serial No. 171,783; published May 8, 1923.

Anti-Darn Hosiery Mills. (See May Hosiery Mills.)

Apex Motor Fuel and Lubricant Co., Chicago, Ill. Lubricating oils and gasoline. 172,398; Aug. 28; Serial No. 167,156; published May 29, 1923.

Arch Aid Shoe Co. (See Menihan Company, The.)

Aridor Company, The, Chicago, Ill. Jars, cases, and other receptacles. 172,242; Aug. 28; Serial No. 163,850; published May 29, 1923.

Babson Bros. (See Blake, Henry, Harness Company, assignor.)

Ballard & Ballard Co., Incorporated, Louisville, Ky. Wheat flour—namely, self-rising flour. 172,473; Aug. 28; Serial No. 172,719; published May 8, 1923.

Barrett Company, The, New York, N. Y. Bituminous material for compounding rubber. 172,213–14; Aug. 28; Serial Nos. 173,690–1; published May 29, 1923.

Benetol Company, The. (See Carel, Hubert C.)

Birtman Electric Company, Chicago, Ill. Electric vacuum cleaner. 172,301–3; Aug. 28; Serial No. 175,380; published May 29, 1923.

Black Bros. Flour Mills, Beatrice, Nebr. Wheat flour. 172,445; Aug. 28; Serial No. 171,609; published May 1, 1923.

Blackburn Products Co., The, Dayton, Ohio. Medicinal compound for the treatment of coughs, and a salve. 172,393; Aug. 28; Serial No. 167,595; published May 1, 1923.

Blaisdell Pencil Company, Philadelphia, Pa. Lead pencils. 172,299; Aug. 28; Serial No. 178,212; published May 29, 1923.

Blake, Henry, Harness Company, assignor to Babson Bros., Chicago, Ill. Harness. 172,284; Aug. 28; Serial No. 168,292; published May 29, 1923.

Block-Zimmerman & Company, Los Angeles, Calif. Pickled cabbage. 172,206; Aug. 28; Serial No. 173,226; published May 29, 1923.

Blum, Harold F., doing business as Harold F. Blum & Co., San Francisco, Calif. Canned crab. 172,506; Aug. 28.

Boatright, Lenore, San Francisco, Calif. Dolls. 172,334; Aug. 28; Serial No. 177,649; published May 29, 1923.

Bockstege Furniture Co., The, Evansville, Ind. Dining-room furniture. 172,353; Aug. 28; Serial No. 173,347; published May 8, 1923.

Bouck, Harold W., Chicago, Ill. Poultice plasters for pimples and boils. 172,369; Aug. 28; Serial No. 160,390; published May 1, 1923.

Bowser, S. F., and Company, Incorporated, Fort Wayne, Ind. Dry-cleaning systems. 172,264; Aug. 28; Serial No. 177,068; published May 29, 1923.

Brown, A. E., Shoe Co., Inc., Orwigsburg, Pa. Shoes. 172,256; Aug. 28; Serial No. 149,261; published Jan. 9, 1923.

Brown, Harvey M., assignor to Brown Window Shades, Inc., Philadelphia, Pa. Window shades. 172,453; Aug. 28; Serial No. 172,506; published May 1, 1923.

Buren, Asa J., Cullom, Ill. Moisteners used in sealing up stationery. 172,252; Aug. 28; Serial No. 156,048; published May 29, 1923.

Bureau of Formulas. (See Wiegand, William D.)

Burris, John C., Nashville, Tenn. Paint enamels. 172,291; Aug. 28; Serial No. 165,911; published May 29, 1923.

Cadick Milling Company, Grandview, Ind. Wheat flour. 172,491; Aug. 28.

California Alfalfa Products Company, Pasadena, Calif. Beverage sold as a soft drink and syrups and extracts for making same. 172,239; Aug. 28; Serial No. 175,299; published May 29, 1923.

California Barrel Co., San Francisco, Calif. Wooden containers and shooks therefor. 172,263; Aug. 28; Serial No. 176,946; published May 29, 1923.

Canfield Rubber Company, The, Bridgeport, Conn. Dress shields. 172,290; Aug. 28; Serial No. 166,292; published May 15, 1923.

Caradine Harvest Hat Company, St. Louis, Mo. Straw hats. 172,283; Aug. 28; Serial No. 168,999; published May 29, 1923.

Carbo-Sul Corporation, New York, N. Y. Insecticides. 172,226; Aug. 28; Serial No. 174,609; published May 15, 1923.

Carbondale Machine Company, Carbondale, Pa. Refrigerating and ice-making plants, apparatus and machines and parts and accessories thereof. 172,204; Aug. 28; Serial No. 172,637; published May 29, 1923.

Carel, Hubert C., doing business as The Benetol Company, Minneapolis, Minn. Pharmaceutical preparations. 172,365; Aug. 28; Serial No. 163,859; published May 15, 1923.

Carr, F. S., Company, Boston, Mass. Waterproof automobile and carriage fabric. 172,267; Aug. 28; Serial No. 177,273; published May 29, 1923.

Carroll, J. Pratt, Inc., doing business as Sebastian Packing Co., New York, N. Y. Fresh grapefruit, oranges, tangerines, pineapples, limes, etc. 172,289; Aug. 28; Serial No. 166,347; published May 29, 1923.

Chocolate Products Company, Wilmington, Del., and Baltimore, Md. Candy. 172,420; Aug. 28; Serial No. 174,890; published May 29, 1923.

Cincinnati Cordage & Paper Co., The, Cincinnati, Ohio. Printing and writing paper. 172,210; Aug. 28; Serial No. 173,404; published May 29, 1923.

Clegg, William F., doing business as W. F. Clegg Cigar Company, Greensboro, N. C. Cigars. 172,221; Aug. 28; Serial No. 174,195; published May 29, 1923.

Cleveland Overall Company, The, Cleveland, Ohio. Overalls. 172,202; Aug. 28; Serial No. 172,212; published May 29, 1923.

Cleveland Wire Spring Company, doing business as Ohio Spring Bed Company, Cleveland, Ohio. Bed springs. 172,305; Aug. 28; Serial No. 175,466; published May 15, 1923.

Clifton Laboratories. (See Reed, Charles A. L.)

Coffin, Geo. E., Shoe Co., Lynn, Mass. Leather shoes. 172,504; Aug. 28.

Cohen, Harry H., doing business as Headcraft Cap Mfg. Co., Dallas, Tex. Caps. 172,505; Aug. 28.

Columbus Auto Parts Company, The, Columbus, Ohio. Connecting and cross or tie rods or tubes for use in steering mechanisms of motor-driven vehicles. 172,500; Aug. 28.

Connecticut Telephone & Electric Company, Incorporated, The, Meriden, Conn. Electron tubes, sockets for electron tubes, rheostats, etc. 172,319; Aug. 28; Serial No. 176,400; published May 29, 1923.

Conner, Geo. W., Boston, Mass. Metal-fixture canopies. 172,222; Aug. 28; Serial No. 174,234; published May 29, 1923.

Consolidated Rendering Co., Boston, Mass. Oleo, oleo oil, and shortening. 172,462; Aug. 28; Serial No. 162,723; published May 8, 1923.

Consolidated Tool Works, Inc., New York, N. Y. Hacksaw frames and coping-saw frames. 172,262; Aug. 28; Serial No. 176,883; published May 29, 1923.

Coulter, Maud D., Los Angeles, Calif. Bread, biscuits, cake, cookies, cinnamon rolls, etc. 172,477; Aug. 28; Serial No. 173,180; published May 1, 1923.

Cowman, Edward C., Bellefontaine, Ohio. Antiseptic lotion. 172,487; Aug. 28.

Crofut & Knapp Co., The, South Norwalk, Conn. Caps and hats for men and women. 172,508; Aug. 28.

Davis, Paul P., doing business as Ucoline Products Co., Cincinnati, Ohio. Hair tonic. 172,230; Aug. 28; Serial No. 174,690; published May 15, 1923.

Dean, O. W., Company, The, Benton Harbor, Mich. Medicine for use in the treatment of ailments of the liver, stomach, and bowels, and as a blood purifier. 172,233; Aug. 28; Serial No. 174,958; published May 15, 1923.

Deane Plaster Co., The, Yonkers, N. Y. Antiseptic dressings, gauzes, cottons, and bandages. 172,423; Aug. 28; Serial No. 175,347; published May 29, 1923.

Decorators Wall Paper Co. (See Webster, Harry W.)

De Long Hook and Eye Company, The, Philadelphia, Pa. Hooks and eyes, snap fasteners, safety pins, etc. 172,244; Aug. 28; Serial No. 161,767; published May 22, 1923.

De Long Hook and Eye Company, The, Philadelphia, Pa. Hooks and eyes, snap fasteners, and safety pins. 172,248; Aug. 28; Serial No. 159,351; published May 22, 1923.

Detroit City Gas Co., Detroit, Mich. Domestic gas ranges. 172,278; Aug. 28; Serial No. 170,128; published May 29, 1923.

De Zon, Florie, Detroit, Mich. Preparation for the treatment of hair and scalp. 172,363; Aug. 28; Serial No. 174,130; published May 15, 1923.

Donaldson & Co. (See Griffiths, David R.)

Duncan, Fox & Co., Inc., New York, N. Y. Baled raw cotton. 172,512; Aug. 28.

Du Pont, E. I., de Nemours & Company, Wilmington, Del. Hand mirrors, picture frames. 172,386; Aug. 28; Serial No. 170,239; published May 8, 1923.

Edgar Chemical Company, The, Cleveland, Ohio. Liniments. 172,375; Aug. 28; Serial No. 157,417; published May 1, 1923.

Edison, Thomas A., Incorporated, West Orange, N. J. Devices for controlling the starting and stopping of phonographic apparatus. 172,259; Aug. 28; Serial No. 139,518; published May 15, 1923.

Elkton Lithia Bottling Company. (See Flory, I. L.)

Etzel, Alfred C., Highland Mills, N. Y. Cattle, leghorns, milk goats, and eggs. 172,480; Aug. 28.

Eureka Specialty Printing Company, Incorporated, Scranton, Pa. Paper for trading stamps, coupons, safety paper, etc. 172,309; Aug. 28; Serial No. 178,240; published May 29, 1923.

Fair, The, Chicago, Ill. Children's undergarments. 172,402; Aug. 28; Serial No. 164,882; published Oct. 31, 1922.

Federal Rubber Company of Illinois, The, Chicago, Ill., and Cudahy, Wis. Casings, tires, hose, tubing, reliners, etc., all made wholly or partly of rubber. 172,277; Aug. 28; Serial No. 170,760; published May 22, 1923.

Federal Underwear Co., New York, N. Y. Infants' coats. 172,206; Aug. 28; Serial No. 171,837; published May 29, 1923.

Ferguson Manufacturing Company, The, Suffolk, Va. Sprayers for spraying vegetation. 172,306; Aug. 28; Serial No. 173,479; published May 29, 1923.

Fischer, Albert C., Chicago, Ill. Self-adhering fabrics for weatherproofing roofs, sidings, and other building structures. 172,499; Aug. 28.

Fisher, G. H., & Co., Glendale, N. Y. Variometers and variocouplers. 172,308; Aug. 28; Serial No. 175,549; published May 29, 1923.

Fisk Rubber Company, The, Chicopee Falls, Mass. Vehicle tires and rubber tubes therefor. 172,443; Aug. 28; Serial No. 171,454; published May 29, 1923.

First Aid Specialty Company, Inc., New York, N. Y. Medical and surgical appliances. 172,265; Aug. 28; Serial No. 177,177; published May 29, 1923.

Fitchburg Machine Works. (See Meteor Mixing Machine Co., assignor.)

Flapper Novelty Doll Co. (See Worrell, Lola C.)

Flory, I. L., doing business as Elkton Lithia Bottling Company, Elkton, Va. Ginger ale. 172,231; Aug. 28; Serial No. 174,692; published May 29, 1923.

Fouke Fur Company, St. Louis, Mo. Chemical deodorizing preparation. 172,352; Aug. 28; Serial No. 173,325; published May 15, 1923.

Franklin Paint Company, The, Cleveland, Ohio. Asbestos liquid roof coating in the nature of a paint. 172,374; Aug. 28; Serial No. 158,038; published Oct. 3, 1922.

Garten, Elmer A., Hinton, W. Va. Composition for stopping leaks in tires and for preserving rubber. 172,260; Aug. 28; Serial No. 136,626; published May 29, 1923.

General Baking Company, New York, N. Y. Bread. 172,460; Aug. 28; Serial No. 160,056; published May 8, 1923.

General Electric Company, Schenectady, N. Y. Electric motors. 172,367; Aug. 28; Serial No. 161,182; published May 29, 1923.

Giocalas, Th., & V. Coyimzoglu, New York, N. Y. Dates. 172,219; Aug. 28; Serial No. 174,435; published May 29, 1923.

Glassmire, Sara R., doing business as Wm. Glassmire's, Philadelphia, Pa. Hair lotions and skin creams. 172,350; Aug. 28; Serial No. 173,283; published May 15, 1923.

Globe Import Co. (See Richter, Julius.)

Goethel, Alfred C., Co., Milwaukee, Wis. Dust collectors. 172,250; Aug. 28; Serial No. 157,369; published May 29, 1923.

Goldenola Talking Machine Co., Los Angeles, Calif. Phonographs. 172,407; Aug. 28; Serial No. 174,732; published May 15, 1923.

Gordon, Joseph P., doing business as The Health Buckle Belt Co., Rockford, Ill. Belts. 172,509; Aug. 28.

Gordon, Mac, doing business as Saigo Varnish Works, New York, N. Y. Varnish. 172,414; Aug. 28; Serial No. 178,721; published May 29, 1923.

Gorton, Charles W., doing business as Wesco Sales Agency, Los Angeles, Calif. Shock absorbers. 172,510; Aug. 28.

Gosney, Cyrus W., Oakland, Calif. Pies, cakes, bread, and pastries. 172,463; Aug. 28; Serial No. 169,757; published May 8, 1923.

Gotham Aseptic Laboratories. (See Radetzky, Abraham.)

Grant Watkins Co., Inc., Boston, Mass. Cleansing and finishing cream, toilet waters, perfumes, sachet powder, etc. 172,356; Aug. 28; Serial No. 173,483; published May 15, 1923.

Green & Green Company, The, Dayton and Cincinnati, Ohio. Crackers and cakes and cracker meal. 172,458; Aug. 28; Serial No. 158,772; published May 15, 1923.

Griffiths, David R., doing business as Donaldson & Co., Glasgow, Scotland. Golf clubs, balls, bags, irons, and tees. 172,302; Aug. 28; Serial No. 175,390; published May 29, 1923.

H. S. B. W.-Cochrane Corporation, Philadelphia, Pa. Zeolites and base-exchange water-softening agents. 172,360; Aug. 28; Serial No. 173,888; published Apr. 17, 1923.

Hall, J. C., Company, The, Providence, R. I. Paper used for printing bonds, checks, drafts, and similar commercial use. 172,406; Aug. 28; Serial No. 174,616; published May 29, 1923.

Hamaguchi, Gihei, Unakami Gun, Chiba Ken, Japan. Tamari, vinegar, extract of soy, extract of tamari, sauces, and soy. 172,218; Aug. 28; Serial No. 174,434; published May 29, 1923.

Hamersley Manufacturing Company, The, New York, N. Y. Waxed paper. 172,417; Aug. 28; Serial No. 178,920; published May 29, 1923.

Haren Perfume Co. (See Sakele, Geo. A.)

Harley, E. C., Company, The, Dayton, Ohio. Toilet creams, perfumes, toilet waters, face powders, etc. 172,395–6; Aug. 28; Serial Nos. 167,397–8; published Jan. 23, 1923.

Harrow-Taylor Butter Co., Kansas City, Mo. Creamery butter. 172,466; Aug. 28; Serial No. 170,328; published May 8, 1923.

Headcraft Cap Mfg. Co. (See Cohen, Harry H.)

Health Buckle Belt Co. (See Gordon, Joseph P.)

Heller, B., & Company, Chicago, Ill. Chemical preparations used in the curing of meat. 172,347; Aug. 28; Serial No. 172,992; published May 15, 1923.

Henry & Allen, Auburn, N. Y. Repair parts for agricultural machinery and implements. 172,311; Aug. 28; Serial No. 175,790; published May 29, 1923.

Hercules Carboy Box Company, Newark, N. J. Receptacles for carboys. 172,411; Aug. 28; Serial No. 178,342; published May 29, 1923.

Hercules Powder Company, Wilmington, Del. Compounded oil. 172,326; Aug. 28; Serial No. 176,834; published May 8, 1923.

Herman, Joseph F., doing business as Herman Manufacturing Company, Washington, D. C. Chain connectors. 172,482; Aug. 28.

Hiller, Stanley, Inc., San Jose, Calif. Waste saving machinery and apparatus. 172,446; Aug. 28; Serial No. 171,712; published May 29, 1923.

Hirsch, Walter J., Company, Chicago, Ill. Ice-cream cones. 172,203; Aug. 28; Serial No. 172,534; published May 29, 1923.

Holyoke Company, The, Holyoke, Mass. Wires for millinery and personal use and straw braids. 172,261; Aug. 28; Serial No. 132,740; published May 22, 1923.

Hooper, Wm. E., & Sons Co., Woodberry, Md. Woven belting, hose-valve packing, etc. 172,285; Aug. 28; Serial No. 168,152; published May 29, 1923.

Horne Manufacturing Co., Jersey City, N. J. Radio receiving sets and parts thereof. 172,403; Aug. 28; Serial No. 164,317; published May 29, 1923.

Hoy, F. P., Inc., New York, N. Y. Corsets. 172,279; Aug. 28; Serial No. 160,972; published May 29, 1923.

Hunt-Rankin Leather Co., Boston, Mass. Leathers. 172,405; Aug. 28; Serial No. 174,450; published May 29, 1923.

Hurst, John E., & Co. Incorporated, Baltimore, Md. Hosiery, knitted underwear, gloves, mittens, gauntlets. 172,209; Aug. 28; Serial No. 173,327; published May 29, 1923.

Huston, T. A., & Co., Portland, Me. Bakery products, specifically cookies and confectionery. 172,470; Aug. 28; Serial No. 171,696; published May 8, 1923.

I. & Y. Cigar Company. (See Yereshefsky, Isidore.)

Ideal Cocoa & Chocolate Co., Lititz, Pa., and New York, N. Y. Chocolate coating. 172,408; Aug. 28; Serial No. 174,741; published May 29, 1923.

Ideal Cocoa & Chocolate Co., Lititz, Pa., and New York, N. Y. Chocolate coating. 172,409; Aug. 28; Serial No. 174,781; published May 29, 1923.

Ideal Cocoa & Chocolate Co., Lititz, Pa., and New York, N. Y. Chocolate coating. 172,419; Aug. 28; Serial No. 174,782; published May 29, 1923.

Illinois Electric Porcelain Company, Macomb, Ill. Insulators and knobs. 172,397; Aug. 28; Serial No. 167,354; published May 29, 1923.

Illinois Medicine Co., Chicago, Ill. Cathartic medical compound. 172,391; Aug. 28; Serial No. 168,313; published May 1, 1923.

International Bedding Co. Inc., Baltimore, Md. Box springs. 172,404; Aug. 28; Serial No. 164,049; published May 15, 1923.

Iowa Packing Co., Des Moines, Iowa. Smoked meats, dried beef, sausage, ham, bacon, lard, and butter. 172,461; Aug. 28; Serial No. 160,290; published May 1, 1923.

Jaenecke-Ault Company, Newark, N. J. Printing inks. 172,430–1; Aug. 28; Serial Nos. 176,740–1; published May 15, 1923.

James, John, & Sons Limited, Redditch, England. Needles for hand sewing. 172,298; Aug. 28; Serial No. 178,104; published May 22, 1923.

Jordan Marsh Company, Boston, Mass. Golf balls. 172,339; Aug. 28; Serial No. 178,923; published May 29, 1923.

Kee Lox Manufacturing Company, Rochester, N. Y. Carbon paper. 172,268; Aug. 28; Serial No. 177,384; published May 15, 1923.

Kehlor Flour Mills Company, St. Louis, Mo. Wheat flour. 172,447; Aug. 28; Serial No. 171,927; published May 1, 1923.

Kellom, Charles F., doing business as Chas. F. Kellom & Co., Philadelphia, Pa. Crude oil, gasoline, and kerosene. 172,366; Aug. 28; Serial No. 161,840; published May 29, 1923.

Kelsey, Arthur T., Mecklenburg, N. Y. Wheat, Graham, and buckwheat flour and corn meal. 172,492; Aug. 28.

Kerite Insulated Wire & Cable Company, Inc., The, Seymour, Conn., and New York, N. Y. Insulated wire and cables. 172,336; Aug. 28; Serial No. 178,107; published May 29, 1923.

Killian, W. H., Co., The, Baltimore, Md. Foodstuffs preserved in hermetically-sealed containers. 172,287; Aug. 28; Serial No. 167,179; published May 8, 1923.

Kirby, Beard & Co., Ltd., Birmingham, England. Pins and hairpins of nonprecious metal and hand sewing needles. 172,448; Aug. 28; Serial No. 172,228; published May 1, 1923.

Kirby, Beard & Co., Ltd., Birmingham, England. Pins and hairpins of nonprecious metals. 172,449; Aug. 28; Serial No. 172,229; published May 1, 1923.

Kirby, Beard & Co., Ltd., Birmingham, England. Pins of nonprecious metal. 172,450; Aug. 28; Serial No. 172,230; published May 1, 1923.

Kirby, Beard & Co., Ltd., Birmingham, England. Pins and hairpins and hand sewing needles. 172,457; Aug. 28; Serial No. 172,681; published May 1, 1923.

Krause, Robt., Co., The, Davenport, Iowa. Overalls, shirts, pants or trousers, coats, etc. 172,275; Aug. 28; Serial No. 171,701; published May 29, 1923.

Laboratory Specialty Company, The, Cincinnati, Ohio. Toilet preparations. 172,382; Aug. 28; Serial No. 141,229; published May 15, 1923.

Lapres, Theo. J., Inc., Atlantic City, N. J. Salt-water taffy. 172,286; Aug. 28; Serial No. 167,777; published May 29, 1923.

Lawrenceburg Roller Mills Co., Lawrenceburg, Ind. Self-rising flour. 172,467–8; Aug. 28; Serial Nos. 170,772–3; published May 8, 1923.

Lawton, Thomas, New York, N. Y. Devices for massaging or exercising the human body. 172,274; Aug. 28; Serial No. 177,851; published May 29, 1923.

Lefebvre, George E., Cleveland, Ohio. Saxophone and clarinet reeds. 172,428; Aug. 28; Serial No. 176,195; published May 15, 1923.

McBride, James P., Brooklyn, N. Y. Tools for kitchen use in the handling of hot articles. 172,424; Aug. 28; Serial No. 175,364; published May 29, 1923.

McLaurin-Jones Co., Brookfield, Mass. Coated paper to be printed or lithographed. 172,415; Aug. 28; Serial No. 178,761; published May 22, 1923.

Mantschappij tot Exploitatie van Rademaker's Koninklijke Cacao en Chocoladefabrieken, The Hague, Netherlands. Chocolate candy. 172,288; Aug. 28; Serial No. 166,533; published May 1, 1923.

Magnavox Company, The, Oakland, Calif. Electrical sound amplifiers for phonographs. 172,253; Aug. 28; Serial No. 155,823; published May 8, 1923.

Marinette Electric Corporation, Marinette, Wis. Phones for use with radio apparatus. 172,323; Aug. 28; Serial No. 176,635; published May 29, 1923.

Marvel Products Company, The, Cleveland, Ohio. Gasoline and liquid gauges. 172,273; Aug. 28; Serial No. 177,682; published May 29, 1923.

Master Radio Corporation, Los Angeles, Calif. Radiotelephone attachments. 172,444; Aug. 28; Serial No. 171,544; published May 29, 1923.

Masuda, Tomekechi, doing business as Nippon Tea Co., Cleveland, Ohio. Tea, coffee, rice, and extracts for seasoning foods. 172,459; Aug. 28; Serial No. 159,518; published May 8, 1923.

May Hosiery Mills, doing business as Anti-Darn Hosiery Mills, Nashville, Tenn. Hosiery. 172,215; Aug. 28; Serial No. 173,843; published May 29, 1923.

Medicraft Company, The, Cleveland, Ohio. Facial creams. 172,355; Aug. 28; Serial No. 173,433; published May 15, 1923.

Menihan Company, The, doing business as Arch Aid Shoe Co., Rochester, N. Y. Leather shoes. 172,293; Aug. 28; Serial No. 165,259; published Dec. 19, 1922.

Mentholatum Company, The, Wichita, Kans., and Buffalo, N. Y. Preparation for repelling mosquitoes. 172,452; Aug. 28; Serial No. 172,386; published May 15, 1923.

Meteor Mixing Machine Co., Inc., New York, N. Y., assignor to Fitchburg Machine Works, Fitchburg, Mass. Food-mixing machines and parts thereof. 172,220; Aug. 28; Serial No. 170,441; published Apr. 17, 1923.

Midland Flour Milling Co., The, Kansas City, Mo. Wheat flour. 172,436; Aug. 28; Serial No. 173,655; published May 8, 1923.

Miller-Caldan Company, Minneapolis, Minn. Chocolate-coated doughnut. 172,439; Aug. 28; Serial No. 171,228; published May 1, 1923.

Milo Silk Hosiery Mills, Newark, N. J. Hosiery. 172,216; Aug. 28; Serial No. 173,973; published May 29, 1923.

Montague, W. R., Company, The, La Crosse, Wis. Cracker products and dutch-style cookies. 172,438; Aug. 28; Serial No. 171,098; published May 1, 1923.

Morgen, Abraham H., doing business as Wiz Dress Company, New York, N. Y. Women's, misses', and children's dresses. 172,432; Aug. 28; Serial No. 176,753; published May 29, 1923.

Morris Golf Ball Manufacturing Company, Wimbledon, England. Golf balls. 172,328; Aug. 28; Serial No. 177,098; published May 29, 1923.

Mouquin Restaurant and Wine Company, Limited, The, New York, N. Y. Beverages sold as soft drinks and sirups for making same. 172,824; Aug. 28; Serial No. 176,686; published May 29, 1923.

Murray Company, The, Dallas, Tex. Cotton gins and cotton-gin machinery. 172,320; Aug. 28; Serial No. 176,419; published May 29, 1923.

National Almond Products Co. Inc., Brooklyn, N. Y. Almond paste, almonds, blanched peanuts, etc. 172,254; Aug. 28; Serial No. 155,513; published May 29, 1923.

National Refining Company, The, Cleveland, Ohio. Lubricating grease. 172,245; Aug. 28; Serial No. 161,695; published May 29, 1923.

Naumann, Fredrick M., doing business as F. M. Naumann Company, Cleveland, Ohio. Antiseptic for the prevention of venereal diseases. 172,377; Aug. 28; Serial No. 156,105; published Apr. 3, 1923.

Nelson Bead Company, New York, N. Y. Beads. 172,236; Aug. 28; Serial No. 175,151; published May 8, 1923.

New England Bakery Company, Somerville, Mass. Bread. 172,478; Aug. 28.

Newton, Chambers & Co. Limited, near Sheffield, England. Apparatus for generating and diffusing vaporized germicides or disinfectants. 172,296; Aug. 28; Serial No. 177,922; published May 29, 1923.

Newton Line Company Incorporated, Homer, N. Y. Fishing lines. 172,484–5; Aug. 28.

Newton Line Company Incorporated, Homer, N. Y. Fishing lines. 172,486; Aug. 28.

Newton Line Company Incorporated, Homer, N. Y. Fishing lines. 172,497; Aug. 28.

New Zealand Refrigerating Company Limited, The, Christchurch, New Zealand. Wool. 172,246; Aug. 28; Serial No. 161,380; published May 29, 1923.

Nichols, F. & H., Nutley, N. J. Spark plugs. 172,329; Aug. 28; Serial No. 177,101; published May 29, 1923.

Nightrack Manufacturing Company, Huntington, W. Va. Costumer. 172,364; Aug. 28; Serial No. 174,185; published May 1, 1923.

Nippon Tea Co. (See Masuda, Tomekechi.)

Nitrose Company, Peoria, Ill. Ready-mixed or paste paint. 172,247; Aug. 28; Serial No. 159,690½; published May 29, 1923.

Northwestern Blaugas Company, St. Paul, Minn. Naphthalene solvent for gas mains and services. 172,376; Aug. 28; Serial No. 156,593; published May 15, 1923.

Ohio Spring Bed Company. (See Cleveland Wire Spring Company.)

Old Master Color Co., Provincetown, Mass. Tubed artist oil paints, water colors, etc. 172,217; Aug. 28; Serial No. 174,025; published May 29, 1923.

Orchard Paper Company, St. Louis, Mo. Twine. 172,340; Aug. 28; Serial No. 179,053; published May 29, 1923.

Original Ry-Krisp Co., The, Minneapolis, Minn. Bread. 172,490; Aug. 28.

Overland Pharmacy Co., Boise, Idaho. Natural clay prepared for use in cleansing the skin and pores. 172,392; Aug. 28; Serial No. 168,121; published May 15, 1923.

Pacquin, Inc., New York, N. Y. Skin-cleansing tonic and massage cream. 172,371; Aug. 28; Serial No. 159,813; published Oct. 10, 1922.

Palmer-Bee Company, Detroit, Mich. Speed reducers, shaft couplings, friction clutches, hoists, etc. 172,318; Aug. 28; Serial No. 176,354; published May 29, 1923.

Parke, Davis & Company, Detroit, Mich. Anesthetic cream. 172,227; Aug. 28; Serial No. 174,632; published May 1, 1923.

Parke, Davis & Company, Detroit, Mich. Antiseptic mouth wash and gargle. 172,228; Aug. 28; Serial No. 174,633; published May 1, 1923.

Parke, Davis & Company, Detroit, Mich. Preparation for treatment of cholelithiasis and allied conditions. 172,229; Aug. 28; Serial No. 174,634; published May 1, 1923.

Parker-Bridget Company, Washington, D. C. Men's neckties. 172,280; Aug. 28; Serial No. 169,818; published May 29, 1923.

Peart, Harold A., doing business as Sprague & Carleton, Keene, N. H. Porch chairs, porch rockers, and settees. 172,372–3; Aug. 28; Serial No. 158,645–6; published May 15, 1923.

Peppers, Thomas H., Los Angeles, Calif. Cantaloupes, fresh citrous fruits, and grapes. 172,501; Aug. 28.

Perceval, C., New York, N. Y. Lard, vinegar, olives, pickles, sauerkraut, olive oil, etc. 172,464; Aug. 28; Serial No. 169,819; published May 1, 1923.

Perkins & Butler, Inc., Worcester, Mass. Toilet paper. 172,297; Aug. 28; Serial No. 177,990; published May 29, 1923.

Pfau's American Instruments Co., New York, N. Y. Medical and surgical appliances. 172,422; Aug. 28; Serial No. 175,025; published May 15, 1923.

Phillips & Hart, Jacksonville, Fla. Hosiery. 172,207; Aug. 28; Serial No. 173,297; published May 29, 1923.

Phospho-Albumen Company, Inc., The, Newburgh, N. Y. Pharmaceutical preparation. 172,223; Aug. 28; Serial No. 174,258; published Apr. 24, 1923.

Pillsbury Flour Mills Company, Minneapolis, Minn. Semolina. 172,495–6; Aug. 28.

Pohlmann, Herman G., Chicago, Ill. Writing paper. 172,257; Aug. 28; Serial No. 148,851; published May 29, 1923.

Postum Cereal Company, Incorporated, New York, N. Y., and Battle Creek, Mich. Cereal breakfast foods. 172,234; Aug. 28; Serial No. 174,976; published May 15, 1923.

Potter, C. D., Co., The, Stamford, Conn. Radio equipment. 172,304; Aug. 28; Serial No. 175,437; published May 29, 1923.

Potter-Wrightington, Inc., Boston, Mass. Bran for use in making bakery products. 172,469; Aug. 28; Serial No. 171,467; published May 8, 1923.

Premier Cutlery, Inc., New York, N. Y. Certain kinds of cutlery of base metal. 172,249; Aug. 28; Serial No. 159,049; published May 29, 1923.

Proud's Portolive Co., Seattle, Wash., and Los Angeles, Calif. Tonic. 172,458; Aug. 28; Serial No. 172,615; published May 15, 1923.

Pyrene Manufacturing Co., Newark, N. J. Temperature-indicating device for gas engines. 172,426; Aug. 28; Serial No. 175,736; published May 29, 1923.

Queen City Printing Ink Company, The, Cincinnati, Ohio. Printing inks. 172,272; Aug. 28; Serial No. 177,619; published May 15, 1923.

Queen City Printing Ink Company, The, Cincinnati, Ohio. Printing inks. 172,294–5; Aug. 28; Serial Nos. 177,865–6; published May 15, 1923.

Raden Bros., New York, N. Y. Snap fasteners. 172,383; Aug. 28; Serial No. 138,606; published Mar. 8, 1921.

Radetzky, Abraham, doing business as Gotham Aseptic Laboratories, New York, N. Y. Absorbent cotton, gauze, etc. 172,394; Aug. 28; Serial No. 167,535; published Mar. 27, 1923.

Radio Mineral Company, Newark, N. J. Crystals or minerals for use in wireless telegraphy and wireless telephony apparatus. 172,337; Aug. 28; Serial No. 178,281; published May 29, 1923.

Ralston Purina Company, St. Louis, Mo. Poultry feed. 172,437; Aug. 28; Serial No. 173,722; published May 8, 1923.

Raymond, Philip, Boston, Mass. Medicine used in the treatment of asthma, bronchitis, etc. 172,357; Aug. 28; Serial No. 173,532; published May 15, 1923.

Red Star Milling Company, The, Wichita, Kans. Wheat flour. 172,472; Aug. 28; Serial No. 172,173; published May 8, 1923.

Reed, Charles A. L., doing business as Clifton Laboratories, Cincinnati, Ohio. Dentifrice and prophylactic paste. 172,222; Aug. 28; Serial No. 174,860; published May 15, 1923.

Richardson Dry Goods Company, St. Joseph, Mo. House dresses and aprons. 172,208; Aug. 28; Serial No. 173,301; published May 29, 1923.

Richter, Julius, doing business as Globe Import Co., New York, N. Y. Manicure sets, including scissors and cuticles. 172,412; Aug. 28; Serial No. 178,627; published May 29, 1923.

Rieser Company, The, New York, N. Y. Lip sticks, face powders, rouge, etc. 172,378; Aug. 28; Serial No. 155,449; published Feb. 21, 1922.

Rock Lick Smokeless Coal Company, Beckley, W. Va. Coal. 172,421; Aug. 28; Serial No. 174,977; published May 29, 1923.

Roesze, Ralph. (See Rose, Ralph.)

Roos, Ed., Company of Forest Park, Forest Park, Ill. Cedar chest. 172,359; Aug. 28; Serial No. 173,675; published May 1, 1923.

Rose, Ralph, doing business as Ralph Roesze, Zion City, Ill. Chemical, medical, and pharmaceutical preparation for removing hair from the human body. 172,351; Aug. 28; Serial No. 173,299; published May 1, 1923.

Ruckstell Sales & Manufacturing Company, Berkeley, Calif. Transmissions and axles for self-propelled vehicles. 172,511; Aug. 28.

Rusonite Products Corporation, New York, N. Y. Radio rectifiers and cat whiskers. 172,309; Aug. 28; Serial No. 175,739; published May 29, 1923.

Russell Playing Card Co., Millitown, N. J. Playing cards. 172,312; Aug. 28; Serial No. 175,948; published May 29, 1923.

Sachs Shoe Manufacturing Company, The, Cincinnati, Ohio. Shoes made of leather and combinations of leather and fabric. 172,276; Aug. 28; Serial No. 170,993; published May 29, 1923.

Saigo Varnish Works. (See Gordon, Mac.)

Sakle, Geo. A., doing business as Harem Perfume Co., New York, N. Y. Perfumes. 172,240; Aug. 28; Serial No. 175,373; published May 15, 1923.

Salt's Textile Manufacturing Company, The, Bridgeport, Conn., and New York, N. Y. Women's, children's, and infants' coats, cloaks, suits, etc. 172,212; Aug. 28; Serial No. 173,676; published May 29, 1923.

Sayre-Level Radio Company, The, Philadelphia, Pa. Radio apparatus. 172,310; Aug. 28; Serial No. 175,741; published May 29, 1923.

Schmidt, Joseph F., Brooklyn, N. Y. Candies and eating chocolates. 172,241; Aug. 28; Serial No. 164,729; published Dec. 19, 1922.

Schnezler, Heinrich, Schaffhausen, Switzerland. Hand and foot balls of rubber. 172,385; Aug. 28; Serial No. 170,342; published May 29, 1923.

Scianna, Gustino, Lafayette, La. Preparation for rheumatism and pains, cramps, cuts, and sores. 172,345; Aug. 28; Serial No. 172,688; published May 1, 1923.

Sears, Roebuck and Co., Chicago, Ill. Safety pins 172,237; Aug. 28; Serial No. 175,215; published May 8, 1923.

Sears, Roebuck and Co., Chicago, Ill. Talcum powders. 172,238; Aug. 28; Serial No. 175,275; published May 22, 1923.

Sebastian Packing Co. (See Carroll, J. Pratt, Inc.)

Seiberling Rubber Company, Akron, Ohio. Elastic vehicle tires, auto tire flaps, reliners, etc. 172,503; Aug. 28.

Seigenberg & Sher, Los Angeles, Calif. Dolls. 172,341; Aug. 28; Serial No. 179,062; published May 29, 1923.

Selker, J. W., Cigar Co., Clarion, Pa. Cigars. 172,440; Aug. 28; Serial No. 171,338; published Jan. 16, 1923.

Shirt Snubers Company, The, Toledo, Ohio. Devices for preventing shirts from creeping up. 172,322; Aug. 28; Serial No. 176,577; published May 8, 1923.

Shope Brick Company, Portland, Oreg. Bricks and tiles. 172,498; Aug. 28.

Simonds Saw and Steel Company, Fitchburg, Mass. Saws. 172,313–14; Aug. 28; Serial Nos. 175,957–8; published May 29, 1923.

Simonds Saw and Steel Company, Fitchburg, Mass. Saws. 172,316; Aug. 28; Serial Nos. 176,000; published May 29, 1923.

Smiley Company, The, Des Moines, Iowa. Medicine used in the treatment of diphtheria. 172,224; Aug. 28; Serial No. 174,342; published May 15, 1923.

Smith, C. B., & Bro. (See Smith, Francis S.)

Smith, Francis S., doing business as C. B. Smith & Bro., Boston, Mass. Coffee. 172,255; Aug. 28; Serial No. 153,480; published May 22, 1923.

Societe Vinicole De Champagne, Paris, France. Champagne wine. 172,400; Aug. 28; Serial No. 165,214; published May 29, 1923.

Solomia (1922), Limited, London, England. Insecticide. 172,225; Aug. 28; Serial No. 174,343; published May 15, 1923.

Sprague & Carleton. (See Peart, Harold A.)

Spurgin Manufacturing Company, Chicago, Ill. Currency straps of $500 denominations. 172,271; Aug. 28; Serial No. 177,575; published May 29, 1923.

St. Louis Brass Manufacturing Company, St. Louis, Mo. Electrical lighting fixtures. 172,317; Aug. 28; Serial No. 176,226; published May 29, 1923.

Stanard-Tilton Milling Co., St. Louis, Mo. Wheat flour. 172,481; Aug. 28.

Standard Biscuit Company, Des Moines, Iowa. Crackers. 172,489; Aug. 28.

Standard Silk Dyeing Co., Paterson, N. J. Silk piece goods. 172,483; Aug. 28.

Starr, Daniel, doing business as Starr Knitting Mill, Brooklyn, N. Y. Knit sweaters. 172,281; Aug. 28; Serial No. 169,141; published May 29, 1923.

Stavros, James E., West Orange, N. J. Ointment for rheumatism. 172,387; Aug. 28; Serial No. 169,936; published May 1, 1923.

Stearns & Foster Company, The, Lockland, Ohio. Mattresses. 172,370; Aug. 28; Serial No. 160,094; published May 8, 1923.

Stewart Corporation, Chicago, Ill. Writing and drawing surfaces. 172,416; Aug. 28; Serial No. 178,879; published May 29, 1923.

Sunset Feather Co., San Francisco, Calif. Pillows and cushions. 172,346; Aug. 28; Serial No. 172,911; published May 1, 1923.

Syndicat pour l'Exploitation des Machines à Fabriquer les Cigares Brevets Cornells, Antwerp, Belgium. Cigar making machines. 172,493; Aug. 28.

Temtor Corn & Fruit Products Co., St. Louis, Mo. Maple-flavor sirup, sorghum with corn sirup, cherry and blackberry preserves, etc. 172,258; Aug. 28; Serial No. 145,179; published Aug. 2, 1921.

Thomson-Crooker Shoe Company, Boston, Mass. Shoes. 172,282; Aug. 28; Serial No. 169,037; published Dec. 19, 1922.

Thurman, William H., Van Buren, Ark. Mineral water. 172,303; Aug. 28; Serial No. 175,415; published May 29, 1923.

Tioga Mill & Elevator Co., Waverly, N. Y. Poultry feed. 172,424; Aug. 28; Serial No. 173,687; published May 8, 1923.

Tip Top Baking Co., Louisville, Ky. Bread. 172,494; Aug. 28.

Tobias, Julius, & Bro., Boston, Mass. Hats for women. 172,292; Aug. 28; Serial No. 165,898; published May 29, 1923.

Tomlinson, George E., Winchester, Ky. Take-down tables. 172,362; Aug. 28; Serial No. 173,943; published May 1, 1923.

Torrey, Julia W., New York, N. Y. Toy dolls and animals. 172,361; Aug. 28; Serial No. 173,907; published May 29, 1923.

Town Talk Mfg. Co. Incorporated, Louisville, Ky. Adjustable caps. 172,507; Aug. 28.

Turnit Oven Company, The, Philadelphia, Pa. Oven slides. 172,502; Aug. 28.

Tyler, F. J., Bethel, Me. Canned corn. 172,243; Aug. 28; Serial No. 162,328; published Apr. 24, 1923.

U. S. Hame Company, Buffalo, N. Y. Hame trimmings and saddlery hardware. 172,410; Aug. 28; Serial No. 178,311; published May 29, 1923.

U. S. Sanitary Specialties Corporation, Chicago, Ill. Deodorant and disinfectant. 172,358; Aug. 28; Serial No. 173,544; published May 1, 1923.

Ubs, Mike, Elgin, Nebr. Medicine for treatment of rheumatism, kidney, liver, and stomach trouble, etc. 172,418; Aug. 28.

Ucoline Products Co. (See Davis, Paul P.)

Unit Construction Company, Philadelphia, Pa. Portable sectional partitions of wood and glass. 172,379–80; Aug. 28; Serial Nos. 152,048–9; published May 1, 1923.

Unkefer, Geo. R., Inc., Chicago, Ill. Oil used in making ready-mixed enamels and paints. 172,201; Aug. 28; Serial No. 172,135; published May 29, 1923.

Utasal Company, The. (See Zucker, Nathan S.)

Wabasha Roller Mill Company, Wabasha, Minn. Wheat flour. 172,476; Aug. 28; Serial No. 172,918; published May 8, 1923.

Ward Baking Company, New York, N. Y. Bread. 172,442; Aug. 28; Serial No. 171,436; published May 1, 1923.

Warland, Henry G., New York, N. Y. Men's and women's sport clothes. 172,211; Aug. 28; Serial No. 173,457; published May 29, 1923.

Webster, Harry W., doing business as Decorators Wall Paper Co., Toledo, Ohio. Paints, putty, linseed oil, and turpentine, etc. 172,368; Aug. 28; Serial No. 160,908; published Apr. 3, 1923.

Wells-Treister Co., Inc., New York, N. Y. Fur coats, wraps, capes, scarfs, neckpieces, and muffs. 172,205; Aug. 28; Serial No. 172,699; published May 29, 1923.

Wesco Sales Agency. (See Gorton, Charles W.)

West Virginia Pulp & Paper Company, New York, N. Y. Book and wrapping paper. 172,266; Aug. 28; Serial No. 177,256; published May 29, 1923.

Westchester Bottling Works, New Rochelle, N. Y. Beverages sold as soft drinks and sirups for making same. 172,325; Aug. 28; Serial No. 176,700; published May 29, 1923.

Wester Brothers, New York, N. Y. Cutlery. 172,251; Aug. 28; Serial No. 156,206; published May 29, 1923.

Weymann, H. A., & Son, Inc., Philadelphia, Pa. Stringed musical instruments, parts, and strings therefor. 172,269–70; Aug. 28; Serial Nos. 177,534–5; published May 15, 1923.

White Cap Battery Mfg. Co., Owensboro, Ky. Storage batteries. 172,330; Aug. 28; Serial No. 177,157; published May 29, 1923.

Whitney Metal Tool Company, Rockford, Ill. Metal-punching tools and dies. 172,425; Aug. 28; Serial No. 175,586; published May 29, 1923.

Wiegand, William D., doing business as Bureau of Formulas, Baltimore, Md. Insecticide, deodorant, and disinfectant. 172,441; Aug. 28; Serial No. 171,395; published May 15, 1923.

Wing Lee Wai Company, San Francisco, Calif. Medicinal herb preparation used as a general tonic. 172,451; Aug. 28; Serial No. 172,364; published May 15, 1923.

Wing Lee Wai Company, San Francisco, Calif. Medicinal herb preparation used as a general tonic. 172,454–5; Aug. 28; Serial Nos. 172,569–70; published May 15, 1923.

Winslow, Samuel, Skate Mfg. Co., The, Worcester, Mass. Ice skates. 172,315; Aug. 28; Serial No. 175,975; published May 29, 1923.

Wood, Wm. H., Forest Hills, N. Y. Periodicals published from time to time. 172,388; Aug. 28; Serial No. 169,462; published Dec. 19, 1922.

Woolworth, F. W., Co., Watertown and New York, N. Y. Tape and braid of all kinds. 172,335; Aug. 28; Serial No. 177,807; published May 8, 1923.

Worrell, Lola C., doing business as The Flapper Novelty Doll Co., New York, N. Y. Dolls. 172,338; Aug. 28; Serial No. 178,652; published May 29, 1923.

Wright, John Lloyd, Inc., Chicago, Ill. Children's building blocks. 172,488; Aug. 28.

Yard-O-Meter Corporation, St. Louis, Mo. Devices for computing and measuring fabrics. 172,427; Aug. 28; Serial No. 175,904; published May 29, 1923.

Yereshefsky, Isidore, doing business as I. & Y. Cigar Company, New York, N. Y. Cigars. 172,307; Aug. 28; Serial No. 175,494; published May 29, 1923.

York Pretzel Bakery, York, N. Y. Pretzels. 172,474–5; Aug. 28; Serial Nos. 172,790–1; published May 8, 1923.

Zucker, Nathan S., doing business as The Utasal Company, New York, N. Y., and Salt Lake City, Utah. Medicated bath preparation. 172,235; Aug. 28; Serial No. 174,984; published May 15, 1923.

ALPHABETICAL LIST OF TRADE-MARK APPLICANTS.

PUBLISHED FOR OPPOSITION.

[Act of Feb. 20, 1905, Sec. 6, as amended Mar. 2, 1907.]

Abbott Laboratories, Chicago, Ill. Arsphenamine and neoarsphenamine. 177,889; Aug. 28.

Abraham & Straus, Inc., New York, N. Y. Men's underwear. 172,815; Aug. 28.

Acme Cone Co., Philadelphia, Pa. Cake cones. 175,177; Aug. 28.

Adler, David, & Sons Company, Milwaukee, Wis. Fabrics made of wool and wool substitutes. 174,761; Aug. 28.

Advance Chemical Company Inc., New York, N. Y. Concentrated maltless extract as a material for making ginger ale and other beverages. 177,721; Aug. 28.

American Bleached Goods Company, Inc., New York, N. Y. Cotton piece goods. 182,896; Aug. 28.

American Chemical & Manufacturing Corporation, Dover, Del., and Kenilworth, N. J. Rustproofing oils. 169,432; Aug. 28.

American Cotton Oil Company, The, Union Township, near Guttenberg, N. J., and New York, N. Y. Edible oils and fats and combinations thereof. 176,709; Aug. 28.

American Gear Company, Jackson, Mich. Gears and shafts. 180,461; Aug. 28.

American Lady Corset Company, Detroit, Mich. Cotton, silk, woolen, etc., piece goods. 179,917; Aug. 28.

Andrews, H. P., Paper Company, New York, N. Y. Ledger paper. 167,760; Aug. 28.

Arroway, The, Chicago, Ill. Face powder, cold cream, hair pomade, etc. 179,345; Aug. 28.

Asia Sales Corporation, Portland, Oreg. Carpets, rugs, and draperies. 181,236; Aug. 28.

Atkinson, Wade & Co., New York, N. Y. Cretonnes, linens, reps, etc., in the piece. 173,342; Aug. 28.

Authorized Wassermann Medical Corporation, New York, N. Y. Medicated plasters. 177,211; Aug. 28.

PUBLISHED FOR OPPOSITION.

[Act of Feb. 20, 1905, Sec. 6, as amended Mar. 2, 1907.]

Baker, Hamilton and Pacific Company, San Francisco, Calif. Lead pencils and carpenters' pencils. 170,349; Aug. 28.

Baker, Hamilton and Pacific Company, San Francisco, Calif. Carpenters' steel squares, family weighing scales, shingling-hatchet gauges, etc. 170,350; Aug. 28.

Baker, Hamilton and Pacific Company, San Francisco, Calif. Stepladders. 170,352; Aug. 28.

Behrer, Martin, doing business as Behrer & Company, New York, N. Y. Shower and shampoo fixtures, curtain rods, bathroom stalls, etc. 144,958; Aug. 28.

Beir, Arthur, & Co. Inc., New York, N. Y. Silk, cotton, and wool piece goods and combinations thereof. 174,953; Aug. 28.

Bemis, Charles B., Athol, Mass. Frozen confection. 178,891; Aug. 28.

Berendsen Silk Knitting Co., Bangor, Pa. Hosiery. 179,646–7; Aug. 28.

Bergman, Adolph, doing business as Osceola Knitting Mills, Philadelphia, Pa. Knitted jackets, coats, sweaters, and golf stockings. 179,923; Aug. 28.

Bickum, Dorothy, New York, N. Y. Combined bandeau and girdle, combined brassière and girdle, combined brassière and corselette. 178,953; Aug. 28.

Blumenthal, Sidney, & Co. Inc., New York, N. Y. Pile fabrics in the piece. 179,818; Aug. 28.

Borgenicht & Sons Co. Inc., New York, N. Y. Children's and misses' dresses. 158,843; Aug. 28.

Borroughs, Joseph N., Oakland, Calif. Towel cabinets. 178,023; Aug. 28.

Bothamley, George, New York, N. Y. Dyestuffs. 171,568; Aug. 28.

Bragno & Mustari, doing business as Bramu Packing Co., Chicago, Ill. Corn oil for salads and cooking purposes. 174,817; Aug. 28.

Bramu Packing Co. (See Bragno & Mustari.)

Bridgeman-Russell Co., Duluth, Minn. Ice cream. 177,268; Aug. 28.

Brodie, Ralph N., doing business as Ralph N. Brodie Co., Oakland, Calif. Metallic and nonmetallic gears. 179,764; Aug. 28.

Butler, J. W., Paper Co., The, Chicago, Ill. Wrapping paper, manila paper, envelopes, print book and document covers. 180,839; Aug. 28.

Cammeyer, New York, N. Y. Shoes. 178,327–8; Aug. 28.

Cannar & Marshall, Chicago, Ill. Candy. 176,879; Aug. 28.

Carlson, Grace, St. Paul, Minn. Bibs. 179,029; Aug. 28.

Carnrick, G. W. Co., New York, N. Y. Medicinal preparation. 178,089; Aug. 28.

Carr, Edward G., Chicago, Ill. Earth cutting and planing machine. 162,333; Aug. 28.

Central Michigan Paper Company, Grand Rapids, Mich. Wrapping, manila, document, print, and other paper, etc. 181,245; Aug. 28.

Champion Manufacturing Co., New York, N. Y. Belts. 177,473; Aug. 28.

Cherokee Spinning Company, Knoxville, Tenn. Cotton piece goods. 182,788–9; Aug. 28.

Chicago Paper Company, Chicago, Ill. Paper. 171,725; Aug. 28.

Chicago Whistle Bottling Co., Chicago, Ill. Nonalcoholic maltless soft drinks. 181,379; Aug. 28.

Chimnee Sweep Manufacturing Company, San Francisco, Calif. Dry black chemical powder used as a soot destroyer. 178,825; Aug. 28.

Claverie, Leon, Paris, France. Depilatory. 177,275; Aug. 28.

Cliver Wright-Rainey Co., The, Cincinnati, Ohio. Men's, women's, and children's hosiery. 182,134; Aug. 28.

Cluff, William Co., Wilmington, Del., and San Francisco, Calif. Canned fruits and vegetables, olives, pickles, oysters, etc. 177,363; Aug. 28.

Co-Bu-Col Company. (See Prochnow, Julius R.)

Coleman, Harry, London, England. Woolen fabrics. 182,234; Aug. 28.

Colson Company, The, Elyria, Ohio. Toy vehicles. 148,870; Aug. 28.

Comly, Flanigen Company, Philadelphia, Pa. Canned fruits, vegetables, fish, and pork and beans, etc. 162,870; Aug. 28.

Commonwealth Shoe and Leather Company, Boston, Mass. Leather boots and shoes. 178,894; Aug. 28.

Condrajian, Aram K., Fresno, Calif. Salves and pills used in the treatment of piles. 180,328; Aug. 28.

Cooper, Milton G., Dry Goods Co., Los Angeles, Calif. Knitted bathing suits. 182,137; Aug. 28.

Condurier, Tructus & Descher, Lyon, France, and New York, N. Y. Velvets in the piece. 177,548; Aug. 28.

Davey Tree Expert Company, The, Kent, Ohio. Chemical composition of matter for dressing tree wounds. 183,055; Aug. 28.

Davis & Voetsch, New York, N. Y. Dolls and stuffed animals. 181,982; Aug. 28.

Dee-Gee Co. (See Dennis, Charles J.)

DeKlyn Candy Company, The, Cleveland, Ohio. Candy. 180,536; Aug. 28.

Dennis, Charles J., doing business as Dee-Gee Co., Chicago, Ill. Nonalcoholic, maltless sirup used in making soft drinks. 181,516; Aug. 28.

Direct Method Company, Warren, Pa. Traveling bags. 182,572; Aug. 28.

Doe River Overall Company, Elizabethton, Tenn. Overalls and overall coats. 176,608; Aug. 28.

Dudley & Co., Fairport, N. Y. Baking powder, bicarbonate of soda, gloss starch. 179,859; Aug. 28.

Durez Company, Inc. (See Industrial Molded Materials Company, assignor.)

Earl, Grace D., Chicago, Ill. Face powder, perfume, rouge, etc. 162,729; Aug. 28.

Eisold, Alfred G., doing business as Eisold's Flavor & Syrup Co., Milwaukee, Wis. Flavoring extract for soft drinks. 170,129; Aug. 28.

Emblem Manufacturing Company, Angola, N. Y. Bicycles. 169,160; Aug. 28.

Emeis, Harry P., doing business as Stero-Oil Company, San Diego, Calif. Lubricating and sterilizing medium for dental instruments. 177,433; Aug. 28.

Empire Soap Company, Inc., New York, N. Y. Toilet soap. 176,889–90; Aug. 28.

Esperson, Niels, doing business as Mid-Continent Clay Company, Peru, Kans. Building bricks and roofing tile. 171,587; Aug. 28.

Exterminating Engineers of America, The. (See Patjens, Wm. S.)

Fabys, Joseph, & Company, New York, N. Y. Watchcases. 175,777; Aug. 28.

Fairy Silk Mills, Shillington, Pa. Underwear, hosiery, vests, drawers, union suits, etc. 178,334; Aug. 28.

Fifth Avenue Corset Company, Inc., The, Allentown, Pa. Corsets, corselettes, and brassières. 178,171; Aug. 28.

Finlayson Flax Spinning Co. (See Linen Thread Co., The.)

Fireside Industries. (See Lamb, Herbert W.)

Fluenzol Proprietary, Ltd., The, Wellington, New Zealand, and New York, N. Y. Medicinal preparation. 169,897; Aug. 28.

Frolaset Corset Co., Detroit, Mich. Corsets, brassières, girdles, etc. 177,180; Aug. 28.

Galbrun, Eugene, Paris, France. Organic solution of iron and manganese combined with peptones for anæmia, etc. 180,854; Aug. 28.

Gedney, M. A., Company, Minneapolis, Minn. Vinegar. 173,826; Aug. 28.

Glickson, Simon, Chicago, Ill. Preparations for gonorrhea and syphilis. 164,538; Aug. 28.

Goetz-Berlin Co. Inc., New York, N. Y. Linings, pocketings, and interlinings in the piece. 175,485; Aug. 28.

Golding Fabrics Corporation, New York, N. Y. Fabrics made of silk. 183,336; Aug. 28.

Grande Maison de Blanc, Inc., New York, N. Y. Brassières, corsets, camisoles, chemises, nightgowns, etc. 175,141; Aug. 28.

Grant, W. T., Company, Lynn, Mass., and New York, N. Y. Children's semimade garments. 171,911; Aug. 28.

Green, Charles L., New Orleans, La. Hair grower and dandruff preparation. 181,023; Aug. 28.

Grey, Frank S., Sacramento, Calif. Pills for the relief of liver complaint, constipation, etc. 180,537; Aug. 28.

Gripx Manufacturing Co., Waunakee, Wis. Door-knob fasteners. 173,079; Aug. 28.

Gutman Bros., New York, N. Y. Women's muslin underwear. 175,489; Aug. 28.

H-M Manufacturing Co., Kent, Ohio. Supplemental waterproof fiber cushioning soles for boots and shoes. 177,605; Aug. 28.

Haas Brothers Fabrics Corporation, New York, N. Y. Silk, artificial-silk, cotton, linen, and woolen piece goods. 182,344; Aug. 28.

Haley, John M., & Co. Inc., New York, N. Y. Stockings and socks. 179,938; Aug. 28.

Hanlon & Goodman Co., New York, N. Y. Paint, varnish, and calcimine brushes. 170,189; Aug. 28.

Hedges & Brother, Newark, N. J. Flush and urinal valves, urinal spreaders, strainers, etc. 178,696; Aug. 28.

Heidelberg, Wolff & Co., New York, N. Y. Overcoats, raincoats, smoking jackets, etc. 179,723; Aug. 28.

Heller, B., & Company, Chicago, Ill. Chemical preparation for use in preserving fresh sausage. 171,125; Aug. 28.

Heller, B., & Company, Chicago, Ill. Chemical preparation for preserving smoked sausage. 171,127; Aug. 28.

Heller, B., & Company, Chicago, Ill. Meat-curing chemical preparation. 171,755; Aug. 28.

Hillside Fluor Spar Mines, Chicago, Ill. Foundry flux. 179,792; Aug. 28.

Hirsch, L., & Son, Brooklyn, N. Y. Dresses. 182,245; Aug. 28.

Holtite Manufacturing Company, Baltimore, Md. Rubber heels for shoes. 178,844; Aug. 28.

Hudson, J. L., Co., The, Detroit, Mich. Ladies' and misses' dresses. 180,121; Aug. 28.

Hughes, Clement L., doing business as Wisco Co., Canton and Peoria, Ill. Medicine for the treatment of leucorrhea, ulcerations of the womb, etc. 178,041; Aug. 28.

Hutzler Brothers Co., Baltimore, Md. Shoes. 177,848; Aug. 28.

Hyatt, Thaddeus P., New York, N. Y. Toothbrushes. 169,400; Aug. 28.

PUBLISHED FOR OPPOSITION.

[Act of Feb. 20, 1905, Sec. 6, as amended Mar. 2, 1907.]

Hydro Governor Co., The, Sandy Hook, Conn. Engine governors. 161,882; Aug. 28.

Ideal Caramel Company, Inc., Johnson, N. Y. Candy, candy confections, sweetmeats, chewing gum. 172,225–6; Aug. 28.

Industrial Molded Materials Company, North Tonawanda, N. Y., assignor to Durez Company, Inc. Molding compositions. 167,353; Aug. 28.

Interocean Oil Company, The, New York, N. Y. Gasoline. 181,627; Aug. 28.

Jonkoping och Vulcans Tandsticksfabriksaktiebolag, Jonkoping, Sweden. Matches. 140,435; Aug. 28.

Jonkoping och Vulcans Tandsticksfabriksagtiebolag, Jonkoping, Sweden. Matches. 140,455; Aug. 28.

Jonkoping och Vulcans Tandsticksfabriksagtiebolag, Jonkoping, Sweden. Matches. 140,463; Aug. 28.

Josey-Miller Company, Beaumont, Tex. Horse and mule feed. 176,680; Aug. 28.

Jostam Mfg. Co., Chicago, Ill. Recoil pads for guns. 182,515; Aug. 28.

Kaplan, Harry E., doing business as H. E. Kaplan & Co., Chicago, Ill. Finger rings. 180,436; Aug. 28.

Kattulas and Sotos, Williamsport, Pa. Medical compounds for the treatment of rheumatism. 177,674; Aug. 28.

Kennard, Victor P., Greenland, N. H. Jellies. 169,976; Aug. 28.

Keystone Fruit Products Company, Cincinnati, Ohio. Bakers' vanilla, tomato bouillon, cocoa paste, etc. 143,501; Aug. 28.

Keystone Publishing Co., Philadelphia, Pa. Monthly magazine. 179,374; Aug. 28.

Koefoed, Hauberg, Marstrand & Helweg, Copenhagen, Denmark. Centrifugal oil purifiers or oil separators. 177,042; Aug. 28.

Kolber, Michael, New York, N. Y. Men's dress and negligee shirts. 178,926–7; Aug. 28.

Kunst & Small Co., New York, N. Y. Woolen, mohair, jute, cotton, silk, and linen fabrics. 181,195; Aug. 28.

Kunz Preparations Co. (See Minneapolis Brewing Company.)

Lamb, Herbert W., doing business as Fireside Industries, Lagrange, Ind. Correspondence course in applied arts, decalcomania transfers, etc. 174,742; Aug. 28.

Lamport Company of Texas Inc., The, Dallas, Tex. Linen, canvas, cotton, and sailcloth in the piece. 173,133; Aug. 28.

Lancaster Mills, Clinton, Mass. Textile cotton dresses. 172,747; Aug. 28.

Lane Co. Inc., The, Altavista, Va. Cedar chests. 180,377; Aug. 28.

La Société En Nom Collectif J. Thiriez Pere & Fils, Lille, France. Sewing thread. 182,919; Aug. 28.

Lederer, Herbert B., Corp., New York, N. Y. Gingham. 177,089; Aug. 28.

Lee-Strauss Co., Johnstown, Pa. Vegetable, mineral, and animal products. 181,345; Aug. 28.

Leigh Chemist, Inc., New York, N. Y. Perfumes. 181,287; Aug. 28.

Levy, Louis, doing business as O. K. Bottler's Supply House, New York, N. Y. Malt sirup. 137,287; Aug. 28.

Lilienthal & Grossman, Inc., New York, N. Y. Gloves. 176,352; Aug. 28.

Linen Thread Company, The, doing business as The Finlayson Flax Spinning Co., Boston, Mass. Linen thread. 160,712; Aug. 28.

Little Women Dress Co., New York, N. Y. Ladies' gowns, dresses, and costumes. 181,956; Aug. 28.

Lubin, Harry, South Orange, N. J. Pipe racks. 183,074; Aug. 28.

Maison Blanche Co., New Orleans, La. Candy. 172,753; Aug. 28.

Manny-Rielly Co., New York, N. Y. Knitted and textile underwear. 177,135; Aug. 28.

Marble Mills, Inc., The, Evanston, Ill. Underwear of knitted fabric. 179,874; Aug. 28.

Marshall Ventilated Mattress Co. Limited, The, Toronto, Ontario, Canada. Mattresses. 181,838; Aug. 28.

Mayer, Benjamin, doing business as B. Mayer, New York, N. Y. Salt for curing meat. 177,014; Aug. 28.

Meisselbach, A. F., Mfg. Co. Inc., New York, N. Y. Fishing reels. 173,574; Aug. 28.

Menley & James, Limited, New York, N. Y. Pessaries, suppositories, and a preparation of liquid iodine. 177,188; Aug. 28.

Meyer-Wise & Kaichen Company, The, Cincinnati, Ohio. Sweaters, sport coats, infants' caps and tams, etc. 177,045; Aug. 28.

Mid-Continent Clay Company. (See Esperson, Niels.)

Mid West Paper & Envelope Co., Marion, Ind. Writing paper, correspondence envelopes, writing tablets, and papeteries. 168,118; Aug. 28.

Millius, Hesse & Levy, New York, N. Y. Cotton piece goods. 183,117; Aug. 28.

Miller, C. R., Mfg. Co., Fort Worth, Tex. Dress shirts. 172,115; Aug. 28.

Miller's, Jacob Sons Co., Philadelphia, Pa. Silk goods in the piece. 181,038; Aug. 28.

Minneapolis Brewing Company, doing business as Kunz Preparations Co., Minneapolis, Minn. Bay rum, witch-hazel, alcohol body rub, etc. 179,159; Aug. 28.

Molloy, David J., Company, The, Chicago, Ill. Book and catalogue covers and decorative effects. 179,378; Aug. 28.

Moorman Manufacturing Company, Quincy, Ill. Tonics for animals. 169,316; Aug. 28.

Munter, Charles, New York, N. Y. Corsets, waist corsets, brassières, etc. 179,813; Aug. 28.

Musical Products Distributing Co. Inc., New York, N. Y. Phonograph-record-display stand. 180,715; Aug. 28.

National Pharmacal Company, The, Cleveland, Ohio. Ointments, salves, and preparations for application to the skin for the relief of muscular rheumatism, etc. 177,686; Aug. 28.

Neuss, Hesslein & Company, Inc., New York, N. Y. Cotton goods in the piece. 177,507; Aug. 28.

Neuss, Hesslein & Co. Inc., New York, N. Y. Printed cotton piece goods, bleached and grey cotton piece goods, etc. 182,356; Aug. 28.

New Jersey Paper Tube Company, Englewood, N. J. Paper drinking straws. 175,590; Aug. 28.

New York Merchandise Company, New York, N. Y. Handkerchiefs. 182,603; Aug. 28.

New York Wire & Spring Company, Hoboken, N. J. Automobile bumpers. 173,716; Aug. 28.

No-Mor Products Co., Los Angeles, Calif. Composition for exterminating insects. 180,292; Aug. 28.

Nordman, Ferdinand B., jr., Number Nine Plantation, Volusia County, Fla. Fruits, jellies, jams, sirups, etc. 146,979; Aug. 28.

Norristown Herald Printing and Publishing Co., Norristown, Pa. Periodical publication. 179,738; Aug. 28.

Northwest Nitrox Company. (See Platt, E. F.)

O. K. Bottler's Supply House. (See Levy, Louis.)

Ohio Medicine Co. (See Yagyu, James R.)

Orent's Department Store, Inc., doing business as Sagamore Commission Co., Sagamore, Mass., and New York, N. Y. Underwear. 171,136; Aug. 28.

Osborn Paper Company, Marion, Ind. Writing tablets, composition books, etc. 173,295; Aug. 28.

Osceola Knitting Mills. (See Bergman, Adolph.)

Pacific-Italian Trading Corporation, San Francisco, Calif. Fresh and dehydrated grapes. 177,046; Aug. 28.

Paint Products Co., The, Elmira, N. Y. Paint and varnish remover. 179,952; Aug. 28.

Paramount Knitting Company, The, Chicago, Ill. Hosiery. 172,650; Aug. 28.

Parks-Cramer Company, Fitchburg, Mass. Humidity regulators. 182,482; Aug. 28.

Patent Novelty Company, Fulton, Ill. Glare-shield attachment for automobile headlights. 176,208; Aug. 28.

Patjens, Wm. S., doing business as The Exterminating Engineers of America, New York, N. Y. Roach-exterminating poison. 180,773; Aug. 28.

Peck & Sterba, New York, N. Y. Medical preparations for leucorrhea, cervical catarrh, etc. 178,405; Aug. 28.

Peerless Motor Car Company, Cleveland, Ohio. Motor cars. 174,483; Aug. 28.

Pendale Woolen Mills, New York, N. Y. Woolen piece goods. 183,161; Aug. 28.

Platt, E. F., doing business as Northwest Nitrox Company, Portland, Me. Nitrous oxide and medicinal oxygen. 178,770; Aug. 28.

Polo Manufacturing Company, Clinton, Iowa. Trousers. 182,113; Aug. 28.

Prochnow, Julius R., doing business as Co-Bu-Col Company, San Antonio, Tex. Preparation for inflammation of kidney and bladder, nephritis, etc. 165,034; Aug. 28.

Prym, William, Company, Limited, The, Stollberg, Germany. Pins. 175,997; Aug. 28.

Purity Creamery Company, Baltimore, Md. Coffee. 161,273; Aug. 28.

Puro Products Co., Superior, Wis. Pile cure. 177,407; Aug. 28.

Quaker City Sweater Mills, Philadelphia, Pa. Sweaters. 163,647; Aug. 28.

Quaker City Sweater Mills, Philadelphia, Pa. Sweaters. 163,649; Aug. 28.

Rabiner Brothers, Chicago, Ill. Hats and caps. 178,670; Aug. 28.

Raphael, Robert M., New York, N. Y. Infants' and children's wearing apparel. 171,434; Aug. 28.

Red Top Malt Extract Co., Cincinnati, Ohio. Malt sirups. 164,831; Aug. 28.

Remiller Co., The, New York, N. Y. Rouge. 180,723; Aug. 28.

Richman, Philip, New York, N. Y. Fur garments. 162,349; Aug. 28.

Roosa, Herbert H., Rochester, N. Y. Boots, shoes, shoe heels and shanks, and parts of boots and shoes. 167,658; Aug. 28.

Rothchild, Isidor, New York, N. Y. Quilts and textile blankets. 179,961; Aug. 28.

Roubaix Mills, Inc., New York, N. Y. Silk, artificial-silk, cotton, linen, and woolen piece goods. 182,359; Aug. 28.

Rouff, Seymour, doing business as Maison Rouff, New Orleans, La. Infants' and young children's apparel. 174,864; Aug. 28.

PUBLISHED FOR OPPOSITION.

[Act of Feb. 20, 1905, Sec. 6, as amended Mar. 2, 1907.]

Rubay Company, The, Cleveland, Ohio. Gasoline vehicles. 171,658; Aug. 28.

Saginaw Commission Co. (See Orent's Department Store, Inc.)

Saginaw Ladder Co. Limited, Saginaw, Mich. Ladders. 177,696; Aug. 28.

San Francisco Sulphur Co., San Francisco, Calif. Sulphur. 181,352; Aug. 28.

Sawdey & Hunt, Los Angeles, Calif. Fresh lettuce. 179,885; Aug. 28.

Scherer, H., & Company, Detroit, Mich. Curtain-window lights and vehicle top fabrics. 178,065; Aug 28.

Schwab, Louis, doing business as Stevens & Co., New York, N. Y. Tools and appliances for automotive vehicles, etc. 168,857; Aug. 28.

Schwabacher Bros. & Co., Incorporated, Seattle, Wash. Granulated sugar. 177,412; Aug. 28.

Service Equipment Co., Inc., New York, N. Y. Sheetings and pillowcases. 183,236; Aug. 28.

Silberstein, J. D., & Sons, Inc., New York, N. Y. Dress shirts. 175,441–2; Aug. 28.

Silberstein, Joseph, New York, N. Y. Handkerchiefs. 183,088; Aug. 28.

Simon, Horatio, & Co., New York, N. Y. Outer garments for female wear. 173,339; Aug. 28.

Simpson, Wm., Sons & Co. Philadelphia, Pa. Cotton goods in the piece. 182,679; Aug. 28.

Sitroux Importing Co., Inc., New York, N. Y. Hair nets. 183,238; Aug. 28.

Smith, De Calvus, Arkansas City, Kans. Remedy to prevent hemorrhages. 181,417; Aug. 28.

Smithfield Company, Inc., The, Smithfield, Va. Raw and cooked hams. 162,216; Aug. 28.

Smucker, Milton C., Chicago, Ill. Tablets for the relief of headaches, neuralgia, colds, rheumatism, etc. 180,900; Aug. 28.

Societe Rodier, Paris, France. Piece goods of silk, cotton, and wool and mixtures of same. 180,505; Aug. 28.

Societe Vinicole de Champagne, Paris, France. Champagne wine. 165,213; Aug. 28.

Stadeker, Gilbert J., doing business as Stadeker Mfg. Co., Chicago, Ill. Hydrometers. 181,423; Aug. 28.

Stanard, O. L., Dry Goods Co., Huntington, W. Va. Knitted and nainsook underwear and cotton and wool sweaters. 178,412; Aug. 28.

Standard Oil Company (New Jersey), Bayonne, N. J. Lubricating oils. 181,661; Aug. 28.

Stanley Works, The, New Britain, Conn. Levels. 172,296; Aug. 28.

Star-Peerless Wall Paper Mills, Joliet, Ill. Ready-mixed paints, varnishes, stains, and paint enamels. 178,939; Aug. 28.

Stearns, F. L., & Company, New York, N. Y. Cotton piece goods. 181,963; Aug. 28.

Sterling Company, The, Chicago, Ill. Women's aprons and house dresses. 180,948; Aug. 28.

Stero-Oil Company. (See Emeis, Harry P.)

Stevens & Co. (See Schwab, Louis.)

Stocking Shops of America, Inc., The, Reading, Pa. Hosiery. 171,669; Aug. 28.

Strawbridge & Clothier, Philadelphia, Pa. Suits. 180,151; Aug. 28.

Style-Center Tailoring Company, The, Cincinnati, Ohio. Overcoats, raincoats, vests, trousers, etc. 175,831; Aug. 28.

Su-Dex Wood Curing Company, Coscob, Conn., and Brooklyn, N. Y. Treated wood. 164,606–7; Aug. 28.

Sunbeam Electric Manufacturing Co., Evansville, Ind. Unitary electric light and power plants. 137,862; Aug. 28.

Switzer, Albert O., Los Angeles, Calif. Underwear, hosiery, suspenders, garters, etc. 179,891; Aug. 28.

Tell-U-Where Co. of America, Boston, Mass. Directories published semiannually. 178,693; Aug. 28.

Tex Craft Company, Reading, Pa. Hosiery. 179,974; Aug. 28.

Thomas, Howard D., doing business as Howard D. Thomas Co., Seattle, Wash. Windshield cleaners of the squeegee type. 180,153; Aug. 28.

Thompson-Barlow Company, Inc., The, New York, N. Y. Arch supports, foot cushions, heel cushions, foot pads, and insoles for boots and shoes. 181,707; Aug. 28.

Turner, Roy J., Chicago, Ill. Writing pads, game score cards, tabulating pads, computing pads, etc. 179,895; Aug. 28.

Tut Manufacturing Company. (See Vaughan, Mabel E.)

Twaits, Norma A., Jersey City, N. J. Marmalade and jellies. 165,169; Aug. 28.

U. S. Bedding Company, Memphis, Tenn. Beds, bed springs, and mattresses. 179,246; Aug. 28.

Union Petroleum Company, Philadelphia, Pa. Oil and oiling compositions. 180,990; Aug. 28.

United States Metallic Packing Company, The, Philadelphia, Pa. Metallic packing for piston and other rods. 178,009; Aug. 28.

United States Metallic Packing Company, Philadelphia, Pa. Metallic packing for piston and other rods. 178,076; Aug. 28.

United States Playing Card Company, The, East Norwood, Cincinnati, Ohio. Playing cards. 178,536; Aug. 28.

Universal Wholesale Grocery Co., Chicago, Ill. Canned goods, etc. 174,042; Aug. 28.

Valentin Blatz Brewing Company, Milwaukee, Wis. Non-alcoholic, maltless, carbonated grape-flavored beverages. 181,724; Aug. 28.

Vanity Fair Silk Mills, Reading, Pa. Veils and silk cloth in the piece. 176,583; Aug. 28.

Van Raalte Company, Inc., New York, N. Y. Hosiery. 179,835; Aug. 28.

Vaughan, Mabel E., doing business as Tut Manufacturing Company, Birmingham, Mich. Beverage sold as a soft drink. 181,625; Aug. 28.

W. S. D. Underwear Co. Inc., New York, N. Y. Brassières. 178,586; Aug. 28.

Wallcraft Shirt Co. Inc., New Haven, Conn. Dress, negligee, and work shirts. 178,646; Aug. 28.

Wanklyn, Frederic L., Montreal, Quebec, Canada. Signal fuses. 178,785; Aug. 28.

Watkins, Harold C., doing business as Watkins Chemical Company, Scranton, Pa. Beverage sold as soft drink and sirup for making same. 181,157; Aug. 28.

Waukesha Silurian Water Co., also doing business as Waukesha Spring Water Company, Waukesha, Wis. Still and carbonated water, ginger ale, root beer, etc. 178,316; Aug. 28.

Weber Levy Company, New York, N. Y. Hosiery, underwear, and sweaters. 179,759; Aug. 28.

Western Chemical Co., Inc., The, Seattle, Wash. Double-acting alkaline hypochlorite solution. 179,119; Aug. 28.

Western Fancy Goods Company, San Francisco, Calif. Garters, belts, neckties, boudoir caps, etc. 171,561; Aug. 28.

White Stokes Co., Inc., Chicago, Ill. Semiprepared fondant and base in candy, ice cream, etc. 178,791; Aug. 28.

Wilson Tea Co., Seattle, Wash. Tea. 176,053–4; Aug. 28.

Winchell, M. M., Co., Pasadena, Calif. Preparation for the treatment of piles. 180,093; Aug. 28.

Wood & Smith, Inc., Lewiston, Me. Children's leather shoes. 179,077; Aug. 28.

Woodard, Princetta, Chattanooga, Tenn. Hair grower, pressing oil, temple grower, and corn salve. 178,486; Aug. 28.

Wuest, Andrew A., Cincinnati, Ohio. Men's, women's, and children's hosiery. 181,800; Aug. 28.

Yagyu, James R., doing business as Ohio Medicine Co., Los Angeles, Calif. Vaginal suppositories. 179,022; Aug. 28.

Yellow Cab Manufacturing Co., Chicago, Ill. Automobile taxicabs. 178,487–8; Aug. 28.

CLASSIFIED LIST OF TRADE-MARKS REGISTERED.

CLASS 1.

Coal. Rock Lick Smokeless Coal Company. 172,421; Aug. 28; Serial No. 174,977; published May 29, 1923.

Cotton, Baled raw. Duncan, Fox & Co. 172,512; Aug. 28.

Leathers. Hunt-Rankin Leather Co. 172,405; Aug. 28; Serial No. 174,450; published May 29, 1923.

Rubber, Bituminous material for compounding. Barrett Company. 172,213–4; Aug. 28; Serial Nos. 173,690–2; published May 29, 1923.

Wool. New Zealand Refrigerating Company Limited. 17,246; Aug. 28; Serial No. 161,380; published May 29, 1923.

CLASS 2.

Containers and shooks therefor, Wooden. California Barrel Co. 172,263; Aug. 28; Serial No. 176,946; published May 29, 1923.

Jars, cases, and other receptacles. Aridor Company. 172,242; Aug. 28; Serial No. 163,850; published May 29, 1923.

Receptacles for carboys. Hercules Carboy Box Company. 172,411; Aug. 28; Serial No. 178,342; published May 29, 1923.

CLASS 3.

Hame trimmings and saddlery hardware. U. S. Hame Company. 172,410; Aug. 28; Serial No. 178,311; published May 29, 1923.

Harness. Henry Blake Harness Company. 172,284; Aug. 28; Serial No. 168,292; published May 29, 1923.

CLASS 5.

Oils, Core. American Hominy Company. 172,413; Aug. 28; Serial No. 178,655; published May 29, 1923.

Tires and for preserving rubber, Composition for stopping leaks in. E. A. Garten. 172,260; Aug. 28; Serial No. 136,626; published May 29, 1923.

CLASS 6.

Anæsthetic cream. Parke, Davis & Company. 172,227; Aug. 28; Serial No. 174,632; published May 1, 1923.

Antiseptic for the prevention of venereal diseases. F. M. Naumann. 172,377; Aug. 28; Serial No. 156,105; published Apr. 3, 1923.

Chemical, medical, and pharmaceutical preparation for removing hair from the human body. R. Rose. 172,351; Aug. 28; Serial No. 173,299; published May 1, 1923.

Chemical preparations used in the curing of meat. B. Heller & Company. 172,347; Aug. 28; Serial No 172,992; published May 15, 1923.

Clay prepared for use in cleansing the skin and pores, Natural. Overland Pharmacy Co. 172,392; Aug. 28; Serial No. 168,121; published May 15, 1923.

Cream, toilet waters, perfumes, etc., Cleansing and finishing. Grant Watkins Co. 172,356; Aug. 28; Serial No. 173,483; published May 15, 1923.

Creams, Facial. Medicraft Company. 172,355; Aug. 28; Serial No. 173,433; published May 15, 1923.

Creams, perfumes, toilet waters, face powders, etc., Toilet. E. C. Harley Company. 172,395–6; Aug. 28; Serial Nos. 167,297–8; published Jan. 23, 1923.

Dentifrice and prophylactic paste. C. A. L. Reed. 172,232; Aug. 28; Serial No. 174,860; published May 15, 1923.

Deodorant and disinfectant. U. S. Sanitary Specialties Corporation. 172,358; Aug. 28; Serial No. 173,544; published May 1, 1923.

Deodorizing preparations, Chemical. Fouke Fur Company. 172,352; Aug. 28; Serial No. 173,325; published May 15, 1923.

Hair and scalp, Preparation for the treatment of. F. Le Zon. 172,363; Aug. 28; Serial No. 174,130; published May 15, 1923.

Hair lotions and skin creams. S. R. Glassmire. 172,350; Aug. 28; Serial No. 173,283; published May 15, 1923.

Hair tonic. P. P. Davis. 172,230; Aug. 28; Serial No. 174,690; published May 15, 1923.

Insecticide. Solomia (1922), Limited. 172,225; Aug. 28; Serial No. 174,343; published May 15, 1923.

Insecticide, deodorant, and disinfectant. W. D. Wiegand. 172,441; Aug. 28; Serial No. 171,395; published May 15, 1923.

Insecticides. Carbo-Sul Corporation. 172,226; Aug. 28; Serial No. 174,609; published May 15, 1923.

Liniments. Edgar Chemical Company. 172,375; Aug. 28; Serial No. 157,417; published May 1, 1923.

Lip sticks, face powders, rouge, etc. Rieser Company. 172,378; Aug. 28; Serial No. 155,449; published Feb. 21, 1922.

Lotion, Antiseptic. E. C. Cowman. 172,487; Aug. 28.

Medical compound, Cathartic. Illinois Medicine Co. 172,391; Aug. 28; Serial No. 168,313; published May 1, 1923.

Medicated bath preparation. N. S. Zucker. 172,235; Aug. 28; Serial No. 174,984; published May 15, 1923.

Medicinal compound and salve. Blackburn Products Co. 172,393; Aug. 28; Serial No. 167,595; published May 1, 1923.

Medicinal herb preparation. Wing Lee Wai Company. 172,451; Aug. 28; Serial No. 172,364; published May 15, 1923.

Medicinal herb preparation. Wing Lee Wai Company. 172,454–5; Aug. 28; Serial Nos. 172,569–70; published May 15, 1923.

Medicine for treatment of rheumatism, asthma, etc. M. Uhs. 172,418; Aug. 28.

Medicine for use in treatment of ailments of the liver, stomach, and bowels and as a blood purifier. O. W. Dean Company. 172,233; Aug. 28; Serial No. 174,958; published May 15, 1923.

Medicine used in the treatment of asthma, bronchitis, etc. P. Raymond. 172,357; Aug. 28; Serial No. 173,532; published May 15, 1923.

Medicine used in the treatment of diphtheria. Smiley Company. 172,224; Aug. 28; Serial No. 174,342; published May 15, 1923.

Mouth wash and gargle, Antiseptic. Parke, Davis & Company. 172,228; Aug. 28; Serial No. 174,633; published May 1, 1923.

Naphthalene solvent for gas mains and services. Northwestern Blaugas Company. 172,376; Aug. 28; Serial No. 156,593; published May 15, 1923.

Ointment for rheumatism. J. E. Stavros. 172,387; Aug. 28; Serial No. 169,936; published May 1, 1923.

Perfumes. G. A. Sakele. 172,240; Aug. 28; Serial No. 175,373; published May 15, 1923.

Pharmaceutical preparation. Phospho-Albumen Company. 172,223; Aug. 28; Serial No. 174,258; published Apr. 24, 1923.

Pharmaceutical preparations. H. C. Carel. 172,365; Aug. 28; Serial No. 163,859; published May 15, 1923.

Plasters, Poultice. H. W. Bouck. 172,369; Aug. 28; Serial No. 160,390; published May 1, 1923.

Powders, Talcum. Sears, Roebuck and Co. 172,238; Aug. 28; Serial No. 175,275; published May 22, 1923.

Preparation for repelling mosquitoes. Mentholatum Company. 172,452; Aug. 28; Serial No. 172,386; published May 15, 1923.

Preparation for rheumatism and pains, cuts, etc. G. Scianna. 172,345; Aug. 28; Serial No. 172,688; published May 1, 1923.

Preparation for treatment of cholelithiasis and allied conditions. Parke, Davis & Company. 172,229; Aug. 28; Serial No. 174,634; published May 1, 1923.

Skin-cleansing tonic and massage cream. Pacquin, Inc. 172,371; Aug. 28; Serial No. 159,813; published Oct. 10, 1922.

Toilet preparations. Laboratory Specialty Company. 172,382; Aug. 28; Serial No. 141,229; published May 15, 1923.

Tonic. Proud's Portolive Co. 172,456; Aug. 28; Serial No. 172,615; published May 15, 1923.

Zeolites and base-exchange water-softening agents. H. S. B. W.-Cochrane Corporation. 172,360; Aug. 28; Serial No. 173,888; published Apr. 17, 1923.

CLASS 7.

Twine. Orchard Paper Company. 172,340; Aug. 28; Serial No. 179,053; published May 29, 1923.

CLASS 11.

Inks, Printing. Jaenecke-Ault Company. 172,430–1; Aug. 28; Serial Nos. 176,740–1; published May 15, 1923.

Inks, Printing. Queen City Printing Ink Company. 172,272; Aug. 28; Serial No. 177,619; published May 15, 1923.

Inks, Printing. Queen City Printing Ink Company. 172,294–5; Aug. 28; Serial Nos. 177,865–6; published May 15, 1923.

Paper, Carbon. Kee Lox Manufacturing Company. 172,268; Aug. 28; Serial No. 177,384; published May 15, 1923.

CLASS 12.

Bricks and tiles. Shope Brick Company. 172,498; Aug. 28.

Roofs, sidings, and other building structures, Self-adhering fabrics for weatherproofing. A. C. Fischer. 172,499; Aug. 28.

CLASS 13.

Chain connectors. J. F. Herman. 172,482; Aug. 28.

CLASS 15.

Grease, Lubricating. National Refining Company. 172,245; Aug. 28; Serial No. 161,695; published May 29, 1923.

Oil, Compound. Hercules Powder Company. 172,326; Aug. 28; Serial No. 176,834; published May 8, 1923.

Oil, gasoline, and kerosene, Crude. C. F. Kellom. 172,366; Aug. 28; Serial No. 161,840; published May 29, 1923.

Oils and gasoline, Lubricating. Apex Motor Fuel and Lubricant Co. 172,398; Aug. 28; Serial No. 167,156; published May 29, 1923.

Oils and grease and gasoline, Lubricating. American Refining and Manufacturing Company. 172,333; Aug. 28; Serial No. 177,261; published May 29, 1923.

CLASS 16.

Asbestos liquid roof coating in the nature of a paint. Franklin Paint Company. 172,374; Aug. 28; Serial No. 158,038; published Oct. 3, 1922.

Enamel. Edward E. Allen Mfg. Co. 172,342; Aug. 28; Serial No. 179,079; published May 29, 1923.

Enamels, Paint. J. C. Burris. 172,291; Aug. 28; Serial No. 165,911; published May 29, 1923.

Oil used in making ready-mixed enamels and paints. Geo. R. Unkefer, Inc. 172,201; Aug. 28; Serial No. 172,135; published May 29, 1923.

Paint. Edward E. Allen Mfg. Co. 172,343–4; Aug. 28; Serial Nos. 179,080–1; published May 29, 1923.

Paint. Nitrose Company. 172,247; Aug. 28; Serial No. 159,690½; published May 29, 1923.

Paints, putty, linseed oil, and turpentine, etc. H. W. Webster. 172,368; Aug. 28; Serial No. 160,908; published Apr. 3, 1923.

Paints, water colors, etc., Tubed artist oil. Old Master Color Co. 172,217; Aug. 28; Serial No. 174,025; published May 29, 1923.

Varnish. M. Gordon. 172,414; Aug. 28; Serial No. 178,721; published May 29, 1923.

CLASS 17.

Cigars. W. F. Clegg. 172,221; Aug. 28; Serial No. 174,195; published May 29, 1923.

Cigars. J. W. Selker Cigar Co. 172,440; Aug. 28; Serial No. 171,338; published Jan. 16, 1923.

Cigars. I. Yereshefsky. 172,307; Aug. 28; Serial No. 175,494; published May 29, 1923.

CLASS 19.

Rods or tubes, Connecting and cross or tie. Columbus Auto Parts Company. 172,500; Aug. 28.
Shock absorbers. C. W. Garton. 172,510; Aug. 28.
Vehicles, Transmissions and axles for self-propelled. Ruckstell Sales & Manufacturing Company. 172,511; Aug. 28.

CLASS 21.

Batteries, Storage. White Cap Battery Mfg. Co. 172,330; Aug. 28; Serial No. 177,157; published May 29, 1923.
Canopies, Metal-fixture. G. W. Conner. 172,222; Aug. 28; Serial No. 174,234; published May 29, 1923.
Electron tubes, sockets for electron tubes, rheostats, etc. Connecticut Telephone & Electric Company. 172,319; Aug. 28; Serial No. 176,400; published May 29, 1923.
Insulator and knobs. Illinois Electric Porcelain Company. 172,397; Aug. 28; Serial No. 167,354; published May 29, 1923.
Lamps, Electric automobile. American Auto Lamp Co. 172,399; Aug. 28; Serial No 165,600; published May 29, 1923.
Lighting fixture, Electrical. St. Louis Brass Manufacturing Company. 172,317; Aug. 28; Serial No. 176,226; published May 29, 1923.
Motors, Electric. General Electric Company. 172,367; Aug. 28; Serial No. 161,152; published May 29, 1923.
Phonographs, Electrical sound amplifiers for. Magnavox Company. 172,253; Aug. 28; Serial No. 155,823; published May 8, 1923.
Radio apparatus. Sayre-Level Radio Company. 172,310; Aug. 28; Serial No. 175,741; published May 29, 1923.
Radio apparatus, Phones for use with. Marinette Electric Corporation. 172,323; Aug. 28; Serial No. 176,635; published May 29, 1923.
Radio equipment. C. D. Potter Co. 172,304; Aug. 28; Serial No. 175,437; published May 29, 1923.
Radio receiving sets and parts thereof. Horne Manufacturing Co. 172,403; Aug. 28; Serial No. 164,317; published May 29, 1923.
Radio rectifiers and cat whiskers. Rusonite Products Corporation. 172,309; Aug. 28; Serial No. 175,739; published May 29, 1923.
Radiotelephone attachments. Master Radio Corporation. 172,444; Aug. 28; Serial No. 171,544; published May 29, 1923.
Spark plugs. T. & H. Nichols. 172,329; Aug. 28; Serial No. 177,101; published May 29, 1923.
Vacuum cleaner, Electric. Birtman Electric Company. 172,301; Aug. 28; Serial No. 175,380; published May 29, 1923.
Variometers and variocouplers. G. H. Fisher & Co. 172,308; Aug. 28; Serial No. 175,549; published May 29, 1923.
Wire and cables, Insulated. Kerite Insulated Wire & Cable Company. 172,336; Aug. 28; Serial No. 178,107; published May 29, 1923.
Wireless telegraphy and wireless telephony apparatus, Crystals or minerals for use in. Radio Mineral Company. 172,337; Aug. 28; Serial No. 178,281; published May 29, 1923.

CLASS 22.

Balls, Golf. Jordan Marsh Company. 172,339; Aug. 28; Serial No. 178,923; published May 29, 1923.
Balls, Golf. Morris Golf Ball Manufacturing Company. 172,328; Aug. 28; Serial No. 177,098; published May 29, 1923.
Baseballs, bats, masks, etc. Alphen, Inc. 172,389; Aug. 28; Serial No. 169,232; published May 29, 1923.
Building blocks, Children's. John Lloyd Wright, Inc. 172,488; Aug. 28.
Cards, Playing. Russell Playing Card Co. 172,312; Aug. 28; Serial No. 175,348; published May 29, 1923.
Dolls. L. Boatright. 172,334; Aug. 28; Serial No. 177,649; published May 29, 1923.
Dolls. Seigenberg & Sher. 172,341; Aug. 28; Serial No. 179,062; published May 29, 1923.
Dolls. L. C. Worrell. 172,338; Aug. 28; Serial No. 178,652; published May 29, 1923.
Fishing lines. Newton Line Company. 172,484–5; Aug. 28.
Fishing lines. Newton Line Company. 172,486; Aug. 28.
Fishing lines. Newton Line Company. 172,497; Aug. 28.
Game. Alderman, Fairchild Co. 172,331–2; Aug. 28; Serial No. 177,206–7; published May 29, 1923.
Golf clubs, balls, bags, irons, and tees. D. R. Griffiths. 172,302; Aug. 28; Serial No. 175,390; published May 29, 1923.
Rubber hand and foot balls. H. Schnezler. 172,385; Aug. 28; Serial No. 170,382; published May 29, 1923.
Skates, Ice. Samuel Winslow Skate Mfg. Co. 172,315; Aug. 28; Serial No. 175,975; published May 29, 1923.
Toy dolls and animals. J. W. Torrey. 172,361; Aug. 28; Serial No. 173,907; published May 29, 1923.

CLASS 23.

Agricultural machinery and implements, Repair parts for. Henry & Allen. 172,311; Aug. 28; Serial No. 175,790; published May 29, 1923.
Cigar-making machines. Syndicat pour l'Exploitation des Machines à Fabriquer les Cigares Brevets Cornelis. 172,493; Aug. 28.
Cleaning systems, Dry-. S. F. Bowser and Company. 172,264; Aug. 28; Serial No. 177,068; published May 29, 1923.
Cotton gins and cotton-gin machinery. Murray Company. 172,320; Aug. 28; Serial No. 176,419; published May 29, 1923.
Cutlery. Wester Brothers. 172,251; Aug. 28; Serial No. 156,206; published May 29, 1923.
Cutlery, Certain kinds of. Premier Cutlery, Inc. 172,249; Aug. 28; Serial No. 159,049; published May 29, 1923.
Dust collectors. Alfred C. Goethel Co. 172,250; Aug. 28; Serial No. 157,369; published May 29, 1923.
Food-mixing machines and parts thereof. Meteor Mixing Machine Co. 172,220; Aug. 28; Serial No. 170,441; published Apr. 17, 1923.
Hack-saw and coping-saw frames. Consolidated Tool Works, Inc. 172,262; Aug. 28; Serial No. 176,883; published May 29, 1923.
Jack frames. R. E. Alexander. 172,433; Aug. 28; Serial No. 176,813; published May 29, 1923.
Punching tools and dies, Metal-. Whitney Metal Tool Company. 172,425; Aug. 28; Serial No. 175,586; published May 29, 1923.
Saws. Simonds Saw and Steel Company. 172,313–14; Aug. 28; Serial Nos. 175,957–8; published May 29, 1923.
Saws. Simonds Saw and Steel Company. 172,316; Aug. 28; Serial No. 176,000; published May 29, 1923.
Speed reducers, shaft couplings, friction clutches, hoists, etc. Palmer-Bee Company. 172,318; Aug. 28; Serial No. 176,359; published May 29, 1923.
Sprayers for spraying vegetation. Ferguson Manufacturing Company. 172,306; Aug. 28; Serial No. 175,479; published May 29, 1923.
Tools for kitchen use. J. P. McBride. 172,424; Aug. 28; Serial No. 175,364; published May 29, 1923.
Waste-saving machinery and apparatus. Stanley Hiller, Inc. 172,446; Aug. 28; Serial No. 171,712; published May 29, 1923.

CLASS 26.

Arc and electric welding goggles. William C. Adams Co. 172,429; Aug. 28; Serial No. 176,436; published May 29, 1923.
Engines, Temperature-indicating device for gas. Pyrene Manufacturing Co. 172,426; Aug. 28; Serial No. 175,736; published May 29, 1923.
Fabrics, Devices for computing and measuring. Yard-O-Meter Corporation. 172,427; Aug. 28; Serial No. 175,904; published May 29, 1923.
Gasoline and liquid gauges. Marvel Products Company. 172,273; Aug. 28; Serial No. 177,682; published May 29, 1923.

CLASS 31.

Refrigerating and ice-making plants, apparatus, machines, and parts and accessories thereof. Carbondale Machine Company. 172,204; Aug. 28; Serial No. 172,637; published May 29, 1923.

CLASS 32.

Bed springs. Cleveland Wire Spring Company. 172,305; Aug. 28; Serial No. 175,466; published May 15, 1923.
Chairs, porch rockers, and settees, Porch. H. A. Peart. 172,372–3; Aug. 28; Serial Nos. 158,645–6; published May 15, 1923.
Chest, Cedar. Ed. Roos Company of Forest Park. 172,359; Aug. 28; Serial No. 173,675; published May 1, 1923.
Costumer. Nightrack Manufacturing Company. 172,364; Aug. 28; Serial No. 174,185; published May 1, 1923.
Cushions, Hair carpet and hair seat. American Hair Felt Co. 172,349; Aug. 28; Serial No. 173,066; published May 1, 1923.
Furniture, Dining-room. Bockstege Furniture Co. 172,353; Aug. 28; Serial No. 173,347; published May 8, 1923.
Mattresses. Stearns & Foster Company. 172,370; Aug. 28; Serial No. 160,094; published May 8, 1923.
Mirrors, picture frames, Hand. E. I. du Pont de Nemours & Company. 172,386; Aug. 28; Serial No. 170,239; published May 8, 1923.
Partitions, Portable sectional. Unit Construction Company. 172,379–80; Aug. 28; Serial Nos. 152,048–9; published May 1, 1923.
Pillows and cushions. Sunset Feather Co. 172,346; Aug. 28; Serial No. 172,911; published May 1, 1923.
Shades, Window. H. M. Brown. 172,453; Aug. 28; Serial No. 172,506; published May 1, 1923.
Springs, Box. International Bedding Co. 172,404; Aug. 28; Serial No. 164,049; published May 15, 1923.
Tables, Take-down. G. E. Tomlinson. 172,362; Aug. 28; Serial No. 173,943; published May 1, 1923.

CLASS 34.

Oven slides. Turnit Oven Company. 172,502; Aug. 28.
Ranges, Domestic gas. Detroit City Gas Co. 172,278; Aug. 28; Serial No. 170,128; published May 29, 1923.

CLASS 35.

Belting, hose, packing, etc., Woven. Wm. E. Hooper & Sons Co. 172,285; Aug. 28; Serial No. 168,152; published May 29, 1923.
Casings and tires, hose, tubing, reliners, inner tubes, etc. Federal Rubber Company of Illinois. 172,277; Aug. 28; Serial No. 170,760; published May 22, 1923.
Tires and rubber tubes therefor, Vehicle. Fisk Rubber Company. 172,443; Aug. 28; Serial No. 171,454; published May 29, 1923.
Tires, auto tire flaps, reliners, etc., Elastic vehicle. Sieberling Rubber Company. 172,503; Aug. 28.

CLASS 36.

Musical instruments, parts, and strings therefor, Stringed. H. A. Weymann & Son, Inc. 172,269–70; Aug. 28; Serial Nos. 177,534–5; published May 15, 1923.
Phonographic apparatus, Device for controlling the starting and stopping of. Thomas A. Edison, Incorporated. 172,259; Aug. 28; Serial No. 139,518; published May 15, 1923.
Phonographs. Goldenola Talking Machine Co. 172,407; Aug. 28; Serial No. 174,732; published May 15, 1923.
Saxophone and clarinet reeds. G. E. Lefebvre. 172,428; Aug. 28; Serial No. 176,195; published May 15, 1923.

CLASS 37.

Currency straps of $500 denominations. Spurgin Manufacturing Company. 172,271; Aug. 28; Serial No. 177,575; published May 29, 1923.
Moisteners. A. J. Buren. 172,252; Aug. 28; Serial No. 156,048; published May 29, 1923.
Paper and wrapping paper, Book. West Virginia Pulp & Paper Company. 172,266; Aug. 28; Serial No. 177,256; published May 29, 1923.
Paper for printing bonds, checks, etc. J. C. Hall Company. 172,406; Aug. 28; Serial No. 174,616; published May 29, 1923.
Paper for trading stamps, coupons, etc. Eureka Specialty Printing Company. 172,300; Aug. 28; Serial No. 178,240; published May 29, 1923.
Paper, Printing and writing. Cincinnati Cordage & Paper Co. 172,210; Aug. 28; Serial No. 173,404; published May 29, 1923.
Paper to be printed or lithographed, Coated. McLaurin-Jones Co. 172,415; Aug. 28; Serial No. 178,761; published May 22, 1923.
Paper, Toilet. Perkins & Butler, Inc. 172,297; Aug. 28; Serial No. 177,990; published May 29, 1923.
Paper, Waxed. Hamersley Manufacturing Company. 172,417; Aug. 28; Serial No. 178,920; published May 29, 1923.
Paper, Writing. H. G. Pohlmann. 172,257; Aug. 28; Serial No. 148,851; published May 29, 1923.
Pencils, Lead. Blaisdell Pencil Company. 172,299; Aug. 28; Serial No. 178,212; published May 29, 1923.
Writing and drawing surfaces. Stewart Corporation. 172,416; Aug. 28; Serial No. 178,879; published May 29, 1923.

CLASS 38.

Periodicals. W. H. Wood. 172,388; Aug. 28; Serial No. 169,462; published Dec. 19, 1922.

CLASS 39.

Belts. J. P. Gordon. 172,509; Aug. 28.
Caps. H. H. Cohen. 172,505; Aug. 28.
Caps, Adjustable. Town Talk Mfg. Co. 172,507; Aug. 28.
Caps and hats for men and women. Crofut & Knapp Co. 172,508; Aug. 28.
Clothes, Men's and women's sport. H. G. Warland. 172,211; Aug. 28; Serial No. 173,457; published May 29, 1923.
Coats, cloaks, suits, etc., Women's, children's, and infants'. Salt's Textile Manufacturing Company. 172,212; Aug. 28; Serial No. 173,676; published May 29, 1923.
Coats, Infants'. Federal Underwear Co. 172,200; Aug. 28; Serial No. 171,837; published May 29, 1923.
Corsets. F. P. Hoy, Inc. 172,279; Aug. 28; Serial No. 169,972; published May 29, 1923.
Dresses. A. H. Morgen. 172,432; Aug. 28; Serial No. 176,753; published May 29, 1923.
Dresses and aprons, House. Richardson Dry Goods Company. 172,208; Aug. 28; Serial No. 173,301; published May 29, 1923.
Fur coats, wraps, scarfs, etc. Wells-Treister Co. 172,205; Aug. 28; Serial No. 172,699; published May 29, 1923.
Hats and hat frames, Ladies'. Amsterdam, Borgos & Adams. 172,381; Aug. 28; Serial No. 142,459; published May 17, 1921.
Hats for women. Julius Tofias & Bro. 172,292; Aug. 28; Serial No. 165,898; published May 29, 1923.
Hats, Straw. Caradine Harvest Hat Company. 172,823; Aug. 28; Serial No. 168,999; published May 29, 1923.
Hosiery. May Hosiery Mills. 172,215; Aug. 28; Serial No. 173,843; published May 29, 1923.
Hosiery. Milo Silk Hosiery Mills. 172,216; Aug. 28; Serial No. 173,973; published May 29, 1923.
Hosiery. Phillips & Hart. 172,207; Aug. 28; Serial No. 173,297; published May 29, 1923.
Hosiery, knitted underwear, gloves, mittens, gauntlets. John E. Hurst & Co. 172,209; Aug. 28; Serial No. 173,327; published May 29, 1923.
Neckties, Men's. Parker-Bridget Company. 172,280; Aug. 28; Serial No. 169,818; published May 29, 1923.
Overalls. Cleveland Overall Company. 172,202; Aug. 28; Serial No. 172,212; published May 29, 1923.
Overalls, shirts, pants or trousers, coats, etc. Robt. Krause Co. 172,275; Aug. 28; Serial No. 171,701; published May 29, 1923.
Shoes. A. E. Brown Shoe Co. 172,256; Aug. 28; Serial No. 149,261; published Jan. 9, 1923.
Shoes. Sachs Shoe Manufacturing Company. 172,276; Aug. 28; Serial No. 170,993; published May 29, 1923.
Shoes. Thomson-Crooker Shoe Company. 172,282; Aug. 28; Serial No. 169,037; published Dec. 19, 1922.
Shoes, Leather. Geo. E. Coffin Shoe Co. 172,504; Aug. 28.
Shoes, Leather. Menihan Company 172,293; Aug 28; Serial No. 165,259; published Dec. 19, 1922.
Sweaters, Knit. D. Starr. 172,281; Aug. 28; Serial No. 169,141; published May 29, 1923.
Undergarments, Children's. The Fair. 172,402; Aug. 28; Serial No. 164,882; published Oct. 31, 1922.

CLASS 40.

Beads. Nelson Bead Company. 172,236; Aug. 28; Serial No. 175,151; published May 8, 1923.
Braid. American Webbing Company. 172,390; Aug. 28; Serial No. 168,703; published May 8, 1923.
Buckles and belt links. E. Abraham. 172,321; Aug. 28; Serial No. 176,589; published May 8, 1923.
Clasps for arm bands. Ansonia O & C Co. 172,401; Aug. 28; Serial No. 165,053; published May 1, 1923.
Combs. American Hard Rubber Company. 172,348; Aug. 28; Serial No. 173,024; published May 15, 1923.
Dress shields. Canfield Rubber Company. 172,290; Aug. 28; Serial No. 166,292; published May 15, 1923.
Hooks and eyes, snap fasteners, and safety pins. De Long Hook and Eye Company. 172,248; Aug. 28; Serial No. 159,351; published May 22, 1923.
Hooks and eyes, snap fasteners, safety pins, etc. De Long Hook and Eye Company. 172,244; Aug. 28; Serial No. 161,767; published May 22, 1923.
Needles. John James & Sons Limited. 172,298; Aug. 28; Serial No. 178,104; published May 22, 1923.
Pins and hairpins of nonprecious metal and hand sewing needles. Kirby, Beard & Co. 172,448; Aug. 28; Serial No. 172,228; published May 1, 1923.
Pins and hairpins of nonprecious metals. Kirby, Beard & Co. 172,449; Aug. 28; Serial No. 172,229; published May 1, 1923.
Pins, hairpins, and hand sewing needles. Kirby, Beard & Co. 172,457; Aug. 28; Serial No. 172,681; published May 1, 1923.
Pins, hairpins, safety pins, elastics, and hair nets. Aller Brothers. 172,354; Aug. 28; Serial No. 173,390; published May 15, 1923.
Pins of nonprecious metal. Kirby, Beard & Co. 172,450; Aug. 28; Serial No. 172,230; published May 1, 1923.
Pins, Safety. American Pin Company. 172,327; Aug. 28; Serial No. 177,061; published May 8, 1923.
Pins, Safety. Sears, Roebuck and Co. 172,237; Aug. 28; Serial No. 175,215; published May 8, 1923.
Shirts from creeping up, Devices for preventing. Shirt Snubers Company. 172,322; Aug. 28; Serial No. 176,577; published May 8, 1923.
Snap fasteners. Raden Bros. 172,383; Aug. 28; Serial No. 138,690; published Mar. 8, 1921.
Tape and braid of all kinds. F. W. Woolworth Co. 172,335; Aug. 28; Serial No. 177,807; published May 8, 1923.
Wires and straw braids. Holyoke Company. 172,261; Aug. 28; Serial No. 132,740; published May 22, 1923.

CLASS 42.

Silk piece goods. Standard Silk Dyeing Co. 172,483; Aug. 28.

CLASS 44.

Antiseptic dressings, gauzes, cottons, and bandages. Deane Plaster Co. 172,423; Aug. 28; Serial No. 175,347; published May 29, 1923.
Cotton, gauze, etc., Absorbent. A. Radetzky. 172,394; Aug. 28; Serial No. 167,535; published Mar. 27, 1923.
Germicides or disinfectants, Apparatus for generating and diffusing vaporized. Newton, Chambers & Co. 172,296; Aug. 28; Serial No. 177,922; published May 29, 1923.
Manicure sets. J. Richter. 172,412; Aug. 28; Serial No. 178,627; published May 29, 1923.
Massaging or exercising the human body, Devices for. T. Lawton. 172,274; Aug. 28; Serial No. 177,851; published May 29, 1923.
Medical and surgical appliances. First Aid Specialty Company. 172,265; Aug. 28; Serial No. 177,177; published May 29, 1923.
Medical and surgical appliances. Pfau's American Instruments Co. 172,422; Aug. 28; Serial No. 175,024; published May 15, 1923.

CLASS 45.

Beverage sold as a soft drink and sirups and extracts for making same. California Alfalfa Products Company. 172,230; Aug. 28; Serial No. 175,299; published May 29, 1923.
Beverages sold as soft drinks and sirups for making same. Mouquin Restaurant and Wine Company. 172,324; Aug. 28; Serial No. 176,686; published May 29, 1923.
Beverages sold as soft drinks and sirups for making same. Westchester Bottling Works. 172,325; Aug. 28; Serial No. 176,700; published May 29, 1923.
Ginger ale. I. L. Flory. 172,231; Aug. 28; Serial No. 174,692; published May 29, 1923.
Water, Mineral. W. H. Thurman. 172,303; Aug. 28; Serial No. 175,415; published May 29, 1923.

CLASS 46.

Almond paste, blanched peanuts, etc. National Almond Products Co. 172,254; Aug. 28; Serial No. 155,513; published May 29, 1923.
Bran. Potter-Wrightington, Inc. 172,469; Aug. 28; Serial No. 171,467; published May 8, 1923.
Bread. General Baking Company. 172,460; Aug. 28; Serial No. 160,056; published May 8, 1923.
Bread. New England Bakery Company. 172,478; Aug. 28.
Bread. Original Ry-Krisp Co. 172,490; Aug. 28.
Bread. Tip Top Baking Co. 172,494; Aug. 28.
Bread. Ward Baking Company. 172,442; Aug. 28; Serial No. 171,436; published May 1, 1923.
Bread, biscuits, cake, cookies, etc. M. D. Coulter. 172,477; Aug. 28; Serial No. 173,180; published May 1, 1923.
Butter, Creamery. Harrow-Taylor Butter Co. 172,466; Aug. 28; Serial No. 170,328; published May 8, 1923.
Cabbage, Pickled. Block-Zimmerman & Company. 172,206; Aug. 28; Serial No. 173,226; published May 29, 1923.
Cake, Chocolate. American Biscuit Company. 172,479; Aug. 28.
Candies and eating chocolates. J. F. Schmidt. 172,241; Aug. 28; Serial No. 164,720; published Dec. 19, 1922.
Candy. Chocolate Products Company. 172,420; Aug. 28; Serial No. 174,890; published May 29, 1923.
Candy, Chocolate. Maatschappij tot Exploitatie van Rademaker's Koninklijke Cacao en Chocoladefabrieken. 172,288; Aug. 28; Serial No. 166,533; published May 1, 1923.
Canned corn. F. J. Tyler. 172,243; Aug. 28; Serial No. 162,328; published Apr. 24, 1923.
Canned crab. H. F. Blum. 172,506; Aug. 28.
Cantaloupes, fresh citrous fruits, and grapes. T. H. Peppers. 172,501; Aug. 28.
Cattle, leghorns, milk goats, and eggs. A. C. Etzel. 172,480; Aug. 28.
Cheese, Swiss. Alpina Cheese Co. 172,465; Aug. 28; Serial No. 170,111; published May 8, 1923.
Chocolate coating. Ideal Cocoa & Chocolate Co. 172,408; Aug. 28; Serial No. 174,741; published May 29, 1923.
Chocolate coating. Ideal Cocoa & Chocolate Co. 172,409; Aug. 28; Serial No. 174,781; published May 29, 1923.
Chocolate coating. Ideal Cocoa & Chocolate Co. 172,410; Aug. 28; Serial No. 174,782; published May 29, 1923.
Coffee. F. S. Smith. 172,255; Aug. 28; Serial No. 153,480; published May 22, 1923.
Cookies and confectionery. T. A. Huston & Co. 172,470; Aug. 28; Serial No. 171,696; published May 8, 1923.
Cracker products and Dutch-style cookies. W. R. Montague Company. 172,438; Aug. 28; Serial No. 171,098; published May 1, 1923.
Crackers. Standard Biscuit Company. 172,489; Aug. 28.
Crackers and cakes, and cracker meal. Green & Green Company. 172,458; Aug. 28; Serial No. 158,772; published May 15, 1923.
Dates. Th. Glocalas & V. Coylmzoglu. 172,219; Aug. 28; Serial No. 174,495; published May 29, 1923.
Doughnut, Cholocate-coated. Miller-Caldan Company. 172,439; Aug. 28; Serial No. 171,228; published May 1, 1923.
Feed, Poultry. Ansted & Burk Co. 172,471; Aug. 28; Serial No. 171,783; published May 8, 1923.
Feed, Poultry. Ralston Purina Company. 172,437; Aug. 28; Serial No. 173,722; published May 8, 1923.
Feed, Poultry. Tioga Mill & Elevator Co. 172,434; Aug. 28; Serial No. 173,687; published May 8, 1923.
Flour and corn meal, Wheat, graham, and buckwheat. A. T. Kelsey. 172,492; Aug. 28.
Flour, Self-rising. American Hominy Company. 172,435; Aug. 28; Serial No. 173,391; published May 8, 1923.
Flour, Self-rising. Lawrenceburg Roller Mills Co. 172,467-8; Aug. 28; Serial Nos. 170,772-3; published May 8, 1923.
Flour, Self-rising wheat. Ballard & Ballard Co. 172,473; Aug. 28; Serial No. 172,719; published May 8, 1923.
Flour, Wheat. Black Bros. Flour Mills. 172,445; Aug. 28; Serial No. 171,609; published May 1, 1923.
Flour, Wheat. Cadick Milling Company. 172,491; Aug. 28.
Flour, Wheat. Kehlor Flour Mills Company. 172,447; Aug. 28; Serial No. 171,927; published May 1, 1923.
Flour, Wheat. Midland Flour Milling Co. 172,436; Aug. 28; Serial No. 173,655; published May 8, 1923.
Flour, Wheat. Red Star Milling Company. 172,472; Aug. 28; Serial No. 172,173; published May 8, 1923.
Flour, Wheat. Standard-Tilton Milling Co. 172,481; Aug. 28.
Flour, Wheat. Wabasha Roller Mill Company. 172,476; Aug. 28; Serial No. 172,918; published May 8, 1923.
Foods, Cereal breakfast. Postum Cereal Company. 172,234; Aug. 28; Serial No. 174,976; published May 15, 1923.
Foodstuffs preserved in hermetically-sealed containers. W. H. Killian Co. 172,287; Aug. 28; Serial No. 167,179; published May 8, 1923.
Grapefruit, oranges, tangerines, pineapples, etc., Fresh. J. Pratt Carroll, Inc. 172,289; Aug. 28; Serial No. 166,347; published May 29, 1923.
Ice-cream cones. Walter J. Hirsch Company. 172,203; Aug. 28; Serial No. 172,534; published May 29, 1923.
Lard, vinegar, olives, pickles, sauerkraut, etc. C. Perceval. 172,464; Aug. 28; Serial No. 169,819; published May 1, 1923.
Meats, dried beef, sausage, ham, bacon, lard, and butter, Smoked. Iowa Packing Co. 172,461; Aug. 28; Serial No. 160,290; published May 1, 1923.
Oleo, oleo oil, and shortening. Consolidated Rendering Co. 172,462; Aug. 28; Serial No. 162,723; published May 8, 1923.
Pies, cakes, bread, and pastries. C. W. Gosney. 172,463; Aug. 28; Serial No. 169,757; published May 8, 1923.
Pretzels. York Pretzel Bakery. 172,474-5; Aug. 28; Serial Nos. 172,790-1; published May 8, 1923.
Semolina. Pillsbury Flour Mills Company. 172,495-6; Aug. 28.
Sirups and preserves, etc. Temtor Corn & Fruit Products Co. 172,258; Aug. 28; Serial No. 145,179; published Aug. 2, 1921.
Soup mixture, vegetables, fish, etc., Dehydrated. Anhydrous Food Products Co. 172,384; Aug. 28; Serial No. 136,346; published Apr. 10, 1923.
Taffy, Salt-water. Theo. J. Lapres, Inc. 172,286; Aug. 28; Serial No. 167,777; published May 29, 1923.
Tamari, vinegar, extract of soy, etc. G. Hamaguchi. 172,218; Aug. 28; Serial No. 174,434; published May 29, 1923.
Tea, coffee, rice, and extracts for seasoning foods. T. Masuda. 172,459; Aug. 28; Serial No. 159,518; published May 8, 1923.

CLASS 47.

Wine, Champagne. Societe Vinicole De Champagne. 172,400; Aug. 28; Serial No. 165,214; published May 29, 1923.

CLASS 50.

Waterproof automobile and carriage fabric. F. S. Carr Company. 172,267; Aug. 28; Serial No. 177,273; published May 29, 1923.

CLASSIFIED LIST OF TRADE-MARK TITLES.

PUBLISHED FOR OPPOSITION.

[Act of Feb. 20, 1905, Sec. 6, as amended Mar. 2, 1907.]

CLASS 1.

Molding composition. Industrial Molded Materials Company. 167,353; Aug. 28.

CLASS 3.

Bags, Traveling. Direct Method Company. 182,572; Aug. 28.

CLASS 4.

Soap, Toilet. Empire Soap Company. 176,889-90; Aug. 28.

CLASS 6.

Arsphenamine and neoarsphenamine. Abbott Laboratories. 177,889; Aug. 28.
Baking powder bicarbonate of soda, gloss starch. Dudley & Co. 179,859; Aug. 28.
Bay rum, witch-hazel, alcohol body rub, etc. Minneapolis Brewing Company. 179,159; Aug. 28.
Chemical composition for tree wounds. Davey Tree Expert Company. 183,055; Aug. 28.
Chemical preparation for preserving fresh sausage. B. Heller & Company. 171,125; Aug. 28.

PUBLISHED FOR OPPOSITION.

[Act of Feb. 20, 1905, Sec. 6, as amended Mar. 2, 1907.]

Chemical preparation for preserving smoked sausage. B. Heller & Company. 171,127; Aug. 28.
Depilatory. L. Claverie. 177,275; Aug. 28.
Dyestuffs. G. Bothamley. 171,568; Aug. 28.
Flux, Foundry. Hillside Fluor Spar Mines. 179,792; Aug. 28.
Hair grower and dandruff preparation. C. L. Green. 181,023; Aug. 28.
Hair grower, pressing oil, etc. P. Woodard. 178,486; Aug. 28.
Hypochlorite solution, Double-acting alkaline. Western Chemical Co. 179,119; Aug. 28.
Iron and manganese solution for anæmia, etc. E. Galbrun. 180,854; Aug. 28.
Liquid for exterminating insects. No-Mor Products Co. 180,292; Aug. 28.
Meat-curing chemical preparation. B. Heller & Company. 171,755; Aug. 28.
Medical compounds for the treatment of rheumatism. Kattulas and Sotos. 177,674; Aug. 28.
Medical preparations for leucorrhea, etc. Peck & Sterba. 178,405; Aug. 28.
Medicinal preparation. G. W. Carnrick Co. 178,089; Aug. 28.
Medicinal preparation. Fluenzol Proprietary, Ltd. 169,897; Aug. 28.
Medicinal preparations for gonorrhea and syphilis. S. Glickson. 164,538; Aug. 28.
Medicine for the treatment of leucorrhea, ulceration of the womb, etc. C. L. Hughes. 178,041; Aug. 28.
Nitrous oxide and medicinal oxygen. E. F. Platt. 178,770; Aug. 28.
Ointments, salves, etc. National Pharmacal Company. 177,686; Aug. 28.
Perfumes. Leigh Chemist, Inc. 181,287; Aug. 28.
Pessaries, suppositories, and a preparation of iodine. Menley & James, Limited. 177,188; Aug. 28.
Pile cure. Puro Products Co. 177,407; Aug. 28.
Pills. F. S. Grey. 180,537; Aug. 28.
Plasters, Medicated. Authorized Wassermann Medical Corporation. 177,211; Aug. 28.
Powder, cold cream, hair pomade, etc., Face. The Arroway. 179,345; Aug. 28.
Powder, Dry black chemical. Chimnee Sweep Manufacturing Company. 178,825; Aug. 28.
Powder, perfume, rouge, etc., Face. G. D. Earl. 162,729; Aug. 28.
Preparation for inflammation of kidney and bladder, cystitis, etc. J. R. Prochnow. 165,034; Aug. 28.
Preparation for the treatment of piles. M. M. Winchell Co. 180,093; Aug. 28.
Remedy to prevent hemorrhages. D. C. Smith. 181,417; Aug. 28.
Roach-exterminating poison. W. S. Patjens. 180,773; Aug. 28.
Rouge. Remiller Co. 180,723; Aug. 28.
Salt for curing meat. B. Mayer. 177,014; Aug. 28.
Salves and pills for piles. A. K. Condrajian. 180,328; Aug. 28.
Sulphur. San Francisco Sulphur Co. 181,352; Aug. 28.
Suppositories, Vaginal. J. R. Yagyu. 179,022; Aug. 28.
Tablets for the relief of headache, neuralgia, colds, rheumatism, etc. M. C. Smucker. 180,900; Aug. 28.
Tonics for animals. Moorman Manufacturing Company. 169,316; Aug. 28.
Vegetable, mineral, and animal products. Lee-Strauss Co. 181,345; Aug. 28.

CLASS 8.

Pipe racks. H. Lubin. 183,074; Aug. 28.

CLASS 9.

Guns, Recoil pads for. Jostam Mfg. Co. 182,515; Aug. 28.
Matches. Jonkoping och Vulcans Tandsticksfabriksaktiebolag. 140,435; Aug. 28.
Matches. Jonkoping och Vulcans Tandsticksfabriksaktiebolag. 140,455; Aug. 28.
Matches. Jonkoping och Tandsticksfabriksaktiebolag. 140,463; Aug. 28.
Signal fusees. F. L. Wanklyn. 178,785; Aug. 28.

CLASS 12.

Bricks and roofing tile, Building. N. Esperson. 171,587; Aug. 28.
Wood, Treated. Su-Dex Wood Curing Company. 164,606-7; Aug. 28.

CLASS

Door-knob fasteners. Gripx Manufacturing Co. 173,079; Aug. 28.
Shower and shampoo fixtures, curtain rods, etc. M. Behrer. 144,958; Aug. 28.
Valves, urinal spreaders, strainers, etc., Flush and urinal. Hedges & Brother. 178,696; Aug. 28.

CLASS 15.

Dental instruments, Lubricating and sterilizing medium for. H. P. Emeis. 177,433; Aug. 28.

Gasoline. Interocean Oil Company. 181,027; Aug. 28.
Oils and oiling compositions. Union Petroleum Company. 180,990; Aug. 28.
Oils, Lubricating. Standard Oil Company, (New Jersey). 181,661; Aug. 28.
Oils, Rustproofing. American Chemical & Manufacturing Corporation. 169,432; Aug. 28.

CLASS 16.

Paint and varnish remover. Paint Products Co. 179,952; Aug. 28.
Paints, varnishes, stains, paint enamels, Ready-mixed. Star-Peerless Wall Paper Mills. 178,939; Aug. 28.

CLASS 19.

Automobile bumpers. New York Wire & Spring Company. 173,716; Aug. 28.
Automobile taxicabs. Yellow Cab Manufacturing Co. 178,487-8; Aug. 28.
Bicycles. Emblem Manufacturing Company. 169,160; Aug. 28.
Cars, Motor. Peerless Motor Car Company. 174,483; Aug. 28.
Curtain-window lights and vehicle top fabrics. H. Scherer & Company. 178,065; Aug. 28.
Vehicles, Gasoline. Rubay Company. 171,658; Aug. 28.

CLASS 21.

Electric light and power plants, Unitary. Sunbeam Electric Manufacturing Co. 137,862; Aug. 28.

CLASS 22.

Cards, Playing. United States Playing Card Company. 178,536; Aug. 28.
Dolls and stuffed animals. Davis & Voetsch. 181,982; Aug. 28.
Fishing reels. A. F. Meisselbach Mfg. Co. 173,574; Aug. 28.
Toy vehicles. Colson Company. 148,870; Aug. 28.

CLASS 23.

Cutting and planing machine, Earth. E. G. Carr. 162,333; Aug. 28.
Engine governors. Hydro Governor Co. 161,882; Aug. 28.
Gears and shafts. American Gear Company. 180,461; Aug. 28.
Gears, Metallic and nonmetallic. R. N. Brodie. 179,764; Aug. 28.
Oil purifiers or oil separators, Centrifugal. Koefoed, Hauberg, Marstrand & Helweg Aktieselskabet Titan. 177,042; Aug. 28.
Tools and appliances for automotive vehicles, etc. L. Schwab. 168,857; Aug. 28.

CLASS 26.

Humidity regulators. Parks Cramer Company. 182,482; Aug. 28.
Hydrometers. G. I. Stadeker. 181,423; Aug. 28.
Levels. Stanley Works. 172,296; Aug. 28.
Squares, family weighing scales, shingling-hatchet gauges, etc., Carpenters' steel. Baker, Hamilton and Pacific Company. 170,350; Aug. 28.

CLASS 27.

Watchcases. Joseph Fahys & Company. 175,777; Aug. 28.

CLASS 28.

Rings, Finger. H. E. Kaplan. 180,436; Aug. 28.

CLASS 29.

Brushes, Paint, varnish, and calcimine. Hanlon & Goodman Co. 170,189; Aug. 28.
Toothbrushes. T. P. Hyatt. 169,400; Aug. 28.
Windshield cleaners of the squeegee type. H. D. Thomas. 180,153; Aug. 28.

CLASS 32.

Beds, bed springs, and mattresses. U. S. Bedding Company. 179,246; Aug. 28.
Chests, Cedar. Lane Co. 180,377; Aug. 28.
Mattresses. Marshall Ventilated Mattress Co. 181,838; Aug. 28.
Phonograph-record-display stand. Musical Products Distributing Co. 180,715; Aug. 28.
Towel cabinets. J. N. Borroughs. 178,023; Aug. 28.

CLASS 34.

Headlights, Glare-shield attachments for automobile. Patent Novelty Company. 176,208; Aug. 28.

CLASS 35.

Piston and other rods, Metallic packing for. United States Metallic Packing Company. 178,009; Aug. 28.
Piston and other rods, Metallic packing for. United States Metallic Packing Company. 178,076; Aug. 28.

PUBLISHED FOR OPPOSITION.

[Act of Feb. 20, 1905, Sec. 6, as amended Mar. 2, 1907.]

CLASS 37.

Book and catalogue covers and decorative effects. David J. Molloy Company. 179,378; Aug. 28.
Paper, correspondence envelopes, etc., Writing. Mid West Paper & Envelope Co. 168,118; Aug. 28.
Paper, envelopes, print book cover, etc., Wrapping and manila. J. W. Butler Paper Co. 180,839; Aug. 28.
Paper, etc. Chicago Paper Company. 171,725; Aug. 28.
Paper, etc., Wrapping, manila, document, print, and other. Central Michigan Paper Company. 181,245; Aug. 28.
Paper, Ledger. H. P. Andrews Paper Company. 167,760; Aug. 28.
Pencils, Lead and carpenters'. Baker, Hamilton and Pacific Company. 170,349; Aug. 28.
Tablets, etc., Writing. Osborn Paper Company. 173,295; Aug. 28.
Writing pads, game score cards, tabulating and computing pads, etc. R. J. Turner. 179,895; Aug. 28.

CLASS 38.

Correspondence courses in applied arts, etc. H. W. Lamb. 174,742; Aug. 28.
Directories published semiannually. Tell-U-Where Co. of America. 178,693; Aug. 28.
Magazine, Monthly. Keystone Publishing Co. 179,374; Aug. 28.
Publication, Periodical. Norristown Herald Printing and Publishing Co. 179,738; Aug. 28.

CLASS 39.

Apparel, Infants' and children's wearing. R. M. Raphael. 171,434; Aug. 28.
Apparel, Infants' and young children's. S. Rouff. 174,864; Aug. 28.
Aprons and dresses, Women's. Sterling Company. 180,918; Aug. 28.
Bandeau and girdle, brassière and girdle, and brassière and corselette, Combined. D. Bickum. 178,953; Aug. 28.
Belts. Champion Manufacturing Co. 177,473; Aug. 28.
Bibs. G. Carlson. 179,029; Aug. 28.
Boots and shoes, Leather. Commonwealth Shoe and Leather Company. 178,804; Aug. 28.
Boots and shoes, Supplemental soles for. H-M Manufacturing Co. 177,605; Aug. 28.
Boots, shoes, etc. H. H. Roosa. 167,658; Aug. 28.
Brassières. W. S. D. Underwear Co. 178,586; Aug. 28.
Brassières, corsets, camisoles, chemises, etc. Grande Maison De Blanc, Inc. 175,141; Aug. 28.
Corsets, corselettes, and brassières. Fifth Avenue Corset Company. 178,171; Aug. 28.
Corsets, corset waists, brassières, bandeaux, etc. Frolaset Corset Co. 177,180; Aug. 28.
Corsets, waist corsets, brassières, etc. C. Munter. 179,813; Aug. 28.
Dresses. Borgenicht & Sons Co. 178,843; Aug. 28.
Dresses. L. Hirsch & Son. 182,245; Aug. 28.
Dresses. J. L. Hudson Co. 180,121; Aug. 28.
Dresses, Textile cotton. Lancaster Mills. 172,747; Aug. 28.
Fur garments. P. Richman. 162,349; Aug. 28.
Garments, Children's semimade. W. T. Grant Company. 171,911; Aug. 28.
Garments for female wear, Outer. Horatio Simon & Co. 173,339; Aug. 28.
Garters, belts, neckties, boudoir caps, etc. Western Fancy Goods Company. 171,561; Aug. 28.
Gloves. Lilienthal & Grossman, Inc. 176,352; Aug. 28.
Gowns, dresses, and costumes, Ladies'. Little Women Dress Co. 181,956; Aug. 28.
Hats and caps. Rahiner Brothers. 178,670; Aug. 28.
Hosiery. Berendsen Silk Knitting Co. 179,646-7; Aug. 28.
Hosiery. Cliver-Wright-Rainey Co. 182,134; Aug. 28.
Hosiery. Paramount Knitting Company. 172,650; Aug. 28.
Hosiery. Stocking Shops of America, Inc. 171,669; Aug. 28.
Hosiery. Tex-Craft Company. 179,974; Aug. 28.
Hosiery. Van Raalte Company. 179,835; Aug. 28.
Hosiery. A. A. Wuest. 181,800; Aug. 28.
Hosiery, underwear, sweaters. Weber Levy Company. 179,759; Aug. 28.
Knitted and nainsook underwear and sweaters. O. L. Stanard Dry Goods Co. 178,412; Aug. 28.
Knitted and textile underwear. Manny-Rielly Co. 177,135; Aug. 28.
Knitted bathing suits. Milton G. Cooper Dry Goods Co. 182,137; Aug. 28.
Knitted jackets, coats, sweaters, and golf stockings. A. Bergman. 179,923; Aug. 28.
Knitted sweaters, sport coats, and knitted toques, etc. Meyer-Wise & Kniehen Company. 177,045; Aug. 28.
Overalls and overall coats. Doe River Overall Company. 176,608; Aug. 28.
Overcoats, raincoats, smoking jackets, etc. Heidelberg, Wolff & Co. 179,723; Aug. 28.
Overcoats, raincoats, vests, trousers, etc. Style-Center Tailoring Company. 175,831; Aug. 28.
Rubber heels for shoes. Holtite Manufacturing Company. 178,844; Aug. 28.
Shirts. Wallcraft Shirt Co. 178,646; Aug. 28.
Shirts, Dress. C. R. Miller Mfg. Co. 172,115; Aug. 28.
Shirts, Dress. J. D. Silberstein & Sons, Inc 175,441-2; Aug. 28.
Shirts, Men's dress and negligee. M. Kolber. 178,926-7; Aug. 28.
Shoes. Cammeyer. 178,327-8; Aug. 28.
Shoes. Hutzler Brothers Co. 177,848; Aug. 28.
Shoes, Children's leather. Wood & Smith, Inc. 179,077; Aug. 28.
Stockings and socks. John M. Haley & Co. 179,938; Aug. 28.
Suits. Strawbridge & Clothier. 180,151; Aug. 28.
Sweaters. Quaker City Sweater Mills. 163,647; Aug. 28.
Sweaters. Quaker City Sweater Mills. 163,649; Aug. 28.
Trousers. Polo Manufacturing Company. 182,113; Aug. 28.
Underwear. Marble Mills, Inc. 179,874; Aug. 28.
Underwear. Orent's Department Store, Inc. 171,136; Aug. 28.
Underwear, hosiery, etc. Fairy Silk Mills. 178,334; Aug. 28.
Underwear, hosiery, suspenders, etc. A. O. Switzer. 179,891; Aug. 28.
Underwear, Men's. Abraham & Straus, Inc. 172,815; Aug. 28.
Underwear, Women's muslin. Gutman Bros. 175,489; Aug. 28.

CLASS 40.

Pins. William Prym Company. 175,997; Aug. 28.

CLASS 42.

Carpets, rugs, and draperies. Asia Sales Corporation. 181,236; Aug. 28.
Cotton goods in the piece. Neuss, Hesslein & Company. 177,507; Aug. 28.
Cotton goods in the piece. Wm. Simpson, Sons & Co. 182,679; Aug. 28.
Cotton piece goods. American Bleached Goods Company. 182,896; Aug. 28.
Cotton piece goods. Cherokee Spinning Company. 182,788-9; Aug. 28.
Cotton piece goods. Milius, Hesse & Levy. 183,117; Aug. 28.
Cotton piece goods. Neuss, Hesslein & Co. 182,356; Aug. 28.
Cotton piece goods. F. U. Stearns & Company. 181,963; Aug. 28.
Cotton, silk, woolen, etc., piece goods, ribbon, etc. American Lady Corset Company. 179,917; Aug. 28.
Cretonnes, linens, reps, etc. Atkinson, Wade & Co. 173,342; Aug. 28.
Fabrics. David Adler & Sons Company. 174,761; Aug. 28.
Fabrics in the piece, Pile. Sidney Blumenthal & Co. 179,848; Aug. 28.
Gingham. Herbert B. Lederer Corp. 177,089; Aug. 28.
Hair nets. Sitroux Importing Co. 183,238; Aug. 28.
Handkerchiefs. New York Merchandise Company. 182,603; Aug. 28.
Handkerchiefs. J. Silberstein. 183,088; Aug. 28.
Linen, canvas, cotton, and sail cloth piece goods. Lamport Company of Texas Inc. 173,133; Aug. 28.
Linings, pocketings, and interlinings. Goetz-Berlin Co. 175,485; Aug. 28.
Quilts and textile blankets. I. Rothchild. 179,961; Aug. 28.
Sheetings and pillowcases. Service Equipment Co. 183,256; Aug. 28.
Silk, cotton, and wool piece goods, and combinations thereof. Arthur Beir & Co. 174,953; Aug. 28.
Silk, cotton, linen, and woolen piece goods. Haas Brothers Fabrics Corporation. 182,344; Aug. 28.
Silk, cotton, linen, and woolen piece goods. Roubaix Mills, Inc. 182,359; Aug. 28.
Silk, cotton, wool, and mixtures of same piece goods. Societe Rodier. 180,505; Aug. 28.
Silk fabrics. Golding Fabrics Corporation. 183,336; Aug. 28.
Silk goods in the piece. Jacob Miller's Sons Co. 181,038; Aug. 28.
Veils and silk cloth in the piece. Vanity Fair Silk Mills. 176,583; Aug. 28.
Velvets in the piece. Coudurier, Fructus & Descher. 177,548; Aug. 28.
Woolen fabrics. H. Coleman. 182,234; Aug. 28.
Woolen, mohair, jute cotton, silk, and linen fabrics. Kunst & Small Co. 181,195; Aug. 28.
Woolen piece goods. Pendale Woolen Mills. 183,161; Aug. 28.

CLASS 43.

Thread, Linen. Linen Thread Company. 160,712; Aug. 28.
Thread, Sewing. La Société En Nom Collectif J. Thiriez Pere & Fils. 182,919; Aug. 28.

PUBLISHED FOR OPPOSITION.

[Act of Feb. 20, 1905, Sec. 6, as amended Mar. 2, 1907.]

CLASS 44.

Arch supports, foot cushions, heel cushions, foot pads, etc. Thompson-Barlow Company. 181,707; Aug. 28.

CLASS 45.

Beverage sold as a soft drink. M. E. Vaughan. 181,625; Aug. 28.
Beverage sold as a soft drink and sirup for making same. H. C. Watkins. 189,157; Aug. 28.
Beverages, Grape-flavored. Valentin Blatz Brewing Company. 181,724; Aug. 28.
Extract, Concentrated maltless. Advance Chemical Company. 177,721; Aug. 28.
Flavoring extract for soft drinks. A. G. Eisold. 170,129; Aug. 28.
Sirup used in making soft drinks. C. J. Dennis. 181,516; Aug. 28.
Soft drinks. Chicago Whistle Bottling Co. 181,379; Aug. 28.
Water, ginger ale, root beer, etc., Still and carbonated. Waukesha Silurian Water Co. 178,316; Aug. 28.

CLASS 46.

Candies, candy confections, sweetmeats, chewing gum. Ideal Caramel Company. 177,225-6; Aug. 28.
Candy. Cannar & Marshall. 176,879; Aug. 28.
Candy. De Klyn Candy Co. 180,530; Aug. 28.
Candy. Maison Blanche Co. 172,753; Aug. 28.
Canned fruits and vegetables, olives, pickles, etc. William Cluff Co. 177,363; Aug. 28.
Canned goods, dried fruits and vegetables, etc. Conley, Flanigen Company. 162,870; Aug. 28.
Canned goods, etc. Universal Wholesale Grocery Co. 174,042; Aug. 28.
Coffee. Purity Creamery Company. 161,273; Aug. 28.
Cones, Cake. Acme Cone Co. 175,177; Aug. 28.
Confection, Frozen. C. B. Bemis. 178,891; Aug. 28.
Feed, Horse and mule. Josey-Miller Company. 176,680; Aug. 28.
Fondant and base in candy, ice cream, etc., Semiprepared. White, Stokes Co. 178,791; Aug. 28.
Fruits, Fresh and preserved. Pacific-Italian Trading Corporation. 177,046; Aug. 28.
Fruits, jellies, jams, etc. F. B. Nordman, jr. 146,979; Aug. 28.
Hams, Raw and cooked. Smithfield Company. 162,216; Aug. 28.
Ice cream. Bridgeman-Russell Co. 177,268; Aug. 28.
Jellies. V. P. Kennard. 169,976; Aug. 28.
Lettuce, Fresh. Sawdey & Hunt. 179,885; Aug. 28.
Marmalade and jellies. N. A. Twaits. 165,169; Aug. 28.
Oil, Corn. Bragno & Mustari. 174,817; Aug. 28.
Oils, fats, and combinations thereof, Edible. American Cotton Oil Company. 176,709; Aug. 28.
Sirups, Malt. Red Top Malt Extract Co. 164,831; Aug. 28.
Sugar, Granulated. Schwabacher Bros. & Co. 177,412; Aug. 28.
Tea. Wilson Tea Co. 176,053-4; Aug. 28.
Vanilla, tomato bouillon, etc., Baker's. Keystone Fruit Products Company. 143,501; Aug. 28.
Vinegar. M. A. Gedney Company. 173,826; Aug. 28.

CLASS 47.

Wine, Champagne. Societe Vinicole de Champagne. 165,213; Aug. 28.

CLASS 48.

Sirup, Malt. L. Levy. 137,287; Aug. 28.

CLASS 50.

Ladders. Saginaw Ladder Co. 177,696; Aug. 28.
Paper drinking straws. New Jersey Paper Tube Company. 175,590; Aug. 28.
Stepladders. Baker, Hamilton and Pacific Company. 170,352; Aug. 28.

ALPHABETICAL LIST OF PATENTEES

TO WHOM

PATENTS WERE ISSUED ON THE 28TH DAY OF AUGUST, 1923.

NOTE.—Arranged in accordance with the first significant character or word of the name (in accordance with city and telephone directory practice). **Includes patents, reissues, and designs.**

Aceves, Julius G., assignor of one-half to F. P. Fahy, New York, N. Y. Speed-controlling apparatus for prime movers. 1,466,036; Aug. 28.

Adams & Westlake Company, The. (See Hamm, W. S., and Giese, assignors.)

Adamson, Charles E., Huntington, Ind. Appliance for producing and burning alcohol gas. 1,466,417; Aug. 28.

Adamson Machine Company, The. (See Williams, Thomas H., assignor.)

Aegerter, August S., Basel, Switzerland, assignor of one-half to F. Grunder, Rutti, Switzerland. Clinometer. 1,466,261; Aug. 28.

Aktiebolaget Kvafveindustri. (See Thorssell, C. T., and Troell, assignors.)

Aktiengesellschaft Brown, Boveri & Cie. (See Buchli, Jacob, assignor.)

Alben, Frank L., and H. A. Houston, Wilkinsburg, Pa., assignors to Westinghouse Electric & Manufacturing Company. Integral cab-frame structure. 1,466,262; Aug. 28.

Alexander, Robert E., Tulsa, Okla. Jack frame for oil wells. 1,466,573; Aug. 28.

Alexanderson, Ernst F. W., Schenectady, N. Y., assignor to General Electric Company. Wireless signaling system. 1,465,961; Aug. 28.

Alexanderson, Ernst F. W., Schenectady, N. Y., assignor to General Electric Company. Wireless signaling system. 1,465,962; Aug. 28.

Alexanderson, Ernst F. W., Schenectady, N. Y., assignor to General Electric Company. High-frequency signaling system. 1,466,263; Aug. 28.

Allen, Lemmel L., Luling, Tex. Boll-weevil catcher. 1,466,106; Aug. 28.

Allison, Thomas C., Hohenwald, Tenn. Automatic saw set. 1,466,328; Aug. 28.

Aloe, A. S. Company. (See Aloe, Albert S., assignor.)

Aloe, Albert S., assignor to A. S. Aloe Company, St. Louis, Mo. Advertising device. 1,466,107; Aug. 28.

Altgelt, Herman E., assignor to Oliver Chilled Plow Works, South Bend, Ind. Clutch mechanism for power lifts. 1,466,202; Aug. 28.

Amborsen, Nils F., Pittsburgh, Pa., assignor to Uni-Form Company. Means for supporting nailing strips. 1,466,264; Aug. 28.

American Hardware Corporation. (See Hurd, Norman B., assignor.)

American Rubber & Tire Co., The. (See Holloway, Le Roy P., assignor.)

American Seating Company. (See Hamilton, G. H. and Nuberg, assignors.)

American Steel Foundries. (See Peycke, Armand H., assignor.)

American Telephone and Telegraph Company. (See Crisson, George, assignor.)

American Telephone and Telegraph Company. (See Walton, Clifford J., assignor.)

Ames, Fessenden C., and H. L. Merrill, Nashua, N. H., assignors to I. F. Stevens, doing business as Maine Manufacturing Company, Nashua, N. H. Refrigerator. 1,466,440; Aug. 28.

Anderson, Alfred O., Salt Lake City, Utah. Combined can opener and stopper. 1,466,108; Aug. 28.

Anderson, Harry F., et al. (See Hancock, Raymond F., assignor.)

Anderson, James W., administrator. (See Hill, Percy L.)

Angel International Corporation. (See Stanley, Irving, assignor.)

Angerer, Victor, Ridley Park, assignor to William Wharton, Jr., & Company, Incorporated, Easton, Pa. Switch tongue. 1,466,461; Aug. 28.

Anglo American Mill Co. (See Lake, Edmund F., assignor.)

Apgar, Marshall F. (See Hall, J. H., and Apgar.)

Apgar, Stanley, and G. R. Hanks, assignors to Taylor-Wharton Iron and Steel Company, High Bridge, N. J. Treatment of manganese steel castings. 1,466,636; Aug. 28.

Armstrong, Sir W. G., Whitworth, and Company Limited. (See Lee, H. W., and Swindale, assignors.)

Arrow Electric Company, The. (See Harrington, William H., assignor.)

Aske, Irving E., Duluth, Minn. Heater or vaporizer. 1,466,389; Aug. 28.

Autiero, Michael A., Brooklyn, N. Y. Parking lamp. Des. 62,932; Aug. 28.

Austin, F. C. (See Stahl, C. E., and Bentson, assignors.)

Automatic Electric Company. (See Fales, Edward D., assignor.)

Automatic Electric Company. (See Powell, Winfred T., assignor.)

Automatic Straight Air Brake Company. (See Neal, Spencer G., assignor.)

Axt, George J., Nutley, N. J. Attachment for hemmers. 1,466,574; Aug. 28.

Babb, Charles S., Chicago, Ill., assignor to The Barber Asphalt Company, Philadelphia, Pa. Melting kettle. 1,466,637; Aug. 28.

Bachman, Roy G., Chicago, Ill. Waterproof building material. 1,466,462; Aug. 28.

Baker Bros. (See Hallenbeck, George E., assignor.)

Balsam, Maurice M., Brooklyn, N. Y. Lathe tool. 1,466,265; Aug. 28.

Bands, William H., Southmont Borough, Pa. Muffler. 1,466,037; Aug. 28.

Barany, Edmund R., Brooklyn, N. Y., assignor to Franco Electric Corporation. Flash light. 1,466,350; Aug. 28.

Barber Asphalt Company, The. (See Babb, Charles S., assignor.)

Barber Asphalt Company, The. (See Browne, Frank A., assignor.)

Barkley, Danford, assignor to Stephen Sanford & Sons, Inc., Amsterdam, N. Y. Carpet. Des. 62,933; Aug. 28.

Barton, Kirtland C., National City, Ill. Mat or cloth for oil cakes. 1,466,109; Aug. 28.

Baseman, Ernest. (See Pollard, A. L., and Baseman.)

Bashaw, William A., Wilkinsonville, Mass. Shuttle spring. 1,466,418; Aug. 28.

Bassett, Harry P., Cynthiana, Ky. Acetylizing cellulose. 1,466,229; Aug. 28.

Bassett, Preston R., assignor to The Sperry Gyroscope Company, Brooklyn, N. Y. Means for maintaining the focus of arc projectors. 1,466,419; Aug. 28.

Bastian, Edward. (See Groh, George, assignor.)

Bates, Chester M., Elverson, assignor, by mesne assignments, to Livingood Manufacturing Corporation, Lebanon, Pa. Folding stove. 1,466,463; Aug. 28.

Batter, Frank, Lhunton, Oreg. Portable mountain-air sanitarium. 1,466,652; Aug. 28.

Batter, Frank, Portland, Oreg. Timing apparatus for mountain-air sanitariums. 1,466,653; Aug. 28.

Baumann, Richard, Stuttgart, Germany. Hardness-testing device. 1,465,927; Aug. 28.

Baumer, John C., assignor to H. Strong, Rochester, N. Y. Fruit seeder. 1,466,080; Aug. 28.

Baumer, John C., assignor to H. Strong, Rochester, N. Y. Making needles for fruit seeders. 1,466,081; Aug. 28.

Baxa, James F., Chicago, Ill. Antiskid device. 1,466,082; Aug. 28.

Baxter, Harold G., Baldwin, N. Y., assignor to Westinghouse Electric & Manufacturing Company. Snap switch. 1,466,266; Aug. 28.

Beach, Howard L. (See Clark, C. H., and Beach.)

Beatty, William T., Flossmoor, Ill. Combination blade extension and wing for road machines. 1,466,464; Aug. 28.

Beauchamp, Louis H., Weston, Colo. Bird and animal trap. 1,466,520; Aug. 28.

Beckwith, Charley G., Cleveland, and W. E. Davis, Lakewood, Ohio. System of street lighting and apparatus therefor. 1,466,110; Aug. 28.

Beeby, John H., Ottawa, Ontario, Canada. Gas burner. 1,466,291; Aug. 28.

Beldiner, Tilla, et al. (See Harris, Romaine R., assignor.)

Bell, Chester A., assignor to General Fire Extinguisher Company, Providence, R. I. Pipe-anchoring means. 1,466,292; Aug. 28.

Bell Manufacturing Company. (See Belling, Bernard A., assignor.)

Belling, Bernard A., assignor to Bell Manufacturing Company, Beaver Dam, Wis. Signpost. 1,466,465; Aug. 28.

Bellow, Abraham, Leeds, England. Chainstitch sewing machine. 1,466,466; Aug. 28.

Bentley, Robert H., assignor to The Hart & Hegeman Manufacturing Company, Hartford, Conn. Electric snap switch. 1,466,267; Aug. 28.

Bentson, Hans J. (See Stahl, C. E., and Bentson.)

Berninghaus, Julius A., St. Louis, Mo. Electric heater. 1,466,111; Aug. 28.

Berryman, William R., Brooklyn, N. Y. Shuttle bobbin. 1,466,521; Aug. 28.

Bessemer Gas Engine Company, The. (See Shepherd, Harold F., assignor.)

Bethlehem Shipbuilding Corporation, Ltd. (See Neitzel, Frank E., assignor.)

Biersach, Paul C., Milwaukee, Wis. Grave marker. 1,466,112; Aug. 28.

Binard, Edouard, Brussels, Belgium. High-frequency self-induction coil. 1,466,441; Aug. 28.

Birch, Gustaf B. (See Cameron, J. A., and Birch.)

Bird, Charles E. (See Erickson, Marcus A., assignor.)

Blakely, William W., and G. C. Fedderman, Detroit, Mich.; said Fedderman assignor to said Blakely. Vehicle anchoring device. 1,466,442; Aug. 28.

Bo, Sigurd, assignor to Cinder Products Corporation, Lockport, N. Y. Making plastic bodies from coal ashes and a plastic body made from such method. 1,466,083; Aug. 28.

Bobenhouse, Herman H., et al. (See Whitcomb, James, assignor.)

Bockstege, Fred W., Evansville, Ind. Combination sideboard and china cabinet. Des. 62,934; Aug. 28.

Bockstege, Fred W., Evansville, Ind. Folding table. Des. 62,935; Aug. 28.

Boney, Ashton M. (See Bunker, J. W., and Boney.)

Bonnet, Louis, Perpignan, France, assignor to J. Paisseau, Paris, France. Manufacture of artificial pearls. 1,466,575; Aug. 28.

Boothe, Gardner L., executor. (See Janney, Robert E. L.)

Borst, Joseph F. and W., Brooklyn, N. Y. Table for talking machines. 1,466,576; Aug. 28.

Borst, William. (See Borst, Joseph F. and W.)

Bosworth, Percy B., assignor to The Victor Rubber Company, Springfield, Ohio. Pneumatic-tire tread. Des. 62,936; Aug. 28.

Bowlus, Claude A., Birmingham, Mich. Circuit breaker. 1,466,012; Aug. 28.

Boyce, James, et al. (See Hancock, Raymond F., assignor.)

Bozeman, John F. (See Weatherby, H. B., and Bozeman.)

Bradley, Charles E., Montclair, N. J., and J. G. Coffin, Hempstead, N. Y., assignors to General Rubber Company. Apparatus for supplying a drying medium. 1,466,443; Aug. 28.

Bradley Pulverizer Company. (See Gibson, W. A., and Needham, assignors.)

Bradley Pulverizer Company. (See Needham, Charles E., assignor.)

Bragdon, Herbert J., Alton, assignor to The Chicago Stopper Company, Chicago, Ill. Receptacle stopper. 1,466,113; Aug. 28.

Brickhouse, James G. (See Holadia, Thomas F., assignor.)

Brigg, Walter J., Epping, New South Wales, Australia. Boot or shoe. 1,466,611; Aug. 28.

Bristol Aeroplane Company Limited, The. (Thurston, Albert P., assignor.)

Brockett, Frederick G., and C. C. Wright, Chicago, Ill.; said Brockett assignor to said Wright. Connecting head for multiple telephone and other circuits. 1,466,351; Aug. 28.

Brooks, Wallace L., Schenectady, N. Y., assignor to General Electric Company. Rheostat. 1,466,293; Aug. 28.

Brower, Edward W., Flushing, N. Y. Table for computing excess-baggage rates. 1,466,444; Aug. 28.

Brown, Henry A., assignor of one-third to G. E. Shinkle and one-third to F. M. White, Huntington, W. Va. Re and de railing device. 1,465,963; Aug. 28.

Brown, Laura A. (See Brown, William, assignor.)

Brown, William, assignor to L. A. Brown, St. Louis, Mo. Pan. 1,465,928; Aug. 28.

Brown, William W., Schenectady, N. Y., assignor to General Electric Company. Electromagnetic switch. 1,466,268; Aug. 28.

Browne, Frank A., Wayne, assignor to The Barber Asphalt Company, Philadelphia, Pa. Mixing apparatus. 1,466,638; Aug. 28.

Browne, Frank A., Wayne, assignor to The Barber Asphalt Company, Philadelphia, Pa. Mixing apparatus. 1,466,639; Aug. 28.

Brubaker, John H., Grand Rapids, Mich. Device employed in finishing and retouching photographic negatives and the like. 1,466,038; Aug. 28.

Brush, Alanson P., Detroit, Mich. Lubricating system. 1,466,445; Aug. 28.

Brush, Alanson P., Detroit, Mich. Crank shaft and balancing the same. 1,466,446; Aug. 28.

Bryner, Harry C., et al. (See Whitcomb, James, assignor.)

Bucher & Gibbs Plow Company. (See Ringle, H. G., and Stewart, assignors.)

Buchi, Robert, Chicago, Ill. Apple slicer. 1,466,114; Aug. 28.

Buchli, Jacob, assignor to Aktiengesellschaft Brown, Boveri & Cie., Baden, Switzerland. Electrode steam boiler. 1,466,013; Aug. 28.

Buck, Charles, Germantown, Pa. Spark-plug wrench. 1,465,929; Aug. 28.

Budd, Edward G., Manufacturing Company. (See Valentine, William A., assignor.)

Buffalo Foundry & Machine Co. (See Engel, Godfrey, sr., assignor.)

Bum, John. (See Latter, Charles, assignor.)

Bunker, John W., and A. M. Boney, assignors to Service Bag Co. Inc., New York, N. Y. Envelope. 1,466,420; Aug. 28.

Buresak, John, Cleveland, Ohio. Hinge for bookcases, etc. 1,466,039; Aug. 28.

Burkholder, John H., assignor to Elite Manufacturing Company, Ashland, Ohio. Jack. 1,466,447; Aug. 28.

Burnett, William H., Mound City, Mo. Pencil clip device. 1,466,203; Aug. 28.

Burrows, Edwin N., Highland Park, Mich. Receptacle. 1,466,084; Aug. 28.

Burt, John, Narberth, Pa., assignor to William Sellers & Company, Incorporated, Philadelphia, Pa. Lathe. 1,466,467; Aug. 28.

Busard, Ingle B., assignor to The Libbey-Owens Sheet Glass Company, Charleston, W. Va. Sheet-glass drawing and delivering mechanism. 1,466,421; Aug. 28.

Buschke, Charles F., Milwaukee, Wis. Internal-combustion engine. 1,466,085; Aug. 28.

Butler, Loren, Philadelphia, Pa. Heating apparatus. 1,466,269; Aug. 28.

Butsch, Edmund G., St. Louis, Mo., and G. W. Butsch, East St. Louis, Ill. Fender. 1,466,115; Aug. 28.

Butsch, George W. (See Butsch, Edmund G., and G. W.)

Button Attaching Machine Company. (See Ross, Frederick N., assignor.)

Byrd, Robert E., Erie, Pa. Automatic die-casting machine. 1,466,294; Aug. 28.

Byrne, Charles E., and J. S. Murphy, Chicago, Ill. Spool for photographic films and the like. 1,466,157; Aug. 28.

Calderon, John R., Chicago, Ill. Anchor plate. 1,466,158; Aug. 28.

Calderon, John R., Chicago, Ill. Anchor plate. 1,466,159; Aug. 28.

Caldwell, Samuel B., Oakland, Calif. Washing machine. 1,466,204; Aug. 28.

California Packing Corporation. (See Hirsch, Louis, assignor.)

Calkins, Edward C., Brooklyn, N. Y., assignor to I. C. Refrigeration Company. Refrigerating receptacle. 1,465,930; Aug. 28.

Caltex Company, The. (See Ostenberg, Zeno, assignor.)

Cameron, James A., and G. B. Birch, assignors to Cameron Machine Company, Brooklyn, N. Y. Slitting and rewinding machine. 1,465,964; Aug. 28.

Cameron, James A., and G. B. Birch, assignors to Cameron Machine Company, Brooklyn, N. Y. Slitting device. 1,465,965; Aug. 28.

Cameron, James A., and G. B. Birch, assignors to Cameron Machine Company, Brooklyn, N. Y. Slitting means. 1,465,966; Aug. 28.

Cameron, James A., and G. B. Birch, assignors to Cameron Machine Company, Brooklyn, N. Y. Slitting and rewinding machine. 1,465,967; Aug. 28.

Cameron Machine Company. (See Cameron, J. A., and Birch, assignors.)

Campbell, Argyle, and A. E. Zimmer, assignors to Enterprise Railway Equipment Company, Chicago, Ill. Tank-car valve and operating mechanism therefor. 1,466,116; Aug. 28.

Campbell, Colin J., East Orange, N. J., and D. O'Neill, New York, N. Y. Antiskid device. 1,466,270; Aug. 28.

Capanhat Co., The. (See Koppman, Charles, assignor.)

Caps, John E., Wilmette, Ill. Liquid purifier. 1,465,968; Aug. 28.

Carlberger, Leo, Modling, Austria. Elastic rim. 1,466,205; Aug. 28.

Carlson, Axel W. (See Swanson, P., and Carlson.)

Carpenter, Ford A., Los Angeles, Calif. Recording instrument. 1,466,271; Aug. 28.

Case, Calvin M., Niagara Falls, N. Y. Steering device. 1,466,612; Aug. 28.

Cass, Freeman, Brooklyn, N. Y. Thread guide for spinning machines. 1,466,577; Aug. 28.

Ceasar Resilient Tire Corporation. (See Di Cesare, Pierino, assignor.)

Cellea, Christy A. (See Moran, H. N., and Cellea.)

Century Machinery Corporation. (See Schmelzer, Anton C., assignor.)

Chaney, Lee F., Springfield, Ohio. Radiator indicator. 1,466,117; Aug. 28.

Charter, James A., Chicago, Ill. Hollow metal wheel. 1,466,468; Aug. 28.

Chicago Bridge & Iron Company. (See Ladd, C., and Windes, assignors.)

Chicago Metallic Packing Co. (See Crane, John T., assignor.)

Chicago Stopper Company, The. (See Bragdon, Herbert J., assignor.)

Chicago Trust Company, trustee. (See Roberts, Arthur, assignor.)

Christenson, George, North Plainfield, N. J., assignor to Johns-Manville Incorporated. Making piston-rod packing. 1,466,086; Aug. 28.

Christenson, George, North Plainfield, N. J., assignor to Johns-Manville Incorporated. Composite piston packing ring and making same. 1,466,087; Aug. 28.

Ciechomski, Edward, Philadelphia, Pa. Shaving mug. 1,466,040; Aug. 28.

Ciha, Edward E., Chicago, Ill. Tool. 1,466,118; Aug. 28.

Cindel, Eli, Nemo, S. Dak. Rule or tool holder for garment pockets. 1,466,330; Aug. 28.

Cinder Products Corporation. (See Bo, Sigurd, assignor.)

Citizens of the United States of America. (See Thelen, Rolf.)

Claflin, Charles A., Medford, Mass. Conduit member for conducting fluid under pressure. 1,466,119; Aug. 28.

Claflin, Charles R. B., Hartford, Conn. Derrick. 1,465,969; Aug. 28.

Clark Bros. Bolt Co. (See Noble, Boughton T., assignor.)

Clark Car Company. (See Clark, C. H., and Beach, assignors.)

Clark, Charles H., Library, and H. L. Beach, Mount Lebanon, Pa., assignors to Clark Car Company. Covered dump car. 1,466,469; Aug. 28.

Clark, Charles S., New York, N. Y. Commodity-advertising device. 1,466,422; Aug. 28.

Clark, Matthew L. (See Murray, P. J., and Clark.)

Clear Vision Pump Company, The. (See Crouse, Emory, assignor.)

Cleveland, Ernest S., and G. G. Leffingwell, Chicago, Ill. Arch support. 1,465,970; Aug. 28.

Clifton, Isabel, Barberville, Fla. Pyorrhea remedy. 1,466,578; Aug. 28.

Clough, Frederic H., Hillmorton, near Rugby, England, assignor to General Electric Company. Dynamo-electric machine. 1,466,654; Aug. 28.

Clutch, Charles C., Yorklyn, Del. Paper-making machine. 1,466,120; Aug. 28.

Coen, Garnet W., San Francisco, Calif. Oil burner. 1,466,088; Aug. 28.

Coffin, Joseph G. (See Bradley, C. E., and Coffin.)

Coffman, Herbert, San Mateo, Calif. Smudging and frost-preventing composition. 1,466,331; Aug. 28.

Cole, Wallace A. (See Eastman, Adam E., assignor.)

Coleman, Thomas, jr., Clarksburg, assignor to Hazel-Atlas Glass Company, Wheeling, W. Va. Mold. 1,466,640; Aug. 28.

Collingham, Robert H., Rugby, England, assignor to General Electric Company. Regulating means for compressors, blowers, or the like. 1,466,295; Aug. 28.

Collins, Grellet N., Narberth, Pa. Riddle. 1,465,931; Aug. 28.

Colpitts, Edwin H., East Orange, N. J., assignor, by mesne assignments, to Western Electric Company, Incorporated. Multiplex radiotelegraph system. 1,465,932; Aug. 28.

Colliver, Harold E., Simcoe, Ontario, Canada, assignor, by mesne assignments, to E. S. Wertz, Cleveland, Ohio. Method of and apparatus for treating fluids. 1,466,579; Aug. 28.

Compton, Theodore, Indianapolis, Ind. Excavator and loader. 1,465,971; Aug. 28.

Conrad, Frank, Pittsburgh, and J. S. Kinney, Wilkinsburg, Pa., assignors to Westinghouse Electric and Manufacturing Company. Spark-advancing mechanism. 1,466,272; Aug. 28.

Conrad, Nicholas J., Chicago, Ill. Primary cut-out. 1,466,423; Aug. 28.

Conroy, Edgar A., Wilkes-Barre, Pa. Manifold cover. 1,466,089; Aug. 28.

Continental Motors Corporation. (See Weinhardt, Robert A., assignor.)

Cook, Jay, Coldwater, Mich. Signal. 1,466,424; Aug. 28.

Corning Glass Works. (See Hedges, William T., assignor.)

Corning Glass Works. (See Pasecucci, Emilio, assignor.)

Cowles, Irving, Chicago, Ill. Automatic vapor feed for hydrocarbon motors. 1,466,425; Aug. 28.

Crago, Felix H., Milltown, Mont. Trap. 1,466,332; Aug. 28.

Cramp, William, & Sons Ship & Engine Building Company, The. (See Larner, Chester W., assignor.)

Crane, John T., Maywood, assignor to Chicago Metallic Packing Co., Chicago, Ill. Packing. 1,466,641; Aug. 28.

Craven Brothers (Manchester) Limited. (See Miley, John, assignor.)

Crawford, Marion L., Malvern, Ohio. Screen scratcher or rubber. 1,466,580; Aug. 28.

Crisson, George, Hackensack, N. J., assignor to American Telephone and Telegraph Company. Transmission regulating circuits. 1,465,972; Aug. 28.

Crook, Alfred, Philadelphia, Pa., assignor to Taylor-Wharton Iron and Steel Company, High Bridge, N. J. Means for controlling continuous rolling mills. 1,466,642; Aug. 28.

Crosier, Arthur B. and F. B., Beloit, Wis. Washboiler. 1,466,206; Aug. 28.

Crosier, Frank B. (See Crosier, Arthur B. and F. B.)

Crouse, Emory, assignor to The Clear Vision Pump Company, Wichita, Kans. Liquid-dispensing apparatus. 1,466,273; Aug. 28.

Curtiss Aeroplane and Motor Corporation. (See Curtiss, Glenn H., assignor.)

Curtiss Aeroplane and Motor Corporation. (See Kirkham, Charles B., assignor.)

Curtiss Aeroplane and Motor Corporation. (See Tarbox, John P., assignor.)

Curtiss, Glenn H., assignor, by mesne assignments, to Curtiss Aeroplane and Motor Corporation, Buffalo, N. Y. Triplane flying boat. 1,465,973; Aug. 28.

Cutler Electrical and Manufacturing Company. (See Ridgely, Holland P., assignor.)

Czarniecki, Andrew J., assignor of one-half to F. Romanczuk, Plymouth, Pa. Motor-spring hair cutter. 1,466,613; Aug. 28.

Dahl, Thure E., New York, N. Y. Lantern. Des. 62,937; Aug. 28.

Daimler-Motoren-Gesellschaft. (See Reinsch, Alfred, assignor.)

Daisy Manufacturing Co. (See Lefever, Charles F., assignor.)

Dallas, Charles D., Winnetka, Ill. Winding arbor. 1,466,121; Aug. 28.

Dalton Adding Machine Company, The. (See Landsiedel, Harry, assignor.)

Daniels, Oscar C., Goldsboro, N. C. Tonsillotome. 1,466,581; Aug. 28.

Danielson, Charles, Minneapolis, Minn. Ironing board. 1,466,390; Aug. 28.

Davis, William E. (See Beckwith, C. G., and Davis.)

Dayton Engineering Laboratories Company, The. (See Hunt, John H., assignor.)

Dean, William H. (See Wiwi, Thomas R., assignor.)

De Bogory, Eugene, Dallas, Tex. Traffic danger signal. 1,466,333; Aug. 28.

De Cew, Charles A., and W. F. Hirst, Cedar Rapids, Iowa. Band-saw machine. 1,466,090; Aug. 28.

Dedic, Charles, Chippewa Falls, Wis. Artificial hand. 1,465,933; Aug. 28.

Deming, Robert, Cleveland, Ohio. Tractor hitch. 1,466,274; Aug. 28.

Denison, Earl J., New York, N. Y. Film reel. 1,466,275; Aug. 28.

Di Cesare, Pierino, assignor to The Ceasar Resilient Tire Corporation, New York, N. Y. Resilient tire. 1,466,522; Aug. 28.

Dicke, Casper H., Downers Grove, Ill. Wire grip. 1,466,426; Aug. 28.

Dickie, William A. (See Palmer, C. W., and Dickie.)

Diehl, William E., Chicago, Ill. Safety pocket. 1,466,091; Aug. 28.

Dietz, Charles A., and H. Schuman, Newark, N. J. Finger ring. Des. 62,938; Aug. 28.

Dietzel, William, Merrick, N. Y. Plating machine. 1,466,582; Aug. 28.

Dillon, Le Roy. (See Dillon, William C., assignor.)

Dillon, William C., assignor to L. Dillon, Fort Dodge, Iowa. Shearing device for auxiliary locks. 1,466,207; Aug. 28.

Dockus, Adolph P. (See Savicks, Longin, assignor.)

Dodson, Edward, London, England. Apparatus for controlling the ignition point in internal-combustion engines. 1,466,470; Aug. 28.

Dolbear, Clinton E., assignor to Industrial Research Co., San Francisco, Calif. Recovering potassium from brines. 1,466,352; Aug. 28.

Dolbear, Clinton E., assignor to Industrial Research Co., San Francisco, Calif. Recovering alkali-metal salts from brines. 1,466,353; Aug. 28.

Donoho, Johnnie E., Milton, Iowa. Fabric stretching and clamping device. 1,466,523; Aug. 28.

Draper, Charles T., assignor to The Draper Manufacturing Company, Cleveland, Ohio. Reenforced metallic chime seam and producing same. 1,466,643; Aug. 28.

Draper Corporation. (See Kay, Albert E., assignor.)

Draper Manufacturing Company, The. (See Draper, Charles T., assignor.)

Dreyfus, Henry. (See Palmer, C. W., and Dreyfus, assignors.)

Driscoll, Daniel W., Villanova, Pa. Time-control signal system. 1,466,471; Aug. 28.

Drumm, Charles F., jr. (See Lipcot, F. L., Drumm, and Frius.)

Drummond, William H., Belleville, assignor of one-half to E. Jones, Nutley, N. J. Acoustical diaphragm. 1,466,427; Aug. 28.

Drury, Herbert R., Willoughby, Ohio. Antiglare device for automobile headlights. 1,466,354; Aug. 28.

Duff Manufacturing Company, The. (See Schwerin, Frank H., assignor.)

Dugan, Walter B., assignor to Venango Knitting Mills, Incorporated, Philadelphia, Pa. Tension device for knitting machines. 1,465,934; Aug. 28.

Duggan, John A., Detroit, Mich. Toothbrush holder. 1,466,041; Aug. 28.

Dunwald, Peter, Rio, N. Y. Snow-removing apparatus. 1,466,614; Aug. 28.

Du Pont, E. I., de Nemours & Company. (See Kessler, J. M., and Sease, assignors.)

Du Pont, E. I., de Nemours & Company. (See Peters, William A., jr., assignor.)

Duriron Company. (See Jacobsen, Oystein, assignor.)

Dürrigl, Charles, Vienna, Austria. Multicolor-light-emitting lamp. 1,466,428; Aug. 28.

Dusenbury, Joseph D., Newton, Mass. Double-cutting tool for planers. 1,466,355; Aug. 28.

Eastman, Adam E., assignor of one-half to W. A. Cole, Philadelphia, Pa. Spark-plug structure. 1,465,935; Aug. 28.

Eddison, William B., Irvington, assignor to The Surface Combustion Co., Incorporated, New York, N. Y. Method of and apparatus for mixing and proportioning gases. 1,466,356; Aug. 28.

Eddy, Harold C., Los Angeles, assignor to Petroleum Rectifying Company of California, San Francisco, Calif. Rotating electrode closed treater for petroleum emulsions. 1,466,208; Aug. 28.

Eddy, Herbert L. (See Vonderheid, C. A., and Eddy.)

Edrington, William B., Hollywood, Miss. Cotton-picking machine. 1,465,974; Aug. 28.

Egersdörfer, Fritz, Charlottenburg, Germany. Feed pump for combustion engines. 1,466,092; Aug. 28.

Egersdörfer, Fritz, Charlottenburg, Germany. Rotary machine. 1,466,276; Aug. 28.

Ehrhart, Raymond N., Edgewood Park, Pa., assignor to Westinghouse Electric & Manufacturing Co. Condenser and air-pump apparatus. 1,466,042; Aug. 28.

Eichhaum, Herman W., Venice, Calif. Ignition system. 1,466,209; Aug. 28.

Eklund, Axel G., Attleboro, assignor to J. F. Sturdy's Sons Co., Attleboro Falls, Mass. Bracelet-buckle member. Des. 62,939; Aug. 28.

Eklund, Axel G., Attleboro, assignor to J. F. Sturdy's Sons Co., Attleboro Falls, Mass. Bracelet-buckle member. 62,940; Aug. 28.

Elite Manufacturing Company. (See Burkholder, John H., assignor.)

Emery, Erastus, Pittsburgh, Pa. Brake-shoe key. 1,465,975; Aug. 28.
Engel, Godfrey, sr., Brooklyn, assignor to Buffalo Foundry & Machine Co., Buffalo, N. Y. Concentrating evaporator. 1,466,357; Aug. 28.
English, Fred S., New London, Conn. Slider controller for presses. 1,466,122; Aug. 28.
Enterprise Railway Equipment Company. (See Campbell, A., and Zimmer, assignors.)
Erb, Edmund M., Jersey City, N. J., assignor to Merit Machine Manufacturing Corporation. Hair-drying apparatus. 1,466,093; Aug. 28.
Erickson, Marcus A., St. Cloud, assignor of one-half to C. E. Bird, Minneapolis, Minn. Headlight lens. 1,466,358; Aug. 28.
Erlandson, Julia. (See Johnson, Swan, assignor.)
Eskew, Sidney E., and L. Harris, Benton, Ill. Smoothing sheet. 1,466,391; Aug. 28.
Evans, Lewis L., Bridgeport, Conn., assignor of one-half to G. M. Hart, Wilkes-Barre, Pa. Timer. 1,466,392; Aug. 28.
Evans, Russell R., Tacoma, Wash. Container and closure therefor. 1,466,583; Aug. 28.
Everett, John H. D., Waukegan, Ill. Safety razor. 1,466,123; Aug. 28.
Ewing, Alfred. (See St. Stephens, R. de H., and Ewing.)

Fahy, Frank P. (See Aceves, Julius G., assignor.)
Fales, Edward D., Western Springs, assignor to Automatic Electric Company, Chicago, Ill. Measured-service telephone system. 1,466,124; Aug. 28.
Fales, Elisha N., Dayton, Ohio. Fan. 1,466,472; Aug. 28.
Falstranit, Alfred, Jersey City, N. J. Tire-chain hook. 1,466,615; Aug. 28.
Faull, John, assignor to Johnson Automatic Sealer Co., Ltd., Battle Creek, Mich. Wrapping machine. 1,465,976; Aug. 28.
Faull, John, assignor to Johnson Automatic Sealer Co., Ltd., Battle Creek, Mich. Wrapping machine. 1,465,977; Aug. 28.
Faupel, Charles F., Chicago, Ill. Oiler for metal-casting machines. 1,466,125; Aug. 28.
Fedderman, George C. (See Bakely, W. W., and Fedderman.)
Feder, Milton, Oakland, Calif., assignor to Federal System of Bakeries of America, Inc., Davenport, Iowa. Baking oven. 1,466,473; Aug. 28.
Federal System of Bakeries of America, Inc. (See Feder, Milton, assignor.)
Fenner, George E., Oxford, Wis. Artificial bait. 1,466,616; Aug. 28.
Ferris, Howard J., assignor to Hunt, Helm, Ferris & Company, Harvard, Ill. Rubber-tired wheel. 1,466,210; Aug. 28.
Ferro Chemicals Inc. (See Frauchet, R., and McElroy, assignors.)
Ferro Chemicals Inc. (See McElroy, Karl P., assignor.)
Field, Michael B., Glasgow, Scotland, assignor to Pneumercator Company, New York, N. Y. Gauge. 1,466,359; Aug. 28.
Fink, Colin G., Yonkers, assignor to Guggenheim Brothers, New York, N. Y. Electrolytic refining or depositing of tin. 1,466,126; Aug. 28.
Findayson, Alfred H., Brockville, Ontario, Canada. Emery-wheel-dressing tool. 1,466,236; Aug. 28.
Fisher, Stanley, Ealing, and W. Priddey, Marylebone, London, England. Sparking plug. 1,465,978; Aug. 28.
Fitch, Benjamin F., Evanston, Ill. Freight-handling system. 1,466,296; Aug. 28.
Fitch, Henry C., Demos, Ohio. Tire. 1,466,498; Aug. 28.
Flauder, Alfred J., assignor to The Weidlich Bros. Mfg. Co., Bridgeport, Conn. Salt and pepper shaker. Des. 62,941; Aug. 28.
Flauder, Alfred J., assignor to The Weidlich Bros. Mfg. Co., Bridgeport, Conn. Salt and pepper shaker. Des. 62,942; Aug. 28.
Flauder, Alfred J., assignor to The Weidlich Bros. Mfg. Co., Bridgeport, Conn. Lamp perfumer. Des. 62,943; Aug. 28.
Flauder, Alfred J., assignor to The Weidlich Bros. Mfg. Co., Bridgeport, Conn. Lamp perfumer. Des. 62,944; Aug. 28.
Fletcher, Henry O., Bridgeport, Conn., assignor to The Singer Manufacturing Company. Bobbin-case lock. 1,466,360; Aug. 28.
Fletcher, Philip K., Alpena, Mich. Pulp bleacher. 1,466,459; Aug. 28.
Flick, Clarence, East St. Louis, assignor to Swift & Company, Chicago, Ill. Pork holding and splitting device. 1,466,429; Aug. 28.
Flick, Henry, assignor to Hayes Wheel Company, Jackson, Mich. Spoke-inserting machine. 1,466,430; Aug. 28.
Flood, Walter H., Chicago, Ill. Spotlight-operating mechanism. 1,465,936; Aug. 28.
Folland, Henry, Blackpill, near Swansea, and J. O. Powell, Gorseinon, Wales. Balancing carriage for conveying heavy goods. 1,466,524; Aug. 28.
Ford, Henry, Dearborn, Mich. Air washer and filter. 1,466,500; Aug. 28.
Ford, Henry, Hospital. (See Wood, Albert, assignor.)
Formaca, Guido, Turin, Italy. Propulsion of aircraft. 1,466,394; Aug. 28.
Forsberg, Peter W., Schenectady, N. Y., assignor to General Electric Company. Power transmission and electric braking. 1,466,584; Aug. 28.
Forssman, Villehad H., Cologne, Germany. Production of homogeneous wood material and the product thereof. 1,465,937; Aug. 28.
Fortescue, Charles L., Pittsburgh, Pa., assignor to Westinghouse Electric & Manufacturing Company. Phase balancer. 1,466,277; Aug. 28.
Forward, Chauncey B., Urbana, Ohio. Steam superheater. 1,466,278; Aug. 28.
Foster Brothers Manufacturing Company. (See Foster, William B., assignor.)
Foster, John P., and A. F. Misener, Pain, Hawaii. Continuous distilling apparatus. 1,466,221; Aug. 28.
Foster, Merriam and Company. (See Johnson, Nelson C., assignor.)
Foster, William B., assignor to Foster Brothers Manufacturing Company, Utica, N. Y. Covered spring structure. 1,466,617; Aug. 28.
Fowler, Claude E., Buffalo, N. Y. Key guard. 1,466,395; Aug. 28.
Franchot, Richard, Niagara Falls, N. Y., and K. P. McElroy, assignors to Ferro Chemicals Inc., Washington, D. C. Iron smelting. 1,466,644; Aug. 28.
Franco Electric Corporation. (See Barany, Edmund R., assignor.)
Frank, Louis J. (See Katz, Samuel, assignor.)
Freyn, Bassert & Company. (See Weinel, Karl, assignor.)
Friel, Patrick A., Bayonne, N. J. Alarm switch. 1,466,431; Aug. 28.
Frins, Maximilian C. (See Lipcot, F. L., Drumm, and Frins.)
Fruth, George et al. (See Van Pelt, Elmer L., assignor.)
Fry, Guy S., Yonkers, N. Y. Bookbinding. 1,466,618; Aug. 28.
Furbush, Frank L., Westford, Mass., assignor to C. G. Sargent's Sons Corporation. Sectional squeeze roll. 1,466,091; Aug. 28.

Gadda, Erik, Silverton, Oreg. Clothes hanger. 1,466,525; Aug. 28.
Gadbury, Samuel L., Stockton, Calif. Ignition-switch block. 1,464,279; Aug. 28.
Gajkowski, Edmond, et al. (See Gajkowski, Wladyslaw J., assignor.)
Gajkowski, Stanley J., et al. (See Gajkowski, Wladyslaw J., assignor.)
Gajkowski, Wladyslaw J., assignor of one-fourth to S. Z. Grabowski, one-fourth to S. J. Gajkowski, and one-fourth to E. Gajkowski, Buffalo, N. Y. Guard for wire-drawing machine. 1,466,645; Aug. 28.
Gale, Frederick A., Chicago, Ill. Automatic blower for locomotives. 1,466,371; Aug. 28.
Gallcher, Maude F., et al. (See Harris, Romaine R., assignor.)
Gamble, Albert A., Rochester, N. Y. Mathematical board. 1,466,501; Aug. 28.
Garbacz, Albert, East Hammond, Ind., assignor of one-half to W. H. Newburg, Medford, Wis. Wrench. 1,466,502; Aug. 28.
Gardner, Cass A., Kansas City, Mo. Hair-straightener comb. 1,465,979; Aug. 28.
Garland, Charles F. (See Varone, Frederick, assignor.)
Garland, Claude M. (See Traer, G. W., and Garland.)
Genard, Joseph P., Edgewood, Md. Sight for firearms. 1,466,297; Aug. 28.
General Carbonic Company. (See Sturcke, Herman E., assignor.)
General Electric Company. (See Alexanderson, Ernst F. W., assignor.)
General Electric Company. (See Brooks, Wallace L., assignor.)
General Electric Company. (See Brown, William W., assignor.)
General Electric Company. (See Clough, Frederic H., assignor.)
General Electric Company. (See Collingham, Robert H., assignor.)
General Electric Company. (See Forsberg, Peter W., assignor.)
General Electric Company. (See Halvorson, Cromwell A. B., jr., assignor.)
General Electric Company. (See Koch, Paul A., assignor.)
General Electric Company. (See Morcom, Reginald K., assignor.)
General Electric Company. (See Seede, John A., assignor.)
General Electric Company. (See Wilkinson, James, assignor.)
General Fire Extinguisher Company. (See Bell, Chester A., assignor.)
General Rubber Company. (See Bradley, C. E., and Collin, assignors.)
Gerleman, Oscar W., St. Louis, Mo. Treating pistons, piston rings, and cylinders. 1,466,432; Aug. 28.
Germer, Edward G., and E., jr., Erie, Pa. Gas burner. 1,466,014; Aug. 28.
Germer, Edward, jr. (See Germer, Edward G., and E. jr.)
Gernandt, Waldo G., South Bend, Ind. Internal-combustion engine. 1,466,646; Aug. 28.
Gerrard, Alec J., and P. Wright, Chicago, Ill. Machine for cutting and swaging bale ties. 1,466,334; Aug. 28.

Getchell, Benjamin E., assignor to The Trumbull Electric Manufacturing Company, Plainville, Conn. Box connector. 1,466,361; Aug. 28.
Gibson, William A., and C. E. Needham, Allentown, Pa., assignors to Bradley Pulverizer Company, Boston, Mass. Grinding mill. 1,466,433; Aug. 28.
Giese, James A. (See Hamm, W. S., and Giese.)
Giles, Harvey, Brooklyn, assignor to A. Ward, New York, N. Y. Coin-controlled vending machine. 1,466,372; Aug. 28.
Gillam, Wilson J., assignor to Sayville Furniture Company, Inc., Sayville, N. Y. Chair. 1,465,980; Aug. 28.
Gillette, Herbert B., Grand Rapids, Mich. Wheel structure for dry-kiln trucks. 1,466,434; Aug. 28.
Gillogly, Olney R., Zanesville, Ohio. Advertising device. 1,466,222; Aug. 28.
Gluckewitz, Paul, New York, N. Y. Double-locked secret chamber. 1,466,362; Aug. 28.
Gleason, Yale X., San Francisco, Calif. Shelf-stacking tray. 1,466,335; Aug. 28.
Glover, Edmond C., Rison, Ark. Bolt. 1,466,223; Aug. 28.
Godley, Charles E., Detroit, Mich. Vehicle lamp. Des. 62,945; Aug. 28.
Good Inventions Co. (See Good, John, assignor.)
Good, John, Brooklyn, assignor to Good Inventions Co., New York, N. Y. Charge-forming apparatus. 1,466,647; Aug. 28.
Goranson, Emil, Lake Park, Minn. Potato-cutting machine. 1,465,981; Aug. 28.
Gottschalt, Henry C., Bratenahl, Ohio. Cable-end connection. 1,466,127; Aug. 28.
Grabowski, Stanislaw Z., et al. (See Gajkowski, Wladyslaw, J., assignor.)
Graham, John, Chester, Pa. Gauge. 1,466,043; Aug. 28.
Grasso, Alfio, Omaha, Nebr. Gasoline stove. 1,466,396; Aug. 28.
Gray, Peter & Sons Inc. (See Willmott, Herbert J., assignor.)
Grayden, Alexander, Berkeley, Calif. Washing machine. 1,466,397; Aug. 28.
Gregg, Alfred W., Chicago, assignor to Whiting Corporation, Harvey, Ill. Electrode handler. 1,466,503; Aug. 28.
Griffin, Wilhelmine C., et al. (See Harris, Romaine R., assignor.)
Griffith, Charles T., Mount Airy, assignor to Proctor & Schwartz, Incorporated, Philadelphia, Pa. Stocking form. 1,466,504; Aug. 28.
Griggs, Arthur R., Bromley, England. Production of hydrogen. 1,466,619; Aug. 28.
Groh, George, assignor of one-half to E. Bastian, St. Louis, Mo. Furnace structure. 1,466,160; Aug. 28.
Gross, Hugo, Ridgewood, N. J. Electrical snap switch. 1,466,280; Aug. 28.
Grosse, Eduard, Wachwitz, near Dresden, Germany. Printing machine. 1,466,526; Aug. 28.
Grunder, Friedrich. (See Aegerter, August S., assignor.)
Grupe, William F., assignor to C. F. Rumpp & Sons, Inc., Philadelphia, Pa. Traveling case for watches. 1,466,505; Aug. 28.
Guardiani, Eustachio, Philadelphia, Pa. Fly screen for windows. 1,466,281; Aug. 28.
Guerrant, John L., Sedalia, Mo. Freight-car door. 1,465,982; Aug. 28.
Guggenheim Brothers. (See Fink, Colin G., assignor.)
Guider, John J., North Pelham, N. Y. Sliding drapery holder. 1,465,938; Aug. 28.
Gulley, Arthur J., Hartville, Ohio. Tubular folding and collapsible core. 1,466,527; Aug. 28.
Gunderson, Joseph C., Grand Forks, N. Dak. Envelope-delivery device. 1,466,161; Aug. 28.
Guy, La Fayette T., Selma, Ala. Fishing tackle. 1,466,620; Aug. 28.

Haas, Jacob R., Chicago, Ill. Flour sifter. 1,465,983; Aug. 28.
Haass, Clemens A., assignor to Tate Manufacturing Company, Boston, Mass. Dauber for liquid blacking and the like. 1,466,506; Aug. 28.
Habberley, William C., Lynn, Mass. Shoe. 1,466,552; Aug. 28.
Hackney, Leslie S., Minneapolis, Minn. Bed. 1,466,373; Aug. 28.
Hall, Elmon L., assignor of one-half to H. Papst, Portland, Oreg. Gas making. 1,466,648; Aug. 28.
Hall, John H., and M. F. Apgar, assignors to Taylor-Wharton Iron and Steel Company, High Bridge, N. J. Treating manganese-steel castings. 1,466,649; Aug. 28.
Hallenbeck, George E., assignor to Baker Bros., Toledo, Ohio. Drill-press control. 1,466,128; Aug. 28.
Halvorson, Cromwell A. B., jr., Lynn, Mass., assignor to General Electric Company. Lamp casing. 1,466,282; Aug. 28.
Hamilton, Charles E., Troy, N. Y. Ironing machine. 1,466,363; Aug. 28.
Hamilton, George H., and M. Nuberg, assignors to American Seating Company, Grand Rapids, Mich. Desk and seat structure. 1,465,939; Aug. 28.
Hamm, William S., Hubbard Woods, and J. A. Giese, Chicago, Ill., assignors to The Adams & Westlake Company. Door latch. 1,466,162; Aug. 28.
Hammond, John A. S., Woodlawn, Md., assignor to U. S. Industrial Alcohol Co. Dehydrating organic liquids. 1,466,435; Aug. 28.
Hammond, John A. S., Woodlawn, Md., assignor to U. S. Industrial Alcohol Co. Dehydrating liquid ether. 1,466,436; Aug. 28.
Hancock, Harry H., Swampscott, assignor to H. A. Sawyer, Lynn, Mass. Printer's quoin. 1,465,984; Aug. 28.
Hancock, Raymond F., Marion, Ind., assignor of one-half to J. Boyce, Gibson, Mich., and one-half to H. F. Anderson, Marion, Ind. Glass rolling and pressing machine. 1,466,621; Aug. 28.
Handley, John H., assignor to Stephen Sanford & Sons, Inc., Amsterdam, N. Y. Rug. Des. 62,946; Aug. 28.
Hanks, George R. (See Apgar, S, and Hanks.)
Hans, Oscar E., Tulsa, Okla. Camping outfit. 1,466,224; Aug. 28.
Hanson, Albert B. (See Perry, James M., assignor.)
Harding, Dana E., Danvers, Mass. Leather-boarding machine. 1,466,283; Aug. 28.
Harlow, John B., Upper Montclair, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y. Detecting system. 1,466,284; Aug. 28.
Harrington, William H., assignor to The Arrow Electric Company, Hartford, Conn. Electric switch. 1,466,507; Aug. 28.
Harris, Lewis. (See Eskew, S. E., and Harris.)
Harris, Romaine R., San Diego, assignor of one-twentieth to J. B. Wickizer, one-twentieth to C. F. Holland, one-twentieth to T. Bolchner, six-twentieths to M. F. Gallagher, and one one-hundredth to W. C. Griffin, Alameda, Calif. Artificial limb. 1,466,163; Aug. 28.
Hart, Gerald M. (See Evans, Lewis L., assignor.)
Hart & Hegeman Manufacturing Company, The. (See Bentley, Robert H., assignor.)
Hart, John P., Los Angeles, Calif. Tire-chain-attaching device and carrier. 1,466,374; Aug. 28.
Hart, Oscar W., et al. (See Whitcomb, James, assignor.)
Hartford-Fairmont Company. (See Lorenz, Edward H., assignor.)
Hartley, Calvin G., Roanoke, Ind., assignor to Knox Engineering and Manufacturing Company. Engine governor. 1,466,164; Aug. 28.
Hartley, Charles A., Silverton, and J. R. Mero, Salem, Oreg. Grader. 1,466,015; Aug. 28.
Harvey, Albert L., Wilkinsburg, Pa., assignor to Westinghouse Electric & Manufacturing Company. Control system. 1,466,285; Aug. 28.
Harvey, Frank R., assignor of one-half to Wilford S. Safford, Blossburg, Pa. Wedge-adjusting device for journal boxes. 1,466,016; Aug. 28.
Harwick, Theresa, Miami, Fla. Doll. Des. 62,947; Aug. 28.
Hasenbein, Harry J., Flushing, assignor to Jahnig Bros. Inc., New York, N. Y. Baking pan. 1,466,095; Aug. 28.
Haskins, William B., Independence, Mo. Trolley safety clutch. 1,466,375; Aug. 28.
Hassinger, Louis. (See Trageser, A. H., and Hassinger.)
Hatcher, Robert L., and H. A. Parr, Detroit, Mich. Mouth-cleansing apparatus. 1,466,474; Aug. 28.
Hayes Wheel Company. (See Flick, Henry, assignor.)
Hazel-Atlas Glass Company. (See Coleman, Thomas, jr., assignor.)
Hazzard, Paul, Chicago, Ill. Beater. 1,466,040; Aug. 28.
Hearn, John F., Passaic, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y. Luminous indicator. 1,466,286; Aug. 28.
Hebel, Evald, Copenhagen, Denmark. Device for signaling changes of driving in automobiles. 1,466,044; Aug. 28.
Hedges, William T., assignor to Corning Glass Works, Corning, N. Y. Cooking-dish cover. Des. 62,948; Aug. 28.
Hedges, William T., assignor to Corning Glass Works, Corning, N. Y. Cooking dish. Des. 62,949; Aug. 28.
Hedges, William T., assignor to Corning Glass Works, Corning, N. Y. Cooking-dish cover. Des. 62,950; Aug. 28.
Heffner, Charles S., Pittsburgh, Pa. Cigarette carton. 1,466,225; Aug. 28.
Heinrich, Mary E., Freeport, N. Y. Sport suit. Des. 62,951; Aug. 28.
Heisey, A. H., & Co. (See Sanford, Andrew J., assignor.)
Hele-Shaw, Henry S., London, England. Radial-cylinder hydraulic clutch. 1,466,622; Aug. 28.
Hellmund, Rudolf E., Swissvale, Pa., assignor to Westinghouse Electric & Manufacturing Company. System of control. 1,466,287; Aug. 28.
Hemmert, Christian J., Wapakoneta, Ohio. Illuminated license number for automobiles. 1,466,017; Aug. 28.
Henkel, William B., Baltimore, Md. Lock for demountable rims. 1,466,553; Aug. 28.
Hepburn, William M., assignor to The Surface Combustion Co. Incorporated, New York, N. Y. Feeding mechanism. 1,466,018; Aug. 28.
Hercules Powder Company. (See Norton, Sereno G., assignor.)
Hermance, Charles C., and M. Rein, Mutual, Okla. Seed-covering attachment for listers. 1,466,585; Aug. 28.
Herold, Arthur G., St. Louis, Mo. Combined coffee sack and holder. 1,466,165; Aug. 28.
Heyer, Herman, Ossining, N. Y. Burglarproof window locks. 1,466,586; Aug. 28.
Hill, Elwin K., Cleveland, Ohio. Machine for granulating metal turnings and borings. 1,465,941; Aug. 28.
Hill, Percy L., deceased, by J. W. Anderson, administrator, New York, N. Y. Making character carriers for composing machines. 1,466,437; Aug. 28.

Hine, Charles F. (See Rees, C., and Hine.)
Hirsch, Louis, Honolulu, Hawaii, assignor to California Packing Corporation, San Francisco, Calif. Pineapple slicer. 1,466,337; Aug. 28.
Hirst, William F. (See De Cew, C. A., and Hirst.)
Hodgson, Harriette E., New York, N. Y. Portable dressing tent. 1,466,166; Aug. 28.
Hoffman, Edward, Logan, Utah. Mortise lock. 1,466,298; Aug. 28.
Hoffman, Leonard E. (See Martin, C. W., and Hoffman.)
Hoffmaster, Warren C., Akron, Ohio. Safety pin. 1,466,226; Aug. 28.
Hofschneider, Frederic J., Rochester, N. Y. Device for dental use. 1,466,299; Aug. 28.
Holadia, Thomas F., assignor of one-half to J. G. Brickhouse, Columbia, N. C. Fertilizer distributor. 1,466,398; Aug. 28.
Holden, Hulbert P., Springfield, Mass. Dust collector. 1,466,167; Aug. 28.
Holland, C. F., et al. (See Harris, Romaine R., assignor.)
Holloway, Le Roy P., assignor to The American Rubber & Tire Co., Akron, Ohio. Tire tread. Des. 62,952; Aug. 28.
Hollup, Charles H., Milwaukee, Wis., assignor to International Welding Engineering Corporation, Chicago, Ill. Welding process and means. 1,466,587; Aug. 28.
Holmes, James T. (See Jones, B., and Holmes.)
Holmes, William H., Columbus, Ohio. Hood hook for motor vehicles. 1,466,528; Aug. 28.
Holmström, Axel, Stockholm, Sweden. Etching machine. 1,466,096; Aug. 28.
Holton, Frank, Chicago, Ill. Weed extractor. 1,466,168; Aug. 28.
Homewood, Fred A., Glendo, Wyo. Wheel tightener. 1,466,097; Aug. 28.
Hood Rubber Company. (See Perrault, Joseph E., assignor.)
Hopedale Manufacturing Company. (See Northrop, Jonas, assignor.)
Hopewell, Samiel H., Ensley, Ala. Burner. 1,466,588; Aug. 28.
Horton, Bryson D., assignor to Square D Company, Detroit, Mich. Electrical-switch inclosure or cabinet. 1,465,985; Aug. 28.
Houghtaling, Walter A., Dunellen, N. J., assignor to The Western Union Telegraph Company, New York, N. Y. Adjustable-vibration tuning fork. 1,466,623; Aug. 28.
Houston, Harold A. (See Albert, F. L., and Houston.)
Howell, Joshua D., Porterville, Calif. Watchmaker's tool. 1,466,227; Aug. 28.
Howells Metallurgical Company. (See Jones, John T., assignor.)
Hrachovina, Vincent F., St. Paul, Minn. Article of furniture. 1,466,376; Aug. 28.
Hudson, Frank N. (See Hudson, Ray, R. W., and F. N.)
Hudson, Harley A., et al. (See Whitcomb, James, assignor.)
Hudson, Ray, Walnut Ridge, Ark., R. W. Hudson and F. N. Hudson, Poplar Bluff, Mo. Governor for fluid-pressure mechanisms. 1,466,399; Aug. 28.
Hudson, Richard W. (See Hudson, Ray, R. W., and F. N.)
Hughes, James H., et al. (See Whitcomb, James, assignor.)
Hultqvist, Morten V., New York, N. Y. Floor mop. 1,466,169; Aug. 28.
Hurd, Norman B., assignor to American Hardware Corporation, New Britain, Conn. Ball-bearing hinge. 1,466,228; Aug. 28.
Hunker, Martin L., Wheeling, W. Va. Safety mechanism for power presses. 1,466,179; Aug. 28.
Hunt, Helm, Ferris & Company. (See Ferris, Howard J., assignor.)
Hunt, John H., assignor to The Dayton Engineering Laboratories Company, Dayton, Ohio. Ignition system. 1,466,529; Aug. 28.
Hurm, Horace, Paris, France. Sound-arm coupling for talking machines. 1,466,554; Aug. 28.
Hurm, Horace, Paris, France. Stylus support for talking machines. 1,466,555; Aug. 28.
I. C. Refrigeration Company. (See Calkins, Edward C., assignor.)
Ikeler, Philip M., and H. D. McDonald, Moselle, Miss. Seed collecting device. 1,466,556; Aug. 28.
Ilg Electric Ventilating Company. (See Ilg, Robert A., assignor.)
Ilg, Robert A., assignor to Ilg Electric Ventilating Company, Chicago, Ill. Self-cooled electric motor. 1,466,364; Aug. 28.
Industrial Research Co. (See Dolbear, Clinton E., assignor.)
International Motor Company. (See Lipcot, F. L., Drumm, and Frins, assignors.)
International Motor Company. (See Manville, Keith R., assignor.)
International Packing Machine Company. (See Lev, Frank W., assignor.)
International Ticket Company. (See Stirlss, Jacob, assignor.)
International Welding Engineering Corporation. (See Hollup, Charles H., assignor.)
Ironton Engine Company, The. (See Youmans, William R., assignor.)
Israel, Eli, Wilkes-Barre, Pa. Lamp holder for miners' caps. 1,466,300; Aug. 28.
Jaburg Bros. Inc. (See Hasenbein, Harry J., assignor.)
Jacobsen, Oystein, Dayton, Ohio, assignor to Duriron Company, Inc. Valve. 1,466,171; Aug. 28.
Jacobsen, Richard S., Chicago, Ill., assignor, by mesne assignments, to Webster Mfg. Co. Reciprocating screen or conveyer. 1,465,942; Aug. 28.
James, Charles, et al. (See Kothe, Charles A., assignor.)
James, Henry D., Edgewood Park, Pa., assignor to Westinghouse Electric & Manufacturing Company. Control system. 1,466,288; Aug. 28.
James, Newton J., et al. (See Mosley, Elzie V., assignor.)
James, Thomas, jr., and W. I. Wolfson, Philadelphia, Pa. Automatic pressure-retaining valve. 1,466,589; Aug. 28.
Janney, Robert E. L., deceased, Chicago, Ill.; G. L. Boothe, executor. Carburetor. 1,466,557; Aug. 28.
Jeffery-Dewitt Company, The. (See Teetor, Paul, assignor.)
Jensen, Jens M., Racine, Wis. Radiator construction. 1,466,530; Aug. 28.
Johnérson, Carl G. A., Fargo, N. Dak. Adjustable harrow. 1,466,172; Aug. 28.
Johns-Manville Incorporated. (See Christenson, George, assignor.)
Johns-Manville Incorporated. (See Latimer, John W., assignor.)
Johns-Manville Incorporated. (See Wardell, Henry R., assignor.)
Johnson, Abraham, Opportunity, Wash. Cow-tail holder. 1,466,229; Aug. 28.
Johnson, Aron, New York, N. Y. Packing machine. 1,466,045; Aug. 28.
Johnson Automatic Sealer Co. (See Faull, John, assignor.)
Johnson, Benjamin F., Baltimore, Md. Radiating piston pump. 1,466,230; Aug. 28.
Johnson, Charles E., Pillager, Minn. Screening machine. 1,465,986; Aug. 28.
Johnson, Henry, Minneapolis, Minn. Shoe-shining cabinet. 1,465,987; Aug. 28.
Johnson, John M. (See Vengrin, S., and Johnson.)
Johnson, Lars, Iron Mountain, Mich. Snowplow. 1,466,016; Aug. 28.
Johnson, Louis, Chicago, Ill. Artificial fish lure. 1,466,231; Aug. 28.
Johnson, Nelson C., assignor to Foster, Merriam and Company, Meriden, Conn. Top-bearing caster socket. 1,466,531; Aug. 28.
Johnson, Swan, assignor of one-half to J. Erlandson, Richwood, W. Va. Rail fastener. 1,466,400; Aug. 28.
Johnston, James G., jr., Chicago, Ill., assignor to Warren Featherbone Company, Three Oaks, Mich. Display stand for ribbons and the like. Des. 62,953; Aug. 28.
Johnstone, Edward K., Keokuk, Iowa. Portable bathtub stand. 1,466,047; Aug. 28.
Jones, Bassett, Mahwah, and J. T. Holmes, Bogota, N. J. Spark indicator and amplifier. 1,466,232; Aug. 28.
Jones, Elwood. (See Drummond, William H., assignor.)
Jones, John T., assignor to Howells Metallurgical Company, Pittsburgh, Pa. Producing steel. 1,466,301; Aug. 28.
Jopson Manufacturing Company. (See Jopson, William G., assignor.)
Jopson, William G., Keene, N. H., assignor to Jopson Manufacturing Company, Boston, Mass. Shipping tag. 1,466,173; Aug. 28.
Jordan, Luther M., Sperry, Okla. Hoisting machine. 1,466,289; Aug. 28.
Jouve, Felix L., Paris, France. Machine for swaging or reducing metal. 1,466,302; Aug. 28.
Jung, Philip H., Mount Union, Pa. Method and apparatus for separating coke and ash. 1,466,377; Aug. 28.
Katz, Samuel, assignor of one-half to L. J. Frank, New York, N. Y. Annunciator or indicator system. 1,466,448; Aug. 28.
Kay, Albert E., Lowell, assignor to Draper Corporation, Hopedale, Mass. Builder mechanism for winding machines. 1,466,290; Aug. 28.
Kec, Frank, Prague, Czechoslovakia. Protecting device for gearings. 1,466,449; Aug. 28.
Keckler, Charles W., Newark, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y. Telephone system. 1,466,233; Aug. 28.
Keene, Walter E., Baltimore, Md. Receptacle for holding handles. 1,466,048; Aug. 28.
Kelley, Albert J., Dorchester, Mass. Railway-car truck. 1,466,590; Aug. 28.
Kellie, Edward F., Indianapolis, Ind. Floor construction. 1,466,591; Aug. 28.
Kellogg, Carl A., Brooklyn, N. Y. Printing press. 1,466,303; Aug. 28.
Kellogg, Edmund P., assignor to Albert Pick & Company, Chicago, Ill. Candy box. Des. 62,954; Aug. 28.
Kellum, Charles S., Detroit, Mich. Electric gauge. 1,466,019; Aug. 28.
Kent, Frank W., Streatham Hill, London, England. Photographic transfer process. 1,466,532; Aug. 28.
Kerr, Mark B., Rosebank, N. Y., assignor to Western Electric Company, Incorporated, New York, N. Y. Telegraph system. 1,466,234; Aug. 28.

Kessler, Johannes M., West Orange, and V. B. Sease, Newark, N. J., assignors to E. I. du Pont de Nemours & Company, Wilmington, Del. Making cellulose acetate. 1,466,401; Aug. 28.
Kiewicz, John, assignor to The Reece Button Hole Machine Company, Boston, Mass. Stop motion. 1,466,402; Aug 28.
King, Thomas H., Charlotte, N. C. Water pipe. 1,466,592; Aug. 28.
Kingsbury, Albert, Pittsburgh, Pa. Making pressure-distributing structures. 1,465,988; Aug. 28.
Kinney, J. Stanley. (See Conrad, F., and Kinney.)
Kinney, J. Stanley, Wilkinsburg, Pa., assignor to Westinghouse Electric & Manufacturing Company. Composite steering wheel. 1,466,235; Aug. 28.
Kinney, J. Stanley, Wilkinsburg, Pa., assignor to Westinghouse Electric & Manufacturing Company. Gear. 1,466,236; Aug. 28.
Kirchmer, Jacob, jr., Elmwood Place, Ohio. Washing kit. 1,466,593; Aug. 28.
Kirkham, Charles B., Buffalo, N. Y., assignor to Curtiss Aeroplane and Motor Corporation. Aeronautical motor. 1,465,989; Aug. 28.
Knapp, Fred C., Rahway, N. J. Carbide soldering torch. 1,466,403; Aug. 28.
Knoop, Arnold F., Peotone, Ill. Drawbar for towing automobiles and the like. 1,466,049; Aug. 28.
Knox Engineering and Manufacturing Company. (See Hartley, Calvin G., assignor.)
Koch, Auguste E., administratrix. (See Koch, Paul A.)
Koch, Paul A., deceased, by A. E. Koch, administratrix, Charlottenburg, Germany, assignor to General Electric Company. Dynamo-electric machine. 1,466,304; Aug. 28.
Koppman, Charles, New York, N. Y., assignor to The Capanhat Co. Inc. Cap. 1,466,475; Aug. 28.
Korn, Maximilian, Teaneck, N. J. Roof truss. 1,466,174; Aug. 28.
Kosienski, Stanlisous, Vernon, N. Y. Staple. 1,466,533; Aug. 28.
Koski, Matt W., Raymond, Wash. Time and speed recording means. 1,466,050; Aug. 28.
Kothe, Charles A., Galion, Ohio, assignor of one-third to C. James, Youngstown, Ohio, and one-third to W. Schlafge, Meadville, Pa. Flue blowing and testing device. 1,466,450; Aug. 28.
Kozloff, Vasil R., New York, N. Y. Garment supporter. 1,466,020; Aug. 28.
Kraft, Henry P., Ridgewood, N. J. Sheet-metal nut. 1,466,176; Aug. 28.
Kramer, Andrew A., Kansas City, Mo. Tank construction. 1,466,175; Aug. 28.
Krantz, Joseph A., assignor to The Reeves Manufacturing Company, Dover, Ohio. Machine for forming eaves troughs. 1,466,051; Aug. 28.
Kroll, Maurice J., assignor of one-half to H. Weiner, Utica, N. Y. Mop. 1,466,052; Aug. 28.
Krump, Nic, Chicago, Ill. Crossover and doorway opening for suspended rail tracks. 1,466,365; Aug. 28.
Kuen, Charles W., Chicago, Ill. Advertising toy. 1,466,534; Aug. 28.
Kukac, Edward J., Chicago, Ill. Divided mold. 1,466,129; Aug. 28.
Kulow, John H., Buffalo, N. Y. Index reckoner calendar. 1,466,021; Aug. 28.
Kurata, Hatsugoro, Nagasaki, Japan. Lubricating compound. 1,466,022; Aug. 28.
Kyrides, Lucas P., Buffalo, assignor to National Aniline & Chemical Company, Inc., New York, N. Y. Manufacture of triaryl guanidines. 1,466,535; Aug. 28.
Lacke, William A., Chicago, Ill. Conveyer and piler for large sheets. 1,466,177; Aug. 28.
Ladd, Clinton, Chicago, and T. G. Windes, jr., Winnetka, Ill., assignors to Chicago Bridge & Iron Company. Combined water softener and storage tank. 1,466,053; Aug. 28.
Lake, Edmund F., assignor to Anglo American Mill Co., Owensboro, Ky. Scalper sieve for mills. 1,466,508; Aug. 28.
Lamacchia, Otto, Bridgeport, Conn. Alarm clock with automatically-lighted lamp. 1,466,023; Aug. 28.
Lamassiaude, Jean, F. Rouchaud, and C. Rouchaud, Limoges, France. Brick press. 1,466,305; Aug. 28.
Lambert Tire & Rubber Company, The. (See Trump, Elno H., assignor.)
Landis, John O., Waynesboro, Pa. Manicure implement. 1,466,438; Aug. 28.
Landsiedel, Harry, Norwood, assignor to The Dalton Adding Machine Company, Cincinnati, Ohio. Adding machine. 1,466,306; Aug. 28.
Lange, Severin, Bear Spring, Mont. Trap. 1,466,178; Aug. 28.
Larner, Chester W., Philadelphia, Pa., assignor to The William Cramp & Sons Ship & Engine Building Company. Valve. 1,466,130; Aug. 28.
Lasher, Hiram S., assignor to Underwood Typewriter Company, New York, N. Y. Typewriting machine. 1,465,943; Aug. 28.
Laskey, William B., Marblehead, Mass. Candy-making machine. 1,466,509; Aug. 28.
Latimer, John W., Cleveland, Ohio, assignor to Johns-Manville Incorporated. Water-tight pipe conduit. 1,466,054; Aug. 28.
Latta, Charles, assignor to J. Bum, St. Louis, Mo. Frame for supporting vehicle license plates. 1,465,944; Aug. 28.
Lawson, Lindley S., Pittsburgh, Pa. Gas stove. Des. 62,955; Aug. 28.
Lea, Frank D., Findlay, Ohio. Truck for talking machines. 1,465,945; Aug. 28.
Le Beau, Fernando J., et al. (See Peterson, Earl W., assignor.)
Leber, George J. (See Smith, O. A., and Leber.)
Ledin, Charles, assignor to The Yale & Towne Manufacturing Company, Stamford, Conn. Switch lock. 1,466,594; Aug. 28.
Lee, Hugh W., and J. W. Swindale, assignors to Sir W. G. Armstrong, Whitworth and Company, Limited, Newcastle-upon-Tyne, England. Ammunition hoist especially suitable for use on board ship. 1,465,990; Aug. 28.
Lefever, Charles F., assignor to Daisy Manufacturing Co., Plymouth, Mich. Popgun. 1,466,131; Aug. 28.
Lellingwell, George G. (See Cleveland, E. S., and Lellingwell.)
Lehmann, Paul R. E., Dayton, Ohio. Expansible core. 1,466,306; Aug. 28.
Le Pontois, Léon J., Lakewood, assignor, by mesne assignments, to The Teagle Company, Cleveland, Ohio. System of generating and distributing electric currents. 1,466,307; Aug. 28.
Lev, Frank W., Astoria, assignor to International Packing Machine Company, New York, N. Y. Wrapping machine. 1,466,451; Aug. 28.
Leveroni, Frank, administrator. (See Petersen, Peter E.)
Libbey-Owens Sheet Glass Company, The. (See Busard, Ingle B., assignor.)
Libbey-Owens Sheet Glass Company, The. (See Owens, Michael J., assignor.)
Libbey-Owens Sheet Glass Company, The. (See Whittemore, James, assignor.)
Lieder, Anthony P., and J. F. Smith, Jackson, Mich. Grease cup. 1,466,024; Aug. 28.
Lillie, Walter L., assignor to The Walter L. Lillie Company, Columbus, Ohio. Cabinet. Des. 62,956; Aug. 28.
Lillie, Walter L., assignor to The Walter L. Lillie Company, Columbus, Ohio. Cabinet. Des. 62,957; Aug. 28.
Lillie, Walter L., Company, The. (See Lillie, Walter L., assignor.)
Lipcot, Fred L., C. F. Drumm, jr., and M. C. Frins, assignors to International Motor Company, New York, N. Y. Air brake for motor-propelled rail cars. 1,466,452; Aug. 28.
Lippert, Albert C., Canton, Ohio. Salt-cake cup. 1,466,132; Aug. 28.
Liston, Noah A., Glassport, Pa. Apparatus for making wire glass. 1,466,025; Aug. 28.
Livingood Manufacturing Corporation. (See Bates, Chester M., assignor.)
Livingston, Harry R., Washington, D. C. Vertical file-folder accessory. 1,466,308; Aug. 28.
Lober, George H., assignor to The Lober Radiator & Manufacturing Company, Toledo, Ohio. Automobile radiator assembly rack. 1,466,404; Aug. 28.
Lober Radiator & Manufacturing Company, The. (See Lober, George H., assignor.)
Lohrmann, Ernst H., Bristol, R. I., assignor to J. F. Sturdy's Sons Company, Attleboro, Mass. Bracelet buckle member. Des. 62,958; Aug. 28.
Lorentzen, Hans K., New York, N. Y. Machining saw teeth and the like. 1,466,237; Aug. 28.
Lorenz, Edward H., West Hartford, Conn., assignor to Hartford-Fairmont Company, Canajoharie, N. Y. Apparatus for operating on molten glass. 1,466,367; Aug. 28.
Lorillard, P., Company. (See White, Frank M., assignor.)
Lovering, Edward G. (See Shepherd, A. E., and Lovering.)
Lowe, William A. J., assignor to Universal Manufacturing Company, Johnson City, Tenn. Display stand. 1,466,536; Aug. 28.
Lowry, Edmund J., assignor to Oliver Chilled Plow Works, South Bend, Ind. Molding. 1,466,309; Aug. 28.
Lundstrom, Carl G., Boone, Iowa. Resilient tire. 1,466,133; Aug. 28.
Lux, Fred, Milmine, Ill. Lead ring. 1,466,134; Aug. 28.
McCann, Ronald A., assignor to The Union Switch & Signal Company, Swissvale, Pa. Railway-traffic-controlling apparatus. 1,466,055; Aug. 28.
McCarthy, Charles M., Norfolk, Va. Lock. 1,466,537; Aug. 28.
McCarthy, Edward F., assignor to The Ramo Manufacturing Company, Chicago, Ill. Shock absorber for vehicles. 1,466,368; Aug. 28.
McDevitt, William F., South Dorset, Vt. Bar coal. 1,466,405; Aug. 28.
McDonald, Herbert D. (See Ikeler, P. M., and McDonald.)
McElroy, Karl P. (See Franchot, R., and McElroy.)
McElroy, Karl P., assignor to Ferro Chemicals Inc., Washington, D. C. Nitrogen fixation. 1,466,624; Aug. 28.
McElroy, Karl P., assignor to Ferro Chemicals Inc., Washington, D. C. Nitrogen-fixing process and apparatus. 1,466,625; Aug. 28.

McElroy, Karl P., assignor to Ferro Chemicals Inc., Washington, D. C. Production of ammonia and salts of certain carbon acids. 1,466,626; Aug. 28.
McElroy, Karl P., assignor to Ferro Chemicals Inc., Washington, D. C. Making cyanids. 1,466,627; Aug. 28.
McElroy, Karl P., assignor to Ferro Chemicals Inc., Washington, D. C. Manufacture of alkali and chemicals. 1,466,628; Aug. 28.
McElwain, Henry E., et al. (See Van Pelt, Elmer L., assignor.)
McEwen, Willard M., Chicago, Ill. Tire tool. 1,466,179; Aug. 28.
McKoy, Edwin A., and G. D. Moore, New Orleans, La. Shortconed conical cutter head. 1,466,538; Aug. 28.
McLaughlin, Fred, Canton, Ill. Bit attachment for augers. 1,466,378; Aug. 28.
McLin, Charles E., Rome, Ga. Yarn-twisting device. 1,466,180; Aug. 28.
Maas, Elov F., Long Branch, N. J. Car mounting and car-wheel assembly. 1,466,240; Aug. 28.
Mabey, Charles W., Indianapolis, Ind. Showcase machine for popping corn. 1,466,55; Aug. 28.
Macdonald, Angus S., Great Neck Station, N. Y., assignor to Snead & Co. Iron Works. Flexible joint. 1,466,238.
MacDonald, Jack B., Oakland, Calif. Preheater and mixer. 1,466,406; Aug. 28.
Maine Manufacturing Company. (See Ames, F. C., and Merrill.)
Majors Oxford College. (See Majors, Walter L., assignor.)
Majors, Walter L., assignor to Majors Oxford College, St. Louis, Mo. Machine for the treatment of the scalp and hair. 1,466,629; Aug. 28.
Makluson, Rex G., Butte, Mont. Smoke-consuming device. 1,466,181; Aug. 28.
Malleable Iron Fittings Company, The. (See Pickop, George B., assignor.)
Maloney, William A., Newton, Mass. Detachable rubber heel. 1,466,407; Aug. 28.
Manby, Bertram C., Brisbane, Queensland, Australia, assignor to C. E. Manby, Carnegie, Pa. Means for eliminating friction between the laminations of leaf springs. 1,465,991; Aug. 28.
Manby, Charles E. (See Manby, Bertram C., assignor.)
Manier, Ralph L., Syracuse, N. Y. Air heater. 1,466,182; Aug. 28.
Mankey, William A., Lyon Park, Va. Toy vehicle of the tricycle type. 1,466,476; Aug. 28.
Mann, Miles H., Terre Haute, Ind., assignor, by mesne assignments, to Remington Arms Company, Inc., New York, N. Y. Money-paying machine. 1,466,239; Aug. 28.
Mann, Mitchell R., assignor to J. J. Ross, Portland, Oreg. Separator. 1,466,310; Aug. 28.
Manning, Ebenezer H., Elkhart, Ind. Wind turbine. 1,466,026; Aug. 28.
Manville, Keith R., Hempstead, N. Y., assignor to International Motor Company, New York, N. Y. Control device for gear-shifting mechanism. 1,466,453; Aug. 28.
Marble, B. L., Chair Company. (See Pettibone, Arthur D., assignor.)
Marks, Herbert E., Glen Osborne, Sewickley, Pa. Roof or floor construction. 1,466,056; Aug. 28.
Martin, Clyde W., Little Rock, Ark., and L. E. Hoffman, St. Louis, Mo. Itinerant vending and sales vehicle. 1,466,539; Aug. 28.
Mason, Arthur C., Hawthorne, N. J. Selective pulley-control mechanism. 1,466,379; Aug. 28.
Massey-Harris Harvester Company. (See Pollard, A. L., and Baseman, assignors.)
Mathews, Harry E., Philadelphia, Pa. Pencil holder. 1,466,057; Aug. 28.
Matthews, Edward, Denver, Colo. Wrench. 1,466,136; Aug. 28.
Mead, Ezra B., assignor to Ottumwa Iron Works, Ottumwa, Iowa. Bushing for car wheels. 1,466,137; Aug. 28.
Meilink, Charles F., Toledo, Ohio. Furniture. 1,466,138; Aug. 28.
Mercer, Henry H., Claremont, N. H., assignor to Sullivan Machinery Company. Percussive tool. 1,466,066; Aug. 28.
Merit Machine Manufacturing Corporation. (See Erb, Edmund M., assignor.)
Mero, Jesse R. (See Hartley, C. A., and Mero.)
Merrill, Harry L. (See Ames, F. C., and Merrill.)
Metzner, Albert W., assignor to The Standard Register Company, Dayton, Ohio. Printing press. 1,466,027; Aug. 28.
Metzner, Albert W., and J. Q. Sherman, Dayton, Ohio; said Metzner assignor to said Sherman. Rotary punch and die mechanism. 1,466,001; Aug. 28.
Meyers, Luther C., Bridgeton, N. J. Press. 1,366,408; Aug. 28.
Michie, David, Irwin, Pa. Traveler's set. 1,466,139; Aug. 28.
Miley, John, Reddish, near Stockport, assignor to Craven Brothers (Manchester) Limited, Reddish, England. Machine for boring tires and the like. 1,466,028; Aug. 28.
Miller, Alfred K., Los Angeles, Calif. Tone arm. 1,466,140; Aug. 28.
Miller, Charles A., Bainbridge, assignor to Miller Manufacturing Company, Decatur County, Ga. Bottle-rinsing machine. 1,466,141; Aug. 28.
Miller, Fred A., St. Louis, Mo. Piston or packing ring. 1,466,510; Aug. 28.
Miller, Frederick, and H. L. Noe, Wamego, Kans. Game apparatus. 1,466,596; Aug. 28.
Miller, Henry. (See Smith, R. S., Miller, and Orton.)
Miller Manufacturing Company. (See Miller, Charles A., assignor.)
Miller, Rowland W., Williamstown, W. Va. Acetylene-gas generator. 1,466,540; Aug. 28.
Milliken, Charles C., Deer River, Minn. Wheeled toy. 1,466,183; Aug. 28.
Mills-Hudson, Ralph, et al. (See Whitcomb, James, assignor.)
Misener, Albert F. (See Foster, J. P., and Misener.)
Mobley, Alonzo L., Soquel, Calif. Nursing bottle. 1,466,311; Aug. 28.
Mock, Hugo, New York, N. Y. Dustpan. 1,466,454; Aug. 28.
Moettell, Arnold, Oberwinterthur, Switzerland. Cooling tower for dry cooling of hot coke. 1,466,477; Aug. 28.
Montgomery, John, Toronto, Ontario, Canada. Knob lock. 1,466,369; Aug. 28.
Moore, George D. (See McKoy, E. A., and Moore.)
Moore, Roswell A., assignor to Waterbury Buckle Co., Waterbury, Conn. Garter trimming. 1,465,992; Aug. 28.
Moose, Otto J., St. Louis, Mo. Water heater. 1,466,142; Aug. 28.
Moran, Henry N., and C. A. Cellea, Woonsocket, R. I. Spraying container. 1,466,370; Aug. 28.
Morcom, Reginald K., Birmingham, England, assignor to General Electric Company, Schenectady, N. Y. Blade-securing means and making same. 1,466,312; Aug. 28.
Morrison, Hackley, Richmond, Va. Pipe-end-finishing tool. 1,466,409; Aug. 28.
Morrison, Montford, New York, N. Y. Rectifier for electric currents. 1,466,541; Aug. 28.
Morse, John P., Purley, England. Fastening. 1,466,597; Aug. 28.
Mosley, Elzie V., assignor to N. J. James and M. R. Reed, Caroleen, N. C. Battery feed for automatic looms. 1,466,542; Aug. 28.
Motta, Salvatore, New York, N. Y. Gun-equipped aeroplane. 1,466,143; Aug. 28.
Müller, Friederich, Hartford, Conn. Power-transmission chain. 1,465,946; Aug. 28.
Munson, Sweney, Fowler, Colo. Checkrow planter. 1,466,055; Aug. 28.
Murphy Engineering Company, The. (See Murphy, Peter W., assignor.)
Murphy, Joseph S. (See Byrne, C. E., and Murphy.)
Murphy, Peter W., assignor to The Murphy Engineering Company, Detroit, Mich. Valve gear for internal-combustion engines. 1,466,144; Aug. 28.
Murray, Patrick J., and M. L. Clark, Carbondale, Pa. Shock absorber. 1,465,993; Aug. 28.
Myers, Edward C., Seattle, Wash. Harvester. 1,466,098; Aug. 28.

Naemura, Tokuji, Sanchome, Kobe, Japan. Floor-cover composition. 1,466,241; Aug. 28.
National Aniline & Chemical Company. (See Kyrides, Lucas P., assignor.)
National Blank Book Company. (See Schade, John, assignor.)
National Bread Wrapping Machine Company. (See Sévigné, Henri A., assignor.)
National Steel Door Co. (See Peterson, Earl W., assignor.)
Neal, Spencer G., New York, N. Y., assignor to Automatic Straight Air Brake Company, Wilmington, Del. Diaphragm structure. 1,466,242; Aug. 28.
Neal, Spencer G., New York, N. Y., assignor to Automatic Straight Air Brake Company, Wilmington, Del. Diaphragm structure. 1,466,243; Aug. 28.
Needham, Charles E., Allentown, Pa., assignor to Bradley Pulverizer Company, Boston, Mass. Lubricating mechanism for bearings of rotatable members. 1,466,455; Aug. 28.
Needham, Charles E. (See Gibson, W. A., and Needham.)
Neitzel, Frank E., San Francisco, Calif., assignor to Bethlehem Shipbuilding Corporation, Ltd., South Bethlehem, Pa. Multiple spindle drill. 1,466,145; Aug. 28.
Newburg, W. H. (See Garbacz, Albert, assignor.)
Newman, Louis, J., New Rochelle, N. Y. Resilient wheel. 1,466,099; Aug. 28.
Nichols, Ira G., Mandan, N. Dak. Denture. 1,466,543; Aug. 28.
Nicholson, William S., Rochester, N. Y. Candy depositor. 1,466,338; Aug. 28.
Noble, Boughton T., Plantsville, assignor to Clark Bros. Bolt Co., Milldale, Conn. Forming bolts. 1,466,244; Aug. 28.
Noble, Boughton T., Plantsville, assignor to Clark Bros. Bolt Co., Milldale, Conn. Dies for forming bolts. 1,466,245; Aug. 28.
Noe, Hughlett L. (See Miller, F., and Noe.)
Noll, Henry J., Milwaukee, Wis. Front-wheel brake. 1,466,146; Aug. 28.
Nordell, Eskel, Chicago, Ill. Coating appliance. 1,466,456; Aug. 28.
Nordström, Leon, Stockholm, Sweden. Lumber-transporting device. 1,466,547; Aug. 28.
Northrop, Jonas, Hopedale, assignor to Hopedale Manufacturing Company, Milford, Mass. Tension-regulating mechanism for warp beams. 1,466,100; Aug. 28.

Norton, Sereno G., Kenvil, N. J., assignor to Hercules Powder Company, Wilmington, Del. Explosive. 1,466,147; Aug. 28.
Nothels, Magnus, North Bergen, assignor, by mesne assignments, to White Metal Manufacturing Company, Jersey City, N. J. Finishing machine for tubes and the like. 1,466,439; Aug. 28.
Nuberg, Matthys. (See Hamilton, G. H., and Nuberg.)
Nusbaum, Harry and J., assignors to P. E. Sharpless Company, Philadelphia, Pa. Coating metal foil with paraffin and the product thereof. 1,466,380; Aug. 28.
Nusbaum, Joseph. (See Nusbaum, Harry and J.)

Oetzel, Harold, Chicago, Ill. Folding trestle. 1,465,947; Aug. 28.
Oliver Chilled Plow Works. (See Altgelt, Herman E., assignor.)
Oliver Chilled Plow Works. (See Lowry, Edmund J., assignor.)
Olsen, Olaf C. S., Chicago, Ill. Waste basket. Des. 62,959; Aug. 28.
O'Neill, Daniel. (See Campbell, C. J., and O'Neill.)
Orton, Frederick. (See Smith, R. S., Miller, and Orton.)
Ostenberg, Zeno, assignor to The Caltex Company, San Jose, Calif. Coating-machine block adjuster. 1,466,184; Aug. 28.
Ottumwa Iron Works. (See Mead, Ezra B., assignor.)
Owens, Michael J., assignor to The Libbey-Owen Sheet Glass Company, Toledo, Ohio. Sheet-glass-drawing mechanism. 1,466,457; Aug. 28.
Oyster, Clyde J., Alliance, Ohio. Confectionery-coating machine. 1,466,381; Aug. 28.

Paisseau, Jean. (See Bonnet, Louis, assignor.)
Palmer, Charles W., and W. A. Dickie, Spondon, near Derby, assignors to H. Dreyfus, London, England. Manufacture of artificial filaments, threads, and films. 1,465,994; Aug. 28.
Palombo, Faustino, Bedford, Ohio. Spring wheel. 1,466,544; Aug. 28.
Panes, Isidore, New York, N. Y. Brassière. 1,466,598; Aug. 28.
Panyard, Alfred A., Detroit, Mich. Piston ring. 1,466,558; Aug. 28.
Papst, Hilmar. (See Hall, Elmon L., assignor.)
Parkyn, Herbert A., Chicago, Ill. Fireproof wall board. 1,466,246; Aug. 28.
Parr, Harry A. (See Hatcher, R. L., and Parr.)
Pascucci, Emilio, assignor to Corning Glass Works, Corning, N. Y. Reflector. 1,466,410; Aug. 28.
Pearson, Robert E., Yonkers, N. Y. Electric cooking and heating apparatus. 1,465,995; Aug. 28.
Pedersen, Johannes T., Flushing, assignor to A. M. Sloss, New York, N. Y. Coffee-urn pump. 1,466,458; Aug. 28.
Penn Rivet Corporation. (See Smith, Oscar L., assignor.)
Perrault, Joseph E., assignor to Hood Rubber Company, Watertown, Mass. Bias-flap stock cutting and applying machine. 1,466,101; Aug. 28.
Perry, James M., assignor to himself and A. B. Hanson, Detroit, Mich. Rolling mill. 1,466,459; Aug. 28.
Peters, Arthur W., assignor to The Surface Combustion Co. Incorporated, New York, N. Y. Feeding mechanism. 1,466,029; Aug. 28.
Peters, William A., jr., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Distillation apparatus. 1,466,411; Aug. 28.
Petersen, Peter E., deceased, Boston, Mass.; F. Loveroni, administrator. Artificial bait. 1,466,545; Aug. 28.
Petersen, Earl W., assignor of one-half to National Steel Door Co., Chicago, Ill. Metal door. 1,466,651; Aug. 28.
Peterson, Earl W., assignor of one third to F. J. Le Beau and one-third to E. B. Thelin, Chicago, Ill. Metal door. 1,466,650; Aug. 28.
Petroleum Rectifying Company of California. (See Eddy, Harold C., assignor.)
Pettibone, Arthur D., Cleveland, assignor to The B. L. Marble Chair Company, Bedford, Ohio. Adjusting wheel for chair irons. Des. 62,960; Aug. 28.
Peycke, Armand H., assignor to American Steel Foundries, Chicago, Ill. Brake mechanism. 1,466,478; Aug. 28.
Pfeifer, Frank, Minneapolis, Minn. Cracking furnace. 1,466,511; Aug. 28.
Pick, Albert, & Company. (See Kellogg, Edmund P., assignor.)
Pick, Albert, & Company. (See Pick, Hugo, assignor.)
Pick, Hugo, assignor to Albert Pick & Company, Chicago, Ill. Drinking straw. 1,466,185; Aug. 28.
Pickop, George B., New Haven, Conn., assignor to The Malleable Iron Fittings Company, Bradford, Conn. Spraying device. 1,466,247; Aug. 28.
Pidgeon, Andrew J., St. Ferdinand of Halifax, Quebec, Canada. Automobile sleigh. 1,466,546; Aug. 28.
Pidgeon, Clifford H., Columbus, Ohio. Hydrocarbon burner. 1,466,186; Aug. 28.
Pike, Robert D., San Francisco, Calif. Ore-roasting furnace. 1,466,382; Aug. 28.
Pilliod, Charles J., assignor to D. Searles, trustee, Toledo, Ohio. Valve gear. 1,465,948; Aug. 28.
Pizzino, James V., Harrisville, Pa. Ash-receptacle attachment for cigars. 1,466,512; Aug. 28.
Plante, Levi N., Worcester, Mass. Film carrier. 1,466,339; Aug. 28.
Pneumercator Company. (See Field, Michael B., assignor.)
Pollard, Arthur L., and E. Baseman, assignors to Massey-Harris Harvester Company, Inc., Batavia, N. Y. Wheeled cultivator. 1,466,340; Aug. 28.
Polygraphische Gesellschaft. (See Schäffer, Werner, assignor.)
Potter, Earle F., assignor to The Potter Specialties Company, Chicago, Ill. Indicating device. 1,466,479; Aug. 28.
Potter Specialties Company, The. (See Potter, Earle F., assignor.)
Powell, John O. (See Folland, H., and Powell.)
Powell, Winfred T., Rochester, N. Y., assignor to Automatic Electric Company, Chicago, Ill. Automatic telephone system. Re15,682; Aug. 28.
Priddey, Winwood. (See Fisher, S., and Priddey.)
Proctor & Schwartz, Incorporated. (See Griffith, Charles T., assignor.)
Proctor, Clifton J., Holmesville, Ontario, Canada. Mousetrap. 1,466,102; Aug. 28.
Psilander, Charles A., assignor to William Wharton Jr. & Company, Incorporated, Easton, Pa. Track structure. 1,466,630; Aug. 28.
Psilander, Charles A., assignor to William Wharton Jr. & Company, Incorporated, Easton, Pa. Tongue switch. 1,466,631; Aug. 28.
Purdon, Robert L., Laidlaw, British Columbia, Canada. Reversible bed. 1,466,599; Aug. 28.
Purdy, Charles G., Brooklyn, N. Y. Exercising device. 1,466,559; Aug. 28.
Puth, George J., Appleton, Wis. Snowplow. 1,466,187; Aug. 28.

Quadar, Victor A., et al. (See Whitcomb, James, assignor.)
Quist, Fred, Seattle, Wash. Anticreeper for rails. 1,466,188; Aug. 28.

Radinse, Rudolf R., Cleveland, Ohio. Rotary brush. 1,466,103; Aug. 28.
Rainsford, Francis F., assignor to Stephen Sanford & Sons, Inc., Amsterdam, N. Y. Rug. Des. 62,961; Aug. 28.
Ramo Manufacturing Company, The. (See McCarthy, Edward F., assignor).
Rand, James H., North Tonawanda, N. Y. Rotatable index. 1,466,059; Aug. 28.
Raney, James L., Cleveland, Ohio. Waterproof cigarette case. 1,466,548; Aug. 28.
Raven, Artie L., San Jose, Calif. Kindling compound. 1,466,480; Aug. 28.
Ravn, Hans P., Waterloo, Iowa. Adjustable screen. 1,466,060; Aug. 28.
Raze, James E., Portland, Oreg. Seed separator. 1,466,560; Aug. 28.
Rebello, Oscar, Bahia, Brazil. Homogeneous aluminum solder. 1,466,061; Aug. 28.
Reece Button Hole Machine Company, The. (See Klewicz, John, assignor.)
Reece, Juan H., assignor to Rex Steel Stamping Company, Joliet, Ill. Punch press. 1,466,030; Aug. 28.
Reed, Frederick J. and J. S., Southampton, England. Electrically-heated vaporizer for internal-combustion engines. 1,466,248; Aug. 28.
Reed, James H., Swampscott, Mass., assignor to The Singer Manufacturing Company, Elizabeth, N. J. Welt-guide and stitch-indenting mechanism. 1,466,341; Aug. 28.
Reed, John S. (See Reed, Frederick J. and J. S.)
Reed, Martin R., et al. (See Mosley, Elzie V., assignor.)
Rees, Claude, and C. F. Hine, San Francisco, Calif. Radiator for drying apparatus. 1,466,383; Aug. 28.
Reeves Manufacturing Company, The. (See Krantz, Joseph A., assignor.)
Reidenbach, Herman O., assignor to L. A. Young Industries, Inc., Detroit, Mich. Spring structure. 1,465,996; Aug. 28.
Rein, Max. (See Hermance, C. C., and Rein.)
Reinsch, Alfred, Berlin-Marienfelde, assignor to Daimler-Motoren-Gesellschaft, Unterturkheim, Germany. Arrangement of the operating cams of the fuel valves in Diesel motors. 1,466,249; Aug. 28.
Remington Accounting Machine Corporation. (See Sieweck, Carl A., assignor.)
Remington Arms Company, Inc. (See Mann, Miles H., assignor.)
Rencsok, Dave, Huntington, W. Va. Picture-frame hanger. 1,466,561; Aug. 28.
Rentschler, Harvey C., Wilkinsburg, Pa., assignor to Westinghouse Lamp Company. Electron-tube apparatus. 1,465,997; Aug. 28.
Rentschler, Harvey C., Wilkinsburg, Pa., assignor, by mesne assignments, to Westinghouse Lamp Company. Detector tube. 1,465,998; Aug. 28.
Reschke, William F., Wichita, Kans. Mechanism for fuel-oil generation. 1,466,250; Aug. 28.
Rentter, Philip A., assignor to Scovill Manufacturing Company, Waterbury, Conn. Vanity box. Des. 62,962; Aug. 28.
Rex Metal Products Co. (See Smythe, Richard M., assignor.)
Rex Steel Stamping Company. (See Reece, Juan H., assignor.)
Reynolds, Roy, Cincinnati, Ohio. Brake-band lining. 1,466,189; Aug. 28.

Rhodes, Jay B., Kalamazoo, Mich., assignor to Western Wheeled Scraper Company, Aurora, Ill. Valve mechanism for dump cars. 1,466,342; Aug. 28.

Rhodes, Leverett E., Hartford, Conn. Vertical-shaper attachment. 1,466,062; Aug. 28.

Ribaric, Anthony, St. Michael, Pa. Safety appliance for bank tellers. 1,466,513; Aug. 28.

Richmond, Walter, Glenellyn, Ill. Sanitary nursing bottle. 1,466,190; Aug. 28.

Ridgely, Holland P., assignor to The Cutler Electrical and Manufacturing Company, Philadelphia, Pa. Safety switch. 1,466,481; Aug. 28.

Ringle, Homer G., and J. M. Stewart, assignors to The Bucher & Gibbs Plow Company, Canton, Ohio. Disk harrow. 1,466,063; Aug. 28.

Rippin, James Y., New York, N. Y. Aeroplane toy. 1,466,031; Aug. 28.

Rix, Edward A., San Francisco, Calif. Liquid dispensing and measuring device. 1,466,482; Aug. 28.

Roach, Joseph H., deceased, Brookline, Pa., Walter T. Roach, executor. Stoker furnace. 1,466,562; Aug. 28.

Roach, Walter T., executor. (See Roach, Joseph H.)

Roberts, Arthur, Evanston, Ill., assignor, by mesne assignments, to Chicago Trust Company, trustee, Chicago, Ill. Coke-oven door and the like. 1,466,064; Aug. 28.

Rolls Royce Limited. (See Royce, Frederick H., assignor.)

Romaneczuk, Frank. (See Czarnieckl, Andrew J., assignor.)

Rooney, John H., Clifton, N. J. Automatic lubricating system. 1,466,251; Aug. 28.

Ross, Alphonse, Chicago, Ill. Adjustable serving stand. 1,466,191; Aug. 28.

Rose, Elias B., Portland, Oreg. Air gauged filler vent. 1,466,483; Aug. 28.

Rosen, Nathan, New York, N. Y. Lamp reflector. 1,466,484; Aug. 28.

Ross, Frederick N., assignor to Button Attaching Machine Company, Detroit, Mich. Button. 1,465,949; Aug. 28.

Ross, James J. (See Mann, Mitchell R., assignor.)

Rouchaud, Charles. (See Lamassiaude, J., and Rouchaud.)

Rouchaud, Fernand. (See Lamassiaude, J., and Rouchaud.)

Rouse, Harry L., Rochester, N. Y. Camp stove. 1,466,343; Aug. 28.

Royce, Frederick H., assignor to Rolls Royce Limited, Derby, England. Brake for vehicles. 1,466,549; Aug. 28.

Rnmpp, C. F., & Sons, Inc. (See Grupe, William F., assignor.)

Rushton, Thomas H., Birmingham, England. Resilient wheel for motor and other like vehicles. 1,466,550; Aug. 28.

Rutherford, William O., Jackson, Tenn. Line holder. 1,466,563; Aug. 28.

Ryan, Patrick, Astoria, N. Y. Apparatus for taking and preserving finger-print impressions. 1,466,032; Aug. 28.

Safford, Wilford S. (See Harvey, Frank R., assignor.)

Salisbury, George F., Minneapolis, Minn. Combined awning and shade. 1,466,600; Aug. 28.

Samain, Pierre, Cusy, Haute-Savoie, France. Automatic hydraulic apparatus. 1,466,412; Aug. 28.

Sampson, Everett T., Franklin, Mass. Yarn clamp. 1,466,485; Aug. 28.

Samuel, Frederick W., New York, N. Y. Necktie rack. 1,466,564; Aug. 28.

Sanders, James L., Columbus, Kans. Float. 1,466,601; Aug. 28.

Sands, Jesse L., Fairmont, W. Va. Crank. 1,466,148; Aug. 28.

Sanford, Andrew J., assignor to A. H. Helsey & Co., Newark, Ohio. Bottle or similar article. Des. 62,963; Aug. 28.

Sanford, Stephen, & Sons, Inc. (See Barkley, Danford, assignor.)

Sanford, Stephen, & Sons, Inc. (See Handley, John H., assignor.)

Sanford, Stephen, & Sons, Inc. (See Rainsford, Francis F., assignor.)

Santoni, Enotrio R., Ancona, Italy. Contracted or shortened characters for print. 1,466,565; Aug. 28.

Sardou, George, New York, N. Y. Folding box. 1,466,344; Aug. 28.

Sargent's, C. G., Sons Corporation. (See Furbush, Frank L., assignor.)

Savicks, Longin, Rockford, Ill., assignor of one-half to A. P. Dockus, Detroit, Mich. Trap. 1,466,602; Aug. 28.

Sawyer, Henry A. (See Hancock, Harry H., assignor.)

Sayville Furniture Company, Inc. (See Gillam, Wilson J., assignor.)

Schaanning, Peder C., Vestre Holmen, near Christiania, Norway. Method and arrangement for conveying wood pulp. 1,466,413; Aug. 28.

Schade, John, assignor to National Blank Book Company, Holyoke, Mass. Loose-leaf binder. 1,466,313; Aug. 28.

Schäffer, Werner, assignor to the Firm Polygraphische Gesellschaft, Laupen-Bern, Switzerland. Typewriter. 1,466,491; Aug. 28.

Schiller, Herman G., Lawrence, Mass. Signal lamp and mirror. 1,465,950; Aug. 28.

Schlafge, William, et al. (See Kothe, Charles A., assignor.)

Schloss, Morris, New York, N. Y. Machine for stitching hat brims and the like. 1,466,486; Aug. 28.

Schmelzer, Anton C., Springfield, assignor, by mesne assignments, to Century Machinery Corporation, Holyoke, Mass. Washing machine. 1,466,192; Aug. 28.

Schmidt, John G., Springfield Gardens, N. Y. Automobile bumper. 1,465,999; Aug. 28.

Schuman, Harry. (See Dietz, C. A., and Schuman.)

Schuster, Anton, St. Louis, Mo. Attachment for barber shears. 1,466,193; Aug. 28.

Schuyler, Karl C., trustee. (See Waters, Harry F., assignor.)

Schwarz, Adolph W., St. Paul, Minn. Toy. 1,466,194; Aug. 28.

Schwerin, Frank H., West View, assignor to The Duff Manufacturing Company, Pittsburgh, Pa. Trip jack. 1,466,195; Aug. 28.

Scovill Manufacturing Company. (See Reutter, Philip A., assignor.)

Scovill Manufacturing Company. (See Tompkins, Emerson H., assignor.)

Seals, Dennis, Evanston, Wyo. Shoe-cleaning guard. 1,466,065; Aug. 28.

Searles, Daniel, trustee. (See Pilloid, Charles J., assignor.)

Sease, Virgil B. (See Kessler, J. M., and Sease.)

Seehler, Will N., Fort Scott, Kans. Arch support. 1,466,384; Aug. 28.

Seede, John A., Schenectady, N. Y., assignor to General Electric Company. Electric-furnace apparatus and operating the same. 1,466,603; Aug. 28.

Segman, William, New York, N. Y. Bracelet. 1,466,566; Aug. 28.

Seiders, William G., Butler, Pa. Tool. 1,466,196; Aug. 28.

Sellers, William, & Company. (See Burt, John, assignor.)

Serstè, Jacques E., Brussels, Belgium. Vehicle body. 1,466,345; Aug. 28.

Service Bag Co. (See Bunker, J. W., and Boney, assignors.)

Séviguè, Henri A., Winthrop, assignor to National Bread Wrapping Machine Company, Boston, Mass. Printing attachment for wrapping machines. 1,466,000; Aug. 28.

Shaffer, Richard W., Ebensburg, Pa. Brace. 1,466,487; Aug. 28.

Sharaf, R. M., Machine Co. (See Sharaf, Ralph M., assignor.)

Sharaf, Ralph M., New York, N. Y., assignor to R. M. Sharaf Machine Co., Boston, Mass. Loop-taker mechanism for zig-zag sewing machines. 1,466,149; Aug. 28.

Sharaf, Ralph M., New York, N. Y., assignor to R. M. Sharaf Machine Co., Boston, Mass. Zigzag mechanism for sewing machines. 1,466,150; Aug. 28.

Sharaf, Ralph M., New York, N. Y., assignor to R. M. Sharaf Machine Co., Boston, Mass. Trimming or cutting mechanism for sewing machines. 1,466,151; Aug. 28.

Sharaf, Ralph M., New York, N. Y., assignor to R. M. Sharaf Machine Co., Boston, Mass. Sewing-machine feed mechanism. 1,466,152; Aug. 28.

Sharaf, Ralph M., New York, N. Y., assignor to R. M. Sharaf Machine Co., Boston, Mass. Lace holder and guide for sewing machines. 1,466,153; Aug. 28.

Sharaf, Ralph M., New York, N. Y., assignor to R. M. Sharaf Machine Co., Boston, Mass. Needle-jogging mechanism for sewing machines. 1,466,154; Aug. 28.

Sharpless, P. E., Company. (See Nusbaum, Harry and J., assignors.)

Shaw, Clarence E., Gig Harbor, Wash. Revolving card device. 1,466,252; Aug. 28.

Shelmon, Henry, Ventress, Tex. Bottle closure. 1,466,314; Aug. 28.

Shepherd, Alfred E., Flint, and E. G. Lovering, Detroit, Mich. Manufacturing filigree metal lamp shades. 1,466,033; Aug. 28.

Shepherd, Harold F., assignor to The Bessemer Gas Engine Company, Grove City, Pa. Hot pot for explosive engines and forming the same. 1,466,346; Aug. 28.

Sherman, John Q. (See Metzner, A. W., and Sherman.)

Shinkle, Guy E., et al. (See Brown, Henry A., assignor.)

Shockley, Clarence W., Mount Sterling, Ohio. Selector for gear-shifting mechanism. 1,466,067; Aug. 28.

Shoults, Abe, St. Louis, Mo. Sanitary chicken roost. 1,466,197; Aug. 28.

Shumaker, Walter C., Orangeville, Ill. Facing tool. 1,466,385; Aug. 28.

Shuster, Elmore F., New Haven, Conn. Wire straightening and cutting machine. 1,466,002; Aug. 28.

Sickinger, William, Chicago, Ill. Electrically-heated waffle iron. 1,466,198; Aug. 28.

Sieweck, Carl A., assignor to Remington Accounting Machine Corporation, New York, N. Y. Calculating machine. 1,466,488; Aug. 28.

Singer Manufacturing Company, The. (See Fletcher, Henry O., assignor.)

Singer Manufacturing Company, The. (See Reed, James H., assignor.)

Skinner, Merrill E., Wilkinsburg, Pa., assignor to Westinghouse Electric & Manufacturing Company. Ventilating system for reactance coils. 1,466,253; Aug. 28.

Sloss, Aaron M. (See Pedersen, Johannes T., assignor.)

Smith, A. O., Corporation. (See Smith, R. S., Miller, and Orton, assignors.)

Smith, Abner L., Hall, Tex. Device for forcing fluid from wells. 1,466,199; Aug. 28.

Smith, David P., Meriden, Conn. Arch support. 1,466,386; Aug. 28.

Smith, Frank C., Los Angeles, Calif. Rotary pump. 1,466,068; Aug. 28.

Smith, Jesse A. B., Stamford, Conn., assignor to Underwood Typewriter Company, New York, N. Y. Typewriting machine. 1,466,632; Aug. 28.

Smith, Joseph F. (See Sieder, A. P., and Smith.)

Smith, Oscar A., East Cleveland, and G. J. Leber, Cleveland, Ohio. Transom-operating mechanism. 1,465,951; Aug. 28.

Smith, Oscar A., and A. J. Weatherhead, jr., Cleveland, Ohio. Drain cock. 1,465,952; Aug. 28.

Smith, Oscar A., East Cleveland, and G. J. Leber, Cleveland, Ohio. Transom-operating mechanism. 1,465,953; Aug. 28.

Smith, Oscar L., Rydal, assignor to Penn Rivet Corporation, Philadelphia, Pa. Hair curler. 1,466,254; Aug. 28.

Smith, Raymond W., Detroit, Mich. Reflector for autos. 1,466,567; Aug. 28.

Smith, Reuben S., H. Miller, and F. Orton, assignors to A. O. Smith Corporation, Milwaukee, Wis. Press for offsetting metal plates in the line of their width. 1,466,104; Aug. 28.

Smythe, Richard M., Boonton, N. J., assignor, by mesne assignments, to Rex Metal Products Co., Inc., Brooklyn, N. Y. Disk drainer. 1,466,514; Aug. 28.

Snead & Co. Iron Works. (See Macdonald, Augus S., assignor.)

Snyder, George C., New York, N. Y. Manufacture of polyhedral laminated articles. 1,466,034; Aug. 28.

Sparks, William, Jackson, Mich., assignor, by mesne assignments, to Stewart-Warner Speedometer Corporation, Richmond, Va. Liquid-feeding device. 1,466,387; Aug. 28.

Speck, Emil, Peterson, N. J., assignor to The Taylor-Fridsam Company. Ribbon, textile fabric, or article of similar nature. Des. 62,964; Aug. 28.

Sperry Gyroscope Company, The. (See Bassett, Preston R., assignor.)

Sperry Gyroscope Company, The. (See Whitaker, Omar B., assignor.)

Spitzer, Benjamin L., New York, N. Y. Combination mount and container for transparent films. 1,466,255; Aug. 28.

Springmann, Theodor E., Charlottenburg, near Berlin, Germany. Obtaining nitric oxide. 1,466,604; Aug. 28.

Square D Company. (See Horton, Bryson D., assignor.)

St. Stephens, Raynar de H., Camborne, and A. Ewing, London, England. Percussive rock drill and the like. 1,466,516; Aug. 28.

Stahl, Charles E., and H. J. Bentson, Winthrop Harbor, Ill., assignors, by mesne assignments, to E. C. Austin Machinery Company. Excavator. 1,466,568; Aug. 28.

Stair, Daniel E., Elkhart, Ind. Split bucket. 1,466,200; Aug. 28.

Standard Register Company, The. (See Metzner, Albert W., assignor.)

Stanley, Irving, assignor to Angel International Corporation, New York, N. Y. Apparatus for making receptacles or containers. 1,466,211; Aug. 28.

Starrett, Henry F., assignor to Starrett Mfg. Co., Chicago, Ill. Lock. 1,466,489; Aug. 28.

Starrett Mfg. Co. (See Starrett, Henry F., assignor.)

Steiter, Edward B., Hingham, Mont. Force-pump oil can. 1,466,256; Aug. 28.

Stevens, George A., Ringwood, Ill. Road-building and ditch-cleaning machine. 1,466,569; Aug. 28.

Stevens, Isaac F. (See Ames, F. C., and Merril, assignors.)

Stewart, Jonathan M. (See Ringle, H. G., and Stewart.)

Stewart-Warner Speedometer Corporation. (See Sparks, William, assignor.)

Stirlss, Jacob, New York, N. Y., assignor to International Ticket Company, Newark, N. J. Ticket deliverer. 1,466,492; Aug. 28.

Stoelting, Adolph F., assignor to Stoelting Bros. Company, Kiel, Wis. Milk can. 1,466,515; Aug. 28.

Stoelting Bros. Company. (See Stoelting, Adolph F., assignor.)

Strom, Eric O., Hilton, N. J. Wrapping machine. 1,466,633; Aug. 28.

Strong, Homer. (See Baumer, John C., assignor.)

Strothotte, August, St. Louis, Mo. Cycle car. 1,466,201; Aug. 28.

Strzelczyk, Samuel A., Milwaukee, Wis. Milk-bottle-cap remover. 1,466,517; Aug. 28.

Stursce, Herman E., Brooklyn, assignor to General Carbonic Company, New York, N. Y. Producing carbon dioxide. 1,465,954; Aug. 28.

Stursce, Herman E., Brooklyn, assignor to General Carbonic Company, New York, N. Y. Apparatus for treating liquids. 1,465,955; Aug. 28.

Sturdy's, J. F., Sons Co. (See Eklund, Axel G., assignor.)

Sturdy's, J. F., Sons Company. (See Lohrmann, Ernst H., assignor.)

Sullivan Machinery Company. (See Mercer, Henry H., assignor.)

Surface Combustion Co., The. (See Eddison, William B., assignor.)

Surface Combustion Co., The. (See Hepburn, William M., assignor.)

Surface Combustion Co. (See Peters, Arthur W., assignor.)

Swanson, Peter, and A. W. Carlson, Ely, Minn. Auxiliary car step. 1,466,212; Aug. 28.

Swaroczky, Antoni, Detroit, Mich. Water gauge for heating boilers. 1,465,956; Aug. 28.

Swenson, Oscar L. W., Brooklyn, N. Y. Die-casting machine. 1,466,490; Aug. 28.

Swift & Company. (See Flick, Clarence, assignor.)

Swindale, John W. (See Lee, H. W., and Swindale.)

Swindle, Edna B., Lanark, Mont. Attachment for clotheslines. 1,466,570; Aug. 28.

Taber, Charles A., Oakland, Calif. Torque shock absorber. 1,466,414; Aug. 28.

Talley, Randal E., Irwin, Pa., assignor to Westinghouse Electric & Manufacturing Company. Annealing metal. 1,466,257; Aug. 28.

Tarbox, John P., Garden City, assignor, by mesne assignments, to Curtiss Aeroplane and Motor Corporation, Buffalo, N. Y. Wing-shedding means for flying boats. 1,466,634; Aug. 28.

Tate Manufacturing Company. (See Hans, Clemens A., assignor.)

Taylor, Alfred M., Birmingham, England. Means for and method of reducing capacity-current losses in electric cables. 1,466,069; Aug. 28.

Taylor-Fridsam Company, The. (See Speck, Emil, assignor.)

Taylor, John W., Pendleton, England. Machine for making wire fabric. 1,466,415; Aug. 28.

Taylor-Wharton Iron and Steel Company. (See Apgar, S., and Hanks, assignors.)

Taylor-Wharton Iron and Steel Company. (See Crook, Alfred, assignor.)

Taylor-Wharton Iron and Steel Company. (See Hall, J. H., and Apgar, assignors.)

Teagle Company, The. (See Le Pontois, Léon J., assignor.)

Teagle Company, The. (See Tower, Charles H., assignor.)

Tector, Paul, Lawrence, Kans., assignor to The Jeffery-Dewitt Company, Detroit, Mich. Surfacing material for refractory ware. 1,466,213; Aug. 28.

Temple, William C., Munson, Fla. Reenforced concrete railroad tie. 1,466,003; Aug. 28.

Thelin, Erick B., et al. (See Peterson, Earl W., assignor.)

Thelen, Rolf, Madison, Wis., dedicated, by mesne assignments, to the Citizens of the United States of America. Reversible circulation internal fan kiln. 1,466,518; Aug. 28.

Thomas, Frank O., La Crosse, Wis. Safety-razor-blade stropper. 1,466,605; Aug. 28.

Thomas, Harry J., Greensboro, N. C. Car reraller. 1,466,035; Aug. 28.

Thompson, Emory A., Hope, Ark. Power-transmission mechanism. 1,466,214; Aug. 28.

Thorsen, Ludvig, Stavanger, Norway. Apparatus for scrubbing ships' bottoms below the water level. 1,466,315; Aug. 28.

Thorssell, Carl T., and O. Troell, assignors to Aktiebolaget Kvafveindustri, Gottenborg, Sweden. Agglomerating pulverous materials. 1,466,571; Aug. 28.

Thurston, Albert P., London, assignor of two-thirds to The Bristol Aeroplane Company Limited, Bristol, England. Aircraft submarine, torpedo, and other totally-immersed craft or structure. 1,466,551; Aug. 28.

Tirrill, Allen A., Pittsburgh, Pa., assignor to Westinghouse Electric & Manufacturing Company. Electrical regulator. 1,466,258; Aug. 28.

Todd, Samuel H., Detroit, Mich. Thermostat. 1,466,070; Aug. 28.

Todd, Samuel H., Detroit, Mich. Electric switch. 1,466,071; Aug. 28.

Todd, Samuel H., Detroit, Mich. Refrigerating apparatus. 1,466,072; Aug. 28.

Tomes, J. N., Smoke Consumer and Fuel Economizer Co. (See Tomes, Joseph N., assignor.)

Tomes, Joseph N., Olean, assignor to J. N. Tomes Smoke Consumer and Fuel Economizer Co., Inc., Buffalo, N. Y. Smoke consumer. 1,466,073; Aug. 28.

Tompkins, Emerson H., assignor to Scovill Manufacturing Company, Waterbury, Conn. Vanity box. Des. 62,965; Aug. 28.

Tompkins, Emerson H., assignor to Scovill Manufacturing Company, Waterbury, Conn. Vanity box. Des. 62,966; Aug. 28.

Tootill, Sidney, London, England. Gramophone tone arm. 1,466,493; Aug. 28.

Topham, James B., Zellenople, Pa. Tire. Des. 62,967; Aug. 28.

Topham, James B., Zellenople, Pa. Tire. Des. 62,968; Aug. 28.

Topham, James B., Zellenople, Pa. Tire. Des. 62,969; Aug. 28.

Topham, James B., Zellenople, Pa. Tire. Des. 62,970; Aug. 28.

Tower, Charles H., assignor to The Teagle Company, Cleveland, Ohio. System and apparatus for generating and distributing electric currents. 1,466,635; Aug. 28.

Towers, Donigan D., Baltimore, Md. Lubricating means for twister rings. 1,466,004; Aug. 28.
Towers, Donigan D., Baltimore, Md. Lubricating means for twister rings. 1,466,005; Aug. 28.
Traer, Glenn W., and C. M. Garland, assignors to Universal Coal Products Company, Chicago, Ill. System of coking. 1,466,215; Aug. 28.
Trageser, Albert H., and L. Hassinger, New York, N. Y. Container. 1,466,606; Aug. 28.
Trefs, George, Montville, N. J. Loose wheel construction. 1,466,074; Aug. 28.
Triay, Edward J., jr., Jacksonville, Fla. Lace-locking means for articles of personal wear. 1,466,075; Aug. 28.
Troell, Otto. (See Thorssell, C. T., and Troell.)
Trood, Samuel, Pittsburgh, Pa. Apparatus for producing and utilizing combustible mixture. 1,466,006; Aug. 28.
Trubisky, John, Kipling, Ohio. Vegetable slicer. 1,466,105; Aug. 28.
Trueblood, Samuel L., Baton Rouge, La. Direction indicator. 1,466,607; Aug. 28.
Trumbull Electric Manufacturing Company, The. (See Getchell, Benjamin E., assignor.)
Trumbull Electric Manufacturing Co., The. (See Wheeler, Frank T., assignor.)
Trump, Elno H., assignor to The Lambert Tire & Rubber Company, Barberton, Ohio. Elastic vehicle tire. Des. 62,971; Aug. 28.

U. S. Industrial Alcohol Co. (See Hammond, John A. S., assignor.)
Underwood Typewriter Company. (See Lasher, Hiram S., assignor.)
Underwood Typewriter Company. (See Smith, Jesse A. B., assignor.)
Uni-Form Company. (See Amoursen, Nils F., assignor.)
Union Switch & Signal Company, The. (See McCann, Ronald A., assignor.)
Universal Coal Products Company. (See Traer, G. W., and Garland, assignors.)
Universal Manufacturing Company. (See Lowe, William A. J., assignor.)
Upton, Ted, et al. (See Whitcomb, James, assignor.)

Valentine, William A., assignor to Edward G. Budd Manufacturing Company, Philadelphia, Pa. Die-fitting apparatus. 1,466,255; Aug. 28.
Van Pelt, Elmer L., assignor to G. Fruth, Denver, Colo., and H. E. McElwain, Holyoke, Mass. Film-joining machine. 1,466,076; Aug. 28.
Varone, Frederick, assignor of one-half to C. F. Garland, Boston, Mass. Spark plug. 1,466,316; Aug. 28.
Venango Knitting Mills, Incorporated. (See Dugan, Walter B., assignor.)
Vengrin, Stanley, and J. M. Johnson, Duluth, Minn. Grinder. 1,466,216; Aug. 28.
Victor Rubber Company, The. (See Bosworth, Percy B., assignor.)
Vineyard, Pleas E., Windom, Tex. Accelerator. 1,466,608; Aug. 28.
Vistine, John, Cicero, Ill. Vegetable cutter. 1,466,519; Aug. 28.
Vonderheid, Carl A., and H. L. Eddy, Oil Hill, Kans. Boiler flue cleaner or scaler. 1,466,317; Aug. 28.

Wahl Company, The. (See Wahl, John C., assignor.)
Wahl, John C., assignor to The Wahl Company, Chicago, Ill. Clip for mechanical pencils. 1,465,957; Aug. 28.
Wallman, Herman G., St. Cloud, West Orange, N. J. Float device. 1,466,494; Aug. 28.
Walters, Le Roy A., Miami, Fla. Key ring. 1,466,572; Aug. 28.
Walton, Clifford J., Collingswood, N. J., assignor to American Telephone and Telegraph Company. Wire grip. 1,466,007; Aug. 28.
Ward, Artemas. (See Giles, Harvey, assignor.)
Wardell, Henry R., New York, N. Y., assignor to Johns-Manville Incorporated. Roof covering. 1,466,077; Aug. 28.
Warren Featherbone Company. (See Johnston, James G., jr., assignor.)
Washburn, Lillian E., Blue Stores, N. Y. Lacing device. 1,466,078; Aug. 28.
Washburne, James V., Fulton, N. Y. Fastening device. 1,466,347; Aug. 28.
Waterbury Buckle Co. (See Moore, Roswell A., assignor.)
Waterbury Clock Co. (See Wehinger, Frederick, assignor.)
Waters, Harry F., assignor to K. C. Schuyler, trustee, Denver, Colo. Means for curing tires. 1,466,318; Aug. 28.
Watson, Charles, New York, N. Y. Rope coupling. 1,466,495; Aug. 28.
Wattells, Frank, Chicago, Ill. Counter guard for banks. 1,466,217; Aug. 28.
Weatherhead, Albert J., jr. (See Smith, O. A., and Weatherhead, jr.)
Weathersby, Hardaman R., and J. F. Bozeman, West Columbia, Tex. Drill-rod tool. 1,466,319; Aug. 28.
Weaver, Joseph W., Lebanon, Pa. Rubber ball. 1,466,609; Aug. 28.
Webster Mfg. Co. (See Jacobsen, Richard S., assignor.)
Wehinger, Frederick, assignor to Waterbury Clock Co., Waterbury, Conn. Chime clock. 1,466,008; Aug. 28.
Weldaw, Harry A., Akron, Ohio. Tire-tubing machine. 1,466,009; Aug. 28.
Weidlich Bros. Mfg. Co., The. (See Flauder, Alfred J., assignor.)
Weinel, Karl, assignor to Freyn, Bassert & Company, Chicago, Ill. Overflow drain and water seal for gas washers. 1,466,348; Aug. 28.
Weiner, Harry. (See Kroll, Maurice J., assignor.)
Weinhardt, Robert A., Chicago, Ill., assignor to Continental Motors Corporation, Detroit, Mich. Bracket suspension or motor-supporting means. 1,466,610; Aug. 28.
Wensley, Roy J., Edgewood Park, Pa., assignor to Westinghouse Electric & Manufacturing Company. Electrical protective device. 1,466,260; Aug. 28.
Wertz, E. S. (See Collver, Harold E., assignor.)
West, James M., Raleigh, N. C. Differential gearing. 1,466,320; Aug. 28.
Western Electric Company. (See Colpitts, Edwin H., assignor.)
Western Electric Company. (See Harlow, John B., assignor.)
Western Electric Company. (See Hearn, John F., assignor.)
Western Electric Company. (See Keckler, Charles W., assignor.)
Western Electric Company. (See Kerr, Mark B., assignor.)
Western Electric Company. (See Williams, Samuel B., jr., assignor.)
Western Union Telegraph Company. (See Houghtaling, Walter A., assignor.)
Western Wheeled Scraper Company. (See Rhodes, Jay B., assignor.)
Westinghouse Electric & Manufacturing Company. (See Alben, P. L., and Houston, assignors.)
Westinghouse Electric & Manufacturing Company. (See Baxter, Harold G., assignor.)
Westinghouse Electric and Manufacturing Company. (See Conrad, F., and Kinney, assignors.)
Westinghouse Electric & Manufacturing Co. (See Ehrhart, Raymond, assignor.)
Westinghouse Electric & Manufacturing Company. (See Fortescue, Charles L., assignor.)
Westinghouse Electric & Manufacturing Company. (See Harvey, Albert L., assignor.)
Westinghouse Electric & Manufacturing Company. (See Hellmund, Rudolf E., assignor.)
Westinghouse Electric & Manufacturing Company. (See James, Henry D., assignor.)
Westinghouse Electric & Manufacturing Company. (See Kinney, J. Stanley, assignor.)
Westinghouse Electric & Manufacturing Company. (See Skinner, Merrill E., assignor.)
Westinghouse Electric & Manufacturing Company. (See Tailey, Randal E., assignor.)
Westinghouse Electric & Manufacturing Company. (See Tirrill, Allen A., assignor.)
Westinghouse Electric & Manufacturing Company. (See Wensley, Roy J., assignor.)
Westinghouse Lamp Company. (See Rentschler, Harvey C., assignor.)
Wharton, William, Jr., & Company. (See Angerer, Victor, assignor.)
Wharton, William, Jr., & Company. (See Psilander, Charles A., assignor.)
Wheeler, De Van, Roca, Nebr. Extension grate for thrashing machines. 1,466,218; Aug. 28.
Wheeler, Frank T., assignor to The Trumbull Electric Manufacturing Co., Plainville, Conn. Electric switch. 1,466,349; Aug. 28.
Wheeler, John, Chicago, Ill. Wheel-hub construction. 1,465,958; Aug. 28.
Whitaker, Omar B., assignor to The Sperry Gyroscope Company, Brooklyn, N. Y. Wind-velocity and ground-speed indicator. 1,466,416; Aug. 28.
Whitcomb, James, Grand Island, Nebr., assignor of one-sixteenth to H. A. Hudson, one-sixteenth to R. Milo Hudson, one-sixteenth to J. H. Hughes, one-sixteenth to O. W. Hart, one-sixteenth to H. C. Bryner, Kewanee, Ill., one-eighth to T. Upton, Anaconda, Mont., and one-sixteenth to H. H. Bobenhouse, and two-eighths to V. A. Quadar, Denver, Colo. Gas engine for airplanes. 1,466,321; Aug. 28.
White, Frank M., et al. (See Brown, Henry A., assignor.)
White, Frank M., Huntington, W. Va., assignor to P. Lorillard Company. Feeder for cigar machines. 1,466,322; Aug. 26.
White, Frank M., Huntington, W. Va., assignor to P. Lorillard Company. Cigar machine. 1,466,323; Aug. 28.
White Metal Manufacturing Company. (See Notheis, Magnus, assignor.)
Whitehead, Will G., Gibson City, Ill. Cleaning device for corn. 1,466,496; Aug. 28.
Whiting Corporation. (See Gregg, Alfred W., assignor.)
Whittemore, James, Detroit, Mich., assignor to The Libbey-Owens Sheet Glass Company, Toledo, Ohio. Method and apparatus for drawing and flattening sheet glass. 1,466,460; Aug. 28.
Wicklzer, Jennie B., et al. (See Harris, Romaine R., assignor.)
Wilkinson, James, Lynn, Mass., assignor to General Electric Company. Elastic fluid turbine. 1,466,324; Aug. 28.
Williams, Samuel B., jr., Brooklyn, assignor to Western Electric Company, Incorporated, New York, N. Y. Telephone exchange system. 1,466,155; Aug. 28.

Williams, Thomas H., assignor to The Adamson Machine Company, Akron, Ohio. Rimming press. 1,466,079; Aug. 28.
Willmott, Herbert J., assignor to Peter Gray & Sons Inc., Cambridge, Mass. Cooler for liquids. 1,466,388; Aug. 28.
Wilson, Emery J., Cleveland, Ohio. Rotary speed indicator. 1,466,156; Aug. 28.
Winans, Earl W., Detroit, Mich. Antifreezing plug. 1,466,219; Aug. 28.
Windes, Thomas G., jr. (See Ladd, C., and Windes.)
Winkler, Joseph S., Chanute, Kans. Wrist pin. 1,466,325; Aug. 28.
Winter, William A., New York, N. Y. Fur-treating machine. 1,465,959; Aug. 28.
Winter, William A., New York, N. Y. Fur-treating machine. 1,465,960; Aug. 28.
Wire, Wesley M., Newberg, Oreg. Egg carrier. 1,466,326; Aug. 28.
Wittler, Joseph F., Chatsworth, Ill. Granary and elevator construction. 1,466,010; Aug. 28.
Wiwi, Thomas R., assignor of forty-five per cent to W. H. Dean, Chicago, Ill. Advertising device. 1,466,327; Aug. 28.
Wolfe, William S., Akron, Ohio. Tire. Des. 62,972; Aug. 28.
Wolfson, William I. (See James, T., jr., and Wolfson.)
Wood, Albert, Dearborn, assignor to Henry Ford Hospital, Detroit, Mich. Indirect-lighting fixture. 1,466,497; Aug. 28.
Wright, Clifton C. (See Brockett, F. G., and Wright.)
Wright, Parvin. (See Gerrard, A. J., and Wright.)
Yale & Towne Manufacturing Company, The. (See Ledin, Charles, assignor.)
Youmans, William R., assignor to The Ironton Engine Company, Ironton, Ohio. Electric locomotive. 1,466,011; Aug. 28.
Young, Jackson B., Oakland, Calif. Automobile signal device. 1,466,220; Aug. 28.
Young, L. A., Industries, Inc. (See Reidenbach, Herman O., assignor.)
Zimmer, Albert E. (See Campbell, A., and Zimmer.)

ALPHABETICAL LIST OF INVENTIONS

FOR WHICH

PATENTS WERE ISSUED ON THE 28TH DAY OF AUGUST, 1923.

NOTE.—Arranged in accordance with the first significant character or word of the name (in accordance with city and telephone directory practice). **Includes patents, reissues, and designs.**

Accelerator. P. E. Vineyard. 1,466,608; Aug. 28.
Adding machine. H. Landsiedel. 1,466,306; Aug. 28.
Adjustable screen. H. P. Rava. 1,466,060; Aug. 28.
Advertising device. A. S. Aloe. 1,466,107; Aug. 28.
Advertising device. O. R. Gillogly. 1,466,222; Aug. 28.
Advertising device. T. R. Wiwi. 1,466,327; Aug. 28.
Advertising device, Commodity. C. S. Clark. 1,466,422; Aug. 28.
Aeroplane, Gun-equipped. S. Motta. 1,466,143; Aug. 28.
Aeronautical motor. C. B. Kirkham. 1,465,989; Aug. 28.
Aircraft, Propulsion of. G. Fornaca. 1,466,394; Aug. 28.
Air-gauged filler vent. E. B. Rose. 1,466,483; Aug. 28.
Air heater. R. L. Manier. 1,466,182; Aug. 28.
Air washer and filter. H. Ford. 1,465,500; Aug. 28.
Aircraft, submarine, torpedo, and other totally-immersed craft or structure. A. P. Thurston. 1,466,551; Aug. 28.
Airplanes, Gas engine for. J. Whitcomb. 1,466,321; Aug. 28.
Alarm switch. P. A. Friel. 1,466,431; Aug. 28.
Alkali and chemicals, Manufacture of. K. P. McElroy. 1,466,628; Aug. 28.
Alkali-metal salts from brines, Recovering. C. E. Dolbear. 1,466,353; Aug. 28.
Ammonia and salts of certain carbon acids, Production of. K. P. McElroy. 1,466,626; Aug. 28.
Annunciator or indicator system. S. Katz. 1,466,448; Aug. 28.
Antiskid device. J. F. Baxa. 1,466,082; Aug. 28.
Antiskid device. C. J. Campbell and D. O'Neill. 1,466,270; Aug. 28.
Arbor, Winding. C. D. Dallas. 1,466,121; Aug. 28.
Arc projectors, Means for maintaining the focus of. P. R. Bassett. 1,466,419; Aug. 28.
Arch support. E. S. Cleveland and G. G. Leffingwell. 1,465,970; Aug. 28.
Arch support. W. N. Sechler. 1,466,384; Aug. 28.
Arch support. D. P. Smith. 1,466,386; Aug. 28.
Augers, Bit attachment for. P. McLaughlin. 1,466,378; Aug. 28.
Automobile bumper. J. G. Schmidt. 1,465,990; Aug. 28.
Automobile radiator assembly rack. G. H. Lober. 1,466,404; Aug. 28.
Automobile signal device. J. B. Young. 1,466,220; Aug. 28.
Automobile sleigh. A. J. Pidgeon. 1,466,546; Aug. 28.
Automobiles, Device for signaling changes of driving in. E. Hebel. 1,466,044; Aug. 28.
Automobiles, Drawbar for towing. A. F. Knoop. 1,466,049; Aug. 28.
Automobiles, Illuminated license number for. C. J. Hemmert. 1,466,017; Aug. 28.
Autos, Reflector for. R. W. Smith. 1,466,567; Aug. 28.
Awning and shade, Combined. G. F. Salisbury. 1,466,600; Aug. 28.
Baggage rates, Table for computing excess. E. W. Brower. 1,466,444; Aug. 28.
Bait, Artificial. G. E. Fenner. 1,466,016; Aug. 28.
Bait, Artificial. P. E. Petersen. 1,466,545; Aug. 28.
Baking pan. H. J. Hasenbein. 1,466,095; Aug. 28.
Bale ties, Machines for cutting and swaging. A. G. Gerrard and P. Wright. 1,466,334; Aug. 28.
Ball, Rubber. J. W. Weaver. 1,466,609; Aug. 28.
Banks, Counter guard for. F. Wattells. 1,466,217; Aug. 28.
Bank tellers, Safety appliance for. A. Ribaric. 1,466,513; Aug. 28.
Basket, Waste. O. C. S. Olsen. Des. 62,959; Aug. 28.
Bathtub stand, Portable. E. K. Johnstone. 1,466,047; Aug 28.
Bearings of rotatable members, Lubricating mechanism for. C. E. Needham. 1,466,455; Aug. 28.
Beater. P. Hazzard. 1,465,940; Aug. 28.
Bed. L. S. Hackney. 1,466,373; Aug. 28.
Bed, Reversible. R. L. Purdon. 1,466,599; Aug. 28.
Bias-flap stock cutting and applying machine. J. E. Perrault. 1,466,101; Aug. 28.
Binder, Loose leaf. J. Schade. 1,466,313; Aug. 28.
Bird and animal trap. L. H. Beauchamp. 1,466,520; Aug. 28.
Blade-securing means and making same. R. K. Morcom. 1,466,312; Aug. 28.
Block: *See*—
Ignition-switch block.
Board: *See*—
Fireproof wall board. Mathematical board.
Ironing board.

Boats, Wing-shedding means for flying. J. P. Tarbox. 1,466,634; Aug. 28.
Bobbin-case lock. H. O. Fletcher. 1,466,360; Aug. 28.
Boiler-flue cleaner or scaler. C. A. Vonderheid and H. L. Eddy. 1,466,517; Aug. 28.
Boilers, Water gauge for heating. A. Swaroczky. 1,465,956; Aug. 28.
Boll-weevil catcher. L. L. Allen. 1,466,106; Aug. 28.
Bolt. E. C. Glover. 1,466,223; Aug 28.
Bolts, Dies for forming. B. T. Noble. 1,466,245; Aug. 28.
Bolts, Forming. B. T. Noble. 1,466,244; Aug. 28.
Bookbinding. G. S. Fry. 1,466,618; Aug. 28.
Boot or shoe. W. J. Brigg. 1,466,611; Aug. 28.
Bottle-cap remover, Milk-. S. A. Strzelczyk. 1,466,517; Aug. 28.
Bottle closure. H. Shelmon. 1,466,314; Aug. 28.
Bottle, Nursing. A. L. Mobley. 1,466,311; Aug. 28.
Bottle or similar article. A. J. Sanford. Des. 62,963; Aug. 28.
Bottle-rinsing machine. C. A. Miller. 1,466,141; Aug. 28.
Bottle, Sanitary nursing. W. Richmond. 1,466,190; Aug. 28.
Box: *See*—
Folding box.
Box connector. B. E. Getchell. 1,466,361; Aug. 28.
Brace. R. W. Shaffer. 1,466,487; Aug. 28.
Bracelet. W. Segman. 1,466,566; Aug. 28.
Bracelet-buckle member. A. G. Eklund. Des. 62,939–40; Aug. 28.
Bracelet-buckle member. E. H. Lohrmann. Des. 62,958; Aug. 28.
Bracket-suspension or motor-supporting means. R. A. Weinhardt. 1,466,610; Aug. 28.
Brake: *See*—
Vehicle brake. Wheel brake.
Brake-band lining. R. Reynolds. 1,466,189; Aug. 28.
Brake mechanism. A. H. Peycke. 1,466,478; Aug. 28.
Brake-shoe key. E. Emery. 1,465,975; Aug. 28.
Brassière. I. Panes. 1,466,598; Aug. 28.
Brick press. J. Lamassiaude and F. and C. Rouchaud. 1,466,305; Aug. 28.
Brush, Rotary. R. R. Radinse. 1,466,103; Aug. 28.
Bucket, Split. D. E. Stair. 1,466,200; Aug. 28.
Burner: *See*—
Gas burner. Oil burner.
Hydrocarbon burner.
Burner. S. H. Hopewell. 1,466,588; Aug. 28.
Button. F. N. Ross. 1,465,949; Aug. 28.

Cabinet. W. L. Lillie. Des. 62,956–7; Aug. 28.
Cab-frame structure, Integral. F. L. Alben and H. A. Houston. 1,466,262; Aug. 28.
Cable-end connection. H. C. Gottschalt. 1,466,127; Aug. 28.
Calculating machine. C. A. Sloweck. 1,466,488; Aug. 28.
Calendar, Index reckoner. J. H. Kulow. 1,466,021; Aug. 28.
Camping outfit. O. E. Hans. 1,466,224; Aug. 28.
Can: *See*—
Milk can. Pump oil can.
Candy box. E. P. Kellogg. Des. 62,954; Aug. 28.
Candy depositor. W. S. Nicholson. 1,466,338; Aug. 28.
Candy-making machine. W. B. Laskey. 1,466,509; Aug. 28.
Can opener and stopper, Combined. A. O. Anderson. 1,466,108; Aug. 28.
Cap. C. Koppman. 1,466,475; Aug. 28.
Carbon, Producing. H. E. Sturcke. 1,465,954; Aug. 28.
Carburetor. R. E. L. Janney. 1,466,557; Aug. 28.
Car, Covered dump. C. H. Clark and H. L. Beach. 1,466,469; Aug. 28.
Car, Cycle. A. Strothotte. 1,466,201; Aug. 28.
Car door, Freight-. J. L. Guerrant. 1,465,982; Aug. 28.
Car mounting and car-wheel assembly. E. F. Mans. 1,466,240; Aug. 28.
Car reraller. H. J. Thomas. 1,466,035; Aug. 28.
Car step, Auxiliary. P. Swanson and A. W. Carlson. 1,466,212; Aug. 28.
Car truck, Railway-. A. J. Kelley. 1,466,590; Aug. 28.
Car wheels, Bushing for. E. B. Mead. 1,466,137; Aug. 28.
Cars, Air brake for motor-propelled rail. F. L. Lipcot, C. F. Drumm, jr., and M. C. Frins. 1,466,452; Aug. 28.
Card device, Revolving. C. E. Shaw. 1,466,252; Aug. 28.
Carpet. D. Barkley. Des. 62,933; Aug. 28.
Carrier: *See*—
Egg carrier. Film carrier.
Case: *See*—
Waterproof cigarette case.

Caster socket, Top-bearing. N. C. Johnson. 1,466,531; Aug. 28.
Casting machine, Automatic die-. R. E. Byrd. 1,466,294; Aug. 28.
Casting machines, Oiler for metal-. C. F. Faupel. 1,466,125; Aug. 28.
Castings, Treating manganese-steel. J. H. Hall and M. F. Apgar. 1,466,649; Aug. 28.
Castings, Treatment of manganese-steel. S. Apgar and G. R. Hanks. 1,466,636; Aug. 28.
Cellulose acetate, Making. J. M. Kessler and V. B. Sease. 1,466,401; Aug. 28.
Cellulose, Acetylizing. H. P. Bassett. 1,466,329; Aug. 28.
Chair. W. J. Gillam. 1,465,980; Aug. 28.
Chair irons, Adjusting wheel for. A. D. Pettibone. Des. 62,960; Aug. 28.
Chain, Power-transmission. F. Müller. 1,465,946; Aug. 28.
Chamber, Double-locked secret. P. Glnelewitz. 1,466,362; Aug. 28.
Charge-forming apparatus. J. Good. 1,466,647; Aug. 28.
Chicken roost, Sanitary. A. Shoults. 1,466,197; Aug. 28.
Chime seam and producing same, Reenforced metallic. C. T. Draper. 1,466,643; Aug. 28.
Cigar machine. F. M. White. 1,466,323; Aug. 28.
Cigar machines, Feeder for. F. M. White. 1,466,322; Aug. 28.
Cigars, Ash-receptacle attachment for. J. V. Pizzino. 1,466,512; Aug. 28.
Cigarette carton. C. S. Heffner. 1,466,225; Aug. 28.
Circuit breaker. C. A. Bowlus. 1,466,012; Aug. 28.
Clamp: *See*—
Yarn clamp.
Climometer. A. S. Aegerter. 1,466,261; Aug. 28.
Clip: *See*—
Pencil clip.
Clock, Chime. F. Wehinger. 1,466,008; Aug. 28.
Clock with automatically-lighted lamp, Alarm. O. Lamacchia. 1,466,023; Aug. 28.
Clothes hanger. E. Gadda. 1,466,525; Aug. 28.
Clothesline, Attachment for. E. B. Swindle. 1,466,570; Clutch, Radial-cylinder hydraulic. H. S. Hele-Shaw. 1,466,622; Aug. 28.
Coal, Bar. W. F. McDevitt. 1,466,405; Aug. 28.
Coating appliance. E. Nordell. 1,466,456; Aug. 28.
Coating-machine block adjuster. Z. Ostenberg. 1,466,184; Aug. 28.
Cock, Drain. O. A. Smith and A. J. Weatherhead, jr. 1,465,952; Aug. 28.
Coffee snck and holder, Combined. A. G. Herold. 1,466,165; Aug. 28.
Coffee-urn Pump. J. T. Pedersen. 1,466,458; Aug. 28.
Coil, High-frequency self-induction. E. Binard. 1,466,441; Aug. 28.
Coils, Ventilating system for reactance. M. E. Skinner. 1,466,253; Aug. 28.
Coke and ash, Method and apparatus for separating. P. H. Jung. 1,466,377; Aug. 28.
Coke, Cooling tower for dry cooling of hot. A. Moetteli. 1,466,477; Aug. 28.
Coking, System of. G. W. Traer and C. M. Garland. 1,466,215; Aug. 28.
Comb, Hair-straightener. C. A. Gardner. 1,465,979; Aug. 28.
Combustible mixture, Apparatus for producing and utilizing. S. Trood. 1,466,006; Aug. 28.
Composing machines, Making character carriers for. P. L. Hill. 1,466,437; Aug. 28.
Compressors, blowers, or the like, Regulating means for. R. H. Collingham. 1,466,295; Aug. 28.
Concrete railroad tie, Reenforced-. W. C. Temple. 1,466,003; Aug. 28.
Condenser and air-pump apparatus. R. N. Ebrhart. 1,466,042; Aug. 28.
Confectionery-coating machine. C. J. Oyster. 1,466,381; Aug. 28.
Container. A. H. Trageser and L. Hassinger. 1,466,606; Aug. 28.
Container and closure therefor. R. R. Evans. 1,466,583; Aug. 28.
Control system. A. L. Harvey. 1,466,285; Aug. 28.
Control system. H. D. James. 1,466,288; Aug. 28.
Control, System of. R. E. Hellmund. 1,466,287; Aug. 28.
Conveying heavy goods, Balancing carriage for. H. Folland and J. O. Powell. 1,466,524; Aug. 28.
Cooking and heating apparatus, Electric. R. E. Pearson. 1,465,995; Aug. 28.
Core. Expansible. P. R. E. Lehmann. 1,466,366; Aug. 28.
Core, Tubular folding and collapsible. A. J. Guiley. 1,466,527; Aug. 28.
Corn, Cleaning device for. W. G. Whitehead. 1,466,496; Aug. 28.
Corn, Showcase machine for popping. C. W. Mabey. 1,466,595; Aug. 28.
Cotton-picking machine. W. B. Edrington. 1,465,974; Aug. 28.
Coupling: *See*—
Rope coupling.
Cow-tail holder. A. Johnson. 1,466,229; Aug. 28.
Cracking furnace. F. Pfeifer. 1,466,511; Aug. 28.
Crank. J. L. Sands. 1,466,148; Aug. 28.
Crank shaft and balancing the same. A. P. Brush. 1,466,446; Aug. 28.

Cultivator, Wheeled. A. L. Pollard and E. Baseman. 1,466,340; Aug. 28.
Cup: *See*—
Grease cup. Salt-cake cup.
Cut-out, Primary. N. J. Conrad. 1,466,423; Aug. 28.
Cutter: *See*—
Hair cutter. Vegetable cutter.
Cutter head, Shortened conical. E. A. McKoy and G. D. Moore. 1,466,538; Aug. 28.
Cyanids, Making. K. P. McElroy. 1,466,627; Aug. 28.
Dauber for liquid blacking and the like. C. A. Haass. 1,466,566; Aug. 28.
Dental use, Device for. F. J. Hofschneider. 1,466,299; Aug. 28.
Denture. I. G. Nichols. 1,466,543; Aug. 28.
Derrick. C. R. B. Claflin. 1,465,969; Aug. 28.
Desk and seat structure. G. H. Hamilton and M. Nuberg. 1,465,939; Aug. 28.
Detecting system. J. B. Harlow. 1,466,284; Aug. 28.
Detector tube. H. C. Rentschler. 1,465,998; Aug. 28.
Diaphragm, Acoustical. W. H. Drummond. 1,466,427; Aug. 28.
Diaphragm structure. S. G. Neal. 1,466,242–3; Aug. 28.
Die-casting machine. O. L. W. Swenson. 1,466,490; Aug. 28.
Die-fitting apparatus. W. A. Valentine. 1,466,259; Aug. 28.
Direction indicator. S. L. Trueblood. 1,466,607; Aug. 28.
Dish cover, Cooking-. W. T. Hedges. Des. 62,948–50; Aug. 28.
Dish drainer. R. M. Smythe. 1,466,514; Aug. 28.
Display stand. W. A. J. Lowe. 1,466,536; Aug. 28.
Display stand for ribbons and the like. J. G. Johnston, jr. Des. 62,953; Aug. 28.
Distillation apparatus. W. A. Peters, jr. 1,466,411; Aug. 28.
Distilling apparatus, Continuous. J. P. Foster and A. F. Misener. 1,466,221; Aug. 28.
Divided mold. E. J. Kukac. 1,466,129; Aug. 28.
Doll. T. Harwick. Des. 62,947; Aug. 28.
Door, Metal. E. W. Peterson. 1,466,550–1; Aug. 28.
Drapery holder, Sliding. J. J. Gulder. 1,465,938; Aug. 28.
Drill: *See*—
Spindle drill.
Drill-press control. G. E. Hallenbeck. 1,466,128; Aug. 28.
Drill-rod tool. H. B. Weathersby and J. F. Bozeman. 1,466,319; Aug. 28.
Drying apparatus, Radiator for. C. Rees and C. F. Hine. 1,466,383; Aug. 28.
Drying medium, Apparatus for supplying a. C. E. Bradley and J. G. Coffin. 1,466,443; Aug. 28.
Dust collector. H. P. Holden. 1,466,167; Aug. 28.
Dustpan. H. Mack. 1,466,454; Aug. 28.
Egg carrier. W. M. Wire. 1,466,326; Aug. 28.
Electric cables, Means for and method of reducing capacity-current losses in. A. M. Taylor. 1,466,069; Aug. 28.
Electric currents, System of generating and distributing. L. J. Le Pontois. 1,466,307; Aug. 28.
Electric currents, Rectifier for. M. Morrison. 1,466,541; Aug. 28.
Electric currents, System and apparatus for generating and distributing. C. H. Tower. 1,466,635; Aug. 28.
Electric-furnace apparatus and operating the same. J. A. Seede. 1,466,603; Aug. 28.
Electric gauge. C. S. Kellum. 1,466,019; Aug. 28.
Electric heater. J. A. Berninghaus. 1,466,111; Aug. 28.
Electric machine, Dynamo-. F. H. Clough. 1,466,654; Aug. 28.
Electric machine, Dynamo-. P. A. Koch. 1,466,304; Aug. 28.
Electric motor, Self-cooled. R. A. Ilg. 1,466,364; Aug. 28.
Electric snap switch. R. H. Bentley. 1,466,267; Aug. 28.
Electric switch. W. H. Harrington. 1,466,507; Aug. 28.
Electric switch. S. H. Todd. 1,466,071; Aug. 28.
Electric switch. F. T. Wheeler. 1,466,349; Aug. 28.
Electrical protective device. R. J. Wensley. 1,466,260; Aug. 28.
Electrical regulator. A. A. Tirrill. 1,466,258; Aug. 28.
Electrical snap switch. H. Gross. 1,466,280; Aug. 28.
Electrical-switch inclosure or cabinet. B. D. Horton. 1,465,985; Aug. 28.
Electrode handler. A. W. Gregg. 1,466,503; Aug. 28.
Electrode steam boiler. J. Buchli. 1,466,013; Aug. 28.
Electromagnetic switch. W. W. Brown. 1,466,268; Aug. 28.
Electron-tube apparatus. H. C. Rentschler. 1,466,997; Aug. 28.
Emery-wheel-dressing tool. A. H. Finlayson. 1,466,393; Aug. 28.
Engine: *See*—
Internal-combustion engine.
Engine governor. C. G. Hartley. 1,466,164; Aug. 28.
Engines and forming the same, Hot pot for explosive. H. F. Shepherd. 1,466,346; Aug. 28.
Engines, Apparatus for controlling the ignition point in internal-combustion. E. Dodson. 1,466,470; Aug. 28.
Engines, Electrically-heated vaporizer for internal-combustion. F. J. and J. S. Reed. 1,466,248; Aug. 28.
Engines, Feed pump for combustion. F. Egersdörfer. 1,466,092; Aug. 28.
Engines, Valve gear for internal-combustion. P. W. Murphy. 1,466,144; Aug. 28.

Envelope. J. W. Bunker and A. M. Boney. 1,466,420; Aug. 28.
Envelope-delivery device. J. C. Gunderson. 1,466,161; Aug. 28.
Etching machine. A. Holmström. 1,466,096; Aug. 28.
Evaporation, Concentrating. G. Engel, sr. 1,466,357; Aug. 82.
Excavator. C. E. Stahl and H. J. Bentson. 1,466,568; Aug. 28.
Excavator and loader. T. Compton. 1,465,971; Aug. 28.
Exercising device. C. G. Purdy. 1,466,559; Aug. 28.
Explosive. S. G. Norton. 1,466,147; Aug. 28.
Extractor: *See*—
Weed extractor.
Facing tool. W. C. Shumaker. 1,466,385; Aug. 28.
Fan. W. Brown. 1,465,928; Aug. 28.
Fan. E. N. Fales. 1,466,472; Aug. 28.
Fastening. J. P. Morse. 1,466,597; Aug. 28.
Fastening device. J. V. Washburne. 1,466,347; Aug. 28.
Feeding mechanism. W. M. Hepburn. 1,466,018; Aug. 28.
Feeding mechanism. A. W. Peters. 1,466,029; Aug. 28.
Fender. E. G. and G. W. Butsch. 1,466,115; Aug. 28.
Fertilizer distributor. T. F. Holadia. 1,466,398; Aug. 28.
File-holder accessory, Vertical. H. R. Livingston. 1,466,308; Aug. 28.
Film carrier. L. N. Plante. 1,466,339; Aug. 28.
Film-joining machine. E. L. Van Pelt. 1,466,076; Aug. 28.
Film reel. E. J. Denison. 1,466,275; Aug. 28.
Films, Combination mount and container for transparent. B. L. Spitzer. 1,466,255; Aug. 28.
Filaments, threads, and films, Manufacture of artificial. C. W. Palmer and W. A. Dickie. 1,465,994; Aug. 28.
Finger-print impressions, Apparatus for taking and preserving. P. Ryan. 1,466,052; Aug. 28.
Finger ring. C. A. Dietz and H. Schuman. Des. 62,938; Aug. 28.
Firearms, Sight for. J. P. Genard. 1,466,297; Aug. 28.
Fireproof wall board. H. A. Parkyn. 1,466,246; Aug. 28.
Fish lure, Artificial. L. Johnson. 1,466,231; Aug. 28.
Fishing tackle. L. T. Guy. 1,466,020; Aug. 28.
Flash light. E. R. Barany. 1,466,350; Aug. 28.
Flexible joint. A. S. Macdonald. 1,466,238; Aug. 28.
Float. J. I. Sanders. 1,466,601; Aug. 28.
Float device. H. G. Wallmann. 1,466,494; Aug. 28.
Floor construction. E. F. Kelly. 1,466,591; Aug. 28.
Floor-cover composition. T. Naemura. 1,466,241; Aug. 28.
Floor mop. M. V. Hultqvist. 1,466,169; Aug. 28.
Flue blowing and testing device. C. A. Kothe. 1,466,459; Aug. 28.
Fluids, Method of and apparatus for treating. H. E. Collyer. 1,466,579; Aug. 28.
Fluid pressure mechanism, Governor for. R., R. W., and F. N. Hudson. 1,466,399; Aug. 28.
Fluid under pressure, Conduit member for conducting. C. A. Claflin. 1,466,119; Aug. 28.
Folding box. G. Sardou. 1,466,344; Aug. 28.
Folding table. F. W. Bockstege. Des. 62,935; Aug. 28.
Freight handling system. B. F. Fitch. 1,466,296; Aug. 28.
Fruit seeder. J. C. Baumer. 1,466,080; Aug. 28.
Fruit seeders, Making needles for. J. C. Baumer. 1,466,081; Aug. 28.
Fuel-oil generation, Mechanism for. W. F. Resebke. 1,466,250; Aug. 28.
Furnace: *See*—
Cracking furnace. Stoker furnace.
Ore-roasting furnace.
Furnace structure. G. Groh. 1,466,160; Aug. 28.
Furniture. C. F. Mellink. 1,466,138; Aug. 28.
Furniture, Article of. V. F. Hrachovina. 1,466,376; Aug. 28.
Fur-treating machine. W. A. Winter. 1,465,959–60; Aug. 28.
Game apparatus. F. Miller and H. L. Noe. 1,466,596; Aug. 28.
Garment supporter. V. R. Kozloff. 1,466,020; Aug. 28.
Garter trimming. R. A. Moore. 1,465,992; Aug. 28.
Gas, Appliance for producing and burning alcohol. C. E. Adamson. 1,466,417; Aug. 28.
Gas burner. J. H. Beeby. 1,466,291; Aug. 28.
Gas burner. E. G. Germer and E. G. Germer, jr. 1,466,014; Aug. 28.
Gas generator, Acetylene-. R. W. Miller. 1,466,540; Aug. 28.
Gas making. E. L. Hall. 1,466,648; Aug. 28.
Gas washers, Overflow drain and water seal for. K. Weinel. 1,466,348; Aug. 28.
Gases, Method of and apparatus for mixing and proportioning. W. B. Eddison. 1,466,356; Aug. 28.
Gear. J. S. Kinney. 1,466,236; Aug. 28.
Gear-shifting mechanism. Control device for. K. R. Manville. 1,466,453; Aug. 28.
Gear-shifting mechanism, Selector for. C. W. Shockley. 1,466,067; Aug. 28.
Gearing, Differential. J. M. West. 1,466,320; Aug. 28.
Gearings, Protecting device for. F. Kee. 1,466,449; Aug. 28.
Generator: *See*—
Gas generator.
Glass, Apparatus for making wire. N. A. Liston. 1,466,025; Aug. 28.
Glass, Apparatus for operating on molten. E. H. Lorenz. 1,466,367; Aug. 28.
Glass drawing and delivering mechanism, Sheet-. I. B. Busard. 1,466,421; Aug. 28.
Glass drawing mechanism, Sheet-. M. J. Owens. 1,466,457; Aug. 28.
Glass, Method and apparatus for drawing and flattening sheet. J. Whittemore. 1,466,460; Aug. 28.
Glass rolling and pressing machine. R. F. Hancock. 1,466,621; Aug. 28.
Gauge: *See*—
Electric gauge.
Gauge. M. B. Field. 1,466,359; Aug. 28.
Gauge. J. Graham. 1,466,043; Aug. 28.
Grader. C. A. Hartley and J. R. Mero. 1,466,015; Aug. 28.
Gramophone tone arm. S. Tootill. 1,466,493; Aug. 28.
Granary and elevator construction. J. F. Wittler. 1,466,010; Aug. 28.
Grave marker. P. C. Biersach. 1,466,112; Aug. 28.
Grease cup. A. P. Lieder and J. F. Smith. 1,466,024; Aug. 28.
Grinder. S. Vengrin and J. M. Johnson. 1,466,216; Aug. 28.
Grinding mill. W. A. Gibson and C. E. Needham. 1,466,433; Aug. 28.
Hair curler. O. L. Smith. 1,466,254; Aug. 28.
Hair cutter, Motor-spring. A. J. Czarnecki. 1,466,613; Aug. 28.
Hair-drying apparatus. E. M. Erb. 1,466,093; Aug. 28.
Hand, Artificial. C. Dedic. 1,465,933; Aug. 28.
Handles, Receptacle for holding. W. E. Keene. 1,466,048; Aug. 28.
Hanger: *See*—
Clothes hanger. Picture-frame hanger.
Hardness-testing device. R. Baumann. 1,465,927; Aug. 28.
Harrow, Adjustable. C. G. A. Johnerson. 1,466,172; Aug. 28.
Harrow, Disk. H. G. Ringle and J. M. Stewart. 1,466,063; Aug. 28.
Harvester. E. C. Myers. 1,466,098; Aug. 28.
Hat brims and the like, Machine for stitching. M. Schloss. 1,466,486; Aug. 28.
Headlight lens. M. A. Erickson. 1,466,358; Aug. 28.
Headlights, Antiglare device for automobile. H. R. Drury. 1,466,354; Aug. 28.
Heater: *See*—
Air heater. Water heater.
Electric heater.
Heater or vaporizer. I. E. Aske. 1,466,389; Aug. 28.
Heating apparatus. L. Butler. 1,466,269; Aug. 28.
Hemmers, Attachment for. G. J. Axt. 1,466,574; Aug. 28.
High-frequency signalling system. E. F. W. Alexanderson. 1,466,263; Aug. 28.
Hinge, Ball-bearing. N. B. Hurd. 1,466,228; Aug. 28.
Hinge for bookcases, etc. J. Buresak. 1,466,039; Aug. 28.
Hoist especially suitable for use on board ship, Ammunition. H. W. Lee. 1,465,990; Aug. 28.
Hoisting machine. L. M. Jordan. 1,466,289; Aug. 28.
Hook: *See*—
Tire-chain hook.
Hydraulic apparatus, Automatic. P. Samain. 1,466,412; Aug. 28.
Hydrocarbon burner. C. H. Pidgeon. 1,466,186; Aug. 28.
Hydrogen, Production of. A. R. Griggs. 1,466,619; Aug. 28.
Ignition system. H. W. Eichbaum. 1,466,209; Aug. 28.
Ignition system. J. H. Hunt. 1,466,529; Aug. 28.
Ignition-switch block. S. L. Gadbury. 1,466,279; Aug. 28.
Index, Rotatable. J. H. Rand. 1,466,059; Aug. 28.
Indicating device. E. F. Potter. 1,466,479; Aug. 28.
Indicator: *See*—
Direction indicator. Radiator indicator.
Luminous indicator. Speed indicator.
Internal-combustion engine. C. F. Buschke. 1,466,085; Aug. 28.
Internal-combustion engine. W. G. Gernandt. 1,466,646; Aug. 28.
Iron: *See*—
Waffle iron.
Iron smelting. R. Franchot and K. P. McElroy. 1,466,644; Aug. 28.
Ironing board. C. Danielson. 1,466,390; Aug. 28.
Ironing machine. C. E. Hamilton. 1,466,363; Aug. 28.
Jack: *See*—
Trip jack.
Jack. J. H. Burkholder. 1,466,447; Aug. 28.
Joint: *See*—
Flexible joint.
Journal boxes, Wedge-adjusting device for. F. R. Harvey. 1,466,016; Aug. 28.
Key guard. C. F. Fowler. 1,466,395; Aug. 28.
Key ring. L. A. Walters. 1,466,572; Aug. 28.
Kettle, Melting. C. S. Babb. 1,466,637; Aug. 28.
Kindling compound. A. L. Raven. 1,466,480; Aug. 28.
Kiln, Reversible circulation internal fan. R. Thelen. 1,466,518; Aug. 28.
Knitting machines, Tension device for. W. B. Dugan. 1,465,934; Aug. 28.
Knob lock. J. Montgomery. 1,466,369; Aug. 28.
Lace-locking means for articles of personal wear. E. J. Triay, jr. 1,466,075; Aug. 28.

Lacing device. L. E. Washburn. 1,466,078; Aug. 28.
Lamp and mirror, Signal. H. G. Schiller. 1,465,950; Aug. 28.
Lamp casing. C. A. B. Halvorson, jr. 1,466,282; Aug. 28.
Lamp holder for miners' caps. E. Israel. 1,466,300; Aug. 28.
Lamp, Multicolor-light-emitting. C. Dürrigl. 1,466,428; Aug. 28.
Lamp, Parking. M. A. Auflero. Des. 62,932; Aug. 28.
Lamp perfumer. A. J. Flauder. Des. 62,943–4; Aug. 28.
Lamp reflector. N. Rosen. 1,466,484; Aug. 28.
Lamp shades, Manufacturing filigree metal. A. E. Shepherd and E. G. Lovering. 1,466,033; Aug. 28.
Lamp, Vehicle. C. B. Godley. Des. 62,945; Aug. 28.
Lantern. T. E. Dahl. Des. 62,937; Aug. 28.
Latch, Door. W. S. Hamm and J. A. Giese. 1,466,162; Aug. 28.
Lathe. J. Burt. 1,466,467; Aug. 28.
Lathe tool. M. M. Balsam. 1,466,265; Aug. 28.
Lead ring. F. Lux. 1,466,134; Aug. 28.
Leather-boarding machine. D. E. Harding. 1,466,283; Aug. 28.
License plates, Frame for supporting vehicle. C. Latta. 1,465,944; Aug. 28.
Light: *See*—
Flash light.
Lighting and apparatus therefor, System of street. C. G. Beckwith and W. E. Davis. 1,466,110; Aug. 28.
Lighting fixture, Indirect-. A. Wood. 1,466,497; Aug. 28.
Limb, Artificial. R. R. Harris. 1,466,163; Aug. 28.
Line holder. W. O. Rutherford. 1,466,563; Aug. 28.
Liquid dispensing and measuring device. E. A. Rix. 1,466,482; Aug. 28.
Liquid-dispensing apparatus. E. Crouse. 1,466,273; Aug. 28.
Liquid ether, Dehydrating. J. A. S. Hammond. 1,466,436; Aug. 28.
Liquid-feeding device. W. Sparks. 1,466,387; Aug. 28.
Liquid purifier. J. E. Caps. 1,465,968; Aug. 28.
Liquids, Apparatus for treating. H. E. Stuncke. 1,465,955; Aug. 28.
Liquids, Cooler for. H. J. Willmott. 1,466,388; Aug. 28.
Liquids, Dehydrating organic. J. A. S. Hammond. 1,466,435; Aug. 28.
Listers, Seed-covering attachment for. C. C. Hermance and M. Rein. 1,466,585; Aug. 28.
Lock: *See*—
Bobbin-case lock. Mortise lock.
Knob lock. Switch lock.
Lock. C. M. McCarthy. 1,466,537; Aug. 28.
Lock. H. F. Starrett. 1,466,489; Aug. 28.
Locks, Shearing device for auxiliary. W. C. Dillon. 1,466,207; Aug. 28.
Locomotive, Electric. W. R. Younans. 1,466,011; Aug. 28.
Locomotives, Automatic blower for. F. A. Gale. 1,466,371; Aug. 28.
Looms, Battery feed for automatic. E. V. Mosley. 1,466,542; Aug. 28.
Lubricating compound. H. Kurata. 1,466,022; Aug. 28.
Lubricating system. A. P. Brush. 1,466,445; Aug. 28.
Lubricating system, Automatic. J. H. Rooney. 1,466,251; Aug. 28.
Lumber-transporting device. L. Nordström. 1,466,547; Aug. 28.
Luminous indicator. J. F. Hearn. 1,466,286; Aug. 28.
Manicure implement. J. O. Landis. 1,466,438; Aug. 28.
Manifold cover. E. A. Conroy. 1,466,089; Aug. 28.
Mathematical board. A. A. Gamble. 1,466,501; Aug. 28.
Metal, Annealing. R. E. Talley. 1,466,257; Aug. 28.
Metal foil with paraffin and the product thereof, Coating. H. and J. Nusbaum. 1,466,380; Aug. 28.
Metal, Machine for swaging or reducing. F. L. Jouve. 1,466,302; Aug. 28.
Metal plates in the line of their width, Press for offsetting. R. S. Smith, H. Miller, and F. Orton. 1,466,104; Aug. 28.
Metal turnings and borings, Machine for granulating. E. K. Hill. 1,465,941; Aug. 28.
Metal wheel, Hollow. J. A. Charter. 1,466,468; Aug. 28.
Milk can. A. F. Stoelting. 1,466,515; Aug. 28.
Mill: *See*—
Grinding mill. Rolling mill.
Mills, Scalper sieve for. E. F. Lake. 1,466,508; Aug. 28.
Mixing apparatus. F. A. Browne. 1,466,638–9; Aug. 28.
Mold: *See*—
Divided mold.
Mold. T. Coleman, jr. 1,466,640; Aug. 28.
Molding. E. J. Lowry. 1,466,309; Aug. 28.
Money-paying machine. W. H. Mann. 1,466,239; Aug. 28.
Mop. M. J. Kroll. 1,466,052; Aug. 28.
Mortise lock. E. Hoffman. 1,466,298; Aug. 28.
Motor: *See*—
Aeronautical motor. Electric motor.
Motors, Automatic vapor feed for hydrocarbon. I. Cowles. 1,466,425; Aug. 28.
Mousetrap. C. J. Proctor. 1,466,102; Aug. 28.
Mouth-cleansing apparatus. R. L. Hatcher and H. A. Parr. 1,466,474; Aug. 28.
Movers, Speed-controlling apparatus for priming. J. G. Aceves. 1,466,036; Aug. 28.
Muffler. W. H. Bands. 1,466,037; Aug. 28.
Mug, Shaving. E. Ciechomski. 1,466,040; Aug. 28.
Necktie rack. F. W. Samuel. 1,466,564; Aug. 28.
Nitric oxide, Obtaining. T. E. Springmann. 1,466,604; Aug. 28.
Nitrogen fixation. K. P. McElroy. 1,466,624; Aug. 28.
Nitrogen-fixing process and apparatus. K. P. McElroy. 1,466,625; Aug. 28.
Nut, Sheet-metal. H. P. Kraft. 1,466,176; Aug. 28.
Oil burner. G. W. Coen. 1,466,088; Aug. 28.
Oil cakes, Mat or cloth for. K. C. Barton. 1,466,109; Aug. 28.
Ore-roasting furnace. R. D. Pike. 1,466,382; Aug. 28.
Oven, Baking. M. Feder. 1,466,473; Aug. 28.
Oven door and the like, Coke-. A. Roberts. 1,466,064; Aug. 28.
Packing. J. T. Crane. 1,466,641; Aug. 28.
Packing machine. A. Johnson. 1,466,045; Aug. 28.
Packing, Making piston-rod. G. Christenson. 1,466,086; Aug. 28.
Packing ring and making same, composite piston. G. Christenson. 1,466,087; Aug. 28.
Paper-making machine. C. C. Clutch. 1,466,120; Aug. 28.
Pearls, Manufacture of artificial. L. Bonnet. 1,466,575; Aug. 28.
Pencil-clip device. W. H. Burnett. 1,466,203; Aug. 28.
Pencil clip, Mechanical. J. C. Wahl. 1,465,957; Aug. 28.
Pencil holder. H. E. Mathews. 1,466,057; Aug. 28.
Percussive tool. H. H. Mercer. 1,466,066; Aug. 28.
Petroleum emulsions, Rotating electrode closed treater for. H. C. Eddy. 1,466,208; Aug. 28.
Phase balancer. C. L. Fortescue. 1,466,277; Aug. 28.
Photographic films and the like, Spool for. C. E. Byrne and J. S. Murphy. 1,466,157; Aug. 28.
Photographic negatives, Device employed in finishing and retouching. J. H. Brubaker. 1,466,038; Aug. 28.
Photographic transfer process. F. W. Kent. 1,466,532; Aug. 28.
Picture-frame hanger. D. Renesok. 1,466,561; Aug. 28.
Pin: *See*—
Safety pin. Wrist pin.
Pineapple slicer. L. Hirsch. 1,466,337; Aug. 28.
Pipe: *See*—
Water pipe.
Pipe-anchoring means. C. A. Bell. 1,466,292; Aug. 28.
Pipe conduit, Water-tight. J. W. Latimer. 1,466,054; Aug. 28.
Pipe-end-finishing tool. H. Morrison. 1,466,409; Aug. 28.
Piston or packing ring. F. A. Miller. 1,466,510; Aug. 28.
Piston ring. A. A. Tanyard. 1,466,558; Aug. 28.
Pistons, piston rings, and cylinders, Treating. O. W. Gerleman. 1,466,432; Aug. 28.
Planers, Double-cutting tool for. J. D. Dusenbury. 1,466,355; Aug. 28.
Planter, Checkrow. S. Munson. 1,466,058; Aug. 28.
Plastic bodies from coal ashes and a plastic body made from such method, Making. S. Bo. 1,466,083; Aug. 28.
Plate, Anchor. J. R. Calderon. 1,466,158–9; Aug. 28.
Plating machine. W. Dietzel. 1,466,582; Aug. 28.
Plug, Antifreezing. E. W. Winans. 1,466,219; Aug. 28.
Pocket, Safety. W. E. Diehl. 1,466,091; Aug. 28.
Pockets, Rule or tool holder for garment. E. Cindel. 1,466,330; Aug. 28.
Polyhedral laminated articles, Manufacture of. G. C. Snyder. 1,466,034; Aug. 28.
Popgun. C. F. Lefever. 1,466,131; Aug. 28.
Pork holding and splitting device. C. Flick. 1,466,429; Aug. 28.
Potassium from brines, Recovery. C. E. Dolbear. 1,466,552; Aug. 28.
Potato-cutting machine. E. Goranson. 1,465,981; Aug. 28.
Power lifts, Clutch mechanism for. H. E. Altgelt. 1,466,202; Aug. 28.
Power presses, Safety mechanism for. M. L. Hunker. 1,466,170; Aug. 28.
Power-transmission and electric braking. P. W. Forsberg. 1,466,584; Aug. 28.
Power-transmission mechanism. E. A. Thompson. 1,466,214; Aug. 28.
Preheater and mixer. J. B. MacDonald. 1,466,406; Aug. 28.
Press: *See*—
Brick press. Punch press.
Printing press. Rimming press.
Press. L. C. Meyers. 1,466,408; Aug. 28.
Presses, Slider controller for. F. S. English. 1,466,122; Aug. 28.
Pressure-distributing structures, Making. A. Kingsbury. 1,465,988; Aug. 28.
Print, Contracted or shortened character for. E. R. Santoni. 1,466,565; Aug. 28.
Printer's quoin. H. H. Hancock. 1,465,984; Aug. 28.
Printing machine. E. Grosse. 1,466,526; Aug. 28.
Printing press. C. A. Kellogg. 1,466,303; Aug. 28.
Printing press. A. W. Metzner. 1,466,027; Aug. 28.
Pulley-control mechanism, Selective. A. C. Mason. 1,466,379; Aug. 28.
Pulp bleacher. P. K. Fletcher. 1,466,499; Aug. 28.
Pulp, Method and arrangement for conveying wood. P. C. Schaauning. 1,466,413; Aug. 28.
Pulverous materials, Agglomerating. C. T. Thorssell and O. Troell. 1,466,571; Aug. 28.
Pump oil can, Force-. E. B. Stelter. 1,466,256; Aug. 28.

Pump, Radiating piston. B. F. Johnson. 1,466,230; Aug. 28.
Pump, Rotary. F. C. Smith. 1,466,068; Aug. 28.
Punch and die mechanism, Rotary. A. W. Metzner. 1,466,001; Aug. 28.
Punch press. J. H. Reece. 1,466,030; Aug. 28.
Rack: *See*—
Necktie rack.
Radiator construction. J. M. Jensen. 1,466,530; Aug. 28.
Radiator indicator. L. F. Chaney. 1,466,117; Aug. 28.
Radiotelegraph system, Multiplex. E. H. Colpitts. 1,465,932; Aug. 28.
Rail fastener. S. Johnson. 1,466,400; Aug. 28.
Rail tracks, Crossover and doorway opening for suspended. N. Krump. 1,466,365; Aug. 28.
Rails, Anticreeper for. F. Quist. 1,466,188; Aug. 28.
Railway-traffic controlling apparatus. R. A. McCann. 1,466,055; Aug. 28.
Razor-blade stropper, Safety-. F. O. Thomas. 1,466,605; Aug. 28.
Razor, Safety. J. H. D. Everett. 1,466,123; Aug. 28.
Re and de railing device. H. A. Brown. 1,465,963; Aug. 28.
Receptacle. E. N. Burrows. 1,466,084; Aug. 28.
Receptacle stopper. H. J. Brazdon. 1,466,113; Aug. 28.
Receptacles or containers, Apparatus for making. I. Stanley. 1,466,211; Aug. 28.
Recording instrument. F. A. Carpenter. 1,466,271; Aug. 28.
Reel: *See*—
Film reel.
Reflector. E. Pascucci. 1,466,410; Aug. 28.
Refractory ware, Surfacing material for. P. Teetor. 1,466,213; Aug. 28.
Refrigerating apparatus. S. H. Todd. 1,466,072; Aug. 28.
Refrigerating receptacle. E. C. Calkins. 1,465,920; Aug. 28.
Refrigerator. F. C. Ames and H. L. Merrill. 1,466,440; Aug. 28.
Regulator: *See*—
Electrical regulator.
Remedy, Pyorrhea. I. Clifton. 1,466,578; Aug. 28.
Resilient wheel. L. J. Newman. 1,466,099; Aug. 28.
Rheostat. W. L. Brooks. 1,466,293; Aug. 28.
Ribbon, textile fabric, or similar article. E. Speck. Des. 62,964; Aug. 28.
Riddle. G. N. Collins. 1,467,931; Aug. 28.
Rim, Elastic. L. Carlberger. 1,466,205; Aug. 28.
Rims, Lock for demountable. W. B. Henkel. 1,466,553; Aug. 28.
Rimming press. T. H. Williams. 1,466,079; Aug. 28.
Ring: *See*—
Key ring.
Lead ring.
Piston ring.
Road-building and ditch-cleaning machine. G. A. Stevens. 1,466,569; Aug. 28.
Road machines, Combination blade extension and wing for. W. T. Beatty. 1,466,464; Aug. 28.
Rock drill and the like, Percussive. R. de H. St. Stephens and A. Ewing. 1,466,516; Aug. 28.
Rolling mill. J. M. Perry. 1,466,459; Aug. 28.
Rolling mills, Means for controlling continuous. A. Crook. 1,466,642; Aug. 28.
Roof covering. H. R. Wardell. 1,466,077; Aug. 28.
Roof or floor construction. H. E. Marks. 1,466,656; Aug. 28.
Roof truss. M. Korn. 1,466,174; Aug. 28.
Rope coupling. C. Watson. 1,466,195; Aug. 28.
Rotary machine. F. Egersdörfer. 1,466,276; Aug. 28.
Rubber heel, Detachable. W. A. Maloney. 1,466,407; Aug. 28.
Rubber-tired wheel. H. J. Ferris. 1,466,210; Aug. 28.
Rug. J. H. Handley. Des. 62,946; Aug. 28.
Rug. F. F. Rainsford. Des. 62,961; Aug. 28.
Safety pin. W. C. Hoffmaster. 1,466,226; Aug. 28.
Safety switch. H. P. Ridgely. 1,466,481; Aug. 28.
Salt and pepper shaker. A. J. Flauder. Des. 62,941–2; Aug. 28.
Salt-cake cup. A. C. Lippert. 1,466,132; Aug. 28.
Sanitarium, Portable mountain-air. F. Batter. 1,466,652; Aug. 28.
Sanitariums, Timing apparatus for mountain-air. F. Batter. 1,466,653; Aug. 28.
Saw machine, Band-. C. A. De Cew and W. F. Hirst. 1,466,090; Aug. 28.
Saw set, Automatic. T. C. Allison. 1,466,328; Aug. 28.
Saw teeth and the like, Machining. H. K. Lorentzen. 1,466,257; Aug. 28.
Scalp and hair, Machine for the treatment of. W. L. Majors. 1,466,629; Aug. 28.
Screen: *See*—
Adjustable screen.
Screen or conveyer, Reciprocating. R. S. Jacobsen. 1,465,942; Aug. 28.
Screen scratcher or rubber. M. L. Crawford. 1,466,580; Aug. 28.
Screening machine. C. E. Johnson. 1,465,986; Aug. 28.
Seed-collecting device. P. M. Ikeler and H. D. McDonald. 1,466,556; Aug. 28.
Seed separator. J. E. Raze. 1,466,560; Aug. 28.
Separator: *See*—
Seed separator.
Separator. M. R. Mann. 1,466,310; Aug. 28.
Serving stand, Adjustable. A. Roos. 1,466,191; Aug. 28.
Sewing machine, Chainstitch. A. Bellow. 1,466,466; Aug. 28.
Sewing machine feed mechanism. R. M. Sharaf. 1,466,152; Aug. 28.
Sewing machines, Lace holder and guide for. R. M. Sharaf. 1,466,153; Aug. 28.
Sewing machines, Loop-taker mechanism for zigzag. R. M. Sharaf. 1,466,149; Aug. 28.
Sewing machines, Needle-jogging mechanism for. R. M. Sharaf. 1,466,154; Aug. 28.
Sewing machines, Trimming or cutting mechanism for. R. M. Sharaf. 1,466,151; Aug. 28.
Sewing machines, Zigzag mechanism for. R. M. Sharaf. 1,466,150; Aug. 28.
Shaper attachment, Vertical. L. E. Rhodes. 1,466,062; Aug. 28.
Shears, Attachment for barber. A. Schuster. 1,466,193; Aug. 28.
Sheets, Conveyor and piler for large. W. A. Lacke. 1,466,177; Aug. 28.
Shelf-stacking tray. Y. X. Gleason. 1,466,335; Aug. 28.
Ships' bottoms below the water level, Apparatus for scrubbing. L. Thorsen. 1,466,315; Aug. 28.
Shock absorber. P. J. Murray and M. L. Clark. 1,465,993; Aug. 28.
Shock absorber for vehicles. E. F. McCarthy. 1,466,368; Aug. 28.
Shoe. W. C. Habberley. 1,466,552; Aug. 28.
Shoe-cleaning guard. D. Seals. 1,466,065; Aug. 28.
Shoe-shining cabinet. H. Johnson. 1,465,987; Aug. 28.
Shuttle bobbins. W. R. Berryman. 1,466,521; Aug. 28.
Shuttle spring. W. A. Bashaw. 1,466,418; Aug. 28.
Sideboard and china cabinet, Combination. F. W. Rockstege. Des. 62,934; Aug. 28.
Sifter, Flour. J. R. Haas. 1,465,983; Aug. 28.
Signal: *See*—
Traffic danger signal.
Signal. J. Cook. 1,466,424; Aug. 28.
Signpost. B. A. Belling. 1,466,465; Aug. 28.
Slicer, Apple. R. Buchi. 1,466,114; Aug. 28.
Slicer, Vegetable. J. Trubisky. 1,466,105; Aug. 28.
Slitting and rewinding machine. J. A. Cameron and G. B. Birch. 1,465,964; Aug. 28.
Slitting device. J. A. Cameron and G. B. Birch. 1,465,965; Aug. 28.
Slitting means. J. A. Cameron and G. B. Birch. 1,465,966; Aug. 28.
Slitting and rewinding machine. J. A. Cameron and G. B. Birch. 1,465,967; Aug. 28.
Smoke consumer. J. N. Tomes. 1,466,073; Aug. 28.
Smoke-consuming device. R. G. Makinson. 1,466,181; Aug. 28.
Smoothing sheet. S. E. Eskew and L. Harris. 1,466,391; Aug. 28.
Smudging and frost-preventing composition. H. Coffman. 1,466,331; Aug. 28.
Snap switch. H. G. Baxter. 1,466,266; Aug. 28.
Snow-removing apparatus. P. Dunwald. 1,466,614; Aug. 28.
Snowplow. L. Johnson. 1,466,046; Aug. 28.
Snowplow. G. J. Puth. 1,466,187; Aug. 28.
Solder, Homogeneous aluminum. O. Rebello. 1,466,061; Aug. 28.
Spark-advancing mechanism. F. Conrad and J. S. Kinney. 1,466,272; Aug. 28.
Spark indicator and amplifier. B. Jones and J. T. Holmes. 1,466,232; Aug. 28.
Spark plug. F. Varone. 1,466,316; Aug. 28.
Spark-plug structure. A. E. Eastman. 1,465,935; Aug. 28.
Spark-plug wrench. C. Buck. 1,465,929; Aug. 28.
Sparking plug. S. Fisher and W. Priddey. 1,465,978; Aug. 28.
Speed indicator, Rotary. E. J. Wilson. 1,466,156; Aug. 28.
Spindle drill, Multiple. F. E. Neltzel. 1,466,145; Aug. 28.
Spinning machines, Thread guide for. F. Cass. 1,466,577; Aug. 28.
Spoke-inserting machine. H. Flick. 1,466,430; Aug. 28.
Spotlight-operating mechanism. W. H. Flood. 1,465,936; Aug. 28.
Spraying container. H. N. Moran and C. A. Celica. 1,466,370; Aug. 28.
Spraying device. G. B. Pickop. 1,466,247; Aug. 28.
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Shuttle spring.
Spring structure. H. O. Reidenbach. 1,465,996; Aug. 28.
Spring structure, Covered. W. B. Foster. 1,466,617; Aug. 28.
Spring wheel. F. Palombo. 1,466,544; Aug. 28.
Springs, Means for eliminating friction between the laminations of leaf. B. C. Manby. 1,465,991; Aug. 28.
Squeeze roll, Sectional. F. L. Furbush. 1,466,094; Aug. 28.
Stand: *See*—
Bathtub stand.
Display stand.
Serving stand.
Staple. S. Kosienski. 1,466,533; Aug. 28.
Steam superheater. C. B. Forward. 1,466,278; Aug. 28.
Steel, Producing. J. T. Jones. 1,466,301; Aug. 28.
Steering device. C. M. Case. 1,466,612; Aug. 28.
Steering wheel, Composite. J. S. Kinney. 1,466,235; Aug. 28.

Stocking form. C. T. Griffith. 1,466,504; Aug. 28.
Stoker furnace. J. H. Roach. 1,466,562; Aug. 28.
Stop motion. J. Kiewicz. 1,466,402; Aug. 28.
Stopper: *See*—
Receptacle stopper.
Stove, Camp. H. L. Rouse. 1,466,343; Aug. 28.
Stove, Folding. C. M. Bates. 1,466,463; Aug. 28.
Stove, Gas. L. S. Lawson. Des. 62,955; Aug. 28.
Stove, Gasoline. A. Grasso. 1,466,396; Aug. 28.
Straw, Drinking. H. Pick. 1,466,185; Aug. 28.
Stretching and clamping device, Fabric. J. E. Donoho. 1,466,523; Aug. 28.
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Stropper: *See*—
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Suit, Sport. M. E. Heinrich. Des. 62,951; Aug. 28.
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Electric switch.
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Electrical snap switch.
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Snap switch.
Tongue switch.
Switch lock. C. Ledin. 1,466,594; Aug. 28.
Switch tongue. V. Augerer. 1,466,461; Aug. 28.
Tag, Shipping. W. G. Jopson. 1,466,173; Aug. 28.
Talking-machine truck. F. D. Lea. 1,465,945; Aug. 28.
Talking machines, Sound-arm coupling for. H. Hurm. 1,466,554; Aug. 28.
Talking machines, Stylus support for. H. Hurm. 1,466,555; Aug. 28.
Talking machines, Table for. J. F. and W. Borst. 1,466,576; Aug. 28.
Tank construction. A. A. Kramer. 1,466,175; Aug. 28.
Telegraph system. M. B. Kerr. 1,466,234; Aug. 28.
Telephone and other circuits, Connecting head for multiple. P. G. Brockett and C. C. Wright. 1,466,351; Aug. 28.
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Telephone system. C. W. Keckler. 1,466,233; Aug. 28.
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Tent, Portable dressing. H. E. Hodgson. 1,466,166; Aug. 28.
Thermostat. S. H. Todd. 1,466,070; Aug. 28.
Thrashing machines, Extension grate for. De Van Wheeler. 1,466,218; Aug. 28.
Ticket deliverer. J. Stiriss. 1,466,492; Aug. 28.
Time and speed recording means. M. W. Koski. 1,466,050; Aug. 28.
Time-control signal system. D. W. Driscoll. 1,466,471; Aug. 28.
Timer. L. L. Evans. 1,466,392; Aug. 28.
Tin, Electrolytic refining or depositing of. C. G. Fink. 1,466,126; Aug. 28.
Tire. H. C. Fitch. 1,466,498; Aug. 28.
Tire. J. B. Topham. Des. 62,967–70; Aug. 28.
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Tire-chain-attaching device and carrier. J. P. Hart. 1,466,374; Aug. 28.
Tire-chain hook. A. Falstrault. 1,466,615; Aug. 28.
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Tire, Resilient. C. G. Lundstrom. 1,466,133; Aug. 28.
Tire tool. W. M. McEwen. 1,466,179; Aug. 28.
Tire tread. L. P. Holloway. Des. 62,952; Aug. 28.
Tire tread, Pneumatic. P. B. Bosworth. Des. 62,936; Aug. 28.
Tire-tubing machine. H. A. Weldaw. 1,466,009; Aug. 28.
Tires, Means for curing. H. F. Waters. 1,466,318; Aug. 28.
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Tongue switch. C. A. Psilander. 1,466,631; Aug. 28.
Tonsilotome. O. C. Daniels. 1,466,581; Aug. 28.
Tool. E. E. Ciba. 1,466,118; Aug. 28.
Tool. W. G. Seiders. 1,466,196; Aug. 28.
Toothbrush holder. J. A. Duggan. 1,466,041; Aug. 28.
Torch, Carbide soldering. F. C. Knapp. 1,466,403; Aug. 28.
Torque shock absorber. C. A. Taber. 1,466,414; Aug. 28.
Toy. A. W. Schwarz. 1,466,194; Aug. 28.
Toy, Advertising. C. W. Kuen. 1,466,534; Aug. 28.
Toy, Aeroplane. J. Y. Rippin. 1,466,031; Aug. 28.
Toy vehicle of the tricycle type. W. A. Mankey. 1,466,476; Aug. 28.
Toy, Wheeled. C. C. Milliken. 1,466,183; Aug. 28.
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Tractor hitch. R. Deming. 1,466,274; Aug. 28.
Traffic danger signal. E. De Bogory. 1,466,333; Aug. 28.
Transmission-regulating circuit. G. Crisson. 1,465,972; Aug. 28.
Transom-operating mechanism. O. A. Smith and G. J. Leber. 1,465,951; Aug. 28.
Transom-operating mechanism. O. A. Smith and G. J. Leber. 1,465,953; Aug. 28.
Trap: *See*—
Bird and animal trap.
Mouse trap.
Trap. F. H. Crago. 1,466,332; Aug. 28.
Trap. S. Lange. 1,466,178; Aug. 28.
Trap. L. Savicks. 1,466,602; Aug. 28.
Traveler's set. D. Michie. 1,466,139; Aug. 28.
Trestle, Folding. H. Oetzel. 1,465,947; Aug. 28.
Triaryl guanidines, Manufacture of. L. P. Kyrides. 1,466,535; Aug. 28.
Trip jack. F. H. Schwerin. 1,466,195; Aug. 28.
Triplane flying boat. G. H. Curtiss. 1,465,973; Aug. 28.
Trolley safety clutch. W. B. Haskins. 1,466,375; Aug. 28.
Troughs, Machine for forming eaves. J. A. Krantz. 1,466,051; Aug. 28.
Trucks, Wheel structure for dry-kiln. H. B. Gillette. 1,466,434; Aug. 28.
Tube: *See*—
Detector tube.
Tubes and the like, Finishing machine for. M. Notheis. 1,466,439; Aug. 28.
Tuning fork, Adjustable-vibration. W. A. Houghtaling. 1,466,623; Aug. 28.
Turbine, Elastic-fluid. J. Wilkinson. 1,466,324; Aug. 28.
Turbine, Wind. E. H. Manning. 1,466,026; Aug. 28.
Twister rings, Lubricating means for. D. D. Towers. 1,466,004–5; Aug. 28.
Typewriter. W. Schäffer. 1,466,491; Aug. 28.
Typewriting machine. H. S. Lasher. 1,465,943; Aug. 28.
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Valve. O. Jacobsen. 1,466,171; Aug. 28.
Valve. C. W. Larner. 1,466,130; Aug. 28.
Valve and operating mechanism therefor, Tank-car. A. Campbell and A. E. Zimmer. 1,466,116; Aug. 28.
Valve, Automatic pressure-retaining. T. James, jr., and W. I. Wolfson. 1,466,589; Aug. 28.
Valve gear. C. J. Pilliod. 1,465,948; Aug. 28.
Valve mechanism for dump cars. J. B. Rhodes. 1,466,342; Aug. 28.
Valves in Diesel motors, Arrangement of operating cams of the fuel. A. Reinsch. 1,466,249; Aug. 28.
Vanity box. P. A. Reutter. Des. 62,962; Aug. 28.
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Vegetable cutter. J. Vistine. 1,466,519; Aug. 28.
Vehicle anchoring device. W. W. Blakely and G. C. Fedderman. 1,466,412; Aug. 28.
Vehicle body. J. E. Sersté. 1,466,345; Aug. 28.
Vehicle brake. F. H. Royce. 1,466,549; Aug. 28.
Vehicle, Itinerant vending and sales. C. W. Martin and L. E. Hoffman. 1,466,539; Aug. 28.
Vehicles, Hood hook for motor. W. H. Holmes. 1,466,528; Aug. 28.
Vehicles, Resilient wheel for motor and other like. T. H. Rushton. 1,466,550; Aug. 28.
Vending machine, Coin-controlled. H. Giles. 1,466,372; Aug. 28.
Waffle iron, Electrically-heated. W. Sickinger. 1,466,198; Aug. 28.
Warp beams, Tension-regulating mechanism for. J. Northrop. 1,466,100; Aug. 28.
Washboiler. A. B. and F. B. Crosier. 1,466,206; Aug. 28.
Washing kit. J. Kirchner, jr. 1,466,593; Aug. 28.
Washing machine. S. B. Caldwell. 1,466,204; Aug. 28.
Washing machine. A. Graydon. 1,466,397; Aug. 28.
Washing machine. A. C. Schmelzer. 1,466,192; Aug. 28.
Watches, Traveling case for. W. F. Grupe. 1,466,505; Aug. 28.
Watchmaker's tool. J. D. Howell. 1,466,227; Aug. 28.
Water heater. O. J. Moose. 1,466,142; Aug. 28.
Water pipe. T. H. King. 1,466,592; Aug. 28.
Water softener and storage tank, Combined. C. Ladd and T. G. Windes, jr. 1,466,053; Aug. 28.
Waterproof building material. R. G. Bachman. 1,466,462; Aug. 28.
Waterproof cigarette case. J. L. Raney. 1,466,548; Aug. 28.
Weed extractor. F. Holton. 1,466,168; Aug. 28.
Welding process and means. C. H. Hollup. 1,466,587; Aug. 28.
Wells, Device for forcing fluid from. A. L. Smith. 1,466,199; Aug. 28.
Wells, Jack frame for oil. R. E. Alexander. 1,466,573; Aug. 28.
Welt-guide and stitch indenting mechanism. J. H. Reed. 1,466,341; Aug. 28.
Wheel: *See*—
Metal wheel.
Resilient wheel.
Rubber tired wheel.
Spring wheel.
Steering wheel.
Wheel brake, Front-. H. J. Noll. 1,466,146; Aug. 28.
Wheel construction, Loose-. G. Trefs. 1,466,074; Aug. 28.
Wheel-hub construction. J. Wheeler. 1,465,958; Aug. 28.
Wheel tightener. F. A. Homewood. 1,466,097; Aug. 28.
Wind-velocity and ground-speed indicator. O. B. Whitaker. 1,466,416; Aug. 28.
Winding machines, Builder mechanism for. A. E. Kay. 1,466,290; Aug. 28.
Window lock, Burglarproof. H. Heyer. 1,466,586; Aug. 28.
Windows, Fly screen for. E. Guardiani. 1,466,281; Aug. 28.
Wire-drawing machines, Guard for. W. J. Gajkowski. 1,466,645; Aug. 28.
Wire fabric, Machine for making. J. W. Taylor. 1,466,415; Aug. 28.
Wire grip. C. H. Dicke. 1,466,426; Aug. 28.
Wire grip. C. J. Walton. 1,466,007; Aug. 28.

Wire straightening and cutting machine. E. F. Shuster. 1,466,002; Aug. 28.
Wireless signaling system. E. F. W. Alexanderson. 1,465,961–2; Aug. 28.
Wood material and the product thereof, Production of homogeneous. V. H. Forsstman. 1,465,937; Aug. 28.
Wrapping machine. J. Faull. 1,465,976–7; Aug. 28.
Wrapping machine. F. W. Lev. 1,466,451; Aug. 28.
Wrapping machine. E. O Strom. 1,466,633; Aug. 28.
Wrapping machines, Printing attachment for. H. A. Sévigné. 1,466,660; Aug. 28.
Wrench: *See*—
Spark-plug wrench.
Wrench. A. Garbacz. 1,466,502; Aug. 28.
Wrench. E. Matthews. 1,466,136; Aug. 28.
Wrist pin. J. S. Winkler. 1,466,325; Aug. 28.
Yarn clamp. E. T. Sampson. 1,466,485; Aug. 28.
Yarn-twisting device. C. E. McLin. 1,466,180; Aug. 28.

CLASSIFICATION OF PATENTS

ISSUED AUGUST 28, 1923.

NOTE.—First number=class, second number=subclass, third number=patent number.

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[Decisions of the United States Circuit Court of Appeals are indicated by the letter (d); of the Court of Appeals of the District of Columbia by one star (•); and of the Supreme Court of the United States by two stars (••).]

ERRATA.

62,975 (Design), page 44, in heading, after residence of the patentee insert *assignor to Bailey, Banks & Biddle Co., Philadelphia, Pa., a Corporation of Pennsylvania.*

1,466,870, page 94, in heading, after residence of the patentee insert *assignor to Baird Corn Husker Co., Champaign, Ill., a Corporation of South Dakota.*

1,467,284, page 173, in heading, assignment, State of incorporation, for "Massachusetts" read *New York.*

1,468,197, page 482, in heading, assignment, for "Downey Glare Shield Company" read *Downing Glare Shield Company.*

1,468,598, page 560, in heading, after residence of patentee insert *assignor to Merit Machine Manufacturing Corporation, a Corporation of New York.*

1,469,198, page 749, in heading, name of patentee, for "Edward McTowe" read *Edward Mc Towe.*

Patents Nos. 1,466,655 to 1,467,293.

THE OFFICIAL GAZETTE

OF THE

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Fee for Attorney's Certificate.

On request, a certificate of admission of an attorney to practice before this Office may be issued for a fee of $1.00, which should accompany the request or may be charged to deposit account.

Interference Notices.

U. S. PATENT OFFICE, *Washington, Aug. 23, 1923.*

Robinola Phonograph Co., its assigns or legal representatives, take notice:

An interference has been declared by this Office between the application of Charles M. Robinson, 119 East Fifth Street, Cincinnati, Ohio, for registration of a trade-mark and trade-mark registered November 23, 1920, No. 137,388, to Robinola Phonograph Co., 104 North Tenth Street, St. Louis, Mo. The notice of such declaration sent by registered mail to said Robinola Phonograph Co. on December 22, 1922, at the said address has not been returned by the post-office authorities; but the applicant has since been unable to secure service on said company. Notice is therefore hereby given that unless said Robinola Phonograph Co., its assigns or legal representatives, shall enter an appearance therein within thirty days from the first publication of this order the interference will be proceeded with as in case of default.

This notice will be published in the OFFICIAL GAZETTE for three consecutive weeks.

(Signed) KARL FENNING,
Acting Commissioner.

U. S. PATENT OFFICE, *Washington, Aug. 13, 1923.*

Three Minute Noodle Co., its assigns or legal representatives, take notice:

An interference having been declared by this Office between the application of Weitz & Lefft, 427 East One Hundred and Thirty-eighth Street, New York, N. Y., for registration of a trade-mark and trade-mark registered October 29, 1918, No. 123,395, to the Three Minute Noodle Co., 650 West One Hundred and Seventy-seventh Street, New York, N. Y., and the Office having failed to secure service upon the registrant, notice is hereby given that unless said Three Minute Noodle Co., its assigns or legal representatives, shall enter an appearance therein within thirty days from the first publication of this order the interference will be proceeded with as in case of default.

This notice will be published in the OFFICIAL GAZETTE for three consecutive weeks.

WM. A. KINNAN,
Acting Commissioner.

ADVERSE DECISIONS IN INTERFERENCE.

In interference involving the indicated claims of the following patents final decisions have been rendered that the respective patentees were not the first inventors with respect to the claims listed:

Pat. 1,295,147, J. Flammang, Process for making piston rings, decided July 13, 1923, claims 1, 2, 4, and 5.

Pat. 1,296,083, R. Illemann, Bituminous composition, decided July 13, 1923, claim 1.

Notice Regarding Payment of Fees.

All fees must be paid in advance. Payment of money required for Office fees *must* be made in specie, Treasury notes, national-bank notes, post-office money orders, or certified checks. Money orders and checks must be made payable to the "Commissioner of Patents." Money sent by mail to the Patent Office will be at the risk of the sender. (See Rule 194.)

Certified checks, bank drafts, express and foreign money orders must be immediately negotiable in this country and for the full amount of the fee required by the Patent Office. No allowance can be made by this Office for any charge for their collection or exchange. Postage stamps will not be accepted. Failure to comply with the above instructions will cause delay.

Access to Pending Applications.

No person except the applicant, the assignee whose assignment is of record, or the attorney of record will be permitted to have access to the file of any application, except as provided for under the interference rules, unless written authority from the applicant, assignee, or attorney, identifying the application to be inspected, is filed in the case to become a part of the record thereof, or upon the written order of the Commissioner, which will also become a part of the record of the case.

Condition of Applications Under Examination at Close of Business August 24, 1923.

(Total number of applications awaiting action, excluding Trade-Mark Division, 76,722; Trade-Mark Division, 3,126. Oldest new case, Sept. 29, 1922; oldest amended, Oct. 12, 1922. The dates given are 1922 except where * indicates 1923.)

Room No.	Divisions, Examiners, and subjects of inventions.	Oldest new application and oldest action by applicant awaiting office action. New.	Amended.	No. of applications awaiting action.
314	1. LOEFFLER, F. A., Closure Operators; Fences; Gates; Harrows and Diggers; Plows; Planting; Scattering Unloaders; Trees, Plants, and Flowers.	Nov. 11	Nov. 1	1,348
128	2. HADEN, C. F., Bee Culture; Dairy; Preserving; Presses; Tents, Canopies, Umbrellas, and Canes; Tobacco.	Dec. 2	Nov. 9	1,498
175	3. RICH, WM. J., Electric Heating and Rheostats; Electrochemistry; Heating; Metal Founding; Metallurgical Apparatus; Metallurgy; Metal Treatment; Plastic Metal Working.	Nov. 16	*Feb. 23	1,475
234	4. MERRITT, A. D., Conveyers, Chutes, Skids, Guides, and Ways; Conveyers, Fluid Current; Conveyers, Power Driven; Excavating; Handling—Hand and Hoist-Line Implements; Material or Article Handling; Pushing and Pulling Implements; Railway Mail Delivery; Traversing Hoists.	Nov. 4	*Feb. 28	1,626
167	5. MACNAB, J. F., Bookmaking; Books, Strips, and Leaves; Harvesters; Jewelry; Manifolding; Music; Printed Matter; Tying Cords or Strands.	Sept. 29	Oct. 19	1,512
318	6. LEWERS, A. M., Bleaching and Dyeing; Chemicals; Chemistry—Carbon Compounds; Explosive, Pyrotechnic, and Match Compositions; Fertilizers; Liquid Coating Compositions; Medicines; Plastic Compositions; Substance Preparation.	Oct. 3	*Mar. 10	1,717
312	7. JARBOE, C. G., Games and Toys; Optics; Photography	Nov. 4	*Jan. 5	2,800
133	8. CLIFT, J. W., Beds; Chairs and Seats; Furniture; Kitchen and Table Articles; Store Furniture; Supports.	*Jan. 27	*May 1	1,715
221	9. TRYON, F. M., Air and Gas Pumps; Hydraulic Motors; Injectors and Ejectors; Motors, Fluid; Motors, Fluid Current; Pumps.	Oct. 28	*July 9	931
235	10. HUNTER, O. F. (Acting), Motor Vehicles; Land Vehicles—Animal Draft Appliances, Bodies and Tops, Dumping, Wheel Substitutes.	Nov. 20	Nov. 20	1,535
154	11. ARMSTRONG, H. C., Boot and Shoe Making; Boots, Shoes, and Leggings; Button, Eyelet, and Rivet Setting; Harness; Hides, Skin, and Leather; Leather Manufactures; Nailing and Stapling; Whips and Whip Apparatus.	*Feb. 8	*Jan 19	1,026
322	12. PIERCE, P. P., Machine Elements	*Jan. 2	*Jan. 29	1,512
329	13. NIXON, G. A., Bolt, Nail, Nut, Rivet, and Screw Making; Chain, Staple, and Horseshoe Making; Driven, Headed, and Screw-Threaded Fastenings; Gear Cutting, Milling, and Planing; Metal Drawing; Metal Forging and Welding; Metal Rolling; Metal Working; Needle and Pin Making; Turning.	Nov. 24	*Apr. 14	1,214
323	14. BRUMBAUGH, N. J., Compound Tools; Cutting and Punching Sheets and Bars; Farriery; Metal Bending; Metal Tools and Implements, Making; Sheet-Metal Ware, Making; Tools; Wire Fabrics and Structure; Wire Working.	Oct. 26	*June 11	1,192
308	15. REDROW, W. L., Glass; Laminated Fabric and Analogous Manufactures; Paper Making and Fiber Liberation; Plastic Block and Earthenware Apparatus; Plastics.	Nov. 2	Dec. 15	2,135
112	16. BACKUS, C. D., Radiant Energy; Telegraphy; Telephony	Nov. 2	Nov. 1	2,617
307	17. RAFTER, G. S., Coating, Label Pasting, and Paper Hanging; Nut and Bolt Locks; Ornamentation; Paper Manufactures; Printing; Type Casting; Sheet-Material Association or Folding; Sheet or Web Feeding or Delivering; Type Setting.	Nov. 4	*Mar. 6	1,600
229	18. PORTER, M. E., Liquid Heaters and Vaporizers; Motors, Expansible-Chamber Type; Power Plants; Speed-Responsive Devices.	Oct. 12	Oct. 20	2,082
236	19. GLASCOCK, E. S., Automatic Temperature and Humidity Regulation; Furnaces; Heating Systems; Stoves and Furnaces; Thermostats and Humidostats.	*Apr. 5	*May 11	681
179	20. WRIGHT, H., Artificial Body Members; Miscellaneous Hardware; Closure Fasteners; Cutlery; Dentistry; Locks and Latches; Safes; Undertaking.	*Jan. 9	*Jan. 8	1,677
212	21. THURBER, W. L., Winding and Reeling; Textiles—Braiding, Netting, or Lace Making, Cloth Finishing, Fiber Preparation, Knitting, Spinning, Twisting or Twining, Weaving.	Oct. 28	*Apr. 10	1,065
249	22. COLWELL, J. H., Aeronautics; Firearms; Ordnance; Ammunition and Explosive Devices; Ammunition and Explosive-Charge Making; Air Guns, Catapults, and Targets; Boats and Buoys; Ships; Marine Propulsion.	Nov. 13	*Feb. 5	669
217	23. GROESBECK, W. D., Acoustics; Coin Handling; Recorders; Registers; Sound Recording and Reproducing.	Oct. 18	Oct. 12	885
144	24. DURAN, C. O., Apparel; Apparel Apparatus; Garment Supporters; Sewing Machines	Nov. 9	*Feb. 8	1,409
315	25. LIGHTFOOT, J. H., Agitating; Butchering; Centrifugal-Bowl Separators; Mills; Threshing; Vegetable and Meat Cutters and Comminutors; Gas Separation.	*Jan. 31	*Jan. 15	1,101
105	26. HODGES, J. S., Electricity, Generation; Motive Power; Prime-Mover Dynamo Plants	Oct. 21	Nov. 8	1,030
214	27. ANDERSON, L. S., Brush, Broom, and Mop Making; Brushing, Scrubbing, and General Cleaning; Laundry; Washing Apparatus.	Oct. 30	Nov. 3	1,554
225	28. BENSON, A. R., Internal-Combustion Engines	Dec. 29	*Jan. 26	1,491
147	29. MORRIS, B. N., Abrading; Boring and Drilling; Button Making; Chucks or Sockets; Coopering; Tool-Handle Fastenings; Wheelwright Machines; Wood Sawing; Wood Turning; Woodworking; Woodworking Tools.	Nov. 14	*Jan. 2	1,412
152	30. SULLIVAN, M. R., Illuminating Burners; Illumination; Liquid and Gaseous Fuel Burners; Typewriting Machines.	*Jan. 2	*Apr. 17	1,959
172	31. HOLMES, W. N., Alcohol; Ammonia, Water, and Wood Distillation; Charcoal and Coke; Gas, Heating and Illuminating; Hydraulic Cement and Lime; Mineral Oils; Oils, Fats, and Glue; Sugar, Starch, and Carbohydrates; Concentrating Evaporators.	Nov. 10	Oct. 28	1,722
278	32. BANCROFT, J. F., Gas and Liquid Contact Apparatus; Heat Exchange	Nov. 1	Nov. 4	1,418
70	33. WYMAN, W. I., Bridges; Hydraulic and Earth Engineering; Masonry and Concrete Structures; Metallic Building Structures; Roads and Pavements; Roofs; Rod Joints or Couplings; Pipe Joints or Couplings; Valved Pipe Joints or Couplings.	Nov. 19	Nov. 13	1,763
304	34. SIMPSON, G. R., Electricity-Transmission to Vehicles; Pneumatic Dispatch; Railways; Railway Rolling Stock; Railway Switches and Signals; Railways, Surface Track; Railway Wheels and Axles; Store Service; Track Sanders; Vehicle Fenders.	*Jan. 18	*Mar. 5	822
52	35. REYNOLDS, E. C., Buckles, Buttons, Clasps, Etc.; Card, Picture, and Sign Exhibiting; Signals and Indicators; Toilet.	*Feb. 21	*Apr. 13	1,062
265	36. MORTON, G. L., Automatic Weighers; Driers; Geometrical Instruments; Measuring Instruments; Force Measuring.	*Jan. 25	*Jan. 9	2,139
107	37. TAYLOR, E. C., Electricity, Circuit Makers and Breakers	Nov. 3	Nov. 6	2,001
378	38. IDE, O. R., Animal Husbandry; Earth Boring; Fishing, Trapping, and Vermin Destroying; Mining, Quarrying, and Ice Harvesting; Stationery; Stoneworking; Wells.	Oct. 27	Oct. 28	1,983
220	39. COWLES, A. W., Fluid-Pressure Regulators; Multiple Valves; Valves; Water Distribution	Oct. 26	Oct. 25	1,420
269	40. OBERLIN, J. J., Baggage; Bottles and Jars; Cloth, Leather, and Rubber Receptacles; Deposit and Collection Receptacles; Metallic Receptacles; Package and Article Carriers; Paper Receptacles; Special Receptacles and Packages; Wooden Receptacles.	Oct. 28	*Apr. 25	2,271
125	41. BROWN, J. I., Land Vehicles, Wheels and Axles; Resilient Tires and Wheels	*Jan. 3	*Feb. 3	975
114	42. CUTTING, H. O., Electrical Conduits and Housings; Electric Signaling; Electric Lamps	Nov. 2	Dec. 2	1,769
382	43. HOPKINS, F. M., Baths and Closets; Electricity, Medical and Surgical; Fire Extinguishers; Sewerage; Surgery; Liquid Separation or Purification.	Nov. 18	Nov. 18	1,829
253	44. SHAFFER, C. H., Bread, Pastry, and Confection Making; Dispensing; Dispensing Beverages; Filling and Closing Portable Receptacles; Railway Draft Appliances; Refrigeration.	Nov. 20	*Mar. 13	1,190
379	45. GILES, A. H., Journal Boxes, Pulleys, and Shafting; Lubrication; Motors; Spring Devices	Dec. 1	Nov. 4	1,642
332	46. WOLCOTT, C. L., Curtains, Shades, and Screens; Educational Appliances; Fire Escapes; Ladders; Fluid Sprinkling, Spraying, and Diffusing; Paper Files and Binders; Wooden Buildings; Scaffolds.	Dec. 2	*Jan. 8	1,587
264	47. BARKER, H., Brakes; Clutches and Power Stop Control; Elevators; Fluid-Pressure Brake and Analogous Systems; Horology; Time-Controlling Mechanism.	Nov. 27	*Feb. 1	1,216
118	48. ROEHKE, O. B., Electricity Conductors; Electricity, General Applications	Nov. 1	Nov. 3	2,388
383	49. EDINBURG, F. P., Check-Controlled Apparatus; Domestic Cooking Vessels; Fuel and Igniting Devices; Joint Packings; Packed Shaft or Rod Joints; Pneumatics; Velocipedes.	Nov. 15	Dec. 7	655
102	DESIGNS: C. O. MARKHAM (Acting)	*Jan. 22	*Mar. 7	2,402
163	TRADE-MARKS, LABELS AND PRINTS: T. L. MEAD, JR. — Trade-Marks	*May 24	*July 2	3,091
	Labels and Prints	*Aug. 11	*Aug. 13	35

DECISIONS IN PATENT AND TRADE-MARK CASES.

Court of Appeals of the District of Columbia.

ARKELL SAFETY BAG CO. *v.* SAFEPACK MILLS.

No. 1,568. Decided May 7, 1923.

1. TRADE-MARKS—"ARKSAFE" AND "SAFEPACK"—SIMILARITY DETERMINED BETTER BY THE EYE AND EAR THAN BY THE TESTIMONY OF EXPERTS.

Whether two marks are so similar as to be likely to cause confusion is better determined by the judgment of the eye and of the ear than by the testimony of experts.

2. SAME—SAME—SIMILARITY.

It is not required that the marks be so dissimilar as to be absolute proof against mistake, it being only necessary that they be sufficiently dissimilar that the ordinary purchasers of the particular goods are not likely to be confused to the extent of purchasing the goods of one for the goods of the other.

3. SAME—CHARACTERISTIC WORD OF APPLICANT'S CORPORATE NAME.

A trade-mark which consists of the characteristic word in the corporate name of the applicant should not be refused registration for that reason.

4. SAME—OPPOSER MAY NOT CONTEND THAT THE MARK IS DESCRIPTIVE IN THE ABSENCE OF DAMAGE.

An opposer has no right to contend that the mark is merely descriptive, and hence not registrable, unless the fact that it is descriptive would be likely to damage him.

5. SAME—DECEPTIVE SIMILARITY NOT SHOWN.

An order sent by a third party to the opposer for goods, designating the goods by the word which constitutes applicant's trade-mark, does not indicate that the two marks are deceptively similar where the person who sent the order was not aware of the opposer's mark at the time.

Mr. Nicholas M. Goodlett for Arkell Safety Bag Co.

Mr. C. L. Rogers for Safepack Mills.

Before SMYTH, Chief Justice, and ROBB and VAN ORSDEL, Associate Justices.

SMYTH, *C. J.:*

[1, 2] Arkell Safety Bag Company, owner of the mark "Arksafe," which was registered for it in the Patent Office July 23, 1901, opposed the application of Safepack Mills for the registration of the mark "Safepack." The latter company claims use of its mark only since May, 1914, and is therefore junior to the opposer. Both marks are applied to wrapping paper, hence to goods of the same descriptive properties. The opposition is grounded on the contentions (1) that the registration of the applicant's mark would be likely to produce confusion; (2) that it is descriptive of the character of the goods, and (3) that the word "Safepack" is the characteristic word in the corporate name of the applicant. In rejecting these contentions the Commissioner said that whether the two marks were so similar as to be likely to cause confusion is better determined by the judgment of the eye and of the ear than by the testimony of experts; that neither the appearance of the two words nor their sound when spoken would indicate that their use as trade-marks would be likely to confuse the purchaser as to the origin of the goods; that it is not required that the marks be so dissimilar as to be absolute proof against mistake, it being only necessary that they be sufficiently dissimilar that the ordinary purchasers of the particular goods are not likely to be confused to the extent of purchasing the goods of the one for the goods of the other, and he overruled the first contention.

With respect to the second ground of opposition he pointed out that the syllable "Safe" is common to both marks; that if the component parts of the mark "Safepack" be considered, a variety of meanings, more or less fanciful, could be derived from it; that the mark, however, must be taken as a whole, and when so taken belongs to that class of arbitrary suggestive words that the commercial world is seeking; that, while it may be suggestive of certain characteristics, it is not descriptive to the extent of defining any particular quality of the goods to which it is applied; and hence that the contention of the Arkell Company with respect to it was not sound.

[3] Touching the third ground of the opposition, the Commissioner quoted from setcion 5 of the Trade-Mark Act of February 20, 1905, as amended by the act of January 8, 1913, wherein it is said—

> that nothing herein shall prevent the registration of a trade-mark otherwise registrable because of its being the name of the applicant or a portion thereof,

and ruled against the opposer. He distinguished *Simplex Electric Heating Co.* v. *Ramey Co.* (243 O. G., 793) and *in re American Steel Foundries* (258 Fed., 160; 264 O. G., 354) from the case before him, on the footing that in those cases registration was sought by a competitor of the corporation a part of whose name was sought to be registered. We agree with the views of the Commissioner as herein expressed.

[4] Opposer has filed a brief which is rather elaborate when the narrowness of the subject discussed is considered. The brief devotes much time to the contention that "Safepack" is merely descriptive, and hence not registrable. But the opposer has no right to raise that question in this case unless the fact that it is descriptive would be likely to damage it. Probable damage is the basis upon which an opposition proceeding must rest. (Sec. 6, 33 Stat., 726.) If we concede that the mark is descriptive but is not deceptively similar to opposer's mark, there is no ground for claiming that its registration would damage the opposer. It is true, as claimed by the opposer, that under section 7 of the same act the Commissioner may in an opposition proceeding refuse registration of a

mark because it is descriptive, but this does not mean that an opposer has a right to raise that question unless the registration of the mark would be likely to damage him.

[5] Stress is laid on the fact that a dealer in paper sent to opposer an order in which he asked the latter to send him "Safepack" paper—the paper produced by the applicant—and it is argued that this indicates that the marks are deceptively similar. But the person who sent the order testified that he was not aware of opposer's mark at the time, and that he had made a mistake in using applicant's mark. If he was not aware of opposer's mark it cannot be said that he mistook the mark "Safepack" for it. It is not necessary for us to go further. As stated, we are satisfied with the reasoning of the Commissioner, and therefore affirm his decision.

Affirmed.

Court of Appeals of the District of Columbia

BRODERICK *v.* L. MITCHELL & CO.

No. 1,570. Decided May 7, 1923.

1. TRADE-MARKS—"WHITE MAGIC" AND "MAGIC MARVEL"—DECEPTIVE SIMILARITY.

The marks "White Magic" and "Magic Marvel" are deceptively similar. The word "Magic" gives character to each. In the trade the goods of both parties, if the two marks were used, would soon be known as the Magic compound or cleaner.

2. SAME—OPPOSITION—WHO MAY OPPOSE.

Section 6 of the Trade-Mark Act gives the right to any who believes that the mark of an applicant would damage him the right to oppose its registration. It is not necessary that the opposer should have a registered mark or one that is registrable. It may be that he is not entitled to the exclusive use of his mark. None the less he has the right to resist the applicant's attempt to appropriate to himself its exclusive use where the use of the two marks would probably deceive.

Mr. Paul Synnestvedt and *Mr. H. L. Lechner* for Broderick.

Mr. J. A. Dienner and *Mr. A. H. Boettcher* for L. Mitchell & Co.

Before SMYTH, Chief Justice, and ROBB and VAN ORSDEL, Associate Justices.

SMYTH, *C. J.*:

The Commissioner of Patents sustained the opposition of L. Mitchell & Co., to Broderick's application for registration of the trade-mark "White Magic." Mitchell & Co. uses the mark "Magic Marvel." Both parties are engaged in selling a cleansing compound. It is manifest, therefore, that the goods to which they apply their respective marks have the same descriptive properties. Mitchell & Co. adopted its mark somtime in 1915, while Broderick can not claim a date prior to 1919. If, therefore, the marks are deceptively similar, Mitchell & Co. are entitled to prevail.

[1] We believe the marks are deceptively similar. Arguable differences may be easily pointed out, but this is not enough. (*Waltke & Co.* v. *Schafer & Co.*, 49 App. D. C., 254; 263 Fed., 650; 273 O. G., 630.) The word "Magic" gives character to each. In the trade the goods of both parties, if the two marks were used, would soon be known as the Magic compound or cleaner. This would lead to the very confusion which the statute aims to prevent.

[2] Section 6 of the Trade-Mark Act as construed by this court in *Arkell Safety Bag Company* v. *Safepack Mills*, decided at this sitting (52 App. D. C., —; 314 O. G., 3), gives the right to anyone who believes that the mark of an applicant would damage him the right to oppose its registration. In order that he may maintain his opposition it is not necessary that he should have a registered mark, or one that is registrable. (*Atlas Underwear Co.* v. *B. V. D. Co.*, 48 App. D. C., 425; 261 O. G., 801; *McIlhenny Co.* v. *Trappey*, 51 App. D. C., 216; 277 Fed., 615; 297 O. G., 800.) If the mark of the applicant is so nearly like his as to be likely to lead intending purchasers to believe that the goods of the applicant were put out by the opposer, and to buy them on that assumption, thereby damaging the latter, the statute affords him a right to object to the applicant's mark being registered. It may be that the opposer is not entitled to the exclusive use of his mark. None the less he has the right to resist the applicant's attempt to appropriate to himself its exclusive use where, as here, the use of the two marks would probably deceive.

The Commissioner did not err in denying registration to the applicant's mark, and hence we affirm his decision.

Affirmed.

Court of Appeals of the District of Columbia.

BREWER *v.* RUSSELL.

No. 1,578. Decided May 7, 1923.

INTERFERENCE—RIGHT TO MAKE THE CLAIM.

Where R. copied the claim of a patent which was inadvertently granted to B. during the pendency of R.'s application, the claim including a carline having a substantially Z-shaped cross section and comprising a substantially vertical web, which R. admitted he could not claim in terms, and where the departure from the prior art was small, and the essence of R.'s invention resided in the inclination of the web from the vertical, *Held* that R. could not make the claim and that a motion to dissolve should have been sustained.

Mr. Edwin S. Clarkson for Brewer.

Mr. Paul Carpenter and *Mr. Wm. S. Gluck* for Russell.

Before SMYTH, Chief Justice, and ROBB and VAN ORSDEL, Associate Justices.

VAN ORSDEL, *J.*:

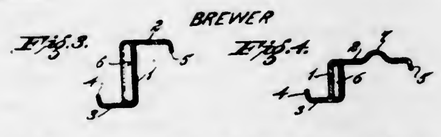
This appeal is from the decision of the Commissioner of Patents awarding priority of invention to appellee Russell, the senior party.

The invention relates to pressed-steel carlines and is defined in the single count of the issue as follows:

A pressed steel carline having a substantially Z-shaped cross section and comprising a *substantially* vertical web extending longitudinally thereof, and an upper flange and a lower flange projecting horizontally from said web in opposite directions, said upper flange increasing in width from the middle of the carline toward the ends thereof, said lower flange decreasing in width from the middle of the carline towards the ends thereof.

A patent was inadvertently granted appellant Brewer, while appellee's application was pending in the Patent Office. Appellee sought to have the patent claim added to his case under rule 78 of the Rules of Practice of the Patent Office. This was refused. He then forfeited his application filing a renewal under section 4897 of the Revised Statutes. The claim under the renewal application was allowed and the present interference was instituted. Appellant Brewer failed to file a statement and was ordered to show cause why judgment on the record should not be entered against him. He thereupon moved to dissolve the interference on the ground that appellee has no right to make the claim.

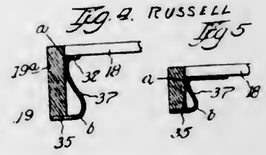
The case turns, we think, as was determined by the tribunals below, upon the right of the party Russell to make the claim in issue. His right is contested on the ground that he does not disclose "a substantially vertical web." For convenience we will reproduce Figures 3 and 4 of the Brewer patent:



It will be observed that the web 1 stands vertical and the top and bottom flanges, 2 and 3, are horizontal. The top and bottom flanges are stiffened by marginal flanges 4 and 5, and the top flange is also stiffened by the corrugations 7. Most important, however, are the vertical corrugations 6 formed in the vertical web 1, thus increasing the vertical load-sustaining capacity. This is aptly described in the Brewer specification as follows:

At the ridge the vertical load on the carline is greater than at the eaves. The vertical depth of the carline may be made greater at the ridge than at the eaves to make the carline better adapted to support this varying vertical load; but the web cannot be made very deep at the ridge without being liable to buckle. In applicant's construction the vertical corrugations stiffen the web and coact with the greater depth at the ridge to make the carline strong and yet light.

Figures 4 and 5 of the Russell application are as follows:



The web 37 is designed to cooperate with the wooden beam 19ª and from the following portion of the specification, it appears that the S-shaped web performs an entirely different function from that designed by Brewer:

The improved structure of carline described in the foregoing specification has certain marked features of advantage among which may be noted * * * the curved web 37 which is arranged at an angle to the perpendicular and is therefore more rigid and offers greater resistance to twisting strains than would be the case were the web vertically arranged.

Both parties seem to be providing against vertical and horizontal stresses by inherently different methods. Brewer's web is in a vertical position to resist vertical strains to a maximum extent, and at the same time provide against horizontal strains through the corrugations 6. Russell's web is corrugated longitudinally requiring that it be placed in an inclined position, in order to take care of both the vertical and longitudinal strains.

The departure here made from the prior art in the nature or distribution of stresses is small. It is a short step forward in a well developed field. The vertical corrugations in the Brewer web increase the strength of the web for vertical load-sustaining purposes, while Russell sacrifices this function by using longitudinal corrugations to strengthen against buckling and torsional stresses. Indeed the only merit in Russell's structure is through co-operation with the wooden beam shown in Figures 4 and 5.

Russell, when he petitioned the Board of Examiners in Chief for a rehearing, conceded—

that the single claim of the Brewer patent is limited to a *vertical* flange and that appellant Russell is not able to make such Brewer claim in terms.

The reason for this admission is apparent, since the essence of his invention lies in the inclination of the web from the vertical line and the rounding thereof into corrugations that merge with the top and bottom flanges. It is not clear how Russell can claim even a "substantially vertical" web. The position of the web is so adverse to such a construction, that we are compelled to hold that he cannot make the claim, and the motion to dissolve should have been sustained.

The decision of the Commissioner is reversed.

Court of Appeals of the District of Columbia.

CHAPMAN *v.* HAMMETT.

No. 1,571. Decided May 7, 1923.

INTERFERENCE—PRELIMINARY STATEMENT—AMENDMENT.

Where C., after he had seen the preliminary statement of his adversary, moved to amend his preliminary statement, alleging that he was without experience in interference proceedings, was not conveniently near his counsel, supposed the statement to be a mere formality, and did not know he would be bound by the dates alleged, that he had no written record, but searched his recollection as well as he was able, and admitted that the work "was done in a hurry and in a cursory manner," *Held* that the motion to amend was properly denied.

Mr. Hugh K. Wagner and *Mr. W. L. Symons* for Chapman.

Mr. A. C. Brown and *Mr. H. F. Riley* for Hammett.

Before SMYTH, Chief Justice, and ROBB and VAN ORSDEL, Associate Justices.

ROBB, *J.*:

Appeal from concurrent decisions of the Patent Office tribunals in an interference proceeding, in which priority of invention was awarded the senior party Hammett.

The invention is simple and relates to—

a method of operating a three phase transformer by a number of its cylinder mechanical engine, the method consisting in alternately firing and lowering the pressure of a fluid within the cylinder when the engine is at rest.

In his original preliminary statement, Chapman alleged conception in May, with disclosure and reduction to practice in December of 1911. About seven months after the filing of this statement and after he had given the preliminary statement of his adversary he filed a motion to amend his preliminary statement upon the grounds that he had been without prior knowledge as to interference proceedings that his counsel was not cognizant of, that he supposed the statement was a mere formality, that he did not know he would be bound by the facts set forth therein, that he did not then know the correct dates and had no witness present, and therefore amended his introduction as well as he was able, and, finally, that the work was done in a hurry and in a cursory manner.

Both of the tribunals of the Patent Office found that, upon the facts alleged, Chapman was not entitled to amend, and in view of the fact that such a question is largely within the discretion of those tribunals, we see no reason for differing with them. However, those tribunals found that, even if the amendment was allowed, the evidence fully warranted the conclusion that Hammond had reduced the invention to practice before the earliest date alleged in the amended statement. A review of the evidence upon which this conclusion is based convinces us that the Patent Office is right. Upon either theory, therefore, the decision must be affirmed.

Court of Appeals of the District of Columbia.

COOPER v. PORTER.

No. 1,571. Decided May 7, 1923.

INTERFERENCE—REDUCTION TO PRACTICE.

Where the point upon which the decision turned was whether there was present an oil well pump in the apparatus installed and used by C. at a certain oil well, *Held*, in view of the positive testimony concerning this particular installation, the evidence as to other elements necessary only in the use of a pump, the object of the test and the considerable period of time covered by it, and the prior use of the pump element in oil wells, that the use of a pump was clearly indicated and that this installation constituted a reduction to practice of the invention.

Mr. A. P. Greeley and *Mr. A. E. Young* for Cooper.

Mr. John F. Heinz and *Mr. W. S. Burns* for Porter.

Before SMYTH, Chief Justice, and ROBB and VAN ORSDEL, Associate Justices.

ROBB, *J.*:

Appeal from a decision of an Assistant Commissioner of Patents in an interference proceeding, overruling the decisions of the Examiner of Interferences and the Board of Examiners in Chief and awarding priority of invention to Porter.

The issue is expressed in ten counts, of which the first here reproduced is illustrative:

1. The combination of an oil well pump, a suction line serving to conduct a flow of oil and gas therefrom, and means connected with said line for separating the oil from the gas said line operative on a pressure reduction across the said pump.

The point upon which the decision turns is whether there was present an oil well pump in the apparatus installed and used by Cooper at the E. S. Fisher Farm Well No. 3.

Porter the senior party, took no testimony and therefore is restricted to his filing date.

All oil well pumps being old, the drawings of neither application specifically disclosed this element, but the claims originated with Cooper. Prior to this invention, the oil was pumped into an open tank, which allowed the escape of gases. The object of the invention is to conserve these gases, and this is accomplished by pumping the oil into a closed tank connected to the usual line extending from the casing head to a vacuum pump, thereby putting the tank and the line carrying the oil to the tank under the same vacuum existing in the casing. Under this construction, the vacuum pump will draw the gases and vapors of volatile hydrocarbons from the tank, so that the gasoline content may be extracted by old methods. That Cooper had a complete conception of the invention when the apparatus of the Fisher farm was installed is clearly apparent, we think, from the evidence. This installation incidentally was made as a test of the invention. Cooper in his testimony said:

> There was a pipe or lead line from the well which was connected from the casing to the top of the tank and it pumped the oil, water and whatever gas came with the oil went into that separating tank, and it was so arranged that the oil dropped from this pipe in the top of the tank to the bottom. There was a hole in the top of the tank, and the pipe connected that to the suction line between the pump and the casing head. That made the same suction on the head that there was at the plant, and made the same vacuum on the casing that there was in the casing. Then the question was to get the oil that was pumped into the head from the well into a line that runs to the line tank and not destroy the vacuum. (Italics ours.)

This and other testimony to the same effect was fully corroborated, and, as found by the lower tribunals, this and the evidence as to other elements necessary only in the use of a pump, clearly indicates that the pump was used. As stated by the Examiners in Chief:

> Incidentally the use of stuffing box and sucker at top of the well tubing show a pump to the same extent as is disclosed by Porter's application as a basis for copying the claims from Cooper's patent. If the pump barrel and plunger were not present there would be no apparent reason for the use of a stuffing box and sucker rod and a cap would probably have been substituted as more efficient and there would, furthermore, be no necessity even for the tubing . . . It is admitted or is obvious that tubings or casings having pump barrels and plungers or valves operated by sucker rods, etc., are well known in the art and that they are operated by the difference in pressure produced beneath the plunger on the upward stroke relative to the atmospheric pressure on the oil or water surface outside the casings. No test of the operation of such a pump is required nor do we think it is essential to test the operation of a pump that differs by the creation of less pressure or suction above the pump plunger which suction obviously assists in raising the oil. The operation is obvious.

In view of the positive testimony concerning this particular installation, the object of the test and the considerable period of time covered by it, and the fact that the pump element was old, we rule that the lower tribunals were right in concluding that this installation constituted a reduction to practice of the invention. We are unable to agree with the Assistant Commissioner that the pumping, which he finds took place—

> may have been effected by suction rather than by a pump in the well

We think such a conclusion inconsistent with the evidence and surrounding circumstances, as fully demonstrated by the lower tribunals.

The decision is reversed and priority awarded Cooper.

Reversed.

Court of Appeals of the District of Columbia.

GUETTLER v. ALFSEN.

No. 1,572. Decided May 7, 1923.

INTERFERENCE—PRIORITY—CERTIFIED COPY OF FOREIGN APPLICATION.

Where priority was awarded to A. by the tribunals below because of a Norwegian application, and the only evidence of the existence of the alleged application consisted in a specification and drawing to which was attached a certificate by the proper Norwegian officials "that the annexed specification and drawing are in *due conformity with* the original specification and drawing which accompanied the patent application," etc., *Held* that this does not certify that the specification and drawing is a correct copy of the original Norwegian application, and priority awarded to G., the senior party.

Mr. Chas. A. Brown, *Mr. A. H. Boettcher*, and *Mr. C. C. Bulkley* for Guettler.

Mr. H. L. Duncan for Alfsen.

Before SMYTH, Chief Justice, and ROBB and VAN ORSDEL, Associate Justices.

VAN ORSDEL, *J.*:

This is an appeal in an interference proceeding from the decision of the Commissioner of Patents awarding priority of invention to the junior party Alfsen.

Appellant Guettler filed his application June 4, 1915, and Alfsen filed September 9, 1915.

It is unnecessary to consider the invention in issue, since the case can be disposed of upon a single question of law. The tribunals below awarded Alfsen priority upon a Norwegian application, filed February 16, 1915. The only evidence of the existence of the alleged application, consists in a specification and drawing to which is attached the following certificate:

CERTIFICATE.

The Norwegian Patent Office hereby certifies that the annexed specification and drawing are in due conformity with the original specification and drawing which accompanied the patent application No. 7411, filed by Adolf August Alfsen, engineer, of Christiania on the 16th day of February, 1915.

Christiania, the 20th of June, 1918.

By authority

[Seal Norwegian Patent Office.] KARL HUSBERG,
Secretary of the Patent Office.

Examined and legalized.

MINISTER OF FOREIGN AFFAIRS.

Christiania, the 21st day of June, 1918.

For the Secretary General:

[Seal Norwegian Foreign Office.] SIGURD BENTZEN.

This does not certify that the specification and drawing is a correct and exact copy of the original Norwegian application. Whether or not one thing is in due conformity with another is a question of fact to be established either by comparison or extraneous proof. We have no facilities for comparison, and no proof, aside from the certificate, was offered to prove that the application in interference is an exact copy of the original application, yet the burden is upon Alfsen the junior party.

The rule governing the certification of documents, to render them admissible as proof of record facts, is well settled. As the court said in *United States Slicing Machine Co.* v. *Wolf, Sayer and Heller, Inc.* (243 Fed., 412):

> The general governing rule is that the official certification of a fact drawn or gathered from a public record is a mere legal conclusion, or the opinion of the certifying officer, and so not admissible as evidence. He should copy the record verbatim, certifying that he has done so, and that the copy is an accurate transcript of the original. (Wigmore, sections 2162, 2165; *Mandel* v. *Swan Land Co.*, 54 Ill., 177; *People ex rel.* v. *Lee*, 112 Ill., 113; *Greer* v. *Ferguson*, 104 Ga., 552; *Hulkins* v. *Bush*, 69 W. Va., 194.)

The New Standard Dictionary defines conformity as "correspondence in form, manner, or use; agreement; harmony; congruity." Examples of use are given as "conformity with established usage; conformity to type; conformity between ideas and substances; conformity in shape." It expresses similarity of different objects or things, but is never used to denote an exact copy or reproduction of a given document or thing.

The copy submitted was certified to on June 2, 1918, as "in due conformity with" an application filed February 16, 1915, more than three years prior to the certification. For aught we know, the original application may have been amended in many particulars and still be in conformity with the one originally filed. Nor can importance be attached to the fact that the drawing in the certified transcript corresponds with the drawing in the application in interference, since the device shown by the drawing is so radically different from the device of Guettler, that Alfsen's right, if any he has, to make the claims of the issue, depends upon the description of the device, and more particularly of its operation, as set forth in the specification. The drawing, therefore, lends nothing to the exactness or verity of the foreign specification.

Inasmuch as Alfsen plants his case upon this certified exhibit, without taking the stand himself or producing a witness familiar with the foreign application, he should be held to the strict rules of evidence. It goes without saying that such a certificate as we have before us, would not be sufficient to justify the admission in evidence of a transcript of a record, however unimportant, in any court in this country; and the rules of evidence here, not of Norway, have controlling force. We see no reason for relaxation of the strict rule in this case.

The decision of the Commissioner is reversed.

Mr. Justice ROBB dissents.

Court of Appeals of the District of Columbia.

MARSHALLTOWN LABORATORIES *v.* BRADY AND HASKINS & WELTON.

No. 1,580. Decided May 7, 1923.

1. TRADE-MARKS—"CELLOSILK"—SALE OF INTEREST IN PARTNERSHIP INCLUDING GOODWILL OF BUSINESS.

Where the mark was originally used by B. and M., who dissolved partnership, B. carrying on the business under the original firm name, and later purchasing the

interest of M., including the goodwill of the business, while M. formed a partnership at Marshalltown, Iowa, and made and sold cellosilk under the name of Marshalltown Laboratories, but did not apply for registration until more than a year after he sold his interest, *Held* that the continuance of the business by B. and his continued use of the mark while M. was in Iowa establishing a competing business, together with the bill of sale conveying the goodwill of the business, clearly establishes the superior right of B. and his successors in business to the use of the mark.

2. SAME—USE OF THE EXPRESSION "GOODWILL" IN A BILL OF SALE.

The expression "goodwill" in a bill of sale, conveying a business having trade-mark rights, in the absence of qualifications will carry with it the right to the purchaser to use the mark in the further conduct of the business.

Mr. C. R. Allen and *Mr. E. T. Fenwick* for Marshalltown Laboratories.

Mr. R. O. Hinkle for Brady and Haskins & Welton.

Before SMYTH, Chief Justice, and ROBB and VAN ORSDEL, Associate Justices.

VAN ORSDEL, *J.*:

This appeal is from the decision of the Commissioner of Patents in a trade-mark interference, adjudging appellees to be the owner of the trade-mark "Cellosilk" for surgical dressings, and entitled to registration thereof.

The mark was originated and used in 1917 by George W. Brady & Co., a partnership consisting of George W. Brady and W. W. Merritt, jr. The business was carried on at Chicago, Ill., until July, 1918, when one Cooper of Marshalltown, Iowa, opened negotiations for the purchase of Brady's interest in the company. While these negotiations were pending, on July 13, 1918, Brady and Merritt dissolved partnership. No provision, however, was made for the disposal of the partnership assets.

The negotiations with Cooper failed. Merritt in the fall of 1918 went to Marshalltown, Iowa, Brady remained in Chicago and carried on the cellosilk business under the original firm name. Subsequently in June, 1919, Brady purchased the interest of Merritt, the bill of sale including the goodwill of the business. Brady continued to carry on the business until February, 1920, when he sold the cellosilk business including the trade-mark to Haskins and Welton, who continued to use the mark. In August, 1918, Merritt, Cooper and others, formed a partnership at Marshalltown, Iowa, and made and sold cellosilk under the name of Marshalltown Laboratories. Merritt subsequently sold out his interest in the concern, which was later sold in its entirety to appellant company. It was almost a year after Brady organized appellee company before appellant company applied for registration.

[1] The continuance of the business by Brady after the dissolution of the partnership between Brady and Merritt, and the continued use of the mark while Merritt was in Marshalltown, Iowa, establishing a competing business, together with the bill of sale conveying the goodwill of the business to appellees, clearly establishes the superior right of appellees to the use of the mark.

[2] We think that the transactions between Brady and Merritt were such as to imply an absolute conveyance of the interest of Merritt in the whole business, including the trade-mark, to Brady and his successors in interest. The expression "goodwill" in a bill of sale, conveying a business having trade-mark rights, in the absence of qualifications, will carry with it the right to the purchaser to use the mark in the further conduct of the business.

The decision of the Commissioner awarding registration to appellees is affirmed.

The decision of Assistant Commissioner Fenning, rendered in this case July 6, 1922, is as follows:

This is an interference between two applicants for the registration of the same trade-mark for the same class of goods. Marshalltown Laboratories appeal from an award of ownership to Haskins & Welton, who claim title from one Brady.

The facts are carefully set out by the Examiner of Interferences. Appellant files here a brief of 13 pages, which contains no single citation to a page of the hundred and fifty page records, so that some of the statements can not be verified. There seems little dispute as to facts, and the statement of the Examiner of Interferences seems justified by the record. One Merritt had experimented with the manufacture of the goods in question and had determined to adopt the mark in issue early in 1917; but there was no commercial use of the mark. Consequently it was not reduced to possession prior to October, 1917, when Merritt entered into a partnership agreement with Brady for the manufacture and sale of the goods bearing the mark in question. This firm proceeded to sell the goods, and therefore reduced the mark to possession. In 1918 the firm was dissolved, although Brady continued in possession of the premises and materials and continued to conduct the business. Merritt, however, abandoned the business and went to Marshalltown, Iowa, where with one Cooper and others he proceeded to establish a new business, manufacturing the same class of goods, and selling them under the mark which Brady was using. Cooper made an unsuccessful effort to purchase Brady's interest. The two organizations continued. In April, 1919, Merritt withdrew from the Marshalltown organization, which in July, 1919, was incorporated as the Marshalltown Laboratories under the applicants here. In July, 1919, Merritt sold to Brady certain assets of the original partnership between Brady and Merritt, including "goodwill." This seems to have been in settlement of the matter which had been left open since Merritt deserted Brady in 1918. Subsequently Brady sold his business, goodwill and rights to Haskins & Welton, one of the applicants here.

It seems clear that the mark was first used in the business of Merritt and Brady, and that that business has been continued and is now in the possession of Haskins & Welton, who are consequently entitled to register the trade-mark. In the absence of a very clear agreement or understanding, Merritt had no right to establish another business in

which the mark was to be used. There is no such showing here.

The case of *Greacen* v. *Bell* (115 Fed. Rep., 553) is cited to show that a mark may belong to one partner of a firm who may retain possession of it after he leaves the firm; but in that case the conditions were unlike those in the present case in several particulars. There the partner who left the business had himself established the business and contributed the going business and trade-mark to the partnership.

It is suggested that when Merritt left Brady the trade-mark was abandoned and the partners were free to engage in a scramble for possession of the mark and that Merritt seized it first. It appears, however, that Brady remained at the old stand with the business and that the mark was not abandoned.

The Examiner of Interferences is affirmed, and the mark will be registered to Haskins & Welton.

Court of Appeals of the District of Columbia.

IN RE PETERS.

No. 1,586. Decided May 7, 1923.

1. CLAIMS—ATTEMPTED LIMITATION OF STRUCTURAL CLAIM INCLUDING A CONTAINER BY SPECIFYING AMOUNT OF MATERIAL THEREIN.

Where the invention relates to a stirring apparatus for slaking lime and includes a troughlike tub through which extends longitudinally a sleeve from which arms extend downward, sufficient lime and water being placed in the tub while in use to completely cover the arms at all times, *Held* that an attempted limitation in the structural claims of the arms beneath the surface of the material treated belonged to the process rather than structure, the amount of material in the container having nothing to do with the structural characteristics.

2. ANTICIPATION—APPLICATION OF REFERENCES.

Where two patents were cited in anticipation of the invention described in the foregoing paragraph, one for slaking lime, in which the broad function ascribed to applicant's structure is carried out and the other for mixing bread dough, in which the structural characteristics of applicant's claimed device are disclosed, the decision of the Commissioner denying the application for a patent was affirmed.

Mr. Robert D. Totten for Peters.

Mr. T. A. Hostetler for the Commissioner of Patents.

Before SMYTH, Chief Justice, and ROBB and VAN ORSDEL, Associate Justices.

VAN ORSDEL, *J.*:

This appeal is from the decision of the Commissioner of Patents denying appellant's application for a patent.

The alleged invention relates to a stirring apparatus for slaking lime. It consists of a troughlike tub through which extends a shaft longitudinally upon which is mounted a sleeve from which extends downward staggered arms. The sleeves and arms are oscillated by power means which operates the shaft. The oscillation of the sleeves and arms is limited in operation to a radius below the line of the shaft. In use, sufficient lime and water are placed in the tub to completely cover the arms at all times in their movement so that no lime may be carried by the arms into contact with the air.

Two patents are cited in anticipation of appellant's inventor. A patent to one Osburn, March 1, 1904, discloses a machine for mixing substances and liquids into a plastic state. It is especially adapted for mixing bread dough. The beaters are mounted rigidly upon a shaft which is oscillated by power means similar to that used in appellant's device.

A patent to one Rennyson, December 11, 1894, discloses a device for slaking lime. The lime and water in the receptacle are stirred by means of stirring plates on radial arms. In the Rennyson device the receptacle is air-tight excepting a hopper entrance through which the materials are fed into the receptacle. It is described in the specification as follows:

> The top of the slaker casing is air-tight except at the entrance of hopper C thereto and at this point the body of lime in the hopper will prevent access of air.

[1, 2] The attempted limitation in the structural claims of the arms beneath the surface of the material treated, belongs to process rather than structure. The amount of material in the container has nothing to do with the structural characteristics. We agree with the Examiner that—

> the broad function ascribed to applicant's structure is carried out in the structure of Rennyson. The structural characteristics of applicant's claimed device are disclosed in the patent of Osburn.

The decision of the Commissioner is affirmed.

Court of Appeals of the District of Columbia.

WALDES & CO. *v.* RADEN BROTHERS.

No. 1,582. Decided May 7, 1923.

TRADE-MARKS—"REGAL"—PRIORITY.

A foreign firm relying on its earlier filing date could not defeat the property right which a domestic company with a later filing date had acquired in the mark prior to such earlier filing date where it was shown that several years before such earlier filing date the domestic company had purchased goods from the foreign firm upon condition that the company's mark would be placed upon the cards to which the articles were to be attached.

Mr. Hans V. Briesen for Waldes & Co.

Mr. I. J. Farley for Raden Bros.

Before SMYTH, Chief Justice, and ROBB and VAN ORSDEL, Associate Justices.

VAN ORSDEL, *J.*:

This appeal is from the decision of the Commissioner of Patents in a trade-mark interference, awarding priority to appellee, Raden Brothers, a New York firm.

The mark in issue consists of the word "Regal," used as a trade-mark on cards to which are attached snap buttons used for garment fasteners. Appellant, Waldes & Co., a firm doing business in Bohemia, Austria, filed an application for the mark November 4, 1913, on which registration was granted July 14, 1914. Appellee filed its application October 22, 1920.

Appellant company relied upon its filing date and took no testimony. Appellee submitted proof which established the use of the mark in connection with snap fasteners, buttons, etc., long prior to appellant's filing date. It appears from the testimony

on behalf of appellee that an order was given appellant company for snap fasteners in 1909 and 1910, upon the condition that appellant company would place upon the cards, to which the fasteners were to be attached, appellee's trade-mark "Regal." The testimony also shows that an order was placed with a Mr. Prym of Stolberg, Germany, prior to the order given Waldes & Co., and that both orders were filled with snap fasteners mounted on cards containing the mark "Regal." It, therefore, appears that appellant company possessed knowledge of appellee's use of the mark prior to its filing date, the earliest date claimed by it in this case. Appellant company could not lawfully appropriate the knowledge thus obtained to defeat the property right appellee company had acquired in the mark.

In this state of the testimony we find no reason to disturb the decision reached in the Patent Office.

The decision of the Commissioner is affirmed.

PATENT SUITS.

[Notices under section 4921, Revised Statutes, as amended February 18, 1922.]

834,063, Kearney & Trecker, Means for lubricating machine tools, suit filed July 27, 1923, D. C., S. D. Ohio, Doc. 318, *Kearney & Trecker Corp.* v. *The Cincinnati Milling Machine Co.*

919,879, H. C. Karr, Watch-holding clock case, suit filed July 20, 1923, D. C., S. D. N. Y., Doc. E 27/35, *The Keystone Watch Case Co.* v. *Aisinstein-Wornock & Sons, Inc.*

958,478, W. E. Davey, Process of reinforcing trees, consent decree entered July 30, 1923. Final injunction enjoining and restraining defendant, D. C., S. D. Ill., *The Davey Tree Expert Co.* v. *W. E. Conkel.*

1,002,527, O. Kuika, Oil-cooled transformers, suit filed July 9, 1923, D. C., S. D. Ohio, Doc. 315, *General Electric Co.* v. *The Peters Cartridge Co. et al.*

1,004,505, A. V. L. Verneuil, Synthetic sapphire, suit filed July 17, 1923, D. C., S. D. N. Y., Doc. E 27/28, *L. Heller & Son, Inc.*, v. *L. Jacobskind.*

1,004,847, L. S. Brach, Composition of matter, suit filed July 30, 1923, D. C., S. D. N. Y., Doc. E 27/52, *The Selderall Co.* v. *S. J. Griswold (Hamilton Hardware Co.).*

1,009,502, R. Goldman, Skylight, suit filed July 19, 1923, D. C., D. Conn., Doc. E 166S, *Superior Skylight Co., Inc.*, v. *J. W. Walsh.*

1,018,502, Just & Hanamam, Incandescent bodies for electric lamps, suit filed July 31, 1923, D. C., S. D. N. Y., Doc. E 27/63, *General Electric Co.* v. *Fire Seas Trading Corp. et al.*

1,054,219, J. H. Lehman, Electrical switches, suit filed July 2, 1923, D. C., E. D. Wis., Doc. C. D. 1341, *Ecco Mfg. Co.* v. *Nelson Timer Co.*

1,058,285, L. A. Young, Upholstery-spring construction; 1,428,701, same, O. A. Michelis, Wire loop; 1,439,891, J. T. Holtfoth, Spring-cushion structures, suit filed July 28, 1923, D. C., E. D. Mich. (S. D.), Doc. 599, *L. A. Young Industries, Inc.*, v. *Reynolds Spring Co.*

1,081,097, W. S. Daniels, Flower holder, suit filed July 3, 1923, D. C., S. D. N. Y., Doc. 27/10, *W. S. Daniels* v. *Edelman & Smythe (Wadley & Smythe).*

1,082,784, A. A. West, Hair curler, suit filed July 27, 1923, D. C., S. D. N. Y., Doc. E 27/50, *West Electric Hair Curler Co.* v. *New York Merchandise Co.*

1,092,870, Spillman & Mooers, Piston for explosion engines or motors, suit filed July 18, 1923, D. C., S. D. N. Y., Doc. E 27/32, *The Cleveland Trust Co.* v. *The National Piston Co., Inc.*

1,126,379, A. A. Brown, Trousers, suit filed July 13, 1923, D. C., S. D. N. Y., Doc. E 27/20, *Brown Method Co., Inc.*, v. *M. H. Joseph & Co.*

1,203,482, 1,204,245, E. G. Carr, Concrete tamper, suit filed October 19, 1920, D. C., E. D. Wis., Doc. C. D. 1033, *E. G. Carr et al.* v. *G. Maxon, jr.* Final decree for plaintiffs June 26, 1923.

1,204,245. (See 1,203,482.)

1,337,887, J. K. Delano, Starting device for internal-combustion engines, suit filed July 14, 1923, D. C., S. D. N. Y., Doc. E 27/23, *J. K. Delano* v. *Algonquin Electric Mfg. Corp.*

1,383,610, I. W. Doremus, Game, suit filed July 3, 1923, D. C., S. D. N. Y., Doc. E 27/9, *Doremus Schoen & Co., Inc.*, v. *A. Kahn et al. (Detroit Flag and Mfg. Co.) and R. P. Harlan.*

1,395,298. (See 1,412,966.)

1,412,966, 1,395,298, W. H. Richman, Containers, suit filed July 10, 1922, D. C., E. D. Wis., Doc. C. D. 1247, *J. Wood Mfg. Co. et al.* v. *Geuder Paeschke & Frey Co. et al.* Decision in favor of defendants dismissing bill for want of equity June 6, 1923.

1,428,701. (See 1,058,285.)

1,439,891. (See 1,058,285.)

1,449,183, J. E. Johnstone, Baseball mask, suit filed April 19, 1923, D. C., S. D. Ohio, Doc. E 302, *J. E. Johnstone* v. *The P. Goldsmith Sons Co.* Same, May 5, 1923, D. C., S. D. Ohio, Doc. E 304, *J. E. Johnstone* v. *J. A. Spinney.* Interlocutory decree entered for plaintiff July 28, 1923.

1,449,559, W. B. So Relle, Game club, suit filed July 12, 1923, D. C., S. D. N. Y., Doc. E 27/19, *C. McGregor et al.* v. *T. E. Wilson.*

Re. 10,049, T. Russell, Commode chairs, suit filed January 5, 1920, D. C., N. D. Ohio (W. D.), Doc. 519, *Tee Pee Rubber Co.* v. *The I. T. S. Rubber Co.* Decree after mandate from U. S. Circuit Court of Appeals. Bill dismissed. I. T. S. Rubber Co. declared lawful owner. Tee Pee Rubber Co. perpetually enjoined June 18, 1923.

TRADE-MARKS

OFFICIAL GAZETTE, SEPTEMBER 4, 1923.

[VOL. 314. No. 1.]

The following trade-marks are published in compliance with section 6 of the act of February 20, 1905, as amended March 2, 1907. Notice of opposition must be filed within thirty days of this publication.

Marks applied for "under the ten-year proviso" are registrable under the provision in clause (b) of section 5 of said act as amended February 18, 1911.

As provided by section 14 of said act, a fee of ten dollars must accompany each notice of opposition.

Ser. No. 129,731. (CLASS 21. ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES.) THE LIONEL CORPORATION, New York, N. Y. Filed Mar. 15, 1920.

MULTIVOLT

Particular description of goods.—Toy Transformers for Toy Electric Vehicles and Trains.

Claims use since about February, 1915.

Ser. No. 131,987. (CLASS 12. CONSTRUCTION MATERIALS.) STANDARD ASPHALT & REFINING COMPANY, Jersey City, N. J., and Chicago, Ill. Filed May 3, 1920.

SARCO

Particular description of goods.—Pipe Coating, Acidproof Tank Lining, Expansion Joint, Refrigerator Compound.

Claims use since January, 1908.

Ser. No. 140,437. (CLASS 9. EXPLOSIVES, FIREARMS, EQUIPMENTS, AND PROJECTILES.) JONKOPING OCH VULCANS TANDSTICKSFABRIKSAKTIEBOLAG, Jonkoping, Sweden. Filed Nov. 30, 1920.



No claim is made to the words "Safety Match, Manufactured in Sweden" apart from the trade-mark shown on the drawing, applicant reserving his common-law rights thereto.

Particular description of goods.—Matches.

Claims use since about Apr. 6, 1911.

Ser. No. 140,439. (CLASS 9. EXPLOSIVES, FIREARMS, EQUIPMENTS, AND PROJECTILES.) JONKOPING OCH VULCANS TANDSTICKSFABRIKSAKTIEBOLAG, Jonkoping, Sweden. Filed Nov. 30, 1920.



No claim is made to the words "Safety Matches, Manufactured in Sweden" apart from the trade-mark shown on the drawing, applicant reserving his common-law rights thereto.

Particular description of goods.—Matches.

Claims use since about July 19, 1907.

Ser. No. 140,444. (CLASS 9. EXPLOSIVES, FIREARMS, EQUIPMENTS, AND PROJECTILES.) JONKOPING OCH VULCANS TANDSTICKSFABRIKSAKTIEBOLAG, Jonkoping, Sweden. Filed Nov. 30, 1920.



No claim is made to the words "Safety Match, Made in Sweden" apart from the trade-mark shown on the drawing, applicant reserving his common-law rights thereto.

Particular description of goods.—Matches.

Claims use since about Apr. 23, 1906.

Ser. No. 140,446. (CLASS 9. EXPLOSIVES, FIREARMS, EQUIPMENTS, AND PROJECTILES.) JONKOPING OCH VULCANS TANDSTICKSFABRIKSAKTIEBOLAG, Jonkoping, Sweden. Filed Nov. 30, 1920.



No claim is made to the words "Made at Tidaholm, Sweden, Tandstickor" apart from the trade-mark shown on the drawing, applicant reserving his common-law rights thereto.

Particular description of goods.—Matches.

Claims use since about Dec. 27, 1905.

Ser. No. 140,447. (CLASS 9. EXPLOSIVES, FIREARMS, EQUIPMENTS, AND PROJECTILES.) JONKOPING OCH VULCANS TANDSTICKSFABRIKSAKTIEBOLAG, Jonkoping, Sweden. Filed Nov. 30, 1920.



No claim is made to the words "Made at Wenersborg in Sweden, Paraffin Matches, Trade-Mark" apart from the trade-mark shown on the drawing, applicant reserving his common-law rights thereto.

Particular description of goods.—Matches.

Claims use since about Feb. 6, 1905.

Ser. No. 140,449. (CLASS 9. EXPLOSIVES, FIREARMS, EQUIPMENTS, AND PROJECTILES.) JONKOPING OCH VULCANS TANDSTICKSFABRIKSAKTIEBOLAG, Jonkoping, Sweden. Filed Nov. 30, 1920.



No claim is made to the words "Safety Matches, Manufactured at Anneberg in Sweden" apart from the trade-mark shown on the drawing, applicant reserving his common-law rights thereto.

Particular description of goods.—Matches.

Claims use since about Dec. 15, 1906.

Ser. No. 140,450. (CLASS 9. EXPLOSIVES, FIREARMS, EQUIPMENTS, AND PROJECTILES.) JONKOPING OCH VULCANS TANDSTICKSFABRIKSAKTIEBOLAG, Jonkoping, Sweden. Filed Nov. 30, 1920.



No claim is made to the words "Safety Match, Made in Sweden" apart from the trade-mark shown on the drawing.

Particular description of goods.—Matches.

Claims use since about Mar. 5, 1902.

Ser. No. 140,452. (CLASS 9. EXPLOSIVES, FIREARMS, EQUIPMENTS, AND PROJECTILES.) JONKOPING OCH VULCANS TANDSTICKSFABRIKSAKTIEBOLAG, Jonkoping, Sweden. Filed Nov. 30, 1920.



No claim is made to the words "Safety Matches, Made in Sweden" apart from the trade-mark shown on the

drawing, applicant reserving his common-law rights thereto. The medals shown as a part of the mark presented are the representation of medals received by the applicant as an award for the excellence of its goods.

Particular description of goods.—Matches.

Claims use since about Apr. 24, 1912.

Ser. No. 140,453. (CLASS 9. EXPLOSIVES, FIREARMS, EQUIPMENTS, AND PROJECTILES.) JONKOPING OCH VULCANS TANDSTICKSFABRIKSAKTIEBOLAG, Jonkoping, Sweden. Filed Nov. 30, 1920.



No claim is made to the words "Safety Matches, Made in Sweden" apart from the trade-mark shown on the drawing, applicant reserving his common-law rights thereto.

Particular description of goods.—Matches.

Claims use since about Dec. 24, 1912.

Ser. No. 140,454. (CLASS 9. EXPLOSIVES, FIREARMS, EQUIPMENTS, AND PROJECTILES.) JONKOPING OCH VULCANS TANDSTICKSFABRIKSAKTIEBOLAG, Jonkoping, Sweden. Filed Nov. 30, 1920.



No claim is made to "Säkerhets Tändstickor, Manufactured in Sweden, Paraffinerade, Tändsticksfabriks, Trade-Mark" apart from the trade-mark shown on the drawing, applicant reserving his common-law rights thereto. The medals shown as part of the mark presented are the representation of medals received by the applicant as an award for the excellence of its goods.

Particular description of goods.—Matches.

Claims use since about Apr. 26, 1894.

Ser. No. 140,456. (CLASS 9. EXPLOSIVES, FIREARMS, EQUIPMENTS, AND PROJECTILES.) JONKOPING OCH VULCANS TANDSTICKSFABRIKSAKTIEBOLAG, Jonkoping, Sweden. Filed Nov. 30, 1920.



No claim is made to the words "Non-Poisonous, Non-Glowing, Made in Sweden, Special Safety Match, Regd. Trade-Mark" apart from the trade-mark shown on the drawing, applicant reserving his common-law rights thereto.

Particular description of goods.—Matches.

Claims use since about Feb. 3, 1909.

Ser. No. 140,457. (CLASS 9. EXPLOSIVES, FIREARMS, EQUIPMENTS, AND PROJECTILES.) JONKOPING OCH VULCANS TANDSTICKSFABRIKSAKTIEBOLAG, Jonkoping, Sweden. Filed Nov. 30, 1920.



No claim is made to the words "Uddevalla Tändsticksfabriks Sweden, Säkerhets-Tändstickor, Swedish Safety Matches, Schwedische Zündhölzer, Registered Trade Mark." The medals shown as part of the mark presented are the representation of medals received by the applicant as an award for the excellence of its goods.

Particular description of goods.—Matches.

Claims use since about Feb. 15, 1886.

Ser. No. 140,458. (CLASS 9. EXPLOSIVES, FIREARMS, EQUIPMENTS, AND PROJECTILES.) JONKOPING OCH VULCANS TANDSTICKSFABRIKSAKTIEBOLAG, Jonkoping, Sweden. Filed Nov. 30, 1920.



No claim is made to the words "Safety Match, Made in Sweden" apart from the trade-mark shown on the

drawing, applicant reserving his common-law rights thereto. The medals shown as part of the mark presented are the representation of medals received by the applicant as an award for the excellence of its goods.

Particular description of goods.—Matches.

Claims use since about Jan. 11, 1897.

Ser. No. 141,284. (CLASS 10. FERTILIZERS.) U. S. INDUSTRIAL CHEMICAL CO., Baltimore, Md. Filed Dec. 18, 1920.

VIGORIZANTE

Particular description of goods.—Fertilizers.

Claims use since Nov. 30, 1923.

Ser. No. 143,017. (CLASS 35. BELTING, HOSE, MACHINERY PACKING, AND NONMETALLIC TIRES.) SPYROSEAL MANUFACTURING COMPANY, St. Louis, Mo. Filed Jan. 31, 1921.

SPYROSEAL

Particular description of goods.—Piston Rings.

Claims use since Aug. 1, 1920.

Ser. No. 144,720. (CLASS 44. DENTAL, MEDICAL, AND SURGICAL APPLIANCES.) HASKINS & WELTON, Chicago, Ill., assignor to Welton & Company, Chicago, Ill., a Partnership. Filed Mar. 14, 1921.

CELLOSILK

Trade-mark consists of the word "Cellosilk."

Particular description of goods.—Chemical Tissue for Use as a Surgical Dressing.

Claims use since October, 1917.

Ser. No. 151,581. (CLASS 21. ELECTRICAL APPARATUS, MACHINES AND SUPPLIES.) INDIANAPOLIS MANUFACTURING COMPANY, Indianapolis, Ind. Filed Aug. 9, 1921.

INDIANAPOLIS SEPARATORS

No claim is made to the word "Indianapolis" or to the word "Separator" or to the representation of a separator aside from their use in connection with the trade-mark as shown.

Particular description of goods.—Electric-Battery Separators.

Claims use since about Mar. 1, 1921.

Ser. No. 153,352. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) KAFEX, INCORPORATED, New York, N. Y. Filed Sept. 26, 1921.

KAFEX

Particular description of goods.—Coffee Substitute.

Claims use since about Mar. 25, 1921.

Ser. No. 153,386. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) "CÉRÈS" DOCKS, MINOTERIE, SEMOULERIE, PATES ALIMENTAIRES, Nice, France. Filed Sept. 26, 1921.

CÉRÈS

Particular description of goods.—Semolinas, Rices, Alimentary Pastes, and Biscuits.

Claims use since Apr. 1, 1921.

Ser. No. 153,441. (CLASS 35. BELTING, HOSE, MACHINERY PACKING, AND NONMETALLIC TIRES.) ALBERT B. CHANCE, doing business as Chance Company, Centralia, Mo. Filed Sept. 28, 1921.

RAPID DOS

No claim is made to the word "Rapid" apart from the mark shown.

Particular description of goods.—Piston Rings.

Claims use since 1920.

Ser. No. 154,893. (CLASS 12. CONSTRUCTION MATERIALS.) UNITED ALLOY STEEL CORPORATION, New York, N. Y., and Canton, Ohio. Filed Nov. 1, 1921.

METAL LUMBER

Particular description of goods.—Rolled, Pressed, and Formed Channels and L-Channels, Both Separately and Joined to Form I-Beams, U-Channels, Angles, L-Angles, and Z-Angles, Made from Steel Strips for Use in Building Construction as Sills, Joists, Studs, Furring, and Ridges.

Claims use since 1908.

Ser. No. 158,592. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) MARGERY A. BANNING, Evanston, Ill. Filed Jan. 30, 1922.

GINGER-BREAD FARMS

No exclusive right to the words "Ginger-Bread" is claimed apart from the mark shown on the drawing.

Particular description of goods.—Ginger Bread and Ginger Cookies.

Claims use since Jan. 21, 1922.

Ser. No. 158,664. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) THE WOOLSON SPICE CO., Toledo, Ohio. Filed Jan. 30, 1922.

De Luxe

Particular description of goods.—Teas and Spices.

Claims use since Aug. 1, 1920.

Ser. No. 159,533. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) SAMUEL N. SPERBER, doing business as Evertasty Confection Co., Albany, N. Y. Filed Feb. 18, 1922.

EVER TASTY

Particular description of goods.—Confection in Bar Form Comprising Fruits, Nuts, Pop Corn, and a Suitable Binder

Claims use since Sept. 15, 1921.

Ser. No. 160,371. (CLASS 39. CLOTHING.) THE SALT'S TEXTILE MANUFACTURING COMPANY, Bridgeport, Conn. Filed Mar. 8, 1922.

"DUVETTE"

Trade-mark consists of the word "Duvette."

Particular description of goods.—Women's, Children's, and Infants' Coats, Cloaks, Wraps, Capes, Suits, Costumes, Dresses, Waists, Skirts, Hats, and Bath Robes, Lounging Robes, and Smoking Jackets.

Claims use since Feb. 1, 1922.

Ser. No. 161,792. (CLASS 4. ABRASIVE, DETERGENT, AND POLISHING MATERIALS.) POLAND SOAP WORKS, Anniston, Ala. Filed Apr. 5, 1922.

QUALITY POLANA

No claim is made to the exclusive use of the word "Quality."

Particular description of goods.—Washing Powder, Oil Soap, Liquid Soap, Chip Soap, Laundry Soap, Soap Stock, and Green Soap.

Claims use since May 7, 1921.

Ser. No. 162,435. (CLASS 39. CLOTHING.) MARY D. NEILSON, doing business as The Anne Meridie Company, Minneapolis, Minn. Filed Apr. 17, 1922.

WUNDERWEAR

Particular description of goods.—Men's, Women's, and Children's Underwear of Textile Fabric.

Claims use since Feb. 24, 1922.

Ser. No. 162,436. (CLASS 39. CLOTHING.) MARY D. NEILSON, doing business as The Anne Meridie Company, Minneapolis, Minn. Filed Apr. 17, 1922.

ANNE MERIDIE

WUNDERWEAR

Particular description of goods.—Men's, Women's, and Children's Underwear of Textile Fabric.

Claims use since Feb. 24, 1922.

Ser. No. 162,545. (CLASS 39. CLOTHING.) GREATER MANHATTAN KNITTING MILLS, INC., New York, N. Y. Filed Apr. 19, 1922.

Babe Ruth

The mark shown in the drawing is a facsimile of the signature of "Babe Ruth."

Particular description of goods.—Boys' and Men's Sweaters.

Claims use since Mar. 20, 1922.

Ser. No. 162,732. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) A. GOODMAN & SONS, INC., New York, N. Y. Filed Apr. 22, 1922.

MIDGETEA

Particular description of goods.—Matzoths.

Claims use since Mar. 1, 1922.

Ser. No. 162,991. (CLASS 21. ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES.) GRIGSBY-GRUNOW-HINDS CO., Chicago, Ill. Filed Apr. 27, 1922.

REELEX

Particular description of goods.—Reels of Electric Connecting Conductors for Use with Automobile Spotlights or for Similar Purposes.

Claims use since Feb. 23, 1922.

Ser. No. 163,688. (CLASS 2. RECEPTACLES.) MANNESMANNRÖHREN WERKE, Dusseldorf, Germany. Filed May 11, 1922.

Particular description of goods.—Ammonia, Chlorine, Hydrogen, Oxygen, and Carbon-Dioxide Cylinders; Bottles, Flasks, Cylinders, and Tanks for Compressed and Fluid Gases, Chemicals, Etc.; Metal Vats, Reservoirs, Buckets, Ash Barrels, Match Boxes; Steel Barrels and Drums for All Purposes.

Claims use since November, 1912.

Ser. No. 163,702. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) SANTA PAULA CITRUS FRUIT ASSOCIATION, Santa Paula, Calif. Filed May 11, 1922.

SUNSIDE

Particular description of goods.—Fresh Lemons.
Claims use since Dec. 12, 1905.

Ser. No. 164,075. (CLASS 21. ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES.) RADIOCEIVE MANUFACTURING COMPANY, Newark, N. J. Filed May 18, 1922.

RADIOCEIVE

Particular description of goods.—Telephone Head Sets.
Claims use since Apr. 1, 1922.

Ser. No. 164,181. (CLASS 5. ADHESIVES.) M'CAW, STEVENSON & ORR, LTD., Belfast, Ireland. Filed May 20, 1922.

FIRMAS

Particular description of goods.—Adhesives—Namely, Adhesive Preparation for Mending Articles of Glass, China, Delf, and the Like.
Claims use since Dec. 31, 1906.

Ser. No. 165,352. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) CALIFORNIA AND HAWAIIAN SUGAR REFINING CORPORATION, San Francisco, Calif. Filed June 12, 1922.

"Concentrated Sunshine"

Particular description of goods.—Sugar.
Claims use since May 26, 1922.

Ser. No. 165,365. (CLASS 21. ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES.) THE ELECTRICAL ALLOY COMPANY, Morristown, N. J. Filed June 12, 1922.

KARMA

Trade-mark "Karma."
Particular description of goods.—Electric Resistance Materials—Namely, Wires, Rods, Strips, and Ribbons.
Claims use since October, 1920.

Ser. No. 165,459. (CLASS 16. PAINTS AND PAINTERS' MATERIALS.) CHARLES DRABEK, doing business as Painters Supply Co., Cleveland, Ohio. Filed June 22, 1922.

PASCO

Particular description of goods.—Ready-Mixed Paints, Varnishes, Paint Enamels, Stains for Painted and Lacquered Surfaces.
Claims use since January, 1921.

Ser. No. 166,150. (CLASS 26. MEASURING AND SCIENTIFIC APPLIANCES.) RADIOGRAMS, INC., Hollywood, Calif. Filed June 27, 1922.

RADIOGRAMS

Particular description of goods.—Motion-Picture Films.
Claims use since June 18, 1922.

Ser. No. 166,316. (CLASS 50. MERCHANDISE NOT OTHERWISE CLASSIFIED.) MILITARY ORDER OF THE COOTIE, New York and Brooklyn, N. Y. Filed June 30, 1922.

COOTIE

Particular description of goods.—Cuts, Emblems, and Collar Devices.
Claims use since on or about Sept. 1, 1920.

Ser. No. 166,558. (CLASS 15. OILS AND GREASES.) GILMORE PETROLEUM COMPANY, Los Angeles, Calif. Filed July 7, 1922.



Applicant disclaims the exclusive right to the use of the words "Refined in U. S. A. by, Los Angeles, California" apart from the mark as shown.
Particular description of goods.—Kerosene and Lubricating Oils.
Claims use since Dec. 1, 1921.

Ser. No. 166,839. (CLASS 35. BELTING, HOSE, MACHINERY PACKING, AND NONMETALLIC TIRES.) THE MANHATTAN RUBBER MFG. CO., Passaic, N. J. Filed July 13, 1922.

Hycoe

Particular description of goods.—Brake Lining.
Claims use since June 3, 1922.

Ser. No. 167,663. (CLASS 39. CLOTHING.) SOLOMON MFG. CO., St. Louis, Mo. Filed July 31, 1922.

KNICKERETTE

Particular description of goods.—Children's, Misses', and Women's Wearing Apparel Commonly Known as Knickerbockers.
Claims use since July 1, 1922.

Ser. No. 167,671. (CLASS 28. JEWELRY AND PRECIOUS-METAL WARE.) T. N. BENEDICT MFG. CO., East Syracuse, N. Y. Filed Aug. 1, 1922.

ESC

Trade-mark consists of the monogram "ESCO."
Particular description of goods.—Silver-Plated Table and Hollow Ware and Articles Plated with Precious Metals, as Follows: Tea Sets, Coffee Sets, Trays, Cups, Plates, Casseroles, Bowls, Vegetable Dishes, Bonbon Dishes, Vases, Cracker and Cheese Dishes, Crumb Sets, Candlesticks, and Pitchers.
Claims use since on or about July 1, 1918.

Ser. No. 168,332. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) THE NEW ZEALAND CO-OPERATIVE DAIRY COMPANY LIMITED, Hamilton, New Zealand. Filed Aug. 16, 1922.



Particular description of goods.—Butter and Cheese.
Claims use since 1913.

Ser. No. 168,357. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) D'ORLANDO & CO. LTD., Boston, Mass. Filed Aug. 17, 1922.

BALDWIN



Particular description of goods.—Candy and Chocolates.
Claims use since Jan. 1, 1921.

Ser. No. 168,422. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) KINGS COUNTY PACKING CO., Armona, Calif. Filed Aug. 18, 1922.

RED TOT

Particular description of goods.—Canned Fruits.
Claims use since 1916.

Ser. No. 168,605. (CLASS 16. PAINTS AND PAINTERS' MATERIALS.) GOLD MEDAL WATER-PROOFING CO., Oakland, Calif. Filed Aug. 23, 1922.



Particular description of goods.—Ready-Mixed and Paste Paints.
Claims use since 1912.

Ser. No. 168,753. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) L. C. CHAN & COMPANY, San Francisco, Calif. Filed Aug. 28, 1922.

GOLDEN GATE

Particular description of goods.—Chop-Suey Sauce
Claims use since July 28, 1922.

Ser. No. 169,130. (CLASS 15. OILS AND GREASES.) HERCULES GASOLINE CO., Los Angeles, Calif. Filed Sept. 6, 1922.

VULCULES

Particular description of goods.—Gasoline, Kerosene Petroleum Distillates, Fuel Oils, Lubricating Oils and Greases.
Claims use since Mar. 25, 1922.

Ser. No. 169,709. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) C. E. GHEENS, doing business as Bradas & Gheens, Louisville, Ky. Filed Sept. 20, 1922

DAIRY MAID

Particular description of goods.—Candy.
Claims use since 1899.

Ser. No. 169,814. (CLASS 21. ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES.) WALTER LYTTON, INC., Chicago, Ill. Filed Sept. 22, 1922.



Particular description of goods.—Combination Phonograph and Radio Receiving Sets, Loud Speakers, Transformers, Rectifiers, and Head Receiving Sets.
Claims use since about January, 1922.

Ser. No. 170,753. (CLASS 15. OILS AND GREASES.) PETROLEUM SERVICE CORPORATION, Minneapolis, Minn. Filed Oct. 16, 1922.



The lining on the drawing indicates an orange or yellow color. No claim is made to the words "Cer-t-fyd Liquid Fuel Service" apart from the mark shown on the drawing.
Particular description of goods.—Liquid Fuel.
Claims use since about Sept. 25, 1922.

Ser. No. 171,486. (CLASS 39. CLOTHING.) COOPER, DAVIDSON & KLEIN CAP COMPANY, St. Louis, Mo. Filed Nov. 2, 1922.

CAMPUS CAPS

No exclusive claim made to the word "Caps" apart from the mark shown.
Particular description of goods.—Men's, Boys', and Children's Caps.
Claims use since October, 1915.

Ser. No. 171,511. (CLASS 50. MERCHANDISE NOT OTHERWISE CLASSIFIED.) ROLUP SCREEN COMPANY, Wilmington, Del., and New York, N. Y. Filed Nov. 2, 1922.

Shayd-Awn

Particular description of goods.—Article Made of Canvas or Other Fabric Having Metal Cross Strips and Roller.
Claims use since June 30, 1922.

Ser. No. 171,856. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) FRED B. NEUHOFF, doing business as Fred B. Neuhoff Company, Los Angeles, Calif. Filed Nov. 11, 1922.

MARIAN

Particular description of goods.—Canned Fruits and Vegetables.
Claims use since June 1, 1916.

Ser. No. 172,024. (CLASS 39. CLOTHING.) JACOB L. ALBERTS, doing business as Alberts Manufacturing Co., New York, N. Y. Filed Nov. 15, 1922.

The Cinderella BANDO CORSET

No claim is made to the words "Bando" and "Corset" apart from the mark shown on the drawing.
Particular description of goods.—Bandeaux and Corsets.
Claims use since Oct. 1, 1921.

Ser. No. 172,219. (CLASS 21. ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES.) GENERAL PORCELAIN COMPANY, Parkersburg, W. Va. Filed Nov. 18, 1922.

G.P.Co

Particular description of goods.—Cut Outs, Receptacles, Sockets, Fuse Plugs, Comprising Assembled Metal and Porcelain Parts for Electrical Use.
Claims use since June 1, 1911.

Ser. No. 172,456. (CLASS 19. VEHICLES, NOT INCLUDING ENGINES.) WESTFIELD MANUFACTURING COMPANY, Westfield, Mass. Filed Nov. 23, 1922.

TRIBUNE

Particular description of goods.—Bicycles, Tricycles, and Parts Thereof for Adults' and Children's Use.
Claims use since May 25, 1893.

Ser. No. 172,501. (CLASS 39. CLOTHING.) JACOB L. ALBERTS, doing business as Alberts Manufacturing Co., New York, N. Y. Filed Nov. 25, 1922.

ALL TAKE IN

Particular description of goods.—Bandeaux and Corsets.
Claims use since Nov. 1, 1922.

Ser. No. 172,729. (CLASS 2. RECEPTACLES.) JAMES W. BRINE COMPANY, Boston, Mass. Filed Dec. 1, 1922. Under ten-year proviso.

BRINE

Particular description of goods.—Shoe Bags and Skate Bags.
Claims use since Jan. 1, 1895.

Ser. No. 173,248. (CLASS 1. RAW OR PARTLY-PREPARED MATERIALS.) HENRY ROSENBERG, New York, N. Y. Filed Dec. 12, 1922.

WOLFOX

Particular description of goods.—Belts.
Claims use since Nov. 24, 1922.

Ser. No. 173,300. (CLASS 35. BELTING, HOSE, MACHINERY PACKING, AND NONMETALLIC TIRES.) THE REPUBLIC RUBBER COMPANY, Youngstown, Ohio. Filed Dec. 13, 1922.

REPUBLIC EAGLE

Particular description of goods.—Tire Casings.
Claims use since Oct. 31, 1922.

Ser. No. 173,458. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) CLAUDE R. YATES, doing business as Alexandria Coffee Company, Alexandria, Va. Filed Dec. 18, 1922.

CARLYLE HOUSE

Particular description of goods.—Coffee.
Claims use since Dec. 1, 1922.

Ser. No. 173,621. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) CALIFORNIA FRUIT GROWERS EXCHANGE, Los Angeles, Calif. Filed Dec. 21, 1922.

Red Ball

Particular description of goods.—Citrous Fruits, Such as Oranges, Lemons, Grapefruit, in Their Natural State.
Claims use since on or about Apr. 3, 1911.

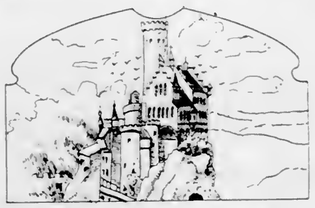
Ser. No. 174,162. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) SANG YUEN & CO., San Francisco, Calif. Filed Jan. 3, 1923.

BEAN-CAKE

Applicant disclaims the right to the exclusive use of the words "Bean-Cake" apart from the mark as shown.
Particular description of goods.—Product Made of Beans, Ground, Cooked, and Fermented, Then Put Through Sieve and Cut in Dice Shape, Then Placed in Container for Several Months to Ripen, Heavily Salted, and Preserved in Alcohol, Which Disappears in the Processing of the Product, so That Little, if Any, Alcohol Remains in the Finished Product.
Claims use since Oct. 1, 1921.

Ser. No. 174,565. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) THE FITCH COMPANY, Youngstown, Ohio. Filed Jan. 13, 1923.

OLD ABBY



Particular description of goods.—Coffee.
Claims use since 1911.

Ser. No. 174,637. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) CANDACE M. PRESS, doing business as C. M. Press & Co., Conneaut, Ohio. Filed Jan. 15, 1923.

BARCOLENE

Particular description of goods.—Preparation for Pyorrhea, Abscesses, Sores, Cancer, and Ulcers.
Claims use since Dec. 23, 1922.

Ser. No. 174,751. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) THE QUAKER OATS COMPANY, Chicago, Ill. Filed Jan. 18, 1923.



Particular description of goods.—Rolled Oats.
Claims use since November, 1891.

Ser. No. 174,756. (CLASS 15. OILS AND GREASES.) SPEARS & RIDDLE CO., Wheeling, W. Va. Filed Jan. 18, 1923.



The representation of a gasoline pump is disclaimed apart from the mark shown on the drawing.
Particular description of goods.—Gasoline and Lubricating Oils.
Claims use since Feb. 12, 1922.

Ser. No. 174,918. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) THE QUAKER OATS COMPANY, Chicago, Ill. Filed Jan. 22, 1923.



Particular description of goods.—Farinaceous Stock Feeds.
Claims use since Feb. 8, 1922.

Ser. No. 175,191. (CLASS 28. JEWELRY AND PRECIOUS-METAL WARE.) FARBER BROTHERS, New York, N. Y. Filed Jan. 27, 1923.



Particular description of goods.—Silver-Plated Hollow Ware.
Claims use since Jan. 26, 1923.

Ser. No. 175,374. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) WARD BAKING COMPANY, New York, N. Y. Filed Jan. 31, 1923.

SUPER-FOOD

Applicant disclaims any exclusive right to the word "Food" apart from the other features shown on the drawing.
Particular description of goods.—Bread, Rolls, Biscuits, Cakes, and Cereal Breakfast Foods.
Claims use since Jan. 2, 1923.

Ser. No. 175,712. (CLASS 21. ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES.) CONTINENTAL RADIO & ELECTRIC CORPORATION, New York, N. Y. Filed Feb. 8, 1923.



Particular description of goods.—Radio Transmitting and Receiving Sets and Parts Thereof and Electrical Vacuum Cleaners, Cookers, Toasters, Grills, Curling Irons, Flatirons, Stoves, and Dishwashers.
Claims use since Aug. 1, 1922.

Ser. No. 175,732. (CLASS 34. HEATING, LIGHTING, AND VENTILATING APPARATUS NOT INCLUDING ELECTRICAL APPARATUS.) PERFECT STOVE & MANUFACTURING CO., Belleville, Ill. Filed Feb. 8, 1923.



Particular description of goods.—Coal and Gas Stoves and Ranges.
Claims use since November, 1922.

Ser. No. 176,068. (CLASS 16. PAINTS AND PAINTERS' MATERIALS.) GODFREY L. CABOT, INC., Boston, Mass. Filed Feb. 15, 1923.

ELF

Particular description of goods.—Carbon Black.
Claims use since 1896.

Ser. No. 176,181. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) RICHARD HEEPE, Brooklyn, N. Y. Filed Feb. 17, 1923.



Particular description of goods.—Antifreezing Liquid.
Claims use since December, 1922.

Ser. No. 176,268. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) LIBBY, MCNEILL & LIBBY, Chicago, Ill. Filed Feb. 19, 1923.



Particular description of goods.—Canned, Dried, and Preserved Fruits, Berries, and Vegetables; Mincemeat, Olives, Pickles, Catchups, and Prepared Relishes.
Claims use since March, 1909.

Ser. No. 176,315. (CLASS 16. PAINTS AND PAINTERS' MATERIALS.) THE TAINTOR COMPANY, New York, N. Y. Filed Feb. 19, 1923.

WESTMINSTER

Particular description of goods.—Paris White.
Claims use since on or before Dec. 1, 1892.

Ser. No. 176,530. (CLASS 39. CLOTHING.) ATHENS HOSIERY MILLS, Athens, Tenn. Filed Feb. 24, 1923.

TAKHOMA
PAIR

Particular description of goods.—Misses' Hosiery.
Claims use since Jan. 15, 1923.

Ser. No. 176,694. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) PETER W. SAHEBECK, New York, N. Y. Filed Feb. 27, 1923.

Maple Farm

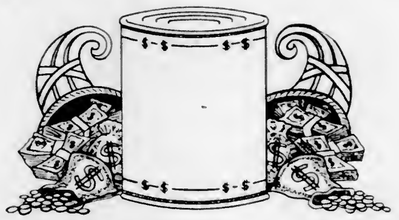
Particular description of goods.—Eggs.
Claims use since 1902.

Ser. No. 176,735. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) FELIX M. FREDERIKSEN, Little Falls, N. Y. Filed Feb. 28, 1923.



The trade-mark consists of the words "Dairy Maid."
Particular description of goods.—Cheese.
Claims use since Apr. 15, 1920.

Ser. No. 176,809. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) TWOHY-SMITH COMPANY, Superior, Wis. Filed Mar. 1, 1923.



Particular description of goods.—Dried Fruit, Canned Vegetables, Peanut Butter, Cheese, and Rolled Oats.
Claims use since Sept. 1, 1922.

Ser. No. 176,810. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) TWOHY-SMITH COMPANY, Superior, Wis. Filed Mar. 1, 1923.

FACE VALUE

Particular description of goods.—Dried Fruit, Canned Vegetables, Peanut Butter, Cheese, and Rolled Oats.
Claims use since Sept. 1, 1922.

Ser. No. 176,816. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) THE BATTLE CREEK FOOD COMPANY, Battle Creek, Mich. Filed Mar. 2, 1923.

VITAMET

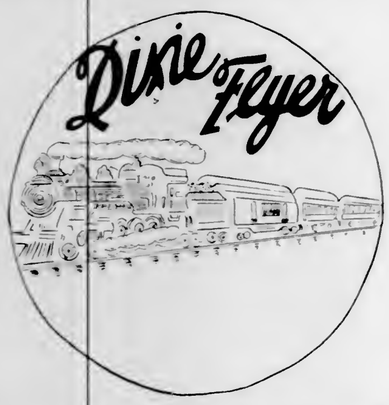
Particular description of goods.—Vegetable Food Consisting of Wheat Protein Combined with Nuts.
Claims use since Jan. 23, 1923.

Ser. No. 176,897. (CLASS 13. HARDWARE AND PLUMBING AND STEAM-FITTING SUPPLIES.) CLARENCE J. ALDEN, doing business as The Painesville Metallic Binding Co., Painesville, Ohio. Filed Mar. 3, 1923.

IDEAL

Particular description of goods.—Metallic Flat Curtain Rods.
Claims use since Jan. 6, 1923.

Ser. No. 177,087. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) FORD FLOUR COMPANY, Wilmington, Del., and Nashville, Tenn. Filed Mar. 7, 1923.



Particular description of goods.—Self-Rising Wheat Flour.
Claims use since Feb. 21, 1914.

Ser. No. 177,227. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) IDEAL CARAMEL COMPANY, INC., Johnson, N. Y. Filed Mar. 10, 1923.



Particular description of goods.—Candies, Candy Confections, Sweetmeats, and Chewing Gum.
Claims use since January, 1922.

Ser. No. 177,253. (CLASS 24. LAUNDRY APPLIANCES AND MACHINES.) UNITED APPLIANCE COMPANY, Jackson, Mich. Filed Mar. 10, 1923.

UNESCO

Particular description of goods.—Electric Washing Machines.
Claims use since Oct. 1, 1922.

Ser. No. 177,361. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) THE CINCINNATI WHOLESALE GROCERY COMPANY, Cincinnati, Ohio. Filed Mar. 13, 1923.

WHITE VILLA

Particular description of goods.—Canned Peas, Corn, Tomatoes, and Pineapple.
Claims use since April, 1922.

Ser. No. 177,439. (CLASS 24. LAUNDRY APPLIANCES AND MACHINES.) RALPH ISRAEL, doing business as Anthracite Supply Company, Wilkes-Barre, Pa. Filed Mar. 14, 1923.

PENNANT

The drawing is lined for shading only.
Particular description of goods.—Washboilers.
Claims use since Apr. 10, 1922.

Ser. No. 177,443. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) ADOLF J. KLEIS, doing business as Sheik Toilet Products Company, Chicago, Ill. Filed Mar. 14, 1923.



No claim is made for the words "Hair Dressing."
Particular description of goods.—Hair Dressing.
Claims use since Jan. 29, 1923.

Ser. No. 177,478. (CLASS 39. CLOTHING.) S. M. ELOWSKY & CO., Brooklyn, N. Y. Filed Mar. 15, 1923.

SPORTOGS

Particular description of goods.—Athletic Apparel—Namely, Middies, Knickers, Gymnasium and Hiking Suits.
Claims use since Jan. 9, 1923.

Ser. No. 177,732. (CLASS 16. PAINTS AND PAINTERS' MATERIALS.) F. W. GEILER, INC., New York, N. Y. Filed Mar. 20, 1923.



No claim is made to the exclusive use of the word "Brand" except in the association shown.
Particular description of goods.—Colors Ground in Oil, White Base for Oil Paints, Lead, Enamel Paint, White Lead, Oils for Polishing Floors, Ready-Mixed Paint, Wood Stain, Paint Enamel, Bronze Powder, Bronzing Liquid, Colors (Dry and in Oil), and Japan Colors.
Claims use since February, 1906.

Ser. No. 178,152. (CLASS 44. DENTAL, MEDICAL, AND SURGICAL APPLIANCES.) ERNST UNNÉ, Harrogate, York, England. Filed Mar. 27, 1923.

GUMMETTE

The trad mark consists of the word "Gummette" in the type shown in the drawing.
Particular description of goods.—An Apparatus or Appliance for Massaging the Teeth and Gums.
Claims use since Sept. 20, 1922.

Ser. No. 178,261. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) LEE COUNTY PACKING CO., Fort Myers, Fla. Filed Mar. 29, 1923.

BLACK BEAUTY

Particular description of goods.—Fresh Citrous Fruits.
Claims use since Oct. 9, 1922.

Ser. No. 178,297. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) STERLING MILK COMPANY, Oklahoma, Okla. Filed Mar. 29, 1923.



Particular description of goods.—Preserved Milk, Cream, and Milk-Chocolate Drinks.
Claims use since Feb. 20, 1920.

Ser. No. 178,392. (CLASS 34. HEATING, LIGHTING, AND VENTILATING APPARATUS, NOT INCLUDING ELECTRICAL APPARATUS.) THE KEELEY STOVE COMPANY, Columbia, Pa. Filed Mar. 31, 1923.



Particular description of goods.—Coal, Wood, and Gas Cooking and Heating Stoves and Ranges for Coal-Burning Furnaces and for Gas and Coal Hot-Water Heaters.
Claims use since February, 1890.

Ser. No. 178,612. (CLASS 21. ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES.) HERBERT M. HILL, Leonia, N. J. Filed Apr. 5, 1923.



PATENT PENDING

"THE JIFFY CLIP"

Does away with Soldering

MANUFACTURED BY HERBERT M. HILL LEONIA, N. J. U.S.A

No claim is made to any of the words or to the pictorial representation of the goods apart from the word "Jiffy."

Particular description of goods.—Electrical Connector Clips and Clamps for Amateur Radio Use.

Claims use since on or about December, 1922.

Ser. No. 178,618. (CLASS 39. CLOTHING.) J. & D. LEHMAN COMPANY, INC., New York, N. Y. Filed Apr. 5, 1923.

JACK FROST

Particular description of goods.—Gloves, Gauntlets, Boy-Scout Gauntlets, Mittens, Cuffs, and Wristlets Made of Leather Either Wholly or Partially and in Combination with Jersey Cloth and Similar Textile Fabrics.

Claims use since Mar. 1, 1923.

Ser. No. 178,717. (CLASS 44. DENTAL, MEDICAL, AND SURGICAL APPLIANCES.) ELM REFINING COMPANY, Stamford, Conn. Filed Apr. 7, 1923.



No claim is made to the words, "Refiners of Precious Metals" apart from the mark shown on the drawing.

Particular description of goods.—Dental Alloy and Dental Gold and Silver.

Claims use since July 1, 1916.

Ser. No. 178,723. (CLASS 39. CLOTHING.) JACKSON CORSET COMPANY, Jackson, Mich. Filed Apr. 7, 1923.

College Girl
STATELY STOUT

No claim is made to the words "Stately Stout" apart from the other features of the mark shown on the drawing, except that applicant does not relinquish any of its common-law rights in connection with the words "Stately Stout."

Particular description of goods.—Corsets.

Claims use since Aug. 29, 1922.

Ser. No. 178,787. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) THOMAS J. WEBB COMPANY, Chicago, Ill. Filed Apr. 7, 1923.

EXMOOR

Particular description of goods.—Coffee.

Claims use since August, 1906.

Ser. No. 178,789. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) THOMAS J. WEBB COMPANY, Chicago, Ill. Filed Apr. 7, 1923.

MASCOT

Particular description of goods.—Coffee.

Claims use since June 5, 1921.

Ser. No. 178,792. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) WHITE STOKES CO., INC., Chicago, Ill. Filed Apr. 7, 1923.

Mellowit

Particular description of goods.—Base or Filler for Candy.

Claims use since Aug. 16, 1921.

Ser. No. 178,862. (CLASS 39. CLOTHING.) NATIONAL CAP MANUFACTURING COMPANY, INCORPORATED, Louisville, Ky. Filed Apr. 9, 1923.

"Six in One"

Particular description of goods.—Men's, Youth's, and Boy's Caps.

Claims use since Aug. 12, 1922.

Ser. No. 178,863. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) NOAVO LABORATORIES, Los Angeles, Calif. Filed Apr. 9, 1923.

NOAVO

Particular description of goods.—Medicinal Preparation Used as a Fat Reducer.

Claims use since October, 1921.

Ser. No. 178,944. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) THE AMERICAN COTTON OIL COMPANY, Union Township, near Guttenberg, N. J., and New York, N. Y. Filed Apr. 11, 1923. Under ten-year proviso.



Particular description of goods.—Edible Oils and Fats.

Claims use since Nov. 1, 1893.

Ser. No. 179,052. (CLASS 36. MUSICAL INSTRUMENTS AND SUPPLIES.) NAEJOKS-MCLAUGHLIN, Los Angeles, Calif. Filed Apr. 12, 1923.

SIL-VA-LAE

Particular description of goods.—Mouthpieces of Reed Wind Instruments.

Claims use since June 18, 1921.

Ser. No. 179,112. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) RANDELL & CO., New York, N. Y. Filed Apr. 13, 1923. Under ten-year proviso.

DR. BRISTOLS'
Medicated Kidney Belts.

Trade-mark consists of the words "Dr. Bristol's Medicated Kidney Belts."

Particular description of goods.—Medicinal Belt for the Treatment of Kidneys.

Claims use since 1865.

Ser. No. 179,118. (CLASS 39. CLOTHING.) A. STEIN & COMPANY, Chicago, Ill. Filed Apr. 13, 1923. Under section 9 of the act of Mar. 19, 1920.

PARIS

Particular description of goods.—Arm Bands and Suspenders.

Claims use since Oct. 28, 1921, on arm bands; since Mar. 2, 1922, on suspenders.

Ser. No. 179,128. (CLASS 2. RECEPTACLES.) THE ALLIED BELTING COMPANY, Greenville, Ohio. Filed Apr. 14, 1923.



Particular description of goods.—News Bags, Aprons, Used Primarily as Bags or Receptacles, and Coal Bags, All Made of Canvas.

Claims use since Mar. 1, 1923.

Ser. No. 179,148. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) PETER HANDLEY, Garland, Tex. Filed Apr. 14, 1923.

Puck A Taw

Particular description of goods.—Preparation for Headache, Neuralgia, La Grippe, and Colds, to be Taken Internally.

Claims use since about Mar. 15, 1917.

Ser. No. 179,196. (CLASS 7. CORDAGE.) GRANITE CORDAGE COMPANY, Granite Falls and Hickory, N. C. Filed Apr. 16, 1923.

BLUE RIDGE

Particular description of goods.—Cords, Twines, Ropes, and Lines of Fiber Material Made from Cotton, Hemp, Manila, Sisal, or Jute.

Claims use since Aug. 15, 1920.

Ser. No. 179,199. (CLASS 16. PAINTS AND PAINTERS' MATERIALS.) GRAY & BRETEY CO., New York, N. Y. Filed Apr. 16, 1923.

MOON-O-LIGHT

Particular description of goods.—Luminous Paint.

Claims use since Apr. 2, 1923.

Ser. No. 179,201. (CLASS 4. ABRASIVE, DETERGENT, AND POLISHING MATERIALS.) HASKINS BROS. COMPANY, Sioux City, Iowa. Filed Apr. 16, 1923.

Facéna

Particular description of goods.—Soap.

Claims use since July 31, 1922.

Ser. No. 179,228. (CLASS 26. MEASURING AND SCIENTIFIC APPLIANCES.) IWAN SERRURIER, Altadena, Calif. Filed Apr. 16, 1923.

MOVIOLA

Particular description of goods.—Cabinet Motion-Picture Apparatus.
Claims use since Dec. 20, 1922.

Ser. No. 179,249. (CLASS 12. CONSTRUCTION MATERIALS.) WESTERN MATERIALS COMPANY, Chicago, Ill. Filed Apr. 16, 1923.

HEATREX

Particular description of goods.—A High-Temperature Cement for Use Alone or with Fire Brick or Other Materials in Furnaces, Boilers, and Other Devices of Every Kind and Description Which are Subjected to Heat.
Claims use since Jan. 10, 1923.

Ser. No. 179,274. (CLASS 34. HEATING, LIGHTING, AND VENTILATING APPARATUS, NOT INCLUDING ELECTRICAL APPARATUS.) ALBO-IRON CO., Troy, N. Y. Filed Apr. 17, 1923.

TROJAN

Trade-mark consists of the word "Trojan."
Particular description of goods.—Boilers for Heating Purposes.
Claims use since 1890.

Ser. No. 179,379. (CLASS 1. RAW OR PARTLY-PREPARED MATERIALS.) NEW JERSEY CHARCOAL CO. INC., Irvington, N. J. Filed Apr. 19, 1923.



Particular description of goods.—Charcoal.
Claims use since Feb. 24, 1923.

Ser. No. 179,405. (CLASS 12. CONSTRUCTION MATERIALS.) FURNASEAL MFG. CO., Chicago, Ill. Filed Apr. 20, 1923.



Particular description of goods.—Refractory Cements and Protective Plaster Coatings.
Claims use since Mar. 21, 1923.

Ser. No. 179,450. (CLASS 44. DENTAL, MEDICAL, AND SURGICAL APPLIANCES.) THE ART ORNAMENT CO., New York, N. Y. Filed Apr. 21, 1923.

L'Artaleure

Particular description of goods.—Manicure Sets Sold as a Unit.
Claims use since February, 1923.

Ser. No. 179,484. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) SAN JOSE CANNING CO., San Jose, Calif. Filed Apr. 21, 1923.

PATRICIA

Particular description of goods.—Canned Vegetables.
Claims use since Feb. 1, 1923.

Ser. No. 179,493. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) LESTER A. STRAUSS, New York, N. Y. Filed Apr. 21, 1923.

STRASSFIELD

Particular description of goods.—Fresh Limes and Lemons.
Claims use since January, 1923.

Ser. No. 179,664. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) NATHAN GOLDSMITH, New York, N. Y. Filed Apr. 25, 1923.



No claim made to the exclusive use of the representation of a tomato.
Particular description of goods.—Fresh Tomatoes.
Claims use since Feb. 1, 1923.

Ser. No. 179,715. (CLASS 39. CLOTHING.) CLARK RUBBER MANUFACTURING CO., Franklin, Mass. Filed Apr. 26, 1923.

CLICO

Particular description of goods.—Rubber Outsoles, Rubber Heels, Rubber Insoles, and Rubber Half Soles.
Claims use since October, 1922.

Ser. No. 179,756. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) F. G. VOGT & SONS, INC., Philadelphia, Pa. Filed Apr. 26, 1923.

Valiant

Particular description of goods.—Lard.
Claims use since Apr. 3, 1923.

Ser. No. 179,757. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) F. G. VOGT & SONS, INC., Philadelphia, Pa. Filed Apr. 26, 1923.

Vosco

Particular description of goods.—Lard.
Claims use since September, 1921.

Ser. No. 179,790. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) E. GREENFIELD'S SONS, New York and Brooklyn, N. Y. Filed Apr. 27, 1923.



Particular description of goods.—Chocolates and Candy.
Claims use since Sept. 30, 1921.

Ser. No. 179,845. (CLASS 13. HARDWARE AND PLUMBING AND STEAM-FITTING SUPPLIES.) BETHLEHEM STEEL COMPANY, Bethlehem, Pa. Filed Apr. 28, 1923. Under section 9 of the act of Mar. 19, 1920.

BETHLEHEM

Particular description of goods.—Metal Valves for Mains and Pipes.
Claims use since February, 1921.

Ser. No. 179,862. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) FLORIDA CITRUS EXCHANGE, Tampa, Fla. Filed Apr. 28, 1923.

Sealdsweet

Particular description of goods.—Canned Citrous Fruits, Grapefruit.
Claims use since Mar. 26, 1923.

Ser. No. 179,921. (CLASS 16. PAINTS AND PAINTERS' MATERIALS.) ASSETS PRODUCING COMPANY, doing business as Atlantic-Pacific Paint Works, Chicago, Ill. Filed Apr. 30, 1923.



Particular description of goods.—Ready-Mixed Paints, Varnishes, Paint Enamels, Stains, and Colors.
Claims use since Jan. 1, 1922.

Ser. No. 179,939. (CLASS 16. PAINTS AND PAINTERS' MATERIALS.) THE HOCKADAY COMPANY, Chicago, Ill. Filed Apr. 30, 1923.

HOCKADAY

Particular description of goods.—Wall Finishes (a Mixture Formed by Mixing a Liquid Paint Taken from One Can and a Reducing Agent from Another Can).
Claims use since Jan. 1, 1911.

Ser. No. 179,986. (CLASS 44. DENTAL, MEDICAL, AND SURGICAL APPLIANCES.) BLACKMAN & BLACKMAN, New York, N. Y. Filed May 1, 1923.

JAY BEE

Particular description of goods.—Catheters, Ear and Ulcer Syringes, Finger Cots, Gonorrhea Bags, Gum Nipples, Glass-Barrel Syringes, Rapid-Flow Syringes, Infant Rectal Syringes, Medicine Droppers, Nipple Shields, Rattle Teething Rings, Rectal Tubes, Vaginal Sprays, Tweezers, Throat Brushes, Atomizer Bulbs, Nasal Bulb Syringes, Vaccination Shields, Wristbands, and Asepto Syringes.
Claims use since January, 1921.

Ser. No. 180,018. (CLASS 14. METALS AND METAL CASTINGS AND FORGINGS.) MARRET, BONNIN, LEBEL & GUIET, Paris, France. Filed May 1, 1923.

ARGENTEUM

Particular description of goods.—Alloy Intended to Be Used for Jewelry and Jewelers' Goods.
Claims use since Mar. 22, 1923.

Ser. No. 180,046. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) JOHN B. CAMPBELL, Philadelphia, Pa. Filed May 2, 1923.

WATER WHEELS

The words "Water Wheels" are disclaimed apart from the other features of the mark.
Particular description of goods.—Water Wheels.
Claims use since Apr. 2, 1923.

Ser. No. 180,049. (CLASS 12. CONSTRUCTION MATERIALS.) THE CONTINENTAL ROOFING & MANUFACTURING CO., Highlandtown, Baltimore, Md. Filed May 2, 1923.

BALMAR

Particular description of goods.—Green Mineral Surfaced Roofing.
Claims use since about January, 1923.

Ser. No. 180,050. (CLASS 12. CONSTRUCTION MATERIALS.) THE CONTINENTAL ROOFING & MANUFACTURING CO., Highlandtown, Baltimore, Md. Filed May 2, 1923.

Particular description of goods.—Asphalt Mineral Surfaced Roofing.
Claims use since about January, 1923.

Ser. No. 180,051. (CLASS 12. CONSTRUCTION MATERIALS.) THE CONTINENTAL ROOFING & MANUFACTURING CO., Highlandtown, Baltimore, Md. Filed May 2, 1923.

Particular description of goods.—A Roofing Material, a Sheet of Porous Felt Which has Been Impregnated with a Bituminous Waterproof Compound Mainly Composed of Asphalt and Which Sheet is Subsequently Surfaced on One or Both Sides with a Bitumen Compound or with Talc or Crushed Slate Embedded in the Surface.
Claims use since about January, 1923.

Ser. No. 180,056. (CLASS 2. RECEPTACLES.) HETTIE JAMES DUDLEY, Richmond, Va. Filed May 2, 1923.

Dr. Every Day
EVERY DAY JOYS
FOR EVERY BODY
EVERYTHING FOR EVERY DAY

The picture or representation of the doll appearing on the drawing is disclaimed apart from the mark shown on the drawing.
Particular description of goods.—Fancy Bags of Cloth.
Claims use since Apr. 24, 1923.

Ser. No. 180,069. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) A. M. KATZMAN CORP., New York, N. Y. Filed May 2, 1923.

CHAMPS ELYSEES

Particular description of goods.—Perfumes.
Claims use since Feb. 1, 1922.

Ser. No. 180,078. (CLASS 12. CONSTRUCTION MATERIALS.) PELICAN BAY LUMBER COMPANY, Klamath Falls, Oreg. Filed May 2, 1923.

PELICAN

Particular description of goods.—Lumber, Laths, Moldings, Sidings.
Claims use since July 21, 1921.

Ser. No. 180,080. (CLASS 44. DENTAL, MEDICAL, AND SURGICAL APPLIANCES.) F. CHARLES REIN & SON, AMERICA, INC., New York, N. Y. Filed May 2, 1923.

Aurolese

Particular description of goods.—Instruments for Aiding the Hearing.
Claims use since Feb. 25, 1923.

Ser. No. 180,099. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) COTY, INC., Wilmington, Del., and New York, N. Y. Filed May 3, 1923.

Particular description of goods.—Perfumes, Toilet Water, Face Powder, Sachet Powder, Talcum Powder, Brilliantine, Eau de Cologne, Lotion for the Hair.
Claims use since May, 1910.

Ser. No. 180,203. (CLASS 2. RECEPTACLES.) ACME CAN COMPANY, Philadelphia, Pa. Filed May 5, 1923.

ACMECO

Particular description of goods.—Plain, Decorated, and Lithographed Tin, Metal, and Paper Packages.
Claims use since Mar. 1, 1923.

Ser. No. 180,277. (CLASS 24. LAUNDRY APPLIANCES AND MACHINES.) THE FRY BROS. COMPANY, Cincinnati, Ohio. Filed May 7, 1923.

WASHRIGHT

Particular description of goods.—Laundry Bags of Net Material.
Claims use since Apr. 20, 1923.

Ser. No. 180,282. (CLASS 24. LAUNDRY APPLIANCES AND MACHINES.) HILL CLOTHES DRYER CO., Worcester, Mass. Filed May 7, 1923. Under ten-year proviso.

HILL

Particular description of goods.—Clothes Driers, Balcony Clothes Driers, Yard Clothes Driers, Kitchen Clothes Driers, Cabinet Clothes Drier.
Claims use since Jan. 1, 1880.

Ser. No. 180,309. (CLASS 39. CLOTHING.) CLARENCE S. STEINER, Asbury Park, N. J. Filed May 7, 1923.

Why Not

Trade mark consists of the words "Why Not."
Particular description of goods.—Sleeping Garments, Ladies' Textile-Fabric Underwear, and Shirt Waists and Bloomers.
Claims use since October, 1922.

Ser. No. 180,376. (CLASS 24. LAUNDRY APPLIANCES AND MACHINES.) LANDERS, FRARY & CLARK, New Britain, Conn. Filed May 9, 1923.

WHIRLWAVE

Particular description of goods.—Electrically-Driven Laundry Washing Machines for Household and Commercial Use.
Claims use since Mar. 29, 1923.

Ser. No. 180,383. (CLASS 38. PRINTS AND PUBLICATIONS.) NATIONAL RETAIL HARDWARE ASSOCIATION, Argos and South Bend, Ind. Filed May 9, 1923.

NATIONAL HARDWARE BULLETIN

Particular description of goods.—Monthly Magazine.
Claims use since March, 1901.

Ser. No. 180,455. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) SOLAX DRUG COMPANY, INC., Philadelphia, Pa. Filed May 10, 1923.

SOLAX

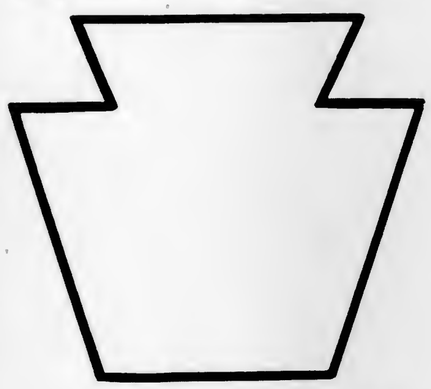
Particular description of goods.—Vegetable Laxative Tablets.
Claims use since December, 1913.

Ser. No. 180,459. (CLASS 15. OILS AND GREASES.) WILLOWBROOK CHEMICAL WORKS, Los Angeles, Calif. Filed May 10, 1923.

RIDE E-Z

Particular description of goods.—Lubricating Oil.
Claims use since Sept. 15, 1922.

Ser. No. 180,512. (CLASS 2. RECEPTACLES.) DAVID WEBER & CO., Philadelphia, Pa. Filed May 11, 1923.



Particular description of goods.—Corrugated Fiber and Paper Boxes, Envelopes, Wrappers, Packing Cases, and Corrugated Paper Board.
Claims use since January, 1908.

Ser. No. 180,553. (CLASS 39. CLOTHING.) E. P. REED & CO., Rochester, N. Y. Filed May 12, 1923.

—like your Footprint in the sand!

Particular description of goods.—Shoes Made of Leather.
Claims use since about January, 1923.

Ser. No. 180,554. (CLASS 39. CLOTHING.) E. P. REED & CO., Rochester, N. Y. Filed May 12, 1923.



No claim is made to the word "Shoe" and "Moulded Like Your Footprint" apart from the mark as shown.
Particular description of goods.—Shoes Made of Leather.
Claims use since January, 1923.

Ser. No. 180,636. (CLASS 34. HEATING, LIGHTING, AND VENTILATING APPARATUS, NOT INCLUDING ELECTRICAL APPARATUS.) WINCROFT STOVE WORKS, Middletown, Pa. Filed May 14, 1923.



Particular description of goods.—Gas Ranges.
Claims use since Apr. 1, 1922.

Ser. No. 180,647. (CLASS 2. RECEPTACLES.) ALLON MANUFACTURING COMPANY, INC., Baltimore, Md. Filed May 15, 1923.

AL-LON

Particular description of goods.—Shoe Bags, Clothes Protectors, Said Clothes Protectors Being in the Nature of a Bag in Which Clothes are Kept, and Clothespin Aprons, Manufactured by the Said Corporation.
Claims use since August, 1913.

Ser. No. 180,652. (CLASS 39. CLOTHING.) CADET KNITTING COMPANY, Philadelphia, Pa. Filed May 15, 1923.

MANITOWOC

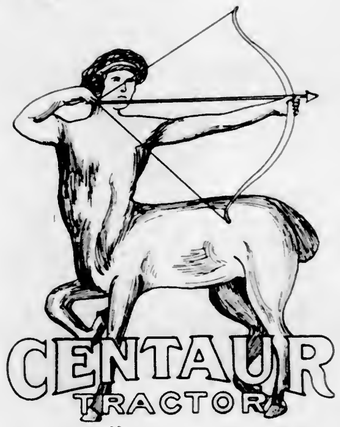
Particular description of goods.—Sweater Coats.
Claims use since Jan. 1, 1923.

Ser. No. 180,653. (CLASS 5. ADHESIVES.) CAPITAL RODEWITE COMPANY, INCORPORATED, South Washington, Va. Filed May 15, 1923.

BLOK TITE

Particular description of goods.—Compositions for Use as Adhesives for Wood and Similar Types of Blocks Laid as Flooring or Paving.
Claims use since Jan. 19, 1923.

Ser. No. 180,748. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) THE CENTRAL TRACTOR COMPANY, Greenwich, Ohio. Filed May 17, 1923.



The word "Tractor" is disclaimed apart from the mark shown by the drawing.
Particular description of goods.—Tractors, Cultivators, and Sulky Plows.
Claims use since Mar. 3, 1921.

Ser. No. 180,800. (CLASS 5. ADHESIVES.) KEFERSTEIN, STARR & CO., INC., New York, N. Y. Filed May 18, 1923.

J-O-y

Particular description of goods.—Sealing Wax.
Claims use since Apr. 19, 1923.

Ser. No. 180,803. (CLASS 16. PAINTS AND PAINTERS' MATERIALS.) BENJAMIN MOORE & CO., Jersey City, N. J., and Brooklyn, N. Y. Filed May 18, 1923.

Vaco

Particular description of goods.—Ready-Mixed Paints.
Claims use since 1907.

Ser. No. 180,841. (CLASS 2. RECEPTACLES.) CANADIAN WM. A. ROGERS, LIMITED, Toronto, Ontario, Canada. Filed May 19, 1923.

Konex

Trade-mark consists of the word "Konex."
Particular description of goods.—Cones, Particularly Paper Cones Used for Drinks and Edibles.
Claims use since Oct. 1, 1920.

Ser. No. 180,904. (CLASS 16. PAINTS AND PAINTERS' MATERIALS.) SURFIX CHEMICAL CO., Detroit, Mich. Filed May 19, 1923.



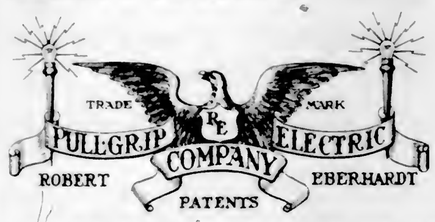
In the accompanying drawing the horizontal lining is for the purpose of shading only.
Particular description of goods.—Finishing or Polishing Material for Painted, Varnished, or Enameled Surfaces.
Claims use since about Mar. 1, 1923.

Ser. No. 180,911. (CLASS 2. RECEPTACLES.) THE U. S. PAPER GOODS CO., Cincinnati, Ohio. Filed May 19, 1923.



Particular description of goods.—Paper Bags.
Claims use since May 1, 1923.

Ser. No. 180,923. (CLASS 21. ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES.) ROBERT EBERHARDT, doing business as Pull-Grip Electric Company, New York, N. Y. Filed May 21, 1923.



No claim is made to the words "Trade Mark" and "Patents" apart from the mark shown on the drawing.
Particular description of goods.—Incandescent-Lamp Sockets, Fuse Sockets, and Switches.
Claims use since May 1, 1923.

Ser. No. 180,953. (CLASS 21. ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES.) ALDEN MANUFACTURING COMPANY, Springfield, Mass. Filed May 22, 1923.

NA-ALD

Particular description of goods.—Parts for Radio Apparatus, Comprising Sockets of Molded Insulation for Holding Vacuum Tubes, Molded-Vernier Dials, Also Single Phone Cords, Double Phone Cords, Loud-Speaker Cords, and Tuned Radiofrequency Transformers, One Stage.
Claims use since Apr. 1, 1923.

Ser. No. 180,959. (CLASS 15. OILS AND GREASES.) ABRAHAM N. BRESLER, doing business as Lubraseptol Co., New York, N. Y. Filed May 22, 1923.

LUBRASEPTOL

Particular description of goods.—Lubricants for Dental Engines and General Lubricant Purposes.
Claims use since Mar. 15, 1923.

Ser. No. 180,979. (CLASS 15. OILS AND GREASES.) INDEPENDENT SERVICE STATION ASSOCIATION, Los Angeles, Calif. Filed May 22, 1923.

BLUE DIAMOND



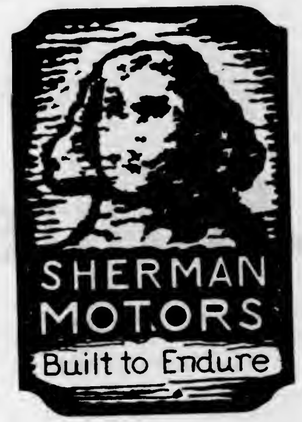
Particular description of goods.—Gasoline.
Claims use since Jan. 2, 1923.

Ser. No. 181,102. (CLASS 2. RECEPTACLES.) AMERICAN THERMOS BOTTLE COMPANY, Norwich, Conn. Filed May 25, 1923.

THERMOS

Particular description of goods.—Temperature-Retaining Vessels.
Claims use since Mar. 14, 1904.

Ser. No. 181,223. (CLASS 21. ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES.) H. B. SHERMAN MANUFACTURING CO., Battle Creek, Mich. Filed May 26, 1923.



No claim is made for the words "Motors" and "Built to Endure" apart from the mark as shown in the drawing.
Particular description of goods.—Electric Motors and Parts Thereof.
Claims use since about Apr. 23, 1923.

Ser. No. 181,240. (CLASS 5. ADHESIVES.) T. TAYLOR BUCKLEY, INC., Trenton, N. J. Filed May 28, 1923.

Sax-o-Sement

Particular description of goods.—A Cement for Use in Repairing Musical Instruments.
Claims use since Apr. 9, 1923.

Ser. No. 181,253. (CLASS 1. RAW OR PARTLY-PREPARED MATERIALS.) DICKINSON FUEL COMPANY, Dallas, Tex. Filed May 28, 1923.

QUEEN OF DIXIE

Particular description of goods.—Blacksmith Coal.
Claims use since 1919.

Ser. No. 181,261. (CLASS 21. ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES.) THE ENGRAVOGRAPH CORPORATION, New York, N. Y. Filed May 28, 1923.

ENGRAVOGRAPH

Particular description of goods.—Electric Engraving Machines.
Claims use since May 22, 1923.

Ser. No. 181,289. (CLASS 5. ADHESIVES.) WILLIAM R. LONG, St. Louis, Mo. Filed May 28, 1923.

COMTEX

Particular description of goods.—Adhesives, Particularly Glue and Paste, Both Animal and Vegetable.
Claims use since Aug. 17, 1921.

Ser. No. 181,559. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) CONSOLIDATED TEXTILE CORPORATION, New York, N. Y. Filed June 5, 1923.

MERCETTE

Particular description of goods.—Mercerized Cotton Piece Goods.
Claims use since May 31, 1923.

Ser. No. 181,568. (CLASS 12. CONSTRUCTION MATERIALS.) JOINTLESS FIRE-BRICK CO., Chicago, Ill. Filed June 5, 1923.

PLIBRICO

Particular description of goods.—Fire-Resisting Cement for Forming Furnace Linings.
Claims use since Oct. 13, 1917.

Ser. No. 181,611. (CLASS 21. ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES.) OWEN-DYNETO CORPORATION, Syracuse, N. Y. Filed June 6, 1923

Dyneto

Trade-mark "Dyneto."
Particular description of goods.—Electric Generators for Automobile Lighting, Dynamos, Motors, Electric Ignition Apparatus and Automatic Electric Switches.
Claims use since Dec. 27, 1910.

Ser. No. 181,683. (CLASS 16. PAINTS AND PAINTERS' MATERIALS.) MAURICE LOUIS DETOURBE, Paris, France. Filed June 8, 1923.

ASOL

Particular description of goods.—Ready-Mixed Paints, Varnishes, Dry Colors, Paint Enamels, Lacquers, and Roofing Paints.
Claims use since January, 1903.

Ser. No. 181,684. (CLASS 16. PAINTS AND PAINTERS' MATERIALS.) MAURICE LOUIS DETOURBE, Paris, France. Filed June 8, 1923.

LAKTINOL

Particular description of goods.—Ready-Mixed Paints, Varnishes, Dry Colors, Paint Enamels, Lacquers, and Roofing Paints.
Claims use since October, 1922.

Ser. No. 181,703. (CLASS 21. ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES.) THE SINGER MANUFACTURING COMPANY, New York, N. Y., and Elizabeth, N. J. Filed June 8, 1923.

SIMANCO

Particular description of goods.—Electric Motors, Electric-Motor Parts, Controllers and Parts Thereof, Electric Fans and Parts Thereof, Electric Lamps, Lamp Sockets, Lighting Fixtures, Insulators, Connectors, Rheostats, and Switches and Parts Thereof.
Claims use since on or about Jan. 3, 1923.

Ser. No. 181,762. (CLASS 35. BELTING, HOSE, MACHINERY PACKING, AND NONMETALLIC TIRES.) THE MILLER RUBBER COMPANY, Akron, Ohio. Filed June 9, 1923.

WEDGE

Particular description of goods.—Tires Made of Rubber and Rubber and Fabric.
Claims use since Aug. 3, 1922.

Ser. No. 181,816. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) CHARTER CHOCOLATE COMPANY, Boston, Mass. Filed June 11, 1923.

CLYDE

Particular description of goods.—Candy.
Claims use since Dec. 19, 1922.

Ser. No. 181,878. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) CARDINET CANDY COMPANY, Oakland, Calif. Filed June 12, 1923.

Allure

Particular description of goods.—Candy.
Claims use since May 1, 1911.

Ser. No. 181,881. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) COOPS BROS., Sonoma, Calif. Filed June 12, 1923.

GOLD WING

Particular description of goods.—Fresh Deciduous Fruits.
Claims use since Apr. 20, 1923.

Ser. No. 181,916. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) SIERRA PACIFIC CANNING CO., San Francisco, Calif. Filed June 12, 1923.

WHITE HORSE

Particular description of goods.—Canned Fruits and Vegetables.
Claims use since Apr. 2, 1923.

Ser. No. 181,961. (CLASS 16. PAINTS AND PAINTERS' MATERIALS.) WILLIAM H. SCHEEL, New York, N. Y. Filed June 13, 1923.

KEENITE

Particular description of goods.—Lacquer Compositions.
Claims use since May 25, 1923.

Ser. No. 181,980. (CLASS 50. MERCHANDISE NOT OTHERWISE CLASSIFIED.) THE COTT-A-LAP COMPANY, Somerville, N. J. Filed June 14, 1923.

Wetherstan

Particular description of goods.—Advertising Signs.
Claims use since Apr. 14, 1923.

Ser. No. 182,027. (CLASS 12. CONSTRUCTION MATERIALS.) THE WHEELER, OSGOOD COMPANY, Tacoma, Wash. Filed June 14, 1923.



Particular description of goods.—Fir Doors, Moldings, Veneered Panels, Plywood, Sash, Columns, and Lumber.
Claims use since January, 1911.

Ser. No. 182,079. (CLASS 15. OILS AND GREASES.) VACUUM OIL COMPANY, New York, N. Y. Filed June 15, 1923.

DELTA

Particular description of goods.—Lubricating Oils.
Claims use since Mar. 3, 1909.

Ser. No. 182,101. (CLASS 29. BROOMS, BRUSHES, AND DUSTERS.) S. C. JOHNSON & SON, Racine, Wis. Filed June 16, 1923. Under ten-year proviso.

JOHNSON'S

Particular description of goods.—Polishing Brushes.
Claims use since about 1893.

Ser. No. 182,109. (CLASS 12. CONSTRUCTION MATERIALS.) ABRAM MOSES, Baltimore, Md. Filed June 16, 1923.



Particular description of goods.—Window Sills, Door Sills, Lintels, Arches, Dentil Courses, Cornices, Copings, Chimney Caps, Medallions, Dimension Stone, Ashlers, Foundation Stone, Balustrades, Building Blocks, Facings, Roofing Tiles, Floor Tiles, Lighting Standards, Posts, Polls, Columns, Bases, Caps, and Building Stone.
Claims use since May 15, 1923.

Ser. No. 182,125. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) THE BELLEVUE KRAUT & PICKLING CO., Bellevue, Ohio. Filed June 18, 1923.

SHUR-GOOD

Particular description of goods.—Canned Sauerkraut.
Claims use since Apr. 13, 1923.

Ser. No. 182,202. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) BRUNE, POTTBERG & CO., New York, N. Y. Filed June 19, 1923.



Particular description of goods.—Cotton Piece Goods.
Claims use since on or about Feb. 26, 1923.

Ser. No. 182,216. (CLASS 15. OILS AND GREASES.) THE MIDLAND REFINING COMPANY, Eldorado, Kans. Filed June 19, 1923.

TAGOLENE

Particular description of goods.—Lubricating Oils.
Claims use since Sept. 20, 1922.

Ser. No. 182,240. (CLASS 10. FERTILIZERS.) WESTLAKE CHEMICAL CO., INC., Westlake, La. Filed June 20, 1923.

WESLACO

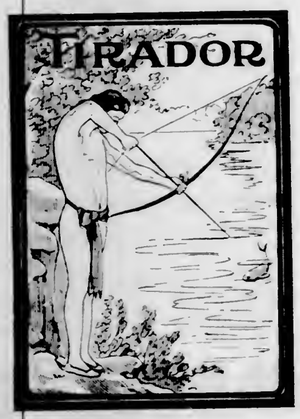
Particular description of goods.—Fertilizer.
Claims use since May 30, 1923.

Ser. No. 182,291. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) BRUNE, POTTBERG & CO., New York, N. Y. Filed June 21, 1923.



Particular description of goods.—Cotton Piece Goods.
Claims use since on or about Apr. 19, 1921.

Ser. No. 182,292. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) BRUNE, POTTBERG & CO., New York, N. Y. Filed June 21, 1923.



Particular description of goods.—Cotton Piece Goods.
Claims use since on or about Nov. 29, 1922.

Ser. No. 182,335. (CLASS 39. CLOTHING.) THE DAYTON COMPANY, Minneapolis, Minn. Filed June 22, 1923.

La Paree

Particular description of goods.—Hosiery.
Claims use since May 21, 1923.

Ser. No. 182,366. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) THE SORRICK-CAYLOR COMPANY, Dalton, Ga. Filed June 22, 1923.

MOUNTAINEER



Particular description of goods.—Bedspreads.
Claims use since May 12, 1923.

Ser. No. 182,386. (CLASS 15. OILS AND GREASES.) STANDARD OIL COMPANY (INCORPORATED IN NEW JERSEY), Bayonne, N. J. Filed June 23, 1923.

CARUM

Particular description of goods.—Lubricating Oils.
Claims use since Apr. 26, 1922.

Ser. No. 182,401. (CLASS 2. RECEPTACLES.) CROWN WILLIAMETTE PAPER COMPANY, San Francisco, Calif. Filed June 25, 1923.

"Monarch"

Particular description of goods.—Paper Bags.
Claims use since 1901.

Ser. No. 182,427. (CLASS 50. MERCHANDISE NOT OTHERWISE CLASSIFIED.) JAMES N. MAYHEW CO., INC., Minneapolis, Minn. Filed June 25, 1923.

FitRite

Particular description of goods.—Shoe and Slipper Trees.
Claims use since about June 1, 1921.

Ser. No. 182,433. (CLASS 2. RECEPTACLES.) ZELLERBACH PAPER COMPANY, San Francisco, Calif. Filed June 25, 1923.

BIRCH

Particular description of goods.—Paper Bags.
Claims use since Dec. 23, 1922.

Ser No. 182,455. (CLASS 2. RECEPTACLES.) ZELLERBACH PAPER COMPANY, San Francisco, Calif. Filed June 25, 1923.

ALDER

Particular description of goods.—Paper Bags.
Claims use since Oct. 6, 1922.

Ser No. 182,456. (CLASS 2. RECEPTACLES.) ZELLERBACH PAPER COMPANY, San Francisco, Calif. Filed June 25, 1923.

CYPRESS

Particular description of goods.—Paper Bags.
Claims use since Nov. 25, 1922.

Ser. No. 182,457. (CLASS 2. RECEPTACLES.) ZELLERBACH PAPER COMPANY, San Francisco, Calif. Filed June 25, 1923.

ELM

Particular description of goods.—Paper Bags.
Claims use since Oct. 25, 1922.

Ser. No. 182,458. (CLASS 2. RECEPTACLES.) ZELLERBACH PAPER COMPANY, San Francisco, Calif. Filed June 25, 1923.

HEMLOCK

Particular description of goods.—Paper Bags.
Claims use since Oct. 19, 1922.

Ser. No. 182,459. (CLASS 2. RECEPTACLES.) ZELLERBACH PAPER COMPANY, San Francisco, Calif. Filed June 25, 1923.

POPLAR

Particular description of goods.—Paper Bags.
Claims use since Oct. 6, 1922.

Ser. No. 182,460. (CLASS 2. RECEPTACLES. ZELLERBACH PAPER COMPANY, San Francisco, Calif. Filed June 25, 1923.

REDWOOD

Particular description of goods.—Paper Bags.
Claims use since Oct. 6, 1922.

Ser. No. 182,502. (CLASS 16. PAINTS AND PAINTERS' MATERIALS.) CHARLES DRABEK, doing business as Painters Supply Co., Cleveland, Ohio. Filed June 27, 1923.

LIQUID TILE

Particular description of goods.—Ready-Mixed Paints and Paint Enamels.
Claims use since Jan. 1, 1918.

Ser. No. 182,548. (CLASS 50. MERCHANDISE NOT OTHERWISE CLASSIFIED.) PHILLIPS & SLACK, INC., Northfield, Vt. Filed June 28, 1923.

MEMOKRAFT

Particular description of goods.—Monumental Blocks of Granite.
Claims use since October, 1922.

Ser. No. 182,586. (CLASS 39. CLOTHING.) HOLLAND KNITTING CO., Brooklyn, N. Y. Filed June 29, 1923.

Société

Particular description of goods.—Men's Fashioned Ties Made of Knitted Silk.
Claims use since January, 1923.

Ser. No. 182,592. (CLASS 39. CLOTHING.) L & L KNIT GOODS MFR'S. ASS'N. OF GREATER NEW YORK, INC., Brooklyn, N. Y. Filed June 29, 1923.



We disclaim the exclusive right to the words "Knit Goods," and no claim is made for the words "L & L Knit Goods Mfr's Ass'n of Greater New York Inc." or "Direct from Mill Value" apart from the other features of the mark as shown in the drawing.

Particular description of goods.—Knit Sweaters and Sweater Coats, Vests, Shirts, Capes, Caps, and Mufflers.

Claims use since Nov. 4, 1922.

Ser. No. 182,597. (CLASS 39. CLOTHING.) J. H. LYON & CO., Montgomery, Ala. Filed June 29, 1923.



No claim is made to the word "Hosiery" as shown in the drawing apart from the other features of the mark.

Particular description of goods.—Hosiery.

Claims use since Dec. 5, 1922.

Ser. No. 182,604. (CLASS 39. CLOTHING.) NEW YORK MERCHANDISE COMPANY, New York, N. Y. Filed June 29, 1923.

Tower

Particular description of goods.—Hosiery.

Claims use since Mar. 1, 1923.

Ser. No. 182,676. (CLASS 50. MERCHANDISE NOT OTHERWISE CLASSIFIED.) SCHWARZWAELDER COMPANY, Philadelphia, Pa. Filed June 30, 1923.

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THE "ANTI PLUIE" MAN

Particular description of goods.—Waterproof Fabrics.

Claims use since about January, 1923.

Ser. No. 182,690. (CLASS 39. CLOTHING.) WEBER & HEILBRONER, New York, N. Y. Filed June 30, 1923.

TOWNLINK

Particular description of goods.—Men's Suits.

Claims use since Dec. 6, 1921.

Ser. No. 182,721. (CLASS 12. CONSTRUCTION MATERIALS.) THE RUBEROID CO., Boundbrook, N. J., and New York, N. Y. Filed July 2, 1923.

OCTAB

Particular description of goods.—Bituminized Roofings, Shingles, and Strip Shingles.

Claims use since June 22, 1923.

Ser. No. 183,005. (CLASS 50. MERCHANDISE NOT OTHERWISE CLASSIFIED.) A. STEIN & COMPANY, Chicago, Ill. Filed July 9, 1923.



Particular description of goods.—Rubber Sheeting.

Claims use since July 1, 1912.

Ser. No. 183,079. (CLASS 12. CONSTRUCTION MATERIALS.) MONTGOMERY WARD & CO., Chicago, Ill. Filed July 11, 1923.

RADIO

Particular description of goods.—Prepared Roofings, Roofing Papers, Building Papers, Felt, and Asphalt Shingles.

Claims use since 1913.

Ser. No. 183,128. (CLASS 16. PAINTS AND PAINTERS' MATERIALS.) TOCH BROTHERS, INCORPORATED, New York, N. Y. Filed July 12, 1923.

Toxkote

Particular description of goods.—Flat-White Coatings for Use on Plastered Walls.

Claims use since about May 14, 1923.

Ser. No. 183,204. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) THE FARLEY HARVEY COMPANY, Boston, Mass. Filed July 14, 1923.



Particular description of goods.—Dry Goods—Namely, Linen and Cotton Cloths and Woolen Blankets.

Claims use since May 1, 1913.

TRADE-MARK REGISTRATIONS GRANTED

[ACT OF FEBRUARY 20, 1905.]

SEPTEMBER 4, 1923.

172,513. STOCK AND POULTRY FEED. GRAIN BELT MILLS COMPANY, South St. Joseph, Mo.
Filed November 17, 1922. Serial No. 172,154. PUBLISHED MAY 1, 1923.

172,514. TOILET AND PHARMACEUTICAL PREPARATIONS. CALHOUN, ROBBINS & CO., New York, N. Y.
Filed November 18, 1922. Serial No. 172,207. PUBLISHED MAY 29, 1923.

172,515. GOITER OINTMENT. DR. D. D. MACGILLIVRAY, Pine Village, Ind.
Filed November 20, 1922. Serial No. 172,278. PUBLISHED APRIL 17, 1923.

172,516. ANTISEPTIC SOLUTION, MOUTH WASH, TOOTH PASTE, TALCUM POWDER, AND TOILET CREAM. W. LLOYD WOOD, LIMITED, Toronto, Ontario, Canada.
Filed November 20, 1922. Serial No. 172,308. PUBLISHED MAY 15, 1923.

172,517. HOMOGENIZER FOR RENDERING HOMOGENEOUS THE INGREDIENTS OF COMPOUNDED PRODUCTS. MANTON-GAULIN MANUFACTURING COMPANY, INC., Boston and South Boston, Mass.
Filed November 23, 1922. Serial No. 172,425. PUBLISHED MAY 29, 1923.

172,518. CHEESE. JOHN KIRKPATRICK, Richland Center, Wis.
Filed November 27, 1922. Serial No. 172,599. PUBLISHED MAY 1, 1923.

172,519. LIVER PILLS, HEADACHE TABLETS, EYE BALM, UTERINE TONIC, AND COLD AND GRIP TABLETS. LAZARUS ALTFELD, doing business as Altfeld Drug Co., South Bend, Ind.
Filed December 4, 1922. Serial No. 172,855. PUBLISHED APRIL 17, 1923.

172,520. TOILET PREPARATIONS. E. DALTROFF & CIE., doing business as Parfumerie Caron, Paris, France, assignor to Caron Corporation, a Corporation of New York.
Filed December 27, 1922. Serial No. 173,880. PUBLISHED APRIL 17, 1923.

172,521. LAXATIVE AND CORRECTIVE PREPARATIONS. THE GOTHAM CORPORATION, New York, N. Y.
Filed December 28, 1922. Serial No. 173,928. PUBLISHED APRIL 17, 1923.

172,522. COUGH DROPS, A SEMIMEDICINAL CANDY CONFECTION. SMITH BROTHERS, INC., Poughkeepsie, N. Y.
Filed December 29, 1922. Serial No. 173,985. PUBLISHED MAY 15, 1923.

172,523. HAIR SALVE AND POMADE. HARRY L. RABINOW, doing business as Rabinow Pharmacal Co., New York, N. Y.
Filed November 15, 1922. Serial No. 172,058. PUBLISHED APRIL 17, 1923.

172,524. SINGLE AND DOUBLE TELESCOPES AND BINOCULARS, PHOTOGRAPHIC LENSES AND CAMERAS. VOIGTLÄNDER & SOHN, AKTIENGESELLSCHAFT, Brunswick, Germany.
Filed December 20, 1922. Serial No. 173,613. PUBLISHED MAY 29, 1923.

172,525. PERFUME EXTRACT, TOILET WATER, FACE POWDER, TALCUM POWDER, SACHET, BATH SALT, AND FACE AND COMPLEXION CREAMS. THE LA VALLIERE COMPANY, New Orleans, La.
Filed December 20, 1922. Serial No. 173,604. PUBLISHED MAY 29, 1923.

172,526. MEDICINAL TONICS. H. CLAY BROWN, doing business as The Bon-Quin Co., Shreveport, La.
Filed December 20, 1922. Serial No. 173,589. PUBLISHED APRIL 17, 1923.

172,527. KAPOK AND CRUDE RUBBER. NETHERLANDS CORPORATION FOR OVERSEA TRADE, INC., New York, N. Y.
Filed December 18, 1922. Serial No. 173,524. PUBLISHED JUNE 5, 1923.

172,528. KAPOK AND CRUDE RUBBER. NETHERLANDS CORPORATION FOR OVERSEA TRADE, INC., New York, N. Y.
Filed December 18, 1922. Serial No. 173,522. PUBLISHED JUNE 5, 1923.

172,529. MEDICINE FOR TUBERCULOSIS, PNEUMONIA, AND PLEURISY. TADASHI D. GOMI, New York, N. Y.
Filed December 9, 1922. Serial No. 173,131. PUBLISHED APRIL 17, 1923.

172,530. DRY POWDERED EXTRACT OF LOGWOOD, BEING A VEGETABLE DYE. THE YORKSHIRE DYEWARE & CHEMICAL COMPANY, LTD., Leeds, England
Filed December 7, 1922. Serial No. 173,064. PUBLISHED MAY 15, 1923.

172,531. PERFUMES, TOILET WATERS, COMPLEXION POWDERS, TALCUM POWDERS, AND SACHETS. UNITED DRUG COMPANY, doing business as Langlois, Boston, Mass.
Filed December 23, 1922. Serial No. 173,793. PUBLISHED MAY 29, 1923.

172,532. TOILET PREPARATIONS. E. DALTROFF & CIE., doing business as Parfumerie Caron, Paris, France, assignor to Caron Corporation, a Corporation of New York.
Filed December 27, 1922. Serial No. 173,876. PUBLISHED APRIL 17, 1923.

172,533. COLORS FOR FROSTING LAMPS. CHEMICAL NOVELTY CO., INC., New York, N. Y.
Filed January 2, 1923. Serial No. 174,071. PUBLISHED JUNE 5, 1923.

172,534. CHEESE. C. E. ZUERCHER & CO., Chicago, Ill.
Filed December 30, 1922. Serial No. 174,052. PUBLISHED MAY 15, 1923.

172,535. PASTRY FLOUR. THE NEAL MANUFACTURING CO., Cleveland, Ohio.
Filed December 30, 1922. Serial No. 174,022. PUBLISHED MAY 15, 1923.

172,536. MEDICINE FOR THE TREATMENT OF DIPHTHERIA AND MEMBRANOUS CROUP. JOHN T. STAPLETON and JOHN TRACY STAPLETON, Shoals, Ind.
Filed December 27, 1922. Serial No. 173,905. PUBLISHED MAY 8, 1923.

172,537. OINTMENT FOR ECZEMA AND IRRITATIONS OF THE SKIN. PARKE, DAVIS & COMPANY, Detroit, Mich.
Filed December 27, 1922. Serial No. 173,903. PUBLISHED MAY 8, 1923.

172,538. TOILET PREPARATIONS. E. DALTROFF & CIE., doing business as Parfumerie Caron, Paris, France, assignor to Caron Corporation, a Corporation of New York.
Filed December 27, 1922. Serial No. 173,881. PUBLISHED MAY 29, 1923.

172,539. TOILET PREPARATIONS. E. DALTROFF & CIE., doing business as Parfumerie Caron, Paris, France, assignor to Caron Corporation, a Corporation of New York.
Filed December 27, 1922. Serial No. 173,877. PUBLISHED MAY 29, 1923.

172,540. CARNOTITE BATHS. AMERICUS OJEDA MCMICHAEL, doing business as Carnotite Gland Extract Company, Denver, Colo.
Filed December 27, 1922. Serial No. 173,870. PUBLISHED MAY 8, 1923.

172,541. RADIATOR CEMENT. TRY-ME RADIATOR CEMENT COMPANY, Denver, Colo.
Filed December 26, 1922. Serial No. 173,866. PUBLISHED MAY 8, 1923.

172,542. MEDICATED TABLETS FOR HEADACHES, NEURALGIA, AND MINOR PAINS. THEODORE J. MUELLER, West Allis, Wis., assignor to Libby Chemical Company, West Allis, Wis., a Corporation of Wisconsin.
Filed December 26, 1922. Serial No. 173,850. PUBLISHED MAY 15, 1923.

172,543. CULINARY SALT. EMILE FEUILLIE, Paris, France.
Filed December 26, 1922. Serial No. 173,824. PUBLISHED MAY 15, 1923.

172,544. ALCOHOL LOTION. THE FINE PRODUCTS COMPANY, Pittsburgh, Pa.
Filed December 26, 1922. Serial No. 173,822. PUBLISHED MAY 8, 1923.

172,545. MEDICATED CAPSULES FOR COLDS, LA GRIPPE, HEADACHE, MALARIA, ETC. ROBERT R. FERBER, West Allis, Wis., assignor to Libby Chemical Company, West Allis, Wis., a Corporation of Wisconsin.
Filed December 26, 1922. Serial No. 173,821. PUBLISHED MAY 15, 1923.

172,546. MEDICINAL AND CHEMICAL SUBSTANCES. THE ARLINGTON CHEMICAL COMPANY, Yonkers, N. Y.
Filed December 20, 1922. Serial No. 173,587. PUBLISHED MAY 8, 1923.

172,547. EGG DYE. SCHROEDER & HINKLE, Columbia, Pa.
Filed December 18, 1922. Serial No. 173,537. PUBLISHED MAY 29, 1923.

172,548. CAPS FOR MEN, WOMEN, AND CHILDREN. THE BAMBERGER REINTHAL COMPANY, Cleveland, Ohio.
Filed December 18, 1922. Serial No. 173,459. PUBLISHED JUNE 5, 1923.

172,549. PISTON RINGS. THE HOOVEN, OWENS, RENTSCHLER COMPANY, Hamilton, Ohio.
Filed December 15, 1922. Serial No. 173,356. PUBLISHED JUNE 5, 1923.

172,550. CREAMS SUITABLE FOR THE TREATMENT OF FRECKLES. JAMES HULME BEREMAN, doing business as Stillman Freckle Cream Co., Aurora, Ill.
Filed December 14, 1922. Serial No. 173,318. PUBLISHED MAY 29, 1923.

172,551. FUR. SALOMON & WIENER, INC., New York, N. Y.
Filed December 11, 1922. Serial No. 173,214. PUBLISHED JUNE 5, 1923.

172,552. WHEAT FLOUR. THE J. C. LYSLE MILLING COMPANY, Leavenworth, Kans.
Filed December 8, 1922. Serial No. 173,099. PUBLISHED MAY 15, 1923.

172,553. PAPER TOWELS, PAPER NAPKINS. INDEPENDENT PAPER MILLS, INC., Brooklyn, N. Y.
Filed January 3, 1923. Serial No. 174,141. PUBLISHED APRIL 3, 1923.

LABELS

REGISTERED SEPTEMBER 4, 1923.

26,339.—*Title:* THE DR. BUTLER TOOTH BRUSH. For Toothbrushes. JOHN O. BUTLER, Chicago, Ill. Published June 29, 1923.

26,340.—*Title:* MARGARET'S. For a Hair Tonic. MARGARET G. CASAVANT, doing business as M. G. & F. C. Casavant, Haverhill, Mass. Published June 13, 1922.

26,341.—*Title:* DANYA. For Rouge Vanishing Cream. DANYA, INC., New York, N. Y. Published March 8, 1923.

26,342.—*Title:* HABERMAN'S VIEWS OF NEW YORK. For Souvenir Postal Cards. HERMAN W. HABERMAN, Brooklyn, N. Y. Published May 10, 1923.

26,343.—*Title:* HART-FORD. For Containers for Hosiery. W. H. HARTFORD and J. N. HARTFORD, Nashville, Tenn. Published July 5, 1923.

26,344.—*Title:* DROMEDARY COCOANUT. For Packaged Coconut. THE HILLS BROTHERS COMPANY, New York, N. Y. Published July 12, 1923.

26,345.—*Title:* DIXIE CUPS. For Drinking Cups. INDIVIDUAL DRINKING CUP COMPANY, INC., Easton, Pa. Published June 25, 1923.

26,346.—*Title:* WE PUT THE 'O'S IN POTATO'S. For Potato Waffles or Chips. KAISER-FORD CO., Los Angeles, Calif. Published April 24, 1923.

26,347.—*Title:* LION. For a Water-Softener Washing Powder. MARTIN LUTHER KEAGY, doing business as Lion Chemical Laboratories, Canton, Ohio. Published April 1, 1923.

26,348.—*Title:* SUN-E-ISLE GRAPE FRUIT. For Grapefruit. THE KOPF BROS. CO., New Haven, Conn. Published July 2, 1923.

26,349.—*Title:* PER-SPIRE-GONE. For an Antiseptic and Deodorant. GEO. L. MARGOWSKI, doing business under name of J. & G. Laboratory, Detroit, Mich. Published June 5, 1923.

26,350.—*Title:* MEL-AROMA. For a Remedy for Stomach Disorders and Constipation. ISADORE A. MELNICK, Los Angeles, Calif. Published June 19, 1923.

26,351.—*Title:* RAISIN BREAD MADE WITH SUN-MAID RAISINS. For Bread. MENASHA PRINTING AND CARTON COMPANY, Menasha, Wis. Published July 11, 1923.

26,352.—*Title:* FRUIT-KIST. For Lip Sticks. THE MYNUETTE COMPANY, Milwaukee, Wis. Published March 6, 1923.

26,353.—*Title:* PECK'S PURE PAINTS. For Paint. ELBERT C. PECK, Los Angeles, Calif. Published July 2, 1923.

26,354.—*Title:* ELITE. For Cigars. ALBERT SIMA, Chicago, Ill. Published July 20, 1923.

26,355.—*Title:* AMBEROL. For a Liquid Shampoo. TOILET PRODUCTS "A" CO., Brooklyn, N. Y. Published May 10, 1923.

26,356.—*Title:* TOILET WATER. For Toilet Water. TOILET PRODUCTS "A" CO., Brooklyn, N. Y. Published May 10, 1923.

26,357.—*Title:* THE TEACHEWRSELF DANCE RECORD. For Dance Records. MAX F. TROSTLER, Cleveland, Ohio. Published June 21, 1923.

26,358.—*Title:* TWINKLE. For a Metal and Glass Polish. TWINKLE POLISH CORPORATION, New York and Brooklyn, N. Y. Published July 2, 1923.

26,359.—*Title:* ARROWHEAD SHOVELS, SCOOPS, SPADES. For Shovels, Scoops, and Spades. UNION FURNACE MANUFACTURING COMPANY, INC., Union Furnace and Altoona, Pa. Published June 2, 1923.

26,360.—*Title:* WARD'S MOTHER HUBBARD BREAD. For Bread. WARD BAKING COMPANY, New York, N. Y. Published July 13, 1922.

26,361.—*Title:* WARD'S BREKO LOAF. For Cake. WARD BAKING COMPANY, New York, N. Y. Published July 5, 1922.

26,362.—*Title:* THE OLD FASHIONED KIND. For Vanilla. M. G. WEBB FLAVORING PRODUCTS CO., Newark, N. J. Published June 27, 1923.

PRINTS

REGISTERED SEPTEMBER 4, 1923.

6,873.—*Title:* BRIEF-O'GRIP. For Brief Cases. MAX DAMM CO., INC., Newark, N. J., and New York, N. Y. Published July 7, 1923.

6,874.—*Title:* LIBBY'S FANCY RED ALASKA SALMON. For Salmon. LIBBY, MCNEILL & LIBBY, Chicago, Ill. Published May 20, 1923.

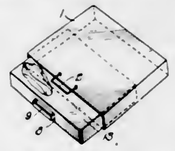
6,875.—*Title:* "ONYX" HOSIERY. For Hosiery. "ONYX" HOSIERY INC., New York, N. Y. Published July 1, 1923.

6,876.—*Title:* THREE STAR BRANDS. For Bronze Powders. UNITED STATES BRONZE POWDER WKS. INC., New York, N. Y. Published July 1, 1923.

REISSUES.

SEPTEMBER 4, 1923.

15,683. METHOD AND APPARATUS FOR HANDLING COMESTIBLES. PAUL W. PETERSEN, Bay City, Mich. Filed June 16, 1923. Serial No. 645,895. Original No. 1,422,126, dated July 11, 1922, Serial No. 507,170, filed Oct. 12, 1921. 7 Claims. (Cl. 99—14.)



2. An apparatus for handling comestibles comprising an open pan, a telescopic lid therefor, and a second water-tight can having an open end wherein said pan and lid may be inserted, said can having a tapering form longitudinally of its length and with and slidingly engaging with said pan and lid.

7. The process of freezing a plurality of fish without appreciable evaporation of moisture therefrom which consists in tightly packing the fish within a comparatively deep, elongated, narrow container and thereby substantially minimizing air pockets within the container, and then immersing the container in a low temperature refrigerating liquid of a level not permitting the entry of the refrigerant into the container, but substantially on a par with or above the level of the comestible contained therein, whereby all parts of the fish may come into close proximity of the surrounding refrigerating liquid and whereby a rapid dissipation of heat takes place from the closely packed fish directly contacting with the container walls.

DESIGNS.

SEPTEMBER 4, 1923.

62,973. SPOON OR SIMILAR ARTICLE. GROSVENOR N. ALLEN, Oneida, N. Y., assignor to Oneida Community, Limited, Oneida, N. Y. Filed July 12, 1922. Serial No. 3,050. Term of patent 14 years.



The ornamental design for a spoon or similar article, as shown.

62,974. SPOON OR SIMILAR ARTICLE. GROSVENOR N. ALLEN, Oneida, N. Y., assignor to Oneida Community, Limited, Oneida, N. Y. Filed July 12, 1922. Serial No. 3,052. Term of patent 14 years.



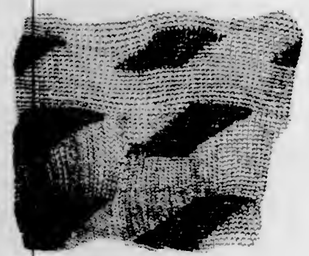
The ornamental design for a spoon or similar article, as shown.

62,975. RING. CHARLES W. BAILEY, Philadelphia, Pa. Filed Aug. 16, 1922. Serial No. 3,400. Term of patent 7 years.



The ornamental design for a ring as shown.

62,976. KNITTED RIB FABRIC. HERBERT T. BALLARD, Norristown, Pa. Filed Dec. 27, 1921. Serial No. 525,266. Term of patent 7 years.



The ornamental design for a knitted rib fabric, as shown.

62,977. RING. CHAMP J. BARTH and JOSEPH RAYMOND PIERCE, Minneapolis, Minn. Filed Feb. 20, 1923. Serial No. 5,214. Term of patent 7 years.



The ornamental design for a ring, as shown.

62,978. RING. CHAMP J. BARTH and JOSEPH RAYMOND PIERCE, Minneapolis, Minn. Filed Feb. 20, 1923. Serial No. 5,216. Term of patent 7 years.



The ornamental design for a ring, as shown.

62,979. RING. CHAMP J. BARTH and JOSEPH RAYMOND PIERCE, Minneapolis, Minn. Filed Feb. 20, 1923. Serial No. 5,217. Term of patent 7 years.



The ornamental design for a ring, as shown.

62,980. RING. CHAMP J. BARTH and JOSEPH RAYMOND PIERCE, Minneapolis, Minn. Filed Feb. 20, 1923. Serial No. 5,218. Term of patent 7 years.



The ornamental design for a ring, as shown.

62,981. HAND BAG. JOHN CYGANIEWICZ, Chicago, Ill. Filed Jan. 25, 1923. Serial No. 4,984. Term of patent 14 years.



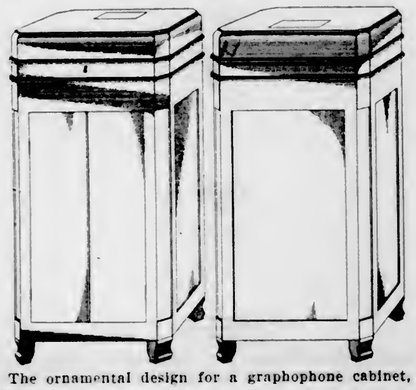
The ornamental design for a hand bag as shown.

62,982. BODY PART FOR LIGHTING FIXTURES. THURE E. DAHL, New York, N. Y., assignor to Lightoller Company, New York, N. Y., a Corporation of New York. Filed July 21, 1921. Serial No. 486,582. Term of patent 3½ years.



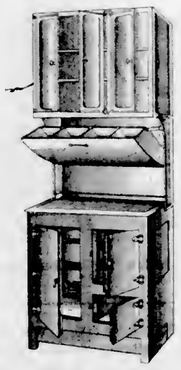
The ornamental design for a body part for lighting fixtures, as shown.

62,983. GRAPHOPHONE CABINET. DONATO DI CARLO, Philadelphia, Pa. Filed Aug. 14, 1922. Serial No. 3,373. Term of patent 3½ years.



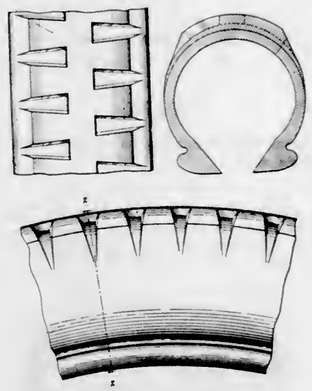
The ornamental design for a graphophone cabinet, as shown.

62,984. COMBINED REFRIGERATOR AND CABINET. NORVIN H. FRANKS, Chicago, Ill., assignor to Cabranette Corporation, Chicago, Ill., a Corporation of Illinois. Filed July 29, 1921. Serial No. 488,482. Term of patent 14 years.



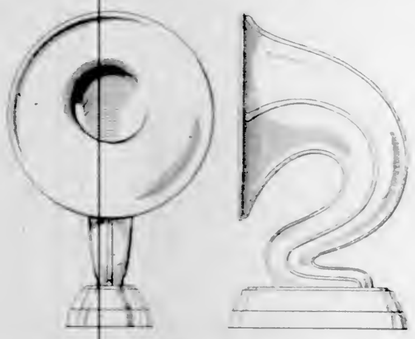
The ornamental design for a combined refrigerator and cabinet, as shown.

62,985. TIRE. ELUE O. FRITCH, Belmont, Mass., assignor to Hood Rubber Company, Watertown, Mass., a Corporation of Massachusetts. Filed Mar. 2, 1922. Serial No. 978. Term of patent 14 years.



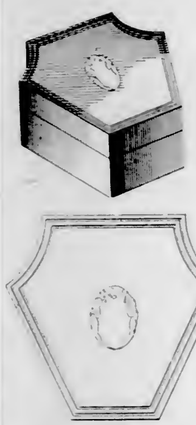
The ornamental design for a tire, as shown.

62,986. LOUD-SPEAKING RECEIVER. CARL W. HECK, Hastings-on-Hudson, N. Y., assignor to Western Electric Company, Incorporated, New York, N. Y., a Corporation of New York. Filed Dec. 29, 1922. Serial No. 4,753. Term of patent 14 years.



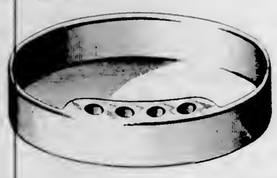
The ornamental design for a loud speaking receiver, as shown.

62,987. FACE-POWDER BOX. WILLIAM H. GREEN, New York, N. Y., assignor to The Remiller Co., New York, N. Y., a Corporation of New York. Filed Dec. 7, 1922. Serial No. 4,518. Term of patent 14 years.



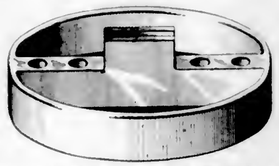
The ornamental design for a face powder box, substantially as shown.

62,988. ASH TRAY. WILLIAM HANLEY, East Orange, N. J., assignor to Ferguson Brothers Manufacturing Company, Hoboken, N. J., a Corporation of New Jersey. Filed May 19, 1922. Serial No. 2,321. Term of patent 7 years.



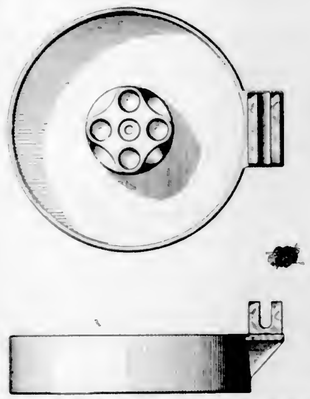
The ornamental design for an ash tray substantially as shown.

62,989. ASH TRAY. WILLIAM HANLEY, East Orange, N. J., assignor to Ferguson Brothers Manufacturing Company, Hoboken, N. J., a Corporation of New Jersey. Filed May 19, 1922. Serial No. 2,322. Term of patent 7 years.



The ornamental design for an ash tray substantially as shown.

62,990. ASH TRAY. WILLIAM HANLEY, East Orange, N. J., assignor to Ferguson Brothers Manufacturing Company, Hoboken, N. J., a Corporation of New Jersey. Filed May 19, 1922. Serial No. 2,323. Term of patent 7 years.



The ornamental design for an ash tray substantially as shown.

62,991. PRECIOUS, OR SEMIPRECIOUS, OR SYNTHETIC STONE, OR AN IMITATION THEREOF, OR AN ARTICLE OF SIMILAR NATURE. MILTON J. HELLER, New York, N. Y., assignor to L. Heller & Son, Inc., New York, N. Y., a Corporation of New York. Filed Mar. 29, 1923. Serial No. 5,640. Term of patent 3½ years.



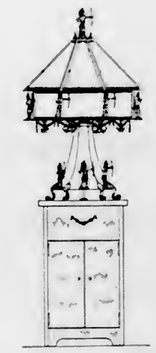
The ornamental design for a precious, or semiprecious, or synthetic stone, or an imitation thereof, or an article of similar nature, as shown.

62,992. PRECIOUS, OR SEMIPRECIOUS, OR SYNTHETIC STONE, OR AN IMITATION THEREOF, OR AN ARTICLE OF SIMILAR NATURE. MILTON J. HELLER, New York, N. Y., assignor to L. Heller & Son, Inc., New York, N. Y., a Corporation of New York. Filed Mar. 29, 1923. Serial No. 5,641. Term of patent 3½ years.



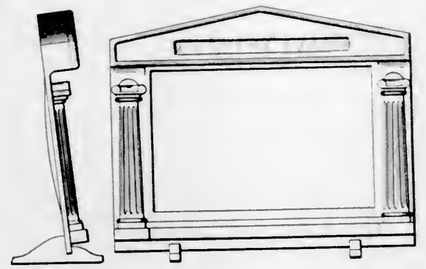
The ornamental design for a precious, or semiprecious, or synthetic stone, or an imitation thereof, or an article of similar nature, as shown.

62,993. COMBINED PHONOGRAPH AND ADVERTISING CABINET. WILLIAM C. HUNT, Toronto, Ontario, Canada. Filed Mar. 27, 1922. Serial No. 1,401. Term of patent 3½ years.



The ornamental design for a combined phonograph and advertising cabinet, as shown.

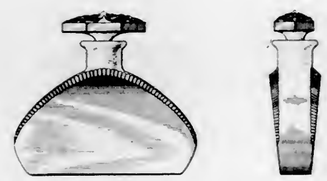
62,994. ILLUMINATED SIGN. ALEXANDER W. KAUCHER, Rochester, N. Y. Filed Oct. 18, 1922. Serial No. 4,019. Term of patent 7 years.



The ornamental design for an illuminated sign, as shown.

62,995. BOTTLE. WILLIAM KROPFF, New York, N. Y. Filed Feb. 3, 1923. Serial No. 5,061. Term of patent 7 years.

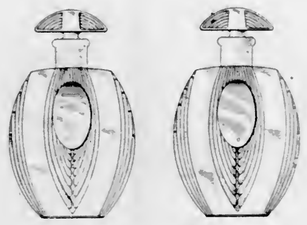




The ornamental design for a bottle, as shown.

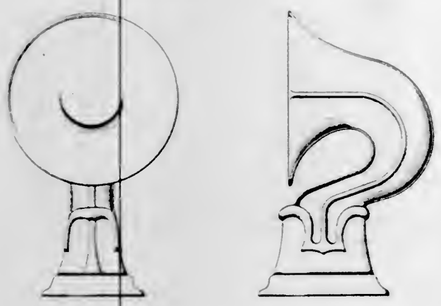
62,996. BOTTLE. WILLIAM KROPFF, New York, N. Y. Filed Feb. 3, 1923. Serial No. 5,062. Term of patent 7 years.





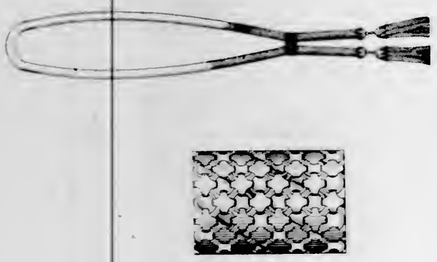
The ornamental design for a bottle, as shown.

62,997. LOUD-SPEAKING TELEPHONE RECEIVER. GEORGE R. LEM, New York, N. Y., assignor to Western Electric Company, Incorporated, New York, N. Y., a Corporation of New York. Filed Dec. 14, 1922. Serial No. 4,593. Term of patent 7 years.



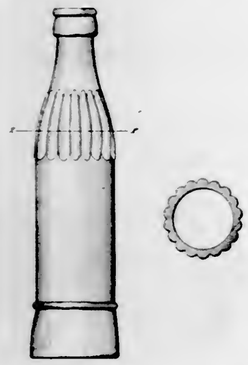
The ornamental design for a loud speaking telephone receiver, as shown.

62,998. GIRDLE. SAHATIEL G. MANDALIAN, North Attleboro, Mass. Filed Jan. 27, 1922. Serial No. 407. Term of patent 7 years.



The ornamental design for a girdle, as shown.

62,999. BOTTLE. WILLIAM BAIRD MARBLE, Los Angeles, Calif., assignor to Southern Glass Company, a Corporation of California. Filed May 22, 1922. Serial No. 2,370. Term of patent 14 years.



The ornamental design for a bottle, as shown.

63,000. PERFUME CONTAINER. CHARLES LIONEL MARCUS, New York, N. Y. Filed Mar. 8, 1923. Serial No. 5,410. Term of patent 14 years.



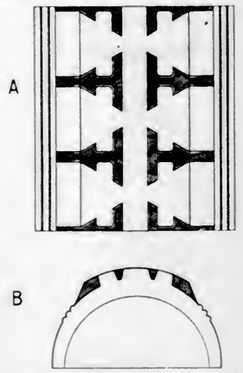
The ornamental design for a perfume container as shown and described.

63,001. RUG-DISPLAY RACK. FRANK MICHELBACH, Del Ray, Va. Filed Jan. 9, 1923. Serial No. 4,840. Term of patent 7 years.



The ornamental design for a rug display rack as shown.

63,002. NONSKID TREAD FOR A PNEUMATIC TIRE. ALBERT LINN MURRAY, Auburn, Ind., assignor to Auburn Rubber Co., Auburn, Ind. Filed Jan. 22, 1923. Serial No. 4,964. Term of patent 3½ years.



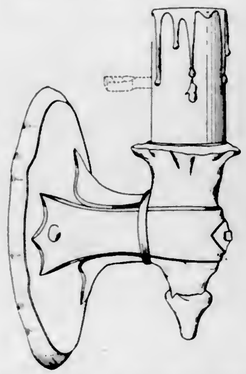
The ornamental design for a nonskid tread for a pneumatic tire, as shown.

63,003. LAMP SHADE. ALBERT J. D. OHM, Astoria, N. Y., assignor to Max Schaffer Co., a Corporation of New York. Filed Dec. 16, 1922. Serial No. 4,612. Term of patent 3½ years.



The ornamental design for a lamp shade as shown.

63,004. ELECTRIC-LIGHT BRACKET. CEPHAS B. ROGERS, Danbury, Conn. Filed Dec. 9, 1922. Serial No. 4,532. Term of patent 3½ years.



The ornamental design for an electric light bracket, as shown.

63,005. VANITY BOX. EDWIN ROSS, New York, N. Y., assignor to Woodworth, Incorporated, New York, N. Y., a Corporation of New York. Filed Jan. 19, 1923. Serial No. 4,938. Term of patent 7 years.



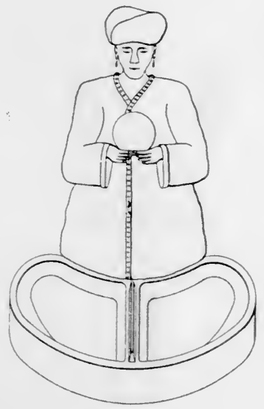
The ornamental design for a vanity box, as shown and described.

63,006. LAMP. WALTER RYLANDER, Americus, Ga. Filed Mar. 28, 1922. Serial No. 1,423. Term of patent 3½ years.



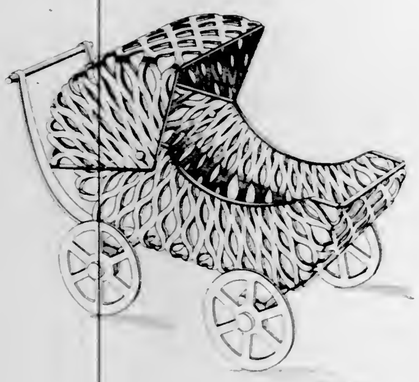
The ornamental design for a lamp, as shown.

63,007. GAME FIGURE. INGEMAR K. RYSTEDT, Dayton, Ohio, assignor, by direct and mesne assignments, to The Rystedt-Engineering Company, Dayton, Ohio, a Corporation of Ohio. Filed June 19, 1922. Serial No. 2,737. Term of patent 3½ years.



The ornamental design for a game figure as shown.

63,008. TOY BABY CAB. MICHEL SANTOIANNI, Chicago, Ill. Filed Dec. 24, 1921. Serial No. 524,779. Term of patent 7 years.



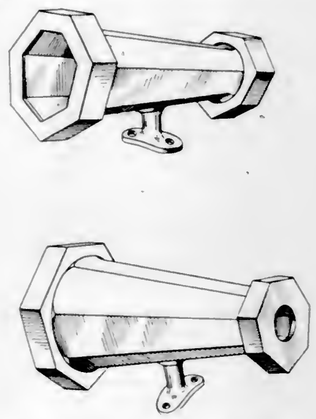
The ornamental design for a toy baby cab as herein shown and described.

63,009. CATCH FOR NECKLACES. HARRY C. SCHICK, Newark, N. J. Filed Feb. 7, 1923. Serial No. 5,102. Term of patent 3½ years.



The ornamental design for a catch for necklaces, as shown.

63,010. LAMP. ALFRED SCHNITKER, Cincinnati, Ohio, assignor to George S. Wilkymacky, Cincinnati, Ohio. Filed Dec. 4, 1922. Serial No. 4,492. Term of patent 3½ years.



The ornamental design for a lamp, as shown.

63,011. CASING FOR AN ELECTRIC WAY AND STOP SIGNAL DEVICE FOR AUTOMOBILES AND OTHER VEHICLES. EDMUND VORBROKER, Cincinnati, Ohio. Filed Oct. 16, 1922. Serial No. 3,991. Term of patent 3½ years.



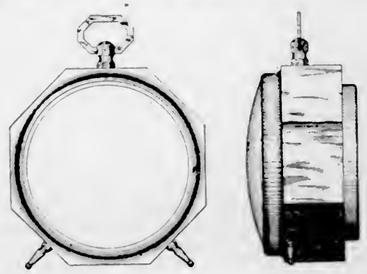
The ornamental design for casing for an electric way and stop signal device for automobiles and other vehicles, as shown.

63,012. STATUETTE. DANIEL A. WECHSLER, New York, N. Y., assignor to Wechsler-Barber Silk Company, Inc., New York, N. Y., a Corporation of New Jersey. Filed Mar. 14, 1923. Serial No. 5,466. Term of patent 3½ years.



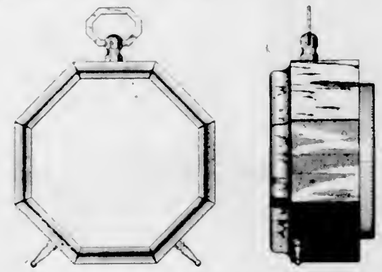
The ornamental design for a statuette, as shown.

63,013. CLOCK CASE. RICHARD H. WHITEHEAD, New Haven, Conn., assignor to New Haven Clock Co., New Haven, Conn., a Corporation. Filed Feb. 7, 1923. Serial No. 5,108. Term of patent 14 years.



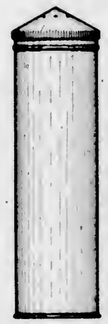
The ornamental design for a clock case as shown.

63,014. CLOCK CASE. RICHARD H. WHITEHEAD, New Haven, Conn., assignor to New Haven Clock Co., New Haven, Conn., a Corporation. Filed Feb. 13, 1923. Serial No. 5,166. Term of patent 14 years.



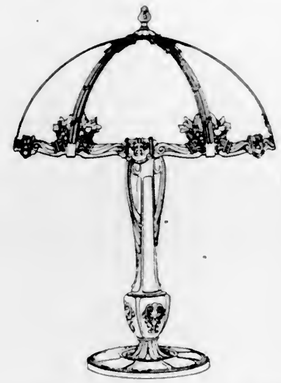
The ornamental design for a clock case as shown.

63,015. TOILET-POWDER RECEPTACLE. PHILIP K. WILLIAMS, Glastonbury, Conn., assignor to The J. B. Williams Company, Glastonbury, Conn., a Corporation of Connecticut. Filed Dec. 15, 1922. Serial No. 4,604. Term of patent 14 years.



The ornamental design for a toilet powder receptacle, as shown in the accompanying drawing.

63,016. LAMP. HERMAN H. WOLTER, Meriden, Conn., assignor to Edward Miller & Company, Meriden, Conn., a Corporation of Connecticut. Filed Dec. 15, 1922. Serial No. 4,606. Term of patent 3½ years.



The ornamental design for a lamp substantially as shown.

63,017. LAMP. HERMAN H. WOLTER, Meriden, Conn., assignor to Edward Miller & Company, Meriden, Conn., a Corporation of Connecticut. Filed Dec. 15, 1922. Serial No. 4,607. Term of patent 3½ years.



The ornamental design for a lamp substantially as shown.

63,018. LAMP. HERMAN H. WOLTER, Meriden, Conn., assignor to Edward Miller & Company, Meriden, Conn., a Corporation of Connecticut. Filed Dec. 15, 1922. Serial No. 4,608. Term of patent 3½ years.



The ornamental design for a lamp substantially as shown.

PATENTS

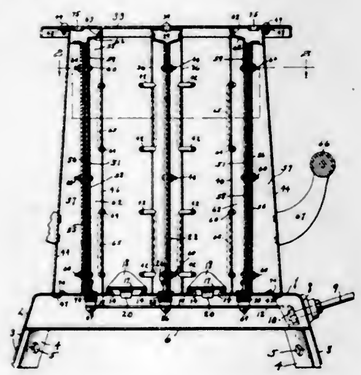
GRANTED SEPTEMBER 4, 1923.

1,466,655. AUTOMATIC STARTING AND STOPPING DEVICE FOR GRAPHOPHONES. FRANK F. AKERLY, Chicago, Ill., assignor to Columbia Graphophone Manufacturing Company, Bridgeport, Conn., a Corporation of Delaware. Filed Apr. 26, 1918. Serial No. 230,957. 29 Claims. (Cl. 192—118.)



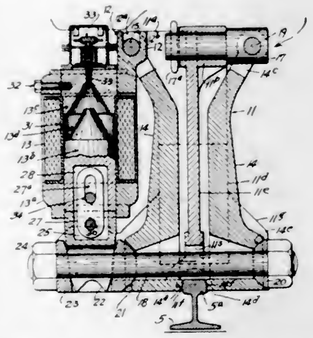
1. In a controlling mechanism for a graphophone, the combination with a traveling arm and a member movable relatively thereto, of a two-position controller, a sliding bar connected to said controller, a spring for moving said bar in one direction, a part mounted on said traveling arm in position to engage with said bar and move it against the tension of the spring when the traveling arm is brought into position to place the needle on a record, a lock device for holding said bar in the position into which it is moved by the traveling arm, a lever adapted to be moved by the traveling arm as the latter is swung toward the center of the record, and mechanism controlled by said member movable relatively to the traveling arm and including a part interconnected between said bar and said lever for tripping said lock device and permitting the spring to move the bar.

1,466,656. ELECTRIC TOASTER. CLARENCE E. BARR and THOMAS E. JACKSON, Detroit, Mich., assignors of one-fourth to Florence King Allen and one-fourth to William M. Mervin, both of Detroit, Mich. Filed Apr. 17, 1922. Serial No. 554,066. 11 Claims. (Cl. 219—19.)



1. A toaster comprising a base, a top, a series of parallel heating elements extending substantially the length of the toaster, between the base and the top, and casings for the outer heating elements.

1,466,657. RAIL CLAMP FOR OVERHEAD CRANES. BRENT C. JACOB, Cleveland, Ohio, assignor to The Brown Hoisting Machinery Company, Cleveland, Ohio, a Corporation. Filed Nov. 7, 1922. Serial No. 599,536. 4 Claims. (Cl. 188—43.)



1. A clamping device for securing overhead cranes, and similar structures, to their supporting rails com-

prising the combination of a casing, oppositely disposed arms pivotally suspended therefrom in a common plane of rotation, one of said members being in a secondary plane of rotation transverse to the common plane, the other arm being held against movement in that direction; jaws fixed on said arms; inwardly flaring apertures through the jaws; a bolt passing through the apertures; a fixed bearing-part on the bolt on one side of the arms, and a movable bearing-part on the other side, said parts being in suitable alignment to securely engage the arms when moved against the same for the purpose, and having suitable superficial configurations at their points of engagement, to complement suitable configurations provided for the purpose on the arms, and thereby insure flexibility to the engagements effected, together with suitable means, operating on said movable part, for pressing said arms into opposite contact with the rail, and holding the parts contributing to such contact in their relative places, and means for releasing said holding means, and contact, substantially as shown and described.

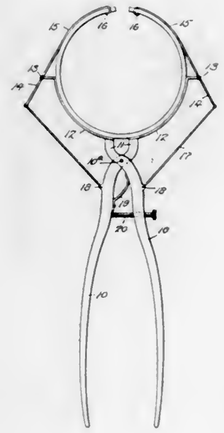
1,466,658. SHIPPING BAG. RUSSELL S. JONES, Chicago, Ill. Filed Apr. 17, 1922. Serial No. 553,755. 2 Claims. (Cl. 229—53.)



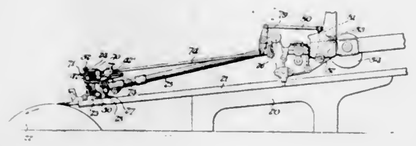
2. The combination with a bag; of a tag having one end adjacent the bag neck and the other end nearer the bag bottom; and a sealing device comprising a block, a string having its ends passing through said block and its loop passing about the neck of the bag and the adjacent end of the tag and serving to gather the bag neck and this end of the tag against said block, and a prong carried by the block upon the side thereof adjacent the bag neck and passing through said tag.

1,466,659. PISTON-RING REMOVER. JACK B. KABANUCK, Max, N. Dak. Filed Mar. 27, 1922. Serial No. 547,051. 5 Claims. (Cl. 29—86.4.)

1. In a piston ring remover, a pair of plier connected members, divergent members secured to the ends of the jaw portions of the plier members, levers pivotally connected to the ends of the divergent portions and each provided at one end thereof with a hook adapted to engage in the slot of the piston ring, and links pivotally connected to the free ends of said levers and to the handle portions of the plier members.



1,466,660. SHEET-REGISTERING DEVICE. HOWARD K. KING, Philadelphia, Pa., assignor to Chambers Brothers Company, a Corporation of Pennsylvania. Filed Oct. 6, 1921. Serial No. 505,731. 19 Claims. (Cl. 271—59.)

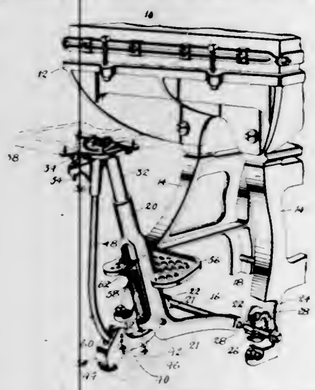


1. In a sheet registering device, the combination of a supporting frame, a bar adjustably supported therein, a side stop adjustably secured thereto, means for securing a preliminary adjustment of the side stop on the bar and means for securing final exact adjustment of the bar in the frame.

1,466,661. OPERATOR'S CHAIR. CLYDE L. KNOTT, Beverly, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J., a Corporation of New Jersey. Filed Jan. 8, 1920. Serial No. 350,121. 7 Claims. (Cl. 155—80.)

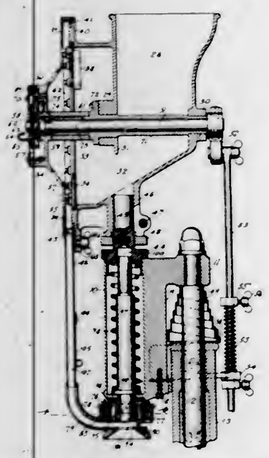
1. A support for a chair comprising, in combination, a fixed pivot, a member mounted to swing about said

pivot and adapted to carry a chair seat, and a link pivotally connected to said member and arranged to



maintain said member in either of two extreme positions by contact with the floor.

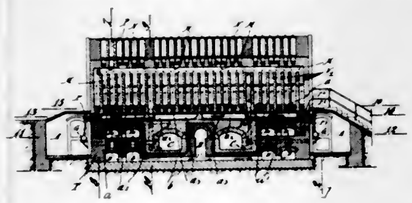
1,466,662. BOTTLE-CAPPING MACHINE. CONSTANT J. KRYZANOWSKY, Mount Washington, Md., assignor to The Crown Cork and Seal Company of Baltimore City, Baltimore, Md., a Corporation of Maryland. Filed May 26, 1917. Serial No. 171,986. 4 Claims. (Cl. 226—88.1.)



1. In an apparatus for feeding crown, the combination, with a hopper, of means for forming an annular storage channel carried by said hopper, a crown cage and selecting dial secured to each other and insertable into and removable from the central opening of the annular storage means, said crown cage and dial being arranged to deliver crowns to the storage channel, a chute arranged to conduct away crowns from a low point of said storage channel, a shaft, means for rotating said shaft, a clutch member fixed to the shaft, a clutch member removable with the crown cage and dial, and means carried by the crown cage for engaging the removable clutch member.

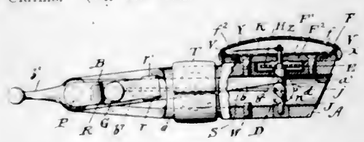
1,466,663. COKE OVEN. EUGÈNE LECOCQ, Brussels, Belgium. Filed Feb. 11, 1918. Serial No. 216,565. 4 Claims. (Cl. 202—9.) (Granted under the provisions of the act of Mar. 3, 1921, 41 Stat. L., 1313.)

4. In a coke-oven of the kind described, in combination, horizontal coking chambers, heating chambers adjacent to said coking chambers and each divided into four groups of vertical heating flues and two descending flues for the escape of the burnt gases, each of said descending flues being arranged between two adjacent groups of vertical heating flues, means for collecting and removing the burnt gases from the descending flues, means whereby the said groups of vertical heating flues are supplied with gas, independently of each other, air-channels under the hearth of each coking chamber, the



said air-channels being arranged in such a manner that two adjacent groups of vertical heating flues in a same heating chamber are supplied with air from opposite ends of the oven, air galleries arranged laterally at both ends of the oven, said galleries communicating in alternance with the said air channels and passing under and around the burnt gas, collecting and removing means whereby heat of the lower structure of the oven can be recuperated and the loss of heat can be practically avoided.

1,466,664. TEST INDICATOR. HENRY A. LOWE, Cleveland, Ohio. Filed Feb. 17, 1919. Serial No. 277,438. 14 Claims. (Cl. 33—172.)



1. In a test indicator, the combination of a body, an indicator operating lever arm pivoted thereto and provided concentric with respect to its pivotal axis with an annular row of serrations, a work engaging lever arm which is formed with complementary serrations which engage the serrations of the first named lever arm, a spring secured to the indicator operating arm and engaging the outer face of the work engaging lever arm adjacent the axis thereof and acting to yieldingly hold the two serrated surfaces in engagement.

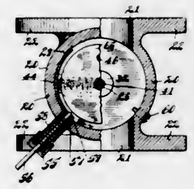
1,466,665. PROCESS OF MAKING GLYCERIN. KARL P. MCELROY, Washington, D. C., assignor, by mesne assignments, to Carbide and Carbon Chemicals Corporation, a Corporation of New York. Filed Aug. 6, 1917. Serial No. 184,601. 4 Claims. (Cl. 260—156.5.)

1. The process of making synthetic glycerin from petroleum oil, which comprises gasifying such oil under conditions producing an oil gas rich in propylene, treating such gas with an amount of chlorin sufficient to react with the propylene but not with the ethylene present, recovering the products of reaction, chlorinating to add an additional chlorin atom and converting the product so produced into glycerin.

1,466,666. VALVE. WALKER E. MARSHALL, Springfield, Ohio, assignor of forty-five per cent to Ira M. Eulitt, Springfield, Ohio. Filed Sept. 19, 1919. Serial No. 324,994. 33 Claims. (Cl. 251—6.)

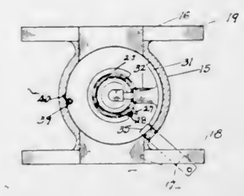
1. In combination, a conduit for feeding fuel to an internal combustion engine; valve means for shutting off the flow of fuel through said conduit; key operated means

for moving said valve means to open position; means normally urging said valve means to closed position; mech-



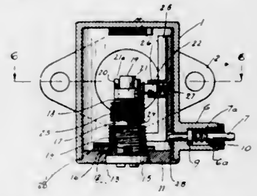
anism adapted to engage said valve means when the same are moved to open position; and means for releasing said mechanism.

1,466,667. AUTOMOBILE ATTACHMENT. WALKER E. MARSHALL, Springfield, Ohio, assignor of forty-five per cent to Ira M. Eulitt, Springfield, Ohio. Filed Mar. 29, 1920. Serial No. 369,596. 7 Claims. (Cl. 251—6.)



1. In a fuel controlling means for preventing the operation of an internal combustion engine, comprising a valve casing; aligned ports in said casing; a key barrel centrally mounted on said casing and extending into the interior thereof; a valve stem mounted to rotate on said barrel; a valve carried by said stem for closing one of said ports; and resilient means for normally holding said valve in closed position, substantially as described.

1,466,668. LOCKING VALVE. WALKER E. MARSHALL, Springfield, Ohio, assignor, by direct and mesne assignments, of forty-five per cent to Orin C. Brown, William H. Bowers, Stepney R. Hamlet, Albert Bowman, Frank Schaefer, Harry I. Fleming, James Masterpos, Charles H. Sroufe, and Charles Davidson, all of Springfield, Ohio. Filed May 28, 1921. Serial No. 473,474. 18 Claims. (Cl. 251—6.)



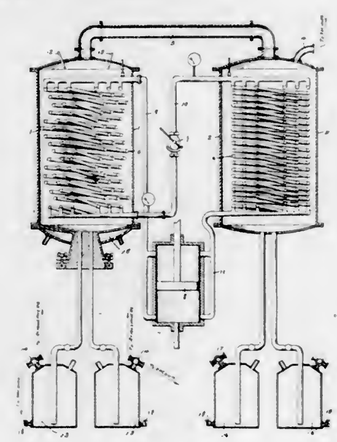
1. A device of the character described comprising a housing interposed in a conduit and having a passage therethrough; said housing having one side open; a valve mounted in said housing adapted to open and close said passage; a closure for the open side of said housing carrying mechanism normally urging said valve to closed position; means for limiting the closing movement of said valve, said limiting means being connected to said closure and to the far side of said housing; means for retaining said valve in position against said urging means; means for releasing said valve from said retaining means; and locking mechanism for returning said valve to retracted position.

1,466,669. SHIELD. MARTIN MARTINSON, Princeton, Ill. Filed Mar. 23, 1923. Serial No. 627,066. 2 Claims. (Cl. 89—36.)



1. In a protective shield, a shield body having a convex face, the edges of said body being slightly recurved, arm engaging supporting means secured to the rear of said shield, a peep-hole adjacent the top thereof, and a cover therefor operable from the rear of the shield, the shield being of reduced size adjacent its top.

1,466,670. PROCESS FOR CONCENTRATING SOLUTIONS AND EVAPORATING FLUIDS. EUDO MONTI, Turin, Italy. Filed Nov. 19, 1919. Serial No. 339,205. 2 Claims. (Cl. 195—15.)

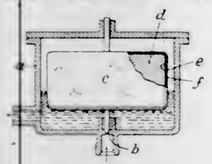


1. The process of separating fluids of different volatilities which comprises, compressing a gaseous medium to generate heat therein, bringing the heated medium into heat exchanging contact with the fluids to be separated to volatilize the more volatile fluid, and causing the said medium to expand in heat exchanging contact with said volatilized fluid to condense the same.

1,466,671. FLOAT. ALBERT H. MORI, Brooklyn, N. Y. Filed Sept. 27, 1921. Serial No. 503,507. 2 Claims. (Cl. 137—104.)

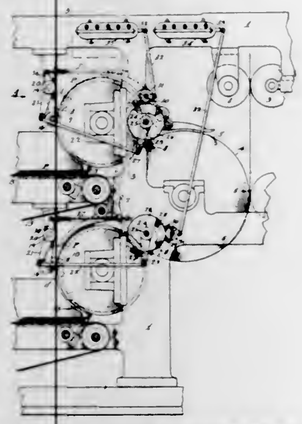
2. The combination of a wood foundation member and a metal shell thereon, said metal-coated wood adapted to serve as a float member and constituted, with respect to

the wood foundation, of wood of the balsa type having approximately the density of cork and the resistance to deformation of woods heavier than cork and waterproofed



as to its surface, and, with respect to the metal shell, of an electrolytically-deposited sheet, deposited upon and in contact with the waterproofed surface of the wood base.

1,466,672. COUNTING MECHANISM FOR PRINTING MACHINES. EDWARD P. SHELDON, New York, N. Y., assignor to R. Hoe and Co., New York, N. Y., a Corporation of New York. Filed Feb. 12, 1921. Serial No. 444,408. 12 Claims. (Cl. 235—98.)



1. The combination with means for forwarding a product in different paths, of counting mechanisms one for each product path, and means controlled by the products whereby all the products may be counted by one counting mechanism or the products from each path may be separately counted.

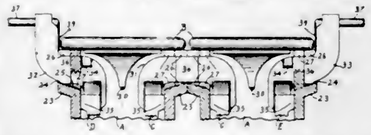
1,466,673. SHOE-LACE FASTENER. JULIUS SOLOMON, Oberlin, and OBED C. BILLMAN, Cleveland, Ohio. Filed May 3, 1921. Serial No. 466,390. 3 Claims. (Cl. 24—145.)



3. A shoe lace fastener, comprising a shank provided with a transverse eye and terminating in a flanged head above the latter forming a lace receiving hook at one side of said shank and eye, said fastener being adapted to be used interchangeably as a shoe hook or as an eyelet.

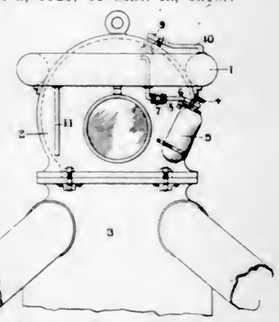
1,466,674. STORAGE BATTERY. VINCENT C. STANLEY, Brookline, Mass., assignor to The Gamewell Fire Alarm Telegraph Company, New York, N. Y., a Corporation of New York. Filed Apr. 15, 1922. Serial No. 552,862. 17 Claims. (Cl. 204—29.)

16. In a storage battery:—a plurality of containers each having outwardly extending bosses formed on oppositely disposed portions adjacent the upper edges of walls thereof, said bosses having grooves formed therein, the lower wall of each of which grooves slants downwardly toward and communicates with the interior of the container of which it forms a part; electrodes in such containers; lugs carried by said electrodes and disposed within such grooves, said lugs so formed as to facilitate draining of liquid adhering to the surfaces thereof into said containers and so that the upper surfaces of said lugs will be disposed below the upper edges of the container wall, lugs of electrodes of opposite polarity in adjacent cells formed integral to provide electrical connection



therebetween and lugs of terminal electrodes so formed that all portions thereof exterior the cells will be disposed above the intended electrolyte level therein, all of said lugs formed and arranged to so engage bosses and container walls as to maintain said electrodes suitably spaced from one another and from the walls of said containers; and covers extending over said grooves and resting upon the upper edges of said containers, respectively, the under surfaces of said covers extending downwardly between the electrodes and being so formed as to facilitate draining of liquid adhering thereto from such extensions.

1,466,675. SUBMERSION CONTROL FOR DIVERS' ARMOR. GEORG PAUL EUGEN STOLLE, Kiel, Germany. Filed Jan. 4, 1916. Serial No. 70,219. 3 Claims. (Cl. 61—71.) (Granted under the provisions of the act of Mar. 3, 1921, 41 Stat. L., 1313.)



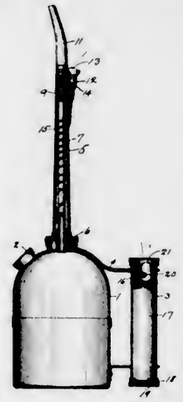
1. An armored diving dress comprising in combination an armor, a storage vessel for compressed gas, a vessel of variable contents arranged substantially concentric with the longitudinal axis of the armor above its centre of gravity, connecting means between said storage vessel and said vessel of variable contents, means whereby water can enter into the last named vessel and means for controlling the gas and water contents of said last named vessel.

1,466,676. WIRE NAIL. HARRY S. STRONACH, Oak Park, and ROBERT C. ROWAN, Wheaton, Ill. Filed Jan. 26, 1923. Serial No. 614,966. 12 Claims. (Cl. 85—30.)



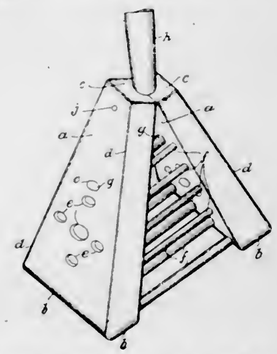
1. A nail comprising a head, a body of substantially uniform cross-section, and an entering end comprising a flat surface transverse of the axis of the nail, said flat surface covering a material portion of the cross-sectional area of the nail body, and being less in area than said cross-section, said surface being joined to the lateral surface of the nail by sloping surfaces.

1,466,677. CAN. AUGUST SUNDH, Hastings-on-Hudson, N. Y. Filed Jan. 7, 1920. Serial No. 349,934. 5 Claims. (Cl. 221—33.)



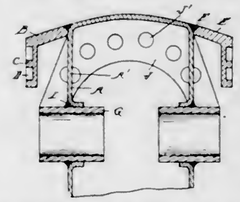
1. A can, a hollow handle therefor, a battery within said handle, a spout having an adjustable tip, a tube surrounding said spout, an electric light bulb mounted on said tube, and flexible conductors leading from said bulb through said tube to said battery.

1,466,678. WASHING PLUNGER, DOLLY, AND THE LIKE. ABRAHAM TAYLOR, Manchester, England. Filed Feb. 16, 1921. Serial No. 445,392. 13 Claims. (Cl. 259—99.)



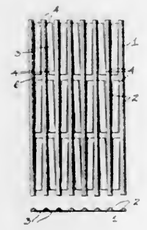
1. A washing plunger, dolly or the like, comprising side members suitably spaced at their lower ends and connected together by bars.

1,466,679. ENGINE PISTON. CECIL H. TAYLOR, Detroit, Mich. Filed Oct. 6, 1919. Serial No. 328,788. 5 Claims. (Cl. 74—108.)



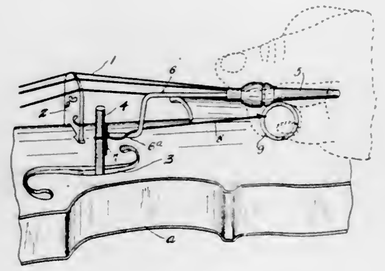
1. A piston comprising a pressed sheet metal body having an integral head of smaller diameter than the cylinder, and a skirt of different metal for fitting the cylinder having an inwardly-extending flange the inner peripheral face of which is welded to said body.

1,466,680. DIES FOR CUTTING METAL REENFORCEMENT. JOHN C. TIMM, Youngstown, Ohio. Filed Sept. 30, 1920. Serial No. 413,738. 3 Claims. (Cl. 164—118.)



1. A cutting die for expanded metal having one rectangular cutting end and a straight cutting edge along one side, and being beveled off at the other end, the other side being provided with a cut away portion having one edge at an angle to leave an uncut portion.

1,466,681. VIOLIN-SOUND-POST SETTER. CHARLES H. TOBB, New Richmond, Wis. Filed Aug. 17, 1921. Serial No. 492,876. 8 Claims. (Cl. 84—277.)

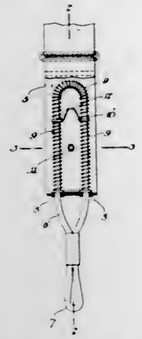


6. A sound post placing device comprising a handle, a wire or rod extending longitudinally therefrom and bent at substantially a right angle at some distance from said handle and again bent at a substantially right angle to extend parallel to the portion adjacent the handle, and a clamping means on the end of said wire or rod.

1,466,682. SUPPORTER. ROBERT E. UHL, Greenfield, Ohio, assignor to Pioneer Suspender Company, a Corporation of Pennsylvania. Filed Nov. 3, 1921. Serial No. 512,424. 5 Claims. (Cl. 241—19.)

1. In a supporter, the combination of two elastic parallel strands, a pocket therefor open as to its longitudinal side margins, formed by two plies of flexible mate-

rial, a garment engaging device, means for establishing operative relationship between the elastic strands and

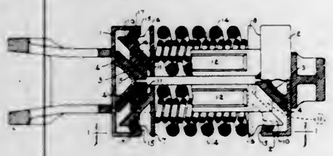


the garment engaging device, and means forming a guide for maintaining the strands within the margins of the pocket.

1,466,683. PROCESS OF MANUFACTURE OF DIPHENYLENE DIKETONES AS ANTHRAQUINONE OR ITS DERIVATIVES. ARTHUR ULLRICH, Frankfort-on-the-Main, Germany. Filed Aug. 9, 1921. Serial No. 490,025. 5 Claims. (Cl. 260—57.)

1. The process for manufacturing diphenylene diketones which comprises adding a relatively small amount of a solid dry metal nitrite to a mixture containing an anthracene compound, an organic acid free of water, and a substance capable of binding water, heating the mixture, and conducting oxygen containing gas through the mixture.

1,466,684. FRICTION DRAFT GEAR. WILLIAM E. VAN DORN, Chicago, Ill. Filed Jan. 12, 1921. Serial No. 436,646. 7 Claims. (Cl. 213—37.)



1. In a friction draft gear, two followers each having a central wedge-shaped ridge on the side directed toward the other follower, two spring seats arranged side by side behind the front follower, two spring seats arranged side by side in front of the rear follower, each spring seat having inclined friction faces paralleling the inclined sides on said ridges, springs arranged between corresponding front and rear spring seats, friction plates each clamped between one of said friction faces and the adjacent inclined face on the corresponding ridge, and means cooperating with said spring seats to prevent them from being spread apart in the lateral direction, and means connecting each forward friction plate with the corresponding rear friction plate so as to cause them to move in unison with each other.

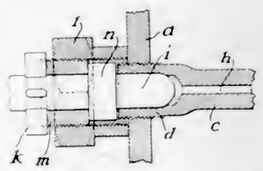
1,466,685. WORKING BARREL. WILLIAM W. WARNER, Nowata, Okla. Filed July 12, 1922. Serial No. 574,534. 6 Claims. (Cl. 103—179.)

1. The combination of upper and lower pipe connections and a combined coupling and stop member connecting the same, a hollow plunger having a piston movable in one of said pipe sections and adapted to pump the fluid therein through said hollow plunger, a valve carrying member communicating with and having rigid connection with said plunger, a tubular sand baffle depending from said valve carrying member and having its upper end entirely closed thereby, said combined stop and



coupling being in the path of travel of said baffle and limiting downward movement of the same, and a piston fixed on one of said pipe sections and having a working fit with said baffle whereby the last named piston and said baffle constitute a pump.

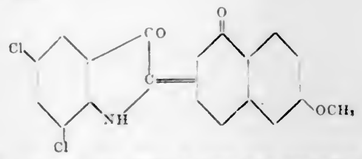
1,466,686. STAY BOLT. WILHELM ZWILLING, Osnabruck, Germany. Filed Nov. 28, 1919. Serial No. 341,311. 4 Claims. (Cl. 85—1.5.)



1. Stay-bolt securing means, comprising in combination, a staybolt having an end provided with external screwthreads and with a longitudinally extending cylindrical cavity; and a die, having a cylindrical active portion of greater diameter than the diameter of said cavity, adapted to be inserted into said cavity, the die being provided with a flange adapted to engage the edge of the wall of the cavity to limit its movement into the cavity.

1,466,687. INDIGOID VAT DYE. WILHELM BAUER, Opladen, near Cologne, Germany, assignor to Farben-Fabriken vorm. Friedr. Bayer and Co., Leverkusen, near Cologne-on-the-Rhine, Germany. Filed Aug. 8, 1921. Serial No. 490,714. 2 Claims. (Cl. 260—49.)

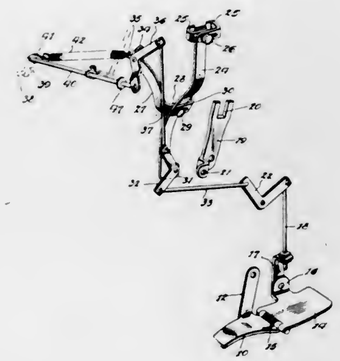
2. The new indigoid vat dyestuff having most probably the formula:



which is after being dried a dark blue crystalline compound soluble in concentrated sulfuric acid with a blue

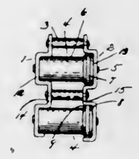
coloration, being scarcely soluble in hot benzene with a light blue coloration, yielding with hydrosulfite and caustic soda lye a yellow vat dyeing cotton grayish-blue to black fast shades and being converted by a further chlorination into a black dye substantially as described.

1,466,688. FOOT ACCELERATOR FOR TRACTORS. GUSTAVE J. BOOCK, Conyngham, Pa., assignor of one-half to Edwin G. Hines, Drums, Pa. Filed Mar. 20, 1922. Serial No. 545,234. 8 Claims. (Cl. 74—81.)



1. An accelerator including in combination with an oscillating throttle rod, a foot pedal, a body bar, an arm carried by and projecting from the bar, a contractile spring acting between said arm and rod for returning the rod when oscillated, and means carried by the body bar and said arm for connecting the pedal and said rod for oscillating the rod.

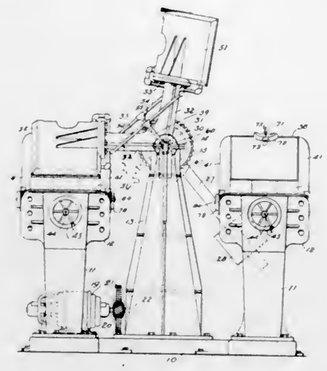
1,466,689. ROLLER-BEARING CAGE. ROBERT F. BOWER, Detroit, Mich., assignor to Bower Roller Bearing Company, Detroit, Mich., a Corporation of Michigan. Filed Nov. 14, 1921. Serial No. 514,843. 6 Claims. (Cl. 64—62.)



5. In a roller bearing cage, the combination of spaced heads having pressed out portions for receiving the rolls and aligning the same in spaced relation, and tie bars extending between said heads intermediate said pressed out portions.

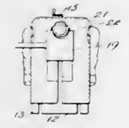
1,466,690. SHIRT-IRONING MACHINE. CECIL H. BOYULS, Louisville, Ky. Filed June 25, 1921. Serial No. 480,377. 10 Claims. (Cl. 68—9.)

5. In a machine of the class described, a pair of spaced garment supporting forms, a shaft journalled between said forms, a pair of spaced hollow ironing members each adapted to contact with a respective form, said



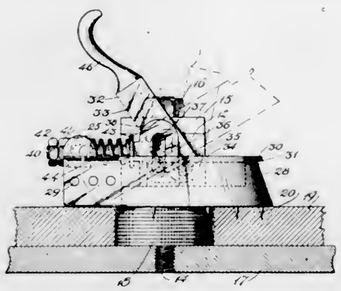
members being mounted on said shaft and so arranged that movement of one of the members toward its form moves the other member away from its form.

1,466,691. METHOD OF IRONING GARMENTS. CECIL H. BOYULS, Louisville, Ky. Filed Dec. 1, 1921. Serial No. 519,123. 8 Claims. (Cl. 68—9.)



1. That method of ironing a garment having an opening from top to bottom through the material of said garment, which consists in placing the garment upon a form with the edges of the opening in non-overlapping arrangement, applying pressure and heat to a portion of the garment adjacent said edges, and stretching the garment laterally away from the point of application of the pressure and heat.

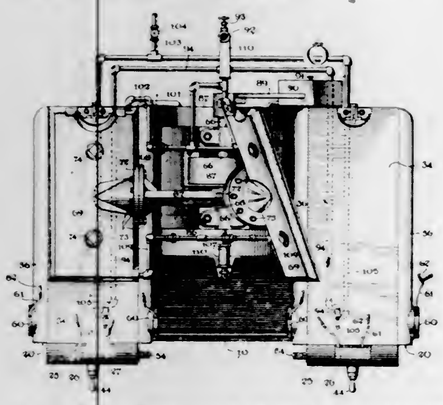
1,466,692. COLLAR-BAND HOLDER. CECIL H. BOYULS, Louisville, Ky. Filed Dec. 1, 1921. Serial No. 519,124. 18 Claims. (Cl. 68—9.)



1. A collar band holder for ironing machines including cooperating clamping members one of which includes a flexible band and is mounted to swing into and out of cooperative relation with the other and to move rectilin-

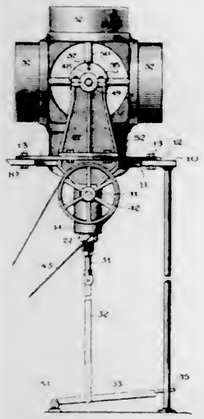
early into and out of collar band clamping positions, and means associated with the said members and arranged to latch the swinging member releasably in cooperative relation with the other member, said means including spring pressed elements arranged to hold the movable member yieldably pressed toward the other clamping member.

1,466,693. IRONING MACHINE. CECIL H. BOYLES, Louisville, Ky. Filed Feb. 13, 1922. Serial No. 536,385. 21 Claims. (Cl. 68—9.)



13. In an ironing machine, a buck, means for expanding the buck longitudinally, and other means for expanding the buck transversely, said means being independently operable.

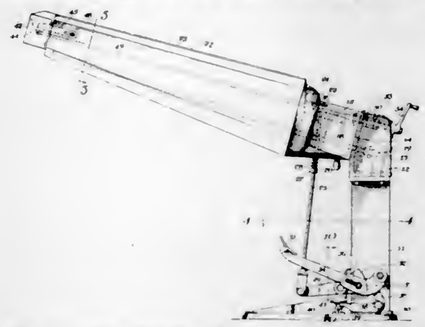
1,466,694. COLLAR-IRONING MACHINE. CECIL H. BOYLES, Louisville, Ky. Filed Feb. 13, 1922. Serial No. 536,386. 21 Claims. (Cl. 68—9.)



1. In a machine of the class described, an iron, and a series of collar holders mounted adjacent the iron for rotation about an axis at right angles to the axis of the iron and arranged to be successively moved into cooperative relation with said iron.

1,466,695. BIFURCATED GARMENT FORMER AND DRIER. CECIL H. BOYLES, Louisville, Ky. Filed Apr. 19, 1922. Serial No. 555,632. 9 Claims. (Cl. 223—17.)

1. In a device of this kind, a garment form, a stretcher member normally housed within said form, and means to project said stretcher member from said form and retract it within the form, said means comprising operating



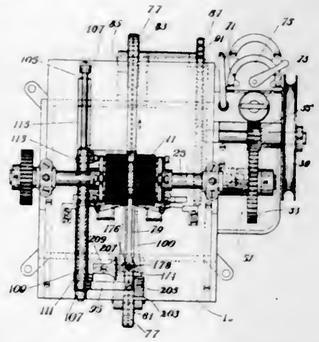
arms arranged adjacent each other at one end of the device, and linkages each connecting a respective operating arm with a respective end of the stretcher bar.

1,466,696. APPARATUS FOR PREPARING AND MULTIPLYING LIGHT COPIES. ERNST GOTTHILF BRACK, Winterthur, Switzerland. Filed Mar. 5, 1923. Serial No. 622,987. 5 Claims. (Cl. 95—77.)



1. A flexible carpet for photographic apparatus having heavy flexible filaments thereon.

1,466,697. FOLDING MACHINE. ARTHUR W. BRICE, Rochester, and WILLIAM HAMANN, Irondequoit, N. Y., assignors to United Shoe Machinery Corporation, Paterson, N. J., a Corporation of New Jersey. Filed Nov. 29, 1920. Serial No. 427,065. 31 Claims. (Cl. 270—93.)



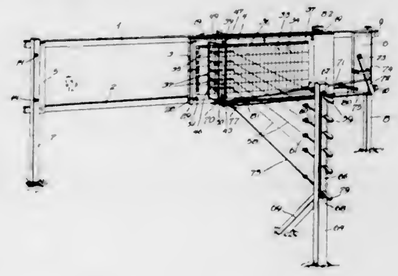
1. A machine for progressively folding the opposite edges of a piece of work, having in combination, folders for engaging the opposite edges, clamping members for engaging the work, one of said members being bodily movable toward the other to clamp the work, and means for moving the clamping members in a path to carry the work between the folders.

1,466,698. METHOD FOR CARROTTING FUR AND HAIR. ALBERT CHEVALIER, Paris, France, assignor to Societe du Feutre, Paris, France. Filed Feb. 2, 1921. Serial No. 441,851. 2 Claims. (Cl. 8—21.)

1. A process for carrotting hair for use in the manufacture of hats, which process consists in subjecting animal

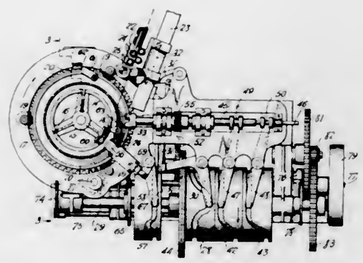
skins to the action of a soluble metallic sulphide and allowing the skins to dry in the presence of air, thereby causing oxidation of the sulphide solution and checking the destructive action of said solution.

1,466,699. SCOREBOARD FOR SHOOTING TOURNAMENTS. CHARLES M. COFFMAN, Gallipolis, Ohio. Filed Apr. 6, 1922. Serial No. 550,036. 5 Claims. (Cl. 234—1.)



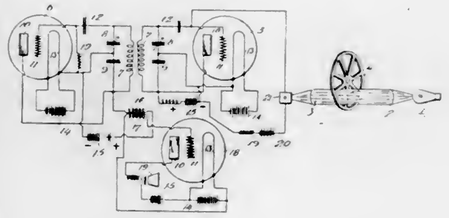
1. A mechanical score board for trap shooting tournaments comprising a supporting frame set up in front of the firing line, a board for holding the score sheet mounted substantially vertically and for approximately horizontal movement in said supporting frame, a vertical series of punches mounted in front of the horizontal subdivisions on the score sheet, individual means connected separately to said punches and extending behind the firing line, and means separate and distinct from said last named means and also having an operating device extending behind the firing line whereby to advance said board the distance of one of the vertical subdivisions on the score sheets at each actuation.

1,466,700. MACHINE FOR HOOPING PAILS. SIMON COOPER, Brooklyn, N. Y., assignor to Menasha Wooden Ware Company, Menasha, Wis., a Corporation of Wisconsin. Filed Aug. 11, 1919. Serial No. 316,828. 52 Claims. (Cl. 140—93.)



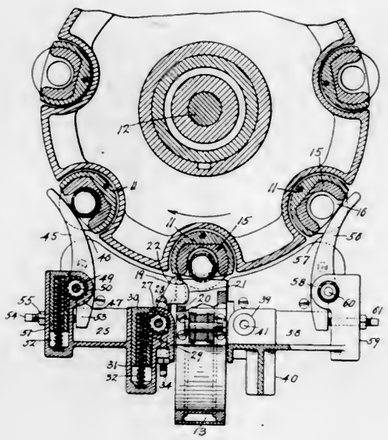
1. In a machine for hooping pails, the combination with a pail support, of means for clamping a wire end against the side of the pail, means for simultaneously rotating said pail support and the wire clamping means to wrap a length of wire about the pail, and means for securing the ends of the wire together while on the pail.

1,466,701. METHOD OF AND MEANS FOR CONTROLLING ELECTRIC CURRENTS BY AND IN ACCORDANCE WITH LIGHT VARIATION. LEE DE FOREST, New York, N. Y., assignor, by mesne assignments, to De Forest Phonofilm Corporation, Jersey City, N. J., a Corporation of Delaware. Filed Sept. 18, 1919. Serial No. 324,685. 9 Claims. (Cl. 179—100.1.)



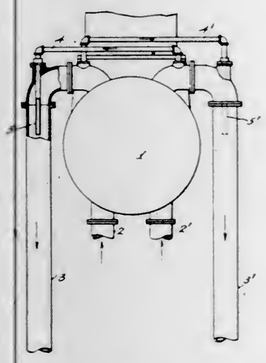
1. The combination with a plurality of oscillions and their associated circuits, electrically associated with each other, and each generating undamped oscillating currents, means controlled by light rays for altering the frequency of the oscillations generated by one of said iscollions.

1,466,702. CAPPING APPARATUS. WILLIAM V. DERBY, Baltimore, Md., assignor to The Crown Cork and Seal Company of Baltimore City, Baltimore, Md., a Corporation of Maryland. Filed Oct. 16, 1920. Serial No. 417,362. 11 Claims. (Cl. 226—88.1.)



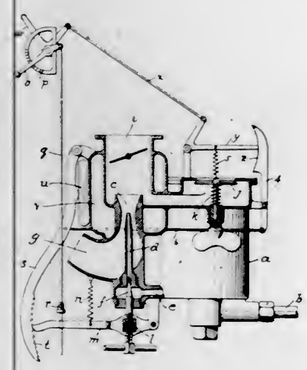
1. In a capping apparatus, the combination with a crown feeding chute and a plurality of capping heads arranged to move past said chute and provided with crown-receiving platforms, of a pivotally mounted wiper for wiping crowns into position in said platforms, a pinion associated with said wiper, a toothed member meshing with said pinion, and a spring tending to hold the wiper in normal position.

1,466,703. CONDENSER CIRCULATING SYSTEM. ALEX DOW, Detroit, Mich., assignor to Worthington Pump and Machinery Corporation, New York, N. Y., a Corporation of Virginia. Filed Nov. 6, 1920. Serial No. 422,139. 4 Claims. (Cl. 257—24.)



1. The combination with liquid circulating systems having independent drop leg outlets, of cross-over connections between each outlet and the other drop leg below the level of the liquid therein.

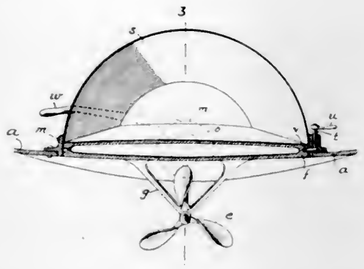
1,466,704. CARBURETOR. ELEUTHERE PAUL DU PONT, Montchanin, Del. Filed Jan. 10, 1922. Serial No. 528,271. 9 Claims. (Cl. 123—180.)



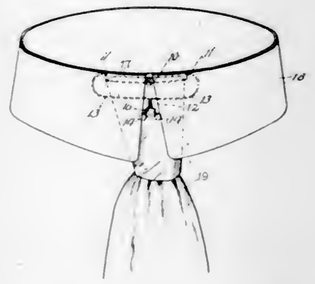
1. The combination with a carburetor for internal combustion engines of manually operable means to effect an increase in the opening of the fuel valve of the carburetor from a predetermined adjustment at which the carburetor will function efficiently at efficient engine temperature, and means operable when the engine is at an efficient temperature to automatically effect a return of the fuel valve to its predetermined adjustment.

1,466,705. SHIP CONSTRUCTION. ELEUTHERE PAUL DU PONT, Montchanin, Del. Filed Oct. 16, 1922. Serial No. 594,707. 5 Claims. (Cl. 115—41.)

1. The combination of a vessel hull and a propeller thereon, said hull having a movable section with two faces shaped to conform to the contour of the hull, means to secure the section to align either face with the hull, means to mount the propeller shaft on the section as to place the propeller in driving position when one face of the section is aligned with the hull and to position the propeller and shaft within the hull when the other face is aligned with the hull, a driving shaft for the propeller shaft, and a flexible connection between the shafts.



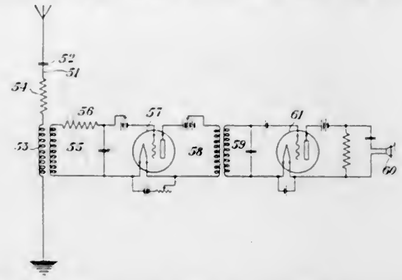
1,466,706. NECKTIE HOLDER. ALEXANDER D. ELLIOTT, Viola, Ill. Filed June 3, 1922. Serial No. 565,617. 1 Claim. (Cl. 24—56.)



A neck tie holder consisting of a single piece of resilient wire like material bent to form a loop, the ends of the material being twisted together with the extremities of the ends forming a medial downwardly opening seat adjacent the lower wall of the loop, said seat being adapted to engage over a collar button when the loop is compressed, a portion of the upper wall of the loop being depressed to form spaced upwardly projecting shoulders at the ends of the loop, said shoulders being of a height to project above the portion of the tie which engages in said depressed portion, whereby the shoulders will project beyond the tie and into the folded portion of the collar.

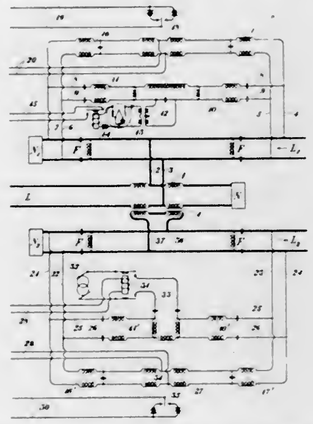
1,466,707. METHOD OF AND APPARATUS FOR LIMITING THE TRANSMISSION OF ELECTRICAL ENERGY. LLOYD ESPENSCHIED, Hollis, N. Y., assignor to American Telephone and Telegraph Company, a Corporation of New York. Filed Mar. 16, 1916. Serial No. 84,592. 11 Claims. (Cl. 179—171.)

3. The method of limiting the current flow through a three-electrode thermionic vacuum tube having a heated electrode, and two cold electrodes, an input circuit connected with said heated electrode and the first of said cold electrodes, an output circuit connected with said heated electrode and the second of said cold electrodes which consists in impressing normal and abnormal potentials upon said input circuit, and controlling the temperature of said heated electrode to limit the current



flowing in said output circuit to approximately one-half that resulting when said normal potential is applied to said input circuit.

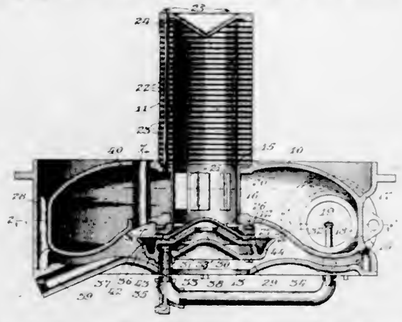
1,466,708. TRANSMISSION SYSTEM. LLOYD ESPENSCHIED, Hollis, N. Y., assignor to American Telephone and Telegraph Company, a Corporation of New York. Filed Sept. 26, 1919. Serial No. 326,523. 5 Claims. (Cl. 179—4.)



1. The combination of a four-wire transmission system including an incoming two-wire line and an outgoing two-wire line and a terminal two-wire line and arrangements whereby said system may be utilized for the simultaneous transmission of currents for purposes of telephoning, telegraphing and signaling, said arrangements comprising a circuit associated with said incoming two-wire line and adapted to efficiently transmit signaling currents coming in over said line, signaling apparatus controlled by said circuit, means in said circuit for preventing telephonic currents coming in over said two-wire line from being transmitted over said circuit, and means in said incoming two-wire line for preventing signaling currents coming in over said line from being transmitted from said line to said terminal line.

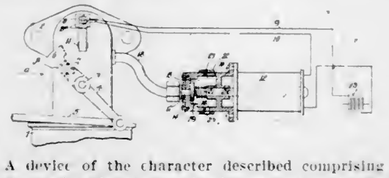
1,466,709. VAPORIZING FUEL BURNER. CHARLES A. FRENCH, Chicago, Ill., assignor to International Harvester Company, Chicago, Ill., a Corporation of New Jersey. Filed June 8, 1922. Serial No. 566,713. 18 Claims. (Cl. 158—28.)

7. In a burner, the combinaiton of a circular drum having a side inlet and an end outlet, an air inlet pipe connected to said inlet, a fuel nozzle discharging into said pipe, a main burner connected to the drum to receive vaporized mixture from said outlet, a secondary burner adapted to heat said drum, a secondary air inlet pipe connected to said first named air inlet pipe and discharging into said secondary burner, a fuel nozzle for



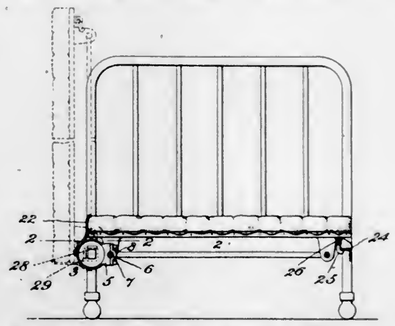
said second burner, means for lighting said secondary burner, a throttle valve in said first named air inlet pipe between the fuel nozzle and connection to the secondary air inlet pipe, and means for lighting said main burner from said secondary burner.

1,466,710. ELECTRICALLY-CONTROLLED AIR VALVE FOR CARBURETORS. JOHN E. FUCHS, Stamford, Conn. Filed Feb. 24, 1921. Serial No. 447,586. 2 Claims. (Cl. 123—119.)



1. A device of the character described comprising accelerator and carburetor mechanism, a magnet located in an electrical circuit, a housing having an air chamber and air inlet and outlet ports, a valve within the chamber actuated by the magnet, a contactor actuated by the accelerator mechanism, electrical terminals located in the path of the contactor adapted, when in contact therewith, to close the circuit and open the valve to admit air to the carburetor, said contactor having a predetermined movement in open circuit on either side of the terminals.

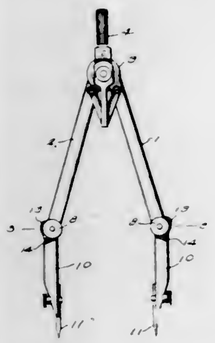
1,466,711. DEVICE FOR TILTING THE MATTRESS-SUPPORTING FRAME OF BEDSTEADS. FREDERICK W. GLASS, Newburgh, N. Y. Filed June 15, 1922. Serial No. 568,414. 4 Claims. (Cl. 5—323.)



1. A device for tilting the mattress supporting frame of bedsteads comprising a drum pivotally and detachably

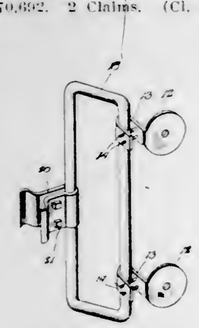
connected to the bedstead, brackets carried by said drum for detachably securing the mattress frame thereto, a coil spring mounted within the drum and having one end secured to the drum and its other end passing through the drum and secured to the frame of the bedstead and set screws mounted on the drum for regulating the tension of the spring.

1,466,712. DRAWING INSTRUMENT. CHARLES A. GREEN and HENRY F. SCHUH, Chicago, Ill., assignors to The C. F. Pease Company, Chicago, Ill., a Corporation of Illinois. Filed May 23, 1921. Serial No. 471,672. 3 Claims. (Cl. 33—149.)



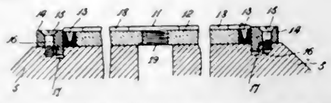
1. An instrument of the character described comprising a pair of pivoted legs, a needle bar mounted in the end of one of said legs, a detachable member arranged on the end of the other leg, said leg being provided with a longitudinal slot for the reception of said member, said detachable member being provided with a transverse slot extending from one side substantially to the center, fastening means carried by said leg and adapted to enter said slot, and said detachable member and said leg being provided with cooperating means, for positioning said fastening means in said slot.

1,466,713. SIDE WING FOR WINDSHIELDS. LENNIE A. HANSON, Kirkland, Wash. Filed May 18, 1921. Serial No. 470,692. 2 Claims. (Cl. 296—84.)



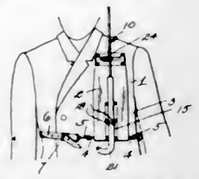
1. In a side wing for wind shields, the combination of an endless suppporting link having oppositely disposed sides, a deflector plate, means connecting the plate with one side of the link for adjustment therealong, and means for connecting the link with a vehicle and adjustable along the opposite side of the link.

1,466,714. EMBOSSING MACHINE OR PRESS. CHARLES ARTHUR HARNDEN, Alderley Edge, England. Filed Sept. 1, 1922. Serial No. 585,586. 3 Claims. (Cl. 101—3.)



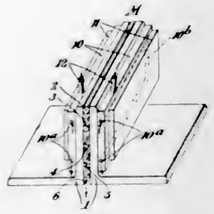
1. In an embossing machine, a platen, a flexible and resilient member overlying said platen and forming between said member and platen a fluid-tight compartment, said member being bodily movable away from the platen thereby to vary the depth of said compartment.

1,466,715. UMBRELLA CARRIER. WILLIAM A. HART, Columbus, Ohio. Filed Sept. 10, 1921. Serial No. 499,787. 6 Claims. (Cl. 135—12.)



1. An umbrella support comprising a rigid panel, adjustable shoulder and waist straps operating to secure said panel to the body of a wearer, a vertically adjustable clamping means and a horizontally adjustable clamping means carried by said panel for detachable connection with an umbrella staff.

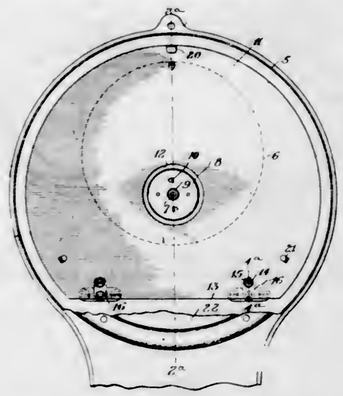
1,466,716. ELECTRIC WELD FORGING METHOD. IRA W. HENRY, New York, N. Y., assignor, by direct and mesne assignments, to The Electric Forge Corporation, New York, N. Y., a Corporation of Delaware. Filed Aug. 4, 1921, Serial No. 489,869. Renewed Nov. 23, 1922. 4 Claims. (Cl. 219—10.)



1. The method of electric welding, consisting in subjecting the parts to be welded to simultaneous pressure one towards another and to a suitable electric current for fusing opposed portions of said parts; and, during the application of the pressure and the flow of the current, in spacing the parts apart against the pressure, until the welding operation is completed, at successively reduced distances, by meltable, metallic, electric conductors of varying cross-sectional areas and in subjecting the conductors to the current and progressively fusing such conductors and uniting them in a fused state with the fused portions of the parts to be welded.

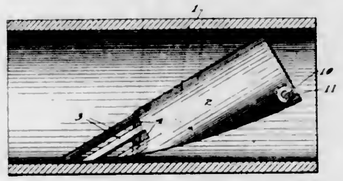
1,466,717. RECORDING APPARATUS. EDWIN HODGKINSON, Rochester, N. Y., assignor to Taylor Instrument Companies, Rochester, N. Y., a Corporation of New York. Filed Oct. 18, 1922. Serial No. 595,421. 6 Claims. (Cl. 234—1.)

1. The combination with a recording instrument of chart supporting and driving means comprising a chart driving portion having means for releasably securing a chart thereto and a chart supporting portion extending



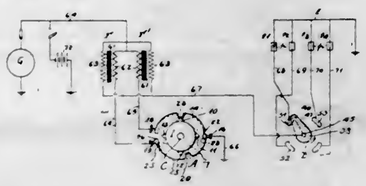
about said driving portion and mounted on the instrument for movement relative to said driving portion to strip a chart therefrom.

1,466,718. CONDUIT-PROTECTION MEANS. DANIEL F. HOLMAN, Farmersville, Ohio. Filed Dec. 14, 1922. Serial No. 606,800. 2 Claims. (Cl. 182—9.)



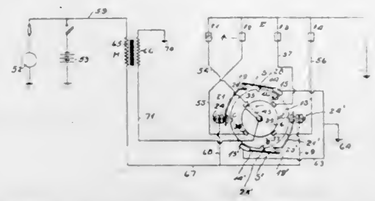
1. In a cylindrical conduit, the combination with a gate therein whose periphery conforms to the contour of the conduit and which terminates at its front end in prongs which rest upon the bottom of the conduit, and a bolt passing through each rear side edge of the gate and the conduit wall for hingedly securing the former to the latter.

1,466,719. IGNITION-CONTROLLING APPARATUS. ALONZO HOWARD, Chicago, Ill., assignor, by direct and mesne assignments, to Lightnin Sparker Manufacturing Company, Chicago, Ill., a Corporation of Illinois. Filed July 7, 1922. Serial No. 573,401. 9 Claims. (Cl. 123—148.)



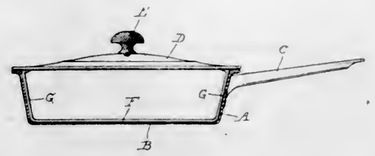
1. In an ignition system for explosive engines, the combination of two induction coils each comprising a primary winding and a core and a secondary winding, a primary circuit including said primary windings in parallel, a secondary circuit including said secondary windings in parallel, a source of current connected with said primary circuit, distributor mechanism for closing said secondary circuit in seriatim through the spark plugs of the engine, and interrupter mechanism driven in timed relationship with the distributor mechanism to alternately interrupt the current flow through said primary windings during each closure of the secondary circuit through a spark plug by the distributor mechanism whereby two distinct sparks will be produced at each spark plug during closure of the secondary circuit therethrough.

1,466,720. IGNITION APPARATUS. ALONZO HOWARD, Chicago, Ill. Filed Jan. 22, 1923. Serial No. 614,059. 5 Claims. (Cl. 123—148.)



1. In an ignition system, the combination of inductively related primary and secondary circuits, a spark plug connected in the secondary circuit, a source of current for the primary circuit, a plurality of circuit controllers for said primary circuit normally holding said circuit open, and means for successively operating said circuit controllers during each ignition period of the engine with which the spark plug is associated, the operation of each circuit controller causing a short closure of the primary circuit and reopening thereof to cause induced current flow through the secondary circuit and said spark plug whereby a plurality of distinct sparks is caused at said plug during each ignition period.

1,466,721. CORN POPPER. ROYALL C. HUNTER, Chicago, Ill. Filed Apr. 20, 1922. Serial No. 555,765. 1 Claim. (Cl. 259—108.)

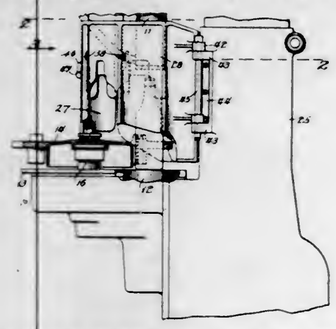


A pop corn popper comprising a corn-containing vessel, a cover therefor adapted to rest upon and be supported by the rim of said vessel, an agitating element secured at either end to diametrically opposite points adjacent the circumference of said cover, the intermediate portion of said agitating element depending in the vessel closely adjacent the walls and bottom of said vessel, said agitating element being in substantially rigid relation to said cover, and means for rotating the cover and the agitating element comprising a handle substantially centrally located upon said cover, aligned between the points at which the ends of the agitator engage the edge of the cover.

1,466,722. PACKAGING APPARATUS. GEORGE J. HUNTLEY, Baltimore, Md., assignor to The Crown Cork and Seal Company of Baltimore City, Baltimore, Md., a Corporation of Maryland. Filed Sept. 24, 1920. Serial No. 412,533. 5 Claims. (Cl. 226—67.)

1. In a packaging apparatus, and in combination, a filling head, means for feeding bottles into and out of

filling position beneath said head, a stationary bottle guard for enclosing the bottle being filled and having a



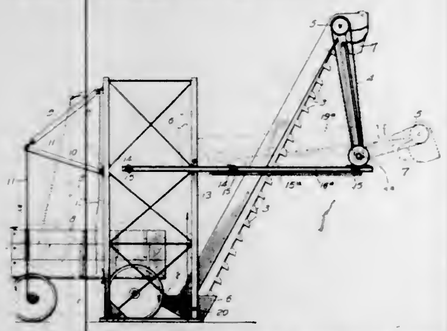
gateway for the passage of the bottles, and means for adjusting the size of the gateway.

1,466,723. TOOTHBRUSH. RIICHIRO IZAWA, Shimogyoku, Kyoto, Japan. Filed Nov. 12, 1921. Serial No. 514,490. 3 Claims. (Cl. 15—193.)



1. A tooth brush comprising a handle, a thin elastic plate fixed to said handle, said plate having a number of holes therein, a plurality of brush-holding members each having a portion surrounding said plate and each having a portion passing thru one of said holes, and tufts of hair anchored on said brush-holding members.

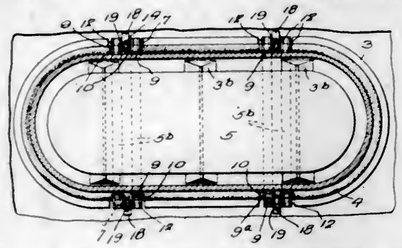
1,466,724. GRAIN ELEVATOR. WILLIAM MCMEANS, West Liberty, Iowa. Filed Dec. 28, 1920. Serial No. 433,707. 4 Claims. (Cl. 198—117.)



1. A device of the type described, including an adjustable elevator, a supporting means for one end of said elevator comprising a carriage to which said end is movably connected, an elevated trackway for the carriage, guide rollers attached to the lower end of said elevator, a fixed vertical guide way in which said guide rollers are adapted to travel and means for raising the lower end of said conveyer.

1,466,725. MAUSOLEUM. WILLIAM MCMEANS, West Liberty, Iowa. Filed Mar. 2, 1922. Serial No. 540,603. 4 Claims. (Cl. 72—7.)

1. In a device of the type described, the combination with an outer containing enclosure and a base member for emplacement in the bottom of an excavation, of a lowering appliance therefor comprising braces secured to said base member, a clevis pivoted between said braces,



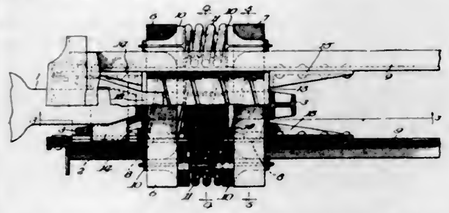
and means adapted to cooperate with said clevis for lowering said outer containing enclosure into said excavation.

1,466,726. FIREPROOF GARMENT. EARL A. MEEKS, Green Cove Springs, Fla. Filed Mar. 8, 1922. Serial No. 542,068. 2 Claims. (Cl. 2—144.)



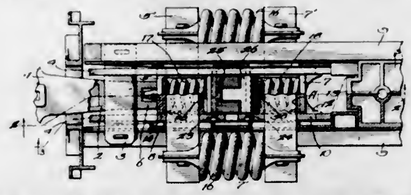
1. In a fireproof garment, a pair of curved supporting members adapted to rest upon the shoulders of the wearer, the lower ends of said supporting members being provided with openings for the reception of a flexible fastening member surrounding the body of the wearer, a substantially rigid frame mounted on said supporting members, said frame being adapted to surround the head of a wearer and be spaced therefrom, and a garment of fireproof material, said garment consisting of a body covering, and an integral hood resting on said frame to support it.

1,466,727. DRAFT GEAR. HERMAN C. PRIEBE, Blue Island, Ill. Filed May 23, 1921. Serial No. 471,702. 8 Claims. (Cl. 213—49.)



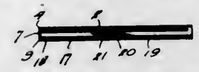
1. A draft gear including a coupler yoke; longitudinal sills between which said yoke is disposed; keys passing through said sills and said yoke; springs upon the outer sides of said sills and interposed between said keys to oppose the approach of either key toward the other; follower plates passing through the yoke, one follower plate being engageable by one end of the yoke and the other follower plate by the other end of the yoke; two springs also passing through the yoke and interposed between and engaging said follower plates, these springs being flattened, the aforesaid keys passing between the springs; and a floating motion limiting member interposed between said keys.

1,466,728. DRAFT GEAR. HERMAN C. PRIEBE, Blue Island, Ill. Filed Mar. 16, 1922. Serial No. 544,182. 8 Claims. (Cl. 213—41.)



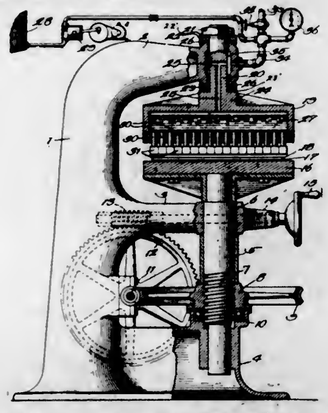
1. A draft gear including a coupler; inner and outer followers actuated thereby and movable each toward the other; springs, one individual to each follower, for resisting the approach of the followers toward each other; and two sets of rockers each set comprising two rockers having opposed faces, one rocker being individual to each follower and actuatable thereby, said rockers being interposed between and engaged by said springs to maintain the rockers in action and resist the follower effected movement thereof, the two rockers that are individual to each follower being in hinged connection with each other and with the follower.

1,466,729. TICKET HOLDER. RAY P. RILEY, Coshocton, Ohio, assignor to American Art Works, Coshocton, Ohio, a Corporation of Ohio. Filed Aug. 1, 1921. Serial No. 488,960. 3 Claims. (Cl. 206—39.)



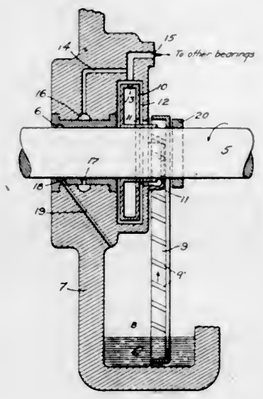
1. A holder of the character described comprising a back part having edge walls, flanges on said edge walls, a front part rigidly secured to said flanges and having a retaining tongue extending inwardly toward said back part.

1,466,730. PRESS. FLOYD N. SANFORD, Chicago, Ill., assignor to Hacker Manufacturing Co., Chicago, Ill., a Corporation of Illinois. Filed Nov. 28, 1921. Serial No. 518,166. 5 Claims. (Cl. 153—51.)



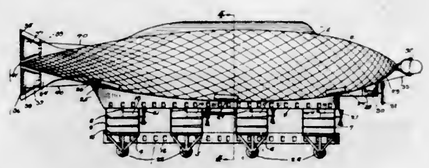
1. A press including two members between which the object to be pressed is disposed, one of these members having a plurality of individually movable presser feet; a liquid element common to and arranged to exert substantially equal pressure upon said feet; and a closed receptacle for said liquid, this receptacle also containing gas to furnish an elastic backing for the liquid.

1,466,731. LUBRICATION SYSTEM. HENRY F. SCHMIDT, Wilkinsburg, Pa., assignor to Westinghouse Electric & Manufacturing Company, a Corporation of Pennsylvania. Filed Apr. 24, 1918. Serial No. 230,449. 11 Claims. (Cl. 64—32.)



1. A lubrication system comprising a shaft, a bearing in which said shaft is mounted, a ring oiler actuated thereby for delivering lubricant thereto, and a centrifugal impeller mounted on the shaft for receiving the lubricant delivered thereto and for delivering said lubricant to the bearing under pressure.

1,466,732. AIRSHIP. CHARLES ALBERT SNIDER, Atlanta, Ga. Filed Oct. 19, 1921. Serial No. 508,859. 8 Claims. (Cl. 244—6.)

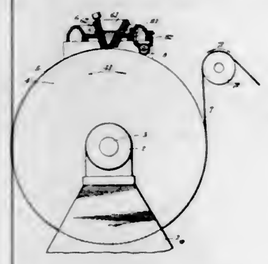


1. An airship including a gas bag, a car adjacent the under surface of the gas bag, another car spaced downwardly from the first car, and airplane structures carried between said cars.

1,466,733. APPARATUS FOR MAKING SHEETS OR FILMS. ALBERT F. SULZER and HENRY E. VAN DERHOEF, Rochester, N. Y., assignors to Eastman Kodak Company, Rochester, N. Y., a Corporation of New York. Filed Feb. 21, 1921. Serial No. 446,810. 17 Claims. (Cl. 18—15.)

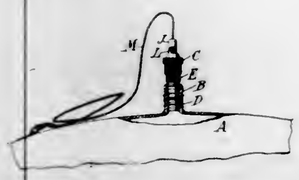
1. In apparatus for the manufacture of film from cellulose ester and cellulose ether dopes, a member having a

dope-receiving facing on which the film is made, said facing comprising superposed adherent layers, each composed of metal highly resistant to attack by said dopes under



film-making conditions, the inner layer reinforcing the outer layer and supplementing the latter at any damaged points therein.

1,466,734. LIFE-PRESERVER VALVE. MAXIMILIAN CHARLES SCHWEINERT, West Hoboken, N. J. Filed July 27, 1918. Serial No. 247,044. 7 Claims. (Cl. 215—99.)



1. A cap for a valve or the like having a seat, and a hollow projection above said seat, and having a hole through the top of such projection, and a hole through the side thereof, whereby a cord may be passed down through both holes and be knotted and drawn upwardly through the side hole.

1,466,735. CABLE CONNECTOR. ROY O. WILLIAMS, Columbus, Ohio. Filed Mar. 21, 1921. Serial No. 453,923. 4 Claims. (Cl. 173—324.)



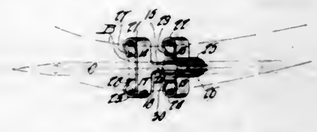
2. A cable connector comprising a sleeve, a pair of oppositely extending arms arranged within said sleeve, means carried by said sleeve and serving as a pivotal mounting for the inner ends of said arms, the outer ends of said arms being situated for rocking movement within said sleeve and to be capable of permitting the ends of a pair of cable members to be inserted therebetween and the inner wall of said sleeve, and independently mounted selectively operable binding screws carried by said sleeve and cooperative with the outer ends of said arms to maintain the latter in gripping relationship with said cable ends.

1,466,736. DISPLAY DEVICE FOR USE IN ADVERTISING. HARRY J. HAYDEN, Jr., Lakewood, Ohio, assignor to Harry J. Hayden, sr., Lakewood, Ohio. Filed Aug. 6, 1921. Serial No. 490,321. 4 Claims. (Cl. 211—34.)



1. A display device for exhibiting a surface coating material comprising: a base member having a surface coated with the material, and a display advertising object attached to said base member in such relation to the coated surface that a reflection of the object is displayed in the surface coating.

1,466,737. IMPLEMENT HOLDER. FREDERICK R. KREEGER, East Cleveland, Ohio. Filed Feb. 5, 1923. Serial No. 617,106. 6 Claims. (Cl. 24—11.)



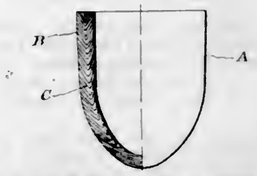
2. A lead pencil holder for a belt comprising, a body, a pair of loops on each end of said body and projecting from one side thereof and adapted to partially encompass and to grip said belt, and a pair of prongs between said loops and projecting from the other side of said body and adapted to hold said lead pencil.

1,466,738. METHOD AND MEANS FOR BILLET CASTING. CHARLES S. MORSE, Roland Park, Md., assignor to Baltimore Tube Company, Inc., Baltimore, Md., a Corporation of Virginia. Filed July 2, 1921. Serial No. 482,031. 7 Claims. (Cl. 22—168.)



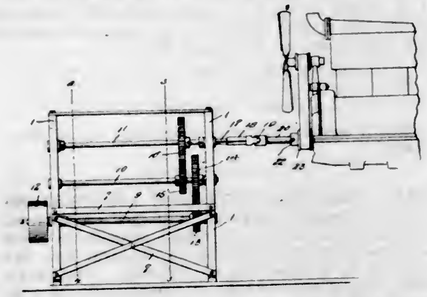
1. The method of casting hollow billets which consists in utilizing the inclined walls of a tapered core to secure an automatic relative longitudinal movement between billet and core due to the force exerted by the contraction of the billet.

1,466,739. GRAPHITE CRUCIBLE. KOZO NAKAMURA, Toyoura-gun, Japan, assignor to Hikoshima Rutsubo Kabushiki Kaisha, Toyoura-gun, Yamaguchi, Japan, a Corporation of Japan. Filed Mar. 9, 1922. Serial No. 542,230. 1 Claim. (Cl. 263—48.)



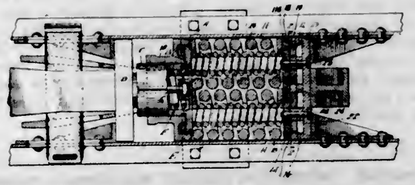
A crucible having the side walls thereof constructed of a plurality of superimposed substantially V shaped layers of graphite.

1,466,740. APPARATUS FOR BURNING IN BEARINGS OF INTERNAL-COMBUSTION MOTORS. WILLIAM B. NIENKIRK, Maquoketa, Iowa. Filed Sept. 14, 1922. Serial No. 588,240. 3 Claims. (Cl. 29—1.)



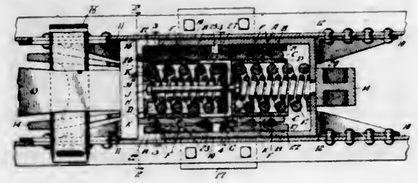
1. In apparatus of the class described, the combination with A-shaped frames spaced apart in parallelism and each including legs and a cross bar and cross bars arranged above and in the same vertical plane as the first-mentioned cross bar, the cross bars of one frame being in the same horizontal planes as those of the other frame, shafts journaled in said alining cross bars respectively, means for transmitting power to the lowermost shaft, a step down gearing between the lowermost shaft and the next adjacent shaft and a step down gearing between the last-mentioned shaft and the top shaft and means whereby said top shaft may be connected to the crank shaft of an internal combustion motor substantially as and for the purpose described.

1,466,741. FRICTION SHOCK-ABSORBING MECHANISM. JOHN F. O'CONNOR, Chicago, Ill., assignor to William H. Miner, Chazy, N. Y. Filed Oct. 17, 1921. Serial No. 508,337. 6 Claims. (Cl. 213—24.)



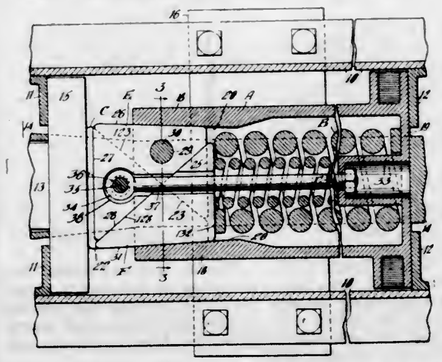
1. In a device of the character described, the combination with a casting for a friction shock absorbing mechanism adapted to house a spring resistance and having a transverse wall at one end; of a preliminary spring follower associated with said casting comprising, a plate on the inner side of said wall, a plate on the outer side of said wall and spacing pressure-transmitting means between said plates arranged to hold them separated a distance greater than the effective thickness of said wall, said means including a pair of spaced abutment elements embracing said transverse wall.

1,466,742. FRICTION SHOCK-ABSORBING MECHANISM. JOHN F. O'CONNOR, Chicago, Ill., assignor to William H. Miner, Chazy, N. Y. Filed Oct. 17, 1921. Serial No. 508,339. 13 Claims. (Cl. 213—32.)



1. In a friction shock absorbing mechanism, the combination with a friction shell having interior friction surfaces; of oppositely disposed wedge-friction-shoes cooperable with said shell friction surfaces; wedge elements cooperable with said wedge-friction-shoes; a spring within said shell, located between and in spaced relation to said shoes; and means for transferring resistance of the spring to the shoes.

1,466,743. FRICTION SHOCK-ABSORBING MECHANISM. JOHN F. O'CONNOR, Chicago, Ill., assignor to William H. Miner, Chazy, N. Y. Filed Nov. 8, 1922. Serial No. 599,621. 12 Claims. (Cl. 213—26.)

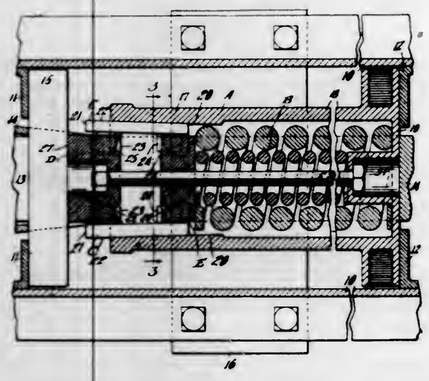


11. In a friction shock absorbing mechanism, the combination with a friction shell having interior friction surfaces; of a spring resistance; a set of cooperable wedge-friction-shoes, the friction surfaces of the shoes of the set cooperating with opposed friction surfaces of the shell; a second set of oppositely arranged wedge-friction-shoes, the friction surfaces of said shoes also cooperating with opposed friction surfaces of the shell; and means for communicating the movement of part of the shoes of one set to part of the shoes of the other set.

1,466,744. FRICTION SHOCK-ABSORBING MECHANISM. JOHN F. O'CONNOR, Chicago, Ill., assignor to William H. Miner, Chazy, N. Y. Filed Nov. 11, 1922. Serial No. 600,227. 4 Claims. (Cl. 213—32.)

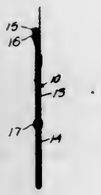
1. In a friction shock absorbing mechanism, the combination with a friction member having friction surfaces extending at a slight angle with respect to the axis of

the mechanism; of spring resisting means; a plurality of friction shoes operative upon and co-acting with said friction surfaces, each shoe having front and rear, oppositely arranged wedge sections, each section having di-



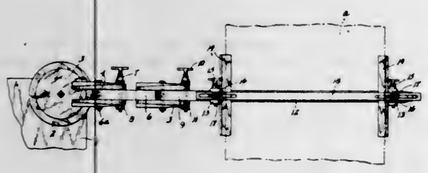
verging wedge faces extending substantially radially with respect to the axis of the mechanism; and front and rear wedge members, each having a plurality of sets of wedge faces cooperable with the respective sets of front and rear wedge sections on the shoes.

1,466,745. CUFF. SIDNEY H. OGDEN, Bridgeton, N. J., assignor of one-half to Francis H. Brown, Germantown, Philadelphia, Pa. Filed Jan. 20, 1922. Serial No. 530,612. 2 Claims. (Cl. 2—79.)



1. A reversely folded cuff having one longitudinal edge attached to the sleeve and having at each end a button hole extending through the folded portions and stitches about the button hole permanently uniting and constituting the sole fastening for the folded portions, substantially as set forth.

1,466,746. RADIATOR-HANDLING DEVICE. LOUIS H. OHLEN, Dell Rapids, S. Dak. Filed Feb. 2, 1922. Serial No. 533,589. 8 Claims. (Cl. 29—89.)



1. A radiator handling device having in combination, means for clamping and holding a radiator, a member extending from said means, means for swingingly supporting said member including a circular wedge, and adjustable means for clamping said circular wedge whereby said member may be successively swung to different positions.

1,466,747. PROCESS FOR DYEING FURS, SKINS, HAIRS, FEATHERS, OR THE LIKE. PAUL ONNERTZ, Berlin-Wilmersdorf, Germany, assignor to Actien Gesellschaft für Anilin Fabrikation, Berlin, Germany. Filed May 15, 1922. Serial No. 561,011. 2 Claims. (Cl. 8—5.)

1. Process of dyeing furs, skins, hairs, feathers and the like, comprising treating the same in the presence of an oxidizing agent with a solution of a 4-amino-1-oxybenzene containing a negative substituent.

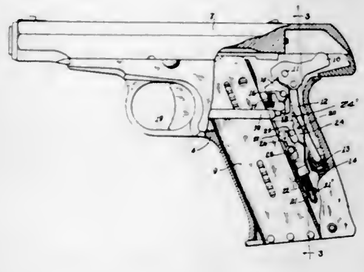
1,466,748. METHOD OF PROTECTING ANIMAL FIBER. PAUL ONNERTZ, Berlin-Wilmersdorf, ALFRED PETERS, Berlin, and BENNO SCHWÄRTZEL, Berlin-Wilmersdorf, Germany, assignors to Actien Gesellschaft für Anilin Fabrikation, Berlin, Germany. Filed June 10, 1922. Serial No. 567,400. 3 Claims. (Cl. 8—12.)

1. A method of protecting animal fiber which is treated with alkaline liquids consisting in adding to the alkaline liquid a compound of the general formula:



in which R means a univalent substituent and M means a metal.

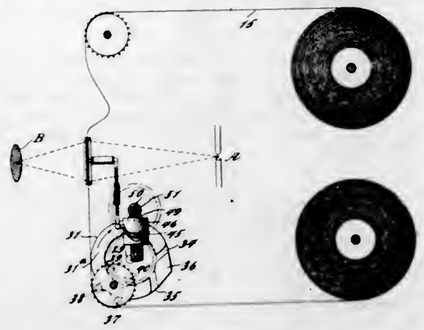
1,466,749. MAGAZINE SEAR LOCK FOR FIREARMS. JOHN D. PEDERSEN, Jackson, Wyo., and CRAWFORD C. LOOMIS, Ilion, N. Y.; said Loomis assignor, by mesne assignments, to Remington Arma Company, Inc., New York, N. Y., a Corporation of Delaware. Filed May 1, 1920. Serial No. 378,125. 4 Claims. (Cl. 42—70.)



1. In a firearm of the type having a removable magazine and firing mechanism comprising impact means, a sear engageable with said impact means for holding it in retracted position, and a safety device spring impelled to wedge said sear into engagement with said impact means, and means operable by the insertion of the magazine for withdrawing said latch and permitting operation of the firing mechanism.

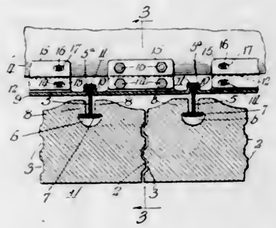
1,466,750. MOVING-PICTURE MACHINE. EUGENE PETERSON, New York, N. Y. Filed July 17, 1920. Serial No. 396,903. 9 Claims. (Cl. 88—16.2.)

2. The improvement in that method of recording sounds upon a sound record carried by a picture film which is moved intermittently through the machine adjacent to a magnetizing member, which consists in moving the sound producing device to produce substan-



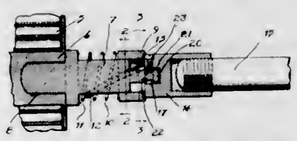
tially uniform relative movement between the sound producing device and an intermittently moved part of the sound record.

1,466,751. FIRE ARCH. HERMAN A. POPPENHUSEN, Hammond, Ind., and ARTHUR P. STRONG, Chicago, Ill., assignors to Green Engineering Company, East Chicago, Ind., a Corporation of Illinois. Filed May 8, 1922. Serial No. 559,143. 11 Claims. (Cl. 110—99.)



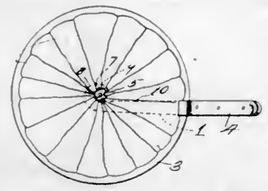
1. A fire-arch, comprising an upper structure, a plurality of contacting tiles arranged in rows beneath the same, I-beams engaged with said tiles and projecting above the same, plates extending between and engaged with said I-beams above said tiles for suspending the I-beams from said plates, said plates extending over the joints between said tiles for preventing the downward passage of air between said tiles, means for preventing the passage of air between said plates and I-beams, and means for suspending said plates from said upper structure.

1,466,752. SAFETY DEVICE FOR PHONOGRAPHS. RICHARD A. RAPKOCK, Chicago, Ill. Filed Oct. 30, 1920. Serial No. 420,848. 6 Claims. (Cl. 64—106.)



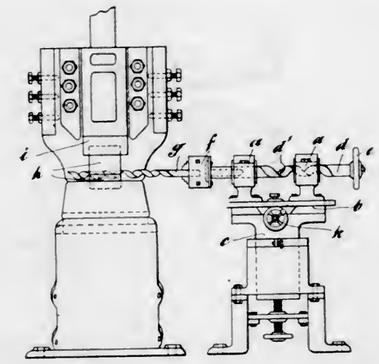
1. In a device of the class described, a spring motor, a spirally threaded stem, a crank, a slotted nut having a spiral groove in its inner periphery arranged to operatively connect said stem and crank, and means for throwing said stem and crank out of operative engagement when a predetermined tension of the spring of said motor has been reached.

1,466,753. GRAPEFRUIT KNIFE. FRANK T. RAUBERT, Ligonier, Ind., assignor to Mandel Altfeld, South Bend, Ind. Filed May 31, 1922. Serial No. 564,903. 3 Claims. (Cl. 146—3.)



1. The combination with a flexible blade of a grapefruit knife having a curved end portion, of a relatively large hooked end carried by said blade, said hooked end having its edges disposed in the same plane as the edge of the curved end of the knife blade.

1,466,754. MACHINE FOR FORMING SPIRAL FLUTES. THOMAS MORGAN REES, Kew Gardens, England. Filed Feb. 26, 1920. Serial No. 361,453. 2 Claims. (Cl. 78—13.)

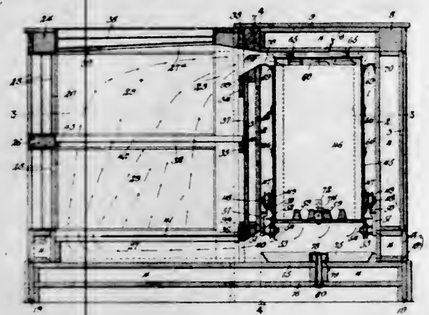


1. Means for forming spiral flutes or coarse threads on bars or rods for the production of twist drills and for other purposes, comprising hammer dies, a feeding spindle mounted for rotation and provided with a master spiral, flutes or threads coinciding or corresponding with the flutes or twist to be forged upon the rod by the dies, and also provided with universal joints, and means for supporting the rod or bar and feeding same to the forging hammer, said supporting means being arranged for vertical, lateral, longitudinal and angular movement and adjustment.

1,466,755. COMBINED REFRIGERATOR SHOW CASE AND COUNTER. REMER RAIMOND REID and FREDERICK NEUDORFF, Atlanta, Ga. Filed Apr. 7, 1922. Serial No. 550,497. 22 Claims. (Cl. 62—37.)

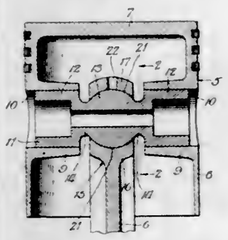
1. A refrigerator comprising a cooling chamber, a casing within the chamber and spaced from the walls thereof, a container within the casing having its walls corrugated and adapted to be filled with a cooling medium, a heat insulating partition extending from side to side of the chamber adjacent the casing and spaced from the top and bottom of the chamber, said corrugated walls

forming in connection with the casing, flues connected with the spaces above and below the partition, and means



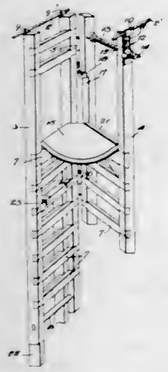
provided between the casing and the partition and walls surrounding the same for closing the space therebetween.

1,466,756. CONNECTING MEANS BETWEEN MOTOR PISTONS AND CONNECTING RODS. GEORGE R. RICH, Los Angeles, Calif. Filed Oct. 27, 1921. Serial No. 510,923. 3 Claims. (Cl. 74—108.)



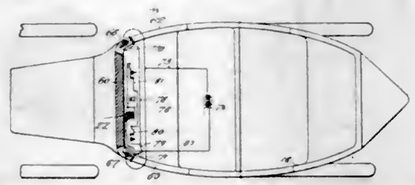
1. A wrist pin for motor pistons, having cylindrical end bearing portions and a centrally disposed ball like portion whose diameter is not greater than that of the end bearing portions.

1,466,757. FOLDING LADDER. LOUIS F. RIEMER, Morton Grove, Ill. Filed Dec. 30, 1922. Serial No. 609,883. 9 Claims. (Cl. 228—52.)



1. In combination with a longitudinally extending bench and rods thereabove parallel thereto, a pair of ladders movably interconnected and having means for suspension from one of said rods and one of said ladders engageable with a side of said bench.

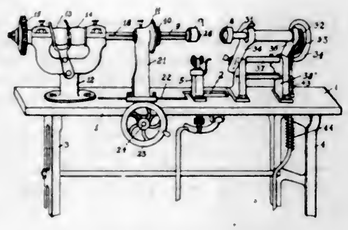
1,466,758. SAFETY-LOCK MECHANISM FOR AUTOMOBILES. HAROLD ROWNTREE, Kenilworth, Ill., assignor to National Pneumatic Company, New York, N. Y., a Corporation of West Virginia. Filed Apr. 2, 1920. Serial No. 370,824. 33 Claims. (Cl. 180—82.)



1. In a safety lock mechanism for automobiles, a member for controlling the operation of the automobile, and normally operable into position to permit the operation of the automobile, means for retaining said member in said normal position, and means rendered active by the movement of a member on the automobile to automatically release said retaining means.

25. In a safety lock mechanism for automobiles a member for controlling the operation of the automobile, manually operable into "on" or running position, means normally tending to restore said member to "off" position, a segment plate associated with said member, and a key controlled segment arm to engage said plate and lock the same when said member is in "off" position.

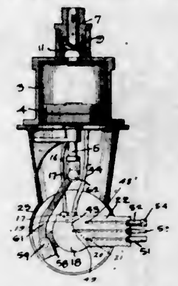
1,466,759. MACHINE FOR THE MANUFACTURE OF CARDBOARD BOXES. GIUSEPPE RUBELLO, Milan, Italy. Filed Aug. 1, 1922. Serial No. 578,934. 4 Claims. (Cl. 93—36.)



1. A machine for the manufacture of cardboard boxes from tubes, comprising a supporting table, a bracket mounted on the table, a shaft carried by the bracket, a movable headstock on the table, a grooved cone—carried on said headstock—for gripping and carrying the tube, a cone cylinder located on the end of the said shaft, flanging means mounted on the table, and means also mounted on the table for cutting off each box.

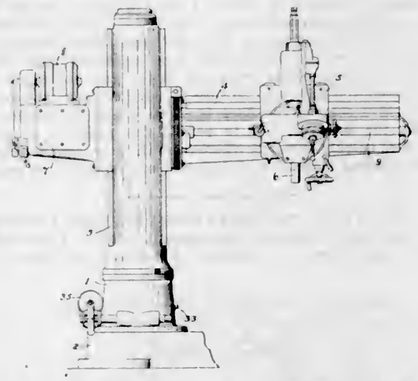
1,466,760. BEVERAGE FAUCET. GEORGE H. T. SCRIBNER and SYLVAN H. SUSSKIND, San Francisco, Calif., assignors to M. Getz & Co. Inc., San Francisco, Calif., a Corporation of California. Filed May 11, 1920. Serial No. 380,461. 10 Claims. (Cl. 225—25.)

1. A dispensing faucet comprising a casing; a plug in said casing having an extension thereon; a nozzle on said plug; a conduit in said plug discharging into said nozzle; a soda water valve discharging into said conduit; a sleeve on said extension; a syrup pump dis-



charging into said conduit; means on said sleeve for actuating said pump; and handles on said sleeve and said soda water valve.

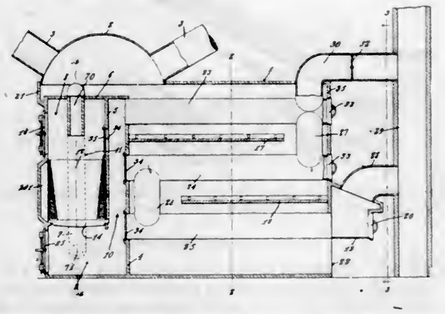
1,466,761. RADIAL DRILLING MACHINE. WILLARD T. SEARS, Montclair, N. J., assignor to Niles-Bement-Pond Company, New York, N. Y., a Corporation of New Jersey. Filed May 15, 1920. Serial No. 381,556. 27 Claims. (Cl. 77—28.)



1. In a drilling machine, the combination of a base, a column supported thereon, an arm projecting horizontally from the column, drilling mechanism carried by the arm, clamping mechanism for securing the arm from rotation relative to the base, and continuous rotary power means including a rotary power shaft operatively connected to the clamping mechanism for operating and holding the same under a clamping tension tending to tighten the clamp when in its clamping position.

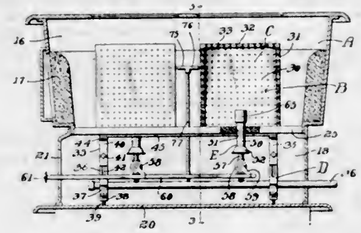
1,466,762. FURNACE. SAMUEL F. SHAFER, Tacoma, Wash. Filed Dec. 8, 1919. Serial No. 343,277. 2 Claims. (Cl. 126—99.)

1. In a device of the class described, a casing embodying a front wall, a rear wall, sides and a top, the lower rear portion of the casing having an inlet for cold air, and the upper front portion of the casing having an outlet for heated air; a transverse wall extended entirely across the casing from side to side and spaced at its upper edge from the top of the casing; a combustion chamber in the casing and located in front of the transverse wall, the sides of the chamber being spaced from the sides of the casing, the chamber terminating short of the bottom of the casing, and being spaced from the transverse wall to form a passage communicating with the space below the combustion chamber and closed at its top; an air flue opening at its upper end into the combustion chamber and extended downwardly between one side of the casing and the corresponding side of the chamber, the flue communicating at its lower end with the atmosphere; a stack at the rear of the casing; a header extended across the rear end of the casing; a communication between the header and the stack; sinuous flues opening at their lower rear ends into the header and opening at their



upper forward ends into said passage, the intermediate portions of the flues communicating with said passage; dampers controlling the points of communication between the sinuous flues and the passage; a damper controlling the flow of the products of combustion from the combustion chamber directly into the passage; a pipe connecting the upper portions of the sinuous flues with the stack; and a damper in the pipe.

1,466,763. GAS BURNER. JOSEPH W. SHARP, Philadelphia, Pa. Filed Sept. 13, 1921. Serial No. 500,322. 3 Claims. (Cl. 126—39.)

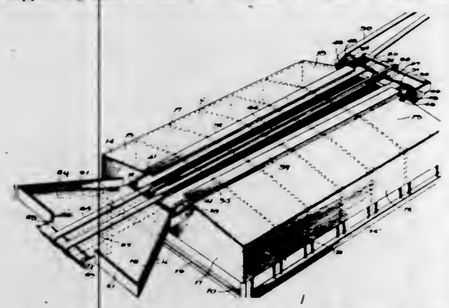


1. The combination with a coal burning stove including a fire box and an ash pit having a lower wall, of a gas burner attachment therefor including a bed plate of refractory material fitted within the fire box and arranged to snugly engage the walls thereof, a plurality of hoods of refractory material having lower open ends fitted upon said plate, the hoods having a plurality of minute perforations therein, a stand arranged in the ash pit engaging the lower wall thereof, and a gas feed tube extended into the ash pit and supported by the stand, upstanding burner tubes carried by the gas feed tube and extending through the plates and into said hood, valves disposed within the burner tubes, means for controlling said valves, and means for permitting the adjustment of the refractory plate in relation to the ash pit and fire box.

1,466,764. SORTING OR SIZING APPARATUS. LE ROY DODD SPENCER, Winesap, Wash. Filed Mar. 24, 1922. Serial No. 546,439. 7 Claims. (Cl. 130—32.)

1. In a sizing apparatus, a compartment, means for dropping objects being sized into the one end of said com-

partment, a bottom for said compartment, and means for supporting said bottom so that the outer end thereof may



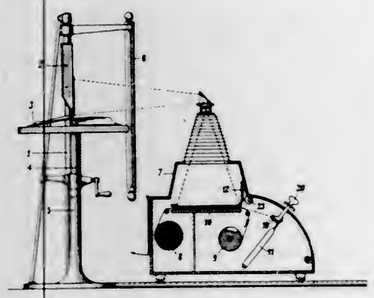
be depressed with the filling of said compartment while the inner end thereof remains stationary.

1,466,765. DEMOUNTABLE COLLAPSIBLE RIM. LEO BURDELL SPENCER and JAMES EMERSON SPENCER, Akron, Ohio. Filed Nov. 4, 1922. Serial No. 599,057. 1 Claim. (Cl. 301—32.)



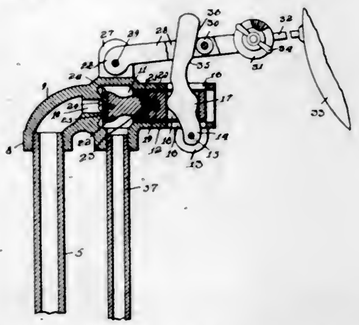
A collapsible rim, comprising main and collapsible rim sections constituting approximately two-thirds and one-third, respectively, of the circumference of the rim when expanded, said sections having offset hinge receiving pockets on their inner sides and terminal recesses conjointly forming hinge lug receiving openings at the joints of said sections, and hinge leaves seated in said pockets terminating in hinge lugs extending into said hinge lug receiving openings at hte joints of said sections whereby said hinge leaves and the lugs interlock with said rim sections to relieve the fastening elements of shearing action.

1,466,766. MEANS FOR PHOTOGRAPHICALLY REPRODUCING PRINTED MATTER. MAX STEWIEN, Charlottenburg, near Berlin, Germany. Filed Aug. 30, 1921. Serial No. 496,924. 4 Claims. (Cl. 88—24.) (Granted under the provisions of the act of Mar. 3, 1921, 41 Stat. L., 1313.)



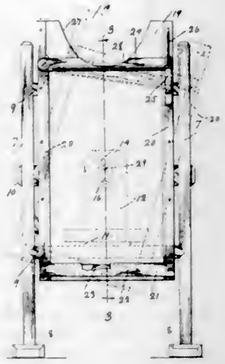
1. In a device for photographically reproducing printed matter particularly from text books in combination with a reproduction camera, a suction device having a plain suction surface directed toward the objective of the camera, a table forming a support for the original to be reproduced, and means for adjusting the height of said table independent from the camera.

1,466,767. BALL COCK. HENRY STOFFEL, Tulsa, Okla. Filed June 30, 1920. Serial No. 393,047. 1 Claim. (Cl. 137—104.)



An automatic valve including a valve casing having an inlet and an outlet, a valve seat formed within the casing and positioned between the inlet and outlet, a valve mounted to slide within the casing and positioned to cooperate with the valve seat to control communication between the inlet and outlet, said valve having a slot formed therein, an arm pivotally secured to the valve casing and operably connected to a float, a lever pivotally secured to the valve casing and having an enlargement which extends through and engages in said slot, said lever having a concave face and a straight face extending from the concave face, a roller journaled on the arm and adapted to engage the said straight face to move the valve towards the valve seat as the float is elevated and to cooperate with the concave face to permit the pressure of the fluid to quickly move the valve from the seat, said concave face tending to restrain the upward movement of the arm.

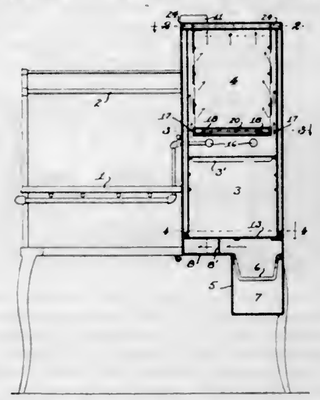
1,466,768. PHOTOGRAPHIC-PRINTING DEVICE. CHARLES B. STRUBLE, Minneapolis, Minn. Filed Dec. 6, 1920. Serial No. 428,810. 4 Claims. (Cl. 88—24.)



1. The combination with an easel having an open socket and means for moving the same rearward, of a printing frame adapted to bear against said easel and having a headed pivot stud detachably engageable with said socket and co-operating therewith to pivotally support said frame and to clamp the same against said easel.

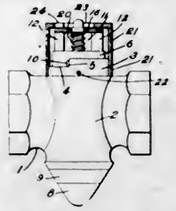
1,466,769. COMBINATION GAS AND COAL RANGE. JOHN F. SULLIVAN, San Francisco, Calif. Filed Sept. 5, 1922. Serial No. 586,104. 9 Claims. (Cl. 126—36.)

1. A combination gas and coal range comprising a main top; a broiler at one end of the main top; suitable heating elements for the main top and broiler; and a coal heater underlying and adjoining the broiler, the bottom of the



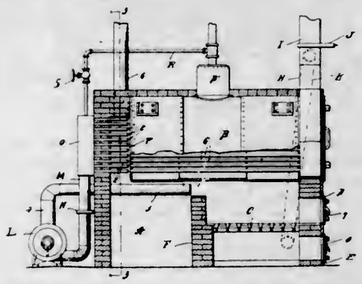
broiler forming the immediate and sole cover of the coal heater and uninterruptedly exposed to the products of combustion of the fuel in said heater.

1,466,770. GAS COCK. ALBERT ROMAINE TALLMAN, Nashville, Tenn. Filed Feb. 9, 1921. Serial No. 443,596. 2 Claims. (Cl. 251—100.)



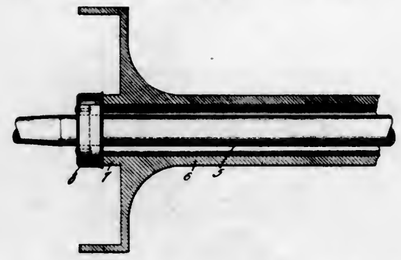
2. In a device of the class described, a casing having a key hole; a valve journaled in the casing and provided with a fin; a spindle on the valve and alined with the key hole; a cover plate for the key hole, the cover plate being slidable on the spindle and being interengaged with the fin for rotation with the valve; and a spring on the spindle and interposed between the valve and the cover plate.

1,466,771. STEAM-BOILER FURNACE. JOSEPH N. TOMES, Buffalo, N. Y., assignor to J. N. Tomes Smoke Consumer and Fuel Economizer Co., Inc., Buffalo, N. Y., a Corporation of New York. Filed Sept. 19, 1921. Serial No. 501,684. 3 Claims. (Cl. 110—49.)



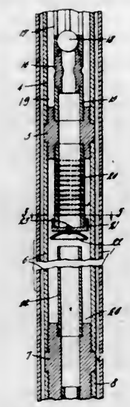
1. A furnace of the class described having a steam boiler, means for passage of air therethrough providing a gap within the furnace to induce products of combustion through the boiler, said means being in communication with the firebox to convey heated air therefrom, and a vent means for the furnace to cooperate with said means and having its discharge end at said gap.

1,466,772. OIL RETAINER. WILLIAM L. TRAUTNER and GEORGE H. TRAUTNER, St. Paul, Minn. Filed Feb. 10, 1922. Serial No. 535,574. 1 Claim. (Cl. 286—7.)



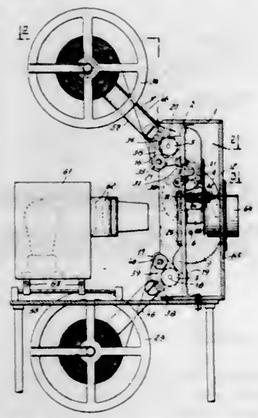
In combination with an axle housing, axle supported therein, and housing cap supported at one end of the axle housing, a body portion secured to the housing cap and having an inwardly extending flange, a flexible washer positioned between the flange of the body portion and one wall of the housing cap to support the washer, a coiled spring embracing the washer and normally urging the same into engagement with the axle, and means for securing the body portion within the housing cap.

1,466,773. SILT TRAP. GEORGE BORNETTE TREW, Shreveport, La. Filed July 13, 1921. Serial No. 484,526. 4 Claims. (Cl. 103—220.)



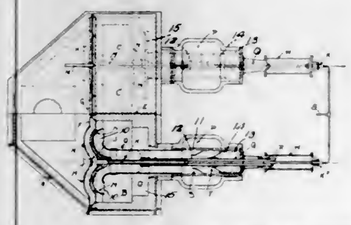
1. In a device of the class described, a working barrel, having a depending extension which is provided at its lower end with a screen, an upper partition in the extension, a valve upstanding from the partition, a second screen depending from the partition and communicating with the valve, the partition and depending extension forming a sand trap below and about the valve, a deflector carried by the second screen, a lower partition in the extension, a depending tubular member carried by the lower partition and extended into the first specified screen, an upstanding tubular member carried by the lower partition and communicating with the depending tubular member, the upstanding tubular member discharging against the deflector, the lower partition forming a sand trap about the upstanding tubular member; and a piston mounted for reciprocation in the barrel.

1,466,774. CAMERA. ALEXANDER WASSILIEFF, New York, N. Y., assignor to Mathilde von Herrlich, New York, N. Y. Filed Dec. 13, 1916. Serial No. 136,593. 5 Claims. (Cl. 88—17.)



1. In an apparatus of the class described, the combination of a frame having a transverse light-tight partition comprising a hood on the front side thereof and opening toward the rear, film-feeding mechanism for feeding the film along the rear of said partition, a projection aperture in said partition, and tension guides carried by said partition for maintaining the film taut at the aperture, said film-feeding mechanism comprising an intermittently driven sprocket supported on said partition and enclosed in said hood, and a continuously driven sprocket supported above said intermittent sprocket whereby said hood provides a recess protecting the loop of film between said sprockets.

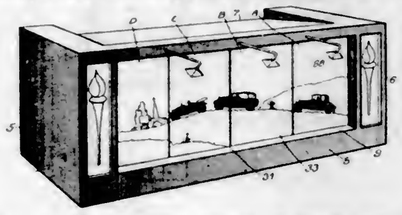
1,466,775. REVERSING VALVE FOR OPEN-HEARTH AND OTHER TYPES OF REGENERATIVE FURNACES. WILLIAM HENRY WHARTON, Toronto, Ontario, Canada. Filed Jan. 14, 1921. Serial No. 437,262. 28 Claims. (Cl. 277—6.)



1. In reversing valves for open hearth and other type regenerative furnaces, the combination with a valve chamber divided into three compartments, flues communicating with the respective compartments, vertically positioned water-cooled hollow partitions between two compartments and the third compartment having openings therethrough constituting vertically positioned water-cooled valve seats, and valve bodies alternately closing the openings in the respective partitions.

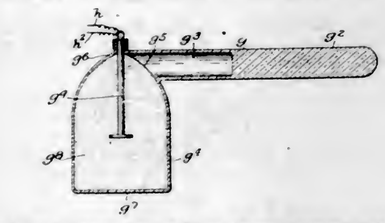
1,466,776. SIGNBOARD. FRED G. WHITE, Kansas City, Mo., assignor to Lewis R. Long, Kansas City, Mo. Filed Mar. 26, 1921. Serial No. 455,884. 2 Claims. (Cl. 40—76.)

1. A device of the class described, comprising rotatable, indicia-carrying drums having complementary aligning faces and mounted for rotation about fixed axes, mechanism for synchronously rotating the drums to successively present complementary aligning faces, said mechanism comprising connected, independent driving means for each drum, the driving means operating in unison and an intermittently operated driving mechanism for said driving means comprising a drive wheel, a shaft on which



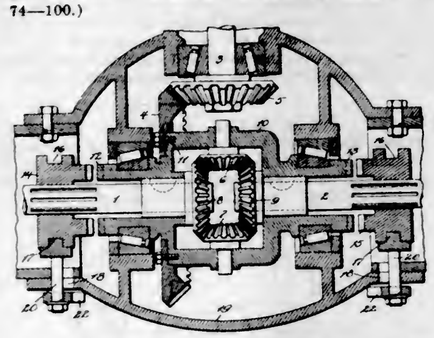
the drive wheel is loosely mounted, a notched disk fixed to the shaft, a spring actuated pawl on the drive wheel and normally urged into notch-engaging position and means for temporarily contacting with said pawl to move it out of notch-engaging position during part of the rotation of the drive wheel.

1,466,777. RADIOACTIVE VACUUM TUBE. LOUIS WINKELMANN, Hoboken, N. J. Filed Sept. 6, 1921. Serial No. 498,877. 14 Claims. (Cl. 174—89.)



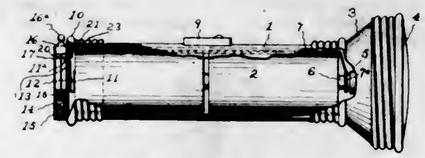
1. The combination with a vacuum element containing electrical terminals, of a radio-active substance.

1,466,778. LOCKING MEANS FOR DIFFERENTIAL GEARS. HERBERT A. WOODS, St. Louis, Mo. Filed Dec. 27, 1921. Serial No. 524,960. 2 Claims. (Cl. 74—100.)



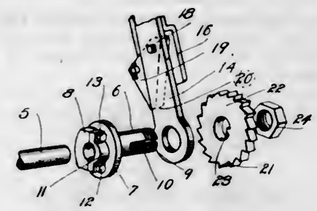
1. In combination with a differential gear, the same comprising a driving-shaft, a pair of separate driven-shafts, means including a main gear and a gear box fixed to the main gear for relating the driven shaft to the driving-shafts for relatively independent rotation of the driven-shafts, means for operatively connecting the driven shafts with the driving-shaft for relatively unitary rotation of the driven-shafts, said means including clutch-members on the gear box, clutch members shiftable on the driven-shafts into engagement with the first clutch-members, each of said second clutch-members having an annular slot, shoes disposed in said slots, stems projecting from the shoes, and a pivoted lever having cam-slot engagement with said stems for shifting the second clutch members.

1,466,779. COMBINED CIGAR LIGHTER AND FLASH LIGHT. ARTHUR ERNEST ANAKIN, Long Beach, Calif., assignor to Anakin Protection Mfg. Co., Long Beach, Calif. Filed Mar. 15, 1922. Serial No. 544,051. 7 Claims. (Cl. 240—8.5.)



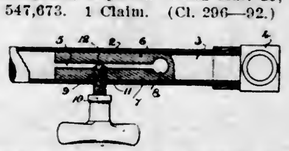
1. A combined flashlight and cigar lighter comprising a portable battery container and a battery therein, illuminating means mounted upon the container and in circuit with the battery, a closure member for said container, ignition means mounted upon the closure member and arranged to be placed in circuit with the battery when the closure member is applied to the container and a movable contact member upon said closure for actuating the ignition means to effect a spark.

1,466,780. DISRUPTABLE PIN FOR MOTOR-STARTING DEVICES. FRED E. ANDERSON, Osage City, Kans., assignor of one-half to Albert Robert, Osage City, Kans. Filed Nov. 30, 1921. Serial No. 518,827. 3 Claims. (Cl. 123—185.)



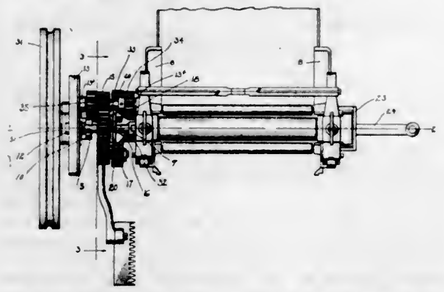
1. An engine starting device comprising a shaft, a ratchet on the shaft, a lever loose on the shaft, a pawl co-operating with the lever to engage the ratchet, a breakable pivot connecting the pawl to the lever, and means for connecting the shaft to the crank shaft of an engine.

1,466,781. WINDSHIELD HINGE. ARTHUR COLLINS AUSTER, Birmingham, England, assignor to Auster Limited, Birmingham, England. Filed Mar. 29, 1922. Serial No. 547,673. 1 Claim. (Cl. 296—92.)



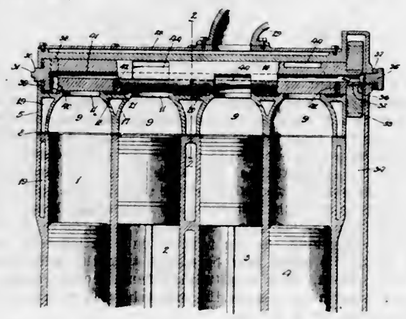
An adjustable hinge for wind-screens of motor-cars and the like comprising an outer rotatable tube; a split rod engaging the interior of the tube, said rod being rigidly fixed at its outer end and having a longitudinal slit extending from its inner free end to form a pair of branches, said slit terminating in an enlargement which weakens the branches of the rod at this point; and a screw passing through an internally screw-threaded hole in one branch of the split inner rod, at a point between the inner free end of the rod and the enlargement of the slit, whereby the initial tightening of said screw will cause the inner end of said branches to be forced into contact with said tube to form fulcrums about which further tightening of said screw will force said branches to be distorted and thereby force the entire outer surfaces of said branches into tight frictional engagement with said tube.

1,466,782. TRANSMISSION GEAR. WILLIAM GEORGE BEATTY, Fergus, Ontario, Canada. Filed Jan. 4, 1922. Serial No. 527,027. 2 Claims. (Cl. 74—58.)



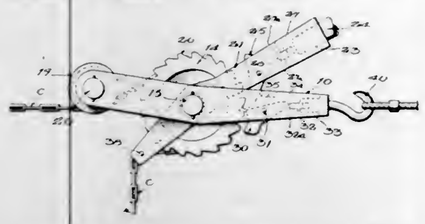
1. A transmission gear comprising a driving shaft, a pinion on the driving shaft revoluble therewith, a counter shaft, a pinion on the counter shaft in mesh with the pinion on the driving shaft, a second pinion on the counter shaft spaced from the first mentioned one, a driven shaft, a spur wheel loosely mounted on the driven shaft and selectively movable into mesh with either the pinion on the driving shaft or the second mentioned pinion on the counter shaft or into a neutral position between them, clutch members carried by the spur wheel, and clutch members on the driven shaft engageable with the clutch members of the spur wheel.

1,466,783. INTERNAL-COMBUSTION ENGINE. CHARLES R. BOHANNON, Highland Park, Ky., assignor of one-half to Guy E. Watson, Highland Park, Ky. Filed Apr. 21, 1921. Serial No. 463,242. 5 Claims. (Cl. 123—59.)



4. The combination of a cylinder block containing cylinders, a head secured upon the block and containing partitions defining combustion chambers communicating with the respective cylinders, said partitions being provided with recesses in their upper surfaces, a rotary valve mounted longitudinally in the head and extending over the said recesses and the several combustion chambers, said valve being provided at one end with a trunnion journaled in the adjacent end of the head and at its opposite end with a trunnion having a socket in its extremity, the valve being provided with an axial bore closed at the first-mentioned end thereof and opening through the second-mentioned trunnion and with radial ports arranged to establish communication between said bore and the several recesses, and an adjusting screw engaging the socketed extremity of the second-mentioned trunnion and provided with a passage establishing a discharge from the adjacent end of the bore in the valve.

1,466,784. PULLING DEVICE. ERNEST W. BRAUTIGAM, Coeur d'Alene, Idaho. Filed June 6, 1922. Serial No. 566,229. 6 Claims. (Cl. 254—164.)



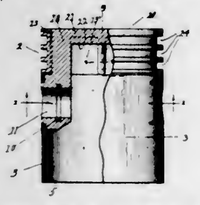
1. In a pulling device, in combination, a frame, a winding sheave supported thereby, a lever, a driving pawl carried by the lever and cooperable with the winding sheave for driving the same, means carried by the frame and cooperable with the pawl for shifting the pawl into engagement with the winding sheave or out of engagement therewith, yieldable means carried by the lever for releasably holding the pawl in engagement with the winding sheave or out of engagement therewith, a detent for preventing retrograde movement of the winding sheave, the driving pawl being engageable with the detent to throw the same out of engagement with the winding sheave, yieldable means for releasably holding the detent in engagement with the winding sheave or out of engagement therewith, and means carried by the lever and adapted to be engaged with the detent for moving the same back into engagement with the sheave.

1,466,785. SKATE SHARPENER. WILLIAM J. BRUNELL, Detroit, Mich. Filed Oct. 26, 1921. Serial No. 510,638. 1 Claim. (Cl. 76—83.)



An implement of the character described comprising a file of any desired length substantially square in cross-section, two of its opposite marginal edges being rounded, the other two longitudinal edges being square, a file holder comprising a tube adapted to receive the said file and provided with a longitudinal slot adapted to be alined with one of the longitudinal edges of the said file, the said tube being equipped with longitudinally extending flanges extending from the marginal edges of the said groove, means to removably hold the file within the tube whereby any one of the file edges may be alined with the said longitudinal groove, each longitudinal flange being equipped with a finger grip whereby the said tube may be manually moved when it is in use.

1,466,786. PISTON. ALFRED BRYNTESON, St. Paul, Minn. Filed Apr. 17, 1922. Serial No. 554,259. 6 Claims. (Cl. 74—108.)



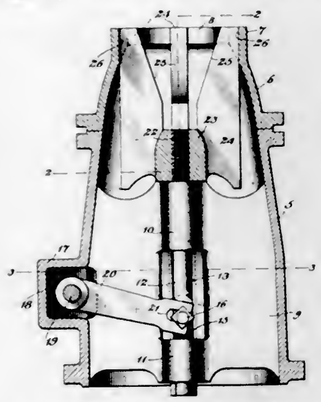
1. A piston, comprising a tubular soft steel shell portion having indents in opposite sides thereof, said indents having openings in communication with the interior of said shell portion, and a cast metal portion forming the top of the piston, said cast portion extending downwardly at opposite sides and filling said indents and extending through said openings and completely embedding the inner side of said indents to thereby form wrist pin journal blocks.

1,466,787. LAWN MOWER. GEORGE FREDERICK BULL, Birmingham, England, assignor of one-half to Charles H Pugh Limited, Birmingham, England. Filed June 9, 1922. Serial No. 566,967. 5 Claims. (Cl. 56—252.)



1. A grass conveyor for lawn-mowers having a rigid skeleton framework member, a ledge upon the framework member, a detachable conveyor plate mounted upon the said framework member with its lower edge disposed behind the said ledge, a plurality of seatings upon which the said lower edge of the conveyor plate rests, and means for readily attaching the plate to and detaching the same from the aforesaid framework member.

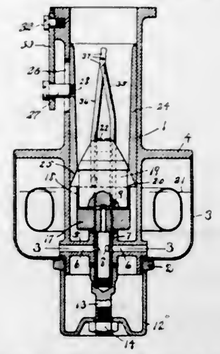
1,466,788. VARIABLE EXHAUST NOZZLE FOR LOCOMOTIVES. VIRGINIUS Z. CARACRISTI, Bronxville, N. Y. Filed Oct. 11, 1920. Serial No. 416,234. 9 Claims. (Cl. 162—7.)



1. A variable exhaust nozzle comprising a body having an emission orifice, and relatively adjustable means subdividing said orifice into a plurality of variable steam emission areas.

1,466,789. CARBURETOR. GILBERT CHRISTIAN, Detroit, Mich. Filed Oct. 9, 1918. Serial No. 257,522. 5 Claims. (Cl. 261—41.)

1. In a carburetor, the combination of a body, a fuel nozzle therein having a circumferential discharge opening, a tubular throttle valve adjustable toward and from the nozzle to control the area of the main passage for the explosive mixture, manually operable means for positioning the throttle valve, and a fuel pipe mounted in the throttle valve and so positioned that its inake end will be adjacent to the fuel discharge opening in the said nozzle when the throttle valve is at the end of its travel toward the nozzle, the fuel pipe being perforated near its opposite end to permit the escape of the fuel, and an air pipe mounted in the throttle valve and so positioned that its intake end will be below the fuel discharge opening in the nozzle when the throttle valve is at the end of its travel toward the nozzle, the discharge end of the air pipe being just below the perforations in the fuel pipe.



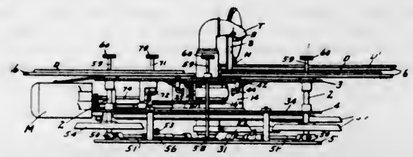
5. In a carburetor, the combination of a body, a fuel nozzle in the lower part thereof having a discharge opening, a tubular throttle valve movable vertically toward and from the nozzle to control the area of the main passage for the explosive mixture, and a pair of pipes extending up within the throttle, one to convey air and the other to convey fuel when the main passage is closed, the upper end of the fuel pipe being perforated and the upper end of the air pipe terminating just below the perforations so that the air will mix with the fuel.

1,466,790. GAUGE CASE. ERNEST B. CROCKER, Stratford, Conn., assignor to Manning, Maxwell & Moore, Inc., New York, N. Y., a Corporation of New Jersey. Filed Apr. 12, 1920. Serial No. 373,141. Renewed July 14, 1923. 2 Claims. (Cl. 220—82.)



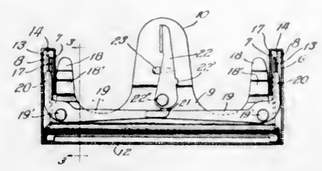
2. In a gauge or other instrument case constructed of metal, a skirt portion, the metal at one end of said skirt portion being bent inwardly and then folded outwardly upon itself to form an inwardly extending flange, in combination with a cover plate, and a flanged ring member fitting within the skirt portion and serving to clamp and retain the cover plate in position against the flange formed at the end of the skirt portion.

1,466,791. AUTOMATIC MULTIPLE-RECORD PHONOGRAPH. WILLIAM H. DAILY, Los Angeles, Calif. Filed July 25, 1922. Serial No. 577,324. 19 Claims. (Cl. 274—10.)



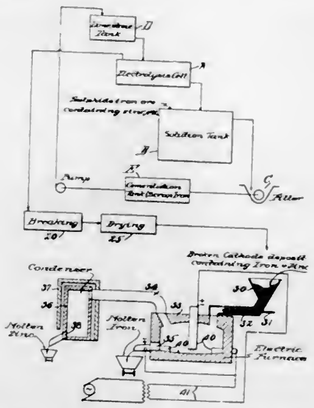
1. A phonograph comprising a circular series of record supports, operating means therefor, a reproducer mounted concentrically within said series of supports, means operating automatically to move the reproducer successively from one record to another, said supports including turntables lying in a common plane when in inoperative position and means for elevating the supports.

1,466,792. FOLLOWER FOR FILING DRAWERS. JOSEPH S. DUNCAN, Chicago, Ill. Filed Feb. 9, 1922. Serial No. 535,152. 5 Claims. (Cl. 129—29.)



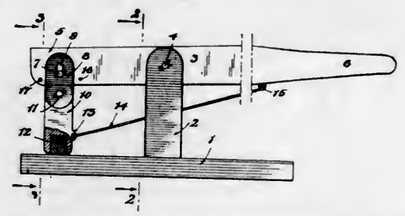
1. A follower for filing drawers comprising a body member having upstanding bearing projections, levers pivotally mounted on the body member at the base of said projections, clamping jaws on said levers extending upward in cooperative relation with said projections, and means for operating the levers.

1,466,793. PROCESS OF SEPARATING AND RECOVERING IRON AND ZINC FROM SULPHIDE ORES. FREDERIC A. EUSTIS, Milton, and DONALD BELCHER, Boston, Mass., assignors of one-half to said Eustis and one-half to Charles Page Perin, New York, N. Y. Filed Sept. 29, 1922. Serial No. 591,270. 11 Claims. (Cl. 204—15.)



1. The art of treating ores containing iron and zinc comprising subjecting the ores to solution and the solution to electrolysis for the recovery of a cathode deposit of mixed iron and zinc, and subjecting the said deposit to temperatures above the volatilization point of zinc, whereby to drive off the zinc by volatilization and recover pure iron.

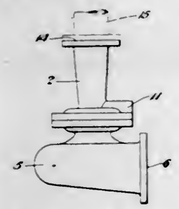
1,466,794. LIFTING JACK. FLEMING A. FRASER, New York, N. Y. Filed Dec. 8, 1922. Serial No. 605,575. 5 Claims. (Cl. 254—131.)



1. A device of the class described comprising a pivoted lever and means for supporting the same, said lever hav-

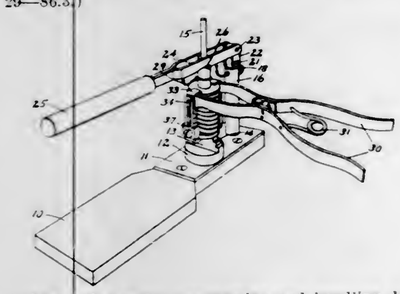
ing a load-bearing end and a handle end, a link connected to said load-bearing end and a supporting block pivotally connected to said link.

1,466,795. FUEL MIXER. ROBERT M. GIBSON, Pittsburgh, Pa. Filed Mar. 3, 1922. Serial No. 540,874. 4 Claims. (Cl. 158—118.)



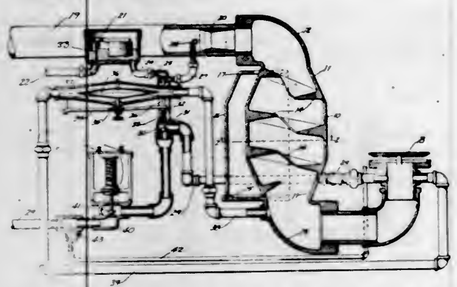
1. A fuel mixer comprising an elongated hollow casing having a contracted portion intermediate its ends to form a Venturi tube mixing chamber, said casing being provided with a fuel inlet in its rear end, an air inlet entering said chamber tangentially at a point forward of said fuel inlet and to the rear of the contracted portion, and a second fuel inlet entering through the side wall of said casing at its most contracted point and adapted to direct fuel transversely of the mixing chamber.

1,466,796. VALVE-SPRING COMPRESSOR AND PLACER. MILO W. KIBBE, Los Angeles, Calif. Filed Sept. 15, 1921. Serial No. 500,876. 4 Claims. (Cl. 29—86.3.)



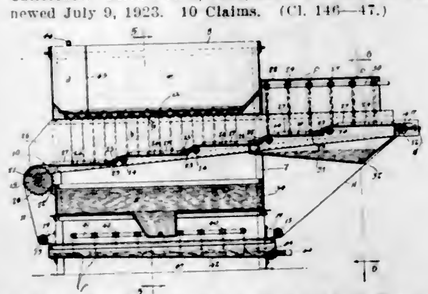
1. In a valve spring compressing and handling device, a support for a spring, a vertically adjustable member adjacent to said support, a lever fulcrumed to said vertically adjustable member and a sleeve loosely arranged on the support and adapted to be engaged by said lever.

1,466,797. HOMOGENIZER. HAROLD S. LAMB, Los Angeles, Calif., assignor to William C. Scheu, Los Angeles, Calif. Filed May 26, 1921. Serial No. 472,722. 9 Claims. (Cl. 158—28.)



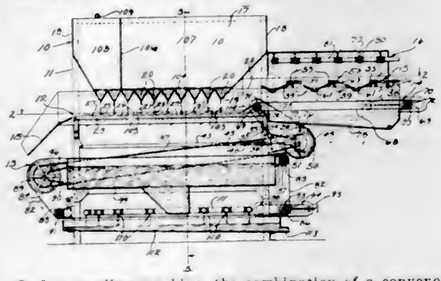
8. The combination with a mixing device and a burner associated therewith, of means for delivering air and liquid hydrocarbon to the inlet end of said mixing device, means for delivering gaseous fuel to said burner, means controlled by the heat generated by said burner for cutting off the flow of gaseous fuel to said burner and simultaneously opening the passageway through which the liquid hydrocarbon is admitted to said mixing device, and auxiliary means for controlling the flow of gaseous fuel to said burner.

1,466,798. APPARATUS FOR AND METHOD OF PEELING VEGETABLES OR FRUITS. HARRY M. MILLER, Los Angeles, Calif., assignor to National Peeling Machine Company, Los Angeles, Calif., a Corporation of California. Filed Dec. 5, 1921, Serial No. 519,964. Renewed July 9, 1923. 10 Claims. (Cl. 146—47.)



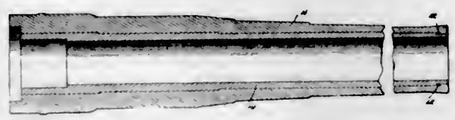
1. In a method of peeling vegetables or fruit, the combination of steps consisting in rolling the articles along a surface onto a moving surface to produce a rubbing action upon the skins of said articles, and discharging water upon said articles.

1,466,799. PEELING MACHINE. HARRY M. MILLER, South Pasadena, Calif., assignor to National Peeling Machine Company, Los Angeles, Calif., a Corporation of California. Filed Apr. 10, 1922. Serial No. 551,259. Renewed July 9, 1923. 3 Claims. (Cl. 146—47.)



3. In a peeling machine, the combination of a conveyor apron, means to operate said apron, a transverse series of independently pivoted fingers above the apron, and knives on the respective fingers.

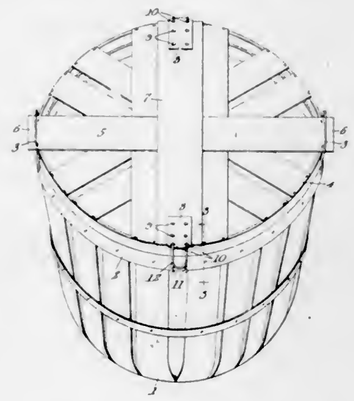
1,466,800. DEVICE FOR PREVENTING RELATIVE ROTATION OF GUN CYLINDERS. REES C. MORGAN, Bethlehem, Pa., assignor to Bethlehem Steel Company, Bethlehem, Pa., a Corporation of Pennsylvania. Filed Nov. 16, 1920. Serial No. 424,427. 5 Claims. (Cl. 89—16.)



1. In a gun of the class described, the combination with two adjacent telescoped cylinders, of an elongated element

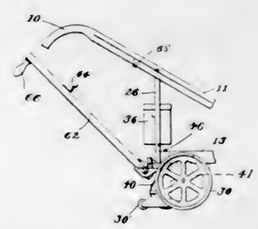
extending circumferentially of the gun between said cylinders and provided with means to grip both cylinders to hold them against relative movement of rotation.

1,466,801. FASTENER FOR BASKET COVERS. WALTER E. MORGAN, Dayton, Tenn. Filed Aug. 9, 1922. Serial No. 580,780. 8 Claims. (Cl. 292—253.)



1. A fastener for basket covers and the like, comprising a rigid member supported by the cover, and a bendable member slidably carried by said rigid member and formed for engagement with the basket.

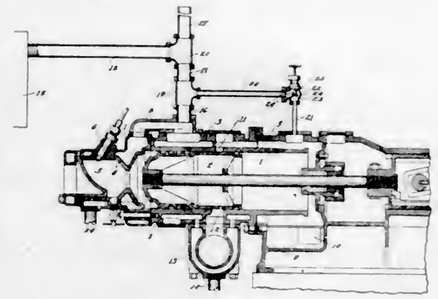
1,466,802. TRACTOR APPLIANCE. GEORGE H. NOBBS, Watertown, Mass. Filed Apr. 12, 1920. Serial No. 373,110. 11 Claims. (Cl. 180—19.)



1. A device for attaching an appliance to a tractor having two spread guiding handles at the rear thereof rigid with the frame, comprising a vertical swivel for the appliance on the tractor frame at the rear, and a tiller extending to the rear from the appliance; the said appliance comprising the rear support of the tractor frame.

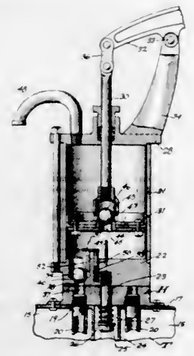
1,466,803. WATER-CIRCULATING SYSTEM FOR INTERNAL-COMBUSTION ENGINES. EMIL OPPERKUCK, Springfield, Ohio, assignor to The Superior Gas Engine Company, Springfield, Ohio, a Corporation of Ohio. Filed June 19, 1922. Serial No. 569,477. 2 Claims. (Cl. 123—175.)

1. In an internal combustion engine, the combination, with the cylinder, of a water jacket, an air chamber located about one end of the cylinder in which air is compressed upon each working stroke of the piston, a water discharge pipe leading from the jacket, and an air pipe forming a communication between said air chamber



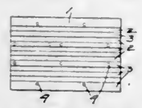
and said water pipe, and means for preventing back pressure in said air pipe and for regulating the amount of air passing therethrough.

1,466,804. LIQUID-DISPENSING APPARATUS. FINGAL C. ORR, Burbank, Calif. Filed Dec. 22, 1921. Serial No. 524,151. 7 Claims. (Cl. 221—80.)



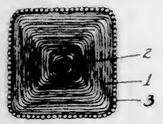
1. A liquid dispensing apparatus comprising a plurality of compartments and a pump, outlets for each of the compartments, a common means movable to communicate with any one of the outlets for effecting a withdrawal of the liquid content of the corresponding compartment, and means operating to allow a drainage of the liquid content of the pump into a compartment when the pump is inactive.

1,466,805. BASE FOR STUCCO, PLASTER, AND THE LIKE. ALMENZER PACKARD, Holgate, Ohio, assignor to Clarence E. Richholt and Charles Richholt, Holgate, Ohio, doing business as Richholt Bros. Filed May 29, 1922. Serial No. 564,392. 2 Claims. (Cl. 72—116.)



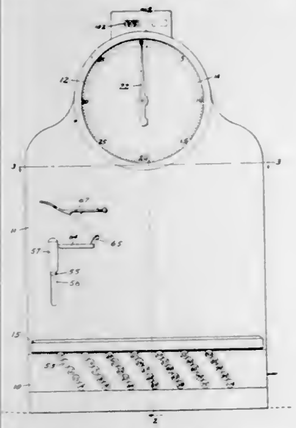
2. In a slab formed of a calcined slate clay and having channels and ridges and bevelled rear edges for keying stucco, plaster and the like to the slab, and having nail holes formed therein for securing the slab to a structure, and raised portions surrounding the nail holes on the side of the slabs opposite to the side having the channels and ridges.

1,466,806. METALLIC PACKING. FRANK E. PAYNE, Glencoe, Ill., assignor to Crane Packing Company, Chicago, Ill., a Corporation of Illinois. Filed Jan. 26, 1920. Serial No. 354,146. 5 Claims. (Cl. 154—45.5.)



1. A metallic packing comprising a helical roll of metal foil and a reinforcing covering of braided wire.

1,466,807. COMPUTING ATTACHMENT FOR SCALES. MCKINNEY PHELPS, Redlands, Calif. Filed Aug. 31, 1921. Serial No. 497,313. 21 Claims. (Cl. 235—58.)

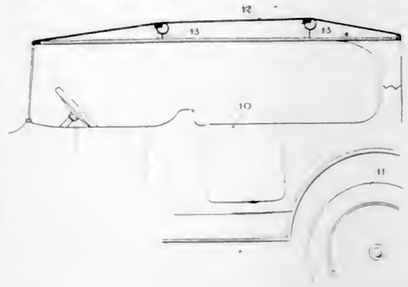


1. In a computing scale, a platform adapted to receive the articles to be weighed, a dial bearing a graduated scale, a pointer arranged for operation adjacent to said graduated scale, a connecting rod adapted to be depressed proportionately to the downward movement of the scale platform for operating said pointer, and manually operable means for clamping said pointer actuating member when the same has been moved downward by said scale platform.

3. In a computing scale, a platform adapted to receive the goods to be weighed, means actuated by the downward movement of said platform for indicating the weight of goods placed on said platform, means comprising a stop on a rod connecting said platform and said indicator for calculating the total cost of the articles placed on the scale platform, key actuated means for controlling the operation of said calculating means, and means within the machine and under control of the calculating means for printing the total amount of each transaction upon a slip and delivering the same to the exterior of the housing of the machine.

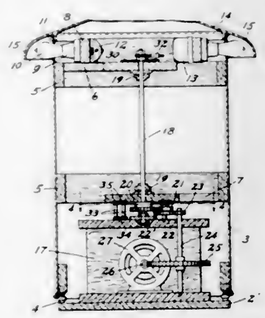
7. In a computing scale, a platform that is adapted to receive the articles to be weighed, means actuated by said platform for indicating the weight of articles placed thereon, means for calculating the total cost price of each article placed on the scale platform, which means includes a rotatably mounted disc provided in its upper face with a plurality of sets of slots, a series of pivotally mounted arms arranged above each set of slots, said arms having depending portions that are adapted to enter said slots, manually operable means for rotating said disc, and means controlled by the weight of an article placed on the scale platform for controlling the rotary motion imparted to said disc.

1,466,808. BOW PROTECTOR FOR AUTOMOBILE TOPS. THOMAS HANNIBAL MURPHY, LOUIS SPRING ISBELL, and ELMER WARREN SAWYER, North Anson, Me. Filed Nov. 19, 1921. Serial No. 516,497. 1 Claim. (Cl. 296—118.)



A protector of the character described, comprising an elongated casing having flexible walls and having extending longitudinally thereof its entire length an indentation adapted to permit the casing to be fitted upon the lower side of the bridge portion of a bow for vehicle tops, means whereby the casing may be secured to the bow, and means whereby the casing may be inflated.

1,466,809. AUTOMATIC TRAFFIC SIGNAL. LOLA STRONG, Long Beach, Calif. Filed Nov. 16, 1920. Serial No. 424,467. 1 Claim. (Cl. 177—339.)

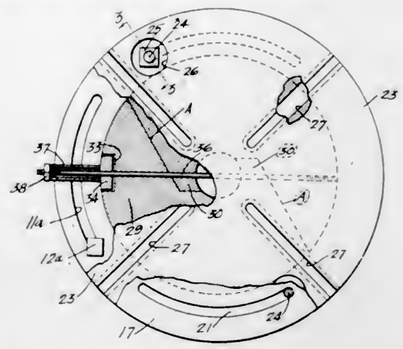


A revolving sign comprising a base, a shell rotatably mounted on the base, frames secured within the shell, a shaft journaled in the frames, lamps associated with the shell, contact rings secured to one of the frames, contacts engageable with the rings and cooperating with the latter to supply current to said lamps, contact segments carried by the other frame, a contact arm fixed to said shaft and adapted to engage said segments, a signal to which current is adapted to be supplied through the medium of said contact arm and segments, and means for intermittently rotating said shell.

1,466,810. COMBINATION ANGLE TABLE. BENNY M. SWANSON, Los Angeles, Calif. Filed June 20, 1921. Serial No. 478,969. 8 Claims. (Cl. 90—58.)

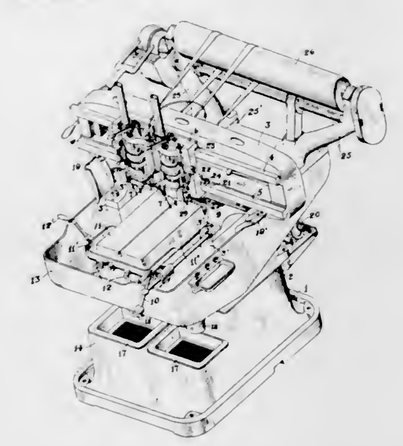
1. An angular adjustable work supporting table comprising a relatively stationary base having an inclined upper surface, an upper member carrying a slotted work receiving surface and having an inclined lower face, means on said work receiving surface for engaging and clamping work positioned thereupon, an intermediate

member mounted for rotation between said base and upper member, said intermediate member having inclined



upper and lower faces, and said intermediate member and said base and upper member having interengaging parts.

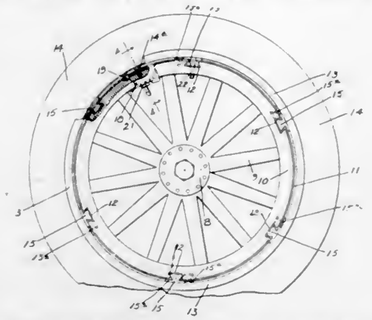
1,466,811. PROFILING MACHINE. JOHN J. THACHER, Wethersfield, Conn., assignor to Pratt & Whitney Company, New York, N. Y., a Corporation of New Jersey. Filed Jan. 9, 1920. Serial No. 350,424. 21 Claims. (Cl. 90—11.)



1. In a metal working machine of the class described, the combination of a base, a tool support, a work table adjacent thereto, a chip and oil basin beneath and extending outside of the work table, a reservoir in the base, and an oil-draining chip pan beneath and spaced from the basin, an opening to the outside being formed at such space to afford access to the oil-draining pan, the basin having a chip and oil channel leading to the oil-draining pan and the oil-draining pan being adapted to drain into the reservoir.

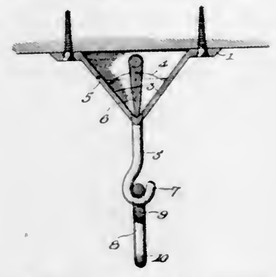
1,466,812. DEMOUNTABLE WHEEL RIM. JOHN WENTZ, Perham, Minn., assignor of one-half to Michael J. Gans and one-fourth to P. F. Vogel, both of Perham, Minn. Filed Apr. 21, 1921. Serial No. 463,222. 2 Claims. (Cl. 301—17.)

1. The combination with a wheel, of a demountable rim, the wheel felly having a lateral entrance passage for the valve stem of a tire applied to said rim, and a channel-shaped bridge bar pivotally connected to the



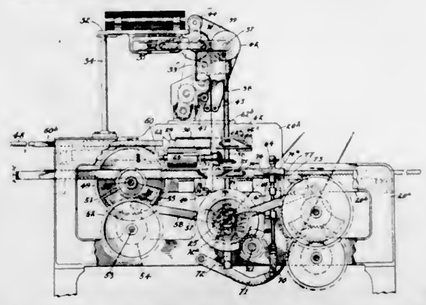
wheel felly and arranged to embrace the inner and outer surfaces of said felly and extend across the gap formed by said entrance passage.

1,466,813. HANGER FOR PORCH SWINGS. JOHN A. WERNER, Altoona, Pa. Filed Oct. 28, 1921. Serial No. 511,062. 2 Claims. (Cl. 248—24.)



1. A ceiling plate comprising a depending V-shaped trough, a U-shaped member straddling said trough, a knife edge bearing plate carried by the bow portion of the U-shaped member and resting loosely on the bottom of the trough, the free ends of the U-shaped member forming hooks, a plate having eyes adapted to engage said hooks, and a central depending hook member carried by said plate, said last mentioned hook member being in alignment with the knife edge bearing plate.

1,466,814. WRAPPING MACHINE. HILARIO DE ESCOBALES, Staten Island, N. Y., assignor to H. Escobales Co., Inc., New York, N. Y., a Corporation of New York. Filed Oct. 11, 1918. Serial No. 257,708. 21 Claims. (Cl. 93—2.)



14. In a wrapping machine, wrapper delivery mechanism operative to position an adhesively prepared wrap-

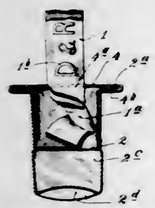
per blank in the path of a packet to be wrapped, means for conveying the assembled packet and wrapper along the predetermined path, and stationary elements adjacent said path for folding the wrapper about four consecutive faces of the packet, folding projecting marginal wrapper portions against the remaining packet faces to produce wing flaps, and folding said wing flaps flatwise against the said remaining faces of the packet.

1,466,815. SEAL. JOHN L. DINSMOOR, Brooklyn, N. Y., assignor to Anchor Cap and Closure Corporation, Long Island City, N. Y., a Corporation of New York. Filed June 10, 1921. Serial No. 476,389. 14 Claims. (Cl. 292—317.)



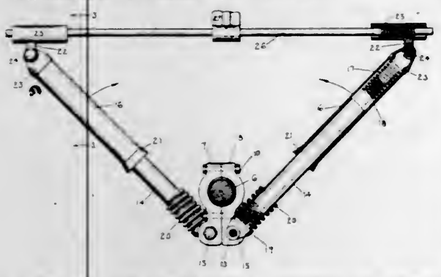
1. A seal comprising a hollow housing, said housing having an inlet opening and an outlet opening, a shackle, and means within said housing to guide the ends of the shackle from said inlet opening to said outlet opening, said means being so constructed as to entangle the ends of the shackle when the said shackle is twisted within the said housing.

1,466,816. SEAL. JOHN L. DINSMOOR, Brooklyn, N. Y., assignor to Anchor Cap and Closure Corporation, Long Island City, N. Y., a Corporation of New York. Filed June 10, 1921. Serial No. 476,390. 9 Claims. (Cl. 292—317.)



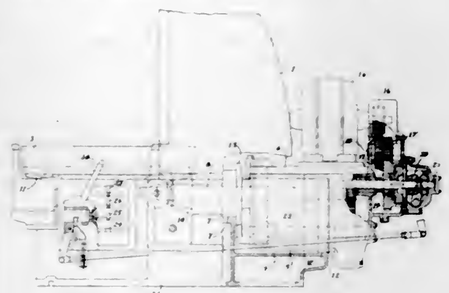
1. A seal comprising a ductile shackle and a keeper, the latter including relatively rotatable members arranged to enclose end parts of the shackle and having portions arranged to engage parts of the shackle to cause it to be twisted upon relative rotation of said members, one of said portions affording means of permanent attachment to the shackle and another of said portions affording a temporary attachment to the shackle, which is automatically disengaged upon twisting thereof.

1,466,817. VEHICLE SPRING. HENRY DIXON, Collingwood, Ontario, Canada. Filed Apr. 7, 1922. Serial No. 550,414. 2 Claims. (Cl. 267—60.)



2. The hereindescribed device comprising a pair of tubular housings each composed of telescopic members, means to which said housings are bingedly connected, two springs within each of said housings, one of which is of greater length than the other, the longer spring continually exerting its force against said members, and the shorter spring exerting its force against said members when the longer spring is compressed to an extent equal to or greater than the difference of their respective lengths, internally threaded sleeves pivotally connected to said housings in axial alignment, a screw-threaded rod adjustable through said sleeves for increasing or decreasing the angle of convergence of said housings at will and thereby regulating the initial pressure exerted by said springs against the weight of the load, and buffer springs exterior to said housings and exerting their force against said members when the first mentioned springs are compressed.

1,466,818. BORING MILL. ALFRED W. DRAESEKE and ALBERT W. PARKES, Dundas, Ontario, Canada, assignors to Niles-Bement-Pond Company, New York, N. Y., a Corporation of New Jersey. Filed May 15, 1920. Serial No. 381,609. 15 Claims. (Cl. 77—4.)



1. In a boring mill, the combination of a base, a rotatable work table thereon, mechanism for driving the table comprising a driver, change speed gearing and a table drive shaft adapted to be driven by the driver, a cradle having a transversely circularly curved exterior and having the change speed gearing mounted longitudinally therein, the said cradle being mounted in and supported by a complemental transversely curved cut-out portion of the base, and means engaging the edges of the cradle for securing the same in the base.

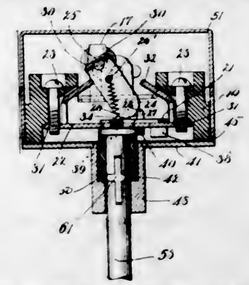
1,466,819. MANUFACTURE OF PLASTIC MASSES. HENRY DREYFUS, London, England. Filed Nov. 2, 1920. Serial No. 421,238. 2 Claims. (Cl. 106—40.)

1. Process for the manufacture of plastic masses comprising cellulose acetate and a plasticiser which comprises mixing the materials in the presence of such an excessive quantity of volatile diluent having characteristics as hereinbefore indicated, that during the mixing operation, the plasticiser is present in so dilute a state that its solvent action on the cellulose acetate is restrained and the mass can be easily mixed until homogeneously incorporated with the plasticiser and volatile diluent, whereafter the volatile diluent is evaporated, and in proportion as this proceeds the solvent action of the high boiling solvent on the cellulose acetate increases, so that said acetate is progressively dissolved and plasticised, substantially as described.

1,466,820. SNAP SWITCH. CLIFFORD R. DUMBLE, Arlington, Mass., assignor, by mesne assignments, to The Lamson Company, Boston, Mass., a Corporation of Massachusetts. Filed June 8, 1921. Serial No. 475,987. 26 Claims. (Cl. 200—67.)

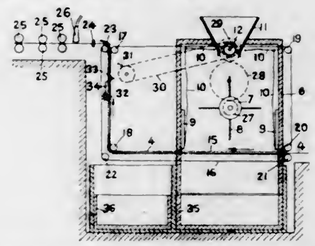
1. Switch mechanism of the class described comprising a pair of oppositely disposed terminals, a V-shaped oscillatable arm, having a slot in its closed end,

a contact bar removably secured in said slot, and means for imparting oscillatory movement to the arm whereby



simultaneously to move the opposite ends of said bar into or out of contact with the respective terminals.

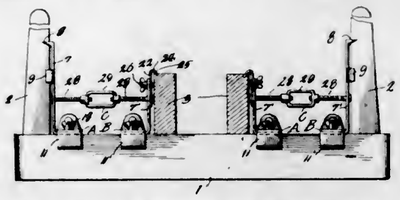
1,466,821. APPARATUS FOR BESTREWING OR COATING ARTICLES OF MANUFACTURE WITH BRONZE OR OTHER PULVERULENT COLORS. CARL ECKERT, Berlin-Neukolln, Germany. Filed Apr. 17, 1922. Serial No. 554,018. 9 Claims. (Cl. 91—59.)



1. An apparatus for bestrewing or coating articles of manufacture with bronze or other pulverulent colors, comprising in combination a closed casing having oppositely located lateral apertures; a supply roller at the top of the casing; a distributing member within said casing below the supply roller; flexible sheets arranged at the inner walls of the casing opposite to the distributing roller; and means for making the article to be bestrewed or coated pass through said apertures into and out of the casing.

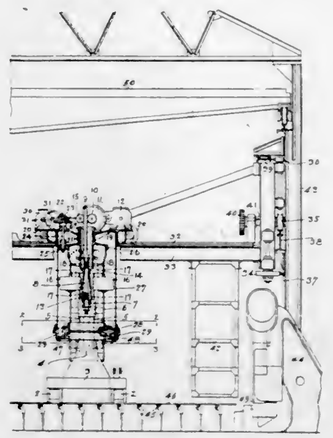
4. An apparatus for bestrewing or coating articles of manufacture with bronze or other pulverulent colors, comprising, in combination: a closed casing having oppositely located lateral apertures; a supply roller at the top of the casing; a hub within said casing below the supply roller, and distributing wings attached to said hub; flexible sheets arranged at the inner walls of the casing opposite to the distributing wings; and means for making the articles to be bestrewed or coated pass through said apertures into and out of the casing.

1,466,822. HAYRACK-SILL ADJUSTER. ELMER ENGER, Peno, S. Dak. Filed Apr. 3, 1923. Serial No. 629,647. 5 Claims. (Cl. 296—9.)



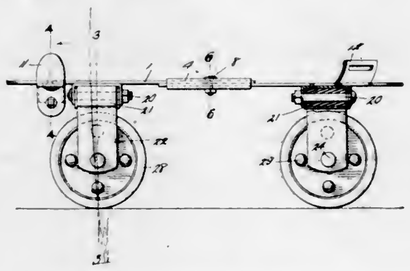
1. An appliance of the class described including a pair of clamps, a pair of bars, one rising from each clamp, engaging means on the bars, and adjustable bracing means disposed between the bars in the manner and for the purpose specified.

1,466,823. MAGNET MANIPULATOR. HENRY S. EVANS and GUSTAF L. FISK, Harrisburg, Pa. Filed July 21, 1921. Serial No. 486,633. 3 Claims. (Cl. 212—11.)



1. In a machine for handling magnetizable materials, the combination of a vertically movable member, means for raising and lowering same, a magnet carried by said member, a rotary member engaged by said vertically movable member, means for rotating said rotary member, a frame surrounding said rotary member, a brake band carried by said rotary member, and means for forcing said brake band into engagement with said surrounding frame.

1,466,824. ROLLER SKATE. THEODORE FEDUN, Detroit, Mich. Filed Jan. 14, 1922. Serial No. 529,232. 2 Claims. (Cl. 46—51.)



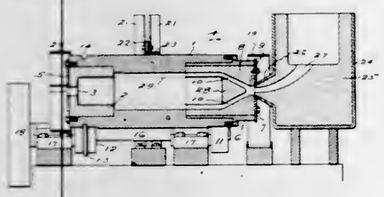
2. A roller skate comprising a skate plate consisting of a pair of relatively movable sections, each having a slotted extension, the extensions being adapted to lie in overlapping relationship with the slots thereof in alignment, a sleeve embracing the overlapping ends of the extension and consisting of a blank having a central square opening and being adapted to be folded whereby notched opposite edges of the blank are arranged contiguous to form a circular opening with the notches, a bolt extended through the openings in the sleeve and the slot in the extensions of the skate plate sections, and said bolt having a square portion to fit the square opening in the sleeve.

1,466,825. ENGINEER'S STETHOSCOPE. RICHARD BATCHELOR FOORD, Eltham, Taranaki, New Zealand, assignor to Cyril Louis Wilson, Eltham, Taranaki, New Zealand. Filed Sept. 21, 1920. Serial No. 411,756. 2 Claims. (Cl. 181—24.)



1. An engineer's stethoscope comprising a divided cylindrical hollow casing, each half being provided with an upwardly turned tapering end forming a sound duct, a vibratory diaphragm secured to and supported by an annular ledge, provided at the inner end of one casing half, a bell-crank lever pivoted to one casing half, and having its longer arm attached to the said diaphragm at the center thereof, a sounding post pivotally connected to the shorter arm of the said bell-crank lever, and a foot piece connected to the end of the said sounding post by means of a universal joint.

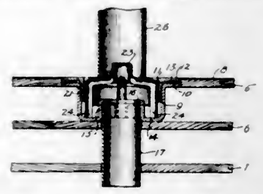
1,466,826. CENTRIFUGAL MOLD. WILLIAM A. GORDON, Shelton, Conn., assignor to Birmingham Iron Foundry, Derby, Conn., a Corporation of Connecticut. Filed Aug. 31, 1922. Serial No. 585,393. 3 Claims. (Cl. 22—65.)



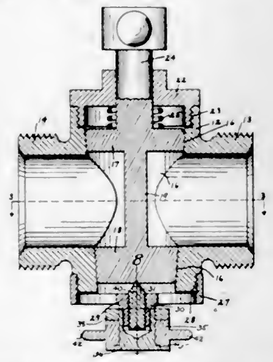
1. A centrifugal casting apparatus comprising a rotatable but longitudinally fixed cylindrical mold, means for rotating the mold, and means for feeding molten metal to the axis of the mold, said mold having a rotatable intake that extends obliquely outward in opposite directions from the axis to the inner wall of the molding chamber, whereby the molten metal is caused to whirl by being carried in said oblique intake at the same rate of speed as the rotating inner wall of the mold when it reaches the mold chamber.

1,466,827. REFRIGERATOR TRAP. HERBERT J. GWYER, New York, N. Y. Filed Aug. 5, 1921. Serial No. 489,930. 4 Claims. (Cl. 182—21.)

1. In a trap, a bowl having an outlet opening therein communicating with the interior of the bowl at a point above the bottom thereof, a sealing bell in said bowl and extending over said outlet opening, said bell being supported from the bottom of said bowl and having a passage for liquid, said bell being provided at the side with alternate projecting and depressed portions for spacing the bell and bowl apart and permitting a flow of liquid therebetween, and a knob on the upper side of said bell to position the lower end of a refrigerator drip pipe in a lateral direction, said bell being provided with alternate projecting and depressed portions along the top for spacing the lower end of a drip pipe and permitting a flow of liquid.



1,466,828. SHUT-OFF COCK. GEORGE C. HANLEY, Malden, Mass. Filed May 2, 1921. Serial No. 465,985. 5 Claims. (Cl. 251—97.)



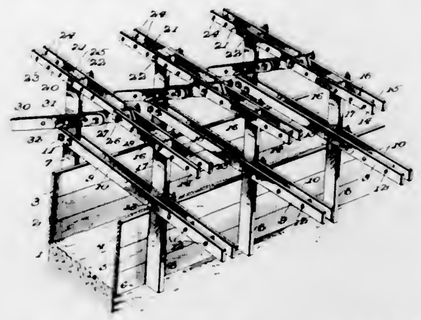
1. A shut-off cock comprising a casing having a conical internal valve-seat, alined inlet and outlet conduits intersecting the valve-seat, a head detachably secured to the casing at the larger end of the valve-seat, an abutment adjustably secured to the casing at the smaller end of the valve-seat, the abutment being adjustable lengthwise of the valve-seat, a conical plug valve fitted to turn in said seat, and formed to connect said inlet and outlet conduits when opened, the smaller end of the valve being arranged to contact with said abutment, and a spring interposed between said head and the larger end of the valve, and adapted to yieldingly press the valve endwise against the seat, and toward the abutment, the casing having a clean-out opening at the smaller end of the valve-seat, and the abutment being formed to permit the passage of liquid through said opening when the valve is removed.

1,466,829. IGNITION SYSTEM. WILLIAM W. HAWKINS, New York, N. Y., assignor to H. & H. Ignition Corporation, New York, N. Y., a Corporation of New York. Filed June 26, 1916. Serial No. 105,838. 11 Claims. (Cl. 123—148.)



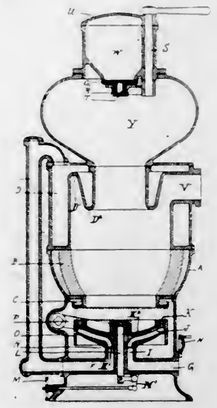
1. In an ignition system, an interrupter comprising an adjustable contact point, a movable arm carrying a contact point, a rotating shaft and cam for operating said arm, and a base plate to which said arm is attached, said base plate being adjustable to synchronize said interrupter with the current impulses flowing therethrough, and independent means for adjusting said interrupter with reference to said shaft.

1,466,830. FORM FOR CONCRETE CONSTRUCTION. CHARLES W. HAYWARD, Santa Barbara, Calif. Filed Oct. 28, 1922. Serial No. 597,607. 5 Claims. (Cl. 25—131.)



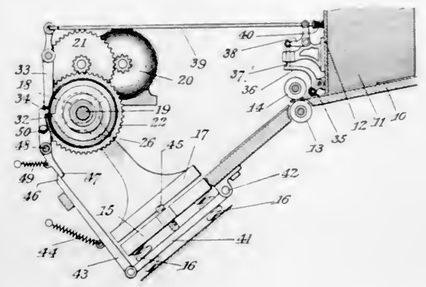
5. In a device of the class described comprising a leg, a movable leg spaced from the first leg, means connecting said legs intermediate their ends and providing a pivotal mounting for the movable leg, links pivotally connected to the upper end of the legs, a locking member having pivotal connections at one end with the free ends of the links, an operating lever pivotally mounted on the first mentioned leg with one of its free ends pivoted to the locking member intermediate its ends, the first mentioned leg being provided with a notch adapted to be engaged by the free end of the locking member for locking the legs in parallel relation, operation of the lever being adapted to lift the locking member out of engagement with the notch and swing the free end of the movable leg out of parallel relation with the first mentioned leg.

1,466,831. GAS GENERATOR. HENRI HERNU, Meudon, France. Filed July 2, 1920. Serial No. 393,674. 3 Claims. (Cl. 48—67.) (Granted under the provisions of the act of Mar. 3, 1921, 41 Stat. L., 1313.)



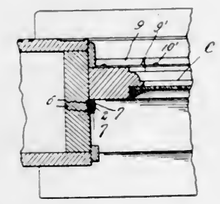
3. In a gas generator divided into a furnace zone, a reaction zone, and a vaporizing zone, a furnace, a dished firegrate therein, and a vertically displaceable guard surrounding the grate to retain the fuel.

1,466,832. CLUTCH MECHANISM. JOSEPH HREN, Rosendale, N. Y., and CARL EISENLOHR, Newark, N. J. Filed May 22, 1920. Serial No. 383,556. 5 Claims. (Cl. 192—126.)



3. In a stop mechanism for a machine having a magazine and a presser table, a clutch, a no feed trip device positioned at the mouth of the magazine, a multiple sheet trip device on the presser table and means operated by said trip devices to engage the clutch to stop the machine as described.

1,466,833. COMBINED PARTING AND WEATHER STRIP FOR SLIDING SASHES. ROBERT E. HULSE, Wall Lake, Iowa. Filed Nov. 17, 1922. Serial No. 601,665. 1 Claim. (Cl. 20—524.)

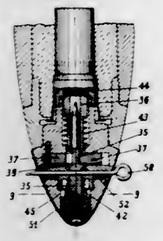


In an article of the class described, a metal strip adapted to be disposed upon sides of a window frame, and between the upper and lower sliding sashes therein, the said metal strips being of substantially T-shape including a head and central web portion, the web portion having oppositely extending legs thereon extending parallel with the head of the strip, a strip of wadding between each leg and the adjacent side of the head, and means for retaining the said strips therebetween.

1,466,834. DROP PROJECTILE AND FUSE FOR SAME. HEINRICH JACOB, Friedenau, Germany, assignor to the Firm of Optische Anstalt C. P. Goerz Aktiengesellschaft, Friedenau, near Berlin, Germany. Filed Aug. 30, 1921. Serial No. 496,957. 12 Claims. (Cl. 102—39.) (Granted under the provisions of the act of Mar. 3, 1921, 41 Stat. L., 1313.)

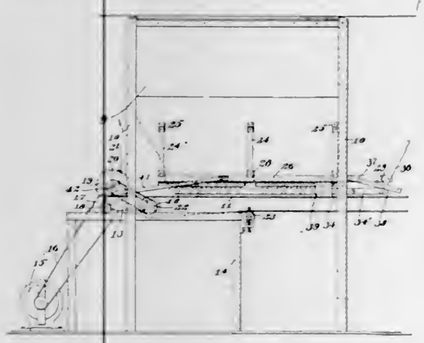
8. In a drop projectile a fuse forming the point of the projectile comprising two strikers slidably mounted within the fuse one of them penetrating the point of the projectile, a centrifugally actuated safety device adapted to keep the two strikers out of operative contact with each other so as to set the fuse at safety, and an adjusting ring forming a movable intermediate portion of the outer surface of the fuse closely adjoining the exterior surface of the striker penetrating the point of the fuse, said adjusting ring and the last named striker being each provided with cooperating projections and recesses inside the fuse, the adjustment of said ring allowing to bring

either its projections or its recesses in line with the projections of the striker so as to either lock the striker in



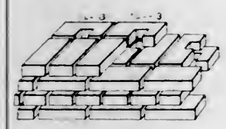
position or to allow it to advance towards the second striker on impact provided release of the centrifugal device.

1,466,835. ADJUSTABLE FEEDER. CHESTER S. JENNINGS, Wellesley Farms, Mass., assignor to The Lamson Company, Boston, Mass., a Corporation of Massachusetts. Filed Aug. 21, 1920. Serial No. 405,156. 10 Claims. (Cl. 83—44.)



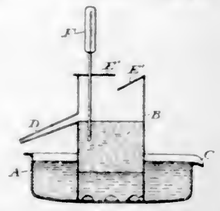
1. In combination with a hopper having a downwardly directed discharge opening, a horizontally reciprocable frame arranged below said opening, a series of substantially parallel spaced bars pivotally mounted in the frame, means for turning said bars about their respective pivotal axes, and means also mounted upon the frame for retaining said bars in the position to which they may be turned.

1,466,836. BUILDING BLOCK. SIGEYUKI KANAMORI, Tokyo, Japan. Filed Oct. 20, 1921. Serial No. 508,998. 2 Claims. (Cl. 72—40.)



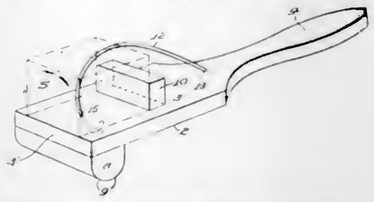
1. In a wall structure, in combination, vertically disposed anchoring rods extending throughout the height of a wall structure, a plurality of blocks each of which includes a body of a rectangular shape and of a length double its width, the surface of the block being marked to define eight equal subdivisions, one of the subdivisions on the inner edge of the block having a recess provided therein receiving and coacting with one of the anchoring rods, whereby a wall may be constructed of various methods of brick laying irrespective of the position of the rods.

1,466,837. TIN SPONGE ARTICLE OF MANUFACTURE AND METHOD OF PRODUCING AND UTILIZING THE SAME. EMANUEL KARDOS, Newark, N. J., assignor to Metal & Thermit Corporation, Chrome, N. J., a Corporation of New Jersey. Filed Dec. 27, 1919. Serial No. 347,753. 8 Claims. (Cl. 75—17.)



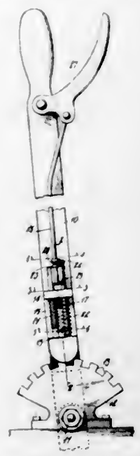
1. The method of protecting tin sponge which comprises coating the same with chloride of zinc.

1,466,838. HOUSEHOLD IMPLEMENT. ELIZABETH J. KENNEDY, Philadelphia, Pa. Filed Jan. 25, 1923. Serial No. 615,420. 3 Claims. (Cl. 68—8.)



1. A device of the class described, comprising a body, a handle extending from one end thereof, a stop projecting substantially normal to a face of the body between the handle and the other end thereof, and flexible means extending from the body at a point between said other end and the adjacent side of the stop adapted to be inserted in a cake of soap.

1,466,839. LEVER ADJUSTMENT. ANTON KLEE, Jr., Fountain City, Wis. Filed Mar. 1, 1921. Serial No. 448,911. 5 Claims. (Cl. 74—39.)



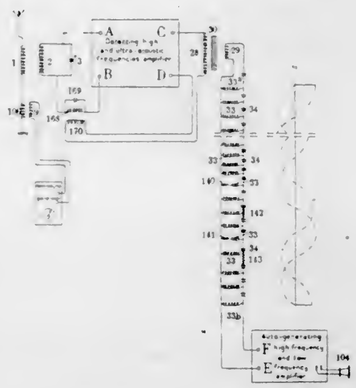
1. A lever attachment including a guide, spring-pressed latch members mounted in said guide for individual sliding movement therein, said latch members relatively overlapping at adjacent ends, and a lifting member movable thru said overlapping ends and having separate abutments with each for moving the said latch members alternately.

1,466,840. PACKING JAR OR THE LIKE. PETER KUCERA, Connellsville, Pa., assignor to Capstan Glass Company, Connellsville, Pa., a Corporation of Delaware. Filed June 15, 1921. Serial No. 477,649. 13 Claims. (Cl. 215—1.)



1. As an article of manufacture, a container having a body portion of noncylindrical contour and a label area on said body portion with the surface thereof being substantially cylindrical, and on the same circumference as the non-cylindrical portion.

1,466,841. ANTIPARASITIC SELECTING SYSTEM. LUCIEN LEVY, Paris, France. Filed Aug. 7, 1920. Serial No. 401,948. 10 Claims. (Cl. 255—20.)



1. A method for antiparasitic reception of sustained waves comprising the following operations: Propagating locally the sustained oscillating energy and the damped oscillating energy derived respectively from sustained waves and damped waves; producing stationary waves with the sustained waves and free waves with the damped waves; absorbing the potential or the kinetic energy of the damped waves without absorbing the energy of the sustained waves, by means of the different localization of these energies in the case of free waves and stationary waves; utilizing the energies after propagation to control the indicating apparatus.

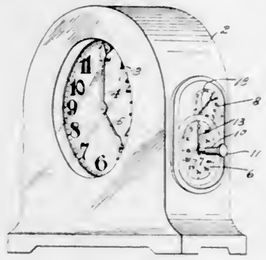
1,466,842. TIMING DEVICE. PAUL S. LUTTRELL and PAUL C. ROSKE, Oakland, Calif. Filed Mar. 21, 1921. Serial No. 453,924. 19 Claims. (Cl. 58—16.)

1. In a timing device, an alarm mechanism and its spring actuated driving mechanism, an indicator, at the front of the device and a spring actuated driving mechanism therefor, a pair of concentric shafts, one of which is connected to the alarm mechanism and the other of which is connected to the indicator driving mechanism, a key at the rear of the device for turning the alarm mechanism shaft, and means connected to the



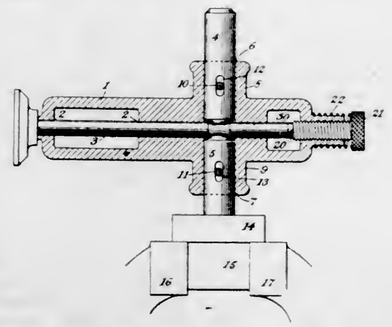
key and operative after a complete revolution of the alarm mechanism shaft, for securing said shafts together.

1,466,843. ALARM CLOCK. PAUL S. LUTTRELL and PAUL C. ROSKE, Oakland, Calif., assignors to American Clock Corporation, Oakland, Calif., a Corporation of California. Filed July 18, 1921. Serial No. 485,423. 9 Claims. (Cl. 58—16.)



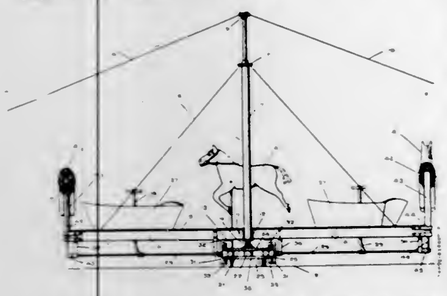
1. An alarm clock provided with a front hour and minute dial and respective hands for hour and minute indication in combination with a clock works; and an alarm mechanism with synchronous hour and minute pointers, and a pair of alarm dials separate from the said front dial for the hour and minute alarm setting pointers.

1,466,844. VALVE-STEM LENGTHENER. JOHN J. MCGUCKIN, Brooklyn, N. Y., assignor to Louis Schwab, New York, N. Y., doing business as Stevens & Company. Filed May 6, 1922. Serial No. 559,031. 7 Claims. (Cl. 78—60.)



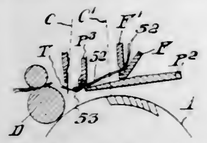
1. In a valve stem lengthener, the combination of an anvil, a body carried reciprocably thereby and provided with a valve stem supporting portion, and a cooperating hammer element.

1,466,845. MERRY-GO-ROUND. ERASTUS M. MAXWELL, Cardinal, Va. Filed Nov. 3, 1922. Serial No. 598,801. 3 Claims. (Cl. 46—27.)



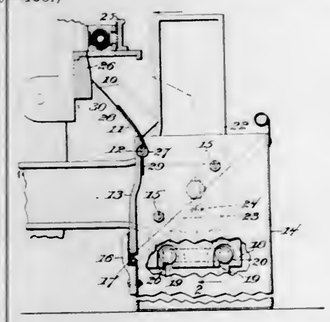
1. A merry-go-round comprising a turntable, means having sets of ratchet teeth, a rock shaft carried by the turn-table, a double arm secured to the shaft, pawls carried by said double arm and engaging the ratchet teeth, and means for oscillating said shaft.

1,466,846. COMBING MACHINE. JOHN WILLIAM NASMITH, Manchester, England. Filed Mar. 30, 1922. Serial No. 548,209. 3 Claims. (Cl. 19—120.)



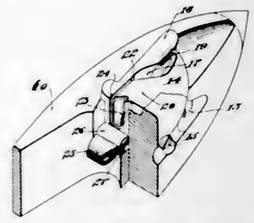
1. In a combing machine of the Nasmith type the use of feed apparatus designed to draw away from the top comb and into the nipper a short length of the previously fed material as the nipper commences to recede from the detaching roller as the detaching process is completed and before the nipper closes on the material to hold it whilst the cylinder combs the projecting tuft.

1,466,847. FEELER LOOM. JONAS NORTHROP, Hopedale, Mass., assignor to Hopedale Manufacturing Company, Milford, Mass., a Corporation of Massachusetts. Filed July 3, 1919. Serial No. 308,385. 1 Claim. (Cl. 139—155.)



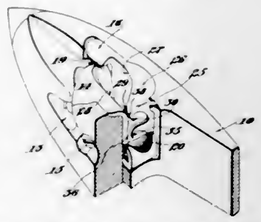
A loom having, in combination, a bobbin receptacle provided with a cutaway portion, a bracket fitting into the cutaway portion and serving as a continuation of the receptacle to form with the receptacle a substantially rectangular body, a bobbin chute yieldingly mounted upon the bracket, and arms engaging with the bracket and adapted to be adjustably connected with the frame of the loom to maintain the bobbin chute in a definite operative position with relation to the loom.

1,466,848. SELF-THREADING SHUTTLE. JONAS NORTHROP, Hopedale, Mass., assignor to Hopedale Manufacturing Company, Milford, Mass., a Corporation of Massachusetts. Filed Aug. 11, 1919. Serial No. 316,546. 6 Claims. (Cl. 139—223.)



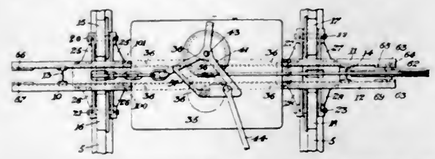
6. A thread block for self-threading shuttles having, in combination, a longitudinal thread passage, means for guiding the thread to the delivery eye of the shuttle, and a scroll within the thread passage having its outer edge inclined outwardly to retain the thread thereon to enable the scroll to function as a leader.

1,466,849. SELF-THREADING SHUTTLE. JONAS NORTHROP, Hopedale, Mass., assignor to Hopedale Manufacturing Company, Milford, Mass., a Corporation of Massachusetts. Filed Aug. 11, 1919. Serial No. 316,547. 6 Claims. (Cl. 135—223.)



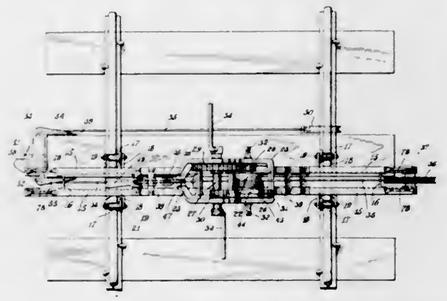
3. A thread block for self-threading shuttles having, in combination, a longitudinal thread passage, means for guiding the thread to the delivery eye of the shuttle, means for maintaining the thread within the thread passage during normal operaion of the shuttle, and a positioning device extended transversely of the inner end of the thread passage and adapted to engage the new filling thread upon the first rearward beat of the lay after replenishment in a manner to insure engagement of the thread by the said guiding means upon the first pick of the shuttle.

1,466,850. RAILROAD-TIE-CHANGING MACHINE. NEWTON C. OWEN, Wilkes-Barre, Pa., assignor to Owen-Pennsylvania Corporation, Wilkes-Barre, Pa., a Corporation of Pennsylvania. Filed Mar. 24, 1921. Serial No. 455,073. 35 Claims. (Cl. 104—9.)



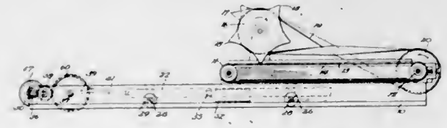
1. A device for removing railroad ties including supporting means adapted to be mounted upon the rails of a railroad and means including power transmission means carried by said first mentioned means for removing a tie from beneath said rail, said power transmission means having a self-adjusting mounting on the supporting means.

1,466,851. RAILROAD-TIE-CHANGING MACHINE. NEWTON C. OWEN, Wilkes-Barre, Pa., assignor to Owen-Pennsylvania Corporation, Wilkes-Barre, Pa., a Corporation of Pennsylvania. Filed Aug. 22, 1922. Serial No. 583,494. 47 Claims. (Cl. 104—9.)



1. In a repair device for railroads, the combination with a frame having wheels for supporting the same transversely on the rails of a railroad, a sheave journaled at one end of the frame, a power device supported on the frame and having a flexible connection for passage over the sheave, a rigid thrust shoulder dependent from the frame in position to engage the side of one of the rails of the railroad to carry the lateral thrust exerted by the frame due to the tensioning of the flexible connection over the sheave, and anchorage means for the power device for connection with the opposite side of the same rail engaged by the thrust shoulder and whereby transverse movement of the repair device with respect to the rail is automatically limited in both directions.

1,466,852. SAUSAGE-LINKING MACHINE. GEORGE K. PAPPAZOGLIDIS, Chicago, Ill. Filed Apr. 13, 1923. Serial No. 631,748. 16 Claims. (Cl. 17—34.)



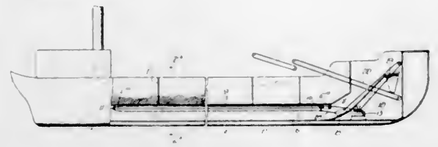
1. A machine of the character described embodying means for feeding the filled casing, means for dividing the material in the casing at spaced intervals to form connected links, and means for twisting the portions of the casing intermediate the links, the last recited means embodying mechanism including continuous work engaging surfaces extending in directions transverse to the direction of feeding movement of the link, for alternately twisting the links in opposite directions.

1,466,853. SHIPPING BOX OR CASE. MICHAEL WILLIAM QUIRK, Milwaukee, Wis. Filed Mar. 27, 1922. Serial No. 547,152. 4 Claims. (Cl. 217—20.)



1. In a shipping box or case, a body, the bottom edge of said body being formed with recesses, reinforcing strips disposed in said recesses and secured to said body and supporting rods extending across the bottom of said body and having their ends secured in said reinforcing strips.

1,466,854. SUBCARGO-UNLOADING APPARATUS FOR SHIPS. LEATHEM D. SMITH, Sturgeon Bay, Wis. Filed Feb. 14, 1923. Serial No. 618,885. 3 Claims. (Cl. 214—12.)



1. In combination with a cargo vessel and its cargo supporting bottom, a conveyor tunnel spaced above said bottom and freely admitting cargo material beneath it except in the upper portion of the tunnel, and leaving the bottom free from obstruction beneath the tunnel and thereby adding the lower portion of the tunnel space to the normal carrying capacity of the vessel; conveying means being provided in the upper portion of the tunnel for attacking the cargo material from above.

1,466,855. FILLING-FEELER MECHANISM FOR LOOMS. ISAAC SNOW, Lawrence, Mass., assignor to Hopedale Manufacturing Company, Milford, Mass., a Corporation of Massachusetts. Filed Nov. 1, 1919. Serial No. 334,948. 4 Claims. (Cl. 139—284.)

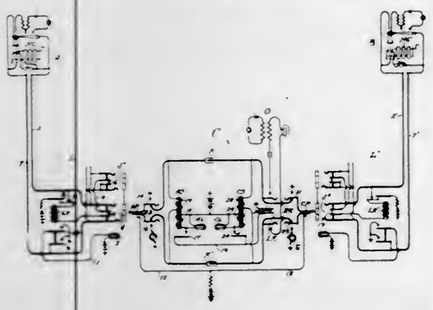


2. A loom having, in combination, a lay, a filling carrier and a filling feeler mechanism comprising a support, a feeler member slidably mounted thereon, a filling engaging nose rotatably mounted on the feeler member, a device carried by the feeler member cooperating with the filling engaging nose arranged to yieldingly hold one portion of the nose from reciprocatory movement with the feeler member as the latter is moved on the forward beat of the lay, to thereby cause rotation of the nose unless prevented by the filling in the filling carrier, and a lever arranged to be moved into operative position when the nose is so moved.

1,466,856. TELEPHONE SYSTEM. MICHAEL B. STAZAK, Chicago, Ill., assignor to Kellogg Switchboard and Supply Company, Chicago, Ill., a Corporation of Illinois. Filed July 15, 1920. Serial No. 396,345. 10 Claims. (Cl. 179—68.)

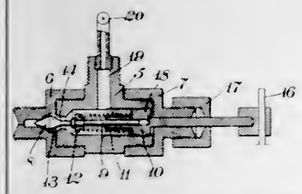
1. A lamp signal magneto telephone line circuit including a line relay, multiple jacks for said line, contacts for said jacks, said line relay initially energized

by alternating current over the two line limbs and said contacts of said jacks in series independent of any



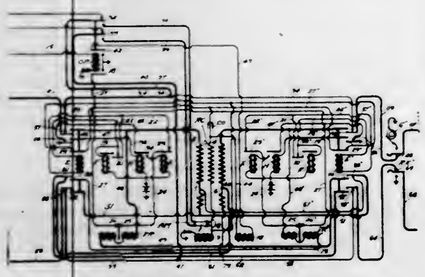
ground, and a locking circuit for said relay including a portion of one line limb only and said contacts.

1,466,857. SYSTEM OF LUBRICATING GAS ENGINES. EDWARD O. STERNS, Columbus, Ohio, assignor to The Sterns Gas Engine Lubricator Company, Columbus, Ohio, a Corporation of Ohio. Filed Sept. 13, 1921. Serial No. 500,365. 4 Claims. (Cl. 123—196.)



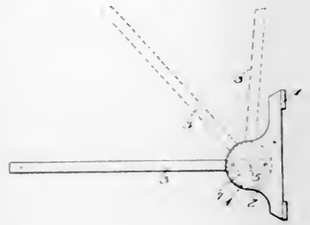
1. In a system of lubrication the combination with an internal explosive engine creating a vacuum by the piston displacement thereof, of a lubricant supply source, a conduit leading therefrom to the explosive chamber of said engine, and a valve located in said conduit, said valve being operable by said vacuum and adapted to control and regulate the supply of lubricant to said combustion chamber and permitting suction created by said vacuum to convey the lubricant to said combustion chamber.

1,466,858. TELEPHONE REPEATER. SAMUEL SUEKOFF, Chicago, Ill., assignor to Kellogg Switchboard and Supply Company, Chicago, Ill., a Corporation of Illinois. Filed May 16, 1919. Serial No. 297,468. 13 Claims. (Cl. 179—170.)



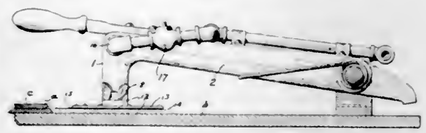
1. A system of the character described including a calling telephone and a called telephone, a circuit for connecting said telephones, a voice current relay and a repeater for said circuit, said repeater including an agitating member and an amplifying member, means controlled by said voice current relay for connecting said agitating member to the calling telephone and the amplifying member to the called telephone, a primary energizing circuit for said voice current relay including said calling telephone, and another circuit for said voice current relay for maintaining said relay energized independently of said primary energizing circuit during transmission of voice currents from said calling telephone.

1,466,859. ADJUSTING MECHANISM FOR CLOTHES-RACKS AND SIMILAR DEVICES. ERNEST D. SUTTON, Rochester, N. Y. Filed Jan. 3, 1922. Serial No. 526,644. 5 Claims. (Cl. 211—15.)



1. The combination with a support, of an adjustable device pivoted thereon, and means for retaining said device in different positions including a member fixedly mounted on one of said elements and having a curved toothed locking member arranged concentrically of said adjustable device, a locking member having a locking portion at its front end cooperating with said toothed portion, and a tail portion at its rear end, and means carried by said member and located opposite the toothed portion for engagement with said tail portion of the locking member so as to move the latter to releasing position as the device travels upwardly.

1,466,860. ARM FOR CREASING AND LIKE MACHINES. FREDERICK THOMAS, Philadelphia, Pa. Filed Oct. 26, 1922. Serial No. 596,943. 6 Claims. (Cl. 223—15.)

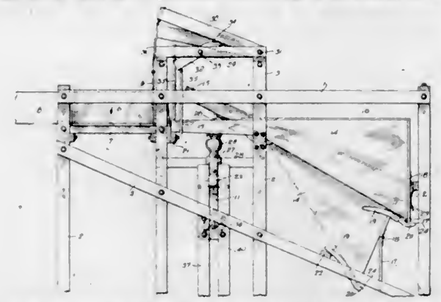


1. An arm for creasing and like machines comprising in combination a head arranged at the end of the arm and having a gasket recess and a projecting steam nozzle communicating with a steam channel provided in the head, a hollow die detachably connected with the head and having an opening to its interior adapted for the reception of the nozzle and having lateral steam discharge orifices arranged to discharge in the plane of the die and onto the edges of the fabric which the die is adapted to turn up, and a gasket in said recess around said nozzle.

1,466,861. WATER-POWER MOTOR. MERRITT ISAAC TUTTLE, Fromberg, Mont., and LEWIS L. HILL, Yellowstone Park, Wyo. Filed July 6, 1921. Serial No. 482,732. 9 Claims. (Cl. 253—19.)

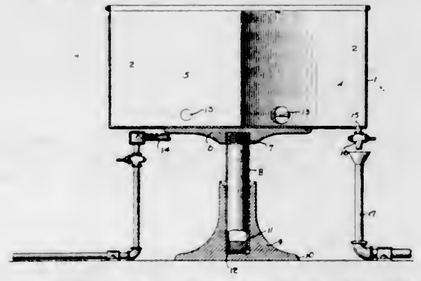
1. A water motor including a frame, a reservoir associated with the frame, a pair of trough-shaped balancing tanks journaled intermediate of their ends on a common axis to swing longitudinally of the frame, means whereby

the gravitational depression of one tank operates to move the other tank into position for filling, said means com-



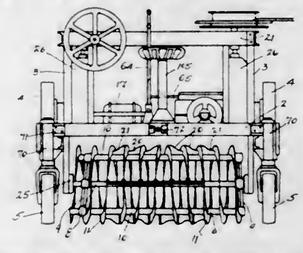
prising a rocking beam and links having ball and socket connections with the ends of the rocking beam and the bottoms of the tanks.

1,466,862. RINSE TUB. PHARES OBADIAH VANATTER, Athens, Ga. Filed Dec. 21, 1920. Serial No. 432,334. 2 Claims. (Cl. 68—31.)



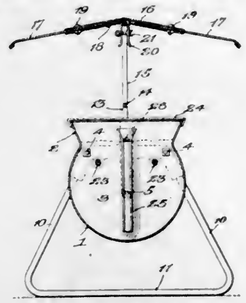
1. A revoluble tub provided with radial partitions extending to the center of the tub and dividing it into compartments, said partitions having ports therein permitting the contents of the compartments to communicate, and devices for opening and closing said ports, whereby the same liquid may be used in all of the compartments or a different liquid in each compartment.

1,466,863. SAND-CUTTING MACHINE. HOWARD L. WADSWORTH, Cleveland, Ohio. Filed Mar. 15, 1922. Serial No. 544,062. 5 Claims. (Cl. 259—144.)



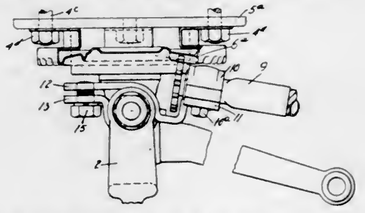
1. In mechanism of the character described, the combination of a frame, a plurality of wheels supporting the same, two of said wheels being disposed oppositely of said frame, a sand cutting cylinder mounted adjacent said wheels and extending transversely of said frame, and means for driving said two opposed wheels, said means including unitary mechanism for selectively disconnecting either of said wheels from said driving means while maintaining said engagement of said other wheel, to make adjustment of the angle of the cutting axis of said sand cutting cylinder through the sand pile.

1,466,864. POULTRY FEEDER. HARRY H. WALKER and FRANK ENOS, Jr., New London, Conn., assignors to The Norwich Automatic Feeder Company, New London, Conn., a Corporation of Connecticut. Filed Sept. 19, 1922. Serial No. 589,074. 11 Claims. (Cl. 119—61.)



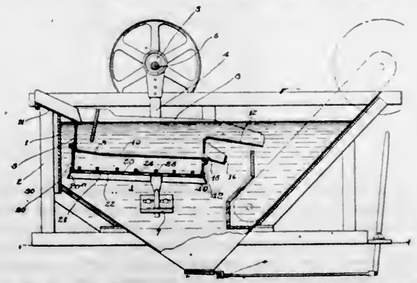
1. A poultry feeder comprising a trough having a flared top, vibrator rods arranged within the trough, guard plates slidably interlocked with the flared top to house the mountings of the rods.

1,466,865. STEERING-WHEEL DRIVE FOR SPEEDOMETERS. FREDERIK G. WHITTINGTON, Evanston, Ill., assignor to Stewart-Warner Speedometer Corporation, Chicago, Ill., a Corporation of Virginia. Filed June 5, 1922. Serial No. 565,886. 6 Claims. (Cl. 74—7.)



1. In a drive connection for a flexible shaft for driving such shaft from the steering wheel of a vehicle, a bracket for securing the flexible shaft casing to the steering knuckle spindle to fix the casing at the driven end of the shaft therein with respect to the plane of the steering wheel, comprising a unitary part which forms one member of each of two two-membered clamps, one for clamping the knuckle spindle and the other for clamping the shaft casing.

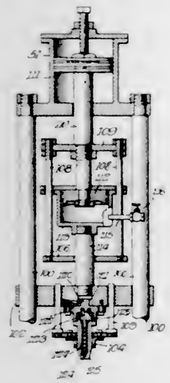
1,466,866. COAL JIG. GEORGE W. WILMOT, Hazleton, Pa., assignor to Wilmot Engineering Company, Hazleton, Pa., a Corporation of Pennsylvania. Filed Dec. 23, 1921. Serial No. 524,342. 6 Claims. (Cl. 83—80.)



1. In a coal jig comprising a tank having water therein, the combination of a jig pan partially submerged with-

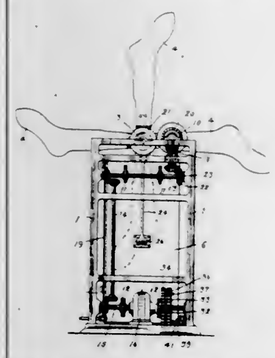
in said water, means for causing vibratory and rocking movement of the said jig pan, a receptacle of separate structure situated underneath the said jig pan and detachably carried thereby, the upper side of said receptacle being closed by the bottom of the said jig pan, and the said receptacle being provided with valve controlled openings in the bottom thereof, substantially as described.

1,466,867. GLASS-MOLDING MACHINE. SAMUEL E. WINDER, Chicago, Ill. Filed July 25, 1919. Serial No. 313,210. 10 Claims. (Cl. 49—38.)



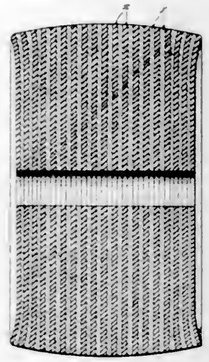
1. In a glass molding machine a plunger, means for intermittently forcing said plunger downwardly into the substance to be molded, and means for producing equal predetermined maximum pressures for every operation of the plunger and for maintaining each of these maximum pressures substantially constant for an appreciable length of time.

1,466,868. DEVICE FOR SHAPING AND PRESSING FABRICS. EARL M. WITHERELL, Duluth, Minn. Filed June 23, 1919. Serial No. 306,128. 3 Claims. (Cl. 223—17.)



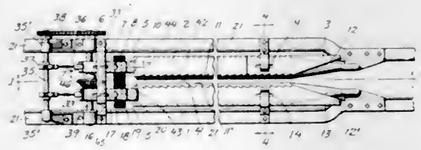
1. A garment pressing and shaping device of the character described, comprising an upright supporting frame, a rotatable shaft journalled in the upper portion of the frame, a plurality of garment receiving forms radially disposed upon the shaft, clamping and heating members within the frame intermediate of which the forms successively pass, and means whereby the form carrying shaft may be intermittently rotated.

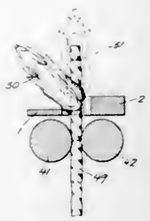
1,466,869. PULLEY. HARRY N. ATWOOD, Smithfield, N. C., assignor to Rubwood, Inc., Lawrence, Mass., a Corporation of Massachusetts. Filed Apr. 25, 1922. Serial No. 556,370. 2 Claims. (Cl. 64—17.)



1. A pulley comprising a plurality of plies of veneer and a plurality of bonding plies of elastic friction material alternately arranged and facially united, the latter plies having their peripheries presented at the circumferential face of the pulley and marginally in registration with the veneer plies.

1,466,870. SNAPPING MECHANISM FOR CORN-HARVESTING MACHINES. WILLIAM SEWARD BAIRD, Decatur, Ill. Filed Mar. 23, 1918. Serial No. 224,180. 8 Claims. (Cl. 56—107.)

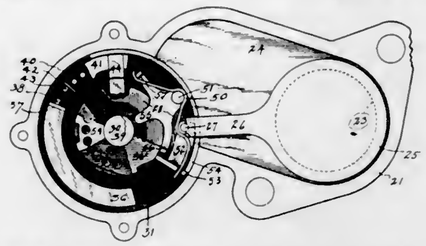




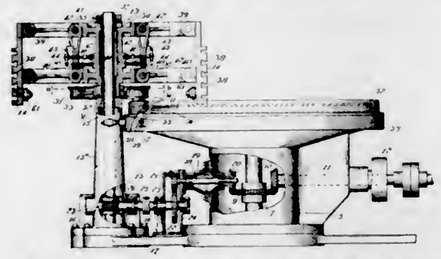
1. In a device of the kind described and in combination, a pair of snapping rolls and means arranged thereabove for simultaneously tilting and twisting the ears transversely on the stalks while the latter are engaged by said rolls.

1,466,871. PERMUTATION LOCK FOR AUTOMOBILES. ROBERT T. BENEFIELD, Indianapolis, Ind. Filed July 9, 1921. Serial No. 483,389. 3 Claims. (Cl. 70—127.)

1. The combination with an internal combustion engine, an intake manifold for the engine and an electric circuit system, of a valve movable to positions to open and to close said manifold, a shaft, a plate loose upon said shaft, a connection between said plate and said valve for operating the valve by the plate, means for rotating said shaft, devices controlled by said shaft for causing said plate to actuate said valve to open and to close said manifold, circuit make and break elements supported in part by and operated by said plate for closing and opening said circuit, and means for causing said elements to open said circuit before said plate moves said valve completely to closed position.

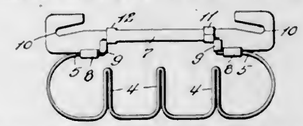


1,466,872. GRINDING MACHINE. HARRY S. BERGEN, Toledo, Ohio, assignor to Gardner Machine Company, South Beloit, Ill., a Corporation of Illinois. Filed May 5, 1920. Serial No. 378,992. 35 Claims. (Cl. 51—134.)



1. In a grinding machine, the combination with a grinding table, of a rotary head, a series of work supports on said head, means for rotating said head to carry the supports toward and away from said grinding table, said supports when away from said grinding table being entirely supported by said head, means for taking up the weight of said supports when they reach and when they leave said table, said supports when over said table being free to be drawn by gravity toward the table whereby work thereon will be presented to the table for grinding.

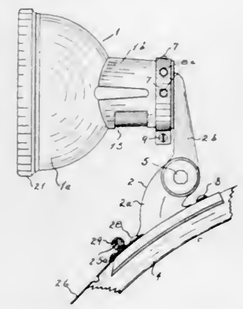
1,466,873. GARMENT SUPPORT. FRANKLIN O. CATES, St. Louis, Mo., assignor to The Linral Company, St. Louis, Mo., a Corporation of Missouri. Filed Dec. 17, 1921. Serial No. 522,965. 1 Claim. (Cl. 24—84.)



In a garment supporter, in combination a wire element contoured to form a bite, and a trouser-engaging element secured to said wire element and arranged to engage with buttons on the inner side of the trouser band of the wearer, said trouser-engaging element comprising two button-engaging members each having a projection, and said projections having sliding engagement with each other.

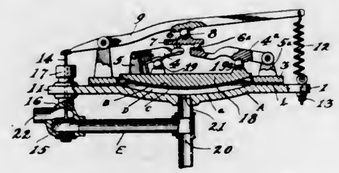
1,466,874. AUTOMOBILE SIGNAL LIGHT. BASIL W. ELLIOTT, Cleveland, Ohio, assignor to The Trafolite Manufacturing Company, Cleveland, Ohio, a Corporation of Ohio. Filed Mar. 13, 1922. Serial No. 543,523. 8 Claims. (Cl. 177—329.)

4. In a combined stop and tail light signal, the combination of a sheet metal casing having a main section and a contracted tubular section extending from the main section, a lens closing one side of the main section, said lens having a translucent red section and an opaque section with a translucent signal symbol of a color incapable of transmitting red light, a glass cup mounted in the tubular section of the casing, said cup having its end wall colored to transmit a translucent red light only and disposed to form a partition between the tubular and main parts of the casing, an electric light bulb disposed in the cup, a second electric light bulb disposed in the main part of the casing between said partition and the lens, and means for energizing the two lights independently of each other.



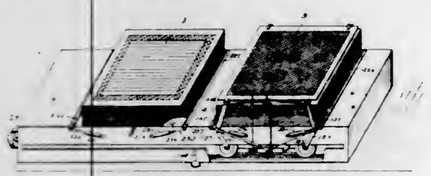
7. In an automobile traffic signal, the combination of a bracket adapted to be attached to the automobile structure, a transverse rod mounted on the bracket for transverse adjustment, said rod being adapted to support a license number plate, a lamp casing having a window to permit light to pass to the license plate, means for detachably securing the casing to the bracket in any one of several angular positions to project light through the window upon the license plate when it is in correspondingly different positions to adjustment relative to the bracket, a lens for the lamp casing bearing a traffic symbol, and means for securing the lens in the casing in different angular positions corresponding to the different angular positions of the casing, whereby the lens can be maintained with its traffic symbol in an upright position for reading regardless of the angular adjustment of the casing of the bracket.

1,466,875. PRESSURE REGULATOR. JOHN W. GHEEN, Los Angeles, Calif. Filed Feb. 24, 1920. Serial No. 361,013. 2 Claims. (Cl. 137—53.)



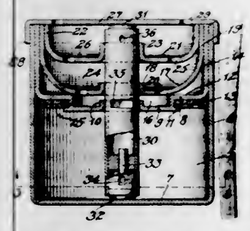
1. In a pressure regulator, a base plate having a depression, a diaphragm covering the depression, a clamping plate against the diaphragm around the depression and secured to the base plate, posts extending upwardly from the clamping plate and arranged concentric to the depression, a pressure plate upon the diaphragm, balls upon the pressure plate near its edge, levers connected to the posts and bearing upon the balls, second balls upon the inner ends of the levers, an evener plate upon the second balls, a ball upon the center of the evener plate, a lever pivotally mounted and engaging the ball, a spring pulling the lever against the ball, and a valve connected to the opposite end of the lever from the spring.

1,466,876. MACHINE FOR DISPLAYING RUGS, CARPETS, AND OTHER LIKE ARTICLES. JOHN W. GHEEN, Los Angeles, Calif. Filed Apr. 11, 1921. Serial No. 460,280. 4 Claims. (Cl. 211—22.)



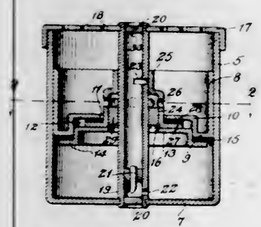
1. A machine for displaying rugs, carpets and like articles, comprising a track, a carriage upon the track, means for moving the carriage back and forth upon the track, a platform above the track and adapted to support articles, and means whereby the carriage takes articles from one position upon the platform and deposits the articles in another position upon the platform.

1,466,877. SOUND-PRODUCING DEVICE. LEO J. GRUBMAN, New York, N. Y., assignor to Grubman Engineering & Manufacturing Company, New York, N. Y., a Corporation of New York. Filed Dec. 28, 1922. Serial No. 609,397. 17 Claims. (Cl. 46—46.)



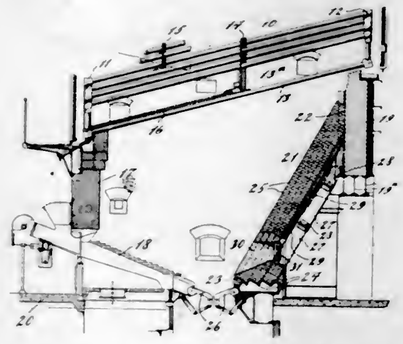
15. In a sound producing device, an air chamber, a gravity movable air expelling member in said chamber supported solely by the walls thereof for bodily movement with respect thereto, and sound producing and emitting means arranged in said chamber and including an orificed part with which said member coacts in its gravity movement in one direction to control the duration of the emitted sounds.

1,466,878. SOUND-PRODUCING DEVICE. LEO J. GRUBMAN, New York, N. Y., assignor to Grubman Engineering & Manufacturing Company, New York, N. Y., a Corporation of New York. Filed Dec. 30, 1922. Serial No. 609,816. 8 Claims. (Cl. 46—46.)



3. In a sound producing device, an air chamber, a movable member for expelling the air from said chamber, sound producing means through which the air is expelled, means governing the emission of the produced sounds including a fixed part; and a sound controlling member cooperating with said fixed part and movable with the expelling member and connected thereto by means permitting of the movement of one of said members as an independent unit with respect to the other in an angular direction relative to the line of movement of said expelling member.

1,466,879. FURNACE. ISAAC HARTER, Dongan Hills, N. Y., assignor to The Babcock & Wilcox Company, Bayonne, N. J., a Corporation of New Jersey. Filed Dec. 18, 1918. Serial No. 267,227. 19 Claims. (Cl. 110—1.)



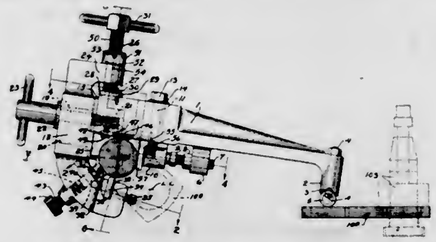
1. In a furnace, a furnace wall, a second furnace wall inclined to the first and forming a sliding joint therewith, a support for said inclined wall, said inclined wall being provided with an opening independent of said support for affording access to the interior of the furnace.

1,466,880. FENCEPOST. PERCY J. HINDMARSH, Lincoln, Nebr., and JOHN W. MEAKER, Evanston, Ill., assignors to The American Steel and Wire Company of New Jersey, a Corporation of New Jersey. Filed Oct. 5, 1921. Serial No. 505,518. 1 Claim. (Cl. 256—54.)



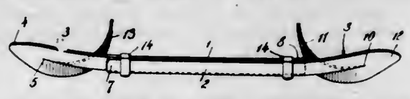
The combination with a hollow cylindrical metallic fence post having a longitudinal opening therein, and having at least one edge of the side walls of said post paralleling the opening of said post provided with a series of alternate projections and depressions, of staples adapted to be secured in said opening to hold wire fencing on said post, said staples being of U-shape construction having their shanks so spaced so as to fit over said projections and to extend into said depressions whereby said staples are locked against vertical movement relative to said post, said shanks being of a diameter greater than the greatest width of said opening and being provided with wedge like points tapered in opposite directions and notches to the rear of said points, to which the edges of said side wall are adapted to spring to lock said staples against horizontal movement relative to said post.

1,466,881. CRANK-SHAFT-TURNING DEVICE. ALFRED E. JOHNSON, Denver, Colo. Filed Aug. 3, 1921. Serial No. 489,633. 7 Claims. (Cl. 82—4.)



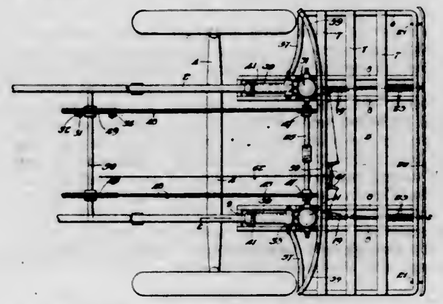
1. A tool for turning the connecting rod bearings of an engine crank shaft, comprising an arm (1) having a transversely arranged guide member (5) connected to one end thereof, a tool holder (18) attached to and transversely movable across the other end thereof, a stop member (10) longitudinally movable on said arm and provided with a stop surface (57) and a cutting tool (34) carried by said tool holder.

1,466,882. VEHICLE BUFFER DEVICE. GEORGE ALBERT LYON, Philadelphia, Pa. Filed Oct. 5, 1921. Serial No. 505,468. 14 Claims. (Cl. 293—55.)



11. The automobile buffer comprising two similar units each formed from a tempered spring steel plate and provided with a rearwardly and inwardly bent attaching strip and with a relatively long vertically separated front strip integrally connected to said attaching strip and connected devices to clamp together the cooperating portions of the corresponding front strips adjacent the central part of the buffer to form a multiple strip contact member vertically separated from said attaching strips.

1,466,883. COMBINED BUMPER AND FENDER FOR MOTOR VEHICLES. ALFRED C. MCCLOSKEY, Philadelphia, Pa., assignor to Frederic W. Bacon, Philadelphia, Pa. Filed Aug. 15, 1922. Serial No. 581,950. 8 Claims. (Cl. 293—36.)



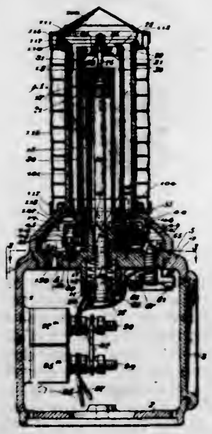
1. A device of the character stated, comprising a fender movably supported at one end, a bumper carried by said fender, a crank shaft carried by said fender and having its crank arms extending downwardly when the fender is in raised position, a resilient support for said crank shaft, and tripping means controlled by said bumper to actuate said crank shaft to effect the release of said fender.

1,466,884. PREPARING AND TRANSPORTING PEAT OR OTHER GRANULAR MATERIAL HYDRAULICALLY. ALEXANDER MCDOUGALL, Duluth, Minn. Filed Oct. 3, 1921. Serial No. 504,879. 2 Claims. (Cl. 83—89.)



1. A device for the preparation of granular material for hydraulic transportation comprising an elongated narrow deep inclined trough, material disintegrating means within the upper end of the trough, a water and material supply adjacent said means, a conveying pipe attached to the lower end of the trough and adjacent the bottom thereof for receiving the heavier and thicker contents of the trough, and discharge openings adjacent the upper edge of the trough for the discharge of separated water from where it may be returned for subsequent use.

1,466,885. LIGHT-OPERATED CONTROLLER. ELOF H. MEDEN, Short Hills, N. J., assignor to American Gas-Accumulator Company, Elizabeth, N. J., a Corporation of New Jersey. Filed May 25, 1922. Serial No. 563,746. 18 Claims. (Cl. 67—110.)

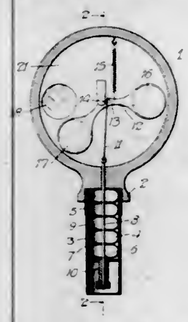


1. In a light operated controller, the combination of two bodies which are adapted to expand and contract unequally under the influence of light and darkness, which bodies are situated one within the other, a member to be actuated by such unequal expansion and contraction, and means whereby such unequal expansion and contraction cause movement of said member.

1,466,886. TEMPERATURE INDICATOR. OSCAR W. MOORE, Chicago, Ill. Filed Sept. 21, 1921. Serial No. 502,099. 1 Claim. (Cl. 116—114.)

A temperature indicator of the class described, comprising an annular casing having axially spaced face plates supported therein, said face plates being each provided with a pair of circular sight openings spaced outwardly from the axis of the casing, a semaphore pivotally supported between said face plates at the axis of the casing and extending outwardly at opposite sides of its pivotal support, and at each end being provided with a colored disk for display at said sight openings, and thermostatic means supported by said casing for actuating said

semaphore, whereby the colored disks on the ends of the semaphore will move more or less into or out of registra-



tion with said sight openings and thereby giving indication of temperature by the size of the unobstructed crescent-shaped space remaining at the sight openings.

1,466,887. TEMPERATURE INDICATOR. OSCAR W. MOORE, Chicago, Ill. Filed Nov. 2, 1921. Serial No. 512,228. 1 Claim. (Cl. 116—114.)



A temperature indicator comprising a disk shaped casing, each face of the casing being provided with a pair of sight openings, an arm so pivoted in said casing between said sight openings that while one end of the arm may move more or less into view in one sight opening the other end of the arm will move to a corresponding extent out of view at the other sight opening, said arm being provided with a slot, and thermostatic means for engaging the arm at said slot for the purpose of rocking the arm.

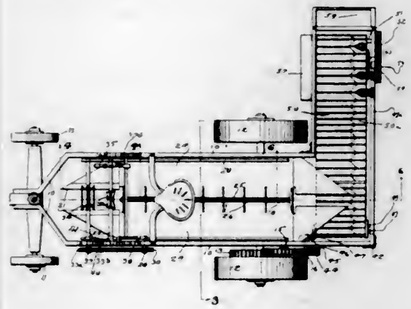
1,466,888. WATER-SHEDDING COMPOUND FOR GLASS WINDSHIELDS. LILLY S. MORRISSEY, Richmond Heights, Mo. Filed Oct. 8, 1921. Serial No. 506,363. 3 Claims. (Cl. 134—27.)

1. A water-shedding compound for glass windshields comprising glycerine approximately 50 per cent, ammonia less than 25 per cent and water more than 25 per cent.

2. As a new article of manufacture, a device for clearing glass windshields comprising a sheet of absorbent fabric impregnated with a water-shedding compound including glycerine, ammonia and water, the volume of glycerine being approximately 50 per cent of said mixture.

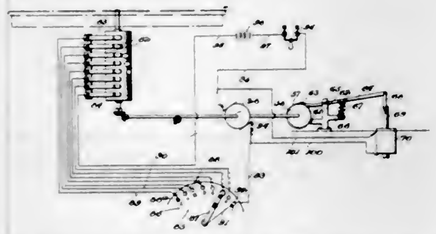
1,466,889. BEET TOPPER. ARLINGTON P. MORTENSEN, Provo, Utah, assignor of one-tenth to T. H. Dudley, Santa Monica, Calif. Filed Jan. 26, 1921. Serial No. 440,130. 2 Claims. (Cl. 146—11.)

1. In a beet harvester and topper, a frame, a conveyor supported by the frame, a topper knife operating adjacent one edge of said conveyor, means carried by the frame for delivering the tops to said conveyor with the tops thereof toward said topper knife, including a second conveyor having its upper end provided with a discharge trough discharging to the first named conveyor, the lower end of the second named conveyor being arranged in spaced relation to the ground, means in advance of and above the lower end of the second named conveyor for



engaging the tops of beets to direct the same toward the second named conveyor, means for driving said conveyors, a driving connection between the second conveyor and the beet top engaging means, means for simultaneously vertically adjusting the lower end of said second conveyor and said beet top engaging means, and means for independently vertically adjusting the beet top engaging means.

1,466,890. MOTOR-CONTROL SYSTEM FOR SELF-SERVING TABLES. ESSEX DELOATCH, Philadelphia, Pa. Filed Nov. 26, 1919. Serial No. 340,791. 1 Claim. (Cl. 172—239.)

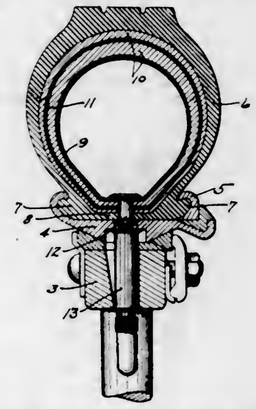


In a device of the class described, the combination of a table top section, a shaft carrying said table top section, an electric motor geared to said shaft to rotate the same in one direction only, a cylindrical core of insulation on said shaft, a sheathing of conducting material enclosing said core and having a series of circumferentially extending openings arranged in stepped relation longitudinally of the sheathing, a plurality of contact fingers supported at one side of said sheathing and bearing thereon in the planes of the respective openings, a finger bearing upon said sheathing axially beyond the series of openings, and means for closing a motor circuit through said last-mentioned finger and selectively through the first-mentioned fingers.

1,466,891. PNEUMATIC TIRE. REUBEN B. DISBROW, Owatonna, Minn., assignor of one-half to L. P. Ordway, St. Paul, Minn. Filed Sept. 30, 1922. Serial No. 591,651. 1 Claim. (Cl. 152—13.)

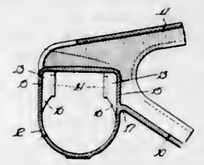
A single tube pneumatic tire comprising a casing having circumferential beads, a tough flexible lining and an interposed layer of soft elastic substance, the latter binding the inner and outer layers permanently together,

giving increased resistance to the tire and operating to seal punctures, the circumferential air passage in said



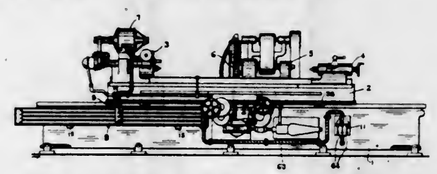
lining being continuous and said casing completely surrounding and enclosing said lining and interposed layer.

1,466,892. TRUCK SIDE FRAME. HARRY E. DOERR, St. Louis, Mo., assignor to Scullin Steel Co., St. Louis, Mo., a Corporation of Missouri. Filed Oct. 20, 1922. Serial No. 595,719. 3 Claims. (Cl. 105—219.)



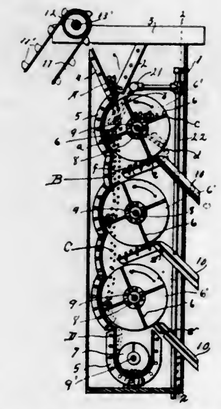
1. A side frame including a tension member, a compression member, and journal boxes all cast integrally, said journal boxes having box shaped wedge lugs of the same thickness as the walls of the journal boxes, and the wedge lugs terminating in ribs extending below the junction points between said journal boxes and tension members whereby upon cooling of the metal in the mold shrinkage cracks and cavities at such points and around said lugs are prevented.

1,466,893. ELECTRICALLY-DRIVEN GRINDING MACHINE. HOWARD W. DUNBAR, Worcester, Mass., assignor to Norton Company, Worcester, Mass., a Corporation of Massachusetts. Filed Oct. 21, 1920. Serial No. 418,509. 7 Claims. (Cl. 191—34.)



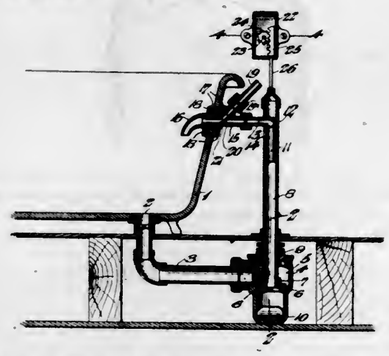
1. A grinding machine comprising a base having ways, a table mounted for reciprocation thereon, a rotatable grinding wheel adapted to grind work mounted on said table, head and tail stocks on the table to support the work, an electric motor connected to rotate the work during grinding thereof, an electric conductor mounted on the base below the table and extending parallel with said ways, a collector arm on the table electrically contacting with said conductor as the table moves and electrical devices completing the circuit between said electric conductor, collector arm and motor.

1,466,894. SCREENING MACHINE. JOHN C. DUNTON, Grand Rapids, Mich. Filed July 3, 1922. Serial No. 572,387. 6 Claims. (Cl. 83—56.)



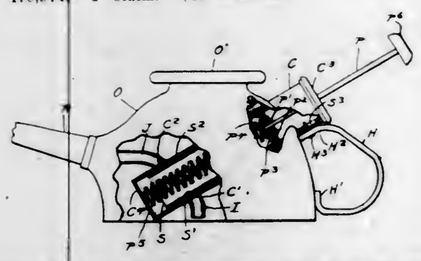
1. In a screening machine for grading the sizes of the elements in lump material, an enclosing case, a series of revoluble reels mounted in said case, said reels made up of a central elongated hub having arms radiating therefrom, said reels positioned one above the other and each lower reel having its arms spaced closer together than the next preceding upper reel, a discharge chute from each reel arranged to deposit each grade of material in a different locality from all other grades of said material, longitudinally of the reels, and means for revolving said reels uniformly for receiving, assorting and discharging the material being screened.

1,466,895. BATHTUB APPURTENANCE. HENRY EDELMAN, Philadelphia, Pa., assignor to The Edel Manufacturing Co., Philadelphia, Pa., a Corporation of Delaware. Filed Nov. 11, 1922. Serial No. 600,294. 14 Claims. (Cl. 4—24.)



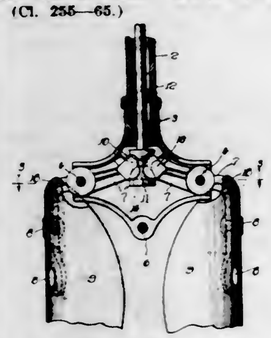
4. In a device of the character designated, an overflow pipe, an elbow the vertical limb of which is received in the upper portion of said overflow pipe, said pipe having a slot through which the horizontal limb of said elbow passes, a nozzle on the tub connected with which is said last-named limb, and a branch pipe connected with said nozzle, said horizontal limb and branch being adapted to open into the interior of said nozzle.

1,466,896. DISPENSING DEVICE. ARCHIE JAMES FRAME, Miami, Fla., assignor of one-half to Frank L. Felix, Hartford, Ky. Filed May 19, 1921. Serial No. 470,974. 1 Claim. (Cl. 221—51.)



In a force-feed oil can, the combination of an oil reservoir; a chamber provided with an inlet port and an outlet port; an inlet pipe connecting said inlet port with the interior of the reservoir; a discharge pipe connecting with said outlet port; a reciprocable sleeve in said chamber provided with an inlet port and an outlet port; a pin-and-slot connection between said chamber and said sleeve adapted to maintain said chamber ports and said sleeve ports in constant alignment; a piston head movable in said sleeve; said sleeve and said piston head being so related to each other and to said chamber that when said piston head is moved on the intake stroke said sleeve intake port and said chamber intake port are moved into register, suction being effected through said inlet pipe, and when said piston head is moved on the discharge stroke said sleeve outlet port and said chamber outlet port are moved into register, compression being effected through said outlet pipe; and a manually operated piston rod adapted to move said piston head.

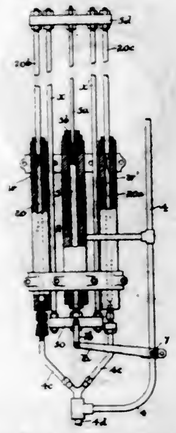
1,466,897. EARTH AUGER. PAUL GAMPHER, Chicago, Ill. Filed Feb. 5, 1921. Serial No. 442,723. 6 Claims. (Cl. 255—65.)



1. In an earth auger, the cutting bits having the curved shaped cutting ends stiffened by ribs extending down and along the narrower and weaker portion of the bits.

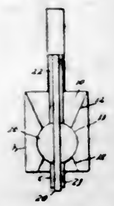
1,466,898. HYDRAULIC ACCUMULATOR. JESSE GRAHAM, Leeds, England, assignor to Bradford Dyers' Association Limited, Bradford, England. Filed May 15, 1916. Serial No. 97,620. 4 Claims. (Cl. 50—34.) (Granted under the provisions of the act of Mar. 3, 1921, 41 Stat. L., 1313.)

1. A control device for hydraulic accumulators comprising a main piston, supplemental pistons mounted to act in opposition to the main piston, the effective pressure area of the main piston being less than the combined effective pressure areas of the supplemental pistons, means connecting said pistons, means whereby the effective pressure area of the main piston may be changed, cylinders for said pistons, branch pipes leading from a common source to the respective cylinders, means actuated by movements of the pistons for varying the



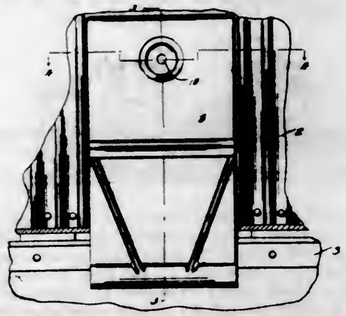
active pressure of fluid passing through the branch pipe leading to the cylinders of said supplemental pistons, and a delivery pipe connected with the last mentioned branch pipe.

1,466,899. TOOL AND HOLDER THEREFOR. BENGT M. W. HANSON, Hartford, Conn. Original application filed Aug. 19, 1919, Serial No. 318,532. Patent No. 1,363,587, dated Dec. 28, 1920. Divided and this application filed May 1, 1920. Serial No. 378,241. 7 Claims. (Cl. 29—98.)



1. A tool-holder having a slot provided with a socket portion and outwardly flaring portions extending from opposite sides of the socket portion.

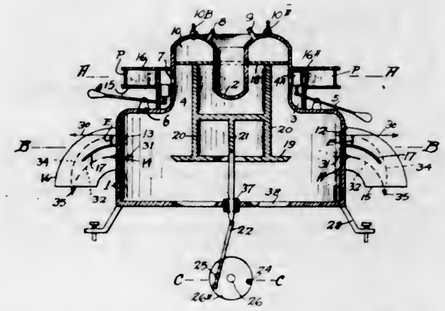
1,466,900. ELEVATOR-DOOR LOCK. ROBERT J. HARPER, Sr., Chicago, Ill. Filed Feb. 14, 1922. Serial No. 536,422. 2 Claims. (Cl. 70—14.)



1. An elevator door lock comprising an open frame, a catch comprising a plate having an engaging shoulder

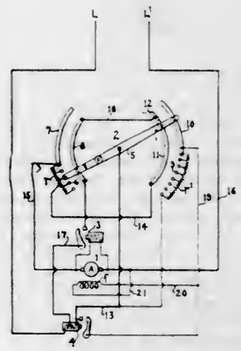
at one end and provided at its opposite end and along its sides with an off-standing flange, said flange to be disposed along the outer wall of said open frame, perforated lugs carried by said catch and extending into said open frame and engaging the inner side walls thereof, a pintle passing through said frame and said perforated lugs to pivot said catch to said frame, and spring means disposed between said frame and catch to normally hold said catch in fastening position.

1,466,901. AIR PROPELLER. MARCUS HOLLANDER, Brooklyn, N. Y. Filed Sept. 11, 1922. Serial No. 587,566. 15 Claims. (Cl. 115—13.)



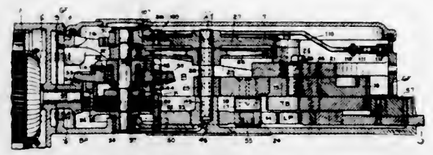
1. In an air propeller a bottle-shaped cylinder consisting of combustion and compressing chambers with openings at the bottoms and sides thereof, a piston in the combustion chamber to permit expansion of the combustible substances into the compressing chamber, said expanded substances being adapted to compress the air in said compressing chamber.

1,466,902. MOTOR CONTROLLER. ALBERT J. HORTON, White Plains, N. Y., assignor to The Cutler-Hammer Mfg. Co., Milwaukee, Wis., a Corporation of Wisconsin. Filed Oct. 15, 1920. Serial No. 417,102. 7 Claims. (Cl. 172—179.)



5. In combination an electric motor, a rheostat connected to said motor for inclusion in circuit with the latter of a given amount of the resistance of said rheostat regardless of the setting of the latter, said rheostat having additional resistance for inclusion in the motor circuit at will and a switch having means to operate the same automatically but subject to a delay to exclude to varying degrees the first-mentioned portion of said resistance according to the adjustment of said rheostat.

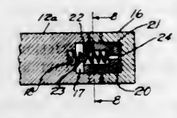
1,466,903. SWITCH MACHINE. WINTHROP K. HOWE, Rochester, N. Y., assignor to General Railway Signal Company, Rochester, N. Y., a Corporation of New York. Filed June 17, 1919. Serial No. 304,816. 37 Claims. (Cl. 246—135.)



1. A switch machine comprising a driving pin operated in a circular path, and a throw bar connected to the switch points and having a laterally opening jaw for receiving said driving pin, said jaw being shaped and positioned to receive the thrust from said driving pin substantially along the longitudinal center line of said throw bar.

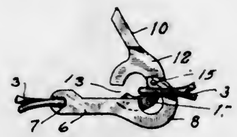
17. A switch machine comprising circuit controlling means included in the power controlled circuits for the machine, means permitting manual operation of the machine, and means for actuating said circuit controlling means when said first mentioned means is effective.

1,466,904. ROTARY PUMP. HENRY O. JACKSON, Denver, Colo., assignor to National Pump Company, a Corporation of Colorado. Filed Dec. 27, 1921. Serial No. 524,977. 3 Claims. (Cl. 103—136.)



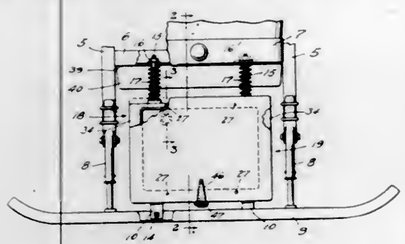
1. In a rotary pump having a casing, a piston chamber in said casing, intake and discharge ports opening into said piston chamber, a rotary piston member in said casing, and longitudinally extending slots in the surface of said rotary piston member, rollers adapted to lie in said slots and cooperating with the sides of said piston chamber to form seals, said rollers being provided with means whereby they will automatically extend to compensate for any end wear.

1,466,905. NONSKID-CHAIN FASTENER. LEWIS W. KENNEDY, Hot Sulphur Springs, Colo. Filed Oct. 14, 1922. Serial No. 594,572. 1 Claim. (Cl. 24—242.)



A fastener adapted to be used in securing the ends of chains, comprising a body member having one end perforated to receive a link and the other end formed into a hook, said member having a portion on one side removed, a slot in the hooked end, a tongue member having one end formed into the shape of a washer with an opening therein and the other end adapted to fit said cut away portion, and a pivot joining said members and located near the end of the first named hook, the tongue member having one end formed with an integral extension that engages over the end of the hook member and forms a catch.

1,466,906. AUTOMOBILE REFRIGERATOR. CHARLES J. KERR, Seattle, Wash. Filed Oct. 24, 1921. Serial No. 509,895. 2 Claims. (Cl. 224—29.)

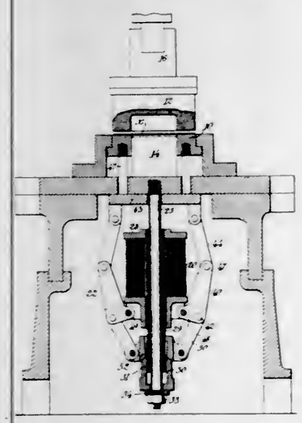


1. The combination with an automobile having a radiator, and a bumper connected to the automobile frame, of a receptacle having a sloping bottom which is inclined downwardly from the front toward the rear, bar supports for the receptacle, said supports being secured to said bumper and having slidable connections with the automobile frame below said radiator, springs urging said supports forwardly with respect to the automobile, and means for removably fastening the receptacle to the supports in spaced relations with respect to the radiator.

1,466,907. FRICTION FACING AND PROCESS OF MAKING SAME. LESTER KIRSCHBRAUN, Chicago, Ill., assignor to The Raybestos Company, Bridgeport, Conn., a Corporation of Connecticut. Filed Aug. 16, 1920. Serial No. 404,012. Renewed Feb. 13, 1922. Serial No. 536,343. 3 Claims. (Cl. 91—70.)

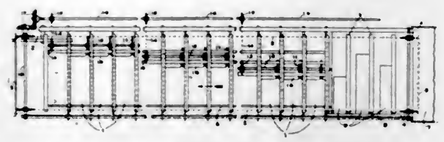
3. A process of making a friction facing, consisting in forming a facing element from unwoven sheeted asbestos fiber, saturating said element in a solution of bituminous substance and phenol, removing the saturated element and subjecting it to the action of formaldehyde and curing the element to the desired strength and hardness.

1,466,908. PRESS HAVING SPRING-PRESSED BLANK HOLDER. WILLIAM KLOCKE, Woodhaven, N. Y., assignor to E. W. Bliss Company, Brooklyn, N. Y., a Corporation of West Virginia. Filed July 7, 1921. Serial No. 482,109. 18 Claims. (Cl. 113—46.)



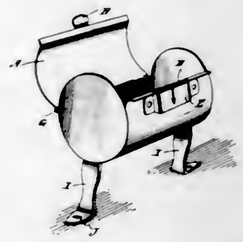
1. A drawing press comprising a blank-holder, and means for resisting the movement of said blank-holder, said means comprising an elastic part, an abutment against which said elastic part bears, and abutment on the side of said elastic part opposite said first abutment, a lever having its fulcrum supported on said second named abutment and adapted to transmit force applied thereto by said blank-holder to said elastic part, and a connection between said lever and blank-holder.

1,466,909. LUMBER SORTER. JAMES M. LEAVER and JAMES M. LEAVER, Jr., Oakland, Calif. Filed Feb. 13, 1923. Serial No. 618,858. 20 Claims. (Cl. 83—92.)



1. In a lumber sorter, a series of bins, an endless traveling conveyor arranged to convey lumber across the top of the bins, said conveyor passing over the bins, around the ends and returning under the bins, and a plurality of selective tripping devices spaced over the bins along the conveyor operatively geared thereto in positive relation to a plurality of definite points on said conveyor and adapted to trip lumber therefrom to the bins.

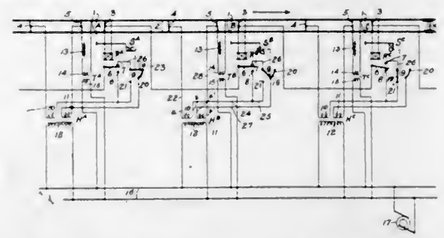
1,466,910. DENTAL MEASUREMENT-WIRE CONTAINER. DWIGHT LENZI and GEORGE O. DESCHAMPS, Idaho Falls, Idaho. Filed Oct. 14, 1921. Serial No. 507,680½. 1 Claim. (Cl. 242—146.)



A receptacle for holding a spool of strand material comprising a cylindrical container, a stand detachably supporting said container and adapted to be attached to any suitable supporting object, a lid opposite said stand and attached to said container by means of a hinge, said hinge comprising an axially disposed rod gripped by alternate hinge flanges attached to said lid and said container, a spring mounted on said rod to automatically close said lid, a lifting tab attached to said lid opposite said hinge, a pocket-forming member attached to said container opposite said hinge, a rubber pad disposed in the pocket thus formed, and a short vertical slot in the front wall of said container, in said rubber pad and in said pocket-forming member adapted to have the strand material withdrawn therethrough and act as a guide, tension device and brush for said material, all substantially as set forth.

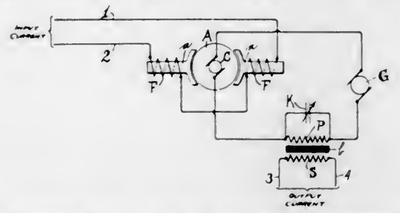
1,466,911. RAILWAY-TRAFFIC-CONTROLLING SYSTEM. LLOYD V. LEWIS, Edgewood Borough, Pa., assignor to The Union Switch & Signal Company, Swissvale, Pa., a Corporation of Pennsylvania. Filed Nov. 24, 1922. Serial No. 602,975. 10 Claims. (Cl. 246—34.)

6. A railway traffic controlling system comprising a plurality of successive sections of railway track, a transformer for each section having two secondary windings, and means associated with each section and controlled by



traffic conditions ahead for connecting one or the other of the two said secondaries to the rails of the section.

1,466,912. CURRENT RELAYING AND PRODUCTION. DAVID G. MCCAA, Palo Alto, Calif., assignor of one-half to Cornelius D. Ehret, Philadelphia, Pa. Filed May 18, 1921. Serial No. 470,536. 10 Claims. (Cl. 179—171.)



4. Apparatus for producing alternating current comprising a source of direct current, a direct current armature in circuit therewith, a field winding with respect to which said armature is rotated, and a coupling between the circuits of said armature and said field winding.

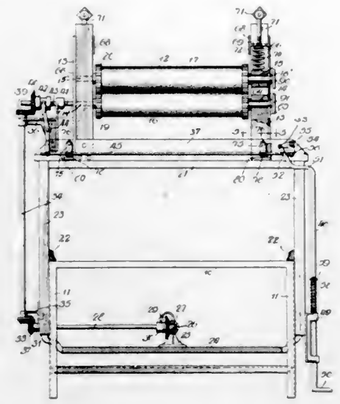
1,466,913. PEEP SIGHT FOR FIREARMS. JESSE CONRAD MATTHEWS, Kamiah, Idaho. Filed Aug. 10, 1922. Serial No. 580,949. 1 Claim. (Cl. 33—54.)



A peep sight comprising a standard of substantially circular formation and having an elongated opening near its top portion, a wire secured centrally of the opening and radially of the standard, a disc rotatably mounted on the standard, said disc having apertures of different diameters arranged spirally about the face thereof, and means for holding the disc in a predetermined position, including a depression on the outer circumference of the standard and centrally located with respect to the vertical axis of the opening in the standard, and a series of projections arranged about the outer circumference of the disc and in radial alinement with the apertures whereby to engage the depression in the standard and for successively maintaining the apertures in alinement with the elongated opening and for locating the vertical diameters of the openings in alinement with the wire.

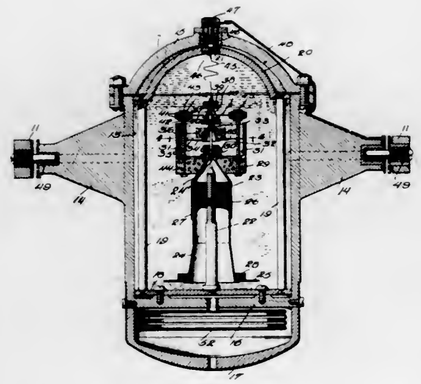
1,466,914. CLOTHES WRINGER. GUSTAV N. MEVES, Davenport, Iowa. Filed Mar. 27, 1920. Serial No. 369,348. 6 Claims. (Cl. 68—32.)

1. Safety mechanism for clothes wringers comprising, in combination, upright standards having fixed bearings for one wringer roll, movable bearings for the other roll, vertically disposed floating fittings in said standards, compression abutments between said fittings and the bearings for the movable roll, foot actuated means acting



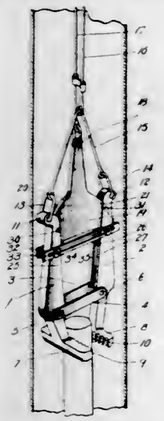
on said floating fittings to press the movable roll towards the fixed roll, and automatic means arranged to permit separation of the movable from the fixed roll, said abutment being movable with the movable roll.

1,466,915. SUBMARINE MINE. ERNEST FOX NICHOLS, New Haven, Conn., assignor to Government of the United States, represented by the Secretary of the Navy. Filed Nov. 27, 1918. Serial No. 264,454. 5 Claims. (Cl. 102—3.)



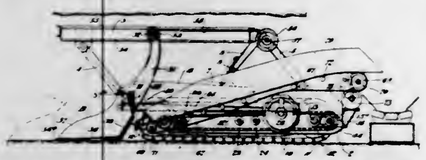
4. In combination with a submarine mine, a firing device therefor comprising a detonator, a unit mounted on a pivot, and having a second pivot which in its normal position is in axial alignment with said first pivot, a second unit on said pivot, a fluid in which said units are immersed, and separate buoyancy means for each unit, the specific gravity of each of said complete units being but slightly greater than the specific gravity of the immersion fluid and the centers of buoyancy of each of said units as well as the whole system of units combined being slightly above but as near the centers of gravity of each unit or said system of units combined as will insure the system remaining in an upright position and contacts carried by said units and in circuit with said detonator.

1,466,916. FISHING TOOL. FRED J. PEARL, Kansas City, Mo. Filed Oct. 17, 1921. Serial No. 508,147. 3 Claims. (Cl. 294—115.)



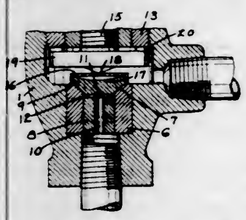
1. A fishing tool comprising two substantially parallel jaw-carrying levers having jaws at their lower ends and provided with outwardly movable upper ends to bring the jaws together, a pair of cross bars pivotally connecting the levers together, a vertically movable lever expander for moving the upper ends of the levers apart, the expander comprising a weight adapted to gravitate out of lever-expanding position, and a cable connected to the expander to be manipulated from the top of the well to raise the same into lever-expanding position.

1,466,917. LOADING MACHINE. FRANK E. SMITH, Scottdale, Pa. Filed Sept. 21, 1922. Serial No. 589,515. 11 Claims. (Cl. 214—90.)



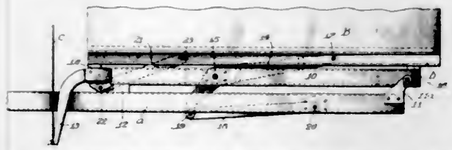
1. A loading machine comprising a movable base, a horizontally disposed vertically adjustable and collapsible boom above said base, a dipper supported from said boom and means for actuating said dipper.

1,466,918. VALVE. KARL D. SMITH, Battle Creek, Mich., assignor to Union Steam Pump Company, Battle Creek, Mich. Original application filed Apr. 11, 1918, Serial No. 228,029. Divided and this application filed Sept. 20, 1920. Serial No. 411,507. 1 Claim. (Cl. 257—132.)



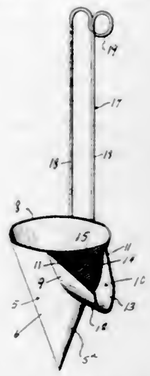
In a structure of the class described, the combination of a casing provided with inlet and outlet connections, a valve seat, a coacting valve having a concave top and a cap of spring metal over said valve, and means for applying pressure to said cap whereby the valve is held yieldingly in place as specified.

1,466,919. DUMPING WAGON. EARL W. WINANS, Detroit, Mich., assignor to Federal Motor Truck Company, Detroit, Mich., a Corporation of Michigan. Filed Aug. 18, 1919. Serial No. 318,265. 24 Claims. (Cl. 298—11.)



1. In dumping wagons wherein the load-carrying body is shifted from a normal load-transporting plane when being dumped, a wheeled support for the body, and means for operatively connecting the body and support to permit such shifting movements of the body, said means including a frame movable relatively to both body and support and normally having a pivotal relation with each at more than a single point in the length of the body and of the support to permit variable movement between frame, body and support, the points of pivotal connection being constant as to location in frame, body and support.

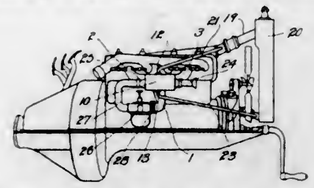
1,466,920. SAMPLING DIPPER. ANTON A. ANDERSON, Wilder, Minn. Filed Sept. 25, 1922. Serial No. 590,550. 2 Claims. (Cl. 65—28.)



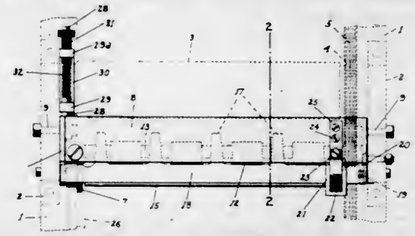
1. A sampling dipper comprising an inverted conical shell having a portion of its side cut away downwardly from its upper edge, a downwardly and outwardly inclined discharge spout on the shell at the edge of the cut away portion, and an elongated handle secured to the shell, the downward inclination of the spout preventing the remaining thereon of any lumps when the device is withdrawn from a volume of liquid into which it has been previously dipped.

1,466,921. COMBINED INTAKE MANIFOLD AND FUEL PREHEATER. FRED E. ANDERSON, Osage City, Kans., assignor to David S. Erickson, Osage City, Kans. Filed Sept. 27, 1921. Serial No. 503,693. 1 Claim. (Cl. 123—122.)

An intake manifold for internal combustion engines comprising a casing divided into an intermediate heat chamber and two outer chambers, one of which is a fuel chamber and the other an air chamber, an inlet port for the fuel chamber, and exhaust ports for said chamber, the intermediate chamber having ports at its top and bottom and the air chamber having ports at its respective ends at right angles to the ports in the heat chamber, one air port communicating with atmosphere and the other having means for attachment to a carburetor, the inlet port for the fuel chamber having means for attachment to the discharge end of the carburetor.

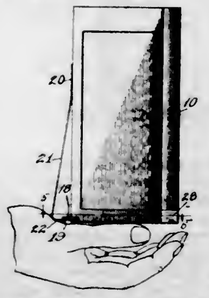


1,466,922. PAPER-FEED MECHANISM. LEWIS R. BARBER, Fresno, Calif., assignor to Lisenby Manufacturing Company, Fresno, Calif., a Corporation. Filed May 27, 1922. Serial No. 564,141. 5 Claims. (Cl. 271—53.)



1. In a printing press, a pivoted bail, upper feed-rolls pivoted therein, lower feed rolls pivoted independently of the bail and normally spaced from the upper rolls, a paper-feed plate fixed with respect to the lower rolls, a transverse bar structure pivoted independently of the bail, fingers mounted on the bar and normally projecting below the surface of the plate, means for tilting the bail to cause the upper rolls to contact with the lower rolls, and a member mounted on the bail and adapted to engage the bar at a point thereon such that a depression of said bar at that point will cause the fingers to be raised, said member being normally vertically spaced from the bar, and means for enabling said normal spacing of said member from the bar to be altered at will.

1,466,923. EJECTOR MECHANISM FOR PAPER-CUP DISPENSERS. CESARE BARBIERI, New York, N. Y., assignor to The Vortex Mfg. Co., Chicago, Ill., a Corporation of Illinois. Filed July 3, 1922. Serial No. 572,521. 10 Claims. (Cl. 211—8.)



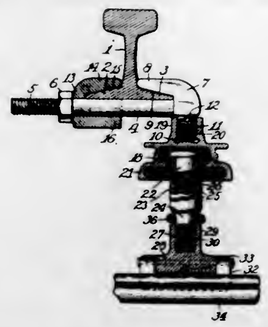
1. A container for flat folded cups of truncated sector shape, having a narrow forward face adapted to fit the small end of the cups and two radial faces adapted to fit the radial edges of these cups, a spring secured to said narrow face, an ejector mechanism actuated by the lower end of said spring, the said narrow face acting as a stop to limit the motion of the spring and of the ejector mechanism.

1,466,924. TICKET HOLDER. JAKOB L. BERGVALL, New York, N. Y., assignor of one-half to Rolf De Trentini, New York, N. Y. Filed Jan. 25, 1921. Serial No. 439,737. 1 Claim. (Cl. 206—39.)



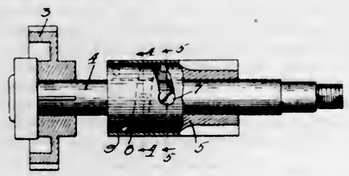
A receptacle which comprises a shallow box, a pair of covers hinged at opposite ends of said box, the length of said covers being less than half the length of said box and springs pressing said covers to cause the free ends of said covers to bear against the bottom of the box.

1,466,925. ELECTRIC-CIRCUIT SUPPORT. EARL R. BIGGS and CARL R. BIGGS, Clinton, Ind. Filed Jan. 22, 1923. Serial No. 614,145. 13 Claims. (Cl. 191—40.)



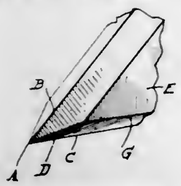
7. An electric-circuit support comprising a clamp rod having screw threads extending from one end and a jaw having a lip adjacent to the opposite end thereof fixed on one side of the rod, the opposite side of the rod having a screw-threaded stud thereon provided with a transverse hole adjacent to the rod, a nut on the clamp rod engaging the screw threads thereon, a jaw adjustable on the clamp rod and having a lip on one side and a guide on the opposite side thereof, and a device to be screwed onto said stud to connect a circuit wire to the stud and thereby to said fixed jaw.

1,466,926. ENGINE STARTER. ODILON BRISBOIS, Chicago, Ill. Filed Feb. 6, 1922. Serial No. 534,359. 1 Claim. (Cl. 74—7.)



In an engine starter, a driving shaft having a stud projecting radially therefrom, a gear loosely mounted on said shaft and having a spiral slot for receiving said stud, one end of said slot having a depression for receiving said stud and holding said gear from creeping when in inoperative position.

1,466,927. GIN OR LINTER SAW. ROBERT H. BUTTERS, Atlanta, Ga., assignor to The Butters-Camp Manufacturing Company, Atlanta, Ga., a Corporation of Georgia. Filed Aug. 15, 1921. Serial No. 492,505. Renewed Feb. 15, 1923. 2 Claims. (Cl. 19—63.)

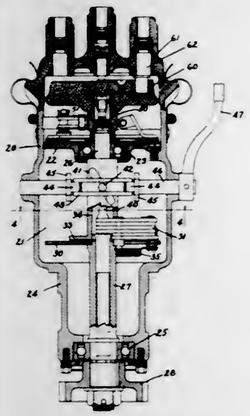


1. A linter saw whose teeth have each a pyramidal point of diamond-shaped cross section tapering to a sharp terminal apex and having longitudinal reinforcing ribs along its upper, under and lateral faces, the lateral ribs being devoid of cutting qualities.

1,466,928. BITUMINOUS MIXTURE. DENNIS A. CASEY, New Orleans, La. Filed Oct. 7, 1921. Serial No. 506,092. 2 Claims. (Cl. 106—31.)

1. A mixture consisting of 5½% to 8½% by weight of bitumen, 4% to 6% of a filler, 31% to 41% of a fine aggregate and 44½% to 59½% of coarse aggregate.

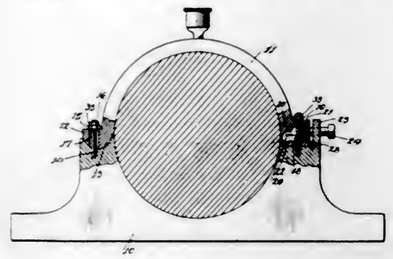
1,466,929. IGNITION APPARATUS. WILLIAM A. CHRYST, Dayton, Ohio, assignor to The Dayton Engineering Laboratories Company, Dayton, Ohio, a Corporation of Ohio. Filed Dec. 17, 1920. Serial No. 431,434. 5 Claims. (Cl. 200—22.)



4. In an ignition timer, the combination with a circuit interrupter; of a cam for operating the interrupter; and means for driving the cam including an engine driven shaft, a cam shaft supported by the engine driven shaft, an intermediate member supported by the cam shaft, speed responsive means connecting the engine driven shaft and the intermediate member for controlling the angular relation of said engine driven shaft and said member, and manually controlled means for connecting the intermediate member with the cam shaft and for controlling the angular relation between said member and cam shaft.

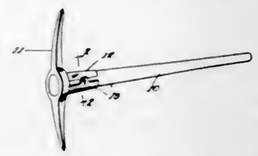
1,466,930. JOURNAL BEARING. LEON CIPRA, Kanopolis, Kans. Filed Dec. 12, 1921. Serial No. 521,720. 3 Claims. (Cl. 64—55.)

1. In a journal bearing having a box, a cap, and means for securing the cap on the box; a laterally slidable wedge inserted between said cap and box, said cap having a beveled surface adapted to engage said wedge, a seat being provided for said wedge in said box, a ledge on the box having threaded apertures, and set screws for said



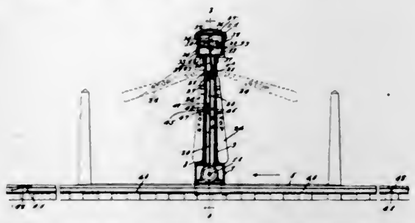
wedge engaging said apertures, said means comprising studs on said box, spherically faced nuts threaded on said studs, corresponding seats for the nuts and holes for the studs being provided in said cap.

1,466,931. PICK-HANDLE PROTECTOR. JOHN S. CURZON, Storrs, Utah. Filed June 24, 1922. Serial No. 570,606. 1 Claim. (Cl. 306—37.)



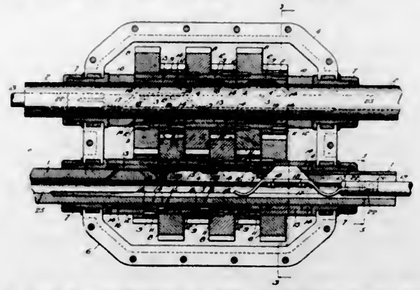
An adjustable tool handle protector comprising a pair of mating members of hard fireproof material, each member having a rectangular body and a pair of medial wings making the member symmetrical as regards its longitudinal and transverse axes, each wing provided with a series of perforations, the body being folded to conform with a portion of the transverse configuration of the handle, while said wings are adapted to overlap on the opposite sides of the handle, and said perforations selectively register in corresponding wings in accordance with the cross section of the handle, and fastening devices inserted through the registering perforations in said wings for securing said members to each other and to the handle.

1,466,932. SAFETY DEVICE. JAMES C. FARMER, Radford, Va. Filed June 13, 1923. Serial No. 645,133. 7 Claims. (Cl. 246—128.)



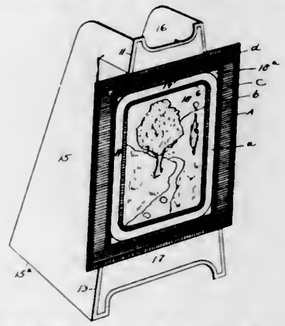
1. In a railway crossing signal, a supporting member, a housing disposed at the upper end of the supporting member and having guide members, a movable signaling member operating in the housing, a shaft supported in the supporting member, means for moving the shaft vertically in the supporting member, means for connecting the shaft to the signaling member to cause the signaling member to move within the housing, and a pair of vertically movable arms operated by the movement of the shaft.

1,466,933. SPEED-CHANGING GEARING. ROBERT A. FONTAINE, Martinsville, Va. Filed May 2, 1921. Serial No. 466,118. 15 Claims. (Cl. 74—59.)



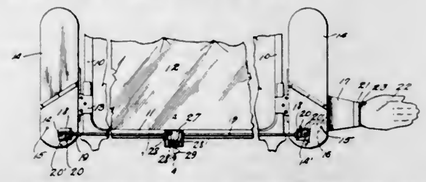
1. In a speed changing gearing, the combination with a plurality of revoluble parallel shafts, of a plurality of gears loosely mounted upon each shaft, means for maintaining said shafts against longitudinal movement, and means for selectively connecting each of said gears to the shaft upon which it is mounted, each of the gears upon one shaft meshing with a corresponding one of the gears upon the other shaft, and certain of the gears on each shaft being rigidly connected to rotate together.

1,466,934. PICTURE STAND OR SUPPORT. ALBERT J. GANZ, Los Angeles, Calif. Filed Mar. 28, 1923. Serial No. 628,293. 2 Claims. (Cl. 40—149.)



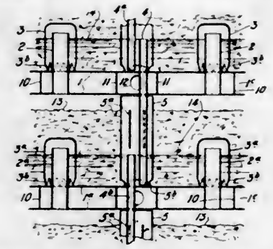
1. A device of the character described formed from a single sheet of material and cut and scored to form a rectangular frame panel having a sight opening formed therethrough, centrally thereof, an easel panel extending above and below the frame panel and narrower than the frame panel and tapering from the bottom upwardly and wings separated from the frame panel by cut lines and from the easel panel by scored lines to adapt said wings to be bent rearwardly along the opposite sides of the easel panel both above and below the frame panel.

1,466,935. AUTOMOBILE SIGNAL. FRANCISCO GARCIA, San Antonio, Tex. Filed Sept. 14, 1922. Serial No. 588,154. 2 Claims. (Cl. 74—39.)



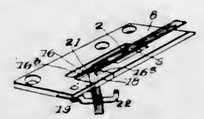
1. In an actuator a pair of movable members, longitudinally alined shafts operatively connected with the movable members at their outer ends, the inner ends of the shafts being spaced, a casing supporting the inner ends of the shafts and having slots, and a lever fixed on the inner end of each shaft and projecting through a slot in position to be operated independently or together.

1,466,936. ABSORPTION, REACTION, AND LIKE COLUMN. LÉON GAY, Grenoble, France. Filed May 26, 1919. Serial No. 299,835. 3 Claims. (Cl. 203—1.)



2. An absorption, reaction, distillation, rectification and like column, comprising a casing or shaft, a plurality of spaced horizontal plates or stages fixed therein, a plurality of vertical gas tubes arranged to project upwards from openings in the plates, hoods covering the gas tubes and provided with openings adjacent to the plates, a plurality of vertical tubes fixed in the plates for the passage of liquid between different plates the liquid tubes being arranged to project above and below the plates the part of any liquid tube projecting above its supporting plate being slightly shorter than the gas tubes and the part projecting below the plate extending to the vicinity of the plate situated immediately below, a sleeve resting on the plate and adapted to enclose at the same time the lower part of a liquid tube of an upper plate and the upper part of a liquid tube of the next lower plate the said sleeve being open at its upper end which comes into the immediate vicinity of the plate above and being formed with long and narrow vertical slots and in the lower part with wide openings at the place of contact with the lower plate and a filling material placed in the spaces between the plates to the level of the upper ends of the slots in the sleeves which surround the liquid tubes.

1,466,937. TAPE GUIDE FOR SEWING MACHINES. JOHN G. GERBER, Rochester, N. Y., assignor to Union Special Machine Company, Chicago, Ill., a Corporation of Illinois. Filed Aug. 22, 1919. Serial No. 319,259. 8 Claims. (Cl. 112—139.)



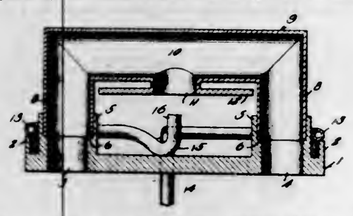
1. A sewing machine including in combination, a needle, a feed dog, a tape guiding member having a guiding slot located in advance of the needle, said slot being L-shaped and so disposed that one portion of the slot is parallel to the line of feed.

7. A sewing machine throat plate having a needle hole, a feed dog slot and a cut-away section, a plate adjustably mounted in said cut-away section, said plate being cut so as to form a tape guiding slot, the end of which may be adjusted by shifting said plate.

1,466,938. HYDROCARBON BURNER. WILLIAM ALFORD HARRIS, Gallatin, Tenn. Filed Nov. 21, 1922. Serial No. 602,364. 3 Claims. (Cl. 158—53.)

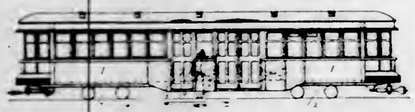
3. In a burner of the class described, a tray having oppositely disposed openings in the bottom thereof with

upstanding collars arranged therearound, a generator pipe mounted on the edge of said tray with one end extending through its bottom, and the other end extending upwardly to form a gas discharge, an inverted U-



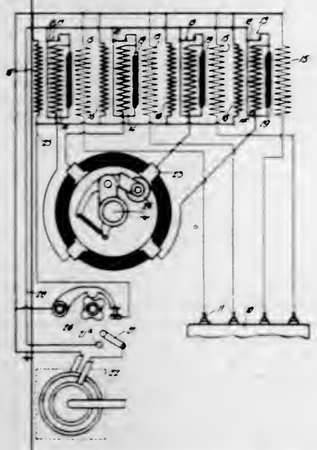
shaped manifold having the legs thereof seated in said collars with the branch pipe extending downwardly from its cross bar and opening above the discharge end of the generator pipe, and a deflector arranged on said branch pipe above said discharge end of the generator pipe.

1,466,939. PASSENGER CAR. DAVID WILLIAM HARVEY, Toronto, Ontario, Canada. Filed Oct. 10, 1922. Serial No. 593,549. 8 Claims. (Cl. 105—341.)



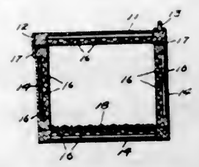
1. In a passenger car, a normal exit passageway, an entrance passageway, and a third passageway which is selectively used either as an entrance passageway or as an exit passageway, all closely adjacent, a door for each of said passageways and a conductor's station in close proximity to said passageways.

1,466,940. IGNITION SYSTEM. WILLIAM W. HAWKINS, Brooklyn, N. Y., assignor to Webster Electric Company, Racine, Wis., a Corporation of Wisconsin. Filed Feb. 20, 1922. Serial No. 537,987. 10 Claims. (Cl. 123—148.)



1. An ignition system including an ignition coil comprising a core, a primary winding, a secondary winding and a tertiary winding inductively related to said core, a vibrator influenced by said core and controlling the circuit of said primary winding, means for exciting said primary winding, and means for short circuiting the tertiary winding and for interrupting such short circuit.

1,466,941. ICE BOX. LUKE HOUZE, Stockton, Calif. Filed May 17, 1920. Serial No. 381,970. 1 Claim. (Cl. 215—13.)



An ice box having its respective walls formed from plates recessed to provide a marginal flange on the edges of each plate, corrugations formed within the flange and said plates having their flanges fused together in pairs with the corrugations of one plate transversing those of the other and thereby creating a partial vacuum between the corrugations for the purpose specified.

1,466,942. METHOD OF MANUFACTURING TIRES. KARL D. SAULPAW, Calhoun, Tenn. Filed Aug. 14, 1919. Serial No. 317,460. 1 Claim. (Cl. 154—14.)

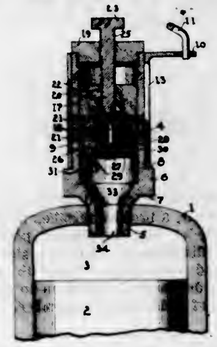


The method of manufacturing a pneumatic tire which comprises the steps of applying about an annular mandrel one or more plies of fabric material completely surrounding the mandrel both in the direction of its circumference and transversely, applying one or more plies of rubber stock about the applied fabric plies in such manner that the rubber layer will be thicker at and adjacent what is to constitute the tread side of the tire, treating the assemblage to partially cure and partially vulcanize the same, applying to the outer surface of the assemblage a layer of uncured rubber to completely enclose the assemblage, splitting the assemblage along the line of the inner circumference of the mandrel, removing the assemblage and turning the same inside out, bringing the edges of the assemblage together, uniting them, and building up upon the assemblage a plurality of plies of fabric completely surrounding the assemblange both circumferentially and transversely and one or more plies of rubber stock extending over the tread and side surfaces of the assemblage, and finally subjecting the whole to vulcanization.

1,466,943. AUTOMATIC IGNITION PLUG. PEARL V. BALL and ROBERT H. WALLER, Nashville, Tenn. Filed July 26, 1921. Serial No. 487,659. 9 Claims. (Cl. 123—143.)

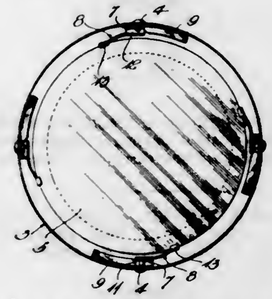
1. In an internal combustion engine, the combination with an engine cylinder, of an auxiliary cylinder in communication with the engine cylinder, a piston movable in the auxiliary cylinder provided with a bore constituting a firing chamber, said piston being adapted to be operated by the compressed gases in the engine cylinder, a stationary member mounted in the head of the auxiliary cylinder and projecting into said bore, a valve carried by the movable piston and controlling communication between the bore and the engine cylinder, said bore being adapted to receive gases from the engine cylinder

upon the suction stroke of the engine, escape ports provided in said auxiliary cylinder, and means for control-



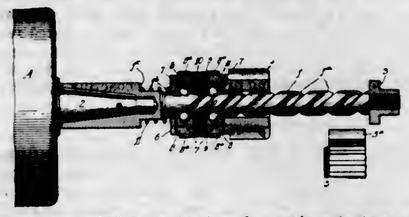
ling said ports for regulating the speed of the movable piston during the compression stroke of the engine.

1,466,944. HEADLIGHT-LENS HOLDER AND ANTI-RATTLER. CHARLES ORAH BAUGHN, Belleville, Ark. Filed Sept. 11, 1922. Serial No. 587,491. 2 Claims. (Cl. 240—41.)



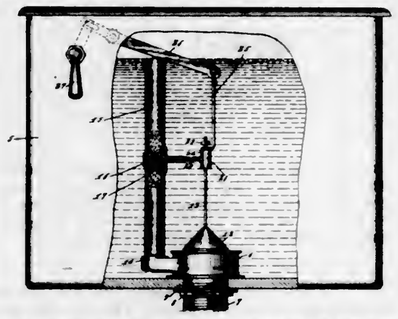
1. A device of the class described comprising a single metal stamping embodying a relatively wide central portion having resilient arms extending from it in opposite directions, said central part being bent upon itself to form a U-shaped attaching member, one of said arms being disposed in the same plane with one wall thereof said arm being bent at its free end to engage a lens, and the other arm being bowed longitudinally and bent to extend at right angles to said wall.

1,466,945. ENGINE STARTER. VINCENT BENDIX, Chicago, Ill. Filed Dec. 17, 1917, Serial No. 207,458. Renewed Jan. 31, 1923. 7 Claims. (Cl. 74—7.)



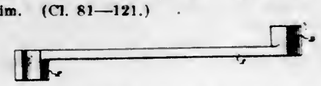
1. A transmission mechanism for engine starters comprising a rotatable shaft having a spiral groove thereon, and a driving member mounted on the shaft for longitudinal movement thereon and rotary movement therewith, and comprising a body portion having means for engagement with a part of the engine to be started, and also an end extension provided with a bore to receive the shaft and carrying a series of balls projecting into such bore and cooperating with said groove.

1,466,946. FLUSH VALVE. HERMAN BRUNKA, Marion, Ind. Filed Sept. 29, 1922. Serial No. 591,331. 1 Claim. (Cl. 4—5.)



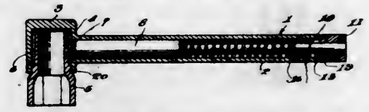
In a device of the character described, a valve body, a removable glass valve seat supported by the valve body and having an overflow opening, a glass overflow pipe positioned in the overflow opening, said overflow pipe having a roughened surface, a band secured to the overflow pipe at the roughened surface thereof, an arm supported by the band and carrying a bearing member, a glass bearing in the bearing member, a ball valve cooperating with the removable valve seat, and a controlling rod having connection with the ball valve and movable through the glass bearing member.

1,466,947. WRENCH. CLARENCE ROSS BRYANT, Chicago, Ill. Filed Dec. 18, 1920. Serial No. 431,665. 1 Claim. (Cl. 81—121.)



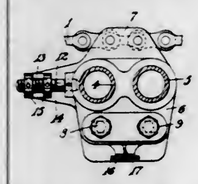
A wrench comprising a handle, a solid polygonal turning head on each end of said handle, the head on one end of the handle projecting in the opposite direction from the handle from the head upon the other end, the angular faces of the head at one end of the handle being disposed at an angle to the angle of the faces of the other head equal to substantially one half of the degree of the angle of the faces on each head one to the other.

1,466,948. RATCHET WRENCH. CLARENCE ROSS BRYANT, Chicago, Ill. Filed Jan. 3, 1921. Serial No. 434,729. 1 Claim. (Cl. 81—60.)



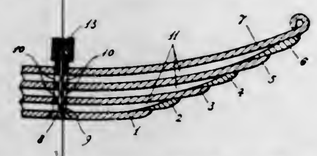
In a ratchet wrench, a tubular handle, a head on one end of the handle, a socket wrench having a ratcheted portion rotatably seated in said head, a pawl rotatable and longitudinally movable in said handle, a spring urging said pawl into operative position relative to said ratcheted portion, a head connected to said pawl for withdrawing the pawl from operative relation with said ratcheted portion, a cylindrical portion on said head and extended into said handle, a pin carried transversely by said handle, said cylindrical portion provided with slots extending longitudinally therein from its inner end and adapted to receive said pin to limit inward movement of the cylindrical portion into the handle.

1,466,949. SHEET-DELIVERY MECHANISM OF PRINTING MACHINES. ARTHUR VICTOR BUGLER and THOMAS EDWARD DELAFONS, London, England, assignors to Linotype and Machinery Limited, London, England, a Company of Great Britain. Filed Oct. 23, 1922. Serial No. 596,289. 6 Claims. (Cl. 271—79.)



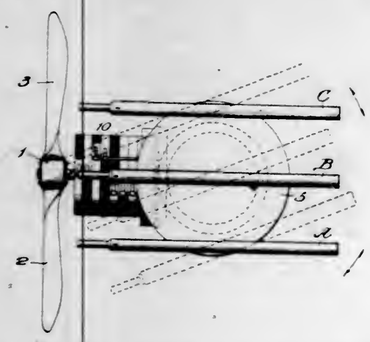
1. In a sheet-delivery mechanism for printing machines, the combination with an endless chain and a sheet-gripper shaft carried by said chain, of means whereby said gripper shaft is secured to the chain with a capacity for adjustment forwardly and backwardly thereon.

1,466,950. LAMELLAR CARRIAGE SPRING. ROBERT BURGER-WEBER, Burg, Switzerland. Filed Oct. 21, 1922. Serial No. 596,159. 2 Claims. (Cl. 267—50.)



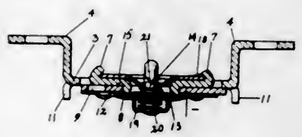
1. In the herein-described lamellar carriage-spring, the combination, with a series of leaf-springs of which every other one is provided with a longitudinally disposed groove, of a bolt mounted centrally of the leaf-springs and extending therethrough, the said bolt having a bore and slots communicating with the corresponding grooves in the leaf-springs, and means to cause a lubricant to be pressed through the said bore and slots into the grooves.

1,466,951. FIRE-CONTROL MEANS FOR AIRCRAFT MACHINE GUNS. DANIEL G. EDWARDS, Hopkinsville, Ky., assignor to J. Anstin Stone, Washington, D. C. Filed Mar. 29, 1919. Serial No. 286,131. 21 Claims. (Cl. 89—27.)



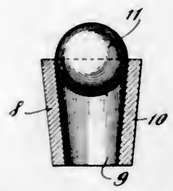
1. A circuit closer comprising a rotary disc of conducting material, a second rotary disc of insulating material and capable of rotary speed equal to the first disc, a conducting insert recessed into said insulating disc, and a pair of brushes adapted to bear upon the peripheries of said discs and adapted to be oscillated in the arcs of circles and relative to said discs.

1,466,952. ADJUSTABLE SUPPORT. CHARLES A. LINDBERG, Sturgis, Mich., assignor to Sturgis Steel Go-Cart Company, Sturgis, Mich. Filed Oct. 1, 1920. Serial No. 414,098. 7 Claims. (Cl. 296—110.)



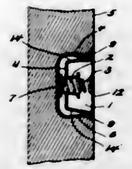
7. In a structure of the class described, the combination of a supporting plate, a bracket member pivotally mounted on the outer side of said supporting plate, a dog supporting member disposed on the rear side of said supporting plate and engageable therewith by a rotative movement, and a dog mounted thereon to coact with, and disposed axially of said bracket member.

1,466,953. METHOD OF WORKING METAL. EVARTS G. LOOMIS, Newark, N. J. Filed Oct. 8, 1920. Serial No. 415,570. 3 Claims. (Cl. 29—149.5.)



1. The method of finishing a hole in a metal member, which method consists in passing a spherical tool through the hole to be finished and thereafter broaching the hole.

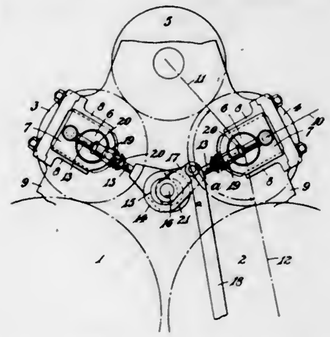
1,466,954. DOOR BUFFER. JAMES C. OLLARD, Cleveland, Ohio. Filed Oct. 27, 1920, Serial No. 419,957. Renewed Jan. 6, 1923. Serial No. 489,050. 11 Claims. (Cl. 16—85.)



9. A buffer of the class described including a casing constructed of a single piece of sheet metal angularly bent to form four vertical walls and top and bottom horizontal walls, the sheet metal being split at the side edges of the top and bottom walls and the latter being provided with integral attaching ears having anchoring lugs, said casing being also provided at the vertical walls with terminal portions, one of the terminal portions having spaced projections and the other terminal portion having a tongue of extension passing between the projections, said lugs and tongue or extension being provided with coacting interlocking notches.

1,466,955. MEANS FOR TRIPPING THE CYLINDERS OF ROTARY PRINTING PRESSES. THOMAS ROBERT GILLETT PARKER, Altrincham, England, assignor to Linotype and Machinery Limited, London, England. Filed Dec. 30, 1921. Serial No. 525,908. 5 Claims. (Cl. 101—177.)

1. In a rotary printing press in which a transversely-movable cylinder of a given diameter is tripped relatively to two other cylinders with which it co-operates, and whose respective diameters are one and the same as, and the other a multiple of that of the first-named cylinder, the combination with the fixed frame in which the said two other cylinders rotate about relatively stationary axes,



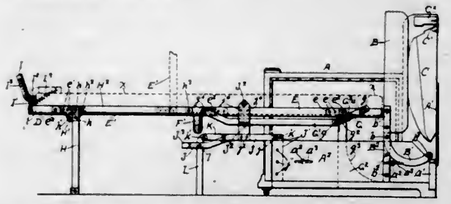
of a rectilinear guide in the frame in which the shaft of the first-named cylinder is capable of moving with its axis always along a line which bisects the angle subtended by lines drawn through the axes of the said three cylinders.

1,466,956. METHOD OF AND APPARATUS FOR SUPPLYING WATER TO IRRIGATION DITCHES. GEORGE THOMAS PETERS, Columbus, N. Mex. Filed Nov. 8, 1922. Serial No. 599,724. 1 Claim. (Cl. 61—11.)



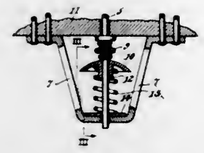
An apparatus of the character described comprising a ditch head consisting of a perforated pipe having its end closed, said ditch head being located in the water bearing sand of the river bed, a piling driven in the river bed and connected with the perforated pipe for holding the same in position, a packing of gravel extending around the perforated pipe, said perforated pipe being arranged on a gradient in said river bed, and a conduit leading from the perforated pipe to the irrigation ditch to be supplied with water, said conduit having an inclination sufficient to conduct the water from the ditch head to the irrigation ditch.

1,466,957. COMBINED DAVENPORT AND BED. JOHN PFENDNER, Chicago, Ill., assignor to Samuel Rusnak, Chicago, Ill. Filed Sept. 2, 1919. Serial No. 321,081. 5 Claims. (Cl. 5—31.)



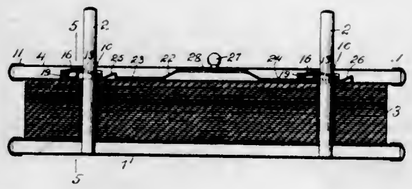
1. In a combined davenport and bed, a davenport frame, and a standard rigidly secured to said frame, said standard provided with a curved track on one side thereof, in combination with a bed frame consisting of a head and a foot rail and side rails, said side rails comprising a plurality of angle irons and means to pivotally join adjacent ends thereof, levers pivotally joined, one of said levers pivotally attached to one of said angle irons, and the other provided with a slot, an abutment, (d'), rigidly secured to an additional one of said angle irons and movable in said slot, and an additional bolt rigidly secured to said slotted lever and adapted to co-act with the upper end and curved track of said standard.

1,466,958. SAFETY-BRAKE OPERATING MEANS FOR FREIGHT AND PASSENGER CARS. STANLEY P. PIETSZAK, Buffalo, N. Y. Filed June 19, 1920, Serial No. 390,291. Renewed Jan. 31, 1923. 3 Claims. (Cl. 74—112.)



1. In combination with the vertical brake shaft of hand car brakes having a downwardly narrowing bracket at its lower end with the base of the bracket below the point of attachment of the chain of the brake to said shaft, of means for causing said chain to be wound up around the brake shaft when the latter is rotated instead of down whereby wedging of the chain in the bracket is prevented, said means comprising a disk slidably mounted upon the lower end of said shaft and normally yieldingly elevated.

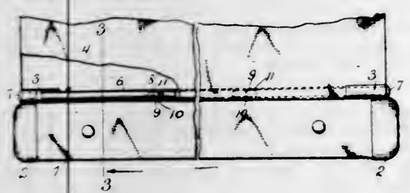
1,466,959. LOOSE-LEAF BINDER AND THE MAKING OF SAME. FREDERICK D. PITT, Kansas City, Mo., assignor to Irving-Pitt Manufacturing Company, Kansas City, Mo., a Corporation of Missouri. Filed Sept. 30, 1921. Serial No. 504,267. 13 Claims. (Cl. 129—12.)



3. In a binder, the combination with a leaf-supporting post, of a leaf-clamping member slidable thereon, a support carried by the clamping member and having a shoulder and a projection extending from said shoulder, a post-clamping member pivotally supported on said shoulder and having a hole into which said projection extends and which has engagement with said post such that it will clamp the post and hold the leaf-clamping member from sliding on the post in one direction but will permit it to slide in the other direction, a spring for normally forcing the post clamping member to the clamping position, and manually operated means for forcing the post-clamping member from the clamping position, substantially as set forth.

8. A leaf-clamping member of a loose leaf binder comprising a metal sheet formed into a tube having interlocking meeting edges and having extending from one of the meeting edges a projection formed into a pintle tube, substantially as set forth.

1,466,960. HINGE MECHANISM FOR BINDER COVERS AND THE LIKE. WILLIAM P. PITT, Kansas City, Mo., assignor to Irving-Pitt Manufacturing Company, Kansas City, Mo., a Corporation of Missouri. Filed Sept. 19, 1921. Serial No. 501,525. 6 Claims. (Cl. 129—12.)



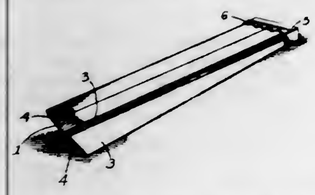
4. In a device of the kind described, a leaf-clamping member having at one longitudinal edge a pintle barrel, a cover member adapted for swinging relationship to said clamping member and having at one edge a pintle barrel in alinement with the pintle barrel of the clamping member, and a pintle adapted to be mounted in one of said barrels and adapted for insertion in the other pintle barrel, the latter having means arranged to engage the pintle to hold the pintle from withdrawal therefrom, substantially as set forth.

1,466,961. VACUUM-SUPPORTING DEVICE. JOSEPH H. PRIM, Saginaw, Mich., assignor of one-fourth to Floyd E. Prim, Saginaw, Mich. Filed May 31, 1921. Serial No. 473,759. 1 Claim. (Cl. 248—39.)



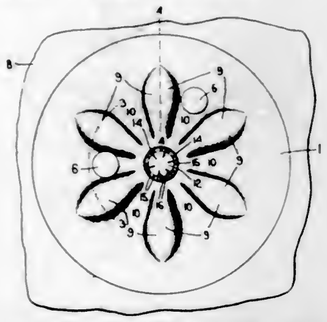
In a vacuum supporting device including a vacuum cup formed with a boss, a spring metal plate, said plate formed with four outwardly and downwardly projecting spring arms thereon, each arm formed with a laterally projecting elongated foot, each foot formed with a lifting niche therein, and a hook on said plate near one end of each of said spring arms, a washer received on said boss, the circumferential edges of said washer flanged upwardly and adapted to receive and wedge a cord between said washer and the top of said boss.

1,466,962. RECEPTACLE. RICHARD S. REYNOLDS, Louisville, Ky. Filed Aug. 10, 1920. Serial No. 402,688. 3 Claims. (Cl. 229—3.1.)



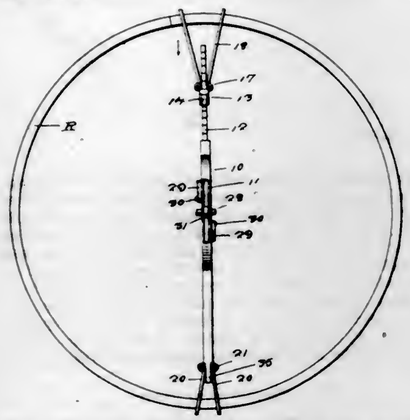
1. A receptacle of the class described including a sheet of flexible metallic material, a sheet of absorbent paper of the same size and shape as the flexible metal attached to the metal sheet and both sheets being folded to provide prismatic bodies united apex to apex with the paper upon the interior, a reinforcing strip secured to the base of each of said bodies upon the interior of the paper by means of suitable adhesive material to form a concealed air tight closure, a cap member secured to one end of the body for closing the same and the other end of said body being closed by folding the side and end walls inwardly upon each other.

1,466,963. AMUSEMENT DEVICE. HERBERT N. RIDGWAY, Winthrop, Mass. Filed Apr. 27, 1921. Serial No. 464,840. 5 Claims. (Cl. 46—27.)



2. In an amusement device, the combination with a rotary platform, of a plurality of passenger-carrying cars thereon and each adapted to travel freely in any direction, said platform having radially-arranged raised portions with valleys between them of sufficient size to receive the cars.

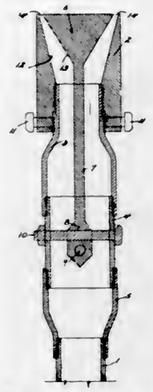
1,466,964. RIM TOOL. GEORGE E. SALL, Greeley, Colo. Filed Feb. 13, 1922. Serial No. 536,245. 4 Claims. (Cl. 157—1.)



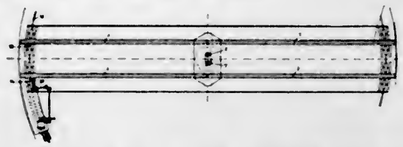
1. A tire tool comprising a casing, a longitudinally movable bar, rim engaging elements at one end of the bar, rim engaging elements at one end of the casing, a gear mounted for rotation within the casing and engageable with teeth formed on the bar, a segment engageable with the gear, whereby the latter may be operated to move the bar in one direction and means for locking the segment and gear together, whereby the bar may be moved in an opposite direction.

1,466,965. BLOWER NOZZLE. AUGUST GREY SAVAGE, Eldorado, Ark. Filed Oct. 19, 1922. Serial No. 595,587. 3 Claims. (Cl. 162—8.)

1. In a device of the class described, in combination, a nozzle tip having a diverging inner wall, a spreader disposed concentrically within the nozzle tip and having a wall, diverging from a single unitary supporting stem said walls being convergent toward each other to produce a restricted fluid outlet, means for adjusting the nozzle tip axially, and means for locking it in adjusted position.

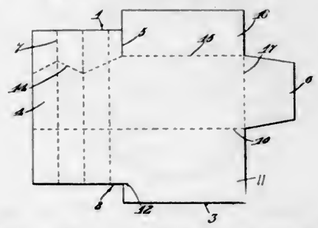


1,466,966. TURNTABLE. HANS SCHÜTTE, Rheine, Germany, assignor to the Firm of Rheiner Maschinenfabrik Windhoff Aktiengesellschaft, Rheine, Westphalia, Germany, a Corporation of Germany. Filed Aug. 29, 1921. Serial No. 496,624. 5 Claims. (Cl. 104—35.) (Granted under the provisions of the act of Mar. 3, 1921, 41 Stat. L., 1313.)



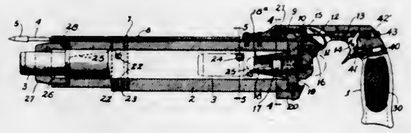
1. In a turn-table in combination main-girders, which are divided in the middle of their length above the center-bearing, a center-bearing, a support, arranged turnable on the center-bearing and flexible connecting-means, which are supported by and fastened to the support in a plane, which is perpendicular to the longitudinal axis of the turn-table, and which means are fastened to the lower-sides of the central ends of the main-girders, in such a way, that outside of the theoretical line of contact between the support and the girder-ends the connecting-means will turn round the ends of the girders, whilst inside of the said theoretical line of contact the connecting-means will turn round the surface of the support.

1,466,967. GUARD FOR TOOTHBRUSHES. FRANK SHUMAN, Long Beach, Calif. Filed Oct. 27, 1922. Serial No. 597,370. 1 Claim. (Cl. 229—75.)



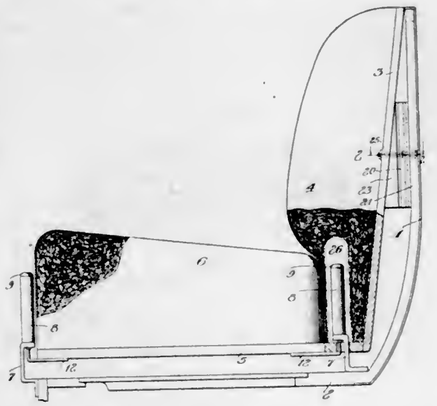
A tooth brush cover comprising a flexible blank, provided at one end with corner notches, forming a body and a reduced tongue at said end of the body, the body having a transverse slit located at the inner end of one notch, the body being supplied at its opposite end with a reduced lip of less width than the tongue, the tongue being folded repeatedly along transverse lines to form a multi-layer rib, the slit serving to free one end of the rib; the body and the tongue being folded along a line extended longitudinally of the body and the tongue and transversely of the rib, to define a first flap wherein the angle of one notch is located, the free end of the rib being folded into said notch along a diagonal line to overlap the flap; the body being folded along a longitudinal line, terminating at the inner end of said slit to form a second flap which is overlapped upon the free end of the rib and upon the first flap, the lip being folded along a transverse line, and being overlapped upon both flaps.

1,466,968. RIVETING HAMMER. PERCY R. SMITH, Washington, D. C. Filed Apr. 1, 1921. Serial No. 457,765. 4 Claims. (Cl. 123—7.)



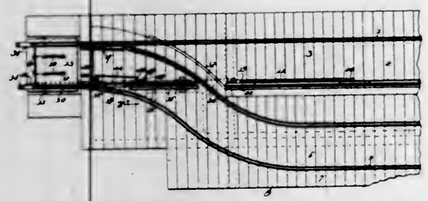
1. In a mechanism of the class described, the combination of a barrel, a cylindrical-like casing extending into the barrel at one end, a hammer-die provided with a hollowed, inner end adapted to move over the cylindrical-like casing, and means for exploding a cartridge or explosive charge in said cylindrical-like casing.

1,466,969. AUTOMOBILE SEAT. GEORGE WENDLING STAFFORD, Rochester, N. Y. Filed Nov. 22, 1921. Serial No. 517,094. 4 Claims. (Cl. 155—53.)



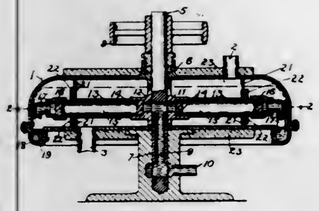
1. In a vehicle seat, the combination with a vehicle frame and a plurality of vertical tubular spring casings carried thereby, of a seat, rigid brackets on the seat extending into the spring casings and terminating in cap pieces, plugs in the upper ends of the casings, tension springs in the latter having their upper ends supported from the plugs, and their lower ends connected to the cap pieces to support the same, and compression springs arranged in the bottoms of the casings and adapted to take the thrust of the cap pieces when the tension springs are abnormally flexed.

1,466,970. DUMPING MECHANISM FOR DUMP CARS. ROBERT H. STARBIRD, Pittsburgh, Pa., assignor of one-third to Leo Bernard Gratton, Madera, Pa. Filed Feb. 28, 1921, Serial No. 448,694. Renewed Feb. 7, 1923. 7 Claims. (Cl. 214—50.)



1. In a car dumping and switching mechanism, an inclined track for the support of a dump car to be loaded, a dumping platform at the lower end of said track and provided with rails to register with the rails of said track, a second track offset to the side of the first track and provided with curved rail sections merging toward and in alignment with the rails of said platform, the second track being inclined from the platform in an opposite direction to the first track with its lower end below and to one side of the higher end of the first track, a rail supporting beam including a rail pivotally supported between the curved rails of the second track, with one end in registration with a section of one of the rails of the first track, and its other end normally below another section of one of the rails of the first track, gravity retained means for holding the rail supporting beam tilted to its lowermost position, and adapted to be actuated by a dump car against the action of the gravity retained means for raising the rail supporting beam and its rail section to a position to register with the rails of the first track, said treadle having rail sections to splice the rail section of the rail supporting beam and one of the rails of the first track, whereby the dump car may travel toward and upon the platform.

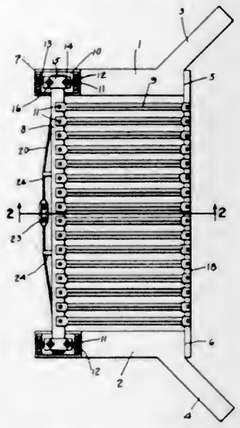
1,466,971. ART OF REFRIGERATION. ALFRED C. STEWART, Los Angeles, Calif. Filed Oct. 30, 1920. Serial No. 420,583. 4 Claims. (Cl. 62—178.)



1. The process of refrigeration which consists in revolving an expansion chamber which extends radially with respect to the center of revolution, admitting an expansionable medium through a porous body to the inner end of said expansion chamber, and withdrawing such medium from said chamber through a porous body at the outer end of said chamber, the medium being subjected to expansion and consequent cooling by reason of the greater centrifugal force at the outer end of said chamber as compared with that at the inner end thereof.

1,466,972. WATER-BED FENCE. RUBY P. STINE, Adams, Ind. Filed Sept. 30, 1921. Serial No. 504,361. 7 Claims. (Cl. 256—13.)

1. In a water bed fence construction, a plurality of inclined bars having their lower ends extending upstream, abutments at each side of the group of bars, plates resting upon and secured to parts of said abutments for receiving the ends of said support, a support for the



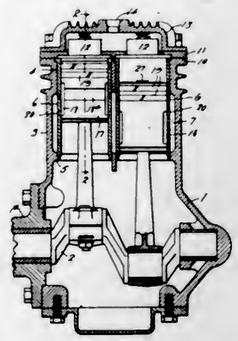
opposite ends of said bars associated with said plates, and means for adjusting said support vertically for controlling the angle of said bar.

1,466,973. METHOD FOR THE MANUFACTURE OF LENSES. MITSUO TAKANASHI, Tokyo, Japan. Filed June 25, 1921. Serial No. 480,433. 2 Claims. (Cl. 49—77.)



1. A method for the manufacture of lens, consisting in inserting a piece of glass into a circular hole formed in a plate of refractory material, then heating the same to such an extent that said glass piece is molten to a viscous condition and is shaped to a lens having partial spherical surfaces by the action of its surface tension.

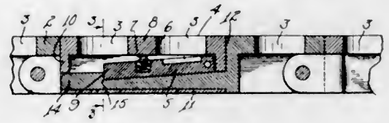
1,466,974. COMPRESSOR. SAMUEL H. TODD, Detroit, Mich. Filed Mar. 18, 1921. Serial No. 453,485. 1 Claim. (Cl. 230—27.)



In a compressor, the combination with a cylinder having an inlet space in the wall thereof and a port from said space into the interior of the cylinder, of a piston in the cylinder, said piston having an external annular

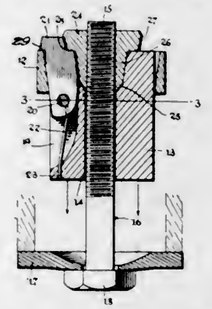
recess around the same registering at all times with said port, passages extending upwardly and inwardly from the upper end of said recess and opening thru the top of the piston, and a flap valve fastened to the top of the piston and controlling said openings.

1,466,975. CLASP FOR BRACELETS. KARL L. TOELCKE, AATE MIKKOLA, and LEON SHAPIRO, Chicago, Ill. Original application filed Oct. 9, 1922, Serial No. 593,455. Divided and this application filed Jan. 11, 1923. Serial No. 612,103. 1 Claim. (Cl. 24—230.)



A clasp for a bracelet consisting of a casing having substantially the same configuration as the links of said bracelet, and having one end thereof open, said clasp member being adapted to be secured to one of the free ends of said bracelet, a spring pressed latch lever disposed within said casing, a bell crank secured to said casing and having engagement with said latch lever, whereby said latch lever may be actuated at will, a second latch member arranged to be secured to the opposite free end of said bracelet, said second named clasp member being provided with a tongue having a latch tooth at the outer end thereof and adapted to enter said casing through the open end thereof and to engage with said latch lever, whereby said clasp members may be secure from unintentional separation.

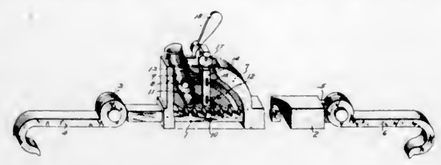
1,466,976. PULLER FOR SLEEVE BEARINGS. CLYDE W. TRACY, Visalia, Calif. Filed Jan. 10, 1922. Serial No. 528,158. 5 Claims. (Cl. 29—85.)



1. A device of the character described, comprising a cylindrical block adapted to be disposed within a bearing sleeve, a plurality of dogs pivoted to the inner end of said block and adapted to be expanded for engaging the bearing sleeve and locking the same to the block, a screw bolt extending through said block centrally thereof, a plug threaded upon the inner end of said screw when said screw is turned in the proper direction adapted to engage said dogs for expanding the same, and also adapted to move the block and dogs upon said screw bolt, means for holding said screw bolt against movement in an inward direction whereby with the turning thereof in the proper direction the bearing sleeve may be pulled or removed.

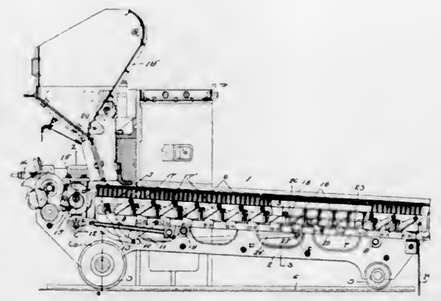
1,466,977. CHAIN JACK. JOHN S. TREMAYNE, Long Beach, Calif. Filed Aug. 16, 1921. Serial No. 492,647. 1 Claim. (Cl. 254—71.)

A chain jack comprising a sleeve, a rack bar slidably mounted within said sleeve, a hook pivotally mounted on said sleeve, a pawl mechanism mounted on said sleeve for retracting



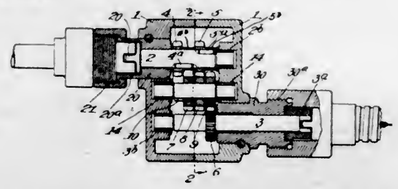
said rack bar within said sleeve, lock means to hold said bar and said sleeve in expanded position, and means to place said lock means in inoperative position.

1,466,978. MECHANICAL STOKER. KICHIRO USUI, Shizuoka-Ken, Japan. Filed Nov. 15, 1919. Serial No. 338,208. 1 Claim. (Cl. 110—40.)



In a mechanical stoker, supporting rails, grate bars mounted for sliding movement on said rails, conveyor rails arranged below the supporting rails, elements at the rear ends of the supporting and conveyor rails, presenting downwardly and forwardly inclined surfaces to cause grate bars, as they successively leave the rear ends of the supporting rails to be directed by said inclined surfaces downwardly and forwardly onto the rear portions of the conveyor rails, downwardly and forwardly inclined pivoted pawls bearing at their lower ends on said conveyor rails, a reciprocating element having plates with inclined upper sides, to facilitate the passage of grate bars thereover and on the forward strokes of said element to engage and move the dropped grate bars forwardly, step-by-step, means at the front ends of the supporting and conveyor bars, to successively raise the grate bars from the conveyor bars, and means to force the raised grate bars rearwardly on the supporting bars.

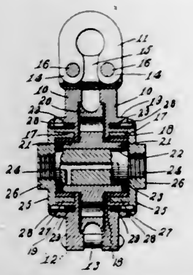
1,466,979. POWER-TRANSMITTING CONNECTIONS AND ADAPTER. FREDERIK G. WHITTINGTON, Evanston, Ill., assignor to Stewart-Warner Speedometer Corporation, Chicago, Ill., a Corporation of Virginia. Filed May 6, 1922. Serial No. 558,844. 4 Claims. (Cl. 74—59.)



1. A power transmitting connection comprising a housing and two shafts journaled therein and exteriorly ac-

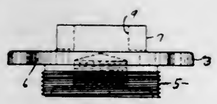
cessible for coupling, one shaft having two gears engaged therewith for one-way-driving respectively in opposite directions, the other shaft having a positively carried gear; a countershaft and gear means thereon in driving engagement with the last mentioned gear and with one of the gears on the first mentioned shaft; a second countershaft and gear means thereon in driving engagement with the other gear on the first shaft and also with the gear on the first countershaft; whereby rotation of the first mentioned shaft in either direction produces rotation of the other of said shafts always in the same direction.

1,466,980. PULLEY BLOCK AND BEARING. THOMAS K. WILSON, Kerry, Oreg. Filed May 27, 1922. Serial No. 564,128. 2 Claims. (Cl. 254—192.)



1. A block comprising a pair of side plates secured in spaced parallel relation and provided with a hanger, said side plates being each formed with a recess having a hole therein, the recess being bounded by a flange, a pulley disposed between the side plates and formed with oppositely extending hubs journaled in said holes, the pulley being formed with a bore passing through the hubs, an axle disposed within said bore and having its ends reduced and threaded, and a nut member disposed on each threaded extension, each nut member having an angular tool engaging face and being formed with a flange spaced from the axle and received within one of said recesses in engagement with the first named flange and the outside of the associated hub.

1,466,981. BARREL PLUG. BENJAMIN F. WOODS, Houston, Tex. Filed Oct. 8, 1921. Serial No. 506,259. 1 Claim. (Cl. 217—112.)



A plug, one end of which is formed with an outwardly threaded neck adapted to screw into the inlet opening of a barrel, an annular flange formed integrally with the plug and adapted to fit against said barrel when the plug is screwed home, a boss formed integrally with the outer end of said plug, said boss having a transverse groove and a central polygonal socket.

1,466,982. DENTIFRICE AND FLOSS CONTAINER. THEODORE A. BAILEY, Orlando, Fla. Filed Oct. 20, 1922. Serial No. 595,794. 5 Claims. (Cl. 132—79.)

5. A floss and dentifrice container comprising means to provide a floss compartment and a dentifrice compartment, the latter arranged rearwardly of the former, means whereby the floss is impregnated by the dentifrice during the discharge of the latter from its compartment, a closure for the floss compartment, said closure provided with an opening for the passage of the floss and dentifrice,

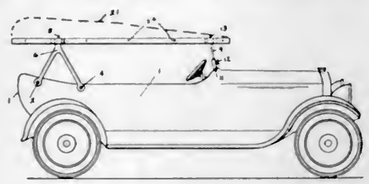


and a cover for said closure, said closure provided with inherent means to constitute a cutter for severing the floss in lengths desired and further having inherent means for spacing the cover therefrom.

1,466,983. INSECTICIDE AND METHOD OF MAKING SAME. EDWIN O. BARSTOW and PAUL COTTRINGER, Midland, Mich., assignors to The Dow Chemical Company, Midland, Mich., a Corporation of Michigan. Filed Sept. 1, 1920. Serial No. 407,449. 14 Claims. (Cl. 23—13.)

1. In a method of making magnesium arsenate, the steps which consist in causing a reaction between arsenic acid and a magnesium compound capable of forming the arsenate therewith, and subjecting the resulting mixture in an autoclave to a temperature above the boiling point of water.

1,466,984. AUTOMOBILE CAMP BED AND MEANS FOR CARRYING SAME. JOHN F. BLASAUF and LAURENCE V. HOSE, San Francisco, Calif. Filed Aug. 11, 1921. Serial No. 491,417. 1 Claim. (Cl. 296—23.)



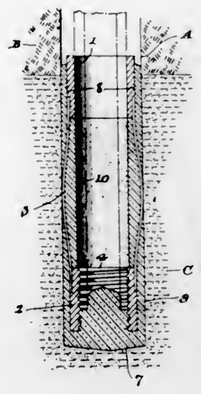
In combination with an automobile body having a windshield, a frame adapted to engage said wind shield and provided with upstanding studs, brace supports in form of an inverted Y, the legs of the Y adapted to engage stud bolts on said body, the stem of said Y provided with an upstanding stud; and a bed frame provided with bearings adapted to engage all of said upstanding studs, and be supported in the normal position of the vehicle top, whereby said bed frame may serve as the vehicle top during transport and be removed to serve as a bed.

1,466,985. BUILDING BLOCK. WILLIAM BRIDDES, Darby, Pa. Filed Oct. 31, 1922. Serial No. 598,091. 5 Claims. (Cl. 72—21.)



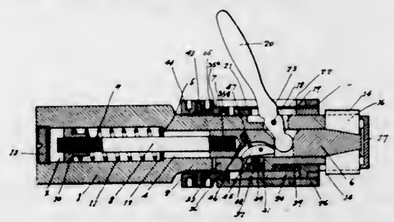
1. A building block comprising a flat body with top and bottom longer than its ends, each end having a groove throughout its length, and rectangular projection on the rear face of the block with their outer faces flush with the ends of the body and their top and bottom faces spaced from the top and bottom.

1,466,986. CENTERING AND CEMENTING DEVICE. JOHN P. BURGHER, Long Beach, Calif. Filed June 19, 1922. Serial No. 569,520. 7 Claims. (Cl. 166—13.)



1. A cementing device for wells comprising hollow cylindrical end portions, and outwardly bowed spring metal strips connecting the same.

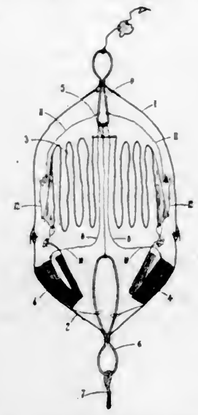
1,466,987. AUTOMATICALLY-COLLAPSIBLE TAP. JACOB E. CAIN and FRANK A. FALKENBACH, Columbus, Ohio; William Zimmerer, administrator of the estate of said Frank A. Falkenbach, assignor of the entire interest of said Frank A. Falkenbach to Elanor Falkenbach. Filed Feb. 25, 1919. Serial No. 279,098. 11 Claims. (Cl. 10—145.)



1. A collapsible tap comprising a stock, a plunger, bits adjustably carried by said plunger, and means for automatically locking said plunger directly to said stock at variable positions of adjustment to vary the positions of the bits.

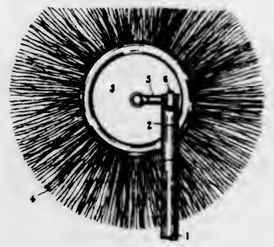
1,466,988. PARACHUTE. EVERARD RICHARD CALTHROP, London, England, assignor to E. R. Calthrop's Aerial Patents Limited, London, England. Filed Oct. 23, 1919. Serial No. 332,799. 2 Claims. (Cl. 244—21.) (Granted under the provisions of the act of Mar. 3, 1921, 41 Stat. L., 1313.)

1. A parachute, a container and means for launching said parachute comprising a plurality of rupturable cords one end of each of which is attached to one of a series of tapes connected to a suspension member which serves for attaching the container to the aerial craft and the other end of each of which is attached to the peripheral edge of the parachute, said tapes being of a length which is less than the distance from the centre of the parachute body to its periphery and serving to positively open portions of the peripheral edge of the parachute and the cords connected to said tapes being ruptured by



the weight of the falling load to release the mouth and permit of the complete expansion of the parachute body.

1,466,989. POLISHING MOP OR THE LIKE. HARRY ROBERT CHICK, Hamble, and FRANK OXLEY HELLIWELL and WILLIAM PLUMBRIDGE, Folkstone, England. Filed Jan. 31, 1921. Serial No. 441,498. 7 Claims. (Cl. 15—229.)



1. A polishing mop or the like comprising a handle, an angularly extending arm thereon, a disc rotatably mounted on said arm and adapted to be reciprocated on one face thereof mopping material on said disc, and means for applying the pressure exerted in reciprocating said disc eccentrically to said disc to rotate the same as it travels.

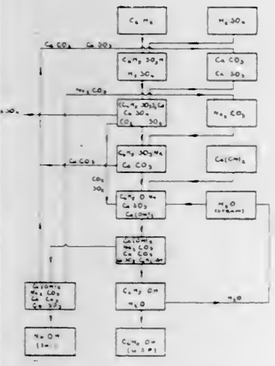
1,466,990. SNAP FASTENING. BARNEY COOPER, Chicago, Ill. Filed Aug. 25, 1921. Serial No. 495,248. 1 Claim. (Cl. 24—102.)



In a snap fastener comprising a female member having a base disc formed with a head receiving opening located centrally therein, a sleeve having inwardly sloping sides positioned about said opening and attached to said base disc, an outer tube provided with spaced inwardly extending fingers, an inner tube spaced from said

outer tube and slidable therein formed with a peripheral notch adjacent its upper end and a circumferential shoulder adjacent its lower end, said inner tube having oppositely disposed slots, a washer securely held in said peripheral notch, split ring sections disposed within the slots of said inner tube and the sloping walls of the sleeve, a coil spring positioned about said inner tube and contacting the circumferential shoulder at its lower end, a washer disposed about said inner tube adjacent the inwardly turned fingers on the outer tube and between same and the end of said spring, a male member having a head thereon provided with an annular groove adapted to be engaged by said split ring sections and rigidly held when said male member is in position within the female member.

1,466,991. PROCESS FOR MAKING PHENOL. PAUL COTTRINGER, Midland, Mich., assignor to The Dow Chemical Company, Midland, Mich., a Corporation of Michigan. Filed Apr. 25, 1918. Serial No. 230,641. 6 Claims. (Cl. 260—154.)



1. In a method of making phenol, the steps which consist in decomposing with a current of steam and dioxide gas capable of reacting with a phenate a phenate corresponding with the phenol desired, so as to free such phenol; and removing and condensing the resulting vapor as fast as such phenol is formed.

1,466,992. PIN-INSERTING TOOL. DANIEL A. CRAUN, Orange, Va. Filed Mar. 7, 1922. Serial No. 541,718. 2 Claims. (Cl. 29—86.1.)



1. A tool of the character described, including a tube, a rod slidable therein, and a threaded nipple serving as a gauge to regulate and determine the extent of slide of the rod.

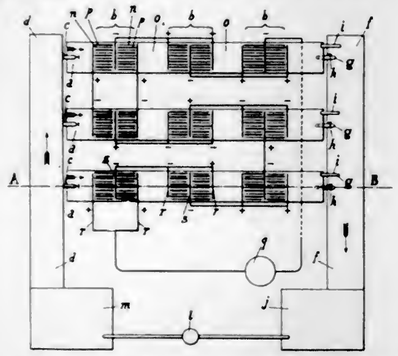
1,466,993. POCKET ORNAMENT. ROBERT CHARLES CREECH, Jr., Columbus, S. C. Filed June 15, 1921. Serial No. 477,773. 2 Claims. (Cl. 24—3.)

1. A device for the purpose set forth comprising a pair of complemental holding elements arranged normally in abutting relation and having the sides and inner end thereof secured together, said elements at their outer ends possessing an inherent clamping characteristic when slightly extended in opposite directions with respect to each other for solely securing an ornament between the



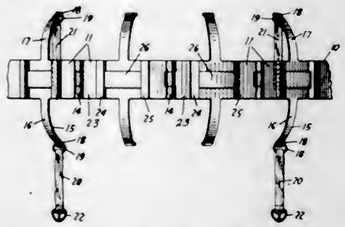
outer ends of said elements, and each of said elements being flat and of inverted truncated triangular shape.

1,466,994. APPARATUS FOR THE ELECTROLYSIS OF METALS. ALFRED CRÉMER, Verviers, Belgium. Filed Oct. 7, 1922. Serial No. 593,137. 4 Claims. (Cl. 204—11.)



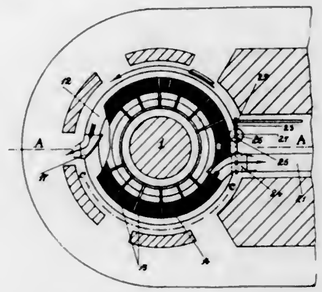
1. In apparatus for the electrolysis of metals, a continuous channel, a plurality of groups of co-operating electrodes arranged in succession within said channel, said groups being substantially isolated from each other within said channel by spaces adapted to be filled with electrolyte.

1,466,995. ANTISKID DEVICE FOR VEHICLE WHEELS. RUDOLPH DENAULT, Brooklyn, N. Y. Filed Nov. 2, 1920. Serial No. 421,252. 3 Claims. (Cl. 152—14.)



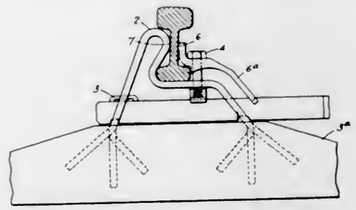
1. In a sectional anti-skid device, a substantially rectangular curved plate, a pair of spaced substantially rectangular lugs integral with the tread surface thereof, both of the lugs extending cross-wise of the plate so that the ends of the lugs will engage the surface of the highway to prevent the wheel from skidding and a plate of less thickness located substantially equidistant from the sides of the plate and connecting the aforementioned lugs.

1,466,996. DISCHARGE APPARATUS FOR LIME KILNS AND THE LIKE. PAUL DUMONT, Ampsin, Belgium. Filed Mar. 21, 1921. Serial No. 453,982. 7 Claims. (Cl. 83—56.)



1. Discharge apparatus for furnaces comprising discharging hoppers, platforms arranged under said hoppers, movable bars for pushing the material at the edge thereof, a movable grid arranged beneath said platform allowing the finer material to pass through and retaining the coarser material and means for connecting the grid with the movable bars so that they may be displaced simultaneously.

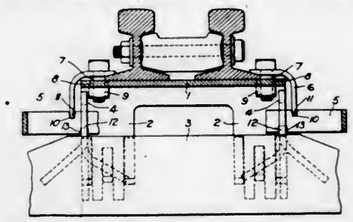
1,466,997. RAIL SUPPORT AND FASTENING. LOUIS GREEN, Howrah, Calcutta, British India. Filed Mar. 2, 1921. Serial No. 448,968. 3 Claims. (Cl. 238—265.)



2. A resilient rail-support or chair as claimed in claim 1 herein, a tie-bar to maintain the gauge of the line, slots in the legs of said chair to receive and engage with said tie-bar, a metal plate or clip—having a right-angled portion—one limb of which is adtapted to fit against and support the web of the rail, the other limb being provided with a notch adapted to fit over the edge of the tie-bar and means to secure said clip in position.

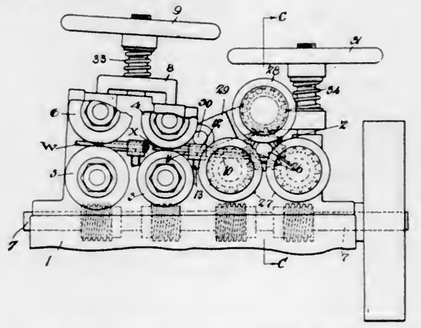
1,466,998. RAIL SUPPORT AND FASTENING. LOUIS GREEN, Howrah, Calcutta, British India. Filed Mar. 2, 1921. Serial No. 448,967. 2 Claims. (Cl. 238—265.)

1. A railway rail chair of the form of an inverted trough capable of supporting juxtaposed flat footed rails and arranged on its sleeper with its longitudinal axis lying transversely of the rails supported thereon, a central recess in each side of said trough to allow resilient action of said chair, metal clips fitted over the foot of each said rails and locking bolts passed through holes in said clips



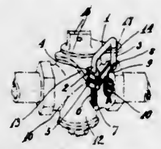
and in the horizontal seating of the chair and nuts screwed on said bolts to thereby lock said rails securely to said chair.

1,466,999. MANUFACTURE OF FLEXIBLE METAL TUBING. EDWARD JAMES, Cleveland, Ohio, assignor, by mesne assignments, to The Youngstown Sheet and Tube Company, Youngstown, Ohio, a Corporation of Ohio. Filed Aug. 5, 1911. Serial No. 642,532. 10 Claims. (Cl. 153—66.)



1. In a machine of the class described, the combination of a die provided internally for part of its length with encircling corrugations, said die having a plurality of longitudinally extending openings; means for forcing two wires into said die, one of the wires being forced into said corrugations; and means disposed opposite the longitudinal openings in said die for aiding movement of the wires through said die.

1,467,000. LOCK BOLT FOR GAS-SERVICE COCKS. FREDERIC WM. JAUCH, Pittsburgh, Pa. Filed Apr. 7, 1922. Serial No. 550,264. 6 Claims. (Cl. 292—307.)

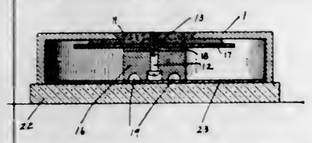


1. A lock-bolt, for lock gas service cocks, comprising a substantially horizontal rod having both ends bent downwardly to form two substantially parallel straight legs; one of said legs being threaded and the other leg being smooth.

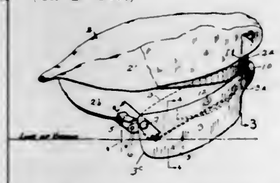
1,467,001. METHOD OF ANCHORING MICROPHONE PARTS. ELMO L. KELLOGG, San Francisco, Calif. Filed June 3, 1922. Serial No. 565,587. 2 Claims. (Cl. 179—122.)

2. The method of gauging the space between a diaphragm and other co-acting operative parts adapted to be

enclosed in a casing, which consists in assembling said parts upon a flat surface, with a shim occupying said space, perforating the casing with a dovetail orifice, placing the casing over the parts in its ultimate position, pouring a plastic material, capable of hardening, through said orifice, and when set, removing the shim.

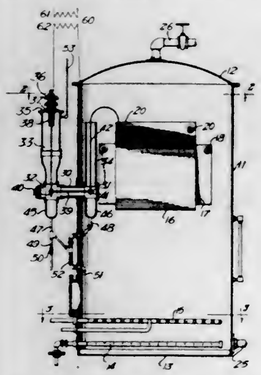


1,467,002. GLARE STOP. FRANK W. LA MOREAUX, Syracuse, N. Y. Filed Apr. 18, 1922. Serial No. 555,479. 2 Claims. (Cl. 2—149.)



1. In combination with a cap, a glare-stop comprising a single strip of opaque material, means pivotally connecting one end of the strip to the cap, a link pivotally connected at one end to the opposite end of the strip, and a gripper pivotally connected to the opposite end of the link, said last end of the strip terminating substantially midway across the front of the cap.

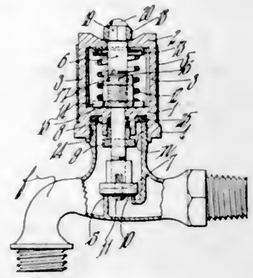
1,467,003. ELECTRICAL DEHYDRATOR. RECTOR E. LAND, Houston, Tex., assignor to Petroleum Rectifying Co., a Corporation of California. Filed Sept. 28, 1922. Serial No. 591,084. 6 Claims. (Cl. 204—24.)



1. A device for conducting an electrical current through the wall of an oil filled tank, comprising: walls forming a channel communicating at one end with said tank; an insulating bushing closing the other end of said channel; and an electrical conductor passing through said bushing and said channel into said tank.

1,467,004. RELIEF-VALVE ATTACHMENT FOR FAUCETS. MICHAEL J. LANDERS, Chicopee, Mass. Filed June 23, 1921. Serial No. 479,823. 4 Claims. (Cl. 251—132.)

2. A relief valve attachment for faucets, comprising, a frame having a base and cap held in spaced parallel relation by connecting means which expose the space between the base and cap, a housing fitting over the base and cap and enclosing the space therebetween, a valve spindle passing through and extending between said base and cap



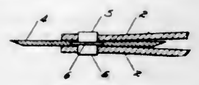
and slidable therein, a spring seat on said spindle, and a spring surrounding the spindle and acting between the cap and said seat, said face having a part for attachment to a faucet body after the valve spindle and associated parts have been removed from said body.

1,467,005. VENTILATING, HEATING, COOLING, AND SHADE APPARATUS FOR ROOMS. JOHN LAWRENCE, San Diego, Calif. Filed Sept. 22, 1921. Serial No. 502,516. 9 Claims. (Cl. 20—1.)



1. An apparatus of the class described, including a wall provided with vents, a transparent outer window in said wall, a translucent inner window spaced therefrom and movable up and down and means for admitting air from the outside through the vents to the inside of the inner window below said inner window or between the inner and outer windows as desired.

1,467,006. PAPER CUTTER. LARAN H. MURRAY, Springfield, Ohio, assignor to The Murray-Black Company, Springfield, Ohio, a Corporation of Ohio. Filed May 23, 1921. Serial No. 471,846. 2 Claims. (Cl. 164—84.)

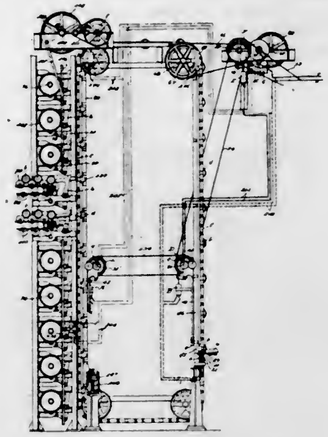


1. In a tool of the character described, a handle, a pair of bowed resilient arms secured in said handle, a bearing having trunnions mounted in the ends of the arms, a rotatable cutting disk mounted on said bearing, said bearing being less in width than the width of the disk, and an adjusting screw threaded in said arms.

1,467,007. MAPLE PRODUCT. HOWARD S. PAINE and CHARLES F. WALTON, Jr., Washington, D. C., dedicated, by mesne assignments, to the People of the United States. Filed July 26, 1922. Serial No. 577,755. 1 Claim. (Cl. 99—11.) Filed under the act of Mar. 3, 1883, 22 Stat. L., 625.)

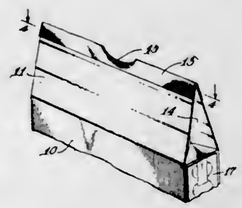
A composition which comprises a mixture of maple sugar and invert sugar, said composition being substantially solid.

1,467,008. APPARATUS FOR HANDLING PAPER OR PULP TUBES OR SIMILAR ARTICLES. HOWARD PARKER, Berlin, N. H., assignor to Brown Company, Portland, Me., a Corporation of Maine. Filed Apr. 2, 1921. Serial No. 458,108. 109 Claims. (Cl. 198—21.)



1. A supply point, a conveyor provided with article holding devices adapted to traverse said supply point and to receive articles one by one therefrom, and means controlled by the delivery of the articles to said supply point for actuating said devices to engage them with the articles.

1,467,009. DISPENSING POUCH. JONATHAN PETERSON, New York, N. Y., assignor to Combination Machine Company, New York, N. Y., a Corporation of Delaware. Filed Apr. 30, 1921. Serial No. 465,898. 9 Claims. (Cl. 206—46.)



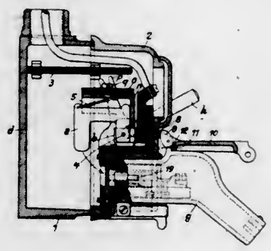
1. A dispensing container for comminuted tobacco, including a body portion adapted to hold a charge of tobacco, a flexible tubular mouth portion in continuation of said body portion adapted to be collapsed flatwise and folded across the top of the body portion to seal the container, and means for closing permanently the major part of the upper end of the mouth portion.

1,467,010. CONTAINER. HARRY R. RADIN, Newark, N. J. Filed Jan. 27, 1921. Serial No. 440,298. Renewed Jan. 27, 1923. 2 Claims. (Cl. 215—40.)



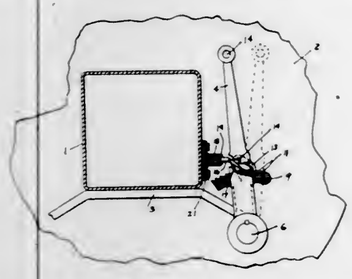
1. A container comprising a body portion having a neck with a shoulder thereon and an annular groove above the shoulder and having also a bead above said groove, a split ring in the groove, a cap having a flanged part with a rim to rest on the shoulder when the cap is in place, the rim having a bevelled inner wall, the flanged part also having a groove to receive the ring, and a depression above the groove to fit the bead on the neck.

1,467,011. PLUG SWITCH. BRUNO RAETTIG, Hoffnungsthal, near Cologne, Germany. Filed Dec. 27, 1922. Serial No. 609,355. 5 Claims. (Cl. 200—50.)



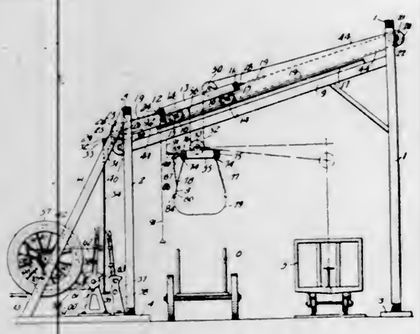
1. An improved plug switch in which the alive contact member is constructed as an oscillatable switch member comprising in combination, a box, an angularly shaped switch member oscillatably mounted in said box, the box being formed with slots through which said switch member passes from the "off" into the "on" position, said angular switch member being moved in the "off" position away from said slots and a plug carrying another contact part adapted to engage with said switch

1,467,012. TAKE-UP FOR LEVERS. JOY S. REYNOLDS, San Francisco, Calif., assignor of one-half to Charles A. Balcom, San Francisco, Calif. Filed May 31, 1922. Serial No. 564,985. 6 Claims. (Cl. 188—196.)



5. A take-up, comprising, in combination, a lever, a mechanism operated thereby, an oscillable sector, a pawl on said lever engaging ratchet teeth on said sector and adapted to oscillate it in one direction and leave it free in the reverse direction and a second pawl connected to a fixed point and adapted to prevent a reverse movement.

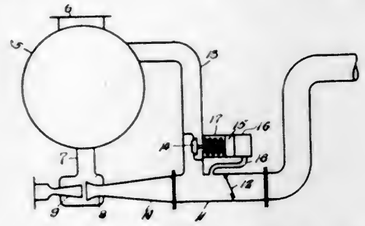
1,467,013. APPARATUS FOR HOISTING AND TRANSFERRING SUGAR CANE AND OTHER ARTICLES. GERMAN VIERA RODRIGUEZ, Manzanillo, Cuba. Filed Sept. 21, 1920. Serial No. 411,771. 2 Claims. (Cl. 212—92.)



1. In a load transferring apparatus, the combination of a framework, an inclined track disposed at the top of said framework, a car adapted to travel on said track, a grooved pulley secured at one end of said framework and a sprocket wheel disposed at the other end of said framework, a chain passing over said pulley and sprocket wheel and secured to both ends of said car, a shaft on which said sprocket wheel is carried, a pulley also fixed to said shaft, a friction brake for holding said car at any desired position on said track, a carrier suspended from the car, elevating mechanism for raising and lowering said carrier, and means for holding said carrier at any desired position.

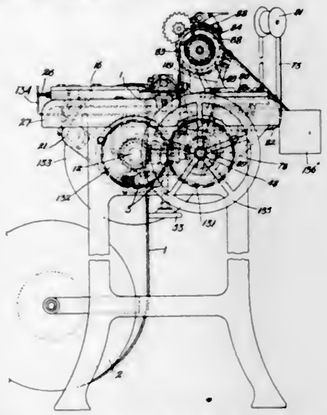
1,467,014. FLUID-TRANSLATING DEVICE. HENRY F. SCHMIDT, Pittsburgh, Pa., assignor to Westinghouse Electric & Manufacturing Co., a Corporation of Pennsylvania. Filed Sept. 30, 1919. Serial No. 327,566. 17 Claims. (Cl. 257—2.)

1. In combination with a condenser, an ejector for withdrawing water of condensation therefrom having an over-flow port provided therein, a passage communicating with said port and with the interior of the condenser, a valve in said passage for closing communication between



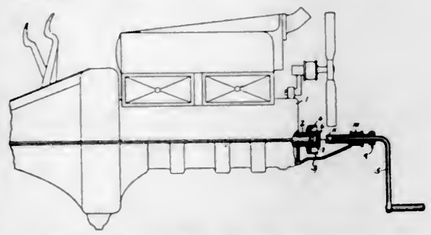
said port and said condenser, and means for controlling said valve responsive to pressure at the outlet of said ejector.

1,467,015. METHOD AND MACHINE FOR MAKING FASTENERS. GIDEON SUNDBACK, Meadville, Pa., assignor to Hookless Fastener Company, a Corporation of Pennsylvania. Filed July 10, 1919. Serial No. 309,985. 59 Claims. (Cl. 113—1.)



1. The combination with means for severing a blank member from the end of a strip, of means for affixing said member to a tape.

1,467,016. CRANK FOR INTERNAL-COMBUSTION MOTORS. RUTILIO TESORO, Houston, Tex. Filed Feb. 10, 1923. Serial No. 618,221. 4 Claims. (Cl. 74—33.)



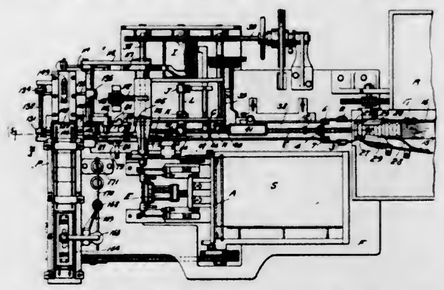
1. A starting device for internal combustion motors including a crank, a sleeve pinned to the inner end of said crank and formed with ratchet teeth, and a sleeve pinned to the adjacent end of the crank shaft and adapted to receive said crank sleeve, said ratchet teeth being adapted to engage with the crank shaft pin.

1,467,017. ROOF. GILBERT CLEVELAND TRICE, Fayetteville, N. C. Filed Mar. 12, 1923. Serial No. 624,564. 4 Claims. (Cl. 108—9.)



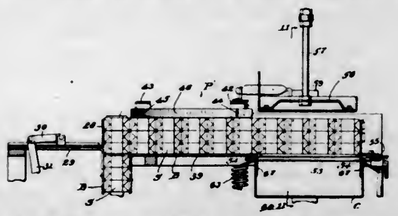
1. A roof composed of a bottom covering made up of a plurality of layers of shingles arranged in stepped relation, filler strips inserted into the steps formed between said layers and providing a substantially flat surface, and an outer layer of weather-proof material.

1,467,018. MACHINE FOR SEALING CIGARETTE PACKAGES OR THE LIKE. JAMES N. TZIBIDES, Brooklyn, N. Y., assignor to R. J. Reynolds Tobacco Company, a Corporation of New Jersey. Filed Aug. 2, 1920. Serial No. 400,690. 24 Claims. (Cl. 93—7.)



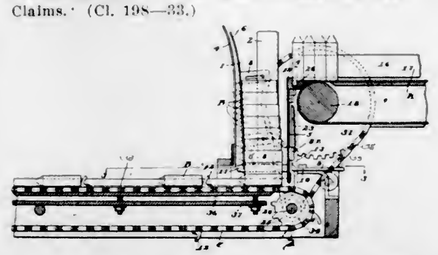
1. In a machine of the character described for closing the ends of cigarette packages or the like of the end-opening pouch type and affixing stamps thereover, the combination of means for applying one end of a stamp to the side of each package adjacent the open end with the body of the stamp projecting beyond the open end, and means for concomitantly closing the open ends and folding the stamp over said ends.

1,467,019. MACHINE FOR HANDLING CIGARETTE PACKAGES OR THE LIKE. JAMES N. TZIBIDES, Brooklyn, N. Y., assignor to R. J. Reynolds Tobacco Company, a Corporation of New Jersey. Filed Aug. 2, 1920. Serial No. 400,691. 19 Claims. (Cl. 226—14.)



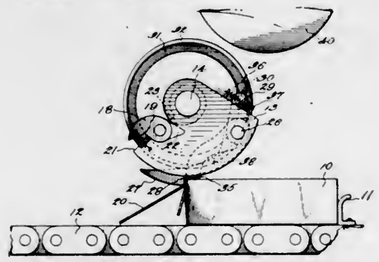
1. A machine for handling cigarette packages or the like after a seal has been freshly applied over the end thereof comprising a passageway along which the packages may be fed in a column, a pusher for recurrently advancing the packages along the passageway, means synchronized with said pusher for inserting a new package into the passageway in advance of the pusher each time the pusher is retracted, and means for holding the portion of the freshly applied seal on the rear side of the rearmost package against the package while the pusher is being retracted and the new package is being inserted.

1,467,020. MACHINE FOR HANDLING PACKAGES. JAMES N. TZIBIDES, Brooklyn, N. Y., assignor to R. J. Reynolds Tobacco Company, a Corporation of New Jersey. Original application filed Aug. 2, 1920. Serial No. 400,690. Divided and this application filed June 3, 1921. Serial No. 474,604. Renewed May 22, 1923. 18 Claims. (Cl. 198—33.)



1. A machine of the character described comprising a runway for packages, a hopper extending downwardly from the delivery end of the runway and adapted to receive a plurality of packages in superposed arrangement, and means at the delivery end of the runway to cause the packages to drop in predetermined position into the hopper.

1,467,021. LABEL-APPLYING DEVICE. JAMES N. TZIBIDES, New York, N. Y., assignor to R. J. Reynolds Tobacco Company, Winston-Salem, N. C., a Corporation of New Jersey. Filed Aug. 9, 1921. Serial No. 490,824. 17 Claims. (Cl. 216—9.)

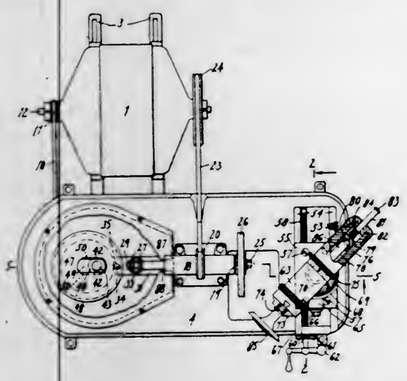


1. A label applying device, including means for carrying and applying to an article a label with a portion thereof projecting beyond a face of the article, and means connected to the first mentioned means for bending said portion of the label across and in advance of said face in position for subsequent application thereto.

1,467,022. FOOD SIRUP AND PROCESS OF PREPARING SAME. CHARLES F. WALTON, Jr., and HOWARD S. PAINE, Washington, D. C., dedicated, by mesne assignments, to the People of the United States. Filed July 26, 1922. Serial No. 577,754. 2 Claims. (Cl. 99—11.) (Filed under the act of Mar. 3, 1883, 22 Stat. L., 625.)

1. A process for preparing a sirup of high density from maple sirup, consisting in treating maple sirup with invertase to secure partial inversion of the sucrose in the maple sirup.

1,467,023. GRINDING MACHINE. OSCAR WILLSON, Springfield, Mass., assignor of one-third to Esther E. Ericson and one-third to Carl Rask, both of Springfield, Mass. Filed Apr. 17, 1922. Serial No. 553,911. 4 Claims. (Cl. 51—34.)



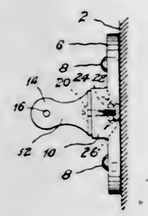
1. The combination, in a grinding machine, with a rotary and reciprocating horizontal grinding-wheel shaft, and means to rotate said shaft, of a horizontal reciprocating member provided with a post in operative engagement with said shaft, and a horizontal eccentric rotary member in operative engagement with said reciprocating member.

1,467,024. TOOTH PASTE. EINAR BERGVE, Christiania, Norway. Filed Dec. 14, 1922. Serial No. 606,975. 5 Claims. (Cl. 167—9.)

2. Tooth paste comprising titanic acid and a silica jelly.

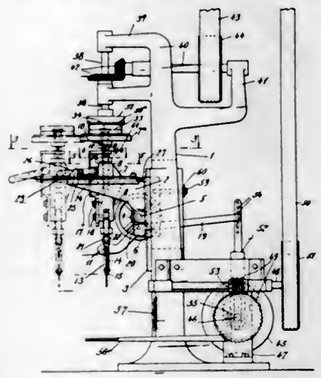
5. A tooth paste comprising a hydrated substance in gelatinous form acting as a base for the paste and rendered viscous by an anhydrous metal acid capable of maintaining the viscosity of such base substance.

1,467,025. ADJUSTABLE WINDOW-SHADE BRACKET. CHARLEY DAY, Cleveland, Ohio. Filed May 23, 1919. Serial No. 299,265. 2 Claims. (Cl. 156—24.)



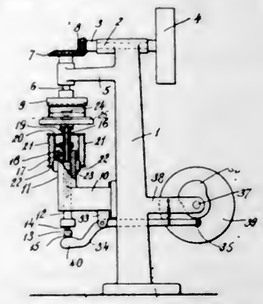
1. A device of the character described comprising a support having an offset exceeding in projection any window frame protuberance and provided with a hole extending in the direction of projection of said offset, said support being fashioned on the side opposite to the side from which the offset projects with an angular countersink around the inner end of said hole, a bracket provided with a slot extending at right angles to the direction of said hole, a nut in said countersink, means for holding said nut in place in said countersink, a machine screw passed through said slot, occupying said hole and having its head engaging said bracket at two defining edges of said slot, said screw furthermore having its thread engaging said nut, and a stud carried by said offset, said stud being disposed to one side of said screw and also projecting through said slot whereby the stud and screw together prescribe the direction of adjustment-movement in a plane outwardly beyond any window frame protuberance.

1,467,026. MACHINE FOR MAKING PAPER BOXES. FRANK J. DOLAN, Brooklyn, N. Y., assignor to Joseph M. Price, New York, N. Y. Filed Sept. 30, 1922. Serial No. 591,466. 9 Claims. (Cl. 93—36.)



1. In box making machines, an expansible and contractible former, means for expanding the former, and a relatively thick band of resilient material having a high coefficient of friction encircling the former to contract the same and to hold the box element from slipping on the former.

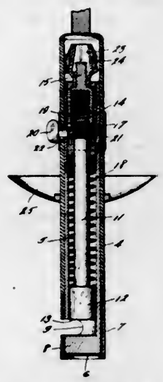
1,467,027. METHOD OF MAKING PAPER BOXES. FRANK J. DOLAN, Brooklyn, N. Y., assignor to Joseph M. Price, New York, N. Y. Original application filed Sept. 30, 1922, Serial No. 591,466. Divided and this application filed Jan. 6, 1923. Serial No. 610,966. 3 Claims. (Cl. 93—36.)



1. The process of forming heads on the ends of tubular box elements of paper or the like, which consists in holding the box element against rotary movement with its end in contact with a revolving member, whereby to soften the material in the end by frictionally generated heat, gradually increasing the contact pressure to form a bead on the end of said element and simultaneously increasing the holding force.

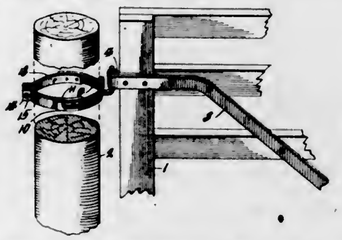
1,467,028. WELDING ELECTRODE HOLDER. JOHN J. DOOLEY, Bootle, Liverpool, England. Filed Nov. 12, 1921. Serial No. 514,821. 2 Claims. (Cl. 219—14.)

1. A welding electrode holder including an outer insulating casing one end of which is closed and equipped with a metal sleeve, a metal casing mounted in said outer casing having one end thereof enlarged and engaged with the closed end of the outer casing, said casing having an electrode receiving pocket formed therein



above said enlarged end of the inner casing, and means mounted in said inner casing to clamp the electrode into engagement with said enlarged end.

1,467,029. GATE HINGE. JAMES W. DURHAM, Tipton, Ind. Filed Apr. 17, 1922. Serial No. 553,331. 4 Claims. (Cl. 16—158.)



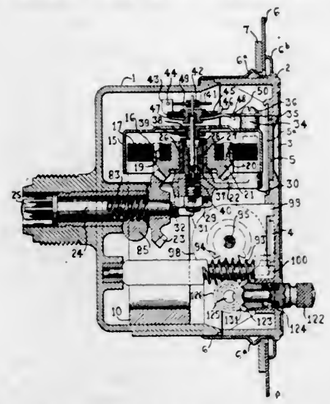
1. A clamp of the class described including in combination a pair of hinged sections, a pair of auxiliary sections, one pair of said sections provided with longitudinally extending slots having marginal notches communicating therewith, and pins extending from the other pair of sections adapted to penetrate said slots so as to be movable therein for engagement with said notches.

1,467,030. REENFORCED GLASS. VICTOR C. EDWARDS, Arlington, N. J., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a Corporation of Delaware. Filed Apr. 6, 1922. Serial No. 550,183. 5 Claims. (Cl. 49—92.)

2. As a new article of manufacture, a reenforced glass structure comprising the combination of a transparent sheet of a pyroxylin composition with a transparent sheet of glass capable of absorbing those actinic rays of light which tend to induce an appreciable color change in said pyroxylin composition.

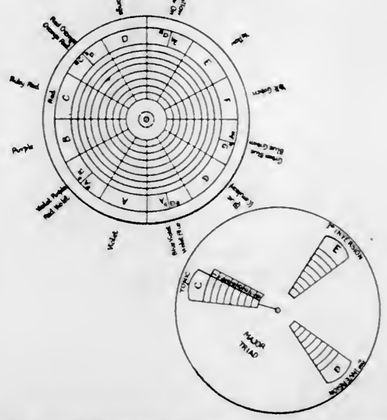
1,467,031. MAGNETIC SPEEDOMETER. CHARLES FISCHER, New York, N. Y. Filed Dec. 12, 1919. Serial No. 344,450. 27 Claims. (Cl. 264—13.)

1. In a magnetic speedometer the combination of a curved field magnet, a driven armature member carrying a plurality of rotating disks with concentrating teeth arranged to be rotated in the field of the magnet, an indicating cup mounted to oscillate between the disks and the poles of the magnet, a spindle for the cup passing thru it, a spring restraining said spindle, an anchor for one end of said spring a plate carrying said anchor,



means for adjusting the position of said anchor and a brake for holding said plate in its adjusted position.

1,467,032. INDICATOR APPLICABLE TO THE TEACHING OF MUSIC OR THE SELECTING AND COMBINING OF COLORS. MARY SARGANT FLORENCE, Marlow, England. Filed Feb. 21, 1923. Serial No. 620,480. 7 Claims. (Cl. 35—12.)

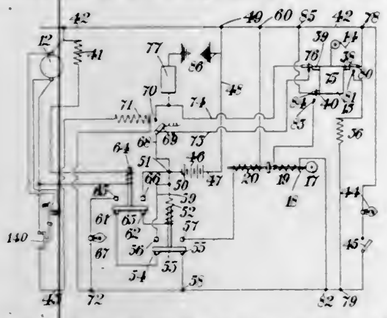


1. A device applicable to the selecting and combining of colors, comprising a dial divided into segments corresponding in number to the intervals of the sub-divided diatonic scale and colored in accordance with the sequence of colors apparent in the visible spectrum, and a plurality of differing selector members having indications spaced according to the musical intervals of harmonic combinations of notes and capable of co-operating with the dial by superposition to indicate a number of colors in harmonic relation.

1,467,033. ENGINE-STARTING DEVICE. WALTER RUSSELL GOODMAN, Worthing, and KEELEY IAN GOODMAN, Richmond, England. Filed Aug. 9, 1921. Serial No. 491,027. 7 Claims. (Cl. 290—30.)

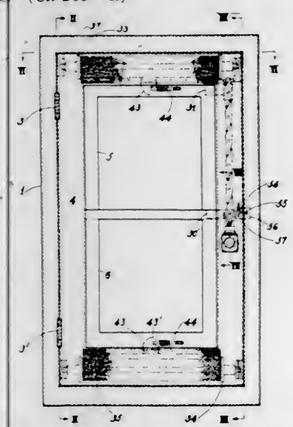
2. In an electric power system the combination of an internal combustion engine, an electric generator driven thereby, a main circuit for said generator, a source of mechanical energy, rotatable means coupling it to the

engine to drive it, but permitting the engine to overrun it, a battery, a switch closed by the operation of the said source of mechanical energy when released, circuits connecting said battery through said switch to the igni-



tion system of the engine, and an electromagnetic switch operated by current in the said main circuit of the generator, to short-circuit the said switch operated by the source of mechanical energy.

1,467,034. WINDOW. LOUIS S. GRUBER, Arnold, Pa., assignor to Luise Gruber, Pittsburgh, Pa. Filed June 22, 1921. Serial No. 479,494. Renewed July 16, 1923. 3 Claims. (Cl. 268—4.)



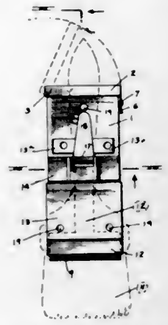
2. A window comprising a frame, sashes mounted in said frame, operating means for each of said sashes comprising a spirally grooved shaft mounted in said frame, a sliding nut on said shaft capable of longitudinal movement thereon, said nut being connected to its sash, means for locking said nut to the shaft to prevent relative movement therebetween, and means enclosed in said frame for actuating the said operating means.

1,467,035. SHOCK-ABSORBING SPRING. JOSEPH GRUNDLER, New York, N. Y., assignor to Perfect Shock Absorber Spring Company, Inc., New York, N. Y. Filed July 11, 1921. Serial No. 483,646. 5 Claims. (Cl. 267—42.)



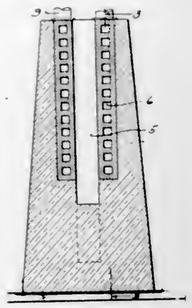
1. A spring construction of the class described comprising a main spring section and a supplemental spring section, one end portion of the supplemental spring section being extended, a coupling member adjustably mounted in connection with the supplemental spring section and movably mounted in connection with the main spring section, two of the leaves at one end of the main spring section being passed around the support therefor and one of said leaves being extended backwardly upon the leaves of said spring section and provided at its end with a part extending at right angles thereto to reinforce said end of the main spring section and to provide means for retaining said coupling member in proper position on the main spring section.

1,467,036. FOUNTAIN ATTACHMENT FOR BRUSHES. GEORGE P. HELFRICH, San Francisco, Calif. Filed May 31, 1922. Serial No. 564,786. 2 Claims. (Cl. 15—131.)



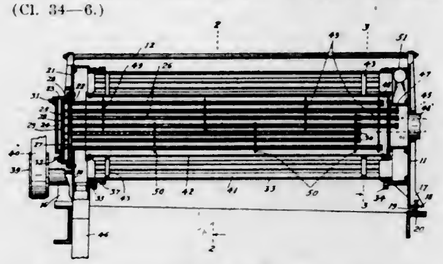
1. A fountain attachment for flat paint brushes and the like comprising a relatively flat liquid container adapted to overlie a brush, a bridge member on said container, a tongue member eccentrically mounted in said bridge member and adapted, when rotated to secure and engage a brush between said bridge and said container, and studs upstanding on said container so positioned as to penetrate said brush when so engaged.

1,467,037. CHLORIDIZING OF ORES. JULES HECTOR HIRT, El Paso, Tex., assignor to Alvarado Mining and Milling Company, New York, N. Y., a Corporation of Maine. Filed Jan. 10, 1920. Serial No. 350,576. 7 Claims. (Cl. 75—17.)



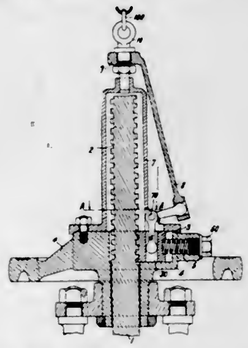
1. The method of chloridizing ores metallurgical products and the like, which comprises subjecting a body of ore fed at a rate which ensures the presence of a layer of cooler ore overlying the reaction zone to the chloridizing action of an atmosphere containing the vapors of a suitable volatile chloride while protecting the same from atmospheric oxidation and preventing escape of volatile metal chlorides by condensing the latter in the overlying layer of cooler ore.

1,467,038. DRIER. ALEX G. HUHN, Minneapolis, Minn., assignor to A. Huhn Manufacturing Company, Minneapolis, Minn., a Corporation. Filed May 31, 1919. Serial No. 300,813. Renewed Feb. 1, 1923. 9 Claims. (Cl. 34—6.)



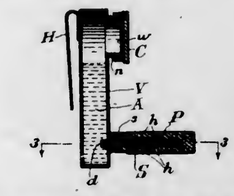
1. A drier comprising a casing which constitutes a drying chamber, heating means surrounded by said chamber, means for causing air to pass over said heating means and through said chamber, and means for feeding material to be treated into said chamber.

1,467,039. SLUICE OR GATE VALVE. CRAWFORD WILLIAM HUME, Glasgow, Scotland, assignor to James Howden & Company, Limited, Glasgow, Scotland, a Corporation of the United Kingdom of Great Britain and Ireland. Filed Dec. 12, 1922. Serial No. 606,441. 1 Claim. (Cl. 251—55.)



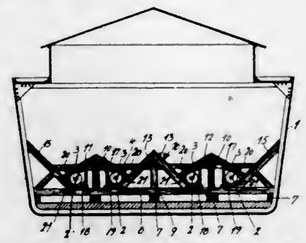
In a sluice or gate valve, in combination, a spindle provided with a screw-thread, a divided nut comprising sections engageable with and disengageable from the spindle, means normally urging said sections into engagement with the spindle, a housing for one end of the spindle, bell-crank levers mounted on said housing, each lever operatively connected to a nut section, and a structure connected to said levers, and movable axially of the spindle to effect movement of said levers whereby to disengage the nut sections from the spindle.

1,467,040. FINGER MOISTENER. CHARLES JERABEK and EMPSON H. BAINBRIDGE, Philadelphia, Pa. Filed Jan. 27, 1922. Serial No. 532,333. 3 Claims. (Cl. 91—54.4.)



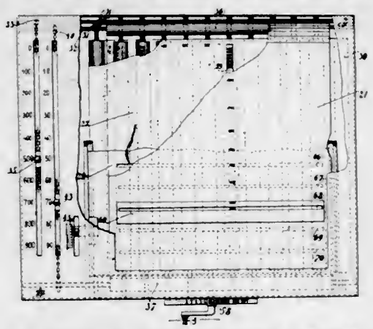
1. A finger moistening device comprising a reservoir, filling means, a moisture conducting stem supported by said reservoir, an absorbent pad embracing and adapted to receive moisture from said stem, and means for attaching said device to the clothing of the user.

1,467,041. TRANSPORT DEVICE FOR GRAIN AND THE LIKE. OTTO EMIL JOHNSON, Skien, Norway. Filed Apr. 19, 1922. Serial No. 555,633. 5 Claims. (Cl. 214—15.)



1. In a conveying device for grain, the combination with the conveying mechanism and means for operating the same, of an inclined roof-structure arranged above the said conveying mechanism for supporting the material to be conveyed, an inclined surface extending under said roof structure in close proximity to said conveying mechanism and a depending wall forming with the said inclined surface a continuous slot for gradually feeding the material to said conveying mechanism.

1,467,042. MULTIPLYING MACHINE. RUDOLF JORSCH, Prague-Karolinenthal, Czechoslovakia. Filed Feb. 4, 1922. Serial No. 534,057. 4 Claims. (Cl. 235—86.)

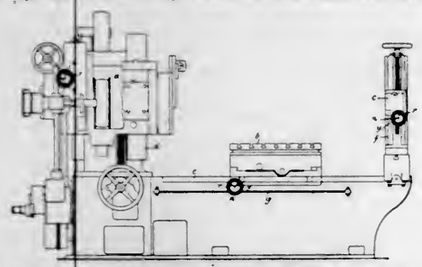


1. A multiplying machine comprising a casing, rollers journalled therein and arranged in pairs, means for rotating said rollers, a band carried by each pair of rollers and provided with columns of figures, the figure columns of all the bands showing the entire product of any desired range of multiplication and being divided into tenths, movable strips located above said rollers and having each one or more slots, means for moving said strips, the slots in the said strips at their intersecting point being adapted to constitute a travelling window, an indicator for setting the multiplier, and indicators for setting the multiplicands, the arrangement being such that by the setting of the multiplicand the final product of the multiplication is visibly displayed in the travelling window formed by the slots in the said strips.

1,467,043. MEANS FOR INDICATING AND MEASURING THE TRAVEL OF MOVING PARTS OF MACHINE TOOLS. JOSEPH RICHARD CARDEN KEARNS, Broadheath, near Manchester, England, assignor of one-half to H. W. Kearns and Company Limited, Broadheath, near Manchester, England, a British Company. Filed Aug. 15, 1922. Serial No. 582,042. 5 Claims. (Cl. 29—26.)

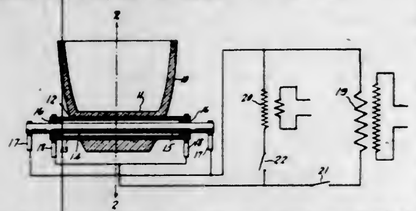
1. In a machine tool, a displaceable part, a stationary screw spindle mounted parallel to the path of said displaceable part, a nut on said displaceable part threaded

on said screw spindle, a skew wheel on said nut, a second skew wheel gearing with said first-mentioned skew wheel, a spindle rotated by said second-mentioned skew



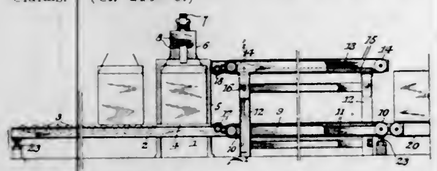
wheel, a dial on said displaceable part, and a pointer rotated by said skew wheel-rotated spindle moving over said dial.

1,467,044. ELECTRIC FURNACE. EDWIN F. KIEFER, Cleveland, Ohio, assignor to National Carbon Company, Inc., a Corporation of New York. Filed June 11, 1920. Serial No. 388,164. 6 Claims. (Cl. 204—64.)



1. An electric furnace of the arc type, comprising a refractory wall provided with an aperture, and a heating element insertable in such aperture, said heating element comprising electrodes in arcing relation to each other in a closed interspace therebetween.

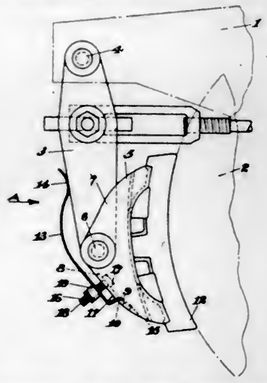
1,467,045. CARTON-SEALING MACHINE. WALLACE D. KIMBALL, New York, N. Y., and ARTHUR E. RIDEOUT, Chicago, Ill., assignors to Standard Sealing Equipment Corporation, New York, N. Y., a Corporation of New York. Filed Feb. 8, 1919. Serial No. 275,764. 7 Claims. (Cl. 216—9.)



1. In a carton sealing apparatus, the combination of a work table adapted to support the carton while being sealed, means for simultaneously pressing the sealed flaps at both ends of the carton comprising a supporting belt to receive and convey the cartons away from the work table, a presser belt overlying the supporting belt in position to rest upon the upper end of the carton, means for pressing said belt against the carton, and spaced smoothing and pressing devices arranged between said work table and said belts in planes to engage and smooth the sealed ends of the cartons as they are advanced from the work table to the belts.

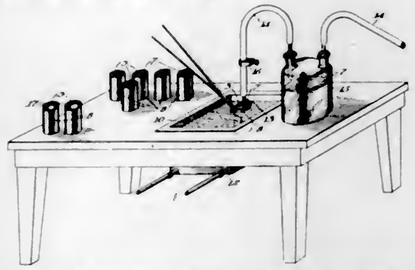
1,467,046. BRAKE-ADJUSTING MECHANISM. BENJAMIN F. KURTZ, Avalon, Pa., assignor to Pressed Steel Car Company, Pittsburgh, Pa., a Corporation of New Jersey. Filed Nov. 7, 1921. Serial No. 513,251. 6 Claims. (Cl. 188—212.)

5. In a brake mechanism, a brake lever, a brake shoe head connected with said lever, said head having spaced back portions, spaced webs extending between said back portions, a spring engaging said lever and webs, and



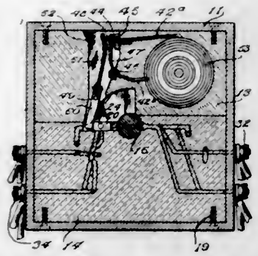
means independent of said lever for adjusting the tension on said spring.

1,467,047. PROCESS OF COATING BATTERY ELECTRODES. HARRY D. LAPKIN, San Francisco, Calif., assignor to National Carbon Company, Inc., a Corporation of New York. Filed Nov. 4, 1920. Serial No. 421,752. 3 Claims. (Cl. 91—68.)



1. Process of forming a coating on a cup-shaped battery electrode which comprises applying to a predetermined portion only of the interior of the cup, a liquid adapted to form a non-fluid coating, an excess of liquid over that required to form the desired coating being used, rendering a portion of the liquid adjacent the cup nonfluent, and then removing the excess liquid while preventing its wetting the cup except at the predetermined portion thereof.

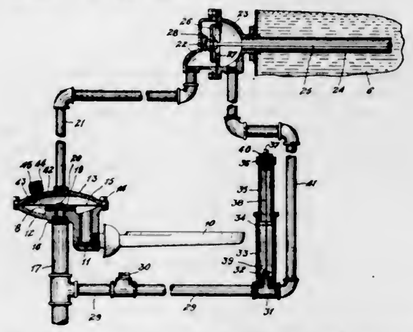
1,467,048. ELECTRIC LOCK. GEORGE M. LIVESAY, Ashley, Ill. Filed Sept. 18, 1922. Serial No. 588,980. 8 Claims. (Cl. 123—146.5.)



7. A lock for electric ignition circuits comprising a lock of insulating material, a spark coil enclosed therein and provided with a "cut out" element, said block having

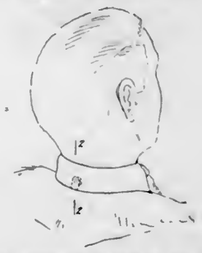
a chamber, the conductors of said circuits terminating in the wall of the chamber forming a gap in each circuit, a switch member of insulating material mounted to turn in said chamber, wiring in said switch member adapted to bridge the respective gaps with the member in the "turned on" position, the latter simultaneously closing said "cut out," said switch member being constructed as a removable key, having a plurality of bits, said wiring crossing the stem of the key with ends exposed respectively in said bits and the opposite side face of the stem in order to register with the respective conductors; said spark coil being provided with primary and secondary windings, a conductor for said primary winding having a break, a contact point for each end of the break, one of said contact points forming the "cut out" standing normally open and an oscillating member adjacent said "cut out" and adapted to be actuated by one of said bits for closing the "cut out"; a casing enclosing said block having a key hole opposite said chamber and a latch in said casing adapted to retain said key in position.

1,467,049. EMERGENCY FUEL-VALVE-CONTROL APPLIANCE. HERBERT J. LONG, New Brunswick, N. J., assignor to The Kompak Company, New Brunswick, N. J. Filed Nov. 4, 1919. Serial No. 335,651. 43 Claims. (Cl. 236—20.)



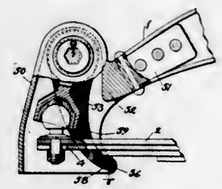
26. An appliance of the character described comprising the combination of a main burner, a gas supply pipe, a valve chamber connecting said burner and pipe, a leaky pressure operated diaphragm valve dividing said chamber to control the flow of fuel from said gas pipe to said burner through one division of said chamber, and a manually operable valve to permit when open the direct escape of gas to the atmosphere from the other division of said chamber whereby to release the closing pressure against said diaphragm valve and cause it to be opened and gas to flow to said main burner.

1,467,050. COLLAR BUTTON. CLAIR H. LONSDALE, Fort Sam Houston, Tex. Filed July 12, 1922. Serial No. 574,403. 1 Claim. (Cl. 24—107.)



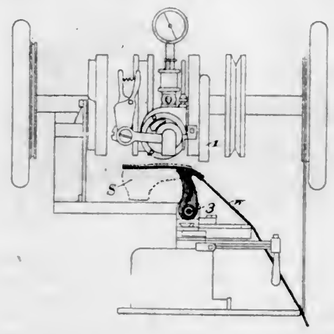
A collar button including a shank and a head extending radially in all directions from the outer end of the shank, the outwardly presented face of the head being smooth and free from obstructions and relatively flat and the inwardly presented face of the head being concave, the head being provided at its lower end with a tie-supporting lip gradually curved outwardly from the plane of the outer face of the head.

1,467,051. SPRING SHACKLE FOR VEHICLES. RALPH M. LOVEJOY, Meredith, N. H. Filed Apr. 11, 1922. Serial No. 551,584. 22 Claims. (Cl. 267—54.)



1. A spring shackle for vehicles comprising a casing adapted to be connected to the frame of a vehicle, a member pivotally mounted in said casing to swing about a horizontal axis, bearing members engaging opposite sides of said swinging member at a distance from said axis acting to prevent lateral movement of said swinging member and means for pivotally connecting said member to the spring.

1,467,052. ATTACHMENT FOR SHOE-STITCHING MACHINES. THOMAS F. MCREYNOLDS, Pueblo, Colo. Filed June 8, 1920. Serial No. 387,310. Renewed July 10, 1923. 1 Claim. (Cl. 42—52.)

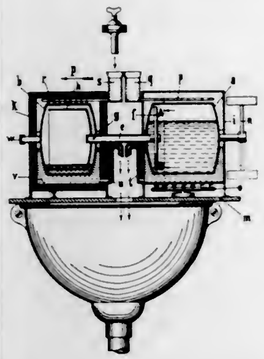


An attachment for shoe stitchers, comprising a metal arm having offset edges imparting strength thereto, a slotted lower end enabling attachment, a bent upper point providing a support, and an upper curve in continuation of said bent end, including a rectangular tubular guide through which a welt strip is drawn as a shoe is moved over said guide and bent end during a sewing operation.

1,467,053. FREEZING MACHINE OF THE ABSORPTION TYPE. LUDWIG MACH, Munich, Germany. Filed Oct. 3, 1922. Serial No. 592,016. 4 Claims. (Cl. 62—120.)

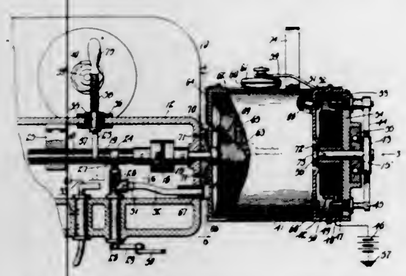
4. A freezing machine of the intermittently acting, reversing, absorption type, comprising a heater and an evaporator, a hollow axle on which same are rotatably and longitudinally arranged, said axle acting as a conduit therebetween and said conduit projecting at one end into the heater, a tube carried thereby, in communication

therewith and terminating near the circumferential wall of the heater, a water container in which the evaporator



is arranged, a water container in which the heater is arranged, and overflow devices for maintaining the respective levels of water in said containers.

1,467,054. DISTRIBUTOR. ALBERT C. MENGES, Memphis, Tenn., assignor to Menges Motors Company, Greenville, Miss., a Corporation of Mississippi. Filed May 21, 1920. Serial No. 383,184. 15 Claims. (Cl. 123—148.)



1. In a distributor for electrical ignition mechanism, a distributor shaft, a shaft driven thereby and having a casing for an induction coil removably positioned thereon, a condenser housing on the shaft removably attached to the casing and an interrupter adapted for operation by the shaft and removably attached to the condenser housing whereby the interrupter, the condenser housing and the coil casing may be removed successively without disturbing other parts, substantially as set forth.

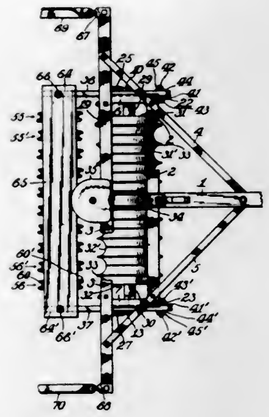
1,467,055. AUTOMATIC ALARM FOR PARTIALLY-DEFLATED TIRES. ANDRÉ JULES MICHELIN, Paris, France. Filed Oct. 18, 1922. Serial No. 595,390. 10 Claims. (Cl. 116—34.)

3. An automatic alarm for indicating when the pressure in the inner tube of a pneumatic tire falls below a predetermined limit, comprising a housing having its upper end projecting into the interior of the tire casing between the beads, and its lower end projecting through the rim of the wheel, the upper end being open and provided with an enlarged chamber, and the lower end being axially perforated, a diaphragm closing said upper end and normally pressed upon by the inner tube of the tire, a bell slidably mounted in said chamber and normally engaging said diaphragm, a plunger provided with a firing pin slidably mounted in said housing and also slidably mounted in said bell, a coil spring mounted in said plunger and normally pressing the plunger in one direction and the bell in the other direction, the said bell being provided with a flaring mouth, and the said plunger being provided with an exterior tapered shoulder, and a crown of balls adapted to be wedged between



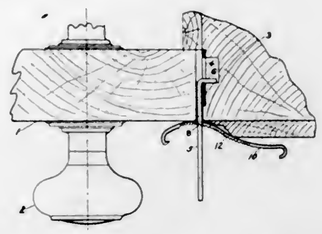
said flaring mouth and said tapered shoulder when the pneumatic pressure exceeds the spring pressure, but to be released when the pneumatic pressure falls below the spring pressure, with a cap provided with a cartridge chamber detachably connected to the lower end of said housing, and adapted to hold a cartridge in the path of the firing pin, the said cartridge closing the opening through the lower end of said housing.

1,467,056. LAND PULVERIZER AND MULCHER. GAINFORD P. MIX, Moscow, Idaho. Filed Apr. 10, 1920, Serial No. 372,958. Renewed Mar. 26, 1923. 5 Claims. (Cl. 55—77.)



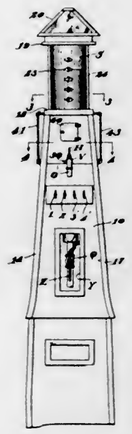
1. A land pulverizer and mulcher including a pulverizer frame, two roller frames secured to the pulverizer frame, a guide tongue secured to the pulverizer frame, a roller supporting the roller frames, a mulcher shaft with mulches thereon, and a mulcher frame comprising two arms supported on the mulcher shaft and adjustably connected pivotally to the roller frames respectively, the arms having standards thereon respectively and a broad weight-carrying plank supported by the standards and extending over and nearly covering all of the mulchers to variably load the mulchers.

1,467,057. SAFETY DOOR GUARD. ANTHONY J. MOGLICH, Oakland, Calif. Filed Aug. 28, 1922. Serial No. 584,777. 4 Claims. (Cl. 292—290.)



4. A safety door-guard composed of two members, one of said members having a hook at one end adapted for engagement with a lock-strike, and a slot adjacent said end, and the second member being of a size to play freely in said slot, and having a cyma-reversa curved body.

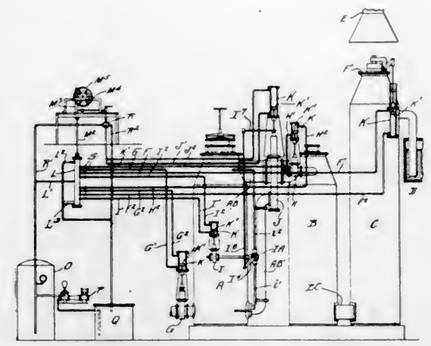
1,467,058. LIQUID-MEASURING APPARATUS. CHESTER H. MORSE, Taunton, Mass. Filed Apr. 28, 1921. Serial No. 465,151. 4 Claims. (Cl. 221—100.)



1. Liquid dispensing apparatus comprising a measuring chamber, means for filling said chamber to various levels corresponding to predetermined quantities of liquid, said means including a valve for each quantity, an outlet for conducting the liquid from said chamber, a valve in said outlet, and means interconnecting said last valve with said first valves so that any of the first valves which is open is closed when said last valve is open.

1,467,059. VALVE CONTROL. FRANK D. MOSES, Trenton, N. J. Filed Jan. 14, 1922. Serial No. 529,160. 3 Claims. (Cl. 48—83.)

1. The combination with the air, stack, and steam valves of a water gas set, and a separate fluid pressure actuating motor for each of said valves, of a single control valve having a plurality of different operative positions and connections for supplying motive fluid to and exhausting it from the different motors to open and close



the first mentioned valves in predetermined sequence as said control valve is adjusted back and forth through its different operative positions.

1,467,060. ANODE. AUGUST P. MUNNING, Brooklyn, N. Y., assignor to A. P. Munning & Co., New York, N. Y., a Corporation of New Jersey. Filed Dec. 5, 1921. Serial No. 519,942. 13 Claims. (Cl. 204—4.)

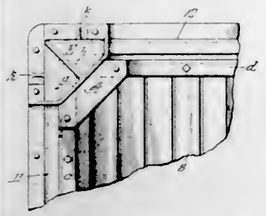


1. An anode for electrolytic apparatus comprising a metallic member having a ridge on its periphery directed oblique to its longitudinal axis.

1,467,061. CAR DOOR. CLINTON C. MURPHY, deceased, late of Chicago, Ill.; by Edna Blanke Murphy, administratrix, Chicago, Ill., assignor to Walter P. Murphy, New York, N. Y. Original application filed July 13, 1918, Serial No. 244,698. Divided and this application filed May 16, 1919. Serial No. 297,535. 12 Claims. (Cl. 20—22.)

1. The combination with a car having a doorway, a door-frame therefor having a door-post, a Z-bar secured thereto the outer flange of which projects parallel to the side of the car towards said doorway, and a plate at the upper forward corner of the doorway having depressed vertical and horizontal margins and a raised portion or

pocket, of a sliding door the upper forward corner of which enters said pocket when closed, and a Z-bar secured



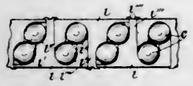
to the forward vertical edge of said door the inner flange of which interlocks with the outer flange of the Z-bar that is secured to the door-post.

1,467,062. MAGNETO-ELECTRIC IGNITION MACHINE. ARTHUR G. L. NEIGHBOUR, Brighton, Victoria, Australia. Filed Apr. 2, 1923. Serial No. 629,324. 1 Claim. (Cl. 200—30.)



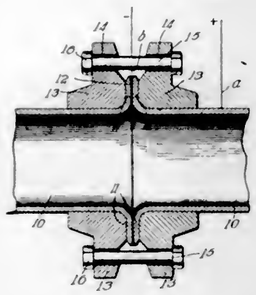
In a magneto, a reversible contact breaker having a base plate, a substantially V-shaped insulated block concentrically mounted on the base plate, a pivot on the base plate on the opposite side of the axis thereof to that on which the radial branches are situated and positioned in a diametral plane which passes between the radial branches of the V-shaped block, an insulating washer positioned around the pivot and bearing on the base plate, a cup-shaped insulating bushing covering the exposed portion of the pivot, said bushing being shouldered on its exterior, a reversible contact carrying lever mounted on the reduced portion of said bushing and adapted to oscillate freely thereabout, means for securing a contact to either of the radial branches of the V-shaped block, a fixing screw for securing the V-shaped block in place, and a spring rigidly secured at one end by the fixing screw and having its other end bearing on the cup-shaped bushing to maintain said bushing and contact carrying lever in position.

1,467,063. ANTIFRICTION BEARING. CHARLES A. NELSON, Utica, N. Y. Filed Dec. 31, 1921. Serial No. 526,205. 2 Claims. (Cl. 64—59.)



1. An anti-friction bearing including two continuous coaxial races, two continuous and side-by-side rows of rolling elements confined between and by said races to coaxial paths and with the elements in each row projecting into the path of the other row, and a cage having means to hold pairs of the rolling elements, one element from each row, separated each pair from the next further than the elements in each pair are apart.

1,467,064. METHOD AND MEANS FOR JOINING PIPES. OLAF E. OLESON, Chicago, Ill., assignor of one-half to Chester F. Sargent, Winnetka, Ill. Filed Nov. 28, 1919. Serial No. 341,194. 6 Claims. (Cl. 285—139.)



1. The process of coupling pipes which consists in flanging the abutting ends thereof, then permanently mechanically clamping said ends together with a gasket therebetween, and then welding said ends and said gasket together at the outer edges only to seal the joint.

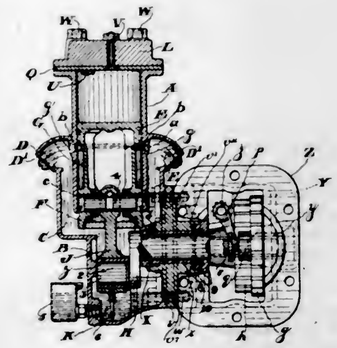
6. A pipe joint having a gasket, the inner portions of the gasket being under mechanical compression, and the outer edge being fused to the adjacent pipe portions

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1,467,065. RADIATOR-REPAIR COMPOSITION. FRED PETMECKY, Austin, Tex. Filed Mar. 8, 1922. Serial No. 542,182. 2 Claims. (Cl. 134—125.)

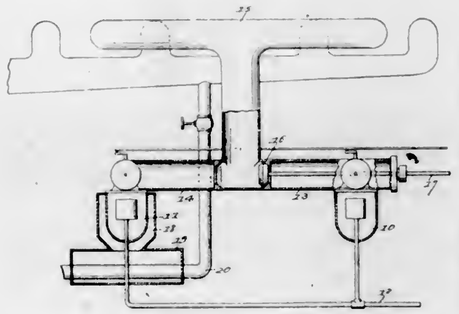
2. The herein described composition for closing leaks in radiators and like metal containers, formed by stirring powdered asbestos and dextrin into boiling water in the proportions of one part of asbestos to two parts of dextrin and five parts of water, and continuing to boil the mixture for a short time after the asbestos and dextrin have been thoroughly incorporated therein.

1,467,066. COMPRESSOR. WILLIAM PRELLWITZ, Easton, Pa., assignor to Ingersoll-Rand Company, Jersey City, N. J., a Corporation of New Jersey. Filed Feb. 7, 1922. Serial No. 534,683. 2 Claims. (Cl. 230—27.)



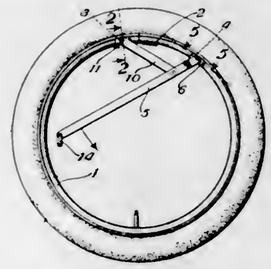
1. A compressor having in combination a crank case, a gear case adapted to contain lubricant, a main bearing between the said two cases having an internal shoulder located within the gear case, a crank shaft in said main bearing and also having a bearing in the outer end of the gear case, a main bushing for the crank shaft extending through the said main bearing to a point adjacent the said internal shoulder, a flexible packing around the crank shaft seated on said internal shoulder, and a gland for holding the packing in position, whereby lubricant is prevented from passing along the shaft from the gear case to the crank case.

1,467,067. CARBURETOR. RALPH F. PROCTOR and WILLIAM R. PROCTOR, West Point, Miss. Filed July 12, 1920. Serial No. 395,684. 1 Claim. (Cl. 123—127.)



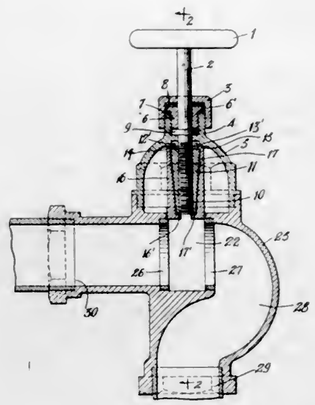
The combination with an intake manifold having a down-leg and longitudinally aligned branches extending in opposite directions therefrom and formed with valve seats adjacent said down-leg, of main and auxiliary carburetors having communication respectively with said branches and having a common source of supply, a piston valve disposed for engagement with either of said seats to selectively place one or the other of the branches in communication with said downleg, and a valve stem extending axially through one of the branches to a remote point for actuation of said valve for the purpose specified.

1,467,068. WHEEL-RIM-CONTRACTING DEVICE. PHILIP J. RIVERS, New Rochelle, N. Y. Filed Jan. 17, 1923. Serial No. 613,177. 3 Claims. (Cl. 157—1.)



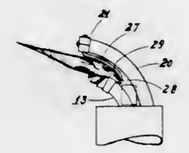
1. A device of the character described comprising a lever, a shoe pivotally mounted on the end of said lever, a rigid pin carried by said shoe, a link pivotally connected to said lever adjacent to said shoe, and a shoe pivotally mounted on the end of said link and carrying a rigid pin one side of said shoe being shaped to fit the rim flange and the other side having a plane surface normal to the pin.

1,467,069. ANGLE GATE VALVE. JACOB E. SCHEHR, New York, N. Y. Filed Dec. 18, 1920. Serial No. 431,547. 5 Claims. (Cl. 251—71.)



3. In an angle valve, a casing, a bonnet threaded to said casing, a threaded spindle operating within said casing and bonnet, a wedge interiorly threaded for said spindle, gates pinned to said wedge, flanges on said gates overlapping said wedge, ring seats for said gates, a stuffing box threaded to said bonnet and a flanged bushing therein for said spindle.

1,467,070. SELF-BLOWING TORCH. FRANCIS P. SCHMITT, Leetsdale, Pa., assignor to Peerblow Manufacturing Company, Leetsdale, Pa., a Corporation of Pennsylvania. Filed June 1, 1922. Serial No. 565,186. 3 Claims. (Cl. 158—35.)

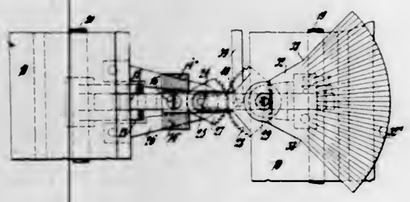


3. A self-blowing torch comprising a receptacle having a plurality of fuel chambers, a vaporizing tube extending upwardly and forwardly from one of said chambers and having a closed outer end, a wick therein, an open-ended lighting tube extending upwardly and forwardly from another fuel chamber also provided with a wick, the lighting tube being disposed in the same vertical plane as the vaporizing tube spaced from and disposed entirely below the vaporizing tube with the tip of the former terminating short of the outer extremity of the latter, a superheater tube connected to the vaporizing tube and extending backwardly a considerable distance and lying within the space between the vaporizing and lighting tubes whereby the same is partially heated by radiation from said tubes, the superheater tube being entirely disposed in the same vertical plane as the said vaporizing and lighting tubes and having a closed end adjacent to which is a vapor discharge port located behind and spaced from the open end of the lighting tube, the superheater tube being curved throughout a portion of its length at its closed extremity whereby to serve as a deflector.

1,467,071. CELLULOSE-ETHER COMPOSITION. PAUL C. SEEL, Rochester, N. Y., assignor to Eastman Kodak Company, Rochester, N. Y., a Corporation of New York. Filed Mar. 3, 1922. Serial No. 540,865. 5 Claims. (Cl. 134—79.)

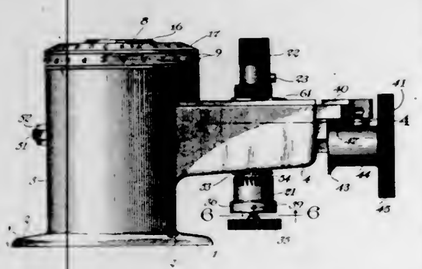
3. A composition of matter comprising cellulose ether, propylene chlorid and methyl acetate.

1,467,072. FEED MECHANISM FOR SEWING MACHINES. RALPH M. SHARAF, New York, N. Y., assignor to R. M. Sharaf Machine Co., Boston, Mass., a Corporation of Massachusetts. Filed Dec. 11, 1917, Serial No. 206,694. Renewed Oct. 29, 1921. Serial No. 511,440. 31 Claims. (Cl. 112—209.)



1. A feed mechanism comprising a longitudinally reciprocating feed bar and a feed dog pivoted to said bar and provided with feed teeth on opposite sides of its pivot, the pivot being carried by and adapted to reciprocate with said feed bar.

1,467,073. PIPE-STAMPING MACHINE. ROBERT R. SOLMSON, New Brunswick, N. J. Filed Aug. 5, 1922. Serial No. 579,889. 12 Claims. (Cl. 197—1.)

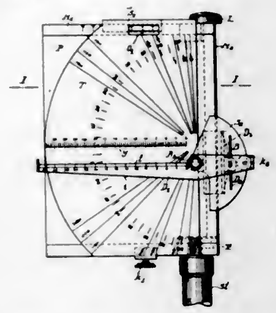


1. An apparatus of the character described including a type supporting member, and a pipe supporting member, one of said members being movable toward and away from the other member, automatic means for moving the movable member rapidly toward the other member, manually operated means for moving the movable member in the opposite direction and a pipe supporting spindle arranged on the pipe supporting member.

1,467,074. METHOD OF PURIFYING ACETIC ANHYDRIDE. CHARLES J. STROSACKER and CLARENCE C. SCHWEGLER, Midland, Mich., assignors to The Dow Chemical Company, Midland, Mich., a Corporation of Michigan. Filed Nov. 13, 1918. Serial No. 262,336. 8 Claims. (Cl. 260—123.)

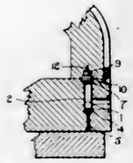
2. In a method of purifying acetic anhydride containing a sulphur compound of approximately the same boiling point as an impurity, the steps which consist in introducing into such anhydride an oxide of manganese insoluble therein but capable of readily uniting with such sulphur compound, and then distilling.

1,467,075. SURVEYING INSTRUMENT. HIERONYMUS TOTSCHNIG, Lienz, Austria. Filed Mar. 9, 1921. Serial No. 451,044. 4 Claims. (Cl. 33—67.) (Granted under the provisions of the act of Mar. 3, 1921, 41 Stat. L., 1313.)



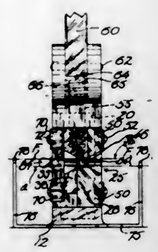
1. A surveying instrument, comprising a normally vertical limb, an alidade mounted for angular movement relatively to the same in a vertical plane and guides for adjusting the limb and the alidade in directions at right angle to each other.

1,467,076. MEANS FOR SECURING LOCKS. LOUIS DANIEL VANEY, Finchley, London, England. Filed June 18, 1923. Serial No. 646,208. 8 Claims. (Cl. 70—16.)



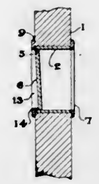
1. Means for securing locks, comprising a lock plate, a securing plate having at least one threaded hole associated with the concealed portion of the lock plate, at least one screw adapted to be screwed into its threaded hole from the back of the part in which the lock is located and a plain flange to the face of the lock adapted to be clamped into a recess in the part when the screw is tightened.

1,467,077. FILM MENDING AND ASSEMBLING MACHINE. ELMER L. VAN PELT, Denver, Colo., assignor to George Fruth, Denver, Colo., and HENRY E. MCELWAIN, Holyoke, Mass. Filed July 6, 1920. Serial No. 394,138. 21 Claims. (Cl. 154—42.)



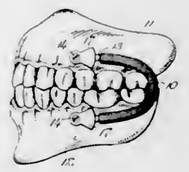
2. A film mending and assembling machine comprising a pair of relatively movable cutting blocks each of which has a pair of film receiving slots.

1,467,078. PAPER AND LETTER RECEIVER. ROBERT L. WEBB, Baltimore, Md. Filed May 9, 1922. Serial No. 559,671. 1 Claim. (Cl. 232—45.)



In a letter receiver, the combination with a door having an opening therethrough, a casting received in the opening having its corners provided with lugs that are let in the door and having its sides notched below the said lugs, a closure plate having short shafts journaled in the notches, frames on the inner and outer faces of the door opposite the edges of the casting, the outer frame having its lower edge formed with an inwardly directed flange and its inner side edges provided with similar flanges, the latter gradually decreasing in depth from their juncture with the longitudinal flange, the closure plate contacting said flanges and being prevented from outward movement by such contact, and means passing through the frames and door for securing the device on the door.

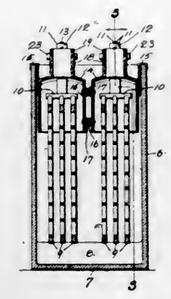
1,467,079. DENTAL APPLIANCE. JOHN M. WILSON, San Diego, Calif. Filed Apr. 18, 1922. Serial No. 554,685. 4 Claims. (Cl. 32—4.)



1. A dental appliance comprising upper and lower dentures, and a coil spring bowed intermediately and secured at its respective ends to said dentures whereby the latter normally are urged apart, the inner face of said spring being flat thereby to lie closely against said dentures.

1,467,080. ELECTRICAL APPARATUS FOR PRODUCING AND COLLECTING GASES. JAMES M. ALLEN, St. Louis, Mo., assignor of one-half to George Mertens, St. Louis, Mo. Filed Feb. 27, 1922. Serial No. 539,389. 5 Claims. (Cl. 204—5.)

1. An electrical apparatus for producing and collecting gases, comprising a jar, electrodes located in said jar, a liquid in said jar, hoods suspended in said jar, said hoods extending over and surrounding the upper

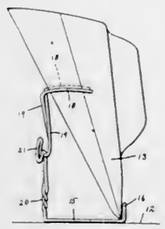


portion of said electrodes and extending into said liquid.

1,467,081. PROCESS FOR PRODUCING STABLE EMULSIONS OF EDIBLE OILS. EUGENE E. AYRES, Jr., Chester, Pa., assignor to The Sharples Specialty Company, Philadelphia, Pa., a Corporation of Delaware. Filed Dec. 6, 1920. Serial No. 428,459. 5 Claims. (Cl. 99—13.)

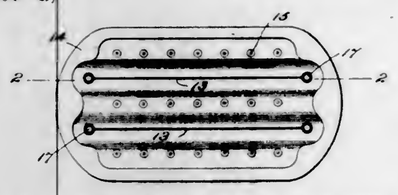
3. In the production of stable emulsions of edible oils, the process which consists in warming an edible oil and dissolving stearine therein, cooling the oil with the stearine therein and precipitating a portion of the stearine, and emulsifying the product of the cooling operation with an aqueous liquid adapted for forming an emulsion therewith.

1,467,082. STAND FOR PAPER DRINKING CUPS. EDWARD C. BALDWIN, Boston, Mass. Filed Jan. 18, 1922. Serial No. 530,103. 2 Claims. (Cl. 248—41.)



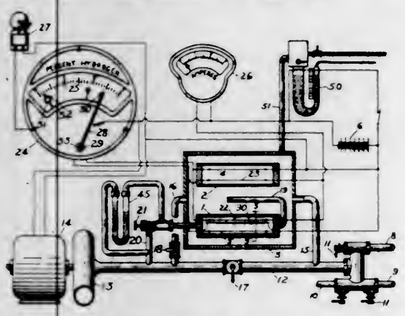
1. A cup stand comprising a base adapted to rest on a horizontal support, and having unobstructed opposite edge portions and intermediate edge portions, a standard rising from one of the intermediate edge portions, a pair of hooked jaws carried by the standard and overhanging the base, and a stop member rising from the other intermediate edge portion, the arrangement being such that the base constitutes a seat for the folded lower end of a normally flat-sided paper cup, and permits the extremities of said lower end to project from the said unobstructed edge portions, the jaws are adapted to confine the cup against edgewise movement in either direction and hold the longitudinal edges of the cup in position to bulge the opposite sides thereof, and the stop member is adapted to confine the lower end portion of the cup against sidewise movement in one direction, and to cooperate with the jaws and the base in supporting the cup in an inclined position.

1,467,083. ELECTROPLATING ANODE. BLASIUS BART, East Orange, N. J., assignor to Swiss Anode Corporation, a Corporation of New York. Filed May 24, 1922. Serial No. 563,224. 7 Claims. (Cl. 204—4.)



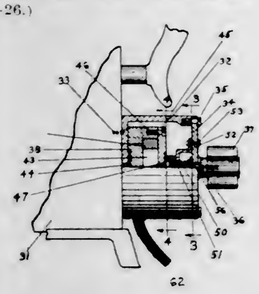
1. An anode comprising a body of active metal and a securing and reinforcing bar of inert metal adapted to hold said body together in the event of unequal consumption of the active metal resulting in the complete dissolution and disintegration of portions of said active metal.

1,467,084. METHOD OF INDICATING THE PRESENCE AND PERCENTAGE OF HYDROGEN. PRESTON R. BASSETT, Brooklyn, N. Y., assignor to Elmer A. Sperry, Brooklyn, N. Y. Filed Mar. 16, 1917. Serial No. 155,375. 12 Claims. (Cl. 265—44.)



1. The method of measuring the hydrogen content of air which comprises passing a current of air over an electrical conductor having an appreciable temperature resistance coefficient and ascertaining a function of the change in the resistance of the conductor caused by the differences in heat conductivity of air and hydrogen.

1,467,085. TEMPERATURE-CONTROLLED SWITCH. ROBERT S. BLAIR, Sound Beach, and BURLING D. WELLS, Danbury, Conn.; said Wells assignor to said Blair. Filed June 8, 1921. Serial No. 475,945. 10 Claims. (Cl. 219—26.)



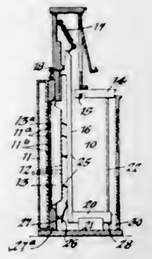
1. In electrical apparatus, in combination, an electrically heated device, a fusible member adapted to be heated from the heat of said device means adapted to cut down the current to said device upon said member being fused and means holding said fusible member in position until thoroughly fused.

1,467,086. BATH AND SCRUBBING CLOTH HOLDER. CHARLES BLOMSTROM, Minneapolis, Minn. Filed Apr. 17, 1922. Serial No. 554,152. 1 Claim. (Cl. 15—147.)



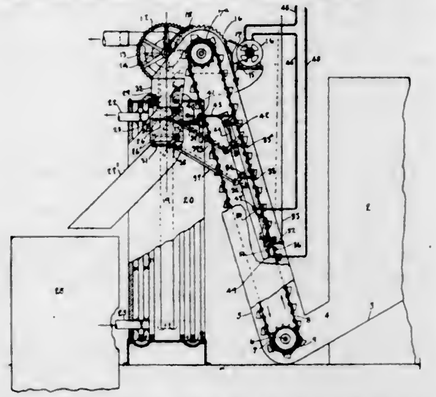
A bath and scrubbing cloth holder comprising a wire rod shank bent laterally at one end to form a plurality of transverse elongated loops having substantially parallel side rails, the end loops being closed at both ends and an intermediate loop, formed between said end loops, and closed at one end and open at the other, into which intermediate loop the middle portion of a cloth is inserted, the ends of the cloth being thrust through said closed loops and held by the rails thereof.

1,467,087. BANJO PIANO. JOSEPH A. BOEHRINGER, Buffalo, N. Y. Filed Mar. 9, 1922. Serial No. 542,473. 10 Claims. (Cl. 84—258.)



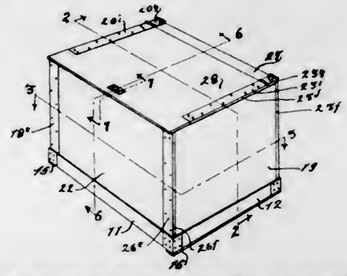
8. In an instrument of the character described, the combination of a sound-producing part, a longitudinally-movable lever fulcrumed intermediate its ends above said sound-producing part, the lower arm of said lever carrying a picker arranged to co-operate with said part, a suspension spring connected to the upper arm of said lever and tending to swing its lower arm away from the sound-producing part, means for guiding said lever in its longitudinal movements, and an actuating member for depressing said lever.

1,467,088. HEATING APPARATUS. CARLOS W. BREWER, Minneapolis, Minn. Filed Nov. 26, 1921. Serial No. 518,034. 10 Claims. (Cl. 110—101.)



1. The combination, with a fire-box, of means for automatically dumping and closing it, means for automatically admitting a fresh supply of fuel thereto when closed, and means for automatically igniting the fresh fuel so delivered.

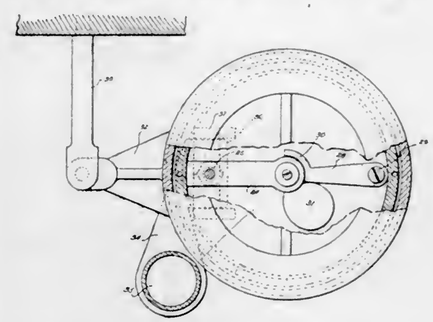
1,467,089. COLLAPSIBLE BOX. CHARLES S. BROWN, Glenmont, Ohio. Filed Aug. 23, 1921. Serial No. 494,460. 5 Claims. (Cl. 217—15.)



1. In a folding box, a rectangular base having relatively low fixed side and end walls, an end wall hinged to said base so as to fold flat thereagainst and to be movable to a vertical position, the other end wall hinged to said base on an axis in spaced parallel relation thereto so as to fold flat on the first named end wall and be movable to a vertical position, a front wall hinged to said base so as to swing on an axis in spaced parallel relation thereto and so as to fold flat against the last named end wall and be movable to a vertical position, a rear wall similarly hinged to said base so as to fold against said front wall, a lid adapted to extend over the upper edges of said side and end walls, said lid comprising a narrow portion and a wide portion, the said narrow portion being hinged to said rear wall so as to fold flat against the said front wall in the same plane with said rear wall, the said wide portion hinged to said narrow portion so as to fold flat on said rear wall and narrow portion, and interlocking means associated with said walls whereby the same may be held in an open position.

1,467,090. SHOCK ABSORBER. ROBERT R. BROWN and GEORGE M. PETERSON, Seattle, Wash. Filed Mar. 5, 1921. Serial No. 449,880. 6 Claims. (Cl. 188—89.)

1. A shock absorber including a hollow casing adapted to contain a body of noncompressible liquid, a gate operated in said casing to move the body of liquid, a cut-off to control the movement of such body of liquid, said cut-off having a part adapted to cooperate with the gate to



provide a fluid passage between said cut-off and gate in the movement of the cut-off, and means on the gate to control the movement of the cut-off.

1,467,091. CELLULOSE-ETHER SOLVENT AND COMPOSITION. STEWART J. CARROLL, Rochester, N. Y., assignor to Eastman Kodak Company, Rochester, N. Y., a Corporation of New York. Filed Apr. 5, 1921. Serial No. 458,742. 5 Claims. (Cl. 134—79.)

4. A viscous flowable film-forming composition, comprising an alkyl ether of cellulose dissolved in a compound solvent containing from 50 to 60 parts by weight of methyl acetate and from 50 to 40 parts of monochlornaphthalene.

1,467,092. CELLULOSE-ETHER COMPOSITION. STEWART J. CARROLL, Rochester, N. Y., assignor to Eastman Kodak Company, Rochester, N. Y., a Corporation of New York. Filed Mar. 3, 1922. Serial No. 540,803. 7 Claims. (Cl. 134—79.)

5. A composition of matter comprising cellulose ether in a mixture of 10 to 95 parts of dibenzylamine with 90 to 5 parts of methyl acetate.

1,467,093. CELLULOSE-ETHER COMPOSITION. STEWART J. CARROLL, Rochester, N. Y., assignor to Eastman Kodak Company, Rochester, N. Y., a Corporation of New York. Filed Mar. 3, 1922. Serial No. 540,804. 7 Claims. (Cl. 134—79.)

5. A composition of matter comprising cellulose ether in a mixture of 10 to 90 parts of ethyl benzene with 90 to 10 parts of methyl acetate.

1,467,094. CELLULOSE-ETHER COMPOSITION. STEWART J. CARROLL, Rochester, N. Y., assignor to Eastman Kodak Company, Rochester, N. Y., a Corporation of New York. Filed Mar. 3, 1922. Serial No. 540,805. 7 Claims. (Cl. 134—79.)

5. A composition of matter comprising cellulose ether in a mixture of 10 to 90 parts of dimethylaniline with 90 to 10 parts of methyl acetate.

1,467,095. CELLULOSE-ETHER COMPOSITION. STEWART J. CARROLL, Rochester, N. Y., assignor to Eastman Kodak Company, Rochester, N. Y., a Corporation of New York. Filed Mar. 3, 1922. Serial No. 540,806. 7 Claims. (Cl. 134—79.)

5. A composition of matter comprising cellulose ether in a mixture of 10 to 90 parts of methyl acetate.

1,467,096. CELLULOSE-ETHER COMPOSITION. STEWART J. CARROLL, Rochester, N. Y., assignor to Eastman Kodak Company, Rochester, N. Y., a Corporation of New York. Filed Mar. 3, 1922. Serial No. 540,807. 7 Claims. (Cl. 134—79.)

5. A composition of matter comprising cellulose ether in a mixture of 10 to 90 parts of ethyl benzylaniline with 90 to 10 parts of methyl acetate.

1,467,097. CELLULOSE-ETHER COMPOSITION. STEWART J. CARROLL, Rochester, N. Y., assignor to Eastman Kodak Company, Rochester, N. Y., a Corporation of New York. Filed Mar. 3, 1922. Serial No. 540,808. 7 Claims. (Cl. 134—79.)

5. A composition of matter comprising cellulose ether in a mixture of 10 to 50 parts of cyclohexanol with 90 to 50 parts of ethyl acetate.

1,467,098. CELLULOSE-ETHER COMPOSITION. STEWART J. CARROLL, Rochester, N. Y., assignor to Eastman Kodak Company, Rochester, N. Y., a Corporation of New York. Filed Mar. 3, 1922. Serial No. 540,856. 7 Claims. (Cl. 134—79.)

4. A composition of matter comprising cellulose ether dissolved in a mixture containing from 90 to 10 parts by weight of acetophenone and 10 to 90 parts of a volatile vehicle carrying said ingredients.

1,467,099. CELLULOSE-ETHER COMPOSITION. STEWART J. CARROLL, Rochester, N. Y., assignor to Eastman Kodak Company, Rochester, N. Y., a Corporation of New York. Filed Mar. 3, 1922. Serial No. 540,857. 3 Claims. (Cl. 134—79.)

2. A composition of matter comprising cellulose ether dissolved in a mixture containing from 90 to 10 parts by weight of ethyl iodid and 10 to 90 parts of a volatile vehicle carrying said ingredients.

1,467,100. CELLULOSE-ETHER COMPOSITION. STEWART J. CARROLL, Rochester, N. Y., assignor to Eastman Kodak Company, Rochester, N. Y., a Corporation of New York. Filed Mar. 3, 1922. Serial No. 540,858. 7 Claims. (Cl. 134—79.)

4. A composition of matter comprising cellulose ether dissolved in a mixture containing from 90 to 10 parts by weight of ethylene bromide and 10 to 90 parts of a volatile vehicle carrying said ingredients.

1,467,101. CELLULOSE-ETHER COMPOSITION. STEWART J. CARROLL, Rochester, N. Y., assignor to Eastman Kodak Company, Rochester, N. Y., a Corporation of New York. Filed Mar. 3, 1922. Serial No. 540,859. 5 Claims. (Cl. 134—79.)

4. A composition of matter comprising cellulose ether dissolved in a mixture containing from 90 to 10 parts by weight of cyclohexanone and 10 to 90 parts of a volatile vehicle carrying said ingredients.

1,467,102. CELLULOSE-ETHER COMPOSITION. STEWART J. CARROLL, Rochester, N. Y., assignor to Eastman Kodak Company, Rochester, N. Y., a Corporation of New York. Filed Mar. 3, 1922. Serial No. 540,860. 5 Claims. (Cl. 134—79.)

4. A composition of matter comprising cellulose ether dissolved in a mixture containing from 90 to 10 parts by weight of methylene chlorid and 10 to 90 parts of a volatile vehicle carrying said ingredients.

1,467,103. CELLULOSE-ETHER COMPOSITION. STEWART J. CARROLL, Rochester, N. Y., assignor to Eastman Kodak Company, Rochester, N. Y., a Corporation of New York. Filed Mar. 3, 1922. Serial No. 540,861. 7 Claims. (Cl. 134—79.)

4. A composition of matter comprising cellulose ether dissolved in a mixture containing from 90 to 10 parts by weight of butyl tartrate and 10 to 90 parts of a volatile vehicle carrying said ingredients.

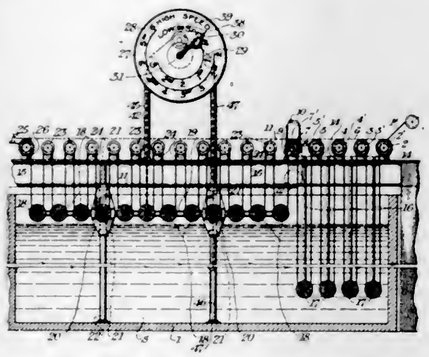
1,467,104. CELLULOSE-ETHER COMPOSITION. STEWART J. CARROLL, Rochester, N. Y., assignor to Eastman Kodak Company, Rochester, N. Y., a Corporation of New York. Filed Mar. 3, 1922. Serial No. 540,862. 7 Claims. (Cl. 134—79.)

4. A composition of matter comprising cellulose ether dissolved in a mixture containing from 90 to 10 parts by weight of benzaldehyde and 10 to 90 parts of a volatile vehicle carrying said ingredients.

1,467,105. CELLULOSE-ETHER COMPOSITION. STEWART J. CARROLL, Rochester, N. Y., assignor to Eastman Kodak Company, Rochester, N. Y., a Corporation of New York. Filed Mar. 25, 1922. Serial No. 546,862. 6 Claims. (Cl. 134—79.)

4. A composition of matter comprising cellulose ether dissolved in a mixture of 10 to 90 parts of ethylene trichlorid and 90 to 10 parts of a liquid compound which coacts with said ethylene trichlorid to give said mixture greater solvent action on the cellulose ether than the sum of the solvent actions of its said constituents used alone, said liquid compound being based upon a monohydroxy aliphatic alcohol containing less than six carbon atoms.

1,467,106. PHOTOGRAPHIC-FILM-TREATING APPARATUS. CHARLES DE MOOS, Fort Lee, N. J., assignor to Eastman Kodak Company, Rochester, N. Y., a Corporation of New York. Filed June 9, 1922. Serial No. 567,147. 15 Claims. (Cl. 95—94.)



1. In an indicating device for film-treatment machines including a tank and a movable film guide therein, the combination with an indicator, of operative connections between the indicator and the movable film guide whereby the position of the guide relative to the tank will be automatically registered on the indicator.

1,467,107. PROCESS OF MAKING ALKALI CELLULOSE. EDWARD S. FARROW, Jr., Rochester, N. Y., assignor to Eastman Kodak Company, Rochester, N. Y., a Corporation of New York. Filed Nov. 4, 1922. Serial No. 599,140. 4 Claims. (Cl. 260—11.)

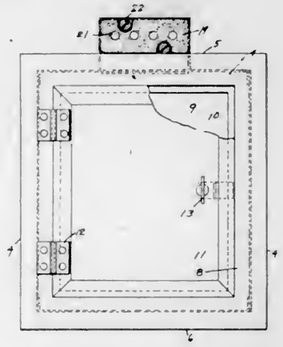
4. The process of preparing alkali cellulose for etherification, which comprises the steps of mixing cellulose with an aqueous solution of alkali containing an excess of alkali and of water over the amounts required for the etherification, mechanically removing said excess of alkali and part of said excess of water and then removing the remainder of said excess of water by passing a rapid current of hot dry gas in contact with the alkali cellulose.

1,467,108. DENTAL FILM MOUNT. MILLARD B. HODGSON, Rochester, N. Y., assignor to Eastman Kodak Company, Rochester, N. Y., a Corporation of New York. Filed Oct. 26, 1920. Serial No. 419,757. 3 Claims. (Cl. 40—158.)



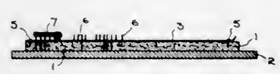
3. A transparency comprising a backing sheet having a light-transmitting viewing portion, a second sheet attached thereto and having an opening larger than said viewing portion, an image-bearing, light-transmitting sheet fitting within said opening and attached at its margins only, by means of a slow-drying adhesive composition, to the backing sheet.

1,467,109. SERVICE SWITCH BOX. HENRY F. HOLKENBRINK, Portland, Oreg. Filed May 2, 1921. Serial No. 466,069. 1 Claim. (Cl. 247—9.)



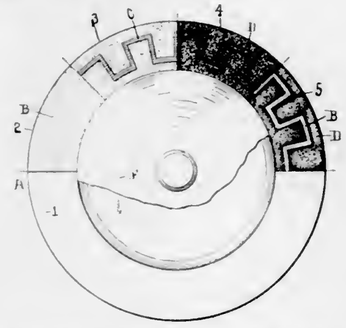
The combination of a flush switch box having a front which extends beyond its sides and containing a door and having a rectangular opening cut in its top near said front with an outlet compartment secured over said opening consisting of a vertical back whose lower edge turns under the rear of said opening and is secured thereto and having a top extending from said back to the flush line, side members extending from the compartment top to the flush box top, an insulated cover adapted to close said outlet along the flush line and screws adapted to secure said cover to the back of said compartment.

1,467,110. STAMP AND METHOD OF MAKING SAME. JOHN IRVING and ALBERT JAMES RISON, Wanganui, Wellington, New Zealand. Filed May 20, 1922. Serial No. 562,547. 5 Claims. (Cl. 101—32.)



1. A method of producing a device of the kind described, comprising inserting pins in an imperforate material to conform to the configuration of a design, securing a backing on the pins, and removing the material in which the pins were inserted.

1,467,111. MANUFACTURE OF ORNAMENTED WARE. JOHN B. LESSELL, Zanesville, Ohio, assignor to The Lessell Company, Zanesville, Ohio, a Corporation of Ohio. Filed Apr. 13, 1923. Serial No. 631,873. 4 Claims. (Cl. 41—29.)

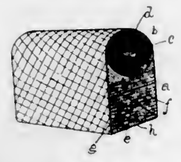


1. The method of treating the surfaces of glass, pottery, porcelain, metal, and like articles, which consists in applying to the article, a material of selected outline which will not fuse, applying thereon and over the said material a fluid containing the desired coloring matter, firing the article to fuse the coloring matter, and then removing the said material and coloring matter thereon from the article.

1,467,112. PROCESS OF MAKING MOLDS. THEOPHEILES D. LUCIER, Detroit, Mich. Filed Sept. 25, 1920. Serial No. 412,851. 4 Claims. (Cl. 22—188.)

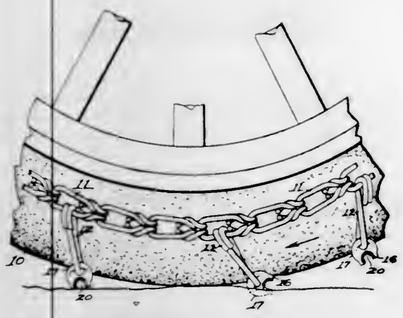
1. The process of making molds which consists in shaping a plastic mixture of graphite and coal tar or pitch to a desired configuration, carbonizing the tar or pitch while maintaining the configuration and then converting the carbonized tar or pitch into graphite.

1,467,113. PACKING FOR PISTONS. THEODORE A. MEYERS, Toledo, Ohio. Filed Apr. 15, 1921. Serial No. 461,545. 4 Claims. (Cl. 154—45.5.)



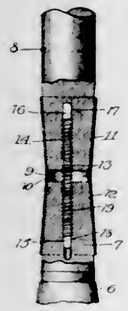
3. An expansible packing embodying a resilient section provided with a tubular rubber core, a pair of parallel fabric body triangular sections, and a jacket for assembling said sections as a unit.

1,467,114. ANTISKID DEVICE. HENRY ST. PIERRE, Worcester, Mass. Filed Sept. 15, 1921. Serial No. 500,765. 7 Claims. (Cl. 152—14.)



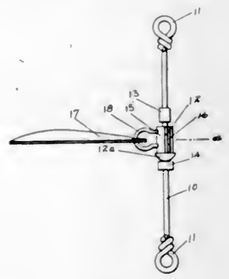
4. As an article of manufacture, an antiskid device for the purpose described, comprising a tread member having its inner surface longitudinally concave and transversely convex for engagement with the surface of the tire, the ends thereof diverging from each other, the outer or ground-contacting surface of said tread member having a groove extending therethrough concentric with said convex surface, the edges of said tread member on opposite sides of said groove being thicker at the center than at the ends and flat and parallel along their outer surfaces and having angular projections at their ends adapted to dig into the ground if the tread member slips into an inclined position on the tire.

1,467,115. BROOM. JOHN M. RAUHOFF, Tinley Park, Ill. Filed Sept. 4, 1920. Serial No. 408,262. 7 Claims. (Cl. 287—119.)



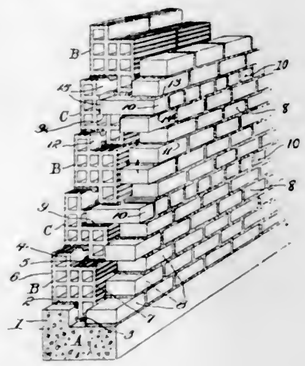
5. The combination with two rods, of a coupling for connecting said rods together in end-to-end relation comprising a ferrule surrounding the adjacent ends of said rods and a screw-threaded member engaging said rods, the engagement of said screw-threaded member with said rods being a threaded engagement, said ferrule and said rods being so related, and said coupling being so constructed and arranged, that should said rods become loose in the ferrule, rods and ferrule will be relatively moved into tight engagement with each other in the relative rotation of said threaded member and said rods.

1,467,116. TROLLING SPOON. ANDREW REEKERS, Portland, Oreg. Filed Mar. 13, 1922. Serial No. 543,361. 5 Claims. (Cl. 43—45.)



1. A spindle; a rotary member upon said spindle; means to prevent longitudinal movement of said rotary member upon said spindle; a sleeve adapted to be mounted upon or removed from said rotary member; and a spoon attached to said sleeve.

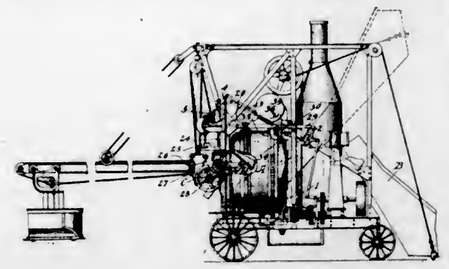
1,467,117. HOLLOW-TILE WALL CONSTRUCTION. RICHARD S. REQUA, San Diego, Calif. Filed Sept. 8, 1919. Serial No. 322,364. 4 Claims. (Cl. 72—41.)



1. A wall structure of brick facing having a header course and hollow tile backing, the tile being of substantially Z form with the tile opposite the header course of brick broken away to receive the header brick, the tile above such header brick being of normal form and resting directly upon such header brick.

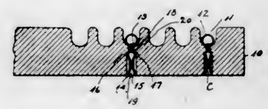
1,467,118. AUTOMATIC CONTROL MEANS FOR MIXERS. JOHN F. ROBB, Cleveland Heights, Ohio, assignor, by mesne assignments, to Koehring Company, Milwaukee, Wis., a Corporation of Wisconsin. Original application filed Aug. 11, 1916. Serial No. 114,481. Divided and this application filed Oct. 27, 1920. Serial No. 419,974. 15 Claims. (Cl. 83—73.)

1. In combination, a mixer, a discharging device therefor, automatic means for moving said discharging device from non-discharging position, a charging device for introducing materials into the mixer, means intermediate said charging device and the said automatic means whereby one is controlled from the other, water supply means associated with said mixer, and means



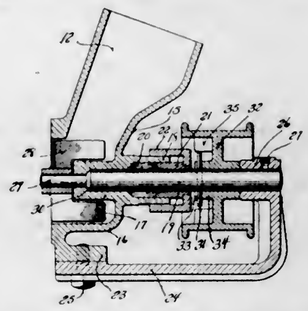
intermediate the charging device and said water supply means whereby the action of the latter is controlled from the charging device.

1,467,119. ELECTRIC-CONDUCTOR-SECURING MEANS. THOMAS C. RUSSELL, Chicago, Ill. Filed Nov. 23, 1922. Serial No. 602,912. 5 Claims. (Cl. 219—37.)



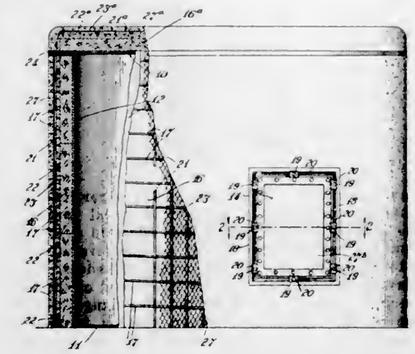
1. The combination with an electrical conductor of a supporting base therefor, said base having a clip receiving hole therein of restricted inlet diameter, and a hairpin shaped spring clip having shoulders normally apart, said clip receiving said conductor at its bend, said shoulders being forced together during passage of the clip through the restricted inlet to said hole and springing apart when below said restricted inlet to anchor said conductor to said base.

1,467,120. WATER-CIRCULATING PUMP FOR ENGINES. PAUL F. SCHRYER, Wauwatosa, Wis. Filed May 8, 1922. Serial No. 559,404. 3 Claims. (Cl. 103—89.)



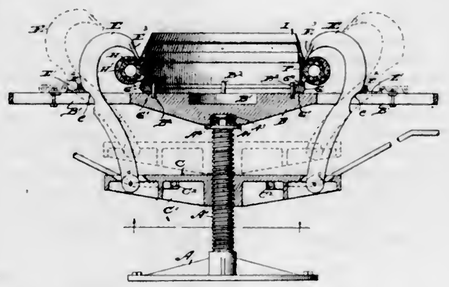
1. A circulating pump for an internal combustion engine comprising a casing having apertured ears and a machined face whereby the casing is adapted to be bolted directly to said engine, a bearing integral therewith, a shaft journaled in said bearing, said casing having a machined face, a bracket having a correspondingly machined face, bolts adapted to detachably secure said bracket to said casing with the said faces in contact, a second bearing carried by said bracket and adapted to support the outer end of said shaft, a pulley mounted between said supports and having a hub provided with a diametrical slot across one end, a pin carried by said shaft and adapted to seat within said slot, and an impeller carried by said shaft and positioned interiorly of said casing, whereby said pulley is detachably operatively coupled to said shaft by a sliding joint and is held in place by said bracket.

1,467,121. HEAT-INSULATED STRUCTURE. JULIAN C. SMITH and ARNOLD W. TOTMAN, Chicago, Ill. Filed Dec. 5, 1921. Serial No. 520,176. 7 Claims. (Cl. 72—14.)



2. In combination, a metal tank having heat insulating jackets of cork overlying the outer surfaces of the tank walls, and reenforced concrete jackets overlying the heat insulating jackets directly.

1,467,122. MACHINE FOR INSTALLING AND REMOVING TIRES FROM RIMS. JAMES W. H. SNELL, Detroit, Mich. Filed Mar. 26, 1920. Serial No. 368,926. 10 Claims. (Cl. 157—6.)



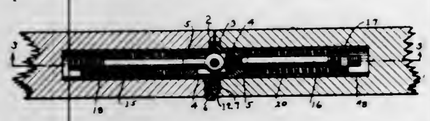
1. In a machine of the character described, a screw-shaft, means for supporting the shaft, a floating rotatable table mounted on the end of the shaft, adapted to receive and support a vehicle rim and tire, a vertically movable draw-plate adapted to traverse said shaft and rotatable simultaneously with the said table, a plurality of hooks designed to engage a tire supported upon said table, said hooks being pivoted to said draw-plate, whereby upon raising or lowering the latter the hooks may act upon the tire to install or remove it from the rim.

1,467,123. PAPER RECEPTACLE OR CONTAINER. IRVING STANLEY, New York, N. Y., assignor to Angel International Corporation, New York, N. Y., a Corporation of Maine. Filed May 31, 1921. Serial No. 473,950. 3 Claims. (Cl. 229—1.5.)



1. As a new article of manufacture, a paper receptacle or container comprising a sheet of material formed to tubular shape with the longitudinal edges in overlapped relation and secured together by an adhesive strip applied to the outer side of the overlapped edges, and a peripherally flanged disk inserted in one end of the tube, and secured therein by rolling the disk flange and end portion of the receptacle together, thereby forming an open end receptacle, the opposite end of the receptacle being adapted to be collapsed to close said end of the receptacle.

1,467,124. DOOR HINGE. LOUIS A. SUNDE and RICHARD H. DALTON, Cleveland, Ohio. Filed July 15, 1921. Serial No. 484,914. 1 Claim. (Cl. 16—190.)



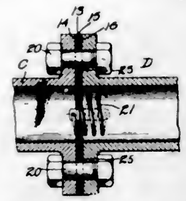
A door hinge, comprising separate plates having lateral projecting portions and coacting pins and openings in their face portions adapted to permit turning movements of said plates, round bearing bosses on said plates axially co-incident with each other, openings through said bosses in axial alignment, tubes affixed to said bosses, links pivotally connected in axial alignment at the meeting line of said plates and extending in slidable bearing through said openings in the bosses and into said tubes, coil springs within said tubes upon said links bearing against said bosses, and screw nuts engaged with the extremities of said links adapted to place said springs under compression.

1,467,125. FURRING STRIP. MERTON B. THRIFT, Piedmont, Calif. Filed Oct. 11, 1922. Serial No. 593,901. 4 Claims. (Cl. 72—118.)



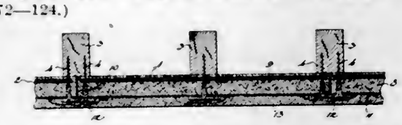
1. A sheet-metal furring strip, substantially V-shaped in cross-section, the ridge of said strip perforated with holes for the reception of fastening means, and the sides thereof notched for the keying of plaster behind said strip.

1,467,126. VAPORIZING DEVICE FOR GASOLINE ENGINES. CARL D. TURNER, Indianapolis, Ind. Filed Dec. 13, 1921. Serial No. 522,151. 5 Claims. (Cl. 219—38.)



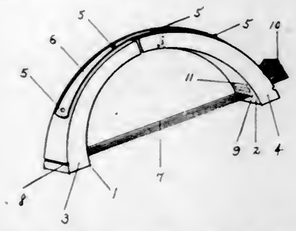
1. A heating device interposed in the intake manifold of a gasoline engine and connected in the circuit with the starting motor to be heated by the operating current for said starting motor.

1,467,127. BUILDING STRUCTURE. CURRY ORA WALPER, Detroit, Mich., assignor of one-third to Frank A. Masten and one-third to Bernard E. Clark, both of Detroit, Mich. Original application filed Aug. 20, 1921, Serial No. 493,921. Divided and this application filed July 24, 1922. Serial No. 576,969. 18 Claims. (Cl. 72—124.)



1. A board comprising a metal fabric backing, a series of metallic strips secured to the backing and having projecting members and a plastic composition body interlocked with said projecting members.

1,467,128. COMB CLEANER. JAMES A. WALSH, Toledo, Ohio. Filed Oct. 23, 1922. Serial No. 596,501. 1 Claim. (Cl. 132—30.)

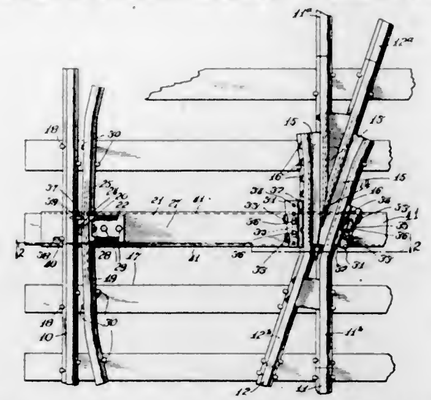


A comb cleaner comprised of arch shaped sections forming the jaws and body thereof, cleaning cord threading holes positioned along the base of said arch shaped sections about the jaws thereof, a spring plate to which said arch shaped sections are secured to spread apart their jaws and a cleaning cord suspended back and forth under tension from said threading holes, substantially as hereinbefore described.

1,467,129. GUARD-RAIL BRACE. HAROLD G. WARR, Park Ridge, Ill., assignor to The P & M Company, Chicago, Ill., a Corporation of Illinois. Filed Aug. 17, 1921. Serial No. 493,099. 18 Claims. (Cl. 238—17.)

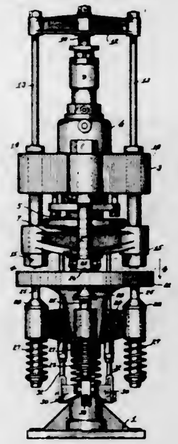
1. The combination with a frog structure, of a railway track and a guard rail arranged adjacent a running rail at the opposite side of the track with capacity for relative movement of said guard and running rails, of means for securing said guard rail in fixed position with

relation to the point of the frog so that said running rail may move without disturbing the position of said



guard rail with relation to said frog and so that lateral movement of the guard rail imparts a corresponding movement to the frog structure.

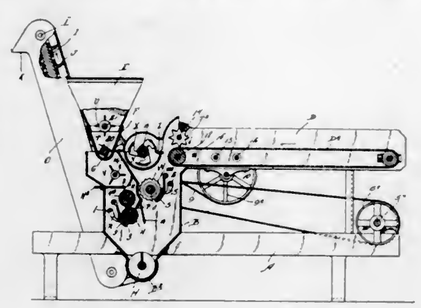
1,467,130. HYDRAULIC PRESS. LESLIE D. WHITNEY, San Francisco, Calif. Filed Aug. 28, 1922. Serial No. 584,653. 5 Claims. (Cl. 100—57.)



1. A press comprising a fixed support; a rotatable member mounted thereon and provided with a mold; a reciprocative compressing die coacting with said mold from one side as the same is brought into registry therewith by the rotation of said member; a reciprocative resisting die carried by said rotatable member and adapted to coact with said mold from the other side; a fixed member carried by said support for holding said resisting die in functional compressing position relatively to said mold when the latter is in registry with the compressing die; and means for moving said resisting die to eject a previously compressed mold content when said mold is out of registry with the compressing die.

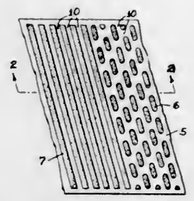
1,467,131. MACHINE FOR REDUCING STOCK-FEED MATERIALS. HENRY S. WIKEL and MARTIN F. THATCHER, York, Pa. Filed Sept. 25, 1920. Serial No. 412,690. 1 Claim. (Cl. 146—29.)

An organized mechanism for reducing different kinds of stock-feed materials and commingling the same, comprising a main frame, a casing therein and carried thereby, a screw conveyor in the bottom of said casing, a partition in said casing and provided at intermediate points with upper and lower chutes, a hopper having a lower foraminous portion disposed in the upper end of the casing at one side of said partition, a rotary cutter in the lower portion of said hopper, a rotary agitator in the casing at said side of the partition and below said hopper, an adjustable cut-off guided in one wall of the cas-



ing and arranged below said rotary agitator and opposed to the upper chute on the partition, upper and lower toothed rolls arranged at said side of the partition and below said cut-off and also arranged with their meeting portions opposite the lower chute on the partition, and means in the casing at the opposite side of the partition and in communication with the portion of the casing below the partition for comminuting long stock feed matter.

1,467,132. APPLICATION OF LUMINOUS COMPOUNDS. LOUIS C. BILSTEIN, West Orange, N. J., assignor to United States Radium Corporation, a Corporation of Delaware. Filed Jan. 17, 1922. Serial No. 529,826. 10 Claims. (Cl. 240—1.)

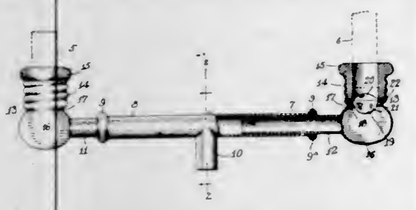


1. The method of applying a luminous compound to an object to be rendered self-luminous, which consists in providing a surface of the object with a plurality of spaced bodies of the material, said bodies being so spaced as to permit the ingredients in one body of the material to act upon the ingredients of adjacent bodies of material, substantially as described.

1,467,133. ADJUSTABLE WATER-DISCHARGE DEVICE. JOSEPH F. BRUST, Brooklyn, N. Y. Filed Feb. 15, 1922. Serial No. 536,643. 2 Claims. (Cl. 137—111.)

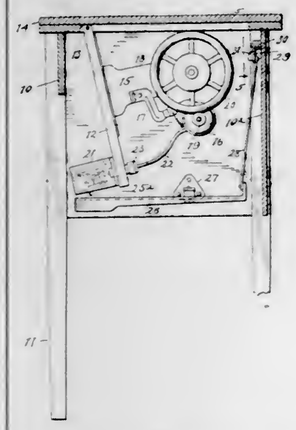
2. A water discharge device of the class described comprising a central tubular member provided with a discharge spout, L-shaped tubular members detachably and movably mounted in connection with said first named member and comprising parts adapted to extend into and out of said first named member and threaded parts joined

to said first named parts through enlarged bodies, the free ends of said first named member being enlarged to form annular recesses and packing rings mounted in said recesses to seal the connection between said members,



said L-shaped members being provided with strainer devices, and means for retaining said strainer devices in said members and for mounting said members in connection with suitable supports.

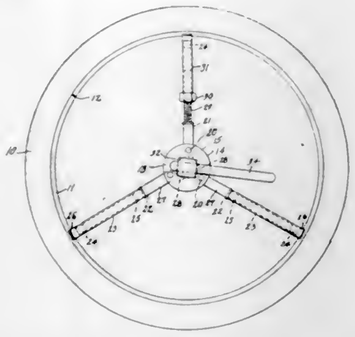
1,467,134. ELECTRICALLY-DRIVEN DROPHEAD SEWING MACHINE. CHARLES E. COLEGROVE, East Cleveland, Ohio, assignor to White Sewing Machine Company, Cleveland, Ohio, a Corporation of Ohio. Filed July 11, 1921. Serial No. 483,698. 5 Claims. (Cl. 45—27.)



2. In an electrically driven sewing machine of the drop head type, a cabinet having a fixed portion and a movable portion, a sewing machine head mounted on the movable portion and adapted to be swung down into the cabinet or upward into operative position, a motor for driving the machine and a rheostat for controlling the motor both movable with the head and with said movable part of the cabinet, and means on the relatively fixed part of the cabinet adjacent the rheostat when the head is in operative position for operating the rheostat, said rheostat having a part with which said operating means is adapted to engage when the head is in operative position.

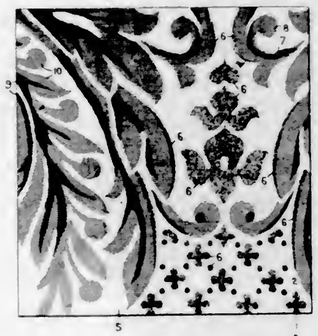
1,467,135. IMPLEMENT FOR EXPANDING DEMOUNTABLE RIMS. ANDREA CONTI and AMATORE BORRONI, New Haven, Conn. Filed Jan. 31, 1922. Serial No. 533,003. 4 Claims. (Cl. 157—1.)

1. A rim expander comprising a support provided with a hub, a plurality of elements pivoted to the support outwardly of the hub and adapted to engage the inner wall of an expansible rim, part of said elements being provided with stops adapted to coact with the hub to limit



movement of said elements in one direction about their pivots, and means for rotating the support to move the elements outwardly to expand the rim.

1,467,136. ORNAMENTAL PILE FABRIC AND METHOD OF PRODUCING THE SAME. SAMUEL E. CREASEY, Alfred, Me., assignor to Sanford Mills, Sanford, Me., a Corporation of Maine. Filed Jan. 13, 1923. Serial No. 612,401. 4 Claims. (Cl. 41—26.)

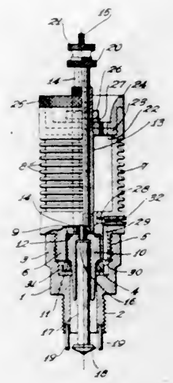


1. The method of producing an ornamental pile fabric which consists in weaving the pile fabric with a back and with pile of a color contrasting with the color of the back, cutting the pile to form areas of high and low pile arranged in a predetermined pattern distinguishable by the different extents to which the back of the fabric shows through, and printing upon the areas of the high pile a second pattern in a color contrasting therewith.

1,467,137. SPARK PLUG. EDWARD T. CURRAN, Detroit, Mich. Filed Apr. 20, 1921. Serial No. 462,990. 4 Claims. (Cl. 123—169.)

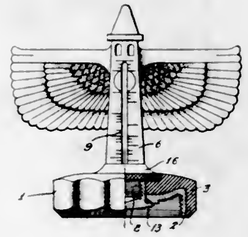
1. A spark plug embodying a hollow casing, an insulating element extending longitudinally through said casing and positioned substantially coaxial thereof to form an annular chamber adapted to contain water, a sleeve surrounding that portion of the insulating element which

extends through the chamber to preclude the water within said chamber from contacting with the insulating ele-



ment, and means for regulating the flow of water from the chamber into the interior of the engine cylinder with which the plug is associated.

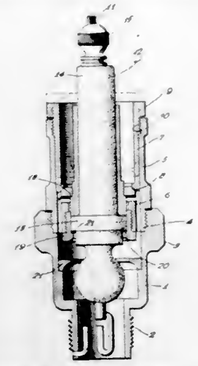
1,467,138. AUTO RADIATOR-THERMOMETER MOUNTING. EDWARD T. CURRAN, Detroit, Mich. Filed May 24, 1921. Serial No. 472,142. 2 Claims. (Cl. 73—52.)



1. A thermometer mounting embodying an apertured radiator cap, a thermometer holder carrying a thermometer and provided with a depending threaded tubular stem in which the bulb of the thermometer is housed, and an interiorly threaded blind nut adapted to screw upon the stem of the holder and provided with an enlarged head, whereby the threaded stem of the holder is adapted to be passed through an aperture in the radiator cap, and the nut screwed on to said stem to mount the holder firmly on the cap and simultaneously seal the lower end of the stem of the holder, so that the bulb of the thermometer will not be exposed to vapor within the associated radiator.

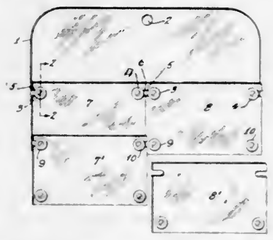
1,467,139. SPARK PLUG. EDWARD T. CURRAN, Detroit, Mich. Filed Sept. 20, 1921. Serial No. 501,897. 4 Claims. (Cl. 123—169.)

1. A spark plug, the upper portion of which is provided with a cup and the lower portion of which is provided with a plug chamber adapted for unrestricted communication with an associated engine cylinder, a plurality of ducts extending from the interior of the cup to the plug chamber, all of which ducts are positioned exteriorly of, and at the same distance from, the axis of the plug, and a tubular sleeve valve having threaded engagement with the interior of the cup and adapted to be rotated to



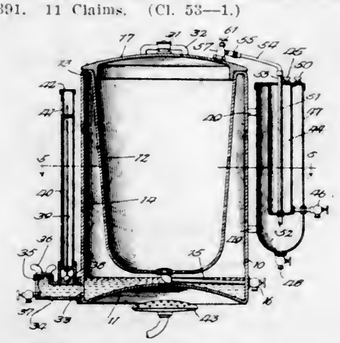
bring the lower edge of the valve into or out of cooperative relation with the ducts for the purpose of sealing or unsealing the same.

1,467,140. DISPLAY DEVICE. ALFRED DE MEURISSE, New York, N. Y. Filed Sept. 30, 1922. Serial No. 591,483. 6 Claims. (Cl. 40—128.)



3. A display device embodying a plurality of strips, each of which is provided at two of its adjacent corners with oppositely extending slots, and at its two other adjacent corners with forwardly projecting studs, whereby the several strips may be consecutively secured together by bringing the slots of each successive strip into cooperative relation with the studs of the preceding strip.

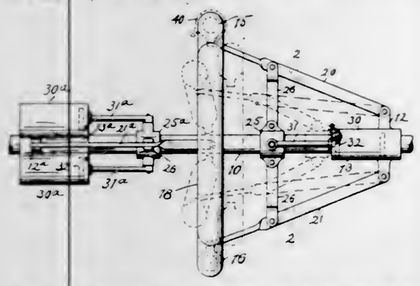
1,467,141. COOKING APPARATUS. ALFRED M. DEMUTH, Chicago, Ill. Filed June 19, 1922. Serial No. 569,391. 11 Claims. (Cl. 53—1.)



10. An apparatus for cooking articles of food, said apparatus operating at pressures other than atmospheric and embodying a cooking chamber, means forming a closure for

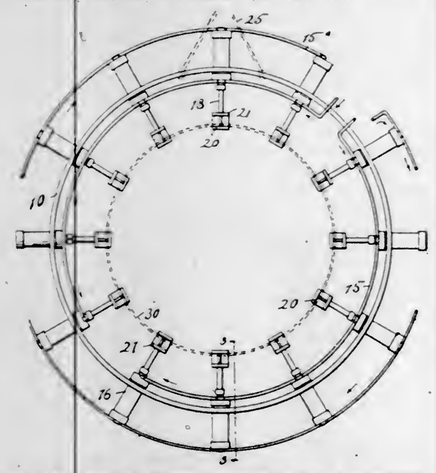
the chamber, means for conveying away from the chamber the vapor generated in the chamber and for conserving and condensing the vapor, and means for controlling the last recited means at will.

1,467,142. COLLAPSIBLE TIRE CORE. HAROLD A. DENMIRE, Akron, Ohio, assignor of one-half to The General Tire and Rubber Company, Akron, Ohio, a Corporation of Ohio. Filed Feb. 3, 1921. Serial No. 442,153. 7 Claims. (Cl. 154—9.)



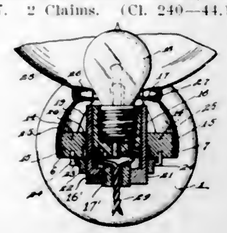
2. A collapsible tire core made up of two pairs of movable arc-shaped sections which in their expanded positions will be circumferentially aligned and form an annular core; the sections of each pair being located in diametrically opposite positions but between the ends of the sections of the other pair, means by which to move and hold said sections in the expanded and circumferentially aligned positions and to move them away from their position through paths which carry the sections of one pair toward the axis of the shaft and to one side of the plane in which the expanded core is located and which carry the sections of the other pair toward the axis of the shaft but toward the opposite side of the plane in which the expanded core is located.

1,467,143. FABRIC-RING STRETCHING AND APPLYING DEVICE. HAROLD A. DENMIRE, Akron, Ohio, assignor to The General Tire and Rubber Company, Akron, Ohio, a Corporation of Ohio. Filed Feb. 3, 1921. Serial No. 442,154. 5 Claims. (Cl. 154—10.)



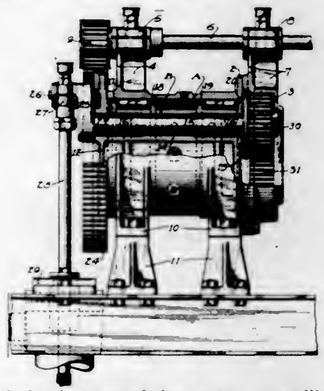
1. An annular frame combined with a plurality of hooks, located inside of said frame and having portions adapted to engage the inner side of a fabric ring, and means for connecting the hooks with the frame, and for simultaneously moving all of said hooks away from the axis of the frame.

1,467,144. LOCOMOTIVE HEADLIGHT. WILLIAM H. DE WITT, Columbus, Ohio. Filed May 16, 1922. Serial No. 561,437. 2 Claims. (Cl. 240—44.)



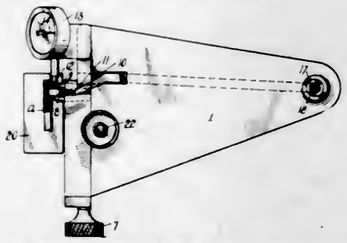
1. In a device of the class described, the combination with a base, of a post carried thereby, a pair of adjustably connected arcuate sections mounted on the post, spaced jaws confined between the sections, a pair of plates carried by the sections, a reflector supported by the plates, a sleeve adjustably supported by the jaws, and having a light element carried thereby.

1,467,145. ROTARY POWER HEAD. JOHN G. DORWARD, San Francisco, Calif. Filed June 14, 1922. Serial No. 568,149. 7 Claims. (Cl. 74—14.)



1. A device for transmitting rotary to rectilinear motion comprising a bearing member, an elongated cylindrical shaped rotar journalled therein, a shaft extending longitudinally through and journalled in said rotor, and eccentrically positioned therein, a crank on one end of the shaft, means for rotating the rotor in one direction, and means for rotating the shaft in the opposite direction one revolution during each revolution of the rotor.

1,467,146. SCREW-THREAD GAUGE. ROBERT L. ELLERY, Toledo, Ohio. Filed Feb. 26, 1920. Serial No. 361,389. 4 Claims. (Cl. 33—199.)



1. In a screw thread gauge, means for supporting a work piece the screw thread of which is to be gauged, a fixed point and a movable point for axially spaced coac-

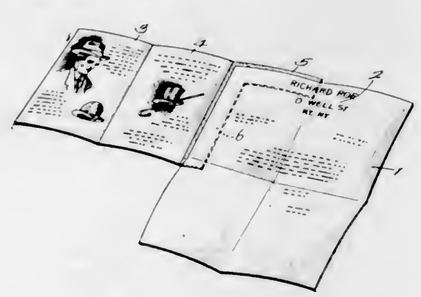
tion with the threads of a work piece when mounted on the supporting means, the fixed point being carried by said means, a lever carrying the movable point for movements axially of a work piece disposed in gauging position on the supporting means, and means connected to the lever at substantially the same distance from its fulcrum as the movable point and operable by movements of the lever to indicate any relative movement of the points.

1,467,147. ARTICLE OF FURNITURE. SAMUEL ETTNER, Brooklyn, N. Y. Filed Apr. 9, 1923. Serial No. 630,959. 3 Claims. (Cl. 155—197.)



1. In an article of furniture, means for bracing two members comprising a pair of plates, each having a foot plate thereon, one of said plate members having a plurality of rectangular spaced apart openings therein, ears on the remaining plate adapted to register in any of said openings, said ears when bent over in said openings being adapted to secure both plates together.

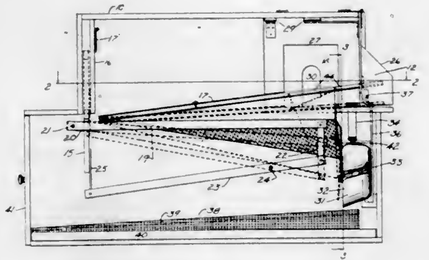
1,467,148. MAILING DEVICE. EMIL N. FABKAS, Chicago, Ill. Filed Mar. 14, 1921. Serial No. 452,364. 5 Claims. (Cl. 229—92.1.)



1. A mailing device consisting of an ordinary letter sheet which may be printed up as such if desired, and a separately made folder for enclosing it, the folder having a plurality of sections, one of which is partially cut away rectangularly, leaving portions for supporting and backing two adjacent marginal portions of the letter sheet, said letter sheet being permanently secured to said marginal portions by a suitable adhesive.

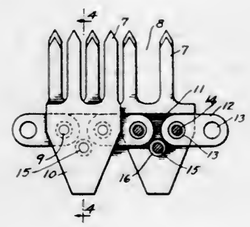
1,467,149. TRAP NEST. ALBERT O. FORSTER and PERCY M. FORSTER, Berkeley, Calif. Filed Jan. 17, 1923. Serial No. 613,143. 4 Claims. (Cl. 119—47.)

4. A trap nest comprising a housing having an entry opening and a pair of exit openings formed therein, a normally open exit door guided for vertical reciprocal movement to close the entry opening, swinging doors normally closing the exit openings, a nest mounted in the housing and pivotally connected at one end thereto, a pair of levers mounted below the nest and pivotally connected to the housing intermediate their ends, links connecting one end of the levers to the free end of the nest, links connecting the other ends of the levers to the entry door whereby the weight of a hen on the nest will swing the same downwardly and raise said door to close the entry opening, said door constituting a counterweight whereby it will lower to unobstruct the entry opening and raise the nest to normal position upon the removal of the weight of a hen from the nest, and co-operating latch mechanisms



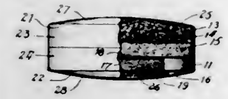
associated with the exit doors whereby one door will be normally latched and the other unlatched, egg receiving means operable by the weight of an egg laid by a hen in the nest to reverse said latch mechanisms to latch the normally unlatched door and unlatch the normally latched door, and means whereby the exit of a hen will permit the latch mechanisms to return to normal position, means whereby the presence of an egg in said receiving means will maintain the latch mechanisms in a set position, and means whereby the exit of a hen will permit the egg to discharge from said means and permit the latch mechanisms to return to normal position.

1,467,150. PORTABLE SAW. BARTLETT E. FREEE, Seattle, Wash., assignor of forty-nine per cent to James W. Gaver, Everett, Wash. Filed Dec. 12, 1921. Serial No. 521,675. 2 Claims. (Cl. 143—135.)



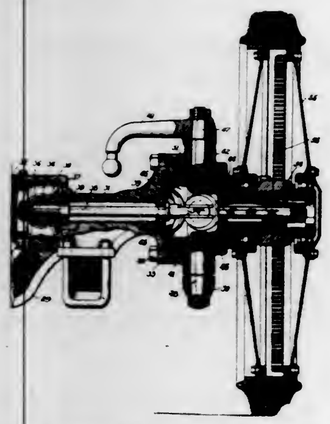
1. A device of the type described comprising a portable saw chain made in short sections, teeth on the outer edge of the sections, a groove thru the center of the sections and in their lower end, links in the grooves for holding the sections together, rivets thru the sections which pass thru the grooves on which the links are pivoted, bushings over the rivets, other rivets also in the sections passing thru the grooves with shoulders on them for holding the sides of the sections apart and rollers freely mounted upon the rivets.

1,467,151. VANITY BOX. LOUIS J. FREUNDT, Chicago, Ill., assignor to American Can Company, New York, N. Y., a Corporation of New Jersey. Filed Oct. 4, 1920. Serial No. 414,548. 1 Claim. (Cl. 132—82.)



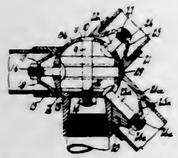
A vanity box comprising an outer body open at one end and having the side walls of the body at the other end continued inward towards the center and thence inward longitudinally and thence transversely to form a containing receptacle, an inner containing body fitted within said outer body with its bottom against that of said containing receptacle, and a removable closure at each end of said outer body.

1,467,152. FOUR-WHEEL DRIVE FOR ELECTRIC VEHICLES. RODOLPHUS FULLER, Detroit, Mich. Filed Oct. 21, 1918. Serial No. 259,012. 3 Claims. (Cl. 180—42.)



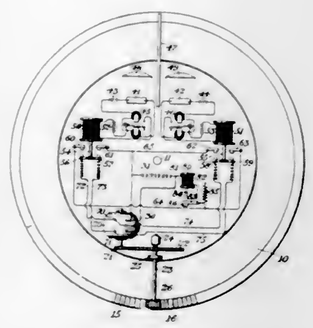
1. An axle having a longitudinal bearing portion at each end thereof and in a plane above said axle, a gear housing at the inner end of each bearing, a knuckle housing at the outer end of each bearing, a knuckle having a greater part thereof enclosed by said knuckle housing and vertically aligning trunnions extending through the top and bottom of said housing, a steering arm on the upper trunnion of said knuckles, a wheel on said knuckle, and means extending into said gear housing and through the longitudinal axle bearing and said knuckle for transmitting power to said wheel.

1,467,153. ADJUSTABLE RAIL FITTING. SELDEN JOHN GULESIAN, Revere, Mass. Filed May 29, 1920. Serial No. 385,321. 1 Claim. (Cl. 287—12.)



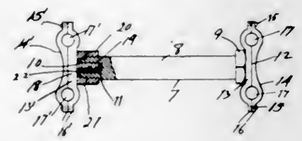
An adjustable pipe rail fitting, comprising in combination a stanchion, a hollow spherical stanchion cap composed of three members, capable of adjustment horizontally and independently of each other, a pipe rail secured to each member, means for vertically adjusting the rail connected to each of the upper and lower members and means for securing said rails in various angles relatively to each other.

1,467,154. SYSTEM OF RADIO-DIRECTIVE CONTROL. JOHN HAYS HAMMOND, Jr., Gloucester, Mass. Original application filed June 7, 1912, Serial No. 702,174. Renewed Jan. 18, 1921, Serial No. 438,260. Patent No. 1,387,850, dated Aug. 16, 1921. Divided and this application filed Aug. 19, 1919. Serial No. 318,572. Renewed Jan. 31, 1923. 9 Claims. (Cl. 250—2.)



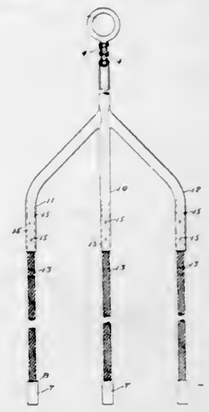
1. The combination with a body rotatable about a predetermined axis, of a motor carried by said body, means carried by said body and responsive to radiant energy for controlling said motor, a relatively stationary element, and means actuated by said motor and engaging said stationary element to rotate said body about said axis.

1,467,155. RAILWAY BOLT. JAMES HARTLEY, Philadelphia, Pa. Filed Nov. 3, 1921. Serial No. 512,460. 1 Claim. (Cl. 173—251.)



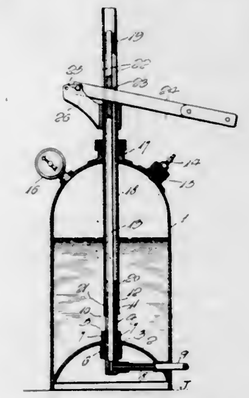
In a device of the character stated, a bolt provided with a head and having a longitudinal hole at the opposite end, a body formed integral with the head of said bolt, said body having arcuate notches, ears formed therewith, a cap also having arcuate notches for coaction with the body, the said notches mating to form holes for the reception of wires, ears formed with said cap, and means for detachably fastening the cap to the body, a removable wire holding member comprising a body having arcuate notches, ears formed therewith, a cap having arcuate notches coacting with said body, ears formed with said cap, means for detachably fastening the cap to said body, and a stem formed with the last named body for registration with the longitudinal hole in the bolt to removably mount the last mentioned wire holder on said bolt.

1,467,156. RAILROAD BRIDGE WARNING. BENJAMIN J. HASTINGS, Taunton, Mass. Filed Apr. 7, 1923. Serial No. 630,490. 5 Claims. (Cl. 246—486.)



2. A telltale for bridge warning comprising a tube having an eye at the upper end thereof, and having a rope inserted into the lower end thereof and secured therein by teeth formed in the tube.

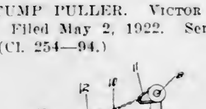
1,467,157. HIGH-PRESSURE GREASE AND OIL DISPENSER. JOSEPH BENNETT HAYDEN, JOHN MORRIS, and HARRY CLINTON GEORGE, South Greensburg, Pa. Filed Oct. 5, 1922. Serial No. 592,562. 5 Claims. (Cl. 221—47.)



1. A dispensing device comprising a receptacle, a pump cylinder mounted therein, a plunger extending from the exterior of the receptacle and entering said cylinder at a point within said receptacle, a stuffing box for said plunger carried by said cylinder, and means extending to the exterior of the receptacle from said stuffing box for tightening the latter.

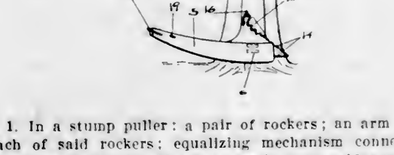
1,467,158. HOSE SUPPORTER. CARL J. HAZELTON, Worcester, Mass., assignor to American Narrow Fabric Company, Worcester, Mass., a Corporation of Massachusetts. Filed Mar. 13, 1920. Serial No. 365,599. Renewed Jan. 31, 1923. 7 Claims. (Cl. 24—245.)

1. A hose supporter comprising a pivoted loop and a button adapted to cooperate therewith to hold the hose between them, said button having longitudinal converging side walls of elastic material free to move from



their normal flat inclined position at a distance apart to one in which they are bowed inwardly toward each other.

1,467,159. GUN BARREL. WILHELM HEINE, Essen, Germany, assignor to Fried. Krupp Aktiengesellschaft, Essen-on-the-Ruhr, Germany. Filed Jan. 3, 1921. Serial No. 434,678. 4 Claims. (Cl. 89—37.)



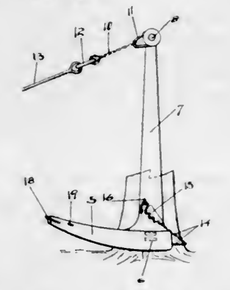
1. A separatable gun garrel comprising a tube, a breech portion and a slide, easily detachable means on said tube and breech portion for connecting said tube to said breech portion and means formed on said tube and breech portion, cooperating with means formed on said slide for securing said tube and breech portion to said slide, the inter-engagement of said connecting and securing means being solely accomplished by separately placing said tube and breech portion upon said slide and thereafter longitudinally displacing said tube and breech portion with respect to said slide.

1,467,160. LENS-GRINDING APPARATUS. HARRY W. HILL, Southbridge, Mass., assignor to American Optical Company, Southbridge, Mass., a Voluntary Association of Massachusetts. Filed Nov. 23, 1920. Serial No. 426,007. 3 Claims. (Cl. 51—217.)



1. A lens block comprising a support for the lens and a plurality of spring fingers carried by the support for resiliently engaging the edge of a lens to secure the latter in position.

1,467,161. STUMP PULLER. VICTOR L. HOLT, Portland, Oreg. Filed May 2, 1922. Serial No. 557,827. 7 Claims. (Cl. 254—94.)



1. In a stump puller: a pair of rockers; an arm upon each of said rockers; equalizing mechanism connecting the extremities of said arms; teeth upon said arms; a

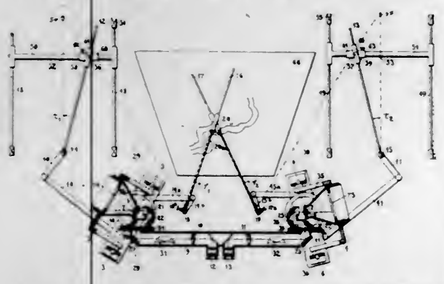
chain adapted to embrace the stump and to engage with said teeth; and means to enable said rockers to grasp the stump therebetween.

1,467,162. RENEWABLE FUSE PLUG. DON CARLOS HUBBARD, Auburn, Me. Filed June 22, 1921. Serial No. 479,037. 3 Claims. (Cl. 200—130.)



1. In a renewable plug, the combination of a hollow socket open at one end with an enlargement at said end forming an annular shoulder, a pair of recesses being formed in said shoulder, a contact rivet extending through the lower end of the socket, a contact strip with its lower end connecting with said rivet and its upper end lying within one of said recesses, a screw threaded sleeve on the lower end of the socket, a contact strip connecting with the said sleeve and with its upper end lying in the other recess, a hollow stopper for filling the enlarged upper end of the socket having projections fitting into said recesses, a fusible strip extending from one of said recesses to the other and held in place by said projections and means for holding said stopper in place.

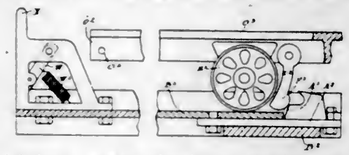
1,467,163. AUTOMATIC PROTRACTING APPARATUS COMBINED WITH TWO COMPUTING THEODOLITES. REINHARD HUGERSHOFF, Tharandt, near Dresden, Germany. Filed Nov. 9, 1920. Serial No. 422,945. 4 Claims. (Cl. 33—18.)



1. Automatic protracting apparatus combined with two computing theodolites, comprising in combination a binocular double telescope, a pair of rotatable systems of mirrors arranged at opposite ends with said telescope and in operative relation thereto, a pair of image carriers supported adjacent the ends of said telescope, said image carriers being rotatable about vertical and horizontal axes, measuring plates carried by said image carriers, an objective lens mounted upon each of said carriers for throwing the image of the measuring plate into the rotatable system of mirrors, means for operating said image carriers and means for rotating said system of mirrors to effect the simultaneous adjustment of the identical image points on said measuring plates.

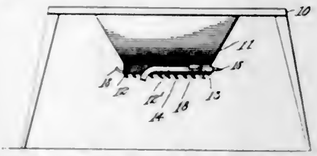
1,467,164. CONTROLLING MEANS FOR DUMPING BODIES. JOHN H. HUTCHINSON, Port Melbourne, Victoria, Australia. Filed Mar. 19, 1923. Serial No. 626,193. 6 Claims. (Cl. 298—14.)

1. In combination, a movable body having a pair of protrusions at one end, a pair of locking members one for each protrusion and each locking member having a socket adapted to receive the associated protrusion and associated locking member having transverse openings adapted to be brought into registering relation, spring pressed pins adapted to enter said openings and thereby lock the movable body against movement, and combined



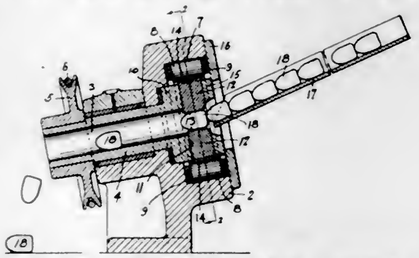
rod and lever means whereby to simultaneously move said pins to a releasing position with respect to said protrusions.

1,467,165. BAG HOLDER. DANIEL W. JOHN, Mancos, Colo. Filed Dec. 4, 1922. Serial No. 604,964. 4 Claims. (Cl. 83—26.)



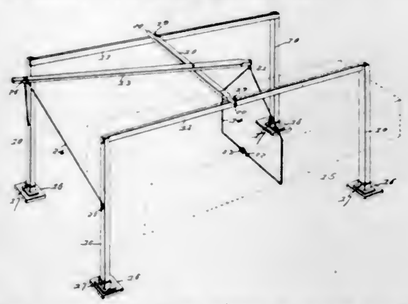
1. A filling and bag holding hopper having a toothed portion on its bottom and having bag mouth engaging means, and a slidable bag engaging member supported on the said toothed portion and having means for engagement with the teeth of the said toothed portion.

1,467,166. METHOD OF FORMING PIPE BALLS. LLEWELLYN W. JONES, Wynnewood, Pa. Filed Sept. 28, 1921. Serial No. 503,808. 2 Claims. (Cl. 78—1.)



1. The method of forming pipe-balls consisting in forging a blank to approximately the size desired, and then swaging the blank cold to form the finished pipe-ball.

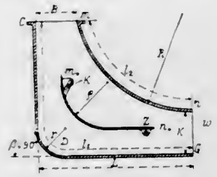
1,467,167. WAGON-BOX LIFTER. STEPHEN HARVEY JONES, Forrest City, Ark. Filed Oct. 30, 1920. Serial No. 420,629. 2 Claims. (Cl. 254—45.)



1. A wagon body lifting apparatus having a frame consisting of terminal standards connected in pairs by

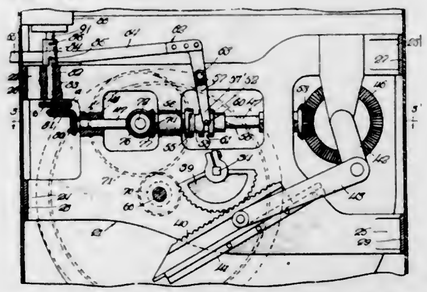
parallel reach bars transversely spaced to permit of driving a wagon between the vertical planes thereof, a rocker bar terminally fulcrumed upon the reach bars at intermediate points of the length thereof and an operating lever carried by and pivotally mounted upon the rocker bar and having a terminal grapple for engaging a wagon body, said reach bars being provided with upwardly extending stop pins and the rocker bar having rounded terminals for engagement with the reach bars in contact with said pins.

1,467,168. DRAFT TUBE. VICTOR KAPLAN, Brunn, Austria. Filed Sept. 1, 1921. Serial No. 497,681½. 6 Claims. (Cl. 253—17.)



1. A draft tube for converting the energy of velocity of a fluid into energy of pressure, comprising two side walls diverging from each other towards the discharge opening of the draft tube, a deflector wall forcing the fluid to change its direction from the entrance towards the outlet under the influence of the increase of the breadth of flow and a wall opposite to the said deflector, the latter having a curve at the point of deflection, the radius of said curve being not greater than the radius of the wall opposite the said deflector.

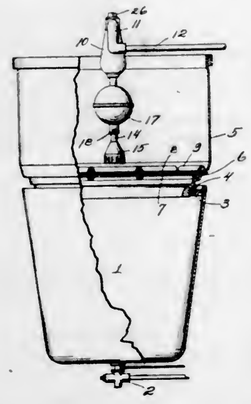
1,467,169. POWER-TRANSMITTING GEARING. GUSTAV B. KEIL, St. Joseph, Mich., assignor to Upton Machine Company, St. Joseph, Mich., a Corporation of Michigan. Filed Oct. 11, 1920. Serial No. 416,155. 2 Claims. (Cl. 74—7.)



1. In a device of the character described, a casing comprising two upright end walls and two upright side walls; a pair of legs, L-shape in cross section overlying the adjacent side and end wall edges respectively at the front end of the casing to provide a receptacle for a driving gear unit in combination with a driving gear unit comprising a vertically disposed plate having bearings for a horizontally disposed shaft a shaft supported in said bearings; laterally disposed legs near each corner of the plate extending toward the front legs of the casing and means connecting said legs of the plate to the respective side walls and to the legs of the casing.

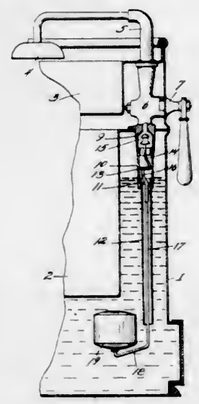
1,467,170. FLOAT-VALVE CONTROL FOR LEACHER BUCKETS. HENRY D. KELLY, Kansas City, Mo. Filed Apr. 4, 1921. Serial No. 458,602. Renewed Mar. 12, 1923. 3 Claims. (Cl. 53—3.)

1. In a vacuum urn, a beverage jar, a leacher bucket upon and having air-sealed connection with the jar, a filter disk closing communication between said jar and bucket, a water-supply pipe for discharging into the



bucket, a shut-off valve for said pipe, and a float in said bucket to close said valve when the water attains a predetermined level in the bucket.

1,467,171. FLOAT VALVE FOR COFFEE URNS. HENRY D. KELLY, Kansas City, Mo. Filed Apr. 11, 1923. Serial No. 631,384. 4 Claims. (Cl. 53—3.)

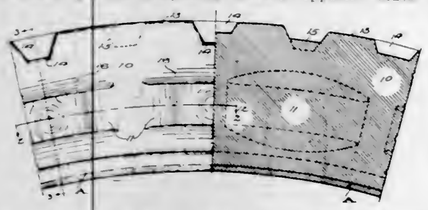


1. A coffee urn, having a boiler chamber, a beverage jar and a passageway for water leading from the lower part of the boiler chamber to a point above the jar; valved mechanism in the passageway above the water level of the boiler chamber, and a float for causing the valved mechanism to leave the passageway unobstructed when the water stands in the boiler chamber at or above a predetermined level and to close said passageway when the water level falls below such predetermined level.

1,467,172. TIRE. DONALD S. KENNEDY, New York, N. Y. Filed Nov. 18, 1922. Serial No. 601,767. 6 Claims. (Cl. 152—1.)

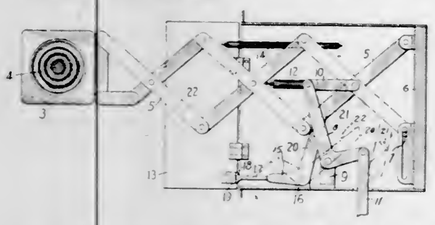
1. As a new article of manufacture, a tire having undercut recesses extending laterally inward alternately at opposite sides so that the recesses at one side are in staggered relation to the recesses at the other side, the tread surface of the tire presenting tread members

and transverse grooves alternating with said members, alternate grooves deepening toward opposite sides of



the tread and the deeper ends of the respective grooves being radially outward of and in line with the respective recesses.

1,467,173. TRAFFIC SIGNAL. JOHN ELDY KENNEDY, Dayton, Ohio. Filed Aug. 7, 1922. Serial No. 580,351. 12 Claims. (Cl. 116—40.)

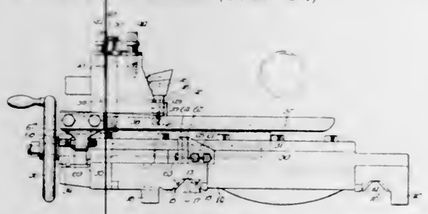


1. In a device of the character described, a housing, a door for said housing, an extensible support mounted within said housing, a signal carried by said support and adapted to be projected beyond said housing by said support, and a toggle connected with said door and controlled by the movement of said extensible support.

1,467,174. PROTECTION OF IRON AND STEEL. PHILIP ELMER KERN, Chicago, Ill., assignor to Western Electric Company, Incorporated, New York, N. Y., a Corporation of New York. Filed Apr. 1, 1921. Serial No. 457,647. 6 Claims. (Cl. 148—7.)

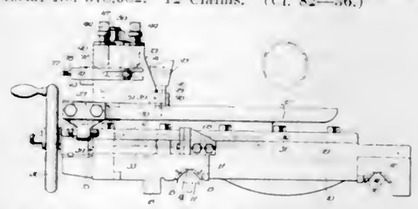
1. The treatment of iron or steel to protect it from rust or corrosion, which consists in producing an oxide coating thereon comprising a heavy crystalline body portion covered by a smooth, even coating.

1,467,175. STOP DEVICE FOR LATHES. LE ROY KRAMER, Toledo, Ohio, and ALEXANDER BOOME, Chicago, Ill. Original application filed Feb. 28, 1918, Serial No. 219,551, now Patent No. 1,394,628, dated Oct. 25, 1921. Divided and this application filed May 5, 1920. Serial No. 378,981. 8 Claims. (Cl. 82—24.)



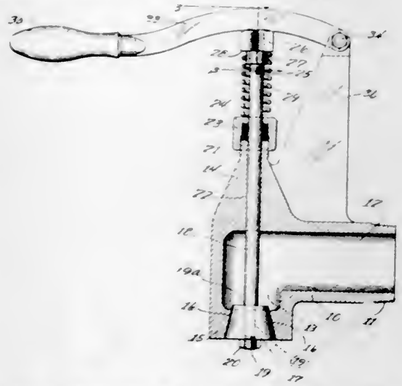
1. In a lathe tool holder, the combination with a cross slide, of tool-holding means associated with said slide, and means for arresting movement of the tool-holding means at a predetermined point in the advance thereof with respect to the work, said cut-limiting means including a stop movable transversely of the line of advance of the tool-holding means and backed up rigidly at a point in alignment with the application of pressure thereto when in its operative position.

1,467,176. TOOL MOUNTING FOR LATHES. LE ROY KRAMER, Toledo, Ohio, and ALEXANDER BOOME, Chicago, Ill. Original application filed Feb. 28, 1918, Serial No. 219,551. Divided and this application filed May 5, 1920. Serial No. 378,982. 12 Claims. (Cl. 82—36.)



1. In a lathe tool holder, the combination with a cross slide provided with a fixedly positioned upright projection, of a tool holder associated with said slide and provided with a slot adapted to embrace said projection, the slotted portion of the holder abutting rigidly against the projection substantially in the horizontal plane of the cutting whereby the projection is caused to relieve the holder of torsional stresses otherwise resulting from its transmission to the slide of the horizontal stresses from the cutting.

1,467,177. QUICK-ACTING SHUT-OFF VALVE. ANTHONY LA BELLE, Chicago, Ill. Filed Apr. 18, 1922. Serial No. 554,867. 8 Claims. (Cl. 25—134.)

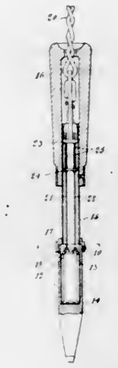


4. The combination in a valve controlled faucet of a faucet casing having an inlet passageway therein, a discharge port communicating with said passageway of the casing, the walls of said port being formed to provide a valve seat, a valve for said valve seat, a valve stem for operating said valve, the upper extremity of the valve stem being screw threaded and provided with an adjustable nut, there being a groove formed diametrically across the upper face of the said adjustable nut, a compression spring surrounding the valve stem and one end thereof contacting with a part of the faucet casing and the other end bearing against the said adjustable nut, and a pivoted operating lever having a moving part thereof adapted to engage in the said diametrically formed groove in the said adjustable nut whereby to overcome the action of the spring when it is desired to operate the valve to its open position.

1,467,178. ELECTRICAL-RESISTANCE ELEMENT OF ELECTRIC SOLDERING IRONS AND SIMILAR HEATING APPARATUS. PER ERNST LANDBERG, Stockholm, Sweden. Filed Mar. 20, 1922. Serial No. 545,175. 6 Claims. (Cl. 219—28.)

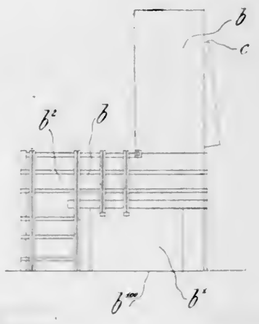
1. A heating element of the character described including a casing having open sides for insertion in an article to be heated and conductively connected to the

article, heat conducting parts of sheet metal having spaced side portions arranged within and conductively connected with the inner surface of the end portions of the



casing and a plurality of resilient wheels arranged between the heat conducting parts and the side portions thereof.

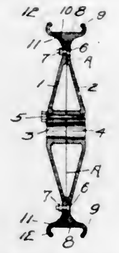
1,467,179. FURNACE FOR THE TREATMENT OF MINERALS OR ORES. JOSÉ TARTIÈRE LENEGRE, Oviedo, Spain. Filed Aug. 29, 1921. Serial No. 496,579. 2 Claims. (Cl. 266—10.)



1. In a furnace for the treatment of minerals, the combination of a fixed element containing a crucible, a cylindrical rotary element the axis of which is slightly inclined entering the said fixed element and adapted to feed the mixture of mineral and reagents to the crucible and nozzles for introducing a current of gases for decomposing the minerals whilst only fusing the metal when it enters the fixed element, the distance between the crucible and the rotary element being so great as to permit cooling of the gases sufficiently before reaching the rotary element as to prevent fusion of the ore in said rotary element.

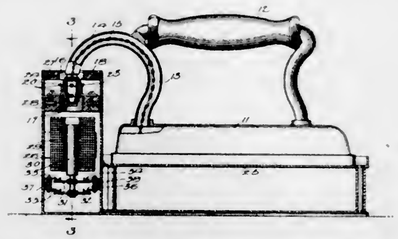
1,467,180. VEHICLE WHEEL. WILLIAM CLYDE LEONARD, Lewiston, Idaho, assignor to Leonard Roller Gear Drive Thresher Company, Lewiston, Idaho. Filed July 18, 1921. Serial No. 485,587. 1 Claim. (Cl. 301—63.)

The combination in a wheel of a pair of spaced disks having alined hub sections and abutting frictionally engaged annular faces at their peripheries, a locking bolt in said hub sections and securing bolts passed through said disks at their annular faces, the inner disk having a rim and side flange and a tapered annular recess on the side



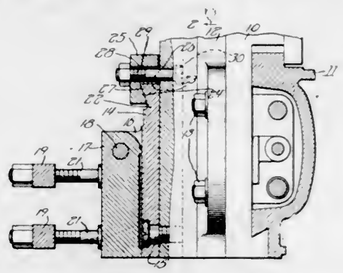
opposite said flange, a side flange on the outer disk and said disk formed with a conical portion to engage in said annular recess.

1,467,181. ELECTRIC IRON. JOHN LEWISKY and ARTHUR HEDTRICH, New York, N. Y. Filed Aug. 29, 1922. Serial No. 584,966. 2 Claims. (Cl. 219—23.)



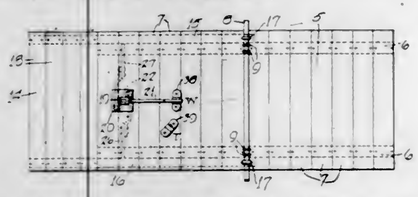
1. In combination with an electric iron having a heating element therein, a stand for said iron, a casing at the rear of said stand, said casing having an aperture in its upper surface, the handle portion of said iron adapted to project into said casing through the aperture, a switch member on the handle portion, and a switch member within the casing adapted to engage to close a circuit to the heating element when the iron is placed on the stand in a definite position.

1,467,182. CLAMP. ALFRED R. MCCANN, Hamilton, Ohio, assignor to The Liberty Machine Tool Co., Hamilton, Ohio, a Corporation of Ohio. Filed Apr. 20, 1921. Serial No. 462,996. 5 Claims. (Cl. 90—52.)



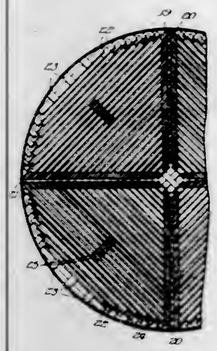
1. The combination of a pivotally mounted tool-block provided with a clamping surface formed as part of a cylinder having its axis co-incident with the pivotal axis of the tool-block and provided with a second clamping surface on its front face, and a clamp provided with clamping surfaces coacting with the respective surfaces of the tool-block.

1,467,183. ATTACHMENT FOR WAGON DUMPS. ELI D. MCCULLOUGH and ARCHIE W. BUTCHER, Solomon, Kans., assignor, by direct and mesne assignments, to The Gravity Dump Manufacturing Company, a Corporation of Kansas. Filed Jan. 9, 1922. Serial No. 527,957. 3 Claims. (Cl. 214—49.)



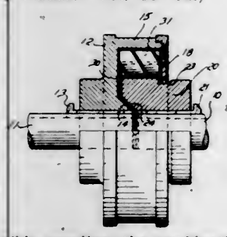
1. The combination with a rod, a platform pivotally carried by said rod, locking bolts carried by said platform, and means carried by said platform for moving said bolts transversely with respect to said platform, of an extension platform pivotally carried by said rod, said extension platform having longitudinally extending channel irons, said bolts being adapted to connect said channel irons to said first named platform, said bolt moving means being adapted to move said bolts into or out of engagement with said irons.

1,467,184. GAS-WASHER TOWER. WALTHER MATHESIUS, Chicago, Ill. Filed July 15, 1920. Serial No. 396,550. 4 Claims. (Cl. 261—111.)



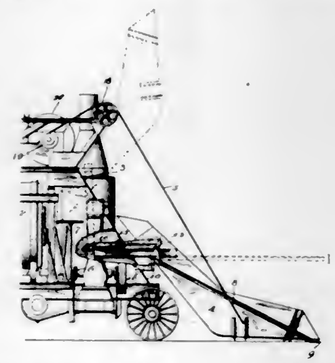
2. A gas washer comprising a tower having a gas inlet and a gas outlet, a horizontal baffle within the tower and located between the gas inlet and the gas outlet and divided into sectors, each sector including a set of spaced and parallel baffle bars disposed parallel with the chord of the arc of the sector and transversely inclined to the vertical.

1,467,185. FLEXIBLE COUPLING. JOSEPH B. MERIAM, Cleveland, Ohio. Filed May 16, 1921. Serial No. 469,767. 7 Claims. (Cl. 64—26.)



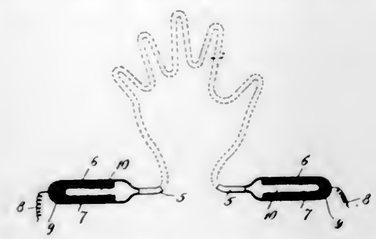
1. In a flexible coupling, the combination with a driving and driven member each having oppositely disposed registering apertures, of means disconnected from said members and adapted to occupy said apertures, and packing surrounding said means and adapted to fill said apertures, whereby power is transmitted from the driving to the driven member through the packing and said disconnected means.

1,467,186. SAFETY GUARD. JOHN CLIFFORD MERWIN, Milwaukee, Wis., assignor to Chain Belt Company, Milwaukee, Wis., a Corporation of Wisconsin. Filed Mar. 20, 1922. Serial No. 545,130. 7 Claims. (Cl. 214—130.)



1. The combination with a pivoted skip and means for raising and lowering it, of a guard supported adjacent to the skip and means for moving the latter to a protective position above the surface of the ground and below the skip when the latter is raised.

1,467,187. LUMINESCENT TUBE. FLOYD J. METZGER, New York, N. Y., assignor to Air Reduction Company, Incorporated, a Corporation of New York. Filed Aug. 6, 1921. Serial No. 490,428. 5 Claims. (Cl. 176—126.)



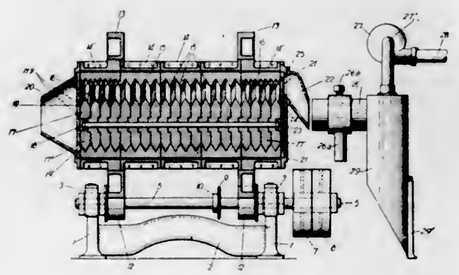
5. A luminescent tube having conducting surfaces consisting of metal wool disposed at its ends.

1,467,188. CROSS CHAIN FOR ANTISKID CHAINS. CHARLES A. MOUSSEAU, Pittsburgh, Pa. Filed Sept. 30, 1921. Serial No. 504,317. 8 Claims. (Cl. 152—14.)



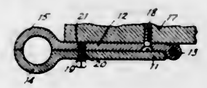
8. A cross chain for anti-skid devices comprising a plurality of central wearing links, end links for attachment to the side chains of the anti-skid device and having widened central loops, and intermediate links connecting said central links to said end links, the said intermediate links having end loops engaging said widened central loops of said end links, and said end loops being spaced apart sufficiently to enable said intermediate links to be detached, without bending, from said central links.

1,467,189. CRUSHER. OLIVER J. MOUSSETTE, Richmond Hill, N. Y. Filed Oct. 7, 1920. Serial No. 415,284. 11 Claims. (Cl. 83—9.)



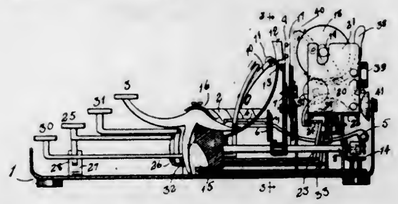
1. A crusher embodying a hollow cylindrical member mounted for rotation on a substantially horizontal axis, and gravity operated crushing means positioned interiorly of the cylindrical member, the interior face of the cylindrical member being substantially serrated in longitudinal cross section, and being provided adjacent at least one of its opposite ends with a helical channel cut through the circumferential serrations to facilitate the feeding of material through the cylindrical member.

1,467,190. HINGE. FRED WILLIAM MUHLENBRUCH, Bergenfield, N. J. Filed Sept. 22, 1922. Serial No. 589,881. 2 Claims. (Cl. 16—158.)



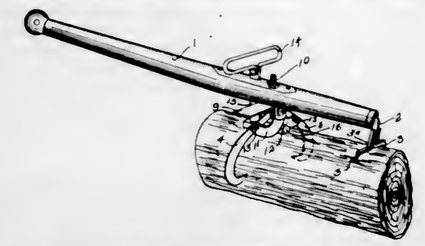
1. A hinge strap comprising two members hingedly connected together, means for rigidly supporting one of said members, and means carried by the hinged member and engaging the rigidly supported member for securing the two members against movement relative to each other about their hinged connection.

1,467,191. TYPEWRITER. FRANK E. ORMSBY, Chicago, Ill. Filed July 24, 1922. Serial No. 577,217. 8 Claims. (Cl. 197—23.)



1. In a device of the kind described, the combination in a typewriter of letter or character keys forked at the end or having two prongs, set in a duplex or double slotted key-guide segment, a reciprocating swivel-bar that alternately meets the lower prongs of keys holding corresponding type at a definite point for impression, substantially as described.

1,467,192. CANT HOOK. WILLIAM J. PAGE, Coeur d'Alene, Idaho. Filed May 13, 1922. Serial No. 560,562. 6 Claims. (Cl. 294—17.)

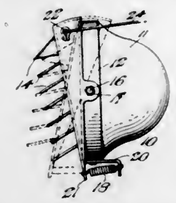


1. The combination with a lever-bar, of a yoke secured thereto and a pair of cant hooks pivoted in said yoke, side plates on the yoke to limit the opening movement of said hooks, links pivotally connecting said hooks with the pivot yoke, and means for spreading said links to open the hooks.

1,467,193. MANUFACTURE OF AMMONIUM SULPHATE. PERCY PARRISH, London, England, assignor to himself and South Metropolitan Gas Company, London, England. Filed Jan. 25, 1921. Serial No. 439,833. 1 Claim. (Cl. 23—13.)

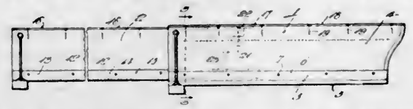
A process for making colourless ammonium sulphate from ammoniacal liquor containing cyanogen compounds which consists in distilling the ammoniacal liquor, fixing the cyanogen compounds in the liquor with a polysulphide and receiving the ammoniacal vapours free from cyanogen in sulphuric acid.

1,467,194. ANTIGLARE DEVICE FOR LAMPS. GEORGE E. PETERSEN, Bristol, Pa. Filed Oct. 30, 1922. Serial No. 597,763. 3 Claims. (Cl. 240—45.6.)



1. The combination with a lamp, of a flanged ring pivotally mounted thereon for rocking movement, a plurality of parallel downwardly inclined shutter slats carried thereby for downward deflection of light rays, means for rocking said ring to cause said shutter slats to assume a position parallel to the direct rays of the lamp, and the flange of said ring being tapered to an extreme narrow lower marginal edge to permit the light rays to be projected between the ring and the bottom portion of the lamp when the ring is in normal position.

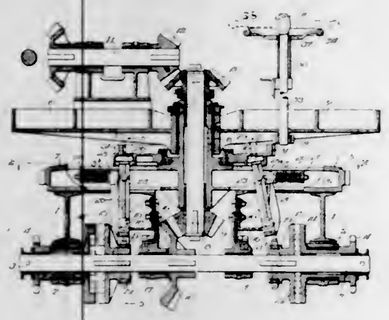
1,467,195. TELESCOPIC WAGON BOX. ALBERT B. QUACKENBUSH, Forest Knolls, Calif. Filed Nov. 6, 1922. Serial No. 599,384. 2 Claims. (Cl. 296—26.)



1. A telescopic wagon box comprising a stationary section comprising a bottom, upstanding side walls and a pair of angle metal bars having horizontal flanges secured upon said bottom and vertical flanges secured to

said side walls, said horizontal flanges extending inwardly beyond said side walls; and an inner movable section comprising a bottom over the first named bottom, side walls at the inner sides of said first named side walls, and a pair of longitudinal angle metal bars, the latter having vertical flanges secured against the outer sides of the second named side walls and horizontal flanges secured against the lower side of the second mentioned bottom; the horizontal flanges of the second named bars resting slidably on the horizontal flanges of the first named bars.

1,467,196. COMBINED DRIVING AND STEERING GEAR. LESLIE A. RUSSELL, Muskegon, Mich., assignor to F. C. Austin Machinery Company, Chicago, Ill., a Corporation of Illinois. Filed June 12, 1920. Serial No. 388,532. 15 Claims. (Cl. 180—9.2.)



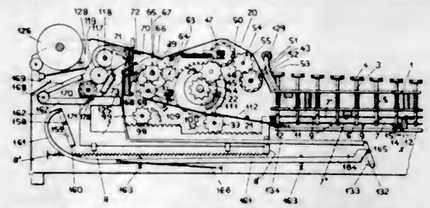
1. In driving and steering gear for motor driven vehicles, the combination of oppositely arranged clutches, one for each side of the vehicle, a truck frame on which said clutches are supported, a turn-table body supported on the truck frame to turn about a vertical axis, power transmitting instrumentalities for communicating power to said clutches from a source on said body and through means rotatable about said axis thereof to drive the vehicle, a cam mounted to rotate about said axis, mechanism supported on said truck frame and having means for engaging said cam to control said clutches, having provisions to prevent breakage from the closing of the clutches, and steering means on said body to rotate said cam.

1,467,197. ART OF VULCANIZING RUBBER. WILLIAM FRASER RUSSELL, Norwalk, Conn., assignor to The Norwalk Tire & Rubber Company, Norwalk, Conn., a Corporation of Connecticut. Filed Apr. 26, 1922. Serial No. 556,779. Renewed Apr. 9, 1923. 27 Claims. (Cl. 18—53.)

1. The method of overcoming the variability of rubber on vulcanization with sulphur and zinc oxide, which comprises adding to rubber mixtures containing sulphur and zinc oxide, substances capable of promoting dissolution of the zinc oxide in the rubber, and vulcanizing the resulting mixture with the production of uniformly strong and well vulcanized products.

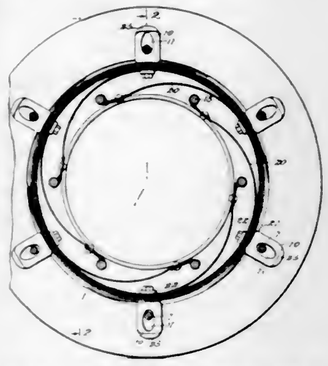
1,467,198. CALCULATING MACHINE. CARL SCHALLER, Brunswick, Germany, assignor to Grimme, Natalis & Co., Kommandit-Gesellschaft auf Aktien, Brunswick, Germany, a Corporation of the Republic of Germany. Filed Aug. 10, 1920. Serial No. 402,735. 5 Claims. (Cl. 235—60.)

1. In a calculating machine, the combination, with the registering mechanism, the setting mechanism, and the printing mechanism, of operating members adapted to set values on said setting mechanism and connected with the printing mechanism for setting said values thereon,



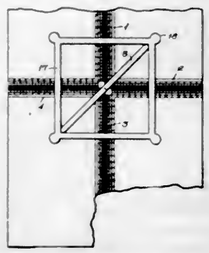
and means to transmit the values set on said registering mechanism to the operating members for transmitting the same to the printing mechanism.

1,467,199. RESILIENT WHEEL. JOHN SCHMIDT, New York, N. Y. Filed Mar. 17, 1922. Serial No. 544,620. 2 Claims. (Cl. 152—29.)



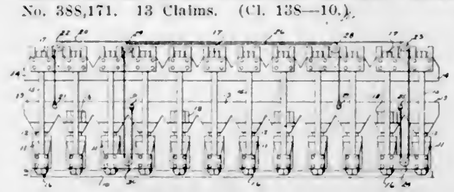
1. A spring wheel comprising a pair of spaced parallel members, a plurality of spring elements secured between said members, each of said springs extending entirely around the wheel and having a free end terminating at a point in advance of the point of securement of the spring, clips for securing said springs together, and a resilient tire supported by said clips.

1,467,200. MASTER TEMPLATE FOR GASKETS. ALBERT SHARPE, Brooklyn, N. Y. Filed Nov. 2, 1920. Serial No. 421,224. 3 Claims. (Cl. 33—1.)



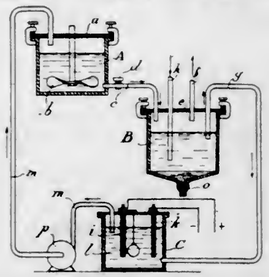
1. The combination with a template for making patterns having a plurality of graduated arms extending from a common center and provided on each arm with a plurality of definitely spaced apertures, of a gage having a predetermined linear dimension and an aperture centrally located therein adapted to be disposed in registration with the common center of the template whereby the ends of the gage can be swung to mark a point on the pattern off the line of the arms of the template.

1,467,201. HYDRAULIC PRESS. HARRY T. SHRIVER, Llewellyn Park, N. J. Filed June 11, 1920. Serial No. 388,171. 13 Claims. (Cl. 138—10.)



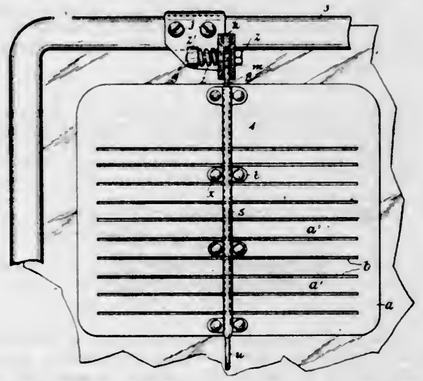
1. In a hydraulic press, a long platen, a plurality of fluid-actuated plungers spaced apart and beneath said platen and adapted to lift it, and an equalizing device independent of the plunger pressure supply controlling devices connected to said platen and constructed and arranged to cause the top of the platen to remain parallel to its initial position as it is raised by said plungers, irrespective of differences in the operation of said plungers.

1,467,202. PROCESS OF AND APPARATUS FOR SEPARATING PLATINUM FROM PLATINIFEROUS MATERIALS. EULAMPIU SLATINEANU, Cressy-Onex, near Geneva, Switzerland. Filed Feb. 26, 1921. Serial No. 448,009. 11 Claims. (Cl. 204—57.)



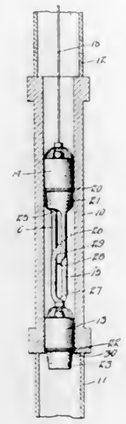
1. The process of separating platinum from platiniferous materials consisting in subjecting hydrogen to the influence of ultra-violet rays, introducing the hydrogen thus treated to a solution containing gold, palladium, and platinum to precipitate the gold and palladium, and then extracting the platinum by electrolysis.

1,467,203. VISION SHIELD. HENRY LUND SMITH, Paterson, N. J. Filed Jan. 29, 1921. Serial No. 440,866. 5 Claims. (Cl. 296—97.)



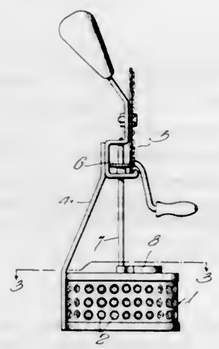
3. A vision shield formed of a translucent plate having narrow elongated clear-vision openings therein.

1,467,204. PUMPING JAR. VINCENT DE PAUL SPLANE, Paintsville, Ky. Filed July 18, 1922. Serial No. 575,893. 5 Claims. (Cl. 103—180.)



1. A pump comprising a working barrel, a stationary valve, a traveling valve and interlocked pumping jars connecting said two valves, one being connected to the upper end of the stationary valve and the other to the lower end of the sliding or working valve, said pumping jars being of uniform length whereby when used for jarring purposes a double contact is made at the closing of the jars, substantially as set forth.

1,467,205. EGG BEATER. ARTHUR G. STEELE, Rawlins, Wyo. Filed Nov. 16, 1922. Serial No. 601,358. 10 Claims. (Cl. 259—134.)



1. A beater comprising a perforated plate having a plurality of teeth around each of its perforations.

1,467,206. TRAFFIC SIGNAL. WILLIAM F. STELLNER, Danville, Ill. Filed Oct. 12, 1922. Serial No. 594,021. 1 Claim. (Cl. 116—63.)

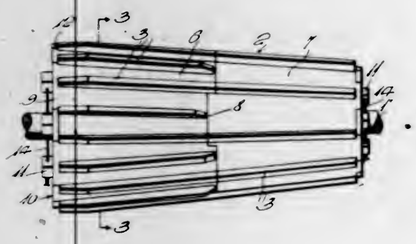
In a signal structure, a socket member open at its upper end, a vertical shaft or standard whose lower end is received by said socket member, a shoulder formed on the upper intermediate portion of said standard and a traffic signal casing having a central tubular sleeve receiving and revolubly mounted on the upper end of

the standard, the lower end of the sleeve extending below the bottom of the casing and working on said shoulder



said downwardly projecting portion of the sleeve forming a hand hold adapted to be used by the operator in turning the signal casing.

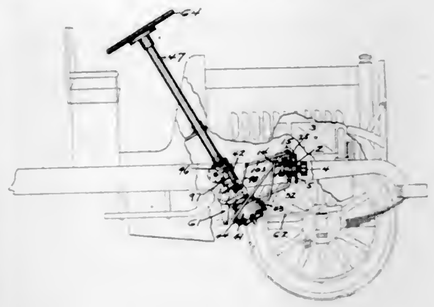
1,467,207. JORDAN-PLUG FILLING. EDWIN A. STRATTMAN, Bogalusa, La. Filed Oct. 16, 1922. Serial No. 594,793. 3 Claims. (Cl. 92—27.)



1. The combination with a Jordan plug of circular cross section; of a covering sleeve for said plug having circumferentially spaced lugs on its ends extending beyond the ends of said plug, and a pair of annular plates secured to the ends of said plug and having circumferentially spaced peripheral lugs snugly received between said lugs of said sleeve.

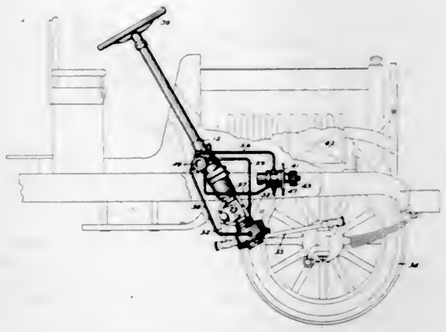
1,467,208. MOTOR-VEHICLE STEERING APPARATUS. JAMES WAYNE SUMNER, San Francisco, Calif., assignor to Emory Winship, San Francisco, Calif. Filed Oct. 25, 1921. Serial No. 510,216. 19 Claims. (Cl. 180—80.)

1. In a power steering mechanism for vehicles, a pair of coaxially arranged shafts, a motor directly connected to one of said shafts, a steering device operated by this shaft, means for manually operating the other shaft, a



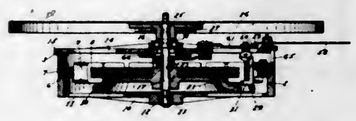
controller for the motor operated by said other shaft, and a connection between the controller and the motor shaft.

1,467,209. POWER STEERING MECHANISM. JAMES WAYNE SUMNER, Los Angeles, Calif., assignor to Emory Winship, San Francisco, Calif. Filed Nov. 9, 1922. Serial No. 599,777. 7 Claims. (Cl. 180—80.)



1. In a power steering gear for vehicles, a steering shaft, a motor for rotating the shaft, a manually operable device for controlling the motor, and a mechanical connection between the steering shaft and the manually operable device comprising a pair of members, one having an inclined plane, and the other a part adapted to slide along the plane, and means whereby the relative movement between the inclined plane and the cooperating part is limited.

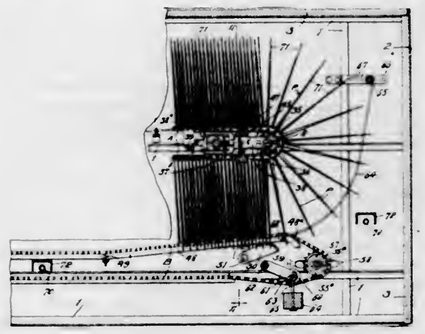
1,467,210. PHONOGRAPH. EDWARD J. TOMLINSON, East Orange, N. J., assignor to Splitdorf Electrical Company, Newark, N. J. Filed May 31, 1919. Serial No. 301,101. 15 Claims. (Cl. 172—36.)



1. In a phonograph, in combination, a cup-shaped casing having an inner annular flange and a central hole in the bottom of the casing, a magnetic field structure securely carried in said casing on said flange and having a plurality of pole pieces with exciting wind-

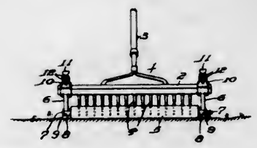
ings thereon, a cover plate for said casing, a support structure including an operating shaft for a sound record body rotatably carried wholly by said cover plate and having a part guided by said central hole, said shaft carrying inductors in operative relationship to said field pole pieces.

1,467,211. DRYING APPARATUS FOR PLATES OF METAL AND OTHER MATERIAL. CHARLES WAGNER and AUGUST HORMEL, Grantwood, N. J. Filed Nov. 24, 1919. Serial No. 340,201. 5 Claims. (Cl. 198—28.)



1. In a drying apparatus, the combination with a pair of main conveyor chains, of plate carriers mounted to bridge said pair of chains, an endless horizontally-disposed transfer chain mounted at its front and rear ends on suitable sprockets adjacent to said main chains; gripping devices on said transfer chain adapted to open to release plates during its horizontal movement and to close to grip plates during its arcuate movement about the sprockets and means for bending said transfer chain to increase its arcuate movement and prolong its gripping period.

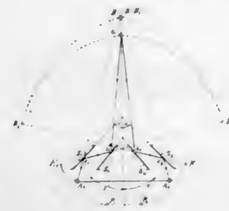
1,467,212. RAKE. MICHAEL J. WALSH, Langhorne, Pa. Filed Oct. 15, 1921. Serial No. 507,986. 2 Claims. (Cl. 55—10.)



1. The combination with a rake of the class described, of a roller extending substantially across the head of the rake and adapted to bear the weight of the rake and to limit the penetrating depth of the rake teeth, supports for the ends of said roller, clamps for mounting said supports upon the rake adjacent the ends of the rake head.

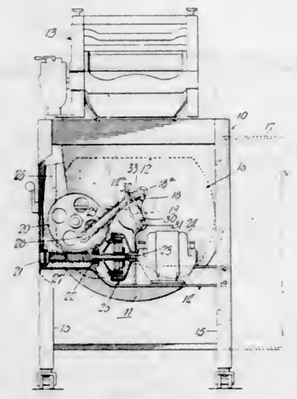
1,467,213. OPTICAL BINOCULAR INSTRUMENT. EMIL WESSELY and JOHANN SCHIER, Vienna, Austria; said Schier assignor of his entire interest to the Firm Oesterr.-Ung. Optische Anstalt C. P. Goerz Gesellschaft m. b. H., Vienna, Austria. Filed Nov. 5, 1921. Serial No. 513,068. 1 Claim. (Cl. 88—33.)

In a binocular optical instrument for inspecting narrow cavities two pairs of reflecting surfaces symmetrically arranged and inclined to a plane the lines of intersection of such plane of symmetry and of the reflecting planes being parallel to each other, the angles between the outer reflection surfaces and such plane of



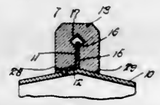
symmetry being greater than the angles between the inner reflecting surfaces and the plane of symmetry and means for holding the said reflecting surfaces in position.

1,467,214. GEARING FOR WASHING MACHINES. BRUCE CLARK WHITE, New York, N. Y., assignor to Federal Electric Company, Chicago, Ill., a Corporation of Illinois. Filed May 1, 1920. Serial No. 378,072. 5 Claims. (Cl. 74—14.)



1. A gearing for washing machines comprising: an operated member capable of a rotary, oscillatory movement; a crank and pitman; means intermediate said pitman and said operated member adapted to oscillate the operated member at an accelerated rate from the points of reversal to the mid point of the oscillatory movement, the rates of acceleration from each reversal point being substantially the same; and means for driving said crank.

1,467,215. LUG SHIELD. ORA P. WHITSON, Newark, Ill. Filed Apr. 22, 1922. Serial No. 556,059. 4 Claims. (Cl. 301—39.)



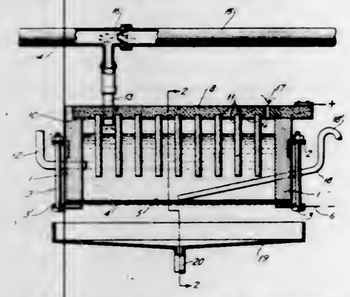
4. A lug protector for the lugs of tractor wheels comprising a strip of resilient material having a slot into which the lug extends of greater depth than the height of the lug, the upper end of the slot being enlarged, a protector strip interposed between the head of the slot and the edge of the lug, and means for securing the strip in position upon the lug.

1,467,216. FIGURE TOY ROUNDABOUT. SIGURD J. A. WIEBE, Newark, N. J., assignor to American Toyland Creators, Inc., Newark, N. J., a Corporation of New York. Filed Mar. 30, 1921. Serial No. 456,899. 7 Claims. (Cl. 46—45.)



1. A toy comprising a wheeled frame member adapted to rotate about a relatively fixed point and having a rigid extension, a carriage at the far end of said extension, and a wheel member beyond same in fixed relation to the wheeled frame, a rubber motor mounted in said frame and extension, a crank to wind said rubber motor, a shaft connected with the latter, mounted in said carriage, carrying said wheel and rotatable about an axis at right angles to that of the wheeled frame member, and means pivotally mounted on the carriage and engaged by portions of said shaft and rocked thereby.

1,467,217. ELECTROLYTIC CELL. JOHN M. WILLIAMS, Henryetta, Okla. Filed June 24, 1920. Serial No. 391,418. 11 Claims. (Cl. 204—58.)



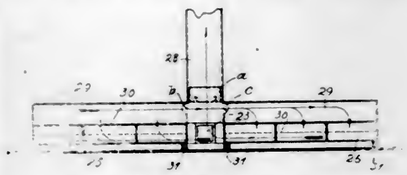
1. An electrolytic cell embodying side walls, a foraminous bottom having a superimposed diaphragm of asbestos, said foraminated bottom forming the cathode of the cell, an anode embodying a plurality of graphite slabs laid edge to edge on the side walls to form a closure for the top of the cell and each of which slabs carries a plurality of depending conductor rods adapted to be partially submerged in the electrolyte within the cell, a duct for feeding electrolyte into the cell, and a draw off duct for drawing off certain products of the electrolyzing operation from the zone directly adjacent the diaphragm and on the anode side thereof.

1,467,218. AIR-INLET VALVE. JOHN VICTOR WILMOTH, Elsternwick, Victoria, Australia. Filed Sept. 16, 1920. Serial No. 410,677. 4 Claims. (Cl. 251—137.)



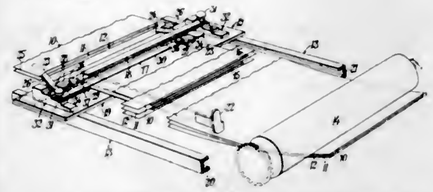
1. In an extra air device of the class described, means for operating the air valve, comprising in combination with the control wire of said valve, a base two supports cast integral therewith, a lever centered between the said supports, the other end of said control wire being attached to the one arm of said lever, a foot-plate at the other end of said lever, one end of said base being turned upwardly and being formed with a bored-out boss on its upper side, through which boss the control wire passes, a casing for the said wire being held in position in said boss, a coiled spring attached at one end to a lug on the inner side of said boss, and at its other end to the under side of the lever between that end to which the control wire is attached and its centre, and a flat spring riveted to a seating on that end of said base at a point adjacent to said lug.

1,467,219. DRYING APPARATUS. OTTO ZIMMERMANN, Ludwigshafen-on-the-Rhine, Germany. Filed Mar. 28, 1921. Serial No. 456,201. 1 Claim. (Cl. 34—19.)



A drying apparatus of the character described, comprising the combination with a heat source of two parallel flues communicating at one end with said heat source, a chimney communicating with the opposite end of the flues, two drying chambers arranged at opposite sides of the flues, drying floors arranged in said chambers, the space below the drying floors of both chambers being in communication with the adjacent flue, a superstructure covering the two chambers and communicating therewith, means for setting the two parts of the superstructure in communication either with one another or with the chimney, means for interrupting the communication of either flue with the heat source, and means for interrupting the communication of either flue with the chimney, substantially as and for the purpose set forth.

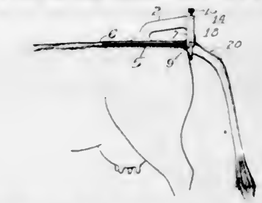
1,467,220. TYPEWRITING MACHINE. J FRANK ALLARD, New York, N. Y., assignor to Underwood Typewriter Company, New York, N. Y., a Corporation of Delaware. Filed May 27, 1920. Serial No. 384,545. 13 Claims. (Cl. 197—126.)



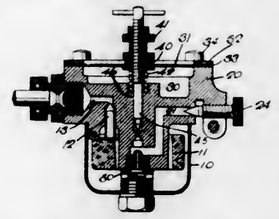
1. In a typewriting machine, the combination with a carriage and a platen, of means for directing a fan-folded web toward the platen, a carbon-sheet supporting-device, adapted to be reciprocated on the carriage, bars on said device extending from opposite sides between the folds of the web, a clip upon each bar adapted to hold a carbon-sheet thereon, a thin flat extension of said bar, a knife having a thin flat body to lie upon the bar, lugs on said body to grip the bar, and a stop for limiting the sliding of the body on the bar.

1,467,221. COW-TAIL HOLDER. HERMAN E. G. ANDERSON, Indiana Harbor, Ind. Filed May 9, 1923. Serial No. 637,650. 2 Claims. (Cl. 119—105.)

2. A holder of the class described comprising an elongated supporting plate or body having at one of its ends a transversely and upwardly disposed casing provided in its lower end with an upwardly extended recess, a pair of spaced clamping members each pivoted in said casing, a jointed connection transversely uniting the upper portions of said members, a screw bolt in loose connection at its lower end with said jointed connection and mounted in screw engagement with the upper portion of said casing for vertical movement, and a spring arm extended downwardly and rearwardly from the lower portion of the casing, said plate or body having a longitudinally extended groove in its lower surface in register with said recess of said casing.

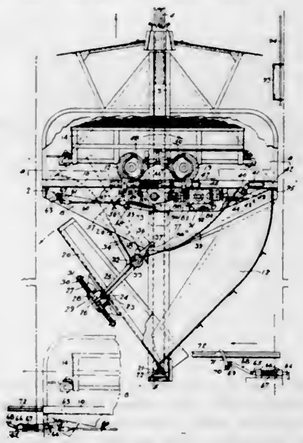


1,467,222. METHOD AND MEANS FOR INCORPORATING AN ANTIKNOCK SUBSTANCE WITH A MOTOR-FUEL MIXTURE. FRED E. ASELTINE, Dayton, Ohio, assignor to General Motors Research Corporation, Dayton, Ohio, a Corporation of Delaware. Filed Dec. 17, 1920. Serial No. 431,528. 11 Claims. (Cl. 123—127.)



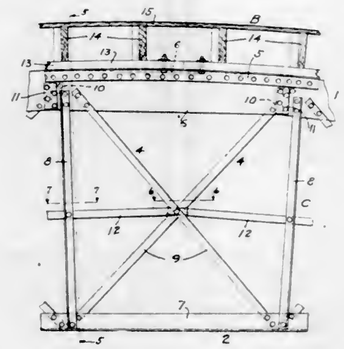
1. The method of operating an internal-combustion engine on a motor fuel which develops a fuel knock at relatively high engine compressions, comprising feeding an anti-knock substance into a fuel mixture at said high engine compressions, and controlling the amount of the substance supplied, by fluid pressure differentials formed by operation of the engine.

1,467,223. HOISTING CAGE. VERNOR T. BARKLEY, Pittsburgh, Pa. Filed Sept. 15, 1920. Serial No. 410,530. 22 Claims. (Cl. 214—122.)



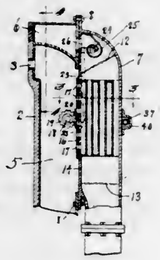
1. A hoisting cage comprising a rotatably movable car support, a pivotally movable discharge chute, and means operable during the upward movement of the cage for simultaneously rotating the said car support in one direction and for moving the said chute to its operative position by pivotal movement in the opposite direction with respect to the rotary movement of said car support.

1,467,224. STEEL TRUSS. FREDRIK G. BORG, Chicago, Ill. Filed Mar. 14, 1921. Serial No. 452,290. 2 Claims. (Cl. 108—23.)



1. A steel roof truss comprising a bowed top chord and a bottom chord rigidly connected to each other at their ends, and web members which connect said top and bottom chords, the top chord comprising flanged members and a girder plate all rigidly connected together, said girder plate being secured between said flanged members and comprising a plurality of straight-sided sections secured together end to end, each of said girder sections being substantially coincident with a single panel of the truss, being wider than the corresponding dimension of said flanged members, and no part thereof extending above the upper side of the top chord, and the flanged members comprising flanges disposed substantially at right angles to the plane of the truss on opposite sides thereof, substantially as described.

1,467,225. FUEL HEATER FOR INTERNAL-COMBUSTION ENGINES. AMEL B. BROLUSKA and HARRY A. BROLUSKA, Detroit, Mich., assignors of one-third to Cyril Caillilau, Detroit, Mich. Filed Mar. 8, 1920. Serial No. 364,047. 5 Claims. (Cl. 123—122.)



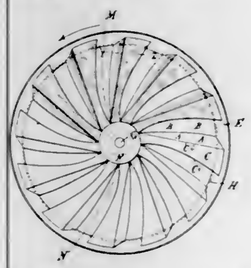
1. In an internal combustion engine, the combination of an exhaust manifold, an intake manifold and a fuel heater connected thereto, said heater comprising a plurality of fuel passages and a plurality of exhaust passages, all having a common wall provided with openings to permit the flow of exhaust gases to a portion of said passages, and a valve slidable on said wall to control the flow of exhaust gases.

1,467,226. CLOTHES DRIER. ERNEST BUTLER, Gerber, Calif. Filed Nov. 3, 1921. Serial No. 512,586. 2 Claims. (Cl. 68—34.)



1. In a clothes drier, a standard having a tubular lower section and an upper section slidably fitting into the lower section, the upper section having a longitudinally extending depression forming a cable seat and the lower section having an opening registering with the depression, a drum support carried by said lower section, a drum rotatably carried by said support, a cable extending through the opening of the lower section and having its outer end portion wound upon the drum and its inner end portion positioned in the cable seat of the upper section and connected with the lower end portion of the upper section, and a fastener extending through the drum support and lower section into the cable seat of the upper section to hold the upper section against rotary movement.

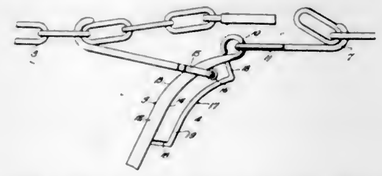
1,467,227. AIR IMPELLER OR PROPELLER. GEORGE MARIE CAPELL, deceased, late of Passenham, near Stony Stratford, England; by Robert Alfred Blake, trustee and legal representative. Filed Sept. 2, 1921. Serial No. 498,096. 5 Claims. (Cl. 170—168.)



1. In an air impeller, blades each consisting of a portion of a disc perpendicular to the axis of said impeller and a portion oblique to said axis, and on the leading side of said perpendicular portion, and a conical ring converging in the direction of said oblique portions secured to the outer extremities of said blades.

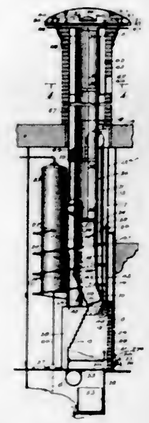
1,467,228. TIRE-CHAIN TIGHTENER. AUGUST CHICHY, Bagley, Minn. Filed Apr. 8, 1922. Serial No. 550,678. 1 Claim. (Cl. 254—78.)

In a device of the character specified, a lever comprising a straight outer end portion forming a handle and a longitudinally curved inner portion formed with flat sides and flat oppositely disposed edges, a tire chain hook connected with the extreme inner end of said inner end portion, a second hook having a fork adapted to straddle and move longitudinally on the curved inner end portion of said lever, a bearing roller carried by said fork and working against the adjacent edge of said inner end portion of the



lever and a guide or keeper secured at opposite ends to said edge of the inner end portion of the lever limiting the movement of the bearing roller and second tire chain hook in both directions.

1,467,229. HEATING SYSTEM. WILLIAM ALBERT COLLVER, Marshfield, Oreg. Filed Apr. 21, 1922. Serial No. 555,861. 6 Claims. (Cl. 126—132.)



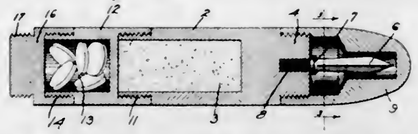
1. A fireplace heater including a water heating door adapted to be disposed in front of the fireplace or above the same, a range boiler, and means establishing communication between the heater door and boiler, and mounted to accommodate itself to the rising and falling of the door.

1,467,230. EYE PROTECTOR. CHARLES O. COZZENS, Southbridge, Mass., assignor to American Optical Company, Southbridge, Mass., a Voluntary Association of Massachusetts. Filed Apr. 2, 1920. Serial No. 370,711. 3 Claims. (Cl. 2—149.)



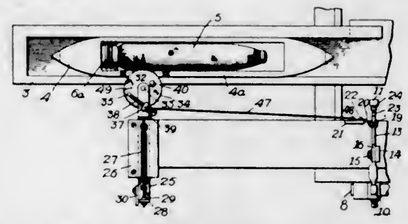
1. A device of the character described, including an eye cup having a lens seat, means for yieldingly holding a lens against the seat, a snap connection between the yielding holding means and the eye cup, and means for relatively shifting the resilient lens support and holding means for disengagement of the parts.

1,467,231. SURGICAL TOOL. FREDERICK NUTTER COX, Berkeley, Calif. Filed June 1, 1921. Serial No. 474,184. 1 Claim. (Cl. 128—253.)



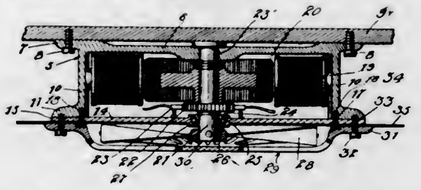
A surgical tool comprising a hollow barrel having a threaded nipple at each end, a lancet arranged at one end of said barrel, a closure for said hollow barrel comprising a container threaded at one end to fit one of the barrel nipples and having a threaded nipple at its other end, a closure for said container threaded at one end to fit the container nipple and having a threaded nipple at the other end, and a cap threaded to fit the other barrel nipple and the last named closure nipple.

1,467,232. FILLING-FEELER MECHANISM. RANDOLPH CROMPTON and WILLIAM E. WOODMAN, Worcester, Mass.; said Woodman assignor to said Crompton. Filed Apr. 17, 1919. Serial No. 290,678. 12 Claims. (Cl. 139—286.)



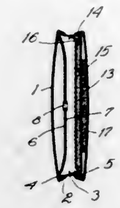
1. In a filling feeler mechanism for looms, a feeler member rotatably mounted about a vertical axis and provided with a toothed filling engaging portion concentric about said axis, and a projecting shuttle engaging portion located eccentrically with respect to said axis.

1,467,233. AUTOMOBILE FAN DEVICE. LEE R. CRUMB, New Berlin, N. Y. Filed Aug. 31, 1922. Serial No. 585,537. 6 Claims. (Cl. 230—1.)



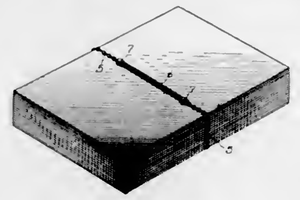
1. A fan device for use in the top structure of automobiles, comprising a supporting frame adapted to be arranged between the spaced upper and lower walls of the top structure, means for connecting the frame with the upper wall, a spider embodying a ring at its periphery secured to the lower end of the supporting frame, field windings mounted within the supporting frame, an armature mounted between the field windings and having an armature shaft journaled in the supporting frame and in the spider, a fan arranged beneath the spider and secured to the lower end of the armature shaft, and a cover for the fan provided at its periphery with a flange, the lower wall of the top structure being inserted between the flange and ring, and means for drawing the flange toward said ring to clamp the lower wall between the same.

1,467,234. POWDER RECEPTACLE. CURTIS L. CRUVER, Chicago, Ill. Filed Dec. 27, 1920. Serial No. 433,324. 1 Claim. (Cl. 132—83.)



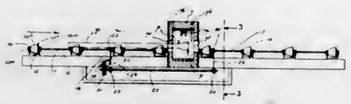
In a device of the class described, a body section having a projecting cylindrical side wall, said wall having an inturned lip on its outer edge, a cover section having a peripheral flange adapted to receive said side wall in sliding engagement, a mirror interiorly mounted in said cover, a leaf spring positioned between said mirror and cover section and having its ends bent outwardly to form a pair of oppositely disposed spring fingers projecting beyond said peripheral flange, said fingers being convexed outwardly to yieldingly slide over said lip and engage the surface of said cylindrical side wall, thereby positioning the cover section in exact alinement with the body section and guiding said sections to sliding engagement and yieldingly holding said cover section in closed position on the body section.

1,467,235. ELASTIC BAND. GEORGE DEKOFF, Chicago, Ill. Filed Aug. 17, 1922. Serial No. 582,416. 8 Claims. (Cl. 24—17.)



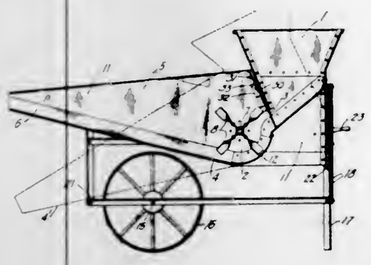
2. An elastic band, comprising a pair of flexible non-elastic sections, a pair of elastic sections interposed between said non-elastic sections, means for coupling the meeting ends of said non-elastic and elastic sections, and means for limiting the stretch of said elastic sections.

1,467,236. SUPERHEATING FURNACE ESPECIALLY FOR ROTARY-CAST PIPE. DIMITRI SENSAUD DE LAVAUD, New York, N. Y. Filed Aug. 27, 1920. Serial No. 406,441. 6 Claims. (Cl. 263—6.)



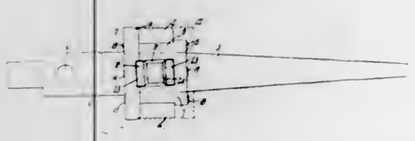
1. In a pipe superheating furnace, the combination of a heat-confining chamber of less length than the length of the pipe and having openings at opposite ends, means for maintaining a superheating temperature in said chamber, and means for advancing the pipe endwise through said chamber along the length of the chamber and by way of such openings and for simultaneously rotating the pipe about its axis.

1,467,237. MATERIAL MIXER. EDWARD J. DELEHANTY, Albany, N. Y. Filed Jan. 24, 1923. Serial No. 614,588. 7 Claims. (Cl. 83—73.)



1. A mixing machine comprising a cylindrical mixing chamber, a hopper normally closed at the bottom but adapted to discharge into the side of said chamber, means for setting up or cutting off communication between said hopper and chamber, a trough tangential to said chamber along the bottom thereof, and a supporting means for the whole substantially coaxial with the cylindrical chamber; the hopper, trough and mixing chamber being rigidly connected and adapted to rock as a unit about the last mentioned means to discharge the contents of the chamber while retaining the contents of the hopper.

1,467,238. TUBE EXPANDER. JAMES T. DEMPSEY, New Bedford, Mass. Filed June 29, 1922. Serial No. 571,601. 2 Claims. (Cl. 153—82.)

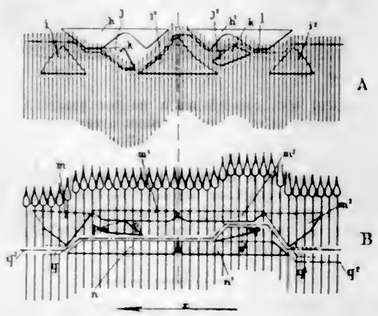


1. A tube expander having, in combination, a head provided with a cylindrical longitudinal bore extending therethrough, there being two pairs of diametrically opposed slots extending through the wall of said head, the slots of one of said pairs being positioned parallel to the axis of said bore and the slots of the other of said pairs being inclined to the axis of said bore, a pair of cylindrical rolls in said parallel slots, a pair of forming rolls in said inclined slots and means projecting into said rolls from opposite ends of their respective slots and adapted to loosely position and retain said rolls in their respective slots.

1,467,239. LOOP-FORMING MECHANISM FOR KNITTING MACHINES. ERNEST DESACHY, Loos-les-Lille, France. Filed Nov. 5, 1920. Serial No. 421,892. 5 Claims. (Cl. 66—28.)

1. In a knitting machine a loop former with two flexible blades forming a point upon which an enlarged loop is formed and an eye into which there can penetrate one or more needles, the latter in the withdrawal movement of the loop former separating the blades and remaining motionless while the blades descend leaving the loop in the hook of the self-acting needles.

3. In a knitting machine, two needle beds, in combination with a cam set for one of said needle beds comprising for each direction of working a stationary cam producing the lift of the needles of one bed slightly before the lift of the needles of the second bed and maintaining the former substantially stationary during the formation of the stitch by the needles of the second bed



and a fresh lift of the latter, a pivoting cam producing a fresh lift of the needles of the first bed at the moment when the needles of the second bed rise for the second time in order to engage the needles of the first bed, and a stationary cam effecting the withdrawal of the latter.

1,467,240. DRY-CELL PRIMARY BATTERY. WALTER SCOTT DOE, Kent, Ohio. Filed Nov. 2, 1920. Serial No. 421,236. 3 Claims. (Cl. 204—38.)



2. A dry-cell primary battery, comprising a positive plate-like element, a negative plate-like element and a depolarizing element interposed between the said positive and negative elements, the said depolarizing element consisting of a pan-shaped receptacle of a bibulous material treated to act as an excitant, said receptacle having an insulating material applied to its sides and ends and wrapped with an insulating tape, and an electrolytic granular material in the form of a cake or tablet held in the said receptacle, the said negative element fitting into the said receptacle to close the same and to contact with the said cake, the said positive element engaging the under side of the said receptacle.

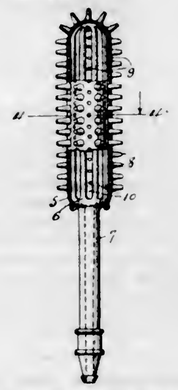
1,467,241. HOLLOW CONCRETE WALL. GEORGE J. ENGERT, Spokane, Wash. Original application filed Feb. 6, 1922, Serial No. 534,605. Divided and this application filed Sept. 27, 1922. Serial No. 590,872. 3 Claims. (Cl. 72—47.)

1. A hollow concrete wall having vertical reinforcing rods embedded therein between the sides of the wall and

the hollow central portion thereof, and horizontally disposed plates embedded in the wall at intervals and bridging the central hollow space, said plates having openings therethrough and being connected with the vertical reinforcing rods.



1,467,242. SYRINGE. MORDECHAI A. ELSTEIN, Kansas City, Mo. Filed July 25, 1921. Serial No. 487,542. 2 Claims. (Cl. 128—242.)



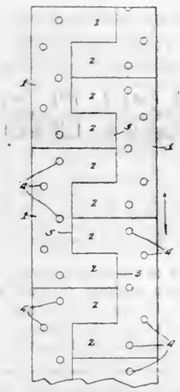
1. In a syringe, a nozzle having one or more discharge openings, and a resilient tubular member arranged to be fitted on to said nozzle and having circumferentially arranged resilient peripheral fingers, and perforations intermediate of said fingers communicating with said discharge openings, substantially as set forth.

1,467,243. ROAD-MAKING MACHINE. WILLIAM J. FITZGERALD, Beloit, Wis. Filed Aug. 30, 1920. Serial No. 406,965. 20 Claims. (Cl. 94—45.)



1. In a device of the class described, a framework extending from side to side of a roadway, a tool carried by said framework and adapted to oscillatory motion longitudinally of the roadway, means imparting said oscillatory motion to the tool, and means for moving said tool in contact with the road making material transversely of the roadway from one side to the other.

1,467,244. PROCESS OF MAKING HINGES. PETER FRANTZ, Sterling, Ill., assignor to Frantz Manufacturing Company, Sterling, Ill., a Corporation of Illinois. Filed Dec. 5, 1921. Serial No. 520,060. 5 Claims. (Cl. 29—11.)



1. The process of making a hinge, comprising the blanking and cutting of sheet metal to form plates each having a space occupied during the blanking operation by the end portions of two other plates, so that the metal cut out to form the space of each plate is utilized to form the end portions of other plates, thereby to prevent waste in the cutting of the metal.

1,467,245. WALKING STEPLADDER. CARL ANLAUF, Pipestone, Minn. Filed Mar. 26, 1923. Serial No. 627,726. 3 Claims. (Cl. 228—27.)

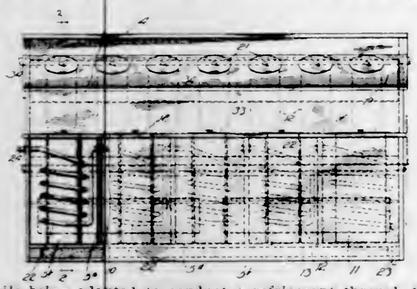


1. A walking step ladder adapted to be straddled by the operator, said ladder comprising a pair of sections, each of which includes a pair of stiles with steps extending therebetween, hinges connecting said stiles together at points spaced below their upper ends, the inner edges of the latter being obliquely cut above the hinges to limit the movement of said sections away from each other and also being obliquely cut below the pivot point of the hinges on a different angle to limit the movement of said sections toward each other.

1,467,246. REFRIGERATING APPARATUS AND METHOD FOR SODA FOUNTAINS. GEORGE HILGER, Chicago, Ill. Filed Apr. 22, 1920. Serial No. 375,698. 8 Claims. (Cl. 62—170.)

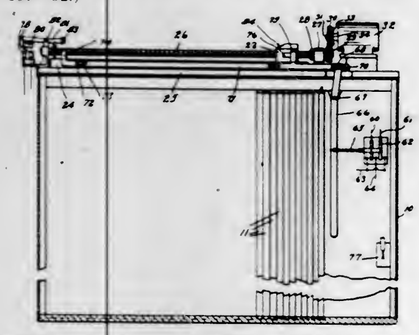
1. A soda fountain having a plurality of separate chambers having freezing media of different densities, the density of each medium being predetermined to conform to the refrigerating requirements in the chamber in which

it is contained, a receptacle in each of said chambers having a cross sectional area substantially less than the cross sectional area of the chamber, and coils encircling each of said receptacles and connected in series, said



coils being adapted to conduct a refrigerant through the body of the freezing medium in each of the chambers whereby to produce in a given length of time an amount of refrigeration in each of the chambers depending upon the density of the freezing medium therein.

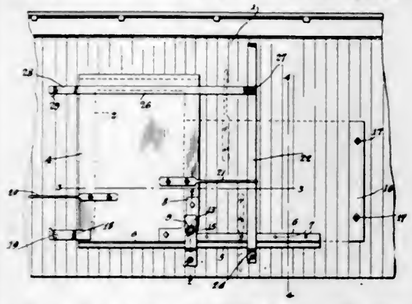
1,467,247. SAFETY MECHANISM FOR ELEVATOR DOORS. ANDREW J. JARNIG, Seattle, Wash. Filed Mar. 28, 1921. Serial No. 456,376. 5 Claims. (Cl. 187—52.)



4. The combination with elevator mechanism including a vertical elevator shaft having doorways provided with horizontally movable doors and a vertically movable elevator cage having a doorway provided with a horizontally movable door, of means for opening and closing said doors simultaneously, said means comprising a screw extending crosswise of the top portion of said cage, a motor for rotating said screw, a carrier block threaded on said screw, and movable lengthwise thereof by rotation of said screw, and means for connecting said carrier blocks with said doors, automatic means for breaking the circuit to said motor at the instant said doors are in a fully open or fully closed position, said means comprising a reversing switch, a bar slidably mounted on said cage, a lever arm pivotally mounted to said cage, said lever arm operatively connecting said reversing switch with said slidably mounted bar, and means for operatively connecting said carrier blocks with said slidably mounted bar for throwing the said reversing switch into its open position, said last named means comprising upwardly projecting arms carried by the slidably mounted bar, and a lug secured in said carrier block and adapted to engage said projecting arms.

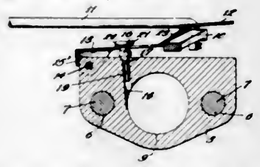
1,467,248. CAR DOOR. STEPHEN H. LOVETT, Miles City, Mont. Filed Nov. 27, 1922. Serial No. 603,675. 1 Claim. (Cl. 20—29.)

In combination, a wall having an opening therethrough, a door to close said opening mounted to move from closed to open position about a horizontal pivot and in a plane parallel to said wall, a bar spaced from said wall and overlying the path of movement of said door, said bar being secured at one end to said wall, and means engaging the



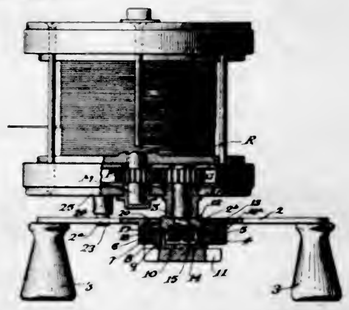
other end of said bar and operable to move said bar toward said wall to frictionally engage said door in its movement to the opening position.

1,467,249. AIR-FEED DEVICE. EBER M. I'EFFECT, Cleveland, Ohio. Filed Sept. 15, 1922. Serial No. 588,435. 4 Claims. (Cl. 123—119.)



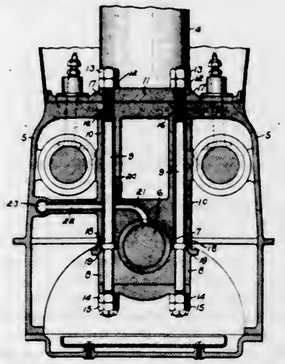
4. The combination with a carbureter, and an intake manifold, of a block secured between the carbureter and the manifold and having a fuel passage therethrough, said block having an air inlet communicating with the said passage, a lever pivotally connected to the block, a valve carried by the lever and normally closing the air inlet passage, said lever having a cam portion, and a throttle lever controlling the exit of fuel from the carbureter, said throttle lever engaging the cam portion of the first mentioned lever, whereby the operation of the throttle automatically controls the movement of the air inlet valve, and means on the first mentioned lever engaging the block and limiting its pivotal movement.

1,467,250. DRAG HANDLE FOR FISHING REELS. WILLIAM H. READLE, San Bernardino, Calif. Filed Nov. 3, 1922. Serial No. 598,963. 11 Claims. (Cl. 242—84.5.)



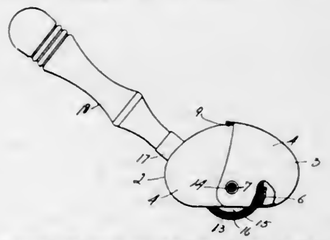
3. A drag reel for fishing tackle comprising, in combination with a driving spindle of the reel, a driving member adapted to be non-rotatively attached to the spindle and having a split, walled, cup-like hub, a binding nut attachable to the spindle and jamming in the split, walled hub, a crank device rotatively mounted on the driving member and having a threaded, housing hub, the driving member having a flange disposed in the hub, friction disc means bearing on the flange, a cover plate adjustably mounted on the threads of the housing hub, and a pressure plate disposed between the cover plate and bearing against the said friction disc means for varying the pressure of the friction connection between the crank and the driving member.

1,467,251. ENGINE. DELMAR G. ROOS, Bridgeport, Conn., assignor, by mesne assignments, to The Locomobile Company, Bridgeport, Conn., a Corporation of Delaware. Filed Feb. 5, 1919. Serial No. 275,221. 9 Claims. (Cl. 121—194.)



1. In an engine, the combination of a cylinder, a crank-case, supporting said cylinder, a crank-shaft, a crank-shaft main bearing comprising a cap, and means to take the action and re-action of said cylinder and cap and to secure each to said crank-case independently of the other, said means comprising two nuts and a tension member onto which said nuts are threaded, said tension member having a shoulder facing one of said nuts and cooperating therewith to secure said cylinder to said crank-case.

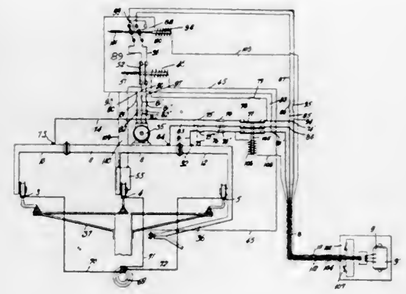
1,467,252. CRUMB GATHERER. ARTHUR A. SHARE, Philadelphia, Pa. Filed July 23, 1921. Serial No. 486,937. 7 Claims. (Cl. 15—41.)



1. A crumb gatherer consisting of two body members, one of said body members having holes therethrough, hollow trunnions carried by the other member and registering with the aforementioned holes to pivot said members together and a brush including an axle the ends of the latter being journalled in said trunnions.

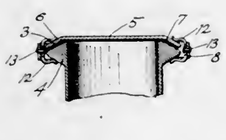
1,467,253. MOTOR-DRIVEN CIRCUIT CARRIAGE. STEPHEN H. SHARPSTEEN, Tenafly, N. J. Filed Aug. 2, 1920, Serial No. 400,769. Renewed Feb. 15, 1923. 11 Claims. (Cl. 191—12.)

1. The system for the distribution of electrical energy comprising a distributing conductor, a carriage mounted on said conductor and in electrical engagement therewith, electrically operated means mounted on the carriage for moving the carriage, said electrically operated means receiving power from said conductor, a conductor carried



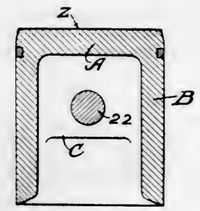
by the carriage for distributing electrical power therefrom and means actuated by said last mentioned conductor for controlling the current supplied to said electrically operated means.

1,467,254. SELF-LOCKING MILK-CAN COVER. ALBERT TARBET, San Diego, Calif. Filed Feb. 21, 1921. Serial No. 446,749. 5 Claims. (Cl. 220—61.)



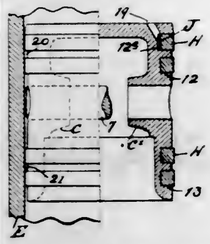
1. The combination with a milk can having an outwardly projecting flange around its mouth, said flange having an outwardly and downwardly inclined upper face and an inwardly and downwardly inclined lower face and a closure comprising a disc with an outwardly and downwardly inclined rim to fit the flange, of a band, U-shaped resilient members secured to the band, the ends of said U-shaped members being adapted to engage the lower face of the flange and the upper face of the closure, and lock mechanism for securing the ends of the band together.

1,467,255. ENGINE PISTON. JOHN THOMSON, Brooklyn, N. Y. Filed Apr. 17, 1922. Serial No. 554,098. 4 Claims. (Cl. 74—108.)



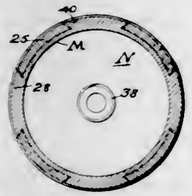
1. As a new article of manufacture, a single acting engine-piston, provided with transverse connecting rod pin bearings, wholly formed of monolithic carbon-graphite, as and for the purpose herein specified.

1,467,256. ENGINE PISTON. JOHN THOMSON, Brooklyn, N. Y. Filed Apr. 17, 1922. Serial No. 554,099. 1 Claim. (Cl. 74—108.)



An engine-piston provided with monolithic carbon-graphite packing rings formed of inserted circular segments ruptured from integral rings and re-set in the piston ring-grooves in the order of their original cleavages.

1,467,257. ENGINE PISTON. JOHN THOMSON, Brooklyn, N. Y. Filed Aug. 29, 1922. Serial No. 585,022. 2 Claims. (Cl. 74—108.)

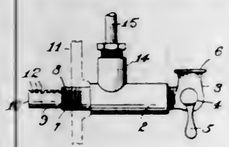


1. An engine piston formed of a metallic headed cylinder and an exterior sleeve of solidified graphitic carbon, said sleeve being provided with a plurality of wedge-like slots primarily filled with molten metal; whereby, when chilled, the graphitic sleeve is compressed vertically and radially.

1,467,258. PROCESS OF MANUFACTURE OF DIPHENYLENE DIKETONES AS ANTHRAQUINONE OR ITS DERIVATIVES. ARTHUR ULLRICH, Frankfort-on-the-Main, Germany. Filed Aug. 9, 1921. Serial No. 491,024. 4 Claims. (Cl. 260—57.)

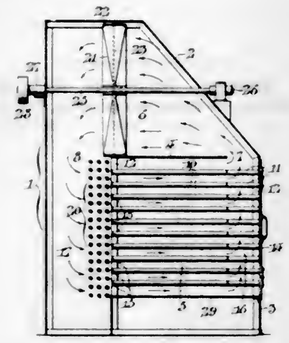
1. The process for manufacturing diphenylene-diketones, which comprises treating an anthracene compound with oxygen under superatmospheric pressure in the presence of an organic acid, an oxygen carrier comprising a nitrogen-oxygen compound, and a metal salt of an organic acid capable of reacting with nitric acid with the formation of a metal nitrate.

1,467,259. VAPORIZER AND PRIMER. ERNEST O. WOLFF, Gillette, N. J. Filed Sept. 21, 1921. Serial No. 502,272. 3 Claims. (Cl. 123—187.5.)



1. A priming device, comprising a tube externally threaded, a valve on the outer end of the tube and provided with a priming cup, the tube being closed at its inner end beyond the threads and provided with small openings in the top of such portion.

1,467,260. DRYING MACHINE. THOMAS ALLSOP and WALTER W. SIBSON, Philadelphia, Pa., assignors to The Philadelphia Drying Machinery Company, Philadelphia, Pa., a Corporation of Pennsylvania. Filed Aug. 11, 1920. Serial No. 402,841. 11 Claims. (Cl. 34—12.)



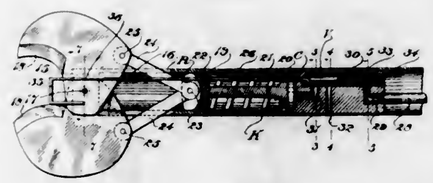
2. A drying machine comprising an enclosure with an opening in front for insertion and removal of sliding trays, and a horizontal diaphragm subdividing the enclosure into a drying chamber and an auxiliary passage; racks in said chamber for sustaining a multiplicity of superposed drying trays spaced apart for circulation of drying medium between them, and stops for so determining the position of the trays on the racks as to leave flow spaces at front and rear of the enclosure; and means in said auxiliary passage for circulating air in the enclosure through said drying chamber and back through said passage.

1,467,261. COVER PLATE FOR PLUG RECEPTACLES. WILBERT L. BABCOCK, Waterbury, Conn., assignor to The Waterbury Brass Goods Corporation, Waterbury, Conn., a Corporation of Connecticut. Filed Aug. 19, 1919. Serial No. 318,478. 2 Claims. (Cl. 247—23.)



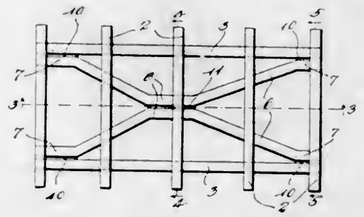
2. A cover plate for plug receptacles of the type described comprising a base plate struck up from sheet metal having an opening therein, and a door of sheet metal closely fitting said opening having its outer face flush with the outer face of the base plate, said base plate and door having a hinged connection and said base plate having a depressed projecting portion integral therewith to serve as a stop for the door and to provide a depression in which the finger of the user may be inserted to open the door.

1,467,262. PNEUMATICALLY-OPERATED CUTTING TOOL. PHILIP BARKER, Kohala, Hawaii. Filed May 16, 1922. Serial No. 561,273. 4 Claims. (Cl. 30—11.)



1. A cutting tool of the character described comprising a pair of cutting blades mounted to occupy cutting and non-cutting positions, means for urging the blades to non-cutting position, fluid operated means for moving the blades to cutting position, a valve for controlling the last means, and a push rod operatively connected to the valve and having a bar arranged adjacent the blades to be engaged by the material to be cut for moving the valve to open position.

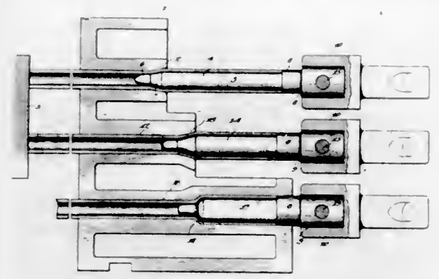
1,467,263. WAGON-BODY BRACE. HARRY L. BARNARD, Mount Pocono, and CHARLES A. NAUMAN, Jr., Cresco, Pa.; said Nauman assignor to Barnard. Filed Sept. 11, 1922. Serial No. 587,441. 2 Claims. (Cl. 296—28.)



1. In combination with a tilting support for end dumping truck body, said support including longitudinally extending side bars pivotally mounted at their rear ends, of bracing bars extending longitudinally of said support between said side bars and having their end portions extending parallel to the side bars and their intermediate portions converging towards the center of said support and provided intermediate the length of the support with portions extending parallel to each other, said side bars and bracing bars being provided with upper and lower flanges, filler blocks positioned between the flanges of the end portions of the bracing bars and side bars and between the flanges of the central portions of the bracing bars, and fasteners and fastener bolts passing through said bars and filler blocks.

1,467,264. PROCESS OF MAKING REACH RODS. ALFRED B. BREEZE, Cincinnati, Ohio, assignor to The Cincinnati Ball Crank Company, Cincinnati, Ohio, a Corporation of Ohio. Filed June 9, 1921. Serial No. 476,340. 10 Claims. (Cl. 29—156.)

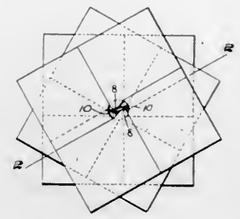
1. The method of expanding the end of a tube consisting in holding the tube within a clamping device, with the end to be expanded extending free therefrom and in a heated state expanding said extended end in gradual degrees from the normal tube diameter to a determined enlarged diameter by forcing different dimension forging tools successively into the end of the tube and within and against a die at the juncture between the normal and clamped dimensions.



1,467,265. PROCESS OF REGENERATING CELLULOSE. ALBERT D. CONLEY and ELTING C. STILLWELL, Baltimore, Md., assignors, by mesne assignments, to James P. Hooper Manufacturing Company, Baltimore, Md., a Corporation of Maryland. Filed May 6, 1919, Serial No. 295,088. Renewed June 12, 1923. 5 Claims. (Cl. 18—34.)

1. A process which comprises setting viscose in a hot solution containing ammonium sulfate, and thereafter, without an intermediate drying, soaking in an alcoholic liquid.

1,467,266. BIT AND METHOD OF MAKING THE SAME. JEAN H. L. DE BATS, Whitman, Mass. Filed May 17, 1921. Serial No. 470,412. 2 Claims. (Cl. 22—182.)

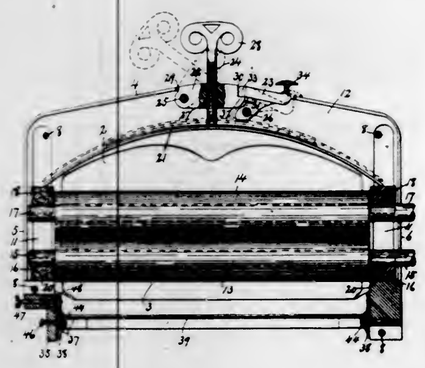


1. A chill mold comprising a plurality of superimposed pressure responsive mold parts each comprising a plurality of sections, adapted to be positioned in substantially the same horizontal plane, edges of one or more of the sections being cut away, and edges of one or more of the sections being fashioned near the vertical axis of the mold.

1,467,267. CLOTHES WRINGER. JOHN N. DERSCHUG, Syracuse, N. Y., assignor to Syracuse Washing Machine Corporation, Syracuse, N. Y., a Corporation of New York. Filed Mar. 24, 1920. Serial No. 368,253. 4 Claims. (Cl. 68—32.)

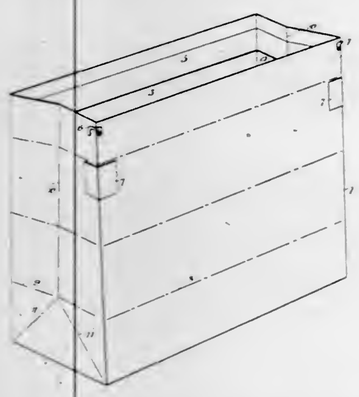
4. In combination in a device of the class described, a pair of pressure rolls, means for supporting one of said rolls for movement toward and from the other, a bow spring for maintaining said movable roll normally in contact with the other roll, an adjustable screw normally engaging the middle portion of said spring, a

pivoted member having a threaded opening for engagement by said screw and a latch tooth adjacent its free



extremity, a pivoted latch for engagement with said tooth and a manually depressible member for disengaging said latch from the tooth.

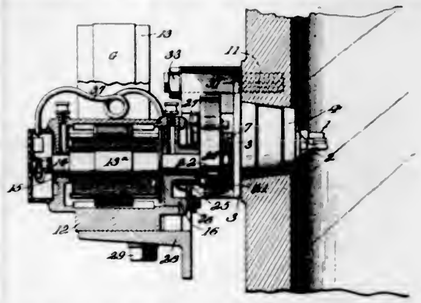
1,467,268. MOTHPROOF CHEST. WILLIAM C. DEISS, Brooklyn, N. Y. Filed Mar. 15, 1922. Serial No. 543,887. 7 Claims. (Cl. 229—55.)



1. A device of the character described, including a bag, a collapsible box fitting within the bag and including a bottom wall, a side wall, and an end wall, said bag adapted to collapse with the box.

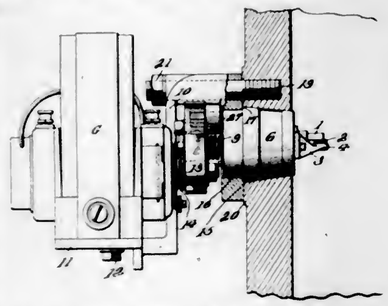
1,467,269. IGNITION DEVICE FOR INTERNAL-COMBUSTION ENGINES. ALBERT ERICKSON, Chicago, Ill., assignor to Splitdorf Electrical Company, Newark, N. J., a Corporation of New Jersey. Filed July 21, 1919. Serial No. 312,228. 9 Claims. (Cl. 123—149.)

1. In an ignition device, a fixed and a movable electrode, a magneto generator having a shaft carrying a current generating member, bearings in which said shaft is mounted, one of said bearings including a projecting sleeve, a coil spring encircling said projecting sleeve, an arm on said shaft to which one end of said coil spring is connected, means for placing said spring under compression and means on the arm itself for releasing



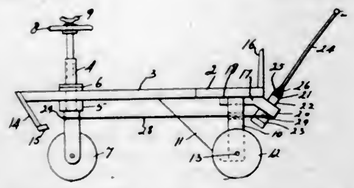
the same for actuating the shaft, and means actuated by said spring for separating said electrodes at the time of maximum current generation in said magneto.

1,467,270. IGNITION DEVICE FOR INTERNAL-COMBUSTION ENGINES. ALBERT ERICKSON, Chicago, Ill., assignor to Splitdorf Electrical Company, Newark, N. J., a Corporation of New Jersey. Filed July 21, 1919. Serial No. 312,229. 9 Claims. (Cl. 123—149.)



1. In an ignition device, a fixed and a movable electrode, a support therefor projecting beyond the face of the engine cylinder, a magneto generator, a bracket for supporting said generator, said bracket having an opening formed therein surrounding the projecting support for the electrodes, and means for holding the support for the electrodes and the bracket in a predetermined relation to each other, and means for securing the bracket to the engine cylinder.

1,467,271. TOY VEHICLE. DAVID W. GUTEKUNST, Philadelphia, Pa., assignor, by direct and mesne assignments, of one-third to Ernst G. Helander and one-third to Christina Anderson, both of Philadelphia, Pa. Filed Oct. 21, 1922. Serial No. 595,939. 3 Claims. (Cl. 280—48.)



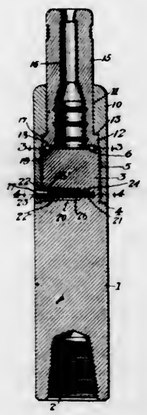
1. In combination with a toy vehicle, a seat, wheels supporting the seat, a steering post connected with one of said wheels, means carried by said post whereby it may be actuated by a person on the vehicle, and means located at the rear of the vehicle and connected with said steering post whereby said vehicle may be pushed and steered by a person other than the rider.

1,467,272. BROILING SKILLET. CHARLES B. HAZLEHURST, Pasadena, Calif. Filed Oct. 26, 1922. Serial No. 597,019. 1 Claim. (Cl. 53—7.)



A frying pan having a bottom with a plane, annular, marginal portion with an outer, upturned wall, said bottom having an upraised, central bottom plate having a substantially plane top surface and being connected to the annular bottom wall by a continuous web; the circumference of the raised plate having an upstanding, marginal, interrupted bead provided with an inner face which is substantially perpendicular to the top plane of said plate, whereby to form an abrupt retaining shoulder to prevent substances, being cooked upon the plate, from shifting laterally off of the said plate; the interrupted bead providing for the escape of liquids from the top of the plate.

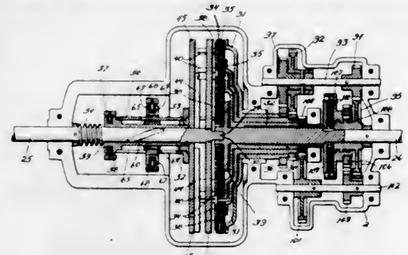
1,467,273. SWIVEL ROPE SOCKET FOR OIL-WELL-DRILLING TOOLS. GEORGE JAQUES, Casper, Wyo. Filed Sept. 16, 1922. Serial No. 588,682. 3 Claims. (Cl. 255—26.)



1. A swivel tool socket comprising a body portion having a screw-threaded boss on its upper end, and a race section in the upper face of said boss; a hollow cable receiving neck having an annular shoulder on its lower end and a companion race section on its lower face; anti-friction members between said race sections; and a shell having a longitudinal bore including an upper section embracing the neck, a shouldered enlargement engaging the annular shoulder on the neck, and a threaded lower section engaging the threaded boss on the body portion.

1,467,274. SELECTIVE POWER TRANSMISSION. EARL J. KEARBY, St. Joseph, Mo., assignor of forty-nine one hundredths to Mary E. Kearby, one-fourth to Maurice S. Finch, and one-fourth to John A. Muchenberger, all of St. Joseph, Mo. Filed July 21, 1920. Serial No. 397,917. 19 Claims. (Cl. 74—59.)

1. In a power transmission mechanism, the combination of driving and driven shafts, a plurality of change speed and reversing gears for operably connecting said shafts, a series of clutch devices respectively connected

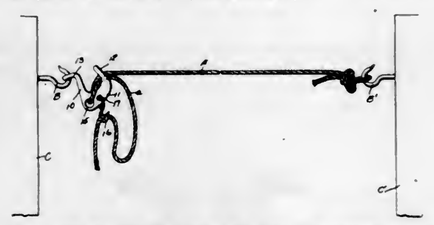


with said gears and concentrically arranged about the axis of said driving shaft and manually controlled means operable to selectively actuate said clutch devices.

1,467,275. PROCESS OF DECOMPOSING ZIRCONIUM AND SIMILAR ORES. JOSEPH KOERNER, Coburg, Germany. Filed Mar. 15, 1923. Serial No. 625,273. 7 Claims. (Cl. 23—13.)

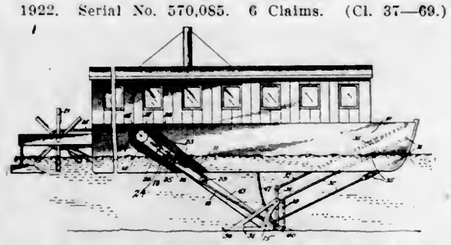
1. The process of purifying or extracting metal oxides from the ores of the class of rare earths which consists in fusing the ore with a fluoride of silicon.

1,467,276. LINE FASTENER. HARRY CRAWFORD LAFFERTY, New Castle, Pa. Filed Oct. 6, 1921. Serial No. 505,860. 5 Claims. (Cl. 24—129.)



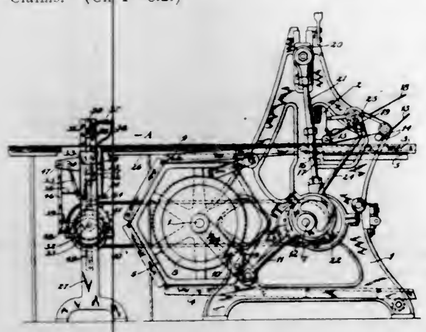
1. A line fastener of hook-like form, the shank thereof having a rearwardly offset eye at its upper end, and a forwardly extending bill at the front of the shank, said fastener having an opening at the end of the bill and having a transverse hole at the base of the bill through which a line may be run and returned.

1,467,277. OYSTER DREDGE. DAWSON R. LOSSING, South Pasadena, Calif., assignor of one-half to Herman Miller, South Pasadena, Calif. Filed June 22, 1922. Serial No. 570,085. 6 Claims. (Cl. 37—69.)



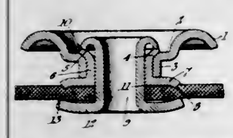
1. In an oyster dredge, the combination with a floating support, of an elevator pivoted to the support and adapted for longitudinal shifting, a point for discharging oysters on to the elevator, a rigid pivoted suspension means for the point and elevator, said suspension means moving in an arc opposite to the arc traversed by the elevator as the latter is shifted on its pivot.

1,467,278. MACHINE FOR USE IN MAKING BOXES. OSCEOLA C. THOMPSON, White Plains, N. Y., assignor to Wirebounds Patents Company, a Corporation of Maine. Filed Apr. 8, 1920. Serial No. 372,162. 26 Claims. (Cl. 1—8.2.)



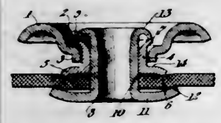
5. A machine for use in making wirebound boxes comprising, in combination, work-positioning means for assembling and spacing box parts; mechanism to apply binding wire to the box parts; means to cause relative progression between said mechanism and the box parts; and wire-severing means to sever the wire in said previously-formed spaces; said wire-severing means being thrown into operation by movement of the work thereagainst and adapted to continue its operation, while the work is moving or after the work comes to rest.

1,467,279. BUTTON FOR SOFT COLLARS AND OTHER ARTICLES. FRANK E. WARNER, Waterbury, Conn., assignor to Scovill Manufacturing Company, Waterbury, Conn., a Corporation of Connecticut. Filed May 31, 1922. Serial No. 564,699. 6 Claims. (Cl. 24—94.)



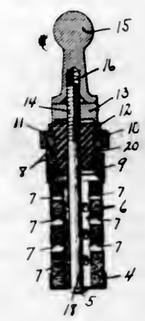
1. A button for soft collars and other articles comprising a head having a shank, a shoulder in said head, and a foot piece provided with a barrel coextensive with and fitting within said shank, the leading end of said barrel being turned over and clinched upon said shoulder to fixedly unite said head and foot piece.

1,467,280. FLEXIBLE BUTTON FOR SOFT COLLARS AND OTHER ARTICLES. FRANK E. WARNER, Waterbury, Conn., assignor to Scovill Manufacturing Company, Waterbury, Conn., a Corporation of Connecticut. Filed June 13, 1922. Serial No. 567,891. 6 Claims. (Cl. 24—94.)



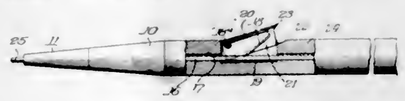
1. A button for soft collars and other articles, comprising a head having a shank, and a foot-piece having a barrel arranged within and spaced from said shank, the upper end of said barrel being expanded to flexibly connect said head and foot-piece.

1,467,281. MANIFOLD HEATER. ARTHUR N. ARMSTRONG, Oneida, N. Y. Filed Jan. 27, 1922. Serial No. 532,155. 1 Claim. (Cl. 219—38.)



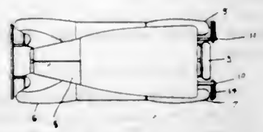
A manifold heater comprising a shaft having a head at one end and its opposite end threaded, a cup-shaped cap mounted on the shaft and in contact with said head, a tubular heating element surrounding said shaft and spaced therefrom and having one end fitted within the cap, a tubular connection surrounding the shaft and engaging the other end of said heating element, an insulating block between the shaft and said connection, and a nut engaged with the threaded end of the shaft and in contact with said insulating block for holding said parts in rigid predetermined relation.

1,467,282. PENCIL. GEORGE B. BERGEN, Milwaukee, Wis. Filed Nov. 27, 1920. Serial No. 426,836. 8 Claims. (Cl. 120—17.)



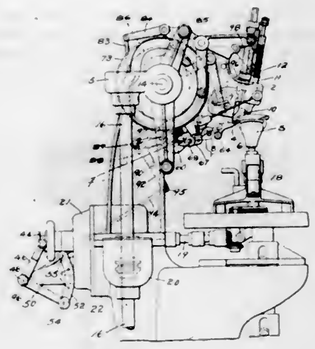
7. A pencil having within its body a longitudinal bore, a toothed plunger slidably arranged within the bore, there being a recess within the body extending from the bore through to the outside thereof, a lever pivoted at one end within the recess and adapted normally to lie flush with the body, and tension means carried by the lever adjacent its pivoted end adapted with each swinging movement of the lever to engage the plunger to propel the same longitudinally through the pencil, substantially as described.

1,467,283. FENDER GUARD. MORRIS FORER, Springfield, Mass., assignor to Fendagard Corporation, a Corporation of Massachusetts. Filed July 11, 1922. Serial No. 574,325. 9 Claims. (Cl. 293—55.)



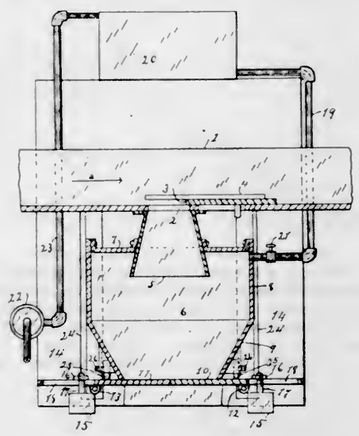
4. Separate rear fender guards each consisting of a member folded upon itself to provide opposing spring bars, one of which is provided with a terminal stop projecting toward the other bar.

1,467,284. THREAD-MEASURING MECHANISM FOR SEWING MACHINES. EDWARD E. FOSTER, Beverly, Mass., assignor to C. C. Blake, Incorporated, Boston, Mass., a Corporation of Massachusetts. Filed May 28, 1917. Serial No. 171,343. 11 Claims. (Cl. 112—58.)



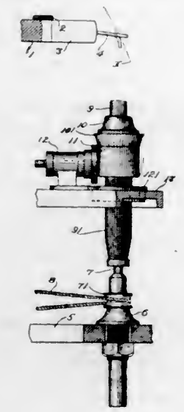
1. A thread measuring mechanism for a sewing machine comprising, in combination, a single thread pulling device mounted to have a to and fro movement, mechanism for imparting said movement to said device, and means for automatically varying the effective thread pulling stroke of said device in accordance with changes in the length of stitch and the thickness of the work.

1,467,285. HYDRAULIC CLASSIFIER. NATHANIEL O. HARMON, Los Angeles, Calif. Filed Oct. 24, 1921. Serial No. 509,967. 2 Claims. Cl. 83—82.)



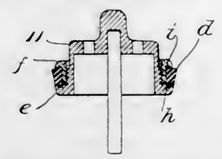
1. A classifier comprising in combination a launder having a port in the bottom thereof; a chamber below said port, said chamber having a flexible top wall, a chute surrounding said port and extending into said chamber through the top, said flexible top being secured to said chute; means to supply water under pressure into said chamber; and regulatable means for automatically controlling the outflow of material through the bottom of the chamber said outflow of material being continuous.

1,467,286. CAP-SPINNING FRAME. JOSEPH H. JONES, Winthrop, Mass., assignor of one-half to Robert Burgess, Newton Center, Mass. Filed July 13, 1922. Serial No. 574,676. 10 Claims. (Cl. 118—62.)



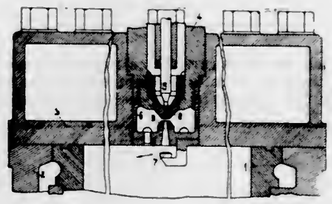
1. Cap-spinning devices comprising a revolving spinning element, a live cap revolving substantially in unison therewith, and a supporting wheel or pivot with which the cap is in external peripheral contact, revolving on an axis in a plane at an angle with the horizontal.

1,467,287. CAP-SPINNING FRAME. JOSEPH H. JONES, Winthrop, Mass., assignor of one-half to Robert Burgess, Newton Center, Mass. Filed July 8, 1922. Serial No. 573,667. 2 Claims. (Cl. 118—62.)



1. The improved pivot or cap-controlling wheel provided with a cap-engaging annulus of frictional material, and with annulus holding devices clamping said annulus between them, said annulus and holding devices constructed for vertically overlapping engagement between the annulus and the holding means, whereby expansion and looping-out of the annulus under centrifugal action are prevented.

1,467,288. INTERNAL-COMBUSTION ENGINE. ADRIAAN FREDERIK VAN AMSTEL, Amersfoort, Netherlands. Filed Nov. 11, 1920. Serial No. 423,439. 1 Claim. (Cl. 123—33.)



In an internal-combustion engine, the combination of a combustion chamber, an auxiliary chamber in constantly open communication with said combustion chamber

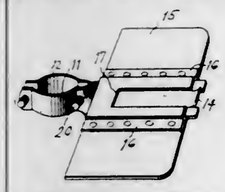
through a permanently restricted passage, a spreading-member, and a nozzle adapted to inject fuel into said combustion chamber in such a way that said fuel before entering said combustion chamber moves through said restricted passage, and on that wise that said fuel after issuing from said nozzle hits against said spreading-member, and substantially coheres together until it has struck said spreading-member.

1,467,289. METHOD OF FABRICATING TIRE FABRICS. GEORGE M. EAMES, Bridgeport, Conn. Filed July 17, 1920. Serial No. 396,993. 1 Claim. (Cl. 154—42.)



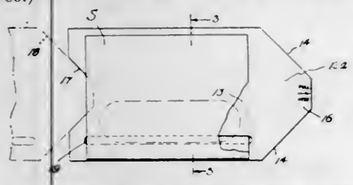
An improvement in the method of fabricating a tire-fabric comprising joining a series of rubberized woven fabric strips cut from sheet-material, the joining of the strips being effected by overlapping rubberized strip ends scarfed by cutting away a portion of the material thereof to produce a juncture conforming substantially to the thickness and plasticity of the strips throughout.

1,467,290. TELEPHONE CARD-DIRECTORY HOLDER. HANZABURO HARASE, Los Angeles, Calif. Filed Oct. 26, 1922. Serial No. 597,034. 5 Claims. (Cl. 40—10.5.)



1. A device as described, comprising a clamp adapted to be secured to the standard of a telephone, a bracket extending therefrom and mounted to be relatively at an angle of 45 degrees with the telephone standard, a card plate slidable upon the bracket, and a turned extremity on the bracket serving to limit the outward movement of the card plate.

1,467,291. SELF OPENING AND DELIVERING ENVELOPE. ROLAND W. BROWN, New York, N. Y. Filed Dec. 1, 1921. Serial No. 519,126. 1 Claim. (Cl. 229—85.)



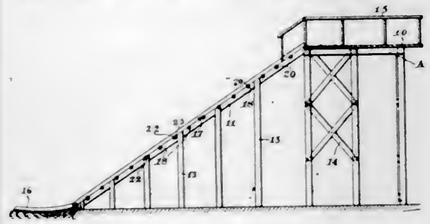
The herein described envelope cutting insert comprising a substantially rectangular sheet of material to approximately fill the envelope to be opened thereby, but having at one end two beveled edges and having remote from said end means for making positive engagement with the message sheet for the delivery thereof coincident with the cutting open of the envelope, the means for engaging and delivering the message sheet being a slot formed through the insert.

1,467,292. JOURNAL BOX. FRANK S. BARKS, St. Louis, Mo., assignor to Lincoln Steel and Forge Company, St. Louis, Mo., a Corporation of Missouri. Filed May 3, 1922. Serial No. 558,070. 4 Claims. (Cl. 64—39.)



1. The combination of a cylindrical journal box, an end closing plate arranged therein, a sinuous holding device engaging said plate, and a cap plate secured to the end closing plate and bearing against the end of the box.

1,467,293. TOBOGGAN SLIDE. IAN EUCHIN MATHESON, Radville, Saskatchewan, Canada. Filed June 2, 1923. Serial No. 643,099. 2 Claims. (Cl. 104—70.)



1. A toboggan slide of the character described comprising a platform and runway provided with suitable supporting means and a hinged extension on the runway adapted to catch a toboggan after it has left the slide, water-proof means for said extension whereby it is designed to float, a plurality of transversely extending rollers operatively mounted at spaced intervals in the runway, a plurality of grooved wheels operatively and alternately mounted between said rollers in the runway and adapted to rotatably engage with the toboggan runners whereby in combination with said rollers the speed of the toboggan is increased and guard means on the runway slides.

Patents Nos. 1,467,294 to 1,467,989.

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Reissues	1—No.	15,684.	
Patents	696—No.	1,467,294 to No.	1,467,989, inclusive.
Total	1269		

Fee for Attorney's Certificate.

On request, a certificate of admission of an attorney to practice before this Office may be issued for a fee of $1.00, which should accompany the request or may be charged to deposit account.

ADJUDICATED PATENTS.

(U. S. D. C. Wis.) Warren patent, 1,344,570, for wall paper and process of making it, *Held* invalid for want of invention. *Harmon Paper Co.* v. *Kimberly Clark Co.*, 289 Fed. Rep., 501.

(U. S. D. C. Wis.) Warren patent, 1,344,603, for paper-making apparatus. *Held* invalid for want of invention. *Harmon Paper Co.* v. *Kimberly Clark Co.*, 289 Fed. Rep., 501.

(U. S. D. C. Wis.) Warren design patent, 54,152. *Held* invalid. *Harmon Paper Co.* v. *Kimberly Clark Co.*, 289 Fed. Rep., 501.

TRADE-MARKS CANCELED.

46,912. Hose suspenders. Frank & Gutmann, of New York, N. Y. Registered October 17, 1905. Canceled June 14, 1923.

136,040. Typewriters. Paul M. Hooven, of New York, N. Y. Registered October 26, 1920. Canceled May 19, 1923.

160,812. Malt extract. Oscar Von Bernuth, Inc., of New York, N. Y. Registered October 24, 1922. Canceled July 24, 1923.

162,530. Dry crystals for general cleansing and washing. Don F. Lauro, of New York, N. Y. Registered December 19, 1922. Canceled July 2, 1923.

163,506. Ice cream. Hoyler Baking Company, of Escanaba, Mich. Registered January 16, 1923. Canceled June 26, 1923.

164,547. Varnishes, stains, and ready-mixed paints. McGlone Varnish Company, of Revere, Mass. Registered February 20, 1923. Canceled July 2, 1923.

Disclaimers.

1,421,436.—*George E. Ferguson* and *Luis E. Eckelmann*, New York, N. Y. FIRE-EXTINGUISHING AGENT. Patent dated July 4, 1922. Disclaimer filed August 24, 1923, by the assignee, *Pyrene Manufacturing Company*.

Hereby enters this disclaimer—

"To that part of the claim (numbered 13) in said specification which is in the following words, to wit:

"13. A fire extinguishing agent comprising an acid solution and an alkaline solution, one of said solutions containing licorice."

1,438,661.—*Alfred C. Nelson*, Lakewood, and *Edgar J. Reilly*, Youngstown, Ohio. HOT-METAL CAR. Patent dated December 12, 1922. Disclaimer filed August 18, 1923, by the assignee, *The William B. Pollock Company*.

Hereby enters this disclaimer as to claim 27 of said Letters Patent.

Interference Notice.

U. S. PATENT OFFICE, *Washington, Aug. 23, 1923.*

Robinola Phonograph Co., its assigns or legal representatives, take notice:

An interference has been declared by this Office between the application of Charles M. Robinson, 119 East Fifth Street, Cincinnati, Ohio, for registration of a trade-mark and trade-mark registered November 23, 1920, No. 137,388, to Robinola Phonograph Co., 104 North Tenth Street, St. Louis, Mo. The notice of such declaration sent by registered mail to said Robinola Phonograph Co. on December 22, 1922, at the said address has not been returned by the post-office authorities; but the applicant has since been unable to secure service on said company. Notice is therefore hereby given that unless said Robinola Phonograph Co., its assigns or legal representatives, shall enter an appearance therein within thirty days from the first publication of this order the interference will be proceeded with as in case of default.

This notice will be published in the OFFICIAL GAZETTE for three consecutive weeks.

(Signed) KARL FENNING,
Acting Commissioner.

Condition of Applications Under Examination at Close of Business August 31, 1923.

(Total number of applications awaiting action, exclusing Trade-Mark division, 76,006; Trade-Mark division, 3,333. Oldest new case, Sept. 29, 1922; oldest amended, Oct. 19, 1922. The dates given are 1922 except where * indicates 1923.)

Room No.	Divisions, Examiners, and subjects of inventions.	Oldest new application and oldest action by applicant awaiting office action. New.	Amended.	No. of applications awaiting action.
314	1. LOEFFLER, F. A., Closure Operators; Fences; Gates; Harrows and Diggers; Plows; Planting; Scattering Unloaders: Trees, Plants, and Flowers.	Nov. 13	Nov. 8	1,342
128	2. HADEN, C. F., Bee Culture; Dairy; Preserving; Presses; Tents, Canopies, Umbrellas, and Canes; Tobacco.	Dec. 9	Nov. 9	1,498
175	3. RICH, WM. J., Electric Heating and Rheostats; Electrochemistry; Heating; Metal Founding; Metallurgical Apparatus; Metallurgy; Metal Treatment; Plastic Metal Working.	Nov. 16	*Jan. 18	1,435
234	4. MERRITT, A. D., Conveyers, Chutes, Skids, Guides, and Ways; Conveyers, Fluid Current; Conveyers, Power Driven; Excavating; Handling—Hand and Hoist-Line Implements; Material or Article Handling; Pushing and Pulling Implements; Railway Mail Delivery; Traversing Hoists.	Nov. 11	*Feb. 28	1,618
167	5. MACNAB, J. F., Bookmaking; Books, Strips, and Leaves; Harvesters; Jewelry; Manifolding; Music; Printed Matter; Tying Cords or Strands.	Sept. 29	Oct. 19	1,520
318	6. LEWERS, A. M., Bleaching and Dyeing; Chemicals; Chemistry—Carbon Compounds; Explosive, Pyrotechnic, and Match Compositions; Fertilizers; Liquid Coating Compositions; Medicines; Plastic Compositions; Substance Preparation.	Oct. 12	*Feb. 10	1,744
312	7. JARBOE, C. G., Games and Toys; Optics; Photography	Nov. 14	*Jan. 5	2,788
133	8. CLIFT, J. W., Beds; Chairs and Seats; Furniture; Kitchen and Table Articles; Store Furniture; Supports.	*Feb. 20	*May 2	1,715
221	9. TRYON, F. M., Air and Gas Pumps; Hydraulic Motors; Injectors and Ejectors; Motors, Fluid; Motors, Fluid Current; Pumps.	Oct. 30	*July 9	911
235	10. HUNTER, O. F. (Acting), Motor Vehicles; Land Vehicles—Animal Draft Appliances, Bodies and Tops, Dumping, Wheel Substitutes.	Nov. 24	Dec. 27	1,503
154	11. ARMSTRONG, H. C., Boot and Shoe Making; Boots, Shoes, and Leggings; Button, Eyelet, and Rivet Setting; Harness; Hides, Skin, and Leather; Leather Manufactures; Nailing and Stapling; Whips and Whip Apparatus.	*Feb. 12	*Feb. 20	1,031
322	12. PIERCE, P. P., Machine Elements	*Jan. 2	*Jan. 29	1,485
329	13. NIXON, G. A., Bolt, Nail, Nut, Rivet, and Screw Making; Chain, Staple, and Horseshoe Making; Driven, Headed, and Screw-Threaded Fastenings; Gear Cutting, Milling, and Planing; Metal Drawing; Metal Forging and Welding; Metal Rolling; Metal Working; Needle and Pin Making; Turning.	Dec. 6	*Apr. 17	1,197
323	14. BRUMBAUGH, N. J., Compound Tools; Cutting and Punching Sheets and Bars; Farriery; Metal Bending; Metal Tools and Implements, Making; Sheet-Metal Ware, Making; Tools; Wire Fabrics and Structure; Wire Working.	Nov. 2	*June 14	1,168
308	15. REDROW, W. L., Glass; Laminated Fabric and Analogous Manufactures; Paper Making and Fiber Liberation; Plastic Block and Earthenware Apparatus; Plastics.	Nov. 4	Dec. 15	2,148
112	16. BACKUS, C. D., Radiant Energy; Telegraphy; Telephony	Nov. 11	Nov. 6	2,622
307	17. RAFTER, G. S., Coating, Label Pasting, and Paper Hanging; Nut and Bolt Locks; Ornamentation; Paper Manufactures; Printing; Type Casting; Sheet-Material Association or Folding; Sheet or Web Feeding or Delivering; Type Setting.	Nov. 8	*Mar. 6	1,599
229	18. PORTER, M. E., Liquid Heaters and Vaporizers; Motors, Expansible-Chamber Type; Power Plants; Speed-Responsive Devices.	Nov. 1	Nov. 1	2,047
236	19. GLASCOCK, E. S., Automatic Temperature and Humidity Regulation; Furnaces; Heating Systems; Stoves and Furnaces; Thermostats and Humidostats.	*Apr. 24	*May 16	671
179	20. WRIGHT, H., Artificial Body Members; Miscellaneous Hardware; Closure Fasteners; Cutlery; Dentistry; Locks and Latches; Safes; Undertaking.	*Jan. 9	*Jan. 10	1,674
212	21. THURBER, W. L., Winding and Reeling; Textiles—Braiding, Netting, or Lace Making, Cloth Finishing, Fiber Preparation, Knitting, Spinning, Twisting or Twining, Weaving.	Nov. 3	*Apr. 16	1,062
249	22. COLWELL, J. H., Aeronautics; Firearms; Ordnance; Ammunition and Explosive Devices; Ammunition and Explosive-Charge Making; Air Guns, Catapults, and Targets; Boats and Buoys; Ships; Marine Propulsion.	Dec. 5	*Feb. 5	655
217	23. GROESBECK, W. D., Acoustics; Coin Handling; Recorders; Registers; Sound Recording and Reproducing.	Oct. 18	Nov. 18	863
144	24. DURAS, C. O., Apparel; Apparel Apparatus; Garment Supporters; Sewing Machines	Nov. 15	*Feb. 8	1,382
315	25. LIGHTFOOT, J. H., Agitating; Butchering; Centrifugal-Bowl Separators; Mills; Threshing; Vegetable and Meat Cutters and Comminutors; Gas Separation.	*Mar. 7	*Jan. 31	1,047
105	26. HODGES, J. S., Electricity, Generation; Motive Power; Prime-Mover Dynamo Plants	Nov. 16	Nov. 10	1,034
214	27. ANDERSON, L. S., Brush, Broom, and Mop Making; Brushing, Scrubbing, and General Cleaning; Laundry; Washing Apparatus.	Dec. 1	Dec. 9	1,567
225	28. BENSON, A. R., Internal-Combustion Engines	*Jan. 9	*Jan. 26	1,448
147	29. MORRIS, B. N., Abrading; Boring and Drilling; Button Making; Chucks or Sockets; Coopering; Tool-Handle Fastenings; Wheelwright Machines; Wood Sawing; Wood Turning; Woodworking; Woodworking Tools.	Nov. 14	*Jan. 2	1,401
152	30. SULLIVAN, M. R., Illuminating Burners; Illumination; Liquid and Gaseous Fuel Burners; Typewriting Machines.	*Jan. 3	*Apr. 18	1,912
172	31. HOLMES, W. N., Alcohol; Ammonia, Water, and Wood Distillation; Charcoal and Coke; Gas, Heating and Illuminating; Hydraulic Cement and Lime; Mineral Oils; Oils, Fats, and Glue; Sugar, Starch, and Carbohydrates; Concentrating Evaporators.	Nov. 16	Nov. 15	1,672
278	32. BANCROFT, J. F., Gas and Liquid Contact Apparatus; Heat Exchange	Nov. 9	Nov. 11	1,392
70	33. WYMAN, W. I., Bridges; Hydraulic and Earth Engineering; Masonry and Concrete Structures; Metallic Building Structures; Roads and Pavements; Roofs; Rod Joints or Couplings; Pipe Joints or Couplings; Valved Pipe Joints or Couplings.	Dec. 11	Nov. 15	1,754
304	34. SIMPSON, G. R., Electricity-Transmission to Vehicles; Pneumatic Dispatch; Railways; Railway Rolling Stock; Railway Switches and Signals; Railways, Surface Track; Railway Wheels and Axles; Store Service; Track Sanders; Vehicle Fenders.	*Jan. 18	*Mar. 5	829
52	35. REYNOLDS, E. C., Buckles, Buttons, Clasps, Etc.; Card, Picture, and Sign Exhibiting; Signals and Indicators; Toilet.	*Feb. 21	*Apr. 27	1,047
265	36. MORTON, G. L., Automatic Weighers; Driers; Geometrical Instruments; Measuring Instruments; Force Measuring.	*Feb. 3	*Jan. 20	2,101
107	37. TAYLOR, E. C., Electricity, Circuit Makers and Breakers	Nov. 8	Nov. 18	1,962
378	38. IDE, G. R., Animal Husbandry; Earth Boring; Fishing, Trapping, and Vermin Destroying; Mining, Quarrying, and Ice Harvesting; Stationery; Stoneworking; Wells.	Nov. 11	Nov. 2	2,017
220	39. COWLES, A. W., Fluid-Pressure Regulators; Multiple Valves; Valves; Water Distribution	Nov. 1	Nov. 2	1,404
269	40. OBERLIN, J. J., Baggage; Bottles and Jars; Cloth, Leather, and Rubber Receptacles; Deposit and Collection Receptacles; Metallic Receptacles; Package and Article Carriers; Paper Receptacles; Special Receptacles and Packages; Wooden Receptacles.	Nov. 6	*Apr. 26	2,235
125	41. BROWN, J. I., Land Vehicles, Wheels and Axles; Resilient Tires and Wheels	*Jan. 17	*Mar. 2	959
114	42. CUTTING, H. O., Electrical Conduits and Housings; Electric Signaling; Electric Lamps	Nov. 11	Dec. 2	1,758
382	43. HOPKINS, F. M., Baths and Closets; Electricity, Medical and Surgical; Fire Extinguishers; Sewerage; Surgery; Liquid Separation or Purification.	Nov. 18	Nov. 18	1,862
253	44. SHAFFER, C. H., Bread, Pastry, and Confection Making; Dispensing; Dispensing Beverages; Filling and Closing Portable Receptacles; Railway Draft Appliances; Refrigeration.	Dec. 7	*Mar. 19	1,178
379	45. GILES, A. H., Journal Boxes, Pulleys, and Shafting; Lubrication; Motors; Spring Devices	Dec. 6	Nov. 20	1,639
332	46. WOLCOTT, C. L., Curtains, Shades, and Screens; Educational Appliances; Fire Escapes; Ladders; Fluid Sprinkling, Spraying, and Diffusing; Paper Files and Binders; Wooden Buildings; Scaffolds.	Dec. 4	*Jan. 8	1,583
264	47. BARKER, H., Brakes; Clutches and Power Stop Control; Elevators; Fluid-Pressure Brake and Analogous Systems; Horology; Time-Controlling Mechanism.	Nov. 27	*Feb. 16	1,206
118	48. ROEPKE, O. B., Electricity Conductors; Electricity, General Applications	Nov. 2	Nov. 3	2,414
383	49. EDINBURG, F. P., Check-Controlled Apparatus; Domestic Cooking Vessels; Fuel and Igniting Devices; Joint Packings; Packed Shaft or Rod Joints; Pneumatics; Velocipedes.	Dec. 4	Dec. 9	638
102	DESIGNS: C. O. MARKHAM (Acting)	*Jan. 22	*Mar. 7	2,269
163	TRADE-MARKS, LABELS AND PRINTS: T. L. MEAD, JR. (Trade-Marks	*May 25	*July 18	3,236
	(Labels and Prints	*Aug. 16	*Aug. 24	97

DECISIONS IN PATENT AND TRADE-MARK CASES.

Supreme Court of the United States.

LAYNE AND BOWLER CORPORATION *v.* WESTERN WELL WORKS, INC., ET AL.

Decided April 9, 1923.

CERTIORARI—WRIT IMPROVIDENTLY GRANTED—DISMISSAL.

A writ of certiorari granted by the Supreme Court of the United States on the ground that there is a conflict between decisions of two circuit courts of appeals with respect to the validity and scope of a patent will be dismissed as improvidently granted if after the hearing it appears that there is in fact no such conflict between the decisions.

Mr. Frederick S. Lyon, Mr. Leonard S. Lyon, and *Mr. William K. White* for petitioner.

Mr. Charles E. Townsend, Mr. Frederic D. McKenney, and *Mr. William A. Loftus* for respondents.

Mr. David P. Wolhaupter, Mr. Raymond Ives Blakesley, and *Mr. Charles C. Montgomery* as amici curiæ.

Mr. Chief Justice TAFT delivered the opinion of the Court.

This is an ordinary patent case. There was no reason for granting the application for a writ of certiorari except upon the ground that the Circuit Courts of Appeals for the Fifth and the Ninth Circuits had differed in respect to the validity and scope of the patent and that uniformity required a decision from this Court. The arguments and the briefs have aroused further inquiry in the minds of the Court as to whether there was in fact any conflict between the decisions of the two circuit courts of appeals, and whether the writ of certiorari was not improvidently granted.

The Layne patent, [S21,653, May 29, 1906] now owned by the Layne and Bowler Corporation, the petitioner, was for apparatus for drawing water from deep wells, driven or Artesian, and especially for adjusting a pump in them. In such wells, it is essential that the adjustment, the alignment and the lubrication should be effected from the top because the bore of the well is so small that the operator can not descend to the pump. The Layne patent covered many different devices for assembling the various parts at the top so that they could be thrust down the well hole and be adjusted in place at the bottom, so that the shaft of the rotary pump should be held in proper alignment as it rotated, so that it should not be clogged with sand and water as the pumping went on, and so that the shaft and the bearings in which it moved placed at intervals from top to bottom should be lubricated. To effect these objects the inventor used a casing or cylinder surrounding the shaft, divided them both into sections, united one section to another by a sleeve or screw thread and in these sections pushed the apparatus down the well hole. There was a bearing at each end of each section of the casing in which the shaft was to revolve. Layne assembled with this shaft and casing, wedges and spiders to hold the two in place against the sides of the well hole. The rotary pump was held suspended in alignment by the weight of the casing and was closed from the casing by a packed bushing in which the shaft revolved and which prevented water and sand and other detritus from clogging the shaft and its bearings. The water from the pump was carried to the top by a separate pipe. The lubrication was effected by pouring the oil in at the top of the casing, and allowing it to leak through each bearing to the bottom of the casing whence it was drawn at intervals out of the casing by forcing air through an air vent at the top of the casing. The pump with the rotary shaft was old. the use of sections was old generally though it does not seem to have been applied in this particular field before, and the closed casing or cylinder surrounding the shaft was old. In a prior patent to Crannell for a pump in wells large enough to permit a man to go to the bottom, a rotary shaft with a cylindrical casing closed against the pump is shown.

In practice, Layne did not use packing and bushing but relied on a long sleeve to keep water and sand out of the casing. Nor did he ever use the wedges and spiders for alignment.

The three claims sued on in this case were Nos. 9, 13 and 20, as follows:

9. In a well mechanism, the combination with a pump casing of a rotary pump of a jointed pump shaft and a closed casing surrounding the pump shaft from the pump to the top of the well.

13. The combination with a pump and its actuating shaft of a sectional casing therefor, provided at each end of each section with a fixed block with bearings for the shaft, the casing being closed at the top and provided with an air vent.

20. The combination of a well casing, a rotary pump therein, and a line shaft for the pump entirely closed off from the water in the well.

In 1912, in an infringement suit the validity of this patent and of claim No. 13 was considered by the Circuit Court of Appeals of the Fifth Circuit and sustained. Infringement by defendant of that claim was found and a decree for damages entered. (*El Campo Mach. Co.* v. *Layne*, 195 Fed. Rep., 83.) The decision is a per curiam and there is no discussion and no description of the defendant's device in the report.

In 1914, the same circuit court of appeals had to consider the patent again in *Van Ness* v. *Layne* (213 Fed., 804). The claims relied on were the 4th, the 9th, the 13th and the 20th. The 4th was found not to be infringed, and as we are not concerned with it here, we can disregard it. The court found

that Van Ness, the alleged infringer, did not use an air vent to force his oil out of the casing as we are informed by this opinion the infringer El Campo had done in the previous case. So it was held that Van Ness did not infringe claim No. 13. The court held that the jointed feature of the shaft made part of claim 9 added nothing to the novelty or patentability of the device and that claims No. 20 and No. 9 really covered the same ground. The court held, however, that the use of the entirely closed casing to exclude water and detritus from the shaft and its bearing, to secure lubrication of the bearings from the top and to align the bearings and shaft so as to prevent lateral displacement in the well and keep the shaft in a vertical position was a novelty and did supply a want in the field of deep pumps. As to infringement the court held that the casing of Van Ness's apparatus, although not so completely as the patented device, did keep the water and detritus from all the bearings but one on the shaft; that the lubrication was effected in practically the same way, and, though this was very doubtful in the mind of the court, the alignment was preserved by the downward thrust of the suspended casing and bearings. Accordingly it was held that the 20th claim was infringed.

In *Getty* v. *Lane* (262 Fed. 141), the same court considered the patent a third time. In its opinion, it said (p. 143):

> The Layne patent too nearly resembles the Crannell patent to be called a pioneer patent, though it did accomplish a revolution in the well-drilling industry. Its merit was in adapting the Crannell type of pump to a narrow and deep well hole, in a way that has been held by us to exhibit novelty. While the substitution of mere mechanical equivalents for the means adopted by Layne could not avoid infringement of his patent, it is also true that the range of equivalents can not be enlarged upon the idea that his patent was a pioneer one in the pump art. Its advance over Crannell prevented Crannell from being considered by us an anticipation, and was enough to show novelty, but it stops there. The Layne patent must rest, not upon the idea of closure, which would not be patentable apart from the method by which it was accomplished, but upon the means of its accomplishment, as disclosed by the specifications of his patent.

The court then held that alignment in the alleged infringement was secured by resting on the bottom of the well and not by suspension from the top and the downward thrust of the weight. It further held that Layne effected his lubrication by stagnant oil removed by forced air at intervals, whereas the alleged infringer had a circulatory system by which the oil after leaking through the bearings escaped from the bottom into the water around the pump, and that finally the closure of the casing against water and detritus was effected not by a bushing or packing but by the downward flow of the oil. This led to a dismissal of the bill.

The Circuit Court of Appeals of the Ninth Circuit in this case instead of differing from that of the fifth circuit, seems, on a careful examination of the opinions and the infringing devices under consideration in the different cases, to have followed the opinions in the fifth circuit. It sustained the validity of the 9th, 13th and 20th claims. It did not greatly consider the 13th claim because it was as clearly not infringed by the respondent here, as it was not infringed by the Van Ness device in the fifth circuit case. The ninth circuit court held as the fifth circuit court had held in the Getty case, that the scope of the Layne patent claims was much restricted by the prior art and that a circulatory system of lubrication was not the same as a closed stagnant system. The entirely closed casing as an element of the 20th claim furnishing a stagnant lubrication did not, therefore, find its equivalent in the casing of the respondent which was open at the bottom to permit a circulatory lubrication.

It is manifest from this review of the conclusions in the two circuits as to the validity of the Layne patent and the proper construction to be put upon the 9th, 13th and 20th claims, that they were really in harmony and not in conflict and that there was no ground for our allowing the writ of certiorari to add to an already-burdened docket. If it be suggested that as much effort and time as we have given to the consideration of the alleged conflict would have enabled us to dispose of the case before us on the merits, the answer is that it is very important that we be consistent in not granting the writ of certiorari except in cases involving principles the settlement of which is of importance to the public as distinguished from that of the parties, and in cases where there is a real and embarrassing conflict of opinion and authority between the circuit courts of appeal. The present case certainly comes under neither head.

Precedents for dismissing a writ of certiorari improvidently granted are found in *Furness, Withy & Company* v. *Yang-Tsze Ins. Ass'n* (242 U. S., 430) and in *United States* v. *Rimer* (220 U. S., 547).

Writ of certiorari dismissed.

Court of Appeals of the District of Columbia.

FAGEOL *v.* LYON.

No. 1,564. Decided June 4, 1923.

1. INTERFERENCE—REDUCTION TO PRACTICE.

   Where the subject matter involved is a hook bolt designed to clamp the supporting arms of a bumper or buffer to the frame of an automobile, tests made by pulling and jerking the bumper can hardly be accepted as subjecting the bolts to the strains and stresses which would be imposed by running the car over the average road.

2. SAME—SAME—TESTIMONY.

   Where the only witness corroborating F. as to the success of a test stated that he observed the clamps before starting on a trip and that they were "good and tight," but during the run and after the trip was completed he made no examination of the clamps other than looking at them, but said that *as far as he could see* they were holding tight, and where concerning another test he corroborated F. only to the extent of saying that the bolts "held all right," but failed to describe the test, *Held* that the evidence was insufficient to establish reduction to practice.

3. SAME—SAME—DELAY.

   Where F. filed his application in November, 1917, and admitted that at any time from 1912 to 1917 he could have applied for a patent had he so desired and did patent other inventions in 1912, but apparently took no interest in the invention in controversy until after he saw L.'s invention in 1917, the opinion of the court that the evidence in behalf of F. was insufficient to establish an actual reduction to practice was confirmed by F.'s admission that he did not consider the devices far enough developed in 1912, when he tested the invention, to file an application for a patent.

Mr. J. H. Hilliard and *Mr. Frank S. Duncan* for Fageol.

Mr. H. L. Duncan and *Mr. Melville Church* for Lyon.

Before SMYTH, Chief Justice, ROBB, Associate Justice, and SMITH, Judge of the United States Court of Customs Appeals.

SMITH, *J.*:

The subject matter here involved is a hook-bolt attachment which is designed to clamp the supporting arms of a bumper to the channel-shaped frame of an automobile and to hold the bumper fast to the frame. The invention is set forth in eight counts of which counts 1 and 8, will serve to illustrate the purposes of the invention. Counts 1 and 8 are as follows:

> 1. In automobile buffers, a buffer having an impact portion, bearing members to be connected with said buffer and each having a portion adapted to extend around two outer sides of one of the automobile frame members, a one-piece retainer member cooperating with each bearing member and having a hooked end extending around a flange of one of said frame members and cooperating with an inner face thereof which is opposite to said bearing member and means to force together said bearing member and the hook end of said retainer to secure them to said frame member.
>
> 8. In attaching devices adapted for use in attaching an automobile buffer or the like to automobile frame members having projecting flanges, a one-piece retainer having a hooked portion adapted to extend around one of the flanges of said frame members and having a hook end adapted to cooperate with an inner side of said frame member considerably away from the flange edge and securing means engaging said retainer and adapted to clamp said retainer in substantially rigid supporting position with respect to the cooperating frame member.

Lyon, the appellee, filed his original application for a patent on April 12, 1916, and on a continuation of that application filed on December 7, 1916, a patent was granted on May 21, 1918.

Fageol, the appellant, filed his application on the 12th of November, 1917, and is therefore the junior party.

The testimony submitted by Fageol in the interference proceedings shows that he had made a test prior to August 1, 1912, of three different types of clamping hook bolts which are covered by some or all of the counts in issue. The three types were known as the "fish clamp", the "square mouth", and the "round" or "eye-shaped". The fish clamp was tested on July 4, 1912, by using it to attach a bumper to a Ford automobile which with the bumper so attached made a run from Philadelphia to Atlantic City and return on July 4, 1912. The only testimony adduced in corroboration of Fageol as to the success of that test, is the testimony of Fageol's brother-in-law Kepler, who stated that he first observed the clamps before starting from Philadelphia and that "they were good and tight". During the run and after the trip was completed he made no examination of the clamps other than that of looking at them, but said that *as far as he could see*, they were holding tight. The "fish clamps" were left on the automobile for about a week after the Atlantic City trip and to the best of Kepler's knowledge they held firmly. Kepler, however, neglected to state the nature of his observations and we are left in the dark as to whether he examined the clamps after the car was put in operation.

The "square mouth" hook bolts, covered by all the counts, were used to secure a bumper to a Ford frame and according to Fageol the bolts were severely tested by pulling and jerking the bumper. Fageol admitted that as a result of that test the hooks opened somewhat, and Kepler goes farther and says that the "square mouth" hook bolts opened and worked loose.

[1] The "round" or "eye shaped" hook bolts, included in all counts and made by Oswell, were subjected to the same test as that applied to the "square mouth" bolts and with the same result according to Fageol. He said however that the bolts held all right under ordinary running conditions. Kepler corroborated Fageol only to the extent of saying that "they held all right", but failed to describe the test to which they were subjected. If Kepler witnessed the shop test his testimony cannot be reconciled with that of Fageol, and if he witnessed the running test his statement furnishes no information as to the nature of his observations or of his opportunity for making them factors necessary for the determination of the weight to be given to his testimony. Oswell's statement as to the result of the tests was based on what Fageol told him and are therefore of no corroborative value. Moreover, tests by pulling and jerking the bumper can hardly be accepted as subjecting the bolts to the strains and stresses which would be imposed by running the car over the inequalities of the average road. True enough, the "round" or "eye shaped bolts" were attached to a Maxwell car and subjected to the test of a one day's drive and to the test of running the car against a pole. Fageol testified that the tests made on the Maxwell car were satisfactory, but his declarations on that subject were not corroborated inasmuch as the witnesses brought forward for that purpose testified to nothing more than statements made by him to them.

[2, 3] We are of the opinion that the evidence in behalf of Fageol was insufficient to establish an actual reduction to practice and that view finds confirmation in the fact that Fageol admits that he did not consider the devices far enough developed in 1912 to file an application for a patent. Fageol patented inventions for bumpers in 1912 and had a license arrangement with the Hartford Company for their manufacture and apparently took no interest whatever in the hook bolts from 1912 until after he saw the Lyon hook bolts in 1917. His long delay must be attributed to some other cause than lack of means. Indeed, he frankly admitted that at any time from 1912 to 1917 he could have applied for a patent had he desired to do so.

The Examiner of Interferences, the Examiners in Chief and the First Assistant Commissioner were agreed as to their findings of fact and the award of priority to Lyon. We find nothing in the record which would justify us in reaching a different conclusion as to the facts or the award and the decision appealed from is therefore affirmed.

PATENT SUITS.

[Notices under section 4921, Revised Statutes, as amended February 18, 1922.]

669,012, J. Kennedy, Blast furnaces, suit filed Feb. 26, 1918, D. C., W. D. N. Y., Doc. B. 226, *J. Kennedy* v. *Donner Steel Co.* Discontinued.

836,386, J. W. Keegan, Sewage-disposal apparatus, suit filed Sept. 11, 1922, D. C., W. D. N. Y., Doc. C–418, *Onepiece Bifocal Lens Co.* v. *H. J. Stead* (J. H. Stead Optical Co.) Discontinued.

958,478, W. E. Davey, Process of reinforcing trees, suit filed July 25, 1923, D. C., S. D. N. Y., Doc. E 27/40, *The Davey Tree Expert Co.* v. *A. W. Mulally.* Consent decree adjudging infringement and granting injunction restraining defendant. Account of profits, damages, and costs waived. Filed Aug. 11, 1923. Same, suit filed June 25, 1923, D. C., S. D. N. Y., Doc. E 27/41, *The Davey Tree Expert Co.* v. *P. R. Ruggles.* Consent decree adjudging infringement and granting injunction restraining defendant. Account of profits, damages, and costs waived. Filed Aug. 16, 1923. Same, suit filed July 25, 1923, D. C., S. D. N. Y., Doc. E 27/42, *The Davey Tree Expert Co.* v. *F. J. Stubing (Inter State Tree Treating Co.).* Consent decree adjudging infringement and granting injunction restraining defendant. Account of profits, damages, and costs waived. Filed Aug. 8, 1923. Same, suit filed Aug. 11, 1923, D. C., W. D. N. Y., Doc. C 476, *The Davey Tree Expert Co.* v. *H. H. Elbers.*

990,210, B. R. Myers, Casing for springs; 1,135,186, A. N. Jeavons, Casing for vehicle springs, suit filed Aug. 21, 1923, D. C., W. D. N. Y., Doc. C–479, *A. N. Jeavons* v. *The Houdaille Co.*

1,011,484, Perkins & Double, Method and means for cementing oil wells; 1,369,891, E. P. Halliburton, same, perpetual injunction granted, costs taxed to defendants, D. C., W. D. Okla., *E. P. Halliburton et al.* v. *D. Burrus et al.*

1,021,855, J. Weigel, Ensilage harvester; 1,121,998, C. C. Gray, same; 1,161,252, Ronning & Ronning, same, suit filed June 26, 1923, D. C., D. Minn. (4 Div.), Doc. 283, *Ronning Machinery Co. et al.* v. *P. Haley et al.*

1,121,998. (See 1,021,855.)

1,135,186. (See 990,210.)

1,149,580, Hofmann & Gottlob, Caoutchouc substance and vulcanization product thereof, suit filed Aug. 6, 1923, D. C., S. D. N. Y., Doc. E 27/72, *The Grasselli Chemical Co.* v. *National Aniline & Chemical Co., Inc.*

1,161,252. (See 1,021,855.)

1,186,856, 1,279,471, E. A. Sperry, Gyroscopic apparatus; 1,242,065, same, Ship's gyroscopic compass sets; 1,255,480, same, Gyroscopic navigation apparatus; 1,296,439, same, Multiple-turret target indicators; 1,300,890, same, navigation instruments; 1,403,062, same, Correction device for repeater compasses; 1,330,501, H. L. Tanner, Damping means for gyroscopic compasses; 1,378,296, same, Electrical distribution systems for gyroscopic compasses, suit filed July 27, 1923, D. C., E. D. N. Y., Doc. 1301, *The Sperry Gyroscopic Co.* v. *Arma Engineering Co., Inc.*

1,227,660, J. H. Rand, Card indexes; 1,227,662, 1,227,663, 1,227,664, same, Index devices, suit filed Aug. 4, 1923, D. C., N. D. Ga., Doc. 243, *J. H. Rand* v. *Southern Bell Telephone & Telegraph Co.*

1,227,662. (See 1,227,660.)

1,227,663. (See 1,227,660.)

1,227,664. (See 1,227,660.)

1,242,065. (See 1,186,856.)

1,247,335, H. W. Russ, Wood-heel-turning machine, suit filed Aug. 3, 1923, D. C., D. Mass., Doc. E 1839, *United Shoe Machinery Corp.* v. *New England Wood Heel Co.*

1,255,480. (See 1,186,856.)

1,271,006, A. S. Becker, Process for printing and transferring decalcomanias to china, metal, wood, etc., suits filed Aug. 4, 1923, D. C., S. D. Ohio, Doc. E 319, *The Palm Bros. Co.* v. *Palm, Fechteler & Co.* Same, Doc. E 320, *The Palm Bros. Co.* v. *The Meyercord Co., Inc.*

1,279,471. (See 1,186,856.)

1,296,439. (See 1,186,856.)

1,300,890. (See 1,186,856.)

1,329,517, R. B. Fageol, Bumpers for motor vehicles; 1,427,275, same, Automobile bumpers, suit filed Aug. 6, 1923, D. C., W. D. Mich. (So. Div.), Doc. 1922, *Automatic Products Corp. et al.* v. *Wolverine Bumper Specialty Co.*

1,330,304, J. H. Cope, Spring pull-backs for haystacks; 1,421,175, Re. 15,658, same, Haystackers, suit filed Aug. 15, 1923, D. C., D. Colo., Doc. 7582, *The Windsor Mfg. Co.* v. *The International Harvester Co. of America.*

1,330,501. (See 1,186,856.)

1,369,891. (See 1,011,484.)

1,378,296. (See 1,186,856.)

1,403,062. (See 1,186,856.)

1,421,175. (See 1,330,304.)

1,427,275. (See 1,329,517.)

Re. 15,658. (See 1,330,304.)

ADVERSE DECISIONS IN INTERFERENCE.

In interferences involving the indicated claims of the following patents final decisions have been rendered that the respective patentees were not the first inventors with respect to the claims listed:

Design Pat. 61,749, H. A. Cowles, Toy house, decided August 1, 1923, single claim.

Pat. 1,317,868, C. Ellis, Process of making derivatives of petroleum hydrocarbons, decided July 30, 1923, claims 2, 3, 4, 5, 9, 11, 13, 15, and 22.

TRADE-MARKS

OFFICIAL GAZETTE, SEPTEMBER 11, 1923.

[VOL. 314. No. 2.]

The following trade-marks are published in compliance with section 6 of the act of February 20, 1905, as amended March 2, 1907. Notice of opposition must be filed within thirty days of this publication.

Marks applied for "under the ten-year proviso" are registrable under the provision in clause (b) of section 5 of said act as amended February 18, 1911.

As provided by section 14 of said act, a fee of ten dollars must accompany each notice of opposition.

Ser. No. 117,254. (CLASS 3. BAGGAGE, HORSE EQUIPMENTS, PORTFOLIOS, AND POCKETBOOKS.) FREDERICK E. SEXAUER, doing business as Frederick E. Sexauer and Company, Brooklyn, N. Y. Filed Apr. 7, 1919.



Particular description of goods.—Fancy Leather Goods—Namely, Traveling Bags, Boston Bags, Shopping Bags, Cases for Travelers' Sets or Kits, Suitcases, Brief Cases, Ladies' Hand Bags, Wallets, Pocketbooks, Cardcases, Portfolios, Bill Folds, Purses, Hat Cases, Leather Trunks, and Travelers' Sets Consisting of Leather Cases into Which are Fitted Any Article Useful for Traveling Purposes, for Example Brushes, Combs, Mirrors, Buttonhooks, and Manicuring Articles and the Like.

Claims use since Mar. 21, 1919.

Ser. No. 123,798. (CLASS 37. PAPER AND STATIONERY.) JOSEPH DIXON CRUCIBLE COMPANY, Jersey City, N. J. Filed Oct. 15, 1919.



Applicant disclaims the representation of the pencil apart from the mark as shown.

Particular description of goods.—Pencils.

Claims use since 1905.

Ser. No. 125,112. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) LEON ISRAEL & BROS., New York, N. Y. Filed Nov. 20, 1919.



Particular description of goods.—Coffee and Tea.

Claims use since Nov. 1, 1919.

Ser. No. 149,858. (CLASS 19. VEHICLES, NOT INCLUDING ENGINES.) MOTOVISOR COMPANY, St. Paul, Minn. Filed June 30, 1921.

MOTOVISOR

Particular description of goods.—Motor-Vehicle Windshield Shades.

Claims use since about Feb. 15, 1921.

Ser. No. 150,311. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) DUNLEVY PACKING COMPANY, Pittsburgh, Pa., assignor to Dunlevy-Franklin Company, a Corporation of Pennsylvania. Filed July 13, 1921.

WHITE LILY



The trade-mark consists of the words "White Lily" in combination with a representation of a cluster of calla flowers and leaves.

Particular description of goods.—Butter, Oleomargarine, Eggs in the Shell, Lard; Fresh, Cooked, Cured, Dried, Salted, Smoked, and Preserved Bovine and Swinish Meats and Meat Products.

Claims use since 1891.

Ser. No. 156,017. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) EDWIN I. POWER, Solano, Calif. Filed Nov. 28, 1921.



No claim made to the words "Vacaville, California" apart from the mark shown in the drawing. My mark consists of the word symbol "The Nut Tree." On the picture appear the words "The Nut Tree" in plain letters.

Particular description of goods.—Fruits, Deciduous and Dried; and Nuts, Edible.

Claims use since July 5, 1921.

Ser. No. 156,331. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) CHARLES G. LUTHER, doing business as Luthers Pharmacy, Beaufort, S. C. Filed Dec. 6, 1921.



Particular description of goods.—Preparations for the Relief of Itching, Inflammation and Irritations of the Skin, Biliousness, Constipation, Headache, Dizziness, Malaria, Bilious Liver, Rheumatism, Dyspepsia, Whooping Cough, Spasmodic Cough, Colds, Sore Throat and Lungs, Bronchial and Laryngeal Troubles, Chill and Fever Tonic, Laxative Tonic, Nerve Tonic, and Castor Oil.

Claims use since May 1, 1921.

Ser. No. 156,672. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) THE F. S. AINSA COMPANY, INC., El Paso, Tex. Filed Dec. 14, 1921.

AINSA'S COFFEE POT

Particular description of goods.—Coffee.

Claims use since April, 1921.

Ser. No. 157,625. (CLASS 46. FOODS AND INGREDIENTS OF GOODS.) NESTLE & ANGLO-SWISS CONDENSED MILK CO., Cham and Vevey, Switzerland. Filed Jan. 7, 1922.

CONDENSED MILK
MILKMAID BRAND



No trade-mark rights claimed in the words "Condensed Milk" or the representation of the medals or in the reading matter descriptive of the medals apart from the other features shown in the drawing. The lining on drawing is for shading purposes only.

Particular description of goods.—Condensed Milk.

Claims use since about January, 1901.

Ser. No. 159,409. (CLASS 38. PRINTS AND PUBLICATIONS.) THE CLEVELAND SHOPPING NEWS COMPANY, Cleveland, Ohio. Filed Feb. 16, 1922.

SHOPPING NEWS

Particular description of goods.—Newspaper.

Claims use since Oct. 22, 1921.

Ser. No. 159,466. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) THOMAS F. GALLAGHER, doing business as Gallagher Bros., Chicago, Ill. Filed Feb. 17, 1922.



Particular description of goods.—Butter.

Claims use since Mar. 1, 1900.

Ser. No. 159,870. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) HALF MOON FRUIT & PRODUCE CO., San Francisco, Calif. Filed Feb. 27, 1922.

VALLEY KING

Particular description of goods.—Fresh Cantaloupes, Cassaba, and Fresh Vegetables.

Claims use since May, 1921.

Ser. No. 160,483. (CLASS 39. CLOTHING.) L. BAMBERGER & CO., Newark, N. J. Filed Mar. 10, 1922.

Heatherspun

Particular description of goods.—Women's Suits.

Claims use since January, 1920.

Ser. No. 160,915. (CLASS 16. PAINTS AND PAINTERS' MATERIALS.) ACME WHITE LEAD & COLOR WORKS, Hamtramck, Mich. Filed Mar. 20, 1922.



No claim is made to the exclusive use of the words "Paints," "Enamels," "Stains," "Varnishes," "The," and "Kind" apart from the mark shown on the drawing. The trade-mark consists of the words "Acme Quality" appearing upon a flag-shaped field in red, partly enveloped by a circular field in black, the rim of the black being fringed by a narrow red circle, the words "The" and "Kind" appearing in rectangular frameworks in red at either side of the flag, and the words "Paints, Enamels, Stains, Varnishes" appearing upon the black circular field, all of the above being surrounded by a wide circular field in yellow, the yellow field being edged with narrow outer concentric circles of red and black, respectively.

Particular description of goods.—Paints of All Kinds, Paint and Varnish Enamels, Stains, Varnishes, Paint and Varnish Removers, Flat and Gloss Finishes, White Lead Dry, White Lead in Oil, Red Lead Dry, Red Lead in Oil, Liquid Slating, Colors in Oil, Distemper Colors, Japan Colors, Graining Colors, Blending Colors, Ground Colors, Color Varnishes, Zinc White, Turpentine, Linseed Oil, Driers, Pigments; Fillers for Repairing Surfaces for Painting, Enameling, or Varnishing; Graining Compound; Rubbing, Polishing, and Finishing Oils; Polishes for Varnished, Enameled, and Lacquered Surfaces; Putty, Prepared Shellac, Dry Colors, Calcimine, Reducing Oils, Floor Waxes, Painters' Waxes; Finishing, Preserving, and Coating Waxes; Graphite Compound, Shingle Stain, Dampproofing Materials; Lacquer or Varnish Dressings for Leather, Rubber, or Cloth or for Compositions Used as Substitutes Therefor; Coal-Tar Paint, Sheep-Marking Liquid, Shellac Substitute, Furniture Polish, Primers, Tinted Paste, Lacquer, Ochers in Oil, Paint Oils, Putty Compound, Litharge, Whiting, and Blending or Mottling Liquid.

Claims use since Nov. 21, 1906.

Ser. No. 161,040. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) DUDLEY GUM COMPANY, Nashville, Tenn. Filed Mar. 22, 1922.

Florida Fruit

Particular description of goods.—Chewing Gum.

Claims use since Jan. 1, 1922.

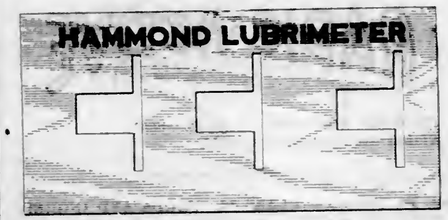
Ser. No. 161,415. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) S. T. EDEL'S SONS, Baltimore, Md. Filed Mar. 29, 1922.

EDE'SON

Particular description of goods.—Butter.

Claims use since Feb. 20, 1922.

Ser. No. 162,695. (CLASS 26. MEASURING AND SCIENTIFIC APPLIANCES.) RADIO ENGINEERING COMPANY OF NEW YORK, INC., Gloucester, Mass. Filed Apr. 21, 1922.



No claim is made for the representation of the face plate or dial plate apart from the mark shown in the drawing.

Particular description of goods.—Measuring Appliances—Namely, Lubrication Meters.

Claims use since on or about Feb. 20, 1922.

Ser. No. 163,571. (CLASS 38. PRINTS AND PUBLICATIONS.) THE BEANPOT, Boston, Mass. Filed May 9, 1922.

The Beanpot

Particular description of goods.—Periodically-Issued Magazine.

Claims use since Apr. 28, 1921.

Ser. No. 163,599. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) SHAPIRO CANDY MFG. CO. INC., Brooklyn, N. Y. Filed May 9, 1922.

EMERSON

Particular description of goods.—Chocolate Candies.
Claims use since 1919.

Ser. No. 163,748. (CLASS 32. FURNITURE AND UPHOLSTERY.) THE FAULTLESS IRON WORKS, St. Charles, Ill. Filed May 12, 1922.

WHITE HOUSE

Particular description of goods.—Domestic Furniture Comprising China Cabinets, Food Cabinets, Medicine Cabinets, Broom Cabinets, Kitchen Cabinets, Dressers, Cupboards, and Tables.
Claims use since about Jan. 1, 1913.

Ser. No. 164,060. (CLASS 4. ABRASIVE, DETERGENT, AND POLISHING MATERIALS.) ALBERT MALSIN, New York, N. Y. Filed May 18, 1922.

RADIO-ACTIVE

Particular description of goods.—Soap.
Claims use since May 1, 1922.

Ser. No. 164,449. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) PANAYIOTIS D. PANOULIAS, doing business as The American Chocolate Almond Co., Jersey City, N. J. Filed May 24, 1922.

PANKOKA

Particular description of goods.—A Nonconstipating Health Chocolate Food Product.
Claims use since Jan. 10, 1922.

Ser. No. 165,054. (CLASS 40. FANCY GOODS, FURNISHINGS, AND NOTIONS.) HOWARD T. APPLEGATE, Montclair, N. J. Filed June 6, 1922.

HOLZEM

Particular description of goods.—Flexible Shoulder Straps for Use on Women's Waists and Dresses for Supporting the Shoulder Straps of Undergarments.
Claims use since May 15, 1922.

Ser. No. 166,173. (CLASS 39. CLOTHING.) CHESTER KNITTING MILLS, St. Louis, Mo. Filed June 28, 1922.

NEWS BOY

Trade-mark consists of the word "Newsboy."
Particular description of goods.—Hosiery.
Claims use since April, 1905.

Ser. No. 166,369. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) HOLSTEIN HARVEY, INC., Wilmington, Del. Filed July 1, 1922.

HH INC

Particular description of goods.—Canned Fruits, Canned Vegetables, Condiments, Rice, Spice, and Flavoring Extracts for Food.
Claims use since Apr. 13, 1922.

Ser. No. 166,400. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) THE OWL DRUG COMPANY, San Francisco, Calif. Filed July 1, 1922.



Particular description of goods.—Birdseed, Flavoring Extract for Food Purposes, Fish Food, Olive Oil, Turmeric, Rock Candy, Horehound Drops, and Cottonseed Oil and Sunflower Seed.
Claims use since 1900.

Ser. No. 166,412. (CLASS 38. PRINTS AND PUBLICATIONS.) THE TRIBUNE COMPANY, Chicago, Ill. Filed July 1, 1922.



Trade-mark "Fashion's Blue Book."
Particular description of goods.—Weekly Magazine Supplement Inclosed in a Newspaper.
Claims use since Jan. 17, 1922.

Ser. No. 166,571. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) FRANSISCUS JOSEPHUS MARIA RADEMAKER, doing business as Frank Rademaker, Rotterdam, Netherlands. Filed July 7, 1922.



No claim is made to the words "Wetting gedeponeerd merk van de echte, Nur aecht mit gesetzl. Geschützte namenszug, Eischt de handteekening, Pas veritable sans cette signature, Rotterdam, Holland, None genuine without this registered trade-mark and signature" and "Hopjes" apart from the mark as shown.
Particular description of goods.—Candy.
Claims use since July 1, 1912.

Ser. No. 166,638. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) BALDWIN TOOL WORKS, Parkersburg, W. Va. Filed July 10, 1922.

BALDWIN'S MONONGAH FEATHERWEIGHT

Particular description of goods.—Shovels, Spades, Scoops, Posthole Diggers, and Wooden Handles.
Claims use since 1905.

Ser. No. 166,967. (CLASS 4. ABRASIVE, DETERGENT, AND POLISHING MATERIALS.) WARREN SOAP MANUFACTURING COMPANY, Boston, Mass. Filed July 15, 1922.



The mark comprises a copy of a fancy picture, not that of any individual.
Particular description of goods.—Washing or Cleaning Powder.
Claims use since June 23, 1922.

Ser. No. 166,976. (CLASS 39. CLOTHING.) BURSTEIN-FRIEDLAND & CO., Newark, N. J. Filed July 17, 1922.

THE REAL BOY

The word "Brand" is hereby disclaimed apart from the mark shown in the drawing.
Particular description of goods.—Boys' Blouses and Shirts.
Claims use since January, 1920.

Ser. No. 167,086. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) HENRY LITTLE & SONS, doing business as The Eagle Nest Hatchery, Upper Sandusky, Ohio. Filed July 19, 1922.

The Eagle Nest Hatchery



Home of the Feathered Baby

No claim is made to the words "The Home of the Feathered Baby."
Particular description of goods.—Live Chicks.
Claims use since Jan. 1, 1921.

Ser. No. 167,333. (CLASS 39. CLOTHING.) SOLOMON MFG. CO., St. Louis, Mo. Filed July 24, 1922.

KUMFY
Skating
Playing
Outing
Riding
Tobogganing
KNICKERETTE

No exclusive claim being made to the separate or individual words "Skating, Playing, Outing, Riding, Tobogganing."

Particular description of goods.—Women's Wearing Apparel Commonly Known as Knickerbockers.

Claims use since July 1, 1922.

Ser. No. 167,557. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) ANNA M. DELMAS, North Plainfield, N. J. Filed July 29, 1922.

HUNGER-KURE

Particular description of goods.—Eatable Tablets or Cakes Composed of Kernels of Seed, Nuts, and Fruit.

Claims use since May 1, 1922.

Ser. No. 168,402. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) DOUGLAS & BURNS, LTD., Des Moines, Iowa. Filed Aug. 18, 1922.

CROWNED WITH WEALTH OF VITAMINES
VITO
The Beverage Delicious

Applicant hereby disclaims the exclusive use of the words "Crowned with the Wealth of Vitamines" and "The Beverage Delicious" shown on the drawing except as used in association with the rest of the mark.

Particular description of goods.—An Ingredient Used in Food Beverages or Cooking, High in Vitamine and Food Properties.

Claims use since Apr. 24, 1922.

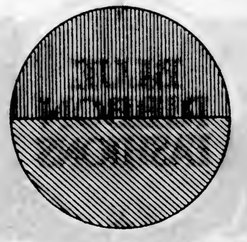
Ser. No. 168,483. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) NASH COFFEE COMPANY, Minneapolis, Minn. Filed Aug. 19, 1922.

HARVEST HOUR

Particular description of goods.—Coffee.

Claims use since July 1, 1921.

Ser. No. 168,533. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) THE KOKOMO GROCERS DAIRY PRODUCTS COMPANY, Kokomo, Ind. Filed Aug. 21, 1922.



The shade lines in the drawing are indicative of the colors red and green.

Particular description of goods.—Bottled Milk.

Claims use since May, 1915.

Ser. No. 168,606. (CLASS 16. PAINTS AND PAINTERS' MATERIALS.) GOLD MEDAL WATER-PROOFING CO., Oakland, Calif. Filed Aug. 23, 1922.

BITULAST

Particular description of goods.—Waterproof Enamel or Solution in the Nature of a Paint.

Claims use since 1912.

Ser. No. 168,963. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) MEINELL E. FOWLER, Chicago, Ill. Filed Sept. 1, 1922.

Cherry Valley

Particular description of goods.—Eggs.

Claims use since January, 1912.

Ser. No. 169,210. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) ALB. & E. HENKELS, INC., New York, N. Y. Filed Sept. 8, 1922.

"111"

Particular description of goods.—Laces and Jacquard Figured Upholstery Goods, Such as Doilies, Curtains, Table and Bed Sets.

Claims use since Dec. 1, 1921.

Ser. No. 169,211. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) ALB. & E. HENKELS, INC., New York, N. Y. Filed Sept. 8, 1922.

"ONE-ELEVEN"

Particular description of goods.—Laces and Jacquard Figured Upholstery Goods, Such as Doilies, Curtains, Table and Bed Sets.

Claims use since Dec. 1, 1921.

Ser. No. 169,545. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) A. GOODMAN & SONS, INC., New York, N. Y. Filed Sept. 16, 1922.

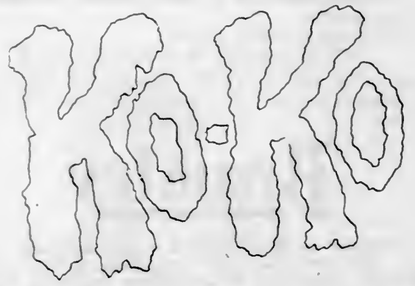
GOODMAN'S
100% WHOLE WHEAT
MATZOTHS

No claim is made to the words "100% Whole Wheat Matzoth" apart from the mark as shown.

Particular description of goods.—Alimentary Paste Products.

Claims use since Aug. 26, 1922.

Ser. No. 170,737. (CLASS 37. PAPER AND STATIONERY.) THE WHITAKER PAPER COMPANY, Baltimore, Md., and Cincinnati, Ohio. Filed Oct. 14, 1922.



Particular description of goods.—Wrapping Paper.

Claims use since Sept. 21, 1922.

Ser. No. 170,832. (CLASS 35. BELTING, HOSE, MACHINERY PACKING, AND NONMETALLIC TIRES.) JOHN ORMEROD & SONS LTD., Castleton, England. Filed Oct. 17, 1922.

SQUIRREL
BRAND

No claim is made to the word "Brand" apart from the mark shown.

Particular description of goods.—Leather Belting.

Claims use since Oct. 10, 1908.

Ser. No. 171,411. (CLASS 44. DENTAL, MEDICAL, AND SURGICAL APPLIANCES.) PHILIP C. P. BOOTY, doing business as Innovation Specialties, Chicago, Ill., assignor to Innovation Specialties Co., Inc., Chicago, Ill., a Corporation of Illinois. Filed Oct. 31, 1922.

Innovation

Particular description of goods.—Manicurists' Buffing Implements and Renewal Strips Therefor.

Claims use since Aug. 1, 1922.

Ser. No. 171,452. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) CHARLES C. CUMMINS, Columbus, Ohio. Filed Nov. 1, 1922.

TOOTH INSURANCE

Particular description of goods.—Dentifrice.

Claims use since about July 1, 1922.

Ser. No. 171,726. (CLASS 37. PAPER AND STATIONERY.) CHICAGO PAPER COMPANY, Chicago, Ill. Filed Nov. 8, 1922.

Ermine Coated

Particular description of goods.—Writing Paper, Printing Paper, Ledger Paper, Book Paper, and Bond Paper.

Claims use since June 20, 1912.

Ser. No. 171,728. (CLASS 37. PAPER AND STATIONERY.) CHICAGO PAPER COMPANY, Chicago, Ill. Filed Nov. 8, 1922.

VELKOTE

Particular description of goods.—Writing Paper, Printing Paper, Ledger Paper, Book Paper, and Bond Paper.

Claims use since Mar. 17, 1921.

Ser. No. 171,730. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) DIXON CEREAL AND FEED COMPANY, Dixon, Ill. Filed Nov. 8, 1922.

GROBONE

Particular description of goods.—Hog Food.

Claims use since Aug. 15, 1922.

Ser. No. 171,840. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) GROWERS SERVICE CO., Yucaipa, Calif. Filed Nov. 11, 1922.

G·S·C

Particular description of goods.—Fresh Apples.
Claims use since Aug. 1, 1922.

Ser. No. 172,444. (CLASS 39. CLOTHING.) SAKS & COMPANY, New York, N. Y. Filed Nov. 23, 1922.

BUCKINGHAM

Particular description of goods.—Men's and Boys' Knitted and Textile-Fabric Underwear, Footwear Consisting of Leather Shoes, Neckwear, and Dress and Negligee Shirts.
Claims use since Jan. 1, 1922.

Ser. No. 172,672. (CLASS 16. PAINTS AND PAINTERS' MATERIALS.) THE GLIDDEN COMPANY, Cleveland, Ohio. Filed Nov. 29, 1922.

BOMBAY BLACK

Particular description of goods.—Ready-Mixed Paints and Varnishes.
Claims use since July, 1922.

Ser. No. 172,869. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) E. I. DU PONT DE NEMOURS & COMPANY, Wilmington, Del. Filed Dec. 4, 1922.

DU PONT 商 恒信洋行 標

Reading from right to left in the large oval the Chinese characters signify "American, Merchants," and in the small oval "Always Trust Foreign Firm." No claim is made to these words apart from the trade-mark as far as any descriptive significance is concerned.
Particular description of goods.—Dyestuffs, Dyestuff Intermediates and Chemicals—Namely, Synthetic Indigo Paste, Glauber's Salts, and Sodium Sulphide.
Claims use since Apr. 4, 1922.

Ser. No. 173,277. (CLASS 38. PRINTS AND PUBLICATIONS.) CHARLESTON ELECTRICAL SUPPLY CO., Charleston, W. Va. Filed Dec. 13, 1922.

ELECTROVOX

Particular description of goods.—Printed Publication Issued Monthly.
Claims use since Jan. 1, 1922.

Ser. No. 173,338. (CLASS 39. CLOTHING.) FRANKLIN SIMON & CO. INC., New York, N. Y. Filed Dec. 14, 1922.

Bramley

Particular description of goods.—Men's and Boys' Collars and Cuffs Made Out of Knitted Material, and Women's, Girls', and Misses' Collars and Cuffs Made Out of Knitted Material.
Claims use since April, 1920.

Ser. No. 173,508. (CLASS 37. PAPER AND STATIONERY.) LEVEY PRINTING COMPANY, Indianapolis, Ind. Filed Dec. 18, 1922.

Particular description of goods.—Paper and Paper Sheets of Various Kinds, Adding Machine Paper, Bank-Note Wrappers; Blank Books of Various Kinds, Ruled and Otherwise; Blotters, Card-Index Cards and Files Therefor, Certificates of Stock, Coin Wrappers, Letter-Copy Books, Currency Wrappers, Deposit Tickets, Desk Blotters and Pads, Document Envelopes, Document Files, Drafts, Envelopes, Figuring Tablets, Fountain Pens, Index Books and Tags, Index Partitions, Inkstands, Legal Envelopes, Legal Wrappers, Manifold Paper, Manuscript Covers, Minute Books Especially Ruled and Otherwise, Loose Paper Leaves for Various Purposes, Notebooks, Notes, Receipts, Notices of Protest, Bank Pass Books, Ruling Pens, Steel Pens, Penholders, Penracks, Penwipers, Pencil Clips and Holders; Pencils, Including Lead and Ink Pencils; Pencil Lengtheners, Pencil Sharpeners, Pencil-Point Protectors, Reminders, Desk Calendar Pads, Ruled Paper, Printed Forms of Various Kinds for Saving Systems, Scratch Tablets, Impression Seals, Signature Cards, Erasers, Stylographic Pens, Tabulating Tablets, Toilet Paper, Trade Acceptance Blanks, Typewriter Papers, Arm Rests for Bookkeeping, Autograph Stamps, Rubber Bands, Board Clips, Wire and Metal Paper Clips, Coin Mats, Deposit-Ticket Files, Desk Portfolios, Envelope Moisteners, Envelope Openers, Erasing Shields, Eyelets (Other Than Those Used with Clothing), Paper Fasteners; Filing Devices, Including Arch, Document, Hook, and Stick; Postal Files, Finger Moisteners, Finger Shields, Loose-Leaf Holders, Letter Clips, Impression Stamps, Paper Files, Paper Punches, Paper Weights, Pin Cups and Cushions, Racks for Rubber Stamps, Rubber Coin Mats, Rulers, Signature Stamps, Stamp Boxes, Stamp Racks and Holders, Thumb Tacks, Memorandum Books, and Printed Christmas Cash Club Cards.
Claims use since January, 1915.

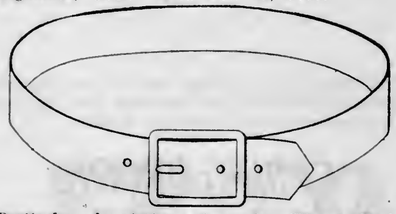
Ser. No. 173,590. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) GEORGE J. BULUBASSIS, New York, N. Y. Filed Dec. 20, 1922.

VIRGINIA DELIGHTS



Particular description of goods.—Sugar-Coated Peanuts.
Claims use since Aug. 14, 1922.

Ser. No. 173,636. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) GOLD BUCKLE ASSOCIATION, East Highlands, Calif. Filed Dec. 21, 1922.



Particular description of goods.—Citrous Fruits—Namely, Oranges, Lemons, and Grapefruit in Their Natural State.
Claims use since Jan. 1, 1902.

Ser. No. 173,637. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) GOLD BUCKLE ASSOCIATION, East Highlands, Calif. Filed Dec. 21, 1922.

BUCKLE

Particular description of goods.—Citrous Fruits—Namely, Oranges, Lemons, and Grapefruit in Their Natural State.
Claims use since Jan. 1, 1902.

Ser. No. 173,638. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) GOLD BUCKLE ASSOCIATION, East Highlands, Calif. Filed Dec. 21, 1922.

BELT

Particular description of goods.—Citrous Fruits—Namely, Oranges, Lemons, and Grapefruit in Their Natural State.
Claims use since Jan. 1, 1902.

Ser. No. 173,639. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) GOLD BUCKLE ASSOCIATION, East Highlands, Calif. Filed Dec. 21, 1922.



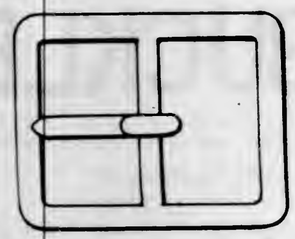
Trade-mark comprises a fanciful picture illustrating a man and a woman riding a horse.
Particular description of goods.—Citrous Fruits—Namely, Oranges, Lemons, and Grapefruit in Their Natural State.
Claims use since Jan. 1, 1902.

Ser. No. 173,640. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) GOLD BUCKLE ASSOCIATION, East Highlands, Calif. Filed Dec. 21, 1922.

LOCHINVAR

Particular description of goods.—Citrous Fruits—Namely, Oranges, Lemons, and Grapefruit in Their Natural State.
Claims use since Jan. 1, 1902.

Ser. No. 173,641. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) GOLD BUCKLE ASSOCIATION, East Highlands, Calif. Filed Dec. 21, 1922.



Particular description of goods.—Citrous Fruits—Namely, Oranges, Lemons, and Grapefruit in Their Natural State.
Claims use since Jan. 1, 1902.

Ser. No. 173,642. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) GOLD BUCKLE ASSOCIATION, East Highlands, Calif. Filed Dec. 21, 1922.

SILVER BUCKLE

Particular description of goods.—Citrous Fruits—Namely, Oranges, Lemons, and Grapefruit in Their Natural State.
Claims use since Jan. 1, 1902.

Ser. No. 173,741. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) DIXIE MILLS, Clarksville, Tenn. Filed Dec. 23, 1922.



Particular description of goods.—Wheat Flour, Graham Flour, Corn Meal, and Wheat Feed.
Claims use since June 20, 1921.

Ser. No. 173,745. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) ETABLISSEMENTS POULENC FRÈRES, Paris, France. Filed Dec. 23, 1922.

STOVARSOL

Particular description of goods.—Acetyl-Amino-Oxy-Phenyl Arsenic Acid.
Claims use since July 23, 1921.

Ser. No. 173,779. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) OAKLEY & CO. INC., New York, N. Y. Filed Dec. 23, 1922.

MA CHERIE

Particular description of goods.—Perfume, Toilet Waters, Talcum Powder, Face Powder, Bath Powder, Bath Salts, Smelling Salts, Lip Sticks, Eyebrow Pencils, Vanishing Cream, Cold Cream, Tooth Powder, Tooth Paste, Hand Lotions, Face Lotions, Hair Tonic, Depilatory Powder, and Deodorizing Cream.
Claims use since January, 1909.

Ser. No. 173,935. (CLASS 39. CLOTHING.) MANFIELD AND SONS, LIMITED, Northampton, England. Filed Dec. 28, 1922.

MANFIELD-HOTSPUR

Particular description of goods.—Football Boots of Leather.
Claims use since June 15, 1921.

Ser. No. 174,184. (CLASS 39. CLOTHING.) MEYER, BACHARACH & FRIEDHEIM, New York, N. Y. Filed Jan. 4, 1923.

Good Form

Particular description of goods.—Neckties.
Claims use since on or about 1910.

Ser. No. 174,262. (CLASS 39. CLOTHING.) BENJAMIN RUBINSKY, doing business as Youngsters Novelty Co., New York, N. Y. Filed Jan. 6, 1923.



Particular description of goods.—Boys' Suits and Girls' Dresses.
Claims use since November, 1922.

Ser. No. 174,272. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) THE WESTERN OHIO CREAMERY CO., Greenville, Ohio. Filed Jan. 6, 1923.

SPRING BROOK

Particular description of goods.—Butter.
Claims use since about the middle of April, 1922.

Ser. No. 174,308. (CLASS 39. CLOTHING.) L. KLEIN, INC., Chicago, Ill. Filed Jan. 8, 1923.



Particular description of goods.—Men's Hats and Men's Dress, Negligee, and Work Shirts.
Claims use since May 1, 1912.

Ser. No. 174,591. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) CHAS. PISNER, doing business as Square Deal Market, Washington, D. C. Filed Jan. 13, 1923.

SQUARE DEAL

Particular description of goods.—Fresh and Smoked Meats—Namely, Steaks, Chops, Cutlets, Sweetbreads, Brains, Liver, Hearts, and Roasts, Sausage, Bacon, and Hams; Live and Dressed Poultry, Fresh Citrous and Deciduous Fruits, and Fresh Vegetables.
Claims use since Dec. 28, 1922.

Ser. No. 174,716. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) THE MILLS BROTHERS COMPANY, doing business as The American Products Company, Cincinnati, Ohio. Filed Jan. 17, 1923.

ZANOL

Particular description of goods.—Cake Icing, Pie Filling, Shredded Coconut, Salad-Dressing Powder, Pudding, Egg Concentrate, Coffee, Tea, Cocoa, Coffee Concentrate, Table Sirup, Prepared Mustard, Peanut Butter, Food Color, Marshmallow Crème, Black Pepper, Ice-Cream Powder, Prepared Pie Crust, Dessert Powder, Prepared Cake Flour, Ginger, Mustard, Allspice, Cinnamon, Nutmeg, and Food-Flavoring Extracts.
Claims use since July, 1908.

Ser. No. 174,729. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) ISAAC J. EPSTEIN, San Francisco, Calif. Filed Jan. 18, 1923.

EP-CO

Particular description of goods.—Medicinal Preparations—Namely, Zinc Stearate, Zinc-Oxide Ointment, Cherry Expectorant, Baby Tolu and Pineapple, Sodium Phosphate, Cascara-Sagrada Extract, Corn Lift Plaster, Glycerin Suppositories, Poison-Oak Cream, Milk of Magnesia, White-Pine Sirup Compound Containing Menthol-ated Eucalyptus, Sirup White-Pine Compound Containing Tar, Eucalyptus Ointment, Soda-Mint Tablets, Compound Sirup Eucalyptus with Muriate of Ammonia, Tooth Powder, and Neutral Hydrocarbon Oil.
Claims use since Aug. 1, 1922.

Ser. No. 174,816. (CLASS 17. TOBACCO PRODUCTS.) WM. BOOCHIM & SONS, Baltimore, Md. Filed Jan. 20, 1923.

Nacirema

Particular description of goods.—Cigars and Tobaccos for Personal Consumption.
Claims use since Sept. 24, 1919.

Ser. No. 174,826. (CLASS 16. PAINTS AND PAINTERS' MATERIALS.) ENTERPRISE PAINT MFG. CO., Chicago, Ill. Filed Jan. 20, 1923.

PERFECTO

Particular description of goods.—Dry, Paste, and Ready-Mixed Paints, Varnishes, Paint Enamels, Ochers, Colors in Oil, and Oil Stains.
Claims use since 1893.

Ser. No. 174,919. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) THE QUAKER OATS COMPANY, Chicago, Ill. Filed Jan. 22, 1923.



Particular description of goods.—Wheat Flour, Rolled Oats, Corn Meal, and Farinaceous Feeds.
Claims use since 1880.

Ser. No. 175,046. (CLASS 39. CLOTHING.) WIMELBACHER & RICE, New York, N. Y. Filed Jan. 24, 1923.

DoublePlex

Trade-mark consists of the words "Double-Plex."
Particular description of goods.—Fabric Gloves.
Claims use since Jan. 19, 1918.

Ser. No. 175,179. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) AMERICAN BAKERY COMPANY, St. Louis, Mo. Filed Jan. 27, 1923.

NUTR-O-LIFE

Particular description of goods.—Bread.
Claims use since Jan. 17, 1923.

Ser. No. 175,395. (CLASS 26. MEASURING AND SCIENTIFIC APPLIANCES.) THE HONEYWELL HEATING SPECIALTIES COMPANY, Wabash, Ind. Filed Feb. 1, 1923.

AQUASTAT

Particular description of goods.—Temperature and Draft Regulating and Controlling Instruments in the Form of Thermostats.
Claims use since Sept. 1, 1920.

Ser. No. 175,446. (CLASS 39. CLOTHING.) CYRUS M. WALKER, Kansas City, Mo. Filed Feb. 2, 1923.

NUBACK

Particular description of goods.—Men's Textile-Fabric Union Suit Underwear.
Claims use since Jan. 19, 1923.

Ser. No. 175,504. (CLASS 4. ABRASIVE, DETERGENT, AND POLISHING MATERIALS.) MACLEAN DRUG COMPANY, Chicago, Ill. Filed Feb. 3, 1923.

MacLean's

Particular description of goods.—Shoe Polish, Shaving Cream for Softening the Beard, Shaving Stick, Soap in Bars and Liquid Form, Fabric Cleaners, Metal Polish, Leather Dressing; Cleaning Preparation for Wood, Glass, and Stone Surfaces; Hand-Cleaning Preparations, Cleaning Pads for Removing Spots from Cloth, Soap Flakes and Powders, Neat's-Foot Oil, Fuller's Earth for Detergent Purposes, Whiting for Footwear.
Claims use since November, 1918.

Ser. No. 175,708. (CLASS 15. OILS AND GREASES.) BROGDEX COMPANY, Winter Haven, Fla. Filed Feb. 8, 1923.

BROGDEX

Particular description of goods.—Coating Material Having Paraffin as Its Base.
Claims use since on or about Oct. 1, 1921.

Ser. No. 175,751. (CLASS 16. PAINTS AND PAINTERS' MATERIALS.) WINCHESTER REPEATING ARMS CO., New Haven, Conn. Filed Feb. 8, 1923.

RED W BRAND

No claim is made to the word "Brand" apart from the mark shown, the shading indicating red.
Particular description of goods.—Soft-Tone Flat Wall Paint, Master-Painters' Colors in Oil, Zinc Paste Ground in Bleached Linseed Oil, Lawn and Porch Furniture Paint, Barn and Roof Paint, Automobile Enamel, American White Paste Paint, Buggy Paint, Concrete Coating Exterior, House Paint, Mill White Gloss, Wagon and Implement Paint, Mill White Flat, Bath Enamel, Liquid Wood Filler, Pure Colors in Oil, White Enamel, Liquid Blackboard Slating, Decorative Enamel, Gold Paint, Screen Paint, Graphite Paint, Enamel First Coater, Paste Wood Filler, Pure White Shellac, Superior Bronzing Liquid, Banana Bronzing Liquid, Clear Liquid Wood Filler, Varnish Stain, Aluminum Paint, Wall Size, Floor Paint, Oil Wood Stain, Porch and Deck Paint, Shingle Stain, Strictly Pure Putty, Glaziers' Putty, Crack and Crevice Filler, Zinc Paste Ground in Damar Varnish, Prepared Floor Wax, Auto and Carriage Varnish, Wearing Body Varnish, Hard Drying Body Varnish, Body Finishing Varnish, Elastic Gear Varnish, Heavy Gear #1 Varnish, One Coat Carriage Varnish, Extra Coach Varnish, Medium Rubbing Varnish, Quick Rubbing Varnish, Coach Japan Varnish, Architectural Outside Spar Varnish, Inside Spar Varnish, Hard Light Cabinet Varnish, All Around Varnish, Light Hard Oil Finish Varnish, Hard Drying Seat Varnish, Durable Interior Varnish, Architectural Flat Finish Varnish, Dark Hard Oil Finish Varnish, Dull Gloss Floor Varnish, Floor Varnish, Linoleum Varnish, Dammar Varnish, #1 Coach Varnish, Copal Varnish, Furniture Varnish, White Drying Japan Varnish, Pale Drying Japan Varnish, and Painters' Japan Varnish.
Claims use since Jan. 29, 1923.

Ser. No. 175,872. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) DAVID KLEIN, doing business as St. James Market Samuel Klein & Son, Brooklyn, N. Y. Filed Feb. 10, 1923.



Particular description of goods.—Dressed Meats, Poultry, Game, Sea Food, Fresh and Canned Fruits and Vegetables.
Claims use since 1900.

Ser. No. 175,996. (CLASS 40. FANCY GOODS, FURNISHINGS, AND NOTIONS.) THE WILLIAM PRYM COMPANY, LIMITED, Stolberg, Germany. Filed Feb. 13, 1923.



All wording appearing on the drawing is disclaimed with the exception of the word "Lily."
Particular description of goods.—Common Pins and Hand Sewing Needles.
Claims use since June, 1922.

Ser. No. 176,341. (CLASS 41. CANES, PARASOLS, AND UMBRELLAS.) JACOB GROSSMAN, doing business as Giant Umbrella Co., New York, N. Y. Filed Feb. 20, 1923.



No claim is made to the exclusive use of the representation of an umbrella apart from the mark shown in the drawing.
Particular description of goods.—Umbrellas and Parasols.
Claims use since 1900.

Ser. No. 176,491. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) C. W. MCMORRAN, San Francisco, Calif. Filed Feb. 23, 1923.

INLAND CHOWDER

Applicant makes no claim to the exclusive right to use the word "Chowder" apart from the mark shown in the drawing, this word being disclaimed apart from the other features shown without prejudice to applicant's common-law right therein.
Particular description of goods.—Chowder Made From Combination of Various Meats and Vegetables.
Claims use since Oct. 27, 1919.

Ser. No. 176,591. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) THE ASTORIA FLOURING MILLS COMPANY, Portland, Oreg. Filed Feb. 26, 1923.

ANCIENT SAURIAN BRAND



The word "Brand" does not form a part of the registration sought apart from the mark shown in the drawing.
Particular description of goods.—Wheat Flour.
Claims use since Dec. 15, 1922.

Ser. No. 176,596. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) E. A. BEAR & Co., Chicago, Ill. Filed Feb. 26, 1923.

YUM-YUM

Particular description of goods.—Food Mixture Used for Making Layer Cakes, Cup Cakes, Loaf Cakes, Cookies, and Frosted Creams.
Claims use since Jan. 18, 1923.

Ser. No. 176,597. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) THE BIXLER BAKING COMPANY, Youngstown, Ohio. Filed Feb. 26, 1923.

BIXLER'S HONEYKRISP

Particular description of goods.—Bread.
Claims use since Oct. 24, 1922.

Ser. No. 176,612. (CLASS 50. MERCHANDISE NOT OTHERWISE CLASSIFIED.) FIBER-GLASS FOOD COVER COMPANY, Chicago, Ill. Filed Feb. 26, 1923.

FIBER-GLASS

Particular description of goods.—Transparent Food Covers.
Claims use since Jan. 1, 1917.

Ser. No. 176,639. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) JABURG BROTHERS, INC., New York, N. Y. Filed Feb. 26, 1923.

PUFFRITE

Particular description of goods.—Oleomargarine.
Claims use since Nov. 3, 1921.

Ser. No. 176,642. (CLASS 4. ABRASIVE, DETERGENT, AND POLISHING MATERIALS.) NEUTRAL SOAP CO., Chicago, Ill. Filed Feb. 26, 1923.

JANITORS FRIEND

Particular description of goods.—Washing Cleanser.
Claims use since June 25, 1922.

Ser. No. 176,648. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) PEDIGREED PRODUCTS CORPORATION, Elmira, N. Y. Filed Feb. 26, 1923.

Vacuo-Packt

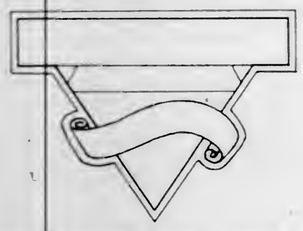
Particular description of goods.—Nuts in Their Natural State, Salted Nuts, Granulated Nuts, and Peanut Butter.
Claims use since Nov. 16, 1922.

Ser. No. 176,926. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) TAYLOR & SLEDD, INC., Richmond, Va. Filed Mar. 3, 1923.

TIDEWATER

Particular description of goods.—Canned Fish, Canned Vegetables, Canned Fruits, Jams and Jellies, Apple Butter, Peanut Butter, Alimentary Paste Products, Condiments.
Claims use since February, 1922.

Ser. No. 176,927. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) TAYLOR & SLEDD, INC., Richmond, Va. Filed Mar. 3, 1923.



Particular description of goods.—Canned Fish.
Claims use since February, 1922.

Ser. No. 176,931. (CLASS 39. CLOTHING.) BEN. WIENER & CO., New York, N. Y. Filed Mar. 3, 1923.

PENROD

Particular description of goods.—Clothing for Boys—viz, Hats, Caps; Rubber, Leather, or Fabric or Combinations of the Same Shoes; Shirts, Sweaters, Knitted and Textile Underwear in One and Two Piece Garments, Hosiery, Leather and Fabric Gloves, Blouses, Pants, Collars, and Vests.
Claims use since Mar. 12, 1919.

Ser. No. 177,049. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) C. PERCEVAL, New York, N. Y. Filed Mar. 6, 1923.

HILLSDALE FARM

Trade-mark consists of the words "Hillsdale Farm."
Particular description of goods.—Capers, Vinegar, Olives, Pickles, Lard, Horse-Radish, Mustard, Philadelphia Scrapple, Mincemeat, Chili Sauce, Catchup, Bacon, Pickled Pigs' Feet and Pickled Lambs' Tongues, Ham, Sauerkraut, Sausage, Sausage Meats, and Sausage Cakes and Pâtés.
Claims use since about 1910.

177,065. (CLASS 37. PAPER AND STATIONERY.) THE BECK DUPLICATOR COMPANY, New York, N. Y. Filed Mar. 7, 1923.

STAR



BRAND

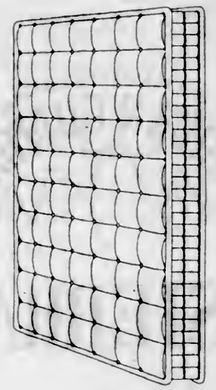
No claim is made to the exclusive use of the word "Brand" apart from the mark shown.
Particular description of goods.—Duplicating Rolls Comprising a Base or Foundation and a Layer of Duplicating Material, as Gelatin.
Claims use since about Aug. 30, 1922.

Ser. No. 177,080. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) ERIDANEA COMPANY, INC., Brooklyn, N. Y. Filed Mar. 7, 1923.



The drawing is conventionally lined to indicate blue color.
Particular description of goods.—Almond Oil, Castor Oil; Castor Oil Aromatic; Iron Cinchona Bitters, Liniment, Liquid Phosphate of Iron and Lime, Hematic Pills, Sirup Iron and Iodide.
Claims use since Nov. 2, 1916.

Ser. No. 177,085. (CLASS 32. FURNITURE AND UPHOLSTERY.) JOHN HOEY & CO., San Francisco, Calif. Filed Mar. 7, 1923.



The trade-mark consists of a purple seam or cord running around the entire outside of the mattress. The representation of a mattress is disclaimed apart from the mark as shown.
Particular description of goods.—Mattresses.
Claims use since July, 1921.

Ser. No. 177,153. (CLASS 3. BAGGAGE, HORSE EQUIPMENTS, PORTFOLIOS, AND POCKETBOOKS.) MORTON J. VOGEL, New York, N. Y. Filed Mar. 8, 1923.



No claim is made to the words "New York," "Paris," "Exquisite Quality," and "Trade Mark" shown on the drawing.
Particular description of goods.—Ladies' and Children's Hand Bags Not Made of Precious Metal, Purses, and Pocketbooks.
Claims use since February, 1915.

Ser. No. 177,172. (CLASS 39. CLOTHING.) ELITE GLOVE CO., Gloversville, N. Y. Filed Mar. 9, 1923.

Hand Kraft

Particular description of goods.—Leather Gloves.
Claims use since about Feb. 1, 1922.

Ser. No. 177,305. (CLASS 39. CLOTHING.) ANNE LANFRANCHI, doing business as Rollee, New York, N. Y. Filed Mar. 12, 1923.



Without waiving any common-law rights the exclusive use of the words "Paris," "London," "New York," and "Importers" and the pictorial representation of a mounted hat is disclaimed.
Particular description of goods.—Hats for Women and Children.
Claims use since Dec. 11, 1922.

Ser. No. 177,389. (CLASS 39. CLOTHING.) H. C. F. KOCH & CO., INC., New York, N. Y. Filed Mar. 13, 1923.

SAVE-TEN

Particular description of goods.—Men's, Women's, and Children's Hosiery.
Claims use since Dec. 15, 1922.

Ser. No. 177,945. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) THE AMERICAN SUGAR REFINING COMPANY, Jersey City, N. J., and New York, N. Y. Filed Mar. 24, 1923.

Delecto

Particular description of goods.—Sugar for Use as a Food.
Claims use since Mar. 21, 1923.

Ser. No. 178,096. (CLASS 39. CLOTHING.) ELY & WALKER DRY GOODS COMPANY, St. Louis, Mo. Filed Mar. 27, 1923.



The words "Warm as the Sun" are disclaimed apart from the mark shown by the drawing.
Particular description of goods.—Knitted Coats.
Claims use since Dec. 15, 1922.

Ser. No. 178,206. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) AUSTIN, NICHOLS & CO., INC., Brooklyn, N. Y. Filed Mar. 29, 1923.

GOLDEN NET

Particular description of goods.—Canned Sardines.
Claims use since Nov. 1, 1910.

Ser. No. 178,290. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) LOUIS SINGER, doing business as L. S. Laboratories, New York, N. Y. Filed Mar. 29, 1923.

PEP

Particular description of goods.—Liquid Nail Polish, Nail-Polish Remover, Nail Polish in Cake Form, a Paste Polish, a Nail White, and a Cuticle Remover.
Claims use since Mar. 15, 1923.

Ser. No. 178,416. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) TERRA VITAE COMPANY, Chicago, Ill. Filed Mar. 31, 1923.



Overflowing With Health and Beauty

No claim is made to the exclusive use of the words "Beauty Clay, Antiseptic and Germicidal" apart from the mark shown.
Particular description of goods.—Beauty Clay, a Composition for Treatment of the Skin.
Claims use since on or about Mar. 10, 1923.

Ser. No. 178,425. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) THE AMERICAN COTTON OIL COMPANY, New York, N. Y. Filed Apr. 2, 1923.



Particular description of goods.—Chowder Made from tonseed Oils.
Claims use since Mar. 2, 1923.

Ser. No. 178,463. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) THE CHARLES H. PHILLIPS CHEMICAL CO., Glenbrook, Conn., and New York, N. Y. Filed Apr. 2, 1923.

Chas. H. Phillips

Trade-mark consists of the facsimile signature of Charles H. Phillips.
Particular description of goods.—Preparations of Magnesia, Preparations of Cod-Liver Oil, and Tonic Medicines.
Claims use since 1873.

Ser. No. 178,464. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) THE CHARLES H. PHILLIPS CHEMICAL CO., Glenbrook, Conn., and New York, N. Y. Filed Apr. 2, 1923.

Chas. H. Phillips

Trade-mark consists of the facsimile signature of Charles H. Phillips.
Particular description of goods.—Cocoa and Chocolate.
Claims use since 1873.

Ser. No. 178,465. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) THE CHARLES H. PHILLIPS CHEMICAL CO., Glenbrook, Conn., and New York, N. Y. Filed Apr. 2, 1923. Under ten-year proviso.

PHILLIPS'

Trade-mark consists of the word "Phillips'."
Particular description of goods.—Cocoa and Chocolate.
Claims use since 1872.

Ser. No. 178,466. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) THE CHARLES H. PHILLIPS CHEMICAL CO., Glenbrook, Conn., and New York, N. Y. Filed Apr. 2, 1923. Under ten-year proviso.

PHILLIPS'

Trade-mark consists of the word "Phillips'."
Particular description of goods.—Preparations of Magnesia, Preparations of Cod-Liver Oil and Tonic Medicine.
Claims use since 1872.

Ser. No. 178,543. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) ALTOONA PACKING COMPANY, Astoria, Oreg. Filed Apr. 4, 1923.



Particular description of goods.—Canned Fish.
Claims use since Sept. 16, 1905.

Ser. No. 178,649. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) JOHN M. WILSON, doing business as Meridian Grain & Elevator Company, Meridian, Miss. Filed Apr. 5, 1923.

HUMDINGER

Particular description of goods.—Horse and Mule Feed, Hog Feed, Dairy Feed, Ox Feed, and Scratch Feed.
Claims use since June 12, 1922.

Ser. No. 178,719. (CLASS 39. CLOTHING.) CHARLES H. GOEPEL, Jr., Philadelphia, Pa. Filed Apr. 7, 1923.



Particular description of goods.—Hosiery.
Claims use since Mar. 29, 1923.

Ser. No. 178,744. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) LAWRENCEBURG ROLLER MILLS CO., Lawrenceburg, Ind. Filed Apr. 7, 1923.

MINNESOTA KING



Particular description of goods.—Wheat Flour.
Claims use since Oct. 5, 1922.

Ser. No. 178,786. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) THOMAS J. WEBB COMPANY, Chicago, Ill. Filed Apr. 7, 1923.

ELMWOOD CLUB

Particular description of goods.—Coffee.
Claims use since October, 1915.

Ser. No. 178,817. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) GEORGE C. BUELL & CO. INC., Rochester, N. Y. Filed Apr. 9, 1923.

BUELL'S BRIGHTON BLEND



The word "Blend" forms no part of the registration sought apart from the mark shown in the drawing. The picture shown is fanciful.

Particular description of goods.—Coffee.

Claims use since 1903.

Ser. No. 178,827. (CLASS 5. ADHESIVES.) CLYDE WILSON COOK, Los Angeles, Calif. Filed Apr. 9, 1923.

VISCOSE

Particular description of goods.—An Adhesive for Bandaging by Applying It on the Object to be Bandaged and Embedding a Cloth Bandage into It or for Applying on the Cloth Bandage Material Before Use.

Claims use since September, 1922.

Ser. No. 179,040. (CLASS 39. CLOTHING.) HOOD RUBBER COMPANY, Watertown, Mass. Filed Apr. 12, 1923.

HYKESHU

Particular description of goods.—Rubber Boots and Shoes, Rubber Overshoes, and Rubber-Soled Canvas Shoes.

Claims use since June 26, 1917.

Ser. No. 179,075. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) THOMAS J. WEBB COMPANY, Chicago, Ill. Filed Apr. 12, 1923.



Old Hickory

Particular description of goods.—Coffee.

Claims use since August, 1906.

Ser. No. 179,085. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) JACOB BARAB, doing business as Aniseptol Chemical Co., Wilmington, Del. Filed Apr. 13, 1923.

CLEOLA

Particular description of goods.—Emollient for Use for Chapped Skin, Sunburn, and All Skin Irritations.

Claims use since Mar. 29, 1923.

Ser. No. 179,151. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) I. S. JOSEPH COMPANY, Minneapolis, Minn. Filed Apr. 14, 1923.

ARISTOCRAT

Particular description of goods.—Stock Feed—to wit, Mixed Feed, Screenings, and Flour Middlings.

Claims use since Feb. 15, 1923.

Ser. No. 179,170. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) STATE LINE MILLING CO., Kiowa, Kans. Filed Apr. 14, 1923.

FARMERS UNION

MADE FROM BEST SELECTED WHEAT

FLOUR

"Made from Best Selected Wheat" and the word "Flour" not being claimed apart from the other features of the mark.

Particular description of goods.—Wheat Flour.

Claims use since Oct. 1, 1922.

Ser. No. 179,179. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) CHAS. BROEKER & CO., Owensboro, Ky. Filed Apr. 16, 1923.

AIRoLITE

Particular description of goods.—Wheat Flour, Hominy Feed, and Grits.

Claims use since Apr. 21, 1914.

Ser. No. 179,180. (CLASS 39. CLOTHING.) BROWN SHOE COMPANY, INC., St. Louis, Mo. Filed Apr. 16, 1923.



BUSTER BROWN SHOES

No claim is made to the word "Shoes" except in connection with the balance of the mark.

Particular description of goods.—Leather, Canvas, and Cloth Shoes.

Claims use since Aug. 4, 1903.

Ser. No. 179,209. (CLASS 39. CLOTHING.) LA BELLE BRASSIERE CO. INC., New York, N. Y. Filed Apr. 16, 1923.

GIRD-O-BAND

No claim is made to the word "Band" apart from the mark shown on the drawing.

Particular description of goods.—Brassières and Girdles.

Claims use since Mar. 1, 1923.

Ser. No. 179,276. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) KEOKUK CANNING COMPANY, Keokuk, Iowa. Filed Apr. 17, 1923.

Power City

Particular description of goods.—Canned Tomatoes and Preserved Pickles.

Claims use since Apr. 2, 1923.

Ser. No. 179,291. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) VAL. BLATZ JR. CANDY CO., Milwaukee, Wis. Filed Apr. 18, 1923.

Gold Case

Particular description of goods.—Candy.

Claims use since June, 1922.

Ser. No. 179,299. (CLASS 39. CLOTHING.) FASHION HAT COMPANY, New York, N. Y. Filed Apr. 18, 1923.

CH

A Model Hat by Charlotte Haube

No claim is made for the words "A Model Hat by" apart from the mark shown.

Particular description of goods.—Ladies', Misses', and Children's Hats and Caps.

Claims use since Mar. 14, 1923.

Ser. No. 179,375. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) DAVID KLEBANOFF, doing business as Pestine Chemical Co., Philadelphia, Pa. Filed Apr. 19, 1923.

PESTINE

Particular description of goods.—Insecticides.

Claims use since Apr. 18, 1923.

Ser. No. 179,441. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) WARD BAKING COMPANY, New York, N. Y. Filed Apr. 20, 1923.

ROYAL PALMS

Particular description of goods.—Bread, Cake, and Breakfast Cereal.

Claims use since Mar. 31, 1923.

Ser. No. 179,458. (CLASS 37. PAPER AND STATIONERY.) THE CENTRAL OHIO PAPER COMPANY, Columbus, Ohio. Filed Apr. 21, 1923.

SWAN LAWN

The word "Lawn" is disclaimed apart from the mark as shown.

Particular description of goods.—Writing Paper, Tablets, Papeteries, Bristol Board, and Envelopes.

Claims use since Sept. 6, 1922.

Ser. No. 179,461. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) DELICA LABORATORIES CO., Chicago, Ill. Filed Apr. 21, 1923.

DIVINE SARAH

Particular description of goods.—Lip Sticks, Eye Brow and Lash Dressing, Cold Cream, Vanishing Cream, Rouge, Face Powder, Talcum Powder, Toilet Water, Perfume.

Claims use since Jan. 27, 1923.

Ser. No. 179,467. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) JESSE N. GREENE, doing business as J. N. Greene Co., Norfolk, Va. Filed Apr. 21, 1923.

QPID

Particular description of goods.—Stimulating Tonic for Kidney and Bladder Derangements.

Claims use since Oct. 1, 1920.

Ser. No. 179,485. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) HERBERT CLYDE SCHAEFER, Denver, Colo. Filed Apr. 21, 1923.

KANEKA

Particular description of goods.—Face Powders, Sachet Powders, Skin Creams, Face and Hand Lotions, Hair Tonics, and Skin Whitener.

Claims use since Sept. 30, 1922.

Ser. No. 179,487. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) SELECT PACKING CO., Easton, Pa. Filed Apr. 21, 1923.

"GOOD EATS"

Without waiving any common-law rights and merely for the purposes of this application, applicant does not herein assert any exclusive right to the word "Good" or the word "Eats" except as the same are shown in the accompanying drawing.

Particular description of goods.—Dried Fruit and Salted-Nut Mixture.

Claims use since Jan. 6, 1923.

Ser. No. 179,492. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) STANDARD CANDY COMPANY, Nashville, Tenn. Filed Apr. 21, 1923.

Nujoy

Particular description of goods.—Candy.

Claims use since Jan. 1, 1910.

Ser. No. 179,509. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) THE AMERICAN FORK & HOE COMPANY, Cleveland, Ohio. Filed Apr. 23, 1923.



Particular description of goods.—Agricultural Hand Implements for Hoeing and Digging.

Claims use since 1910.

Ser. No. 179,524. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) MARSHALL FIELD & COMPANY, Chicago, Ill. Filed Apr. 23, 1923.

MASTER FABRICS

No claim is made to the word "Fabrics" apart from the mark shown in the drawing.

Particular description of goods.—Cotton Linings in the Piece.

Claims use since Oct. 16, 1922.

Ser. No. 179,542. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) LOOSE-WILES BISCUIT COMPANY, Long Island City, N. Y. Filed Apr. 23, 1923.

TOMMY TUCKER

Particular description of goods.—Cakes.

Claims use since Sept. 6, 1922.

Ser. No. 179,562. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) THE SILVER LANE PICKLE COMPANY, East Hartford, Conn. Filed Apr. 23, 1923.

Silver Lane

Particular description of goods.—Chowchow Pickle, Sweet Mixed Pickle, Sour Mixed Pickle, Sour Onions, Sour Gherkins, Sweet Relish, Horse-Radish, Prepared Mustard, Cider Vinegar, Distilled Spirit Vinegar, and Table and Pickling Vinegar.

Claims use since Feb. 16, 1916.

Ser. No. 179,573. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) W. WANDEL MFG. CO., INC., New Orleans, La. Filed Apr. 23, 1923.

WAN-CO-LITE

Particular description of goods.—Rust Remover and Preventive.

Claims use since Apr. 2, 1923.

Ser. No. 179,588. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) DELFINE PURE FOOD CO., Newark, N. J. Filed Apr. 24, 1923.

KREEM-NAISE

Particular description of goods.—Salad Dressing, Filling for Sandwiches for Seasoning of Food.

Claims use since Feb. 1, 1923.

Ser. No. 179,618. (CLASS 39. CLOTHING.) ABRAHAM M. MALOUF, New York, N. Y. Filed Apr. 24, 1923.

ONE YEAR

Particular description of goods.—Garters.

Claims use since Mar. 12, 1923.

Ser. No. 179,643. (CLASS 15. OILS AND GREASES.) ARRO OIL & REFINING COMPANY, Lewistown, Del. Filed Apr. 25, 1923.

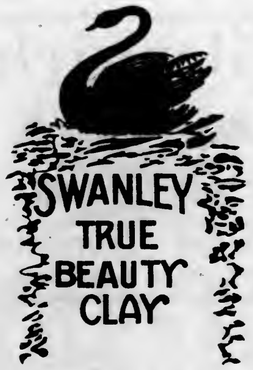
ARROLUBE

The lining indicates the color yellow, the letters being black.

Particular description of goods.—Gasoline, Kerosene, and Motor Oils.

Claims use since Feb. 22, 1922.

Ser. No. 179,655. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) WILLIAM B. CLEVES, doing business as Karmol Laboratory, Washington, D. C. Filed Apr. 25, 1923.



Applicant disclaims all words appearing on the drawing except the word "Swanley" apart from the association in which they are shown.

Particular description of goods.—Beauty Clay.

Claims use since Apr. 14, 1923.

Ser. No. 179,716. (CLASS 38. PRINTS AND PUBLICATIONS.) ST. LOUIS ESTES, Chicago, Ill. Filed Apr. 26, 1923.

Back to Nature

Particular description of goods.—Monthly Magazines.
Claims use since Mar. 1, 1923.

Ser. No. 179,727. (CLASS 39. CLOTHING.) HEIDELBERG, WOLFF & CO., New York, N. Y. Filed Apr. 26, 1923.

HK
HEID-KNIT
Tailored in New York

The words "Tailored in New York" are disclaimed for the purposes of this application, no common-law rights to the said words being waived.
Particular description of goods.—Overcoats, Raincoats, Smoking Jackets, House Coats, Norfolk Jackets, Topcoats, Golf Suits, and Sport Suits.
Claims use since on or about Feb. 1, 1923.

Ser. No. 179,728. (CLASS 39. CLOTHING.) HEIDELBERG, WOLFF & CO., New York, N. Y. Filed Apr. 26, 1923.

Glenkirk
OVER COATINGS
WOVEN IN SCOTLAND

Applicant disclaims any exclusive rights to the words "Overcoatings" and "Woven in Scotland" apart from the mark shown on the drawing.
Particular description of goods.—Overcoats, Raincoats, Smoking Jackets, House Coats, Norfolk Jackets, Topcoats, Golf Suits, and Sport Suits.
Claims use since on or about Feb. 1, 1923.

Ser. No. 179,793. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) LOUIS HOFER, doing business as Foot Balm Company, Cincinnati, Ohio. Filed Apr. 27, 1923.

BALM of GILEAD FOOT BALM"

The words "Balm of Gilead" and "Foot Balm" are not claimed herein apart from the mark shown on the drawing.
Particular description of goods.—Foot Balm.
Claims use since Mar. 20, 1923.

Ser. No. 179,806. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) MACPHEE & COMPANY, INC., Philadelphia, Pa. Filed Apr. 27, 1923.

MOMAC
NERVE TONIC

The words "Nerve Tonic" as appearing in the drawing, being descriptive, are hereby disclaimed.
Particular description of goods.—Nerve-Tonic Medicine.
Claims use since Oct. 1, 1922.

Ser. No. 179,815. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) NATIONAL CHEMICAL CO., Chicago, Ill. Filed Apr. 27, 1923.



The portrait illustrated in the drawing is that of Lila Lee Appel, the lines upon the drawing being employed to represent mere shading.

Particular description of goods.—Perfumes, Toilet Water, Cleansing Cream, Vanishing Cream, Turkish-Bath Oil, Hand Lotion, Face Powders (Liquid and Powder), Rouge, and Lip Stick.
Claims use since Feb. 1, 1923.

Ser. No. 179,849. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) THE BONITA CO., Fond du Lac, Wis. Filed Apr. 28, 1923.

Oh Skin-nay!

Particular description of goods.—Candy.
Claims use since Dec. 14, 1922.

Ser. No. 179,852. (CLASS 39. CLOTHING.) THE COHN-GOODMAN CO., Cleveland, Ohio. Filed Apr. 28, 1923.

Betty Louise

Particular description of goods.—Ladies' Suits and Coats.
Claims use since Apr. 19, 1923.

Ser. No. 179,966. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) LUDWIG SCHERK, Berlin, Germany. Filed Apr. 30, 1923.



Particular description of goods.—Perfumery, Cream for External Use, Lotion for External Use, Rouge, Hair Tonic, Mouth Wash, and Tooth Paste.
Claims use since Jan. 1, 1923.

Ser. No. 179,981. (CLASS 4. ABRASIVE, DETERGENT, AND POLISHING MATERIALS.) JOHN T. WOOD, St. Louis, Mo. Filed Apr. 30, 1923.

THE 11 HOUR

Particular description of goods.—Metal Polishes.
Claims use since Jan. 2, 1912.

Ser. No. 180,015. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) W. T. LANE, Jr., Jonesboro, Ark. Filed May 1, 1923.

BUFFALO ISLAND

Particular description of goods.—Cantaloupes in Their Natural State.
Claims use since July 18, 1921.

Ser. No. 180,066. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) HUTCHINSON S. HINKLE, doing business as The Leclare Laboratories, New York, N. Y. Filed May 2, 1923.



The portrait shown in the trade-mark is merely fanciful, and the applicant disclaims the word "Nohair" as his trade-mark.
Particular description of goods.—Hair Remover.
Claims use since July 22, 1922.

Ser. No. 180,092. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) M. M. WINCHELL CO., Pasadena, Calif. Filed May 2, 1923.

MAKITAN

Particular description of goods.—Corn Salve.
Claims use since Jan. 1, 1920.

Ser. No. 180,167. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) GEORGE A. BREON, doing business as Whinton Laboratories, Kansas City, Mo. Filed May 4, 1923.

PRESTO

Particular description of goods.—Medical Compound for Treating Corns.
Claims use since Jan. 3, 1923.

Ser. No. 180,291. (CLASS 39. CLOTHING.) THE MODISHFORM BRASSIERE CO. INC., New York, N. Y. Filed May 7, 1923.

RYTEX MADE OF WASHABLE FABRICS-GUARANTEED

No claim is made to the words "Made of Washable Fabrics—Guaranteed" apart from the mark shown on the drawing.

Particular description of goods.—Brassières.

Claims use since Mar. 15, 1923.

Ser. No. 180,344. (CLASS 38. PRINTS AND PUBLICATIONS.) THE JONATHAN H. WINTERS COMPANY, Dayton, Ohio. Filed May 7, 1923.

CERTIFICATE OF ESTATE

Particular description of goods.—Long-Term and Installment Bonds.

Claims use since Nov. 27, 1922.

Ser. No. 180,399. (CLASS 39. CLOTHING.) HENRY SIEGEL, New York, N. Y. Filed May 9, 1923.

NEW YORK SEA GULL HATS PARIS

No claim is made to the words "Hats," "New York," "Paris Styles," and "Paris" apart from the mark shown on the drawing.

Particular description of goods.—Ladies' Trimmed Hats.

Claims use since Apr. 1, 1923.

Ser. No. 180,472. (CLASS 39. CLOTHING.) W. T. GRANT COMPANY, Lynn, Mass., and New York, N. Y. Filed May 11, 1923.

Seamont.

Particular description of goods.—Men's Dress, Negligee, and Work Shirts.

Claims use since Apr. 12, 1923.

Ser. No. 180,515. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) JOHN B. ARATA JR., INC., Philadelphia, Pa. Filed May 12, 1923.

CELESTIN

Particular description of goods.—Candies.

Claims use since Apr. 1, 1923.

Ser. No. 180,547. (CLASS 32. FURNITURE AND UPHOLSTERY.) NORFOLK MATTRESS COMPANY, INC., Norfolk, Va. Filed May 12, 1923.

SUNSET LINE

Particular description of goods.—Bed Springs and Bedsteads.

Claims use since 1915.

Ser. No. 180,555. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) SCHUTTER-JOHNSON CANDY CO., Chicago, Ill. Filed May 12, 1923.

BIG-BO-PEEPS

Particular description of goods.—Candy.

Claims use since February, 1923.

Ser. No. 180,556. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) SCHUTTER-JOHNSON CANDY CO., Chicago, Ill. Filed May 12, 1923.

DOLLAR BOYS

Particular description of goods.—Candy.

Claims use since February, 1923.

Ser. No. 180,557. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) SCHUTTER-JOHNSON CANDY CO., Chicago, Ill. Filed May 12, 1923.

Johnny-Jingles

Particular description of goods.—Candy.

Claims use since February, 1923.

Ser. No. 180,561. (CLASS 39. CLOTHING.) STERLING UNDERWEAR COMPANY, Chicago, Ill. Filed May 12, 1923.

HUG-ME-TITE

Particular description of goods.—Underwear of Textile Fabric for Women.

Claims use since Mar. 1, 1923.

Ser. No. 180,568. (CLASS 16. PAINTS AND PAINTERS' MATERIALS.) THE VISCO CHEMICAL PRODUCTS COMPANY, Cleveland, Ohio. Filed May 12, 1923.



Particular description of goods.—Polish for Furniture, Pianos, Autos, Woodwork, Hardwood Floors, and Like Highly-Finished Surfaces.

Claims use since about Oct. 19, 1914.

Ser. No. 180,580. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) BITTERSWEET PRODUCTS CORPORATION, Yonkers, N. Y. Filed May 14, 1923.

Chic-Land

Particular description of goods.—Candy of All Kinds and Grades.

Claims use since January, 1921.

Ser. No. 180,622. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) C. H. A. SCHMITT COMPANY, INC., Boston, Mass. Filed May 14, 1923.

EMANO

Particular description of goods.—Dyestuffs.

Claims use since Apr. 1, 1923.

Ser. No. 180,632. (CLASS 39. CLOTHING.) THEME BROTHERS COMPANY, Fort Wayne, Ind. Filed May 14, 1923.

THEME

Particular description of goods.—Hosiery.

Claims use since May 1, 1923.

Ser. No. 180,657. (CLASS 39. CLOTHING.) DUNLAP & CO., New York, N. Y. Filed May 15, 1923.

WANDERER

Particular description of goods.—Hats for Men, Women, and Children.

Claims use since March, 1922.

Ser. No. 180,685. (CLASS 39. CLOTHING.) DANIEL BOONE WOOLEN MILLS, INC., Chicago, Ill. Filed May 16, 1923.



The mark includes the name and portrait of a distinguished American, now deceased.

Particular description of goods.—Men's, Young Men's, Boys', and Children's Suits, Overcoats, and Trousers, and Women's Coats.

Claims use since Jan. 27, 1919.

Ser. No. 180,693. (CLASS 32. FURNITURE AND UPHOLSTERY.) THE ELLIOTT COMPANY, Kittery, Me., and Cambridge, Mass. Filed May 16, 1923.

The Elliott Addressing System MADE BY THE ELLIOTT CO. of CAMBRIDGE, MASS.

The applicant disclaims apart from the mark shown by the drawing the words "Addressing System," "Made by," and "of Cambridge, Mass."

Particular description of goods.—Stencil Cabinets.

Claims use since Nov. 1, 1922.

Ser. No. 180,708. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) LOFT, INC., New York, N. Y. Filed May 16, 1923.

BIG 3 PACKAGE

No claim is made to the word "Package" except as shown in association with the mark.

Particular description of goods.—Candies.

Claims use since Apr. 7, 1921.

Ser. No. 180,724. (CLASS 39. CLOTHING.) THE P. H. SAMPLINER COMPANY, Cleveland, Ohio. Filed May 16, 1923.

FASHIONED FOR TWIX-TEEN YOUTH

No claim made to the words "Fashioned for Youth."

Particular description of goods.—Ladies' and Misses' Outer Clothing, Coats, Suits, and Dresses.

Claims use since Feb. 15, 1922.

Ser. No. 180,739. (CLASS 39. CLOTHING.) HARRY BERGER, doing business as Harry Berger Shirt Company, New York, N. Y. Filed May 17, 1923.

Alpine POPLIN

No claim is made herein for the registration of word "Poplin" except in the association shown in the drawing.

Particular description of goods.—Men's and Boys' Collars, Pyjamas, and Shirts, Including Dress, Negligee, and Work Shirts.

Claims use since Apr. 17, 1923.

Ser. No. 180,759. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) LINA S. GIBSON, doing business as Gibson Remedy Company, Fort Wayne, Ind. Filed May 17, 1923.

Tesquah



Particular description of goods.—Preparation of Medicinal Character for the Relief of Coughs and After Effects of Influenza and Also for a Blood Tonic and System Builder.
Claims use since 1920.

Ser. No. 180,788. (CLASS 39. CLOTHING.) COLUMBIA SHIRT COMPANY, New York, N. Y. Filed May 18, 1923.

MEDOWBROOK

Particular description of goods.—Dress and Negligee Shirts.
Claims use since December, 1920.

Ser. No. 180,789. (CLASS 39. CLOTHING.) COLUMBIA SHIRT COMPANY, New York, N. Y. Filed May 18, 1923.

Pall Mall

Particular description of goods.—Dress and Negligee Shirts.
Claims use since January, 1923.

Ser. No. 180,827. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) A. P. BABCOCK COMPANY, New York, N. Y. Filed May 19, 1923.

KING TUT

Particular description of goods.—Talcum Powder, Face Powder, Rouge, Toilet Water, Perfume, Bath Salts, Cold Cream, Cream Balm, Sachet, Incense, Skin Lotion, Vanishing Cream, and Cleansing Cream.
Claims use since Mar. 1, 1923.

Ser. No. 180,840. (CLASS 5. ADHESIVES.) CALIFORNIA CENTRAL CREAMERIES, San Francisco, Calif. Filed May 19, 1923.

KAYSO

Particular description of goods.—A Compound in Powder Form Which in Use is Added to a Spray Liquid and When Dissolved Therein Gives the Liquid Adhesive Qualities Which It Would Not Otherwise Have.
Claims use since Sept. 25, 1921.

Ser. No. 180,853. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) PETER A. FRASSE & Co., INC., New York, N. Y. Filed May 19, 1923.

FREO

Particular description of goods.—Rust Remover and Pickling Compound for Metals.
Claims use since Apr. 10, 1923.

Ser. No. 180,865. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) INDEPENDENT DRUG COMPANY, Jacksonville, Fla. Filed May 19, 1923.

IDECO

Particular description of goods.—Medicinal Preparations—Namely, White Pine and Tar, Worm Sirup, Catarrhal Balm, Foot Powder, Liver Tonic, Liver Pills, Fig Sirup, Corn Remover, Kidney Tonic, Compound Sirup Hypophosphites, Pile Ointment, Seidlitz Powders, Chill Tonic, Cascara Sagrada, White Liniment, Cod-Liver-Oil Emulsion; Blackberry Compound for Diarrhea, Summer Complaint, and Cholera Infantum; Larkspur Lotion for the Hair, Throat Gargle, Baby Cough Sirup, Milk of Magnesia, Cod-Liver Extract, Alterative Compound for the Blood; Beef, Iron, and Wine; Bronchial Lozenges, Laxative Cold Tablets, Digestive Tablets, Sulphur and Cream-of-Tartar Tablets, Toothache Drops, and Tooth Wax; and Toilet Preparations—Namely, Almond Cream, Cold Cream, Peroxide Cream, Quinine and Sage Hair Tonic, and Dental Cream.
Claims use since February, 1920.

Ser. No. 180,922. (CLASS 39. CLOTHING.) LOUIS DIAMOND CO., INC., New York, N. Y. Filed May 21, 1923.



No claim is made to the word "Shirt" apart from the mark shown on the drawing.
Particular description of goods.—Men's Dress Shirts, Silk Shirts, and Work Shirts; Boys' Shirts and Blouses.
Claims use since January, 1916.

Ser. No. 180,985. (CLASS 38. PRINTS AND PUBLICATIONS.) THE PARK & POLLARD COMPANY, Boston, Mass. Filed May 22, 1923.

Scratch

Particular description of goods.—Publication Issued on the Full o' the Moon.
Claims use since Mar. 2, 1923.

Ser. No. 180,995. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) R. B. WARD & CO. INC., Los Angeles and Piedmont, Calif. Filed May 22, 1923.

VANITY

Particular description of goods.—Cake.
Claims use since May 17, 1923.

Ser. No. 180,997. (CLASS 38. PRINTS AND PUBLICATIONS.) GEORGE F. WHITEHOUSE, doing business as Vitality Publishing Company, Los Angeles, Calif. Filed May 22, 1923.

VITALITY

Particular description of goods.—A Monthly Publication.
Claims use since May, 1922.

Ser. No. 181,014. (CLASS 38. PRINTS AND PUBLICATIONS.) DIAMOND CAB SALES CORPORATION, New York, N. Y. Filed May 23, 1923.

STEERING WHEEL

Particular description of goods.—Monthly Publication.
Claims use since May 1, 1923.

Ser. No. 181,018. (CLASS 39. CLOTHING.) FLEXO MANUFACTURING COMPANY, Philadelphia, Pa. Filed May 23, 1923.

ARCHON HEEL

The word "Heel" is disclaimed except as shown.
Particular description of goods.—Rubber Heels and Arch Cushions.
Claims use since May 10, 1923.

Ser. No. 181,024. (CLASS 38. PRINTS AND PUBLICATIONS.) HOLLAND FURNACE COMPANY, Holland, Mich. Filed May 23, 1923.

Warm Friend

Particular description of goods.—A Magazine Published Monthly.
Claims use since July 1, 1920.

Ser. No. 181,039. (CLASS 39. CLOTHING.) JACOB MILLER'S SONS CO., Philadelphia, Pa. Filed May 23, 1923.

THE STYLSTER

Particular description of goods.—Men's Outer Dress and Negligee Shirts of Silk, Linen, Cotton, Mixtures of Silk and Linen and of Silk and Cotton.
Claims use since Apr. 20, 1923.

Ser. No. 181,082. (CLASS 39. CLOTHING.) LITTLE BUDDY SUIT COMPANY, Philadelphia, Pa. Filed May 24, 1923.

Little Buddy

Particular description of goods.—Boys' Regulation and Novelty Suits.
Claims use since Nov. 1, 1922.

Ser. No. 181,140. (CLASS 39. CLOTHING.) SYDNEY MOSES, New York, N. Y. Filed May 25, 1923.

Sy-Mos-Ette

THE LUSTRE KNIT DRESS

The words "The Lustre Knit Dress" are hereby disclaimed apart from the mark shown on drawing.
Particular description of goods.—Dresses.
Claims use since Jan. 15, 1922.

Ser. No. 181,141. (CLASS 39. CLOTHING.) SYDNEY MOSES, New York, N. Y. Filed May 25, 1923.

MILO-SHAM

THE NEW KNITTED CREATION

The words "The New Knitted Creation" are hereby disclaimed apart from the mark shown on the drawing.

Particular description of goods.—Dresses.

Claims use since Jan. 15, 1922.

Ser. No. 181,329. (CLASS 38. PRINTS AND PUBLICATIONS.) YELLOW CAB MANUFACTURING CO., Chicago, Ill. Filed May 28, 1923.

Cab Coach Journal

Particular description of goods.—A Monthly Periodical.

Claims use since May 3, 1923.

Ser. No. 181,337. (CLASS 39. CLOTHING.) CALIFORNIA GLOVE COMPANY, Napa, Calif. Filed May 29, 1923.

ROADSTER

Particular description of goods.—Leather Gloves.

Claims use since Jan. 1, 1923.

Ser. No. 181,351. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) SAN FRANCISCO SULPHUR CO., San Francisco, Calif. Filed May 29, 1923.

VELVET

Particular description of goods.—Sulphur.

Claims use since about 1893.

Ser. No. 181,354. (CLASS 39. CLOTHING.) SUPERIOR GARMENT COMPANY, INC., New York, N. Y. Filed May 29, 1923.

THE HOUSE OF THE HOUR

Superianna

SGCo

Particular description of goods.—Ladies' Coats.

Claims use since Jan. 2, 1923

Ser. No. 181,383. (CLASS 20. LINOLEUM AND OILED CLOTH.) THE COLUMBUS-UNION OIL CLOTH CO., Columbus, Ohio. Filed May 31, 1923.

O. K.

Particular description of goods.—Linoleum and Oiled Cloth.

Claims use since May 7, 1923.

Ser. No. 181,389. (CLASS 39. CLOTHING.) JOEL ORVAL FLY, doing business as The Fly Manufacturing Co., Shelbyville, Tenn. Filed May 31, 1923.

FLY'S

The lining on the drawing is intended for the purposes of shading only.

Particular description of goods.—Work Clothing—Namely, Overalls, Coats, Work Pants, and Work Shirts.

Claims use since Jan. 1, 1923.

Ser. No. 181,490. (CLASS 39. CLOTHING.) M. S. LEVY & SONS INC., Baltimore, Md. Filed June 2, 1923.



Particular description of goods.—Hats for Men.

Claims use since May 8, 1923.

Ser. No. 181,509. (CLASS 38. PRINTS AND PUBLICATIONS.) THE BANKERS SUPPLY CO., Denver, Colo., and Chicago, Ill. Filed June 4, 1923.

THE BONUS

Particular description of goods.—Publications Issued Weekly.

Claims use since Apr. 14, 1923.

Ser. No. 181,514. (CLASS 39. CLOTHING.) EDW. P. CUNNINGHAM, INC., New York, N. Y. Filed June 4, 1923.



Particular description of goods.—Men's Hats.

Claims use since Feb. 1, 1919.

Ser. No. 181,539. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) POLAR FOOD PRODUCTS CORP., Boston, Mass. Filed June 4, 1923.

ICEBOATS

Particular description of goods.—Edible Chocolate-Lined Shell Adapted to Contain Ices.

Claims use since May, 1922.

Ser. No. 181,659. (CLASS 15. OILS AND GREASES.) STANDARD OIL COMPANY (NEW JERSEY), Bayonne, N. J. Filed June 7, 1923.

ESSO

Particular description of goods.—Refined, Semirefined, and Unrefined Oils Made from Petroleum, Both with and without Admixture of Animal, Vegetable, or Mineral Oils, for Illuminating, Burning, Power, Fuel, and Lubricating Purposes and Greases.

Claims use since May 21, 1923.

Ser. No. 181,660. (CLASS 15. OILS AND GREASES.) STANDARD OIL COMPANY (NEW JERSEY), Bayonne, N. J. Filed June 7, 1923.

SO ESSO

Particular description of goods.—Refined, Semirefined, and Unrefined Oils Made from Petroleum, Both with and without Admixture of Animal, Vegetable, or Mineral Oils, for Illuminating, Burning, Power, Fuel, and Lubricating Purposes and Greases.

Claims use since May 21, 1923.

Ser. No. 181,674. (CLASS 39. CLOTHING.) CONSOLIDATED HAT CO., New York, N. Y. Filed June 8, 1923.



No rights are asserted to the exclusive use of the word "Hats" except as forming a part of the trade-mark shown in the drawing.

Particular description of goods.—Misses' and Children's Hats.

Claims use since May 17, 1923.

Ser. No. 181,699. (CLASS 39. CLOTHING.) JOSEPH H. RUBINOW, doing business as J. H. Rubinow, New York, N. Y. Filed June 8, 1923.

TULIP

Particular description of goods.—Ladies', Misses', and Children's Hat Linings.

Claims use since Nov. 6, 1922.

Ser. No. 181,704. (CLASS 14. METALS AND METAL CASTINGS AND FORGINGS.) THE SMITH & EGGE MFG. CO., Bridgeport, Conn. Filed June 8, 1923.

GIANT

Particular description of goods.—Nonferrous Metals and Their Alloys.
Claims use since 1879.

Ser. No. 181,742. (CLASS 37. PAPER AND STATIONERY.) FISHER BROS. PAPER CO., Fort Wayne, Ind. Filed June 9, 1923.

BLUEBILL

Particular description of goods.—Toilet Paper, Paper Towels, Tissue Paper, Pencils, Wrapping Paper, Wax Lunch Rolls, Napkins, Papeteries, Envelopes.
Claims use since Jan. 15, 1923.

Ser. No. 181,790. (CLASS 39. CLOTHING.) THE WILLIAMS MANUFACTURING COMPANY, Portsmouth, Ohio. Filed June 9, 1923.

EXCELSIOR

Particular description of goods.—Leather Puttees.
Claims use since Oct. 1, 1919.

Ser. No. 181,818. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) CROWN DIE AND TOOL COMPANY, Chicago, Ill. Filed June 11, 1923.

CROWN

Particular description of goods.—Dies, Bench Pipe Vises, Post Pipe Vises, Hinged Pipe Vises, Portable Vise Stands, Ratchet Stocks, Nipple Plates, Pipe Reamers, Pipe Cutters, Cutter Wheels, Pipe Jaws, Spud Wrenches, Hickeys, Pipe Benders.
Claims use since about July 1, 1910.

Ser. No. 181,823. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) THE EAGLE CARBURETOR COMPANY, Cleveland, Ohio. Filed June 11, 1923.

EAGLE

Particular description of goods.—Carburetors and Parts Thereof.
Claims use since July, 1918.

Ser. No. 181,877. (CLASS 39. CLOTHING.) C. C. BLAKE, INCORPORATED, Boston, Mass. Filed June 12, 1923.

AUTOMATIC

Particular description of goods.—Leather Shoes.
Claims use since June 7, 1923.

Ser. No. 181,880. (CLASS 31. FILTERS AND REFRIGERATORS.) CITY REFRIGERATOR COMPANY, Los Angeles, Calif. Filed June 12, 1923.

SUB-ICE

Particular description of goods.—Refrigerator Display Cases.
Claims use since about Jan. 15, 1919.

Ser. No. 181,898. (CLASS 39. CLOTHING.) JAMES MONTROSE KINNEY, Yonkers, N. Y. Filed June 12, 1923.

Athleto

Particular description of goods.—Brassières and Corsets.
Claims use since Mar. 24, 1923.

Ser. No. 181,901. (CLASS 37. PAPER AND STATIONERY.) LOUISVILLE PAPER CO., Louisville, Ky. Filed June 12, 1923.

DALKEITH BOND

No registration rights are claimed for the word "Bond" apart from the mark shown in the drawing; but applicant waives none of its common-law right in said mark or any element thereof.
Particular description of goods.—Bond Paper.
Claims use since 1901.

Ser. No. 181,902. (CLASS 37. PAPER AND STATIONERY.) LOUISVILLE PAPER CO., Louisville, Ky. Filed June 12, 1923.

TEMPEST BOND

No registration rights are claimed for the word "Bond" apart from the mark shown in the drawing; but applicant waives none of its common-law right in said mark or any element thereof.
Particular description of goods.—Bond Paper.
Claims use since 1906.

Ser. No. 181,926. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) E. J. WILE & CO., New York, N. Y. Filed June 12, 1923.

HY--LO

Particular description of goods.—Woolen Piece Goods.
Claims use since May 14, 1923.

Ser. No. 181,930. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) BEAUMONT MFG., COMPANY, Philadelphia, Pa. Filed June 13, 1923.

UNDERDRY

Particular description of goods.—Gates for Granular Materials.
Claims use since May 18, 1923.

Ser. No. 181,970. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) THE AGRILIN CHEMICAL COMPANY, Wilmington, Del., and New York, N. Y. Filed June 14, 1923.

Agrilin

Particular description of goods.—Laxative.
Claims use since June 27, 1922.

Ser. No. 181,983. (CLASS 39. CLOTHING.) CHAS. R. DE BEVOISE CO., Newark, N. J., and New York, N. Y. Filed June 14, 1923.

FAVORITE

Particular description of goods.—Brassières.
Claims use since June 9, 1923.

Ser. No. 182,037. (CLASS 37. PAPER AND STATIONERY.) AMERICAN WRITING PAPER COMPANY, Holyoke, Mass. Filed June 15, 1923.

CHEROKEE

Particular description of goods.—Bristol Paper.
Claims use since Jan. 1, 1921.

Ser. No. 182,094. (CLASS 38. PRINTS AND PUBLICATIONS.) FORSTER MUSIC PUBLISHER, INC., Chicago, Ill. Filed June 16, 1923.



Particular description of goods.—Musical Publications.
Claims use since September, 1922.

Ser. No. 182,102. (CLASS 16. PAINTS AND PAINTERS' MATERIALS.) S. C. JOHNSON & SON, Racine, Wis. Filed June 16, 1923. Under ten-year proviso.

JOHNSON'S

Particular description of goods.—Prepared Wax in Paste and Powdered Forms for Finishing and Polishing Floors and Interior Woodwork and for Paint and Varnish Remover.
Claims use since about 1890.

Ser. No. 182,198. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) THE BEST FOODS, INC., New York, N. Y. Filed June 19, 1923.

Pando

Particular description of goods.—Vegetable Shortening.
Claims use since Mar. 5, 1923.

Ser. No. 182,213. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) THE HOLT MANUFACTURING COMPANY, Stockton, Calif. Filed June 19, 1923.

LIFETIME

Particular description of goods.—Harvesters and Thrashers and Combined Harvesters and Thrashers.
Claims use since July 1, 1922.

Ser. No. 182,236. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) THE DOLLY VARDEN CHOCOLATE COMPANY, Cincinnati, Ohio. Filed June 20, 1923.

DUSKY LASSES

Particular description of goods.—Candy.
Claims use since February, 1921.

Ser. No. 182,257. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) THE P-K MANUFACTURING COMPANY, Cleveland, Ohio. Filed June 20, 1923.

PE KAY

Particular description of goods.—Water-Power Beater and Whipper.
Claims use since May 1, 1923.

Ser. No. 182,282. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) ABRAHAM & STRAUS, INC., New York, N. Y. Filed June 21, 1923.

ORABO

Particular description of goods.—Coffee.
Claims use since June 1, 1923.

Ser. No. 182,296. (CLASS 16. PAINTS AND PAINTERS' MATERIALS.) THE DAVEY TREE EXPERT COMPANY, Kent, Ohio. Filed June 21, 1923.

DAVEYLAC

Particular description of goods.—Wood-Preserving Paints and Shellac.
Claims use since Mar. 12, 1923.

Ser. No. 182,310. (CLASS 38. PRINTS AND PUBLICATIONS.) INTERNATIONAL BANK, Washington, D. C. Filed June 21, 1923.



No claim is made to the words "Washington, D. C." appearing on the drawing except in connection with the mark as shown. No common-law rights in the mark or any feature thereof is waived by this disclaimer.
Particular description of goods.—Printed Circulars, Bulletins, Digests, and Periodical Publications Relating to Banking Service, to Investments, and to Securities, and Drafts, Traveler's Checks, and Letters of Credit.
Claims use since on or about Oct. 1, 1919.

Ser. No. 182,329. (CLASS 31. FILTERS AND REFRIGERATORS.) ADAMITE FILTRATION CO. INC., Brooklyn, N. Y. Filed June 22, 1923.

ADAMITE

Particular description of goods.—Filtration Materials.
Claims use since July 11, 1922.

Ser. No. 182,393. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) AMERICAN MECHANICAL WORKS, Los Angeles, Calif. Filed June 25, 1923.

American
VELVET ACTION

Particular description of goods.—Automobile Accessories, Particularly Foot Throttles.
Claims use since Feb. 5, 1923.

Ser. No. 182,408. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) FARIBAULT CANNING CO., Faribault, Minn. Filed June 25, 1923.

FARIBO

Particular description of goods.—Canned Sweet Corn.
Claims use since September, 1922.

Ser. No. 182,410. (CLASS 37. PAPER AND STATIONERY.) GILBERT PAPER CO., Menasha, Wis. Filed June 25, 1923.

BROADCAST

Particular description of goods.—Bond Paper, Ledger Paper, and Writing Paper.
Claims use since Apr. 24, 1923.

Ser. No. 182,446. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) CHAS. A. STEVENS & BROS., Chicago, Ill. Filed June 25, 1923. Under ten-year proviso.

STEVENS

Particular description of goods.—Silks in the Piece.
Claims use since 1888.

Ser. No. 182,447. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) CHAS. A. STEVENS & BROS., Chicago, Ill. Filed June 25, 1923. Under ten-year proviso.

CHAS-A-STEVENS&BROS.

Particular description of goods.—Silks and Laces in the Piece.
Claims use since 1889.

Ser. No. 182,449. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) SYLMAR PACKING CORPORATION, Los Angeles, Calif. Filed June 25, 1923.

PIMENTO CUPS

Particular description of goods.—Pickled Pimientos.
Claims use since Sept. 1, 1921.

Ser. No. 182,493. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) AMERICAN SAFETY RAZOR CORPORATION, Brooklyn, N. Y. Filed June 27, 1923.

MARBELITE

Particular description of goods.—Razor Sets.
Claims use since June 12, 1923

Ser. No. 182,505. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) FLORIDA PRODUCTS COMPANY, INC., New York, N. Y. Filed June 27, 1923.

GINJA-MEL

Particular description of goods.—Marmalade.
Claims use since June 23, 1923.

Ser. No. 182,512. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) GRAND LAKE & GULF SHRIMP COMPANY, Westwego, La. Filed June 27, 1923.

GRAN-LA-GO

Particular description of goods.—Canned Shrimp.
Claims use since Feb. 15, 1922.

Ser. No. 182,513. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) GRAND LAKE & GULF SHRIMP COMPANY, Westwego, La. Filed June 27, 1923.

WEGO

Particular description of goods.—Canned Shrimp.
Claims use since Apr. 18, 1922.

Ser. No. 182,563. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) CASHMERE FRUIT GROWERS UNION, Cashmere, Wash. Filed June 29, 1923.

KINGFRUIT



Particular description of goods.—Fresh Apples.
Claims use since 1914.

Ser. No. 182,587. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) HOOTON COCOA COMPANY, Newark, N. J. Filed June 29, 1923.

MA-JA-DO

Particular description of goods.—Cocoa and Chocolate.
Claims use since May, 1922.

Ser. No. 182,600. (CLASS 38. PRINTS AND PUBLICATIONS.) HENRY KNIGHT MILLER, doing business as Psychology Publishing Company, New York, N. Y. Filed June 29, 1923.

PSYCHOLOGY
·HEALTH·HAPPINESS·SUCCESS·

Particular description of goods.—Periodicals Published Monthly.
Claims use since April, 1923.

Ser. No. 182,616. (CLASS 16. PAINTS AND PAINTERS' MATERIALS.) PHILIP RUXTON, INCORPORATED, New York, N. Y.; Chicago, Ill.; Boston, Mass.; St. Paul, Minn., and St. Louis, Mo. Filed June 29, 1923.

ARABESQUE

Particular description of goods.—Liquid Water Colors and Artist Oil Colors.
Claims use since Aug. 1, 1919.

Ser. No. 182,622. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) STUART PACKING CORPORATION, Seattle, Wash. Filed June 29, 1923.

NEMO

Particular description of goods.—Canned Salmon.
Claims use since July, 1922.

Ser. No. 182,643. (CLASS 37. PAPER AND STATIONERY.) ARROW PAINT & WALL PAPER COMPANY, Denver, Colo. Filed June 30, 1923.

ARROW

Particular description of goods.—Wall Paper.
Claims use since March, 1920.

Ser. No. 182,654. (CLASS 17. TOBACCO PRODUCTS.) DAVIS, SHERK & MASON CIGAR CO., Reading, Pa. Filed June 30, 1923.



♥ENGAGEMENT♥

Particular description of goods.—Cigars.
Claims use since Sept. 7, 1914.

Ser. No. 182,750. (CLASS 37. PAPER AND STATIONERY.) HARRY N. GOLDSMITH, Philadelphia, Pa. Filed July 3, 1923.

LUXOR

Particular description of goods.—Paper Towels, Paper Napkins, Paper Wrappers for Delicatessen Lunches.
Claims use since Jan. 4, 1923.

Ser. No. 182,784. (CLASS 37. PAPER AND STATIONERY.) AMERICAN LACE PAPER COMPANY, Milwaukee, Wis. Filed July 5, 1923.

SNOWFLAKE WADDING

No claim is made to the word "Wadding" apart from the mark as shown.
Particular description of goods.—Paper Wadding.
Claims use since May 11, 1923.

Ser. No. 182,816. (CLASS 37. PAPER AND STATIONERY.) JACKSON PAPER CO., Jackson, Miss. Filed July 5, 1923.



Particular description of goods.—Tablets and School Pads.
Claims use since about Apr. 1, 1923.

Ser. No. 182,833. (CLASS 39. CLOTHING.) DALTON E. PEPPER, New York, N. Y. Filed July 5, 1923.



Particular description of goods.—Ladies' and Misses' Dresses.
Claims use since Aug. 15, 1922.

Ser. No. 182,838. (CLASS 39. CLOTHING.) RICHMOND HOSIERY MILLS, Rossville, Ga. Filed July 5, 1923.

BIENVENIDA

Particular description of goods.—Hosiery.
Claims use since 1911.

Ser. No. 182,843. (CLASS 22. GAMES, TOYS, AND SPORTING GOODS.) WAHOO NOVELTY WORKS, Wahoo, Nebr. Filed July 5, 1923.

WAGS

Particular description of goods.—Toy Dogs.
Claims use since June 1, 1922.

Ser. No. 182,925. (CLASS 39. CLOTHING.) ALEX MORAR, Omaha, Nebr. Filed July 7, 1923.

King Cut

Particular description of goods.—Neckties.
Claims use since June 1, 1922.

Ser. No. 182,946. (CLASS 22. GAMES, TOYS, AND SPORTING GOODS.) JOHN WIGART, doing business as The Glirr Mfg. Co., Brooklyn, N. Y. Filed July 7, 1923.

GLIRR

Particular description of goods.—Artificial Minnows.
Claims use since latter part of November, 1922.

Ser. No. 182,964. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) FANSTEEL PRODUCTS COMPANY, INC., North Chicago, Ill. Filed July 9, 1923.

423

Particular description of goods.—Puppet Valves.
Claims use since Dec. 1, 1922.

Ser. No. 182,965. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) FANSTEEL PRODUCTS COMPANY, INC., North Chicago, Ill. Filed July 9, 1923.

426

Particular description of goods.—Puppet Valves.
Claims use since December, 1922.

Ser. No. 182,980. (CLASS 37. PAPER AND STATIONERY.) THE MARTIN CANTINE CO., Saugerties, N. Y. Filed July 9, 1923.

CANFOLD

Particular description of goods.—Enameled Book Paper.
Claims use since 1915.

Ser. No. 182,981. (CLASS 37. PAPER AND STATIONERY.) THE MARTIN CANTINE CO., Saugerties, N. Y. Filed July 9, 1923.

ASHOKAN

Particular description of goods.—Enameled Book Paper.
Claims use since 1906.

Ser. No. 183,003. (CLASS 39. CLOTHING.) A. STEIN & COMPANY, Chicago, Ill. Filed July 9, 1923.



Particular description of goods.—Household Apron and Girdle Supporters.
Claims use since July 1, 1912.

Ser. No. 183,016. (CLASS 22. GAMES, TOYS, AND SPORTING GOODS.) ABRAHAM & STRAUS, INC., New York, N. Y. Filed July 10, 1923.

Mercury

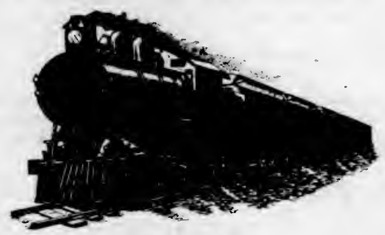
Particular description of goods.—Toy Automobiles.
Claims use since June 18, 1923.

Ser. No. 183,034. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) HENRY & ALLEN, Auburn, N. Y. Filed July 10, 1923.

HA

Particular description of goods.—Wrenches and Parts Thereof.
Claims use since June 25, 1923.

Ser. No. 183,043. (CLASS 17. TOBACCO PRODUCTS.) S. S. PIERCE CO., Boston, Mass. Filed July 10, 1923.



Particular description of goods.—Cigars.
Claims use since January, 1889.

Ser. No. 183,071. (CLASS 13. HARDWARE AND PLUMBING, AND STEAM-FITTING SUPPLIES.) KIELEY & MUELLER, INC., New York, N. Y. Filed July 11, 1923.

KIELEY

Particular description of goods.—Valves, Traps, and Regulators for Pipe Lines, Plumbing, Steam Fitting, and the Like.
Claims use since June 12, 1923.

Ser. No. 183,105. (CLASS 39. CLOTHING.) FRANC-STROHMENGER & COWAN, INC., New York, N. Y. Filed July 12, 1923.

HISTORICAL

Particular description of goods.—Neckties, Cravats, and Scarfs.
Claims use since June, 1922.

Ser. No. 183,122. (CLASS 39. CLOTHING.) PHILLIPS-JONES CORPORATION, New York, N. Y. Filed July 12, 1923.

POWEH KOPA

Particular description of goods.—Dress Shirts, Negligee Shirts, Work Shirts, Boys' Blouses, and Pyjamas.
Claims use since January, 1923.

Ser. No. 183,187. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) YANCY M. BLEDSOE, Bonham, Tex. Filed July 14, 1923.

BLEDSOE

Particular description of goods.—Wrenches.
Claims use since March, 1921.

Ser. No. 183,196. (CLASS 38. PRINTS AND PUBLICATIONS.) COMMERCIAL TRUCK COMPANY, Philadelphia, Pa. Filed July 14, 1923.

ELECTRUK

Particular description of goods.—Magazine Issued Monthly.
Claims use since May, 1922.

Ser. No. 183,229. (CLASS 38. PRINTS AND PUBLICATIONS.) HENRY KNIGHT MILLER, doing business as Psychology Publishing Company, New York, N. Y. Filed July 14, 1923.

Popular – Practical
Applied
PSYCHOLOGY

Particular description of goods.—Periodicals Published Either Bimonthly or Quarterly.
Claims use since June 27, 1923.

Ser. No. 183,232. (CLASS 37. PAPER AND STATIONERY.) THE ROSE COMPANY, Philadelphia, Pa. Filed July 14, 1923.

Personality

Particular description of goods.—Writing Paper and Envelopes.
Claims use since on or about July 3, 1923.

Ser. No. 183,240. (CLASS 16. PAINTS AND PAINTERS' MATERIALS.) WESTERN ELECTRIC COMPANY, INCORPORATED, New York, N. Y. Filed July 14, 1923.

SOZOL

Particular description of goods.—Creosote Wood Preservatives.
Claims use since May, 1923.

Ser. No. 183,269. (CLASS 44. DENTAL, MEDICAL, AND SURGICAL APPLIANCES.) HARRY B. GARRISON, also doing business as The Silvodent Co., Portland, Oreg. Filed July 16, 1923.

SILV-O-DENT

Particular description of goods.—Foundation and Pulp Protector Used in Making Metal Dental Fillings.
Claims use since Mar. 1, 1923.

Ser. No. 183,362. (CLASS 22. GAMES, TOYS, AND SPORTING GOODS.) MRS. RICHARD CARRUTHERS, doing business as Astoria By-Products Co., Astoria, Oreg. Filed July 18, 1923.

Ketch-Em

Particular description of goods.—Salmon Eggs for Bait.
Claims use since May 17, 1917.

Ser. No. 183,459. (CLASS 17. TOBACCO PRODUCTS.) TOBACCO PRODUCTS CORPORATION, New York, N. Y. Filed July 19, 1923.

BALLOON

Particular description of goods.—Cigarettes.
Claims use since June 5, 1923.

Ser. No. 183,524. CLASS 22. GAMES, TOYS, AND SPORTING GOODS.) IDEAL NOVELTY & TOY CO., Brooklyn, N. Y. Filed July 21, 1923.

"SOOZIE SMILES"

Particular description of goods.—Dolls.
Claims use since July 12, 1923.

Ser. No. 183,569. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) JOHN I. HART, doing business as Fourgees Cotton Mills, Manchester, England. Filed July 23, 1923.

GAMBRETTE

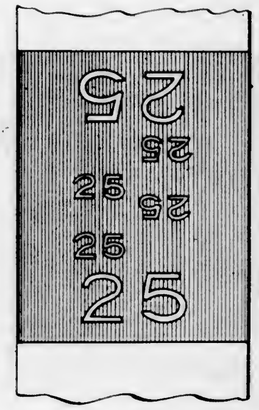
Particular description of goods.—Cotton Piece Goods.
Claims use since Mar. 20, 1922.

Ser. No. 183,570. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) JOHN I. HART, doing business as Fourgees Cotton Mills, Manchester, England. Filed July 23, 1923.

GLADETTE

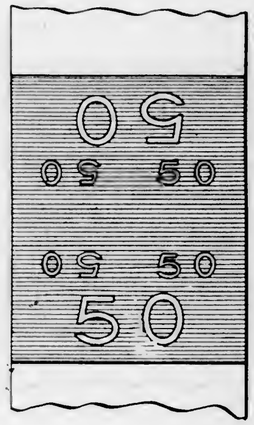
Particular description of goods.—Cotton Piece Goods.
Claims use since Mar. 20, 1922.

Ser. No. 183,601. (CLASS 37. PAPER AND STATIONERY.) SPURGIN MANUFACTURING COMPANY, Chicago, Ill. Filed July 23, 1923.



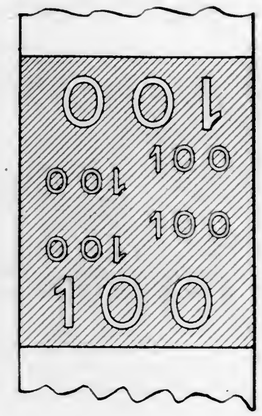
The trade-mark consists essentially of a rectangular pink field on the exposed side of the currency strap with the number "25" appearing on said field in a contrasting color. No claim is made to the value designating numeral "25" apart from the rectangular pink field on which the same appears.
Particular description of goods.—Currency Straps of $25 Denomination.
Claims use since about July 1, 1901.

Ser. No. 183,602. (CLASS 37. PAPER AND STATIONERY.) SPURGIN MANUFACTURING COMPANY, Chicago, Ill. Filed July 23, 1923.



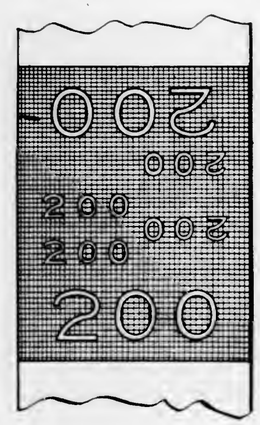
The trade-mark consists essentially of a rectangular blue field on the exposed side of the currency strap with the number "50" appearing on said field in a contrasting color. No claim is made to the value designating numeral "50" apart from the rectangular blue field on which the same appears.
Particular description of goods.—Currency Straps of $50 Denomination.
Claims use since about July 1, 1906.

Ser. No. 183,603. (CLASS 37. PAPER AND STATIONERY.) SPURGIN MANUFACTURING COMPANY, Chicago, Ill. Filed July 23, 1923.



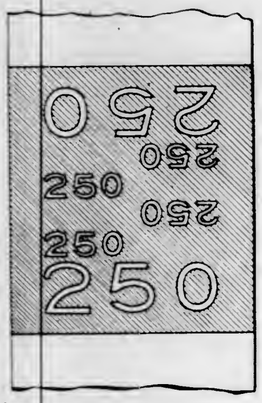
The trade-mark consists essentially of a rectangular brown field on the exposed side of the currency strap with the number "100" appearing on said field in a contrasting color. No claim is made to the value designating numeral "100" apart from the rectangular brown field on which the same appears.
Particular description of goods.—Currency Straps of $100 Denomination.
Claims use since about July 1, 1901.

Ser. No. 183,604. (CLASS 37. PAPER AND STATIONERY.) SPURGIN MANUFACTURING COMPANY, Chicago, Ill. Filed July 23, 1923.



The trade-mark consists essentially of a rectangular black field on the exposed side of the currency strap with the number "200" appearing on said field in a contrasting color. No claim is made to the value designating numeral "200" apart from the rectangular black field on which the same appears.
Particular description of goods.—Currency Straps of $200 Denomination.
Claims use since about July 1, 1901.

Ser. No. 183,605. (CLASS 37. PAPER AND STATIONERY.) SPURGIN MANUFACTURING COMPANY, Chicago, Ill. Filed July 23, 1923.



The trade-mark consists essentially of a rectangular green field on the exposed side of the currency strap with the number "250" appearing on said field in a contrasting color. No claim is made to the value designating numeral "250" apart from the rectangular green field on which the same appears.

Particular description of goods.—Currency Straps of $250 Denomination.

Claims use since about July 1, 1901.

Ser. No. 183,606. (CLASS 37. PAPER AND STATIONERY.) SPURGIN MANUFACTURING COMPANY, Chicago, Ill. Filed July 23, 1923.

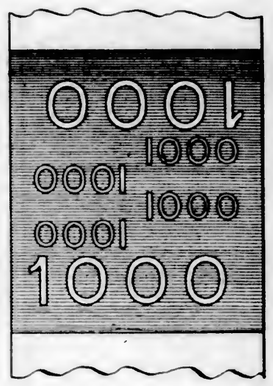


The trade-mark consists essentially of a rectangular green field on the exposed side of the currency strap with the number "300" appearing on said field in a contrasting color. No claim is made to the value designating numeral "300" apart from the rectangular green field on which the same appears.

Particular description of goods.—Currency Straps of $300 Denomination.

Claims use since about July 1, 1901.

Ser. No. 183,607. (CLASS 37. PAPER AND STATIONERY.) SPURGIN MANUFACTURING COMPANY, Chicago, Ill. Filed July 23, 1923.

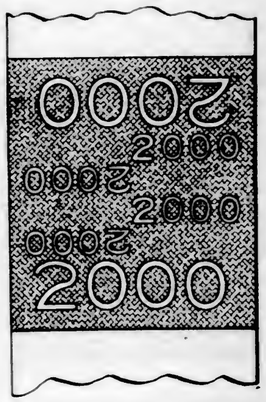


The trade-mark consists essentially of a rectangular blue field on the exposed side of the currency strap with the number "1000" appearing on said field in a contrasting color. No claim is made to the value designating numeral "1000" apart from the rectangular blue field on which the same appears.

Particular description of goods.—Currency Straps of $1,000 Denomination.

Claims use since about July 1, 1901.

Ser. No. 183,608. (CLASS 37. PAPER AND STATIONERY.) SPURGIN MANUFACTURING COMPANY, Chicago, Ill. Filed July 23, 1923.



The trade-mark consists essentially of a rectangular orange field on the exposed side of the currency strap with the number "2000" appearing on said field in a contrasting color. No claim is made to the value designating numeral apart from the rectangular orange field on which the same appears.

Particular description of goods.—Currency Straps of $2000 Denomination.

Claims use since about July 1, 1909.

Ser. No. 183,698. (CLASS 2. RECEPTACLES.) THE EDGERTON MANUFACTURING CO., Plymouth, Ind. Filed July 26, 1923.

KAPAK

Particular description of goods.—Baskets.

Claims use since Mar. 24, 1923.

Ser. No. 183,734. (CLASS 17. TOBACCO PRODUCTS.) CONSOLIDATED CIGAR CORPORATION, New York, N. Y. Filed July 27, 1923.



Particular description of goods.—Cigars.

Claims use since Dec. 23, 1909.

TRADE-MARK REGISTRATIONS GRANTED

[ACT OF FEBRUARY 20, 1905.]

SEPTEMBER 11, 1923.

172,554. FRUIT CAKE. LEO SIMON, doing business as Natchez Baking Company, Natchez, Miss.
Filed September 27, 1922. Serial No. 169,987. PUBLISHED MAY 1, 1923.

172,555. SWISS CHEESE. ALPINA CHEESE CO., Burgdorf, Switzerland.
Filed September 30, 1922. Serial No. 170,112. PUBLISHED MAY 8, 1923.

172,556. CHEMICAL PREPARATION FOR FACILITATING THE SCALDING OF HOGS. B. HELLER & COMPANY, Chicago, Ill.
Filed November 9, 1922. Serial No. 171,756. PUBLISHED MAY 29, 1923.

172,557. COOKIES. ITEN BISCUIT CO., Omaha, Nebr.
Filed November 13, 1922. Serial No. 171,923. PUBLISHED MAY 1, 1923.

172,558. PREPARATION FOR USE IN THE TREATMENT OF INFLAMED EYES. THEODORE W. STEMMLER, doing business as Evonol Laboratories, New York, N. Y.
Filed November 4, 1922. Serial No. 171,576. PUBLISHED APRIL 17, 1923.

172,559. PREPARATION FOR INFLAMMATORY CONDITIONS. THEODORE W. STEMMLER, doing business as Evonol Laboratories, New York, N. Y.
Filed November 4, 1922. Serial No. 171,575. PUBLISHED APRIL 17, 1923.

172,560. PREPARATION FOR USE IN THE TREATMENT OF ECZEMA. RALPH C. GARRETT, doing business as Tricco Chemical Co., Detroit, Mich.
Filed October 27, 1922. Serial No. 171,268. PUBLISHED MAY 22, 1923.

172,561. COLD CREAM, COMPLEXION POWDER, FACE POWDER, TOOTH PASTE, AND TOILET WATER. JOHN W. LOWRANCE, Boston, Mass., assignor, by mesne assignments, to Mello-Glo Company, Boston, Mass., a Corporation of Massachusetts.
Filed October 31, 1922. Serial No. 171,427. PUBLISHED MAY 29, 1923.

172,562. HEN SCRATCH, CHICK SCRATCH, LAYING MASH, DAIRY FEED, AND HORSE FEED. OWENSBORO MILLING CO., Owensboro, Ky.
Filed October 18, 1922. Serial No. 170,895. PUBLISHED MAY 1, 1923.

172,563. BREADS, CAKES, AND PASTRIES. CHARLES A. FRANKE, Little Rock, Ark.
Filed October 16, 1922. Serial No. 170,762. PUBLISHED MAY 1, 1923.

172,564. POULTRY FOODS. WALTER B. BLACK, Hoopeston, Ill.
Filed October 16, 1922. Serial No. 170,750. PUBLISHED MAY 1, 1923.

172,565. EMBALMER'S FACE PACK, CLAY MASSAGE, COLD CREAM, AND VANISHING CREAM. CLARENCE L. CHUTE, doing business as The Chute Laboratories, New Lexington, Ohio.
Filed October 14, 1922. Serial No. 170,742. PUBLISHED APRIL 17, 1923.

172,566. RAW AND PASTEURIZED MILK, BUTTER, EGGS, AND CHEESE. HENRY N. BRAWNER, Jr., doing business as Chestnut Farms Dairy, Washington, D. C.
Filed October 14, 1922. Serial No. 170,739. PUBLISHED MAY 1, 1923.

172,567. HAIR TONIC. JOHN J. FOX, Hancock, Mich.
Filed October 12, 1922. Serial No. 170,635. PUBLISHED JUNE 26, 1923.

172,568. MEDICINAL COMPOUND FOR THE TREATMENT OF CATARRHAL DISEASES OF THE HEAD. THE CREAM BALM COMPANY, Jersey City, N. J.
Filed October 12, 1922. Serial No. 170,626. PUBLISHED MAY 22, 1923.

172,569. FACE POWDER. HUGG'ME COMPANY, New York, N. Y.
Filed October 7, 1922. Serial No. 170,453. PUBLISHED APRIL 17, 1923.

172,570. LIQUID-BATTERY CHARGE. JEROME KIEFFER JESTER, doing business as Continental Ampower Company, Atlanta, Ga.
Filed October 7, 1922. Serial No. 170,434. PUBLISHED MAY 22, 1923.

172,571. MEDICINE FOR PROSTATIC AND BLADDER TROUBLES. CUMBERLAND CHEMICAL CO., Nashville, Tenn.
Filed October 7, 1922. Serial No. 170,429. PUBLISHED APRIL 24, 1923.

172,572. FACIAL CREAM. C. JAEGER DISTRIBUTING CO., New York, N. Y.
Filed October 6, 1922. Serial No. 170,388. PUBLISHED APRIL 17, 1923.

172,573. SWISS CHEESE. ALPINA CHEESE CO., Burgdorf, Switzerland.
Filed September 30, 1922. Serial No. 170,114. PUBLISHED MAY 8, 1923.

172,574. COLORING FOR FOOD AND CONFECTIONERY. B. HELLER & COMPANY, Chicago, Ill.
Filed December 7, 1922. Serial No. 173,046. PUBLISHED MAY 15, 1923.

172,575. PREPARATION FOR REPELLING FLIES FROM CATTLE, HORSES, DOGS, AND OTHER ANIMALS. B. HELLER & COMPANY, Chicago, Ill.
Filed December 7, 1922. Serial No. 173,045. PUBLISHED MAY 15, 1923.

172,576. REMEDY FOR COLD IN HEAD, GRIPPE, INFLUENZA, FEVER, SORENESS OF MUSCLES, SUMMER COLDS, AND NERVOUS HEADACHES. GEORGE H. HYLAND, doing business as Standard Homeopathic Company, Los Angeles, Calif.
Filed November 27, 1922. Serial No. 172,595. PUBLISHED MAY 29, 1923.

172,577. IMPLEMENTS FOR KILLING AND DISABLING INSECTS, FLIES, AND THE LIKE. U. S. MANUFACTURING CORPORATION, Decatur, Ill.
Filed November 23, 1922. Serial No. 172,453. PUBLISHED JUNE 5, 1923.

172,578. COLD CREAM. LEOPOLD E. HELFAND, doing business as Elpho Pharmacal Company, Philadelphia, Pa.
Filed November 13, 1922. Serial No. 171,915. PUBLISHED MAY 22, 1923.

172,579. CHEMICAL PREPARATION FOR USE IN DEODORIZING ICE BOXES, BUTCHERS' TOOLS, REFRIGERATORS, AND MEAT REPOSITORIES. B. HELLER & COMPANY, Chicago, Ill.
Filed November 15, 1922. Serial No. 172,043. PUBLISHED MAY 15, 1923.

172,580. MEDICINAL TONIC. WONDER MEDICINE COMPANY, Atlanta, Ga.
Filed November 20, 1922. Serial No. 172,313. PUBLISHED MAY 8, 1923.

172,581. PERFUMES AND HAIR TONICS. ANIBAL SAMPEDRO, Mexico, Mexico.
Filed October 24, 1922. Serial No. 171,138. PUBLISHED MAY 22, 1923.

172,582. RUBBING AND MASSAGING ALCOHOL. FORST LABORATORIES, Cincinnati, Ohio.
Filed October 23, 1922. Serial No. 171,073. PUBLISHED MAY 8, 1923.

172,583. FOODS AND FEED FOR POULTRY, LIVE STOCK, AND CATTLE. I. ISAAC IRWIN, doing business as Irwin & Co., San Diego, Calif.
Filed October 17, 1922. Serial No. 170,821. PUBLISHED JUNE 5, 1923.

172,584. RUBBER HOSE. ERNEST SCHULTHESS, doing business as Atlas Rubber Company, New York, N. Y.
Filed October 16, 1922. Serial No. 170,794. PUBLISHED JUNE 5, 1923.

172,585. BUTTER, EGGS, AND CHEESE. HENRY N. BRAWNER, Jr., doing business as Chestnut Farms Dairy, Washington, D. C.
Filed October 14, 1922. Serial No. 170,707. PUBLISHED MAY 15, 1923.

172,586. MEDICINE FOR PROSTATIC AND BLADDER TROUBLES. CUMBERLAND CHEMICAL CO., Nashville, Tenn.
Filed October 7, 1922. Serial No. 170,428. PUBLISHED MAY 29, 1923.

172,587. CERTAIN NAMED TOILET PREPARATIONS. THE SAXON PERFUME COMPANY, Cincinnati, Ohio.
Filed September 28, 1922. Serial No. 170,039. PUBLISHED JUNE 5, 1923.

172,588. REFRACTORY CEMENTS. E. J. LAVINO AND COMPANY, Philadelphia, Pa.
Filed September 28, 1922. Serial No. 170,029. PUBLISHED JUNE 5, 1923.

172,589. BRAN. THE MIDLAND FLOUR MILLING CO., Kansas City, Mo.
Filed September 12, 1922. Serial No. 169,368. PUBLISHED MAY 15, 1923.

172,590. CERTAIN NAMED JEWELRY FOR PERSONAL WEAR. MANUFACTURING JEWELERS EXPORT CO., INC., New York, N. Y.
Filed September 19, 1922. Serial No. 169,680. PUBLISHED MAY 29, 1923.

172,591. FACE POWDERS. BETTY LOU, Chicago, Ill.
Filed August 21, 1922. Serial No. 168,536. PUBLISHED MAY 29, 1923.

172,592. LIVER, KIDNEY, AND STOMACH MEDICINE. SPINKS & MCILWAIN, also doing business as Nu-Life Medicine Company, Selma, Ala.
Filed August 26, 1922. Serial No. 168,736. PUBLISHED MAY 8, 1923.

172,593. BAY RUM. VAIL BROTHERS, doing business as Keystone Perfume Company, Philadelphia, Pa.
Filed August 16, 1922. Serial No. 168,341. PUBLISHED JUNE 5, 1923.

172,594. A REMEDY FOR WORMS IN DOGS. WILLOWS, FRANCIS, BUTLER & THOMPSON LIMITED, London, England, and The Plains, Va.
Filed July 19, 1922. Serial No. 167,113. PUBLISHED MAY 29, 1923.

172,595. BUTTER. MILK PRODUCERS ASSOCIATION OF CENTRAL CALIFORNIA, Modesto, Calif.
Filed November 20, 1922. Serial No. 172,281. PUBLISHED JUNE 5, 1923.

172,596. WHEAT FLOUR. THE ABILENE FLOUR MILLS CO., Abilene, Kans.
Filed November 10, 1922. Serial No. 171,780. PUBLISHED JUNE 5, 1923.

172,597. SILK PIECE GOODS AND SILK AND COTTON MIXTURE PIECE GOODS. SAMUEL EISEMAN & CO., INC., New York, N. Y.
Filed November 7, 1922. Serial No. 171,691. PUBLISHED JUNE 5, 1923.

172,598. HAIR PREPARATIONS AND COLD CREAMS. ARTHENIA TAYLOR, Jeffersonville, Ind.
Filed November 2, 1922. Serial No. 171,517. PUBLISHED JUNE 5, 1923.

172,599. INFANTS' WRAPPERS. WALNOTT KNITTING COMPANY, Utica, N. Y.
Filed October 21, 1922. Serial No. 171,049. PUBLISHED JUNE 5, 1923.

172,600. NECKTIES. I. D. WOLFSON INC., New York, N. Y.
Filed October 20, 1922. Serial No. 171,005. PUBLISHED JUNE 5, 1923.

172,601. SELF-RISING FLOUR. LAWRENCEBURG ROLLER MILLS CO., Lawrenceburg, Ind.
Filed October 16, 1922. Serial No. 170,771. PUBLISHED JUNE 5, 1923.

172,602. WOMEN'S COATS, SKIRTS, KNICKERBOCKERS, SUITS, AND DRESSES. COHEN & EDELMAN, New York, N. Y., assignor to Cohen & Edelman, Inc., a Corporation of New York.
Filed October 14, 1922. Serial No. 170,740. PUBLISHED JUNE 5, 1923.

172,603. LADIES' AND MISSES' WEARING APPAREL. LEHMAN BROTHERS, INC., New York, N. Y.
Filed October 12, 1922. Serial No. 170,656. PUBLISHED JUNE 5, 1923.

172,604. KNITTED AND TEXTILE HOSIERY AND UNDERWEAR FOR MEN, WOMEN, CHILDREN, AND INFANTS. I. M. MIRSKY & SON, doing business as Milwaukee Knitting Mills, Milwaukee, Wis.
Filed October 11, 1922. Serial No. 170,591. PUBLISHED JUNE 5, 1923.

172,605. MEN'S MOHAIR SUITS IN ONE, TWO, AND THREE PIECE GARMENTS. AMERICAN SUMMER CLO CO., New York, N. Y.
Filed October 10, 1922. Serial No. 170,553. PUBLISHED JUNE 5, 1923.

172,606. SHAMPOO. SAMUEL B. LEVEY, doing business as Wonder Products Company, Newark, N. J.
Filed September 30, 1922. Serial No. 170,172. PUBLISHED MAY 29, 1923.

172,607. COTTON AND WOOL PIECE GOODS. LASKIN-SWATT CO., El Paso, Tex.
Filed September 30, 1922. Serial No. 170,145. PUBLISHED JUNE 5, 1923.

172,608. COFFEE, TEA, BREAD, PASTRY FLOUR, MARSHMALLOW CRÈME, AND SALAD DRESSING. HUEY & MATHEWS, INC., Pittsburgh, Pa.
Filed September 28, 1922. Serial No. 170,019. PUBLISHED JUNE 5, 1923.

172,609. SHAMPOO. A. J. KRANK MFG. CO., St. Paul, Minn.
Filed September 23, 1922. Serial No. 169,858. PUBLISHED JUNE 5, 1923.

172,610. RAW MILK, RAW CREAM, BUTTER, MILK, AND COTTAGE CHEESE. KELLY-LESTER MILK COMPANY, Philadelphia, Pa.
Filed August 26, 1922. Serial No. 168,717. PUBLISHED JUNE 5, 1923.

172,611. MEAT PIES, MEAT DUMPLINGS, AND PASTRIES HAVING MEAT FILLERS. WILLIAM H. BROOKS, San Francisco, Calif.
Filed July 31, 1922. Serial No. 167,597. PUBLISHED JUNE 5, 1923.

172,612. PEARL NECKLACES. M. TECLA & CO., New York, N. Y.
Filed August 8, 1922. Serial No. 167,958. PUBLISHED MAY 29, 1923.

172,613. WHEAT FLOUR. GEORGE A. ZABRISKIE, New York, N. Y.
Filed July 20, 1922. Serial No. 167,155. PUBLISHED JUNE 5, 1923.

172,614. PRINTED SHIRTINGS AND PRINTED PERCALES. EVERETT, HEANEY & CO., INC., New York, N. Y.
Filed July 13, 1922. Serial No. 166,821. PUBLISHED JUNE 5, 1923.

172,615. EVAPORATED APPLES. C. C. HALL, INC., Rochester, N. Y.
Filed June 24, 1922. Serial No. 165,998. PUBLISHED JANUARY 16, 1923.

172,616. PORTABLE HEATING APPARATUS. ANDRÉ GARBARINI, Courbevoie, France.
Filed June 20, 1922. Serial No. 165,750. PUBLISHED JUNE 5, 1923.

172,617. WOOLEN PIECE GOODS. KEELY & WATSON, New York, N. Y.
Filed June 2, 1922. Serial No. 164,852. PUBLISHED JUNE 5, 1923.

172,618. STOCK AND POULTRY FEED. UNITED ALFALFA CO., Omaha, Nebr.
Filed April 22, 1922. Serial No. 162,784. PUBLISHED JUNE 5, 1923.

172,619. STOCK AND POULTRY FEED. UNITED ALFALFA CO., Omaha, Nebr.
Filed April 22, 1922. Serial No. 162,783. PUBLISHED JUNE 5, 1923.

172,620. FRESH CITROUS FRUITS—VIZ, ORANGES AND LEMONS. LLEWELLYN A. BANKS, doing business as Citrus Growers Cash Association, Los Angeles, Calif.
Filed April 10, 1922. Serial No. 161,960. PUBLISHED DECEMBER 26, 1922.

172,621. BUTTER. KIRSCHBRAUN & SONS, INC., Omaha, Nebr.
Filed April 3, 1922. Serial No. 161,687. PUBLISHED JUNE 5, 1923.

172,622. COTTON AND SILK MIXTURE PIECE GOODS. VOSS & STERN, New York, N. Y.
Filed March 7, 1922. Serial No. 160,315. PUBLISHED JUNE 5, 1923.

172,623. COTTON AND SILK MIXTURE PIECE GOODS. VOSS & STERN, New York, N. Y.
Filed March 7, 1922. Serial No. 160,313. PUBLISHED JUNE 5, 1923.

172,624. GELATIN. E. C. RICH, INC., New York, N. Y.
Filed February 9, 1922. Serial No. 159,105. PUBLISHED JULY 25, 1922.

172,625. WHEAT FLOUR—NAMELY, SELF-RISING FLOUR. BALLARD & BALLARD COMPANY, Louisville, Ky.
Filed February 9, 1922. Serial No. 159,078. PUBLISHED JUNE 5, 1923.

172,626. WHEAT FLOUR—NAMELY, SELF-RISING FLOUR. BALLARD AND BALLARD COMPANY, Louisville, Ky.
Filed December 8, 1921. Serial No. 156,434. PUBLISHED JUNE 5, 1923.

172,627. CARBON PAPER, TYPEWRITER RIBBONS, INKED RIBBONS, AND CARBON-COATED SHEETS. H. M. STORMS COMPANY, Brooklyn, N. Y.
Filed October 31, 1921. Serial No. 154,850. PUBLISHED MAY 29, 1923.

172,628. OIL PAINT, LINSEED OIL, FLOOR WAX, FLOOR AND FURNITURE POLISH, ETC. LOUIS A. STABLER, doing business as The Lasco Company, Ltd., Baltimore, Md.
Filed October 18, 1921. Serial No. 154,287. PUBLISHED APRIL 3, 1923.

172,629. FRESH CANTALOUPES. C. M. OTOY & CO., Los Angeles, Calif.
Filed October 3, 1921. Serial No. 153,687. PUBLISHED AUGUST 22, 1922.

172,630. WASHBOILERS. MEYER KAMENSTEIN, Brooklyn, N. Y.
Filed March 30, 1921. Serial No. 145,463. PUBLISHED MAY 29, 1923.

172,631. WOVEN COTTON FABRICS IN THE PIECE. GEORGE A. STAFFORD, doing business as G. A. Stafford & Co., New York, N. Y.
Filed August 2, 1920. Serial No. 135,736. PUBLISHED JUNE 5, 1923.

172,632. FOODS—NAMELY, BUTTER, OLIVES, AND OLEOMARGARINE. ARTHUR E. DORR & CO., INC., Boston, Mass.
Filed July 30, 1914. Serial No. 80,177. PUBLISHED JUNE 5, 1923.

172,633. BREAD. THE CORBY BAKING COMPANY, INC., Washington, D. C.
Filed July 24, 1922. Serial No. 167,292. PUBLISHED JUNE 5, 1923.

172,634. BUTTER. CLYDE CREAMERY COMPANY, Clyde, N. Y.
Filed July 24, 1922. Serial No. 167,290. PUBLISHED JUNE 5, 1923.

172,635. ANTISEPTIC. GEORGE C. BIEGLER, doing business as Dent Laboratories, Cincinnati, Ohio.
Filed June 6, 1922. Serial No. 165,058. PUBLISHED APRIL 17, 1923.

172,636. WHEAT FLOUR. THE J. W. DENIO MILLING COMPANY, Sheridan, Wyo.
Filed May 18, 1922. Serial No. 164,025. PUBLISHED MAY 1, 1923.

172,637. CERTAIN NAMED TOILET PREPARATIONS. VIRGINIA D. BENNETT, New York, N. Y.
Filed May 17, 1922. Serial No. 163,961. PUBLISHED MAY 22, 1923.

172,638. WHEAT FLOUR. SPERRY FLOUR CO., San Francisco, Calif.
Filed May 3, 1922. Serial No. 163,294. PUBLISHED JANUARY 30, 1923.

172,639. WHEAT FLOUR. PARHAM-LINDSAY GROCERY CO., Chattanooga, Tenn.
Filed April 10, 1922. Serial No. 162,048. PUBLISHED MAY 1, 1923.

172,640. CANNED VEGETABLES, CANNED MILK, CATCHUP, FLAVORING EXTRACTS FOR FOODS, AND MINCEMEAT. D. S. WILLIAMS, doing business as Williams Brothers & Company, Wilkes-Barre, Pa.
Filed March 22, 1922. Serial No. 161,077. PUBLISHED MAY 1, 1923.

172,641. BREAD. THE NATIONAL BAKERIES, INC., Tampa, Fla.
Filed February 24, 1922. Serial No. 159,763. PUBLISHED MAY 1, 1923.

172,642. CHEESE. C. A. STRAUBEL CO., Green Bay, Wis.
Filed January 12, 1922. Serial No. 157,857. PUBLISHED APRIL 3, 1923.

172,643. LIVE POULTRY, EGGS FOR HATCHING, AND EGGS FOR FOOD. ARTHUR H. SHAW, Wellesley, Mass.
Filed January 12, 1922. Serial No. 157,855. PUBLISHED MAY 1, 1923.

172,644. TOILET-PAPER CABINETS. UTILITY SERVICE ASSOCIATION, Chicago, Ill.
Filed December 22, 1921. Serial No. 157,050. PUBLISHED MAY 29, 1923.

172,645. CHEMICAL COMPOUNDS FOR USE IN PRODUCING VARYING COLORS IN BURNING FUEL. LEE M. WATSON, Boston, Mass.
Filed December 31, 1921. Serial No. 157,397. PUBLISHED APRIL 17, 1923.

172,646. CHEMICAL COMPOUNDS FOR USE IN PRODUCING VARYING COLORS IN BURNING FUEL. LEE M. WATSON, Boston, Mass.
Filed December 31, 1921. Serial No. 157,396. PUBLISHED APRIL 17, 1923.

172,647. SEMOLINAS, RICES, ALIMENTARY PASTES, AND BISCUITS. "CÉRÈS" DOCKS, MINOTERIE, SEMOULERIE PATES ALIMENTAIRES, Nice, France.
Filed September 26, 1921. Serial No. 153,385. PUBLISHED MAY 8, 1923.

172,648. WHEAT FLOUR. THE FRANK R. PRINA CORPORATION, New York, N. Y.
Filed June 18, 1921. Serial No. 149,352. PUBLISHED MAY 1, 1923.

172,649. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS. THE SUN DRUG COMPANY, Los Angeles, Calif.
Filed November 13, 1920. Serial No. 139,634. PUBLISHED MARCH 27, 1923.

172,650. ENZYME SUBSTANCES. TAKAMINE LABORATORY, INC., Clifton, N. J.
Filed May 16, 1921. Serial No. 147,806. PUBLISHED APRIL 24, 1923.

172,651. MEDICINE FOR THE RELIEF OF CERTAIN NAMED AILMENTS. DAN L. WATSON, Georgiana, Ala.
Filed February 11, 1921. Serial No. 143,466. PUBLISHED MAY 22, 1923.

172,652. AUTOMOBILE SPARK TIMERS. THE RECTO MANUFACTURING CO., Cincinnati, Ohio.
Filed November 23, 1920. Serial No. 140,069. PUBLISHED MARCH 14, 1922.

172,653. LAXATIVE CRACKERS. VEGATOL PRODUCTS COMPANY, San Francisco, Calif.
Filed September 29, 1920. Serial No. 137,751. PUBLISHED JANUARY 30, 1923.

172,654. BEEHIVES AND COMB FOUNDATIONS. THE A. I. ROOT CO., Medina, Ohio.
Filed February 9, 1920. Serial No. 128,133. PUBLISHED JUNE 5, 1923.

172,655. LAMP SHADES. PHOEBE SMITH, Detroit, Mich.
Filed January 23, 1923. Serial No. 174,980. PUBLISHED JUNE 5, 1923.

172,656. OINTMENT FOR EXTERNAL USE FOR CUTS, BRUISES, SPRAINS, AND ERUPTIONS. AUGUSTE BLANCHETTE, Pawtucket, R. I.
Filed January 22, 1923. Serial No. 174,887. PUBLISHED JUNE 5, 1923.

172,657. MEN'S, WOMEN'S, AND CHILDREN'S KNITTED AND TEXTILE BATHING SUITS. MANCHESTER KNITTING MILLS, INC., Los Angeles, Calif.
Filed January 20, 1923. Serial No. 174,844. PUBLISHED JUNE 5, 1923.

172,658. LIP PASTES AND LIP PENCILS. FLORENCE N. LEWIS, doing business as Elizabeth Arden, New York, N. Y.
Filed January 20, 1923. Serial No. 174,842. PUBLISHED JUNE 5, 1923.

172,659. HARD-RUBBER COMPOSITION. NELOID CORPORATION, Wilmington, Del., and New York, N. Y.
Filed January 16, 1923. Serial No. 174,668. PUBLISHED JUNE 5, 1923.

172,660. SILK, ARTIFICIAL SILK, WOOL PIECE GOODS AND COMBINATIONS THEREOF. TRAVIS, ROMAINE & JELLÉ, INC., New York, N. Y.
Filed January 12, 1923. Serial No. 174,543. PUBLISHED MAY 29, 1923.

172,661. WRAPPING PAPER. HUFF, BARNES & OPIE, INC., Pittsburgh, Pa.
Filed January 12, 1923. Serial No. 174,520. PUBLISHED JUNE 5, 1923.

172,662. DIGESTIVE TONIC. EDGAR S. GEBHART, doing business as Redfern Medicine Company, Dayton, Ohio.
Filed January 12, 1923. Serial No. 174,518. PUBLISHED MAY 8, 1923.

172,663. LIQUID PREPARATION FOR THE TREATMENT OF RHEUMATISM. FRANK BURNES, doing business as Burnes Remedy Company, St. Louis, Mo.
Filed January 11, 1923. Serial No. 174,426. PUBLISHED MAY 8, 1923.

172,664. SKIN LOTION. THE E. L. PATCH COMPANY, Stoneham, Mass.
Filed January 11, 1923. Serial No. 174,482. PUBLISHED MAY 29, 1923.

172,665. INSECTICIDE OINTMENT AND SHAMPOO. DR. BECKER MEDICINE CO., New York, N. Y.
Filed January 10, 1923. Serial No. 174,382. PUBLISHED MAY 8, 1923.

172,666. LIQUID AND POWDERED PERFUMES. COLGATE & COMPANY, Jersey City, N. J.
Filed January 8, 1923. Serial No. 174,291. PUBLISHED MAY 29, 1923.

172,667. ROUGE. COLGATE & COMPANY, Jersey City, N. J.
Filed January 8, 1923. Serial No. 174,290. PUBLISHED MAY 29, 1923.

172,668. RUG AND CARPET HOLDERS TO PREVENT SLIPPING OF THE RUGS AND CARPET ON FLOORS AND MATERIALS FOR SAID HOLDERS THEREFOR. L. C. CHASE & COMPANY, Boston, Mass.
Filed January 8, 1923. Serial No. 174,289. PUBLISHED JUNE 5, 1923.

172,669. ARTIFICIAL PATENT AND SUEDE LEATHER AND RUBBER-SURFACE CLOTH. THE CHEMITEX PRODUCTS COMPANY, Akron, Ohio.
Filed January 6, 1923. Serial No. 174,233. PUBLISHED JUNE 5, 1923.

172,670. A GENERAL MEDICINAL TONIC. GEORGE E. BURCHER, doing business as Burcher's Pharmacy, Newport News, Va.
Filed January 3, 1923. Serial No. 174,124. PUBLISHED MAY 22, 1923.

172,671. POULTRY FEED. THE QUAKER OATS COMPANY, Chicago, Ill.
Filed January 2, 1923. Serial No. 174,106. PUBLISHED MAY 15, 1923.

172,672. CERTAIN NAMED MEDICINAL AND TOILET PREPARATIONS. JOHN T. MILLIKEN & COMPANY, doing business as Regent Laboratories, St. Louis, Mo.
Filed January 2, 1923. Serial No. 174,093. PUBLISHED MAY 29, 1923.

172,673. PERFUMES, TOILET WATERS, FACE LOTIONS, FACE CREAMS, FACE POWDERS, ROUGES, AND LIP STICK. LIONEL TRADING CO. INC., New York, N. Y.
Filed January 2, 1923. Serial No. 174,083. PUBLISHED MAY 29, 1923.

172,674. CERTAIN NAMED SHEET METAL CONSTRUCTION MATERIALS. KNAPP BROTHERS MANUFACTURING COMPANY, Chicago, Ill.
Filed January 2, 1923. Serial No. 174,082. PUBLISHED JUNE 5, 1923.

172,675. TOOTH PASTE, WASH, AND DENTIFRICE. ASSOCIATED RADIUM CHEMISTS, INC., New York, N. Y.
Filed July 15, 1922. Serial No. 166,925. PUBLISHED MAY 8, 1923.

172,676. INSECT POWDER. APOLINARS DABRASKY, New York, N. Y.
Filed July 12, 1922. Serial No. 166,769. PUBLISHED MAY 8, 1923.

172,677. HAIR GROWER. ESTELLA STEVENS, doing business as Madame Stevens, Orlando, Fla.
Filed June 17, 1922. Serial No. 165,642. PUBLISHED MAY 8, 1923.

172,678. MEDICINES AND TOILET PREPARATIONS. DOMINICK SWEET, doing business as The Sweet Manufacturing Company, Pittsburgh, Pa., assignor to The Sweet Manufacturing Company, Pittsburgh, Pa., a Corporation of Delaware.
Filed June 1, 1922. Serial No. 164,776. PUBLISHED MAY 8, 1923.

172,679. REPEATING CAP PISTOLS AND CANARY SONGSTERS. VICTORY SPARKLER & SPECIALTY CO., Elkton, Md.
Filed May 25, 1922. Serial No. 164,527. PUBLISHED JANUARY 9, 1923.

172,680. CERTAIN NAMED VETERINARY MEDICINES. GLOBE LABORATORIES, Fort Worth, Tex.
Filed May 12, 1922. Serial No. 163,752. PUBLISHED MAY 29, 1923.

172,681. PHARMACEUTICAL PREPARATIONS FOR CERTAIN PURPOSES. CHEMISCHE FABRIK "NORGINE" DR. VICTOR STEIN, Aussig, Czechoslovakia.
Filed May 1, 1922. Serial No. 163,139. PUBLISHED MAY 8, 1923.

172,682. CERTAIN NAMED BUILDING MATERIALS. LEOLITH PRODUCTS CORPORATION, New York, N. Y.
Filed April 27, 1922. Serial No. 162,995. PUBLISHED JUNE 5, 1923.

172,683. SALVES AND OINTMENTS. CHARLES PATRICK DIXON, doing business as Itis-Real Remedy Company, Kansas City, Kans.
Filed April 20, 1922. Serial No. 162,613. PUBLISHED MAY 29, 1923.

172,684. RAW AND PASTEURIZED MILK, BUTTER, EGGS, AND CHEESE. HENRY N. BRAWNER, Jr., doing business as Chestnut Farms Dairy, Washington, D. C.
Filed March 28, 1922. Serial No. 161,349. PUBLISHED MAY 15, 1923.

172,685. HAIR TONIC, COMPLEXION POWDER, ANTISEPTIC EYE BATH, DEPILATORY, HAIR CLEANSER, AND FOOT POWDER. ISIDOR JACOB SELKOWITZ, doing business as Mirose Laboratories, New York, N. Y.
Filed February 20, 1922. Serial No. 159,628. PUBLISHED MAY 29, 1923.

172,686. BREAD, CAKES, AND PIES. SCHLATER'S, INCORPORATED, Philadelphia, Pa.
Filed February 4, 1922. Serial No. 158,902. PUBLISHED MAY 15, 1923.

172,687. SORE-HEAD REMEDY FOR CHICKENS. THOMAS JEFFERSON KNIGHT, doing business as Knight Drug Co., Plant City, Fla.
Filed February 4, 1922. Serial No. 158,875. PUBLISHED MAY 8, 1923.

172,688. HAIR TONIC. ALBERT L. KANDLE, doing business as Muturo Mfg. Co., Richmond, Va.
Filed January 17, 1922. Serial No. 158,047. PUBLISHED JUNE 5, 1923.

172,689. SHINGLE STRIPS. SIFO PRODUCTS COMPANY, St. Paul, Minn.
Filed November 23, 1921. Serial No. 155,836. PUBLISHED JUNE 5, 1923.

172,690. CERTAIN NAMED TOILET PREPARATIONS. ALLMAN'S CO., Milwaukee, Wis.
Filed November 17, 1921. Serial No. 155,471. PUBLISHED MAY 29, 1923.

172,691. ENVELOPES AND PAPER. EDGAR C. RUWE COMPANY, INC., New York, N. Y.
Filed November 1, 1921. Serial No. 154,889. PUBLISHED JUNE 5, 1923.

172,692. FUEL INTENSIFIER AND CARBON PREVENTIVE FOR INTERNAL-COMBUSTION ENGINES. MCCOMAS & GOODWIN, Los Angeles, Calif., assignors to Vapor Lubricant Company, Los Angeles, Calif., a Corporation of California.
Filed October 20, 1921. Serial No. 154,374. PUBLISHED MAY 8, 1923.

172,693. ALCOHOL FUEL CUBES. REED & BARTON CORPORATION, Taunton, Mass.
Filed April 4, 1921. Serial No. 145,713. PUBLISHED MAY 22, 1923.

172,694. CERTAIN NAMED MUSICAL INSTRUMENTS, PARTS THEREOF, AND SUPPLIES THEREFOR. PHILIPPS AKTIEN-GESELLSCHAFT, Frankfort-on-the-Main, Germany.
Filed July 20, 1920. Serial No. 135,212. PUBLISHED MAY 29, 1923.

172,695. OILS FOR PREPARING SILK, WOOL, AND OTHER FABRICS FOR MANUFACTURE. NEUTRASOL PRODUCTS CORPORATION, New York, N. Y.
Filed March 24, 1923. Serial No. 177,988. PUBLISHED MAY 29, 1923.

172,696. EGG PRODUCER AND POULTRY TONIC. CAROLINA REMEDIES COMPANY, Union, S. C.
Filed March 12, 1923. Serial No. 177,272. PUBLISHED APRIL 17, 1923.

172,697. BENCH GRINDERS. GOODELL-PRATT COMPANY, Greenfield, Mass.
Filed March 7, 1923. Serial No. 177,082. PUBLISHED MAY 29, 1923.

172,698. MITER BOXES. GOODELL-PRATT COMPANY, Greenfield, Mass.
Filed March 3, 1923. Serial No. 176,893. PUBLISHED MAY 29, 1923.

172,699. POLISHING AND GRINDING HEADS. GOODELL-PRATT COMPANY, Greenfield, Mass.
Filed March 2, 1923. Serial No. 176,825. PUBLISHED MAY 29, 1923.

172,700. VALVE GRINDERS. GOODELL-PRATT COMPANY, Greenfield, Mass.
Filed March 2, 1923. Serial No. 176,824. PUBLISHED MAY 29, 1923.

172,701. BENCH VISES. GOODELL-PRATT COMPANY, Greenfield, Mass.
Filed February 28, 1923. Serial No. 176,737. PUBLISHED MAY 29, 1923.

172,702. CHEMICAL FUNGICIDE. STAUFFER CHEMICAL COMPANY, San Francisco, Calif.
Filed February 9, 1923. Serial No. 175,820. PUBLISHED MAY 29, 1923.

172,703. LAXATIVE WAFER. CAPHENIN CHEMICAL COMPANY, Waverly, Iowa.
Filed February 9, 1923. Serial No. 175,768. PUBLISHED MAY 29, 1923.

172,704. SALVES AND OINTMENTS. NOLANCE CHEMICAL COMPANY, New Brookland, S. C.
Filed February 8, 1923. Serial No. 175,729. PUBLISHED MAY 29, 1923.

172,705. COMPACTS FOR FACE POWDERS. THE LOWELL COMPANY, New York, N. Y.
Filed February 7, 1923. Serial No. 175,667. PUBLISHED MAY 29, 1923.

172,706. ANTISEPTIC, ASTRINGENT, AND DEODORANT MOUTH WASH. SAMUEL BLANC, doing business as Blanc Manufacturing Co., Philadelphia, Pa.
Filed February 7, 1923. Serial No. 175,642. PUBLISHED MAY 29, 1923.

172,707. HAIR TONIC. MORRIS H. ASKINN, doing business as Trichitone Laboratories, New York, N. Y.
Filed February 6, 1923. Serial No. 175,593. PUBLISHED MAY 29, 1923.

172,708. ANTIMALARIAL TABLET. F. S. DUFFY, doing business as The F. S. Duffy Medicine Co., New Bern, N. C.
Filed February 5, 1923. Serial No. 175,547. PUBLISHED MAY 15, 1923.

172,709. DIGESTANT COMPOUND. G. A. SWIFT, Selma, Ala.
Filed February 3, 1923. Serial No. 175,531. PUBLISHED MAY 15, 1923.

172,710. TOILET PREPARATIONS. M. SCHOEPFER, Paris, France.
Filed February 3, 1923. Serial No. 175,524. PUBLISHED MAY 15, 1923.

172,711. TOILET CREAMS. HOUBIGANT, INC., New York, N. Y.
Filed February 3, 1923. Serial No. 175,493. PUBLISHED MAY 15, 1923.

172,712. PETROLATUM. STANDARD OIL COMPANY, Whiting, Ind., and Chicago, Ill.
Filed February 1, 1923. Serial No. 175,414. PUBLISHED MAY 15, 1923.

172,713. FINGER-NAIL POLISH, CLEANER, AND TONIC. THE EVANS CHEMICAL WORKS, Portland, Oreg.
Filed February 1, 1923. Serial No. 175,388. PUBLISHED MAY 22, 1923.

172,714. PERFUME, TOILET WATER, AND COMPLEXION POWDER. SOLON PALMER, New York, N. Y.
Filed January 31, 1923. Serial No. 175,368. PUBLISHED MAY 22, 1923.

172,715. CALCIUM CARBIDE. ALUMINIUM-INDUSTRIE-AKTIEN-GESELLSCHAFT, Neuhausen, Switzerland.
Filed January 30, 1923. Serial No. 175,290. PUBLISHED MAY 22, 1923.

172,716. CERTAIN NAMED TOILET PREPARATIONS. V. VIVAUDOU, INC., New York, N. Y.
Filed January 29, 1923. Serial No. 175,284. PUBLISHED MAY 22, 1923.

172,717. CERTAIN NAMED TOILET PREPARATIONS. V. VIVAUDOU, INC., New York, N. Y.
Filed January 29, 1923. Serial No. 175,285. PUBLISHED MAY 22, 1923.

172,718. LEATHER. W. & J. MARTIN, Glasgow, Scotland.
Filed January 26, 1923. Serial No. 175,148. PUBLISHED JUNE 5, 1923.

172,719. HERB TABLETS FOR THE STOMACH, LIVER, BOWELS, AND BLOOD. SHERMAN D. CLEGG, doing business as Vinco Herb Company, Dayton, Ohio.
Filed January 25, 1923. Serial No. 175,070. PUBLISHED MAY 22, 1923.

172,720. HYDROCARBON MATERIALS. R. M. A. CHACON, doing business as The Chacon Trading Company, New York, N. Y.
Filed January 24, 1923. Serial No. 175,000. PUBLISHED JUNE 5, 1923.

172,721. PERFUME, TOILET WATER, SACHET POWDER, AND TALCUM AND FACE POWDERS. WM. H. BROWN & BRO. COMPANY, Baltimore, Md.
Filed January 20, 1923. Serial No. 174,818. PUBLISHED MAY 22, 1923.

172,722. HAIR POMADE. ELIZABETH A. HEITKAMP, St. Louis, Mo.
Filed January 19, 1923. Serial No. 174,777. PUBLISHED MAY 22, 1923.

172,723. OINTMENT FOR THE CURE AND ALLEVIATION OF PILES, PROLAPSE, FISSURE, AND ITCHING AND IRRITATION DUE THERETO. ALLAN O. MOLATCH, New York, N. Y.
Filed January 18, 1923. Serial No. 174,745. PUBLISHED MAY 22, 1923.

172,724. INSECT POWDERS OR INSECTICIDES. NASSER AND COLEMAN COMPANY, Cleveland, Ohio.
Filed January 18, 1923. Serial No. 174,744. PUBLISHED MAY 22, 1923.

172,725. FACE LOTION. D. PEPPLE AND CO., Bainbridge, Ohio.
Filed January 16, 1923. Serial No. 174,669. PUBLISHED MAY 15, 1923.

172,726. SHAMPOO. GRAHAM BROS. SOAP COMPANY, Chicago, Ill.
Filed January 13, 1923. Serial No. 174,574. PUBLISHED MAY 22, 1923.

172,727. SHAMPOO. GRAHAM BROS. SOAP COMPANY, Chicago, Ill.
Filed January 13, 1923. Serial No. 174,573. PUBLISHED MAY 22, 1923.

172,728. HYPNOTIC MEDICINES. HENRY K. WAMPOLE AND COMPANY, INCORPORATED, Philadelphia, Pa.
Filed January 12, 1923. Serial No. 174,547. PUBLISHED MAY 22, 1923.

172,729. HÆMOGLOBIN SCALES. THEODOR WALDEMAR TALLQVIST, Helsingfors, Finland.
Filed January 12, 1923. Serial No. 174,542. PUBLISHED MAY 29, 1923.

172,730. CHENOPODIUM OIL. GROWERS DISTILLING CO., Woodbine, Md.
Filed January 12, 1923. Serial No. 174,519. PUBLISHED MAY 22, 1923.

172,731. LIP PASTE AND LIP PENCILS. FLORENCE N. LEWIS, doing business as Elizabeth Arden, New York, N. Y.
Filed January 11, 1923. Serial No. 174,470. PUBLISHED MAY 22, 1923.

172,732. ROUGE AND POWDER. FLORENCE N. LEWIS, doing business as Elizabeth Arden, New York, N. Y.
Filed January 11, 1923. Serial No. 174,469. PUBLISHED MAY 22, 1923.

172,733. OINTMENT. J. W. ONEAL CHEMICAL CO., Adena, Ohio.
Filed January 6, 1923. Serial No. 174,257. PUBLISHED MAY 22, 1923.

172,734. CAUSTIC SODA, GRANULATED LYE, AND CHLORINATED LIME. HOOKER ELECTROCHEMICAL COMPANY, Niagara Falls, N. Y.
Filed September 25, 1922. Serial No. 169,903. PUBLISHED APRIL 24, 1923.

172,735. MEDICINAL PREPARATIONS FOR CERTAIN NAMED AILMENTS. JOHN G. FAMBACH, Cleveland, Ohio.
Filed September 25, 1922. Serial No. 169,895. PUBLISHED MAY 22, 1923.

172,736. CAKE AND PASTRY MIXTURE. S. W. NOGGLE, doing business as The S. W. Noggle Company, Kansas City, Mo.
Filed September 21, 1922. Serial No. 169,774. PUBLISHED MAY 1, 1923.

172,737. TOILET POWDERS AND HANDKERCHIEF EXTRACTS. PERFUMERIA GAL, SOCIEDAD ANONIMA, Madrid, Spain.
Filed September 13, 1922. Serial No. 169,418. PUBLISHED APRIL 17, 1923.

172,738. SELF-RISING FLOUR. ATLANTA MILLING CO., Atlanta, Ga.
Filed September 12, 1922. Serial No. 169,345. PUBLISHED FEBRUARY 27, 1923.

172,739. MEDICINAL PRODUCTS FOR TREATING NEURALGIC AND CONVULSIVE AFFECTIONS. C. A. F. KAHLBAUM CHEMISCHE FABRIK GESELLSCHAFT MIT BESCHRÄNKTER HAFTUNG, Adlershof-Berlin, Germany.
Filed September 1, 1922. Serial No. 168,973. PUBLISHED APRIL 24, 1923.

172,740. MEDICINAL PRODUCTS FOR TREATING GOUTY, RHEUMATIC, NEURALGIC, AND MIGRAINE AFFECTIONS. C. A. F. KAHLBAUM CHEMISCHE FABRIK GESELLSCHAFT MIT BESCHRÄNKTER HAFTUNG, Adlershof-Berlin, Germany.
Filed September 1, 1922. Serial No. 168,972. PUBLISHED APRIL 24, 1923.

172,741. CHEMICAL PREPARATION FOR PREVENTING THE FURTHER TEARING AND RIPPING OF HOSIERY. FANNIE HEITEL, New York, N. Y.
Filed August 25, 1922. Serial No. 168,680. PUBLISHED MAY 29, 1923.

172,742. VANISHING FACE CREAM AND COLD CREAM. RODOLFO FLORES, doing business as Sana-Cutis (Chemical) Co., Sedalia, Mo.
Filed August 18, 1922. Serial No. 168,408. PUBLISHED MAY 15, 1923.

172,743. HORSE AND MULE FEED. THE STURGES COMPANY, Meridian, Miss.
Filed August 10, 1922. Serial No. 168,079. PUBLISHED MAY 1, 1923.

172,744. REMEDY TO BE USED AS A SEDATIVE OR HYPNOTIC. FARBENFABRIKEN VORM. FRIEDR. BAYER & Co., Leverkusen, near Cologne on the Rhine, Germany.
Filed August 9, 1922. Serial No. 167,976. PUBLISHED DECEMBER 26, 1922.

172,745. TOILET CREAM. LESLIE I. COGGINS, San Francisco, Calif.
Filed August 9, 1922. Serial No. 167,972. PUBLISHED APRIL 24, 1923.

172,746. AUTOGENOUS PRODUCT IN THE NATURE OF URINE VACCINE. T. WILSON DEACHMAN, Chicago, Ill.
Filed August 7, 1922. Serial No. 167,868. PUBLISHED MAY 15, 1923.

172,747. GENERAL GROCERIES. FRIEND BROTHERS, Melrose, Mass.
Filed July 28, 1922. Serial No. 167,518. PUBLISHED MAY 1, 1923.

172,748. ANT MATS AND CONTAINERS SOLD TO THE TRADE IN COMBINATION ONLY. PLENGE'S PHARMACY, INC., Charleston, S. C.
Filed July 8, 1922. Serial No. 166,605. PUBLISHED MAY 29, 1923.

172,749. STOCK AND POULTRY FEED. THOMAS-BOYCE DIRECT FEED COMPANY, Attica, N. Y.
Filed June 22, 1922. Serial No. 165,895. PUBLISHED MAY 1, 1923.

172,750. WHEAT FLOUR. DANIEL HECHT, doing business as D. Hecht & Co., San Francisco, Calif.
Filed June 22, 1922. Serial No. 165,871. PUBLISHED MAY 1, 1923.

172,751. INSECTICIDE. WALNUT GROWERS SPRAY MANUFACTURING COMPANY, Los Angeles, Calif.
Filed June 12, 1922. Serial No. 165,435. PUBLISHED MAY 22, 1923.

172,752. HAARLEM OIL IN CAPSULES. H. PLANTEN & SON, INC., Brooklyn, N. Y.
Filed June 8, 1922. Serial No. 165,204. PUBLISHED MAY 22, 1923.

172,753. CERTAIN NAMED CHEMICAL SUBSTANCES. TYPKE & KING, LTD., Mitcham Common, Surrey, England.
Filed June 7, 1922. Serial No. 165,168. PUBLISHED APRIL 24, 1923.

172,754. BOYS' SPORT CAPS. J. KAUFMAN SONS, New York, N. Y.
Filed February 3, 1923. Serial No. 175,499. PUBLISHED JUNE 5, 1923.

172,755. DRESSED POULTRY AND EGGS. CRETH J. LOYD, doing business as C. J. Loyd & Co., Greensburg, Ind.
Filed January 29, 1923. Serial No. 175,255. PUBLISHED JUNE 5, 1923.

172,756. WHEAT FLOUR. HECKER-JONES-JEWELL MILLING COMPANY, New York, N. Y.
Filed January 29, 1923. Serial No. 175,241. PUBLISHED JUNE 5, 1923.

172,757. WHEAT FLOUR. HOLLAND O'NEAL MILLING CO., Mount Vernon and Springfield, Mo.
Filed January 25, 1923. Serial No. 175,102. PUBLISHED JUNE 5, 1923.

172,758. WHEAT FLOUR. NEBRASKA MILL & ELEVATOR CO., North Platte, Nebr.
Filed January 25, 1923. Serial No. 175,100. PUBLISHED JUNE 5, 1923.

172,759. WHEAT FLOUR. THE MIDLAND FLOUR MILLING CO., Kansas City, Mo.
Filed January 25, 1923. Serial No. 175,095. PUBLISHED JUNE 5, 1923.

172,760. POULTRY FEED. THE QUAKER OATS COMPANY, Chicago, Ill.
Filed January 22, 1923. Serial No. 174,921. PUBLISHED JUNE 5, 1923.

172,761. WHEAT FLOUR. THE QUAKER OATS COMPANY, Chicago, Ill.
Filed January 22, 1923. Serial No. 174,920. PUBLISHED JUNE 5, 1923.

172,762. SILK PIECE GOODS. SUSQUEHANNA SILK MILLS, New York, N. Y.
Filed January 20, 1923. Serial No. 174,868. PUBLISHED APRIL 17, 1923.

172,763. BUTTER. THE GREAT ATLANTIC AND PACIFIC TEA COMPANY, Jersey City, N. J.
Filed January 19, 1923. Serial No. 174,776. PUBLISHED JUNE 5, 1923.

172,764. CEREAL BREAKFAST FOOD. THE BATTLE CREEK FOOD COMPANY, Battle Creek, Mich.
Filed January 18, 1923. Serial No. 174,722. PUBLISHED JUNE 5, 1923.

172,765. WHEAT FLOUR. NORTHFIELD FLOUR MILLS COMPANY, Northfield, Minn.
Filed January 15, 1923. Serial No. 174,630. PUBLISHED JUNE 5, 1923.

172,766. CANDY—NAMELY, CHOCOLATES. TACOMA BISCUIT & CANDY COMPANY, Tacoma, Wash.
Filed January 13, 1923. Serial No. 174,600. PUBLISHED JUNE 5, 1923.

172,767. FLOURS—NAMELY, WHEAT AND SEMOLINAS. L. & E. FRENKEL, INC., New York, N. Y.
Filed January 11, 1923. Serial No. 174,433. PUBLISHED JUNE 5, 1923.

172,768. ROLLED OATS AND WHEAT FOOD. THE QUAKER OATS COMPANY, Chicago, Ill.
Filed January 8, 1923. Serial No. 174,335. PUBLISHED JUNE 5, 1923.

172,769. CHEESE AND PRESERVED CHEESE OF SWISS ORIGIN. MAUERHOFER SÖHNE & Co., Trubschachen, near Langnau, Switzerland.
Filed December 28, 1922. Serial No. 173,936. PUBLISHED JUNE 5, 1923.

172,770. FRESH APPLES. OTIS ORCHARDS APPLE COMPANY, Otis Orchards, Wash.
Filed December 15, 1922. Serial No. 173,361. PUBLISHED JUNE 5, 1923.

172,771. MANUALLY-OPERATED DISH-WASHING MACHINES. THE HICKS CORPORATION, Pittsburgh, Pa.
Filed December 15, 1922. Serial No. 173,335. PUBLISHED JUNE 5, 1923.

172,772. PREPARATION FOR RELIEF OF COLDS, COUGHS, AND KINDRED IRRITATIONS. JOHN T. JONES, doing business as Jones Remedy Co., Grass Valley, Calif.
Filed December 6, 1922. Serial No. 172,993. PUBLISHED JULY 10, 1923.

172,773. ASPHALT ROOFING, SLATE SURFACED AND TALC SURFACED. MOONEY, DOUGLAS & PEARSON, INC., New York, N. Y.
Filed November 24, 1922. Serial No. 172,486. PUBLISHED JUNE 5, 1923.

172,774. CERTAIN NAMED RAW AND COOKED FOODS. JOHN G. PATTON, doing business as Cafe L'Aiglon, Philadelphia, Pa.
Filed February 5, 1917. Serial No. 101,176. PUBLISHED JUNE 5, 1923.

172,775. MOLDED RUBBER HEELS AND SOLES, FIBER SOLES AND HEELS; RUBBER, FIBER, AND FABRIC SHOES; AND RUBBER AND FIBER TOP LIFTS. BENJAMIN F. CHAMBERLIN, doing business as B. F. Chamberlin, Boston, Mass.
Filed January 5, 1921. Serial No. 141,855. PUBLISHED JUNE 5, 1923.

172,776. MOLDED RUBBER HEELS AND SOLES, FIBER SOLES AND HEELS; RUBBER, FIBER, AND FABRIC SHOES; AND RUBBER AND FIBER TOP LIFTS. BENJAMIN F. CHAMBERLIN, doing business as B. F. Chamberlin, Boston, Mass.
Filed January 5, 1921. Serial No. 141,856. PUBLISHED JUNE 5, 1923.

172,777. CERTAIN NAMED CHEMICAL AND MEDICINAL PREPARATIONS. TETRALIN-GESELLSCHAFT MIT BESCHRÄNKTER HAFTUNG, Berlin, Germany.
Filed January 10, 1921. Serial No. 142,042. PUBLISHED JUNE 5, 1923.

172,778. EYEGLASSES. MOVIGLASS COMPANY, Milford, Mass.
Filed February 26, 1921. Serial No. 144,095. PUBLISHED JUNE 5, 1923.

172,779. LOCKS. AMERICAN LOCK MANUFACTURING CO., Chicago, Ill., assignor, by mesne assignments, to John Junkung, Chicago, Ill.
Filed November 12, 1921. Serial No. 155,292. PUBLISHED JUNE 5, 1923.

172,780. CANNED EVAPORATED MILK. CARL A. BAUMANN, doing business as Lake Mills Milk Company, Jefferson, Wis.
Filed November 21, 1921. Serial No. 155,661. PUBLISHED JUNE 5, 1923.

172,781. CHEWING GUM. THE GOUDEY GUM COMPANY, Boston, Mass.
Filed November 28, 1921. Serial No. 156,001. PUBLISHED JUNE 5, 1923.

172,782. LANTERN SLIDES. FREDERICK ADOLF APPELBAUM, New York, N. Y.
Filed January 23, 1922. Serial No. 158,280. PUBLISHED JUNE 5, 1923.

172,783. CHILDREN'S CLOTHING. SHOTWELL'S INC., Houston, Tex.
Filed January 24, 1922. Serial No. 158,403. PUBLISHED JUNE 5, 1923.

172,784. CAPS FOR MEN, WOMEN, OR CHILDREN, AND APRONS MADE OF CLOTH. BROWN & BIGELOW, St. Paul, Minn.
Filed March 16, 1922. Serial No. 160,743. PUBLISHED JUNE 5, 1923.

172,785. CERTAIN NAMED FOODS AND INGREDIENTS. H. A. TUCKETT COMPANY, Salt Lake City, Utah.
Filed April 10, 1922. Serial No. 162,075. PUBLISHED JUNE 5, 1923.

172,786. CANDY. THE OHIO CONFECTION COMPANY, Cleveland, Ohio.
Filed April 22, 1922. Serial No. 162,763. PUBLISHED JUNE 5, 1923.

172,787. CLEANING AND POLISHING COMPOSITION FOR FURNITURE, WOODWORK, AND ALL PAINTED, VARNISHED, AND ENAMELED SURFACES. THOMAS POOLE MAYNARD, doing business as The Evershine Company, Atlanta, Ga.
Filed May 24, 1922. Serial No. 164,447. PUBLISHED DECEMBER 19, 1922.

172,788. FRESH GRAPES AND CANTALOUPES. BEN H. ARKELIAN & Co., Fresno, Calif.
Filed May 25, 1922. Serial No. 164,482. PUBLISHED JUNE 5, 1923.

172,789. PUMPS, INCLUDING HYDRAULIC RAMS. THE DEMING COMPANY, Salem, Ohio.
Filed February 12, 1923. Serial No. 175,923. PUBLISHED JUNE 5, 1923.

172,790. RADIO APPARATUS AND PARTS THEREOF. THE SAYRE-LEVEL RADIO COMPANY, Philadelphia, Pa.
Filed February 8, 1923. Serial No. 175,740. PUBLISHED JUNE 5, 1923.

172,791. HAIR TONIC. LEANDER A. LEA, Bossier, La.
Filed February 3, 1923. Serial No. 175,503. PUBLISHED JUNE 5, 1923.

172,792. TOILET AND PHARMACEUTICAL PREPARATIONS. SUSANNA COCROFT LABORATORIES INC., New York, N. Y.
Filed February 3, 1923. Serial No. 175,467. PUBLISHED JUNE 5, 1923.

172,793. LOTIONS FOR THE TREATMENT OF THE SKIN. FLORA HOLMES SHOEMAKER, doing business as The Frostilla Company, Elmira, N. Y.
Filed January 12, 1923. Serial No. 175,451. PUBLISHED JUNE 5, 1923.

172,794. DISINFECTANTS. WM. MCDONAGH & SONS, New York, N. Y.
Filed February 1, 1923. Serial No. 175,403. PUBLISHED JUNE 5, 1923.

172,795. MEN'S AND BOYS' HEADWEAR—VIZ, HATS AND CAPS. SCRANTON CAP MANUFACTURING COMPANY, Scranton, Pa.
Filed January 27, 1923. Serial No. 175,214. PUBLISHED JUNE 5, 1923.

172,796. PEARLS AND ARTIFICIAL PEARLS. JOSEPH FLASHNER, doing business as Hirsch & Flashner, New York, N. Y.
Filed January 26, 1923. Serial No. 175,138. PUBLISHED JUNE 5, 1923.

172,797. WATCHES AND WATCHCASES. THE EDELSTEIN COMPANY, New York, N. Y.
Filed January 22, 1923. Serial No. 174,895. PUBLISHED JUNE 5, 1923.

172,798. CLEANSER, DISINFECTANT, AND DEODORIZER. UNITED CHEMICAL COMPANIES, Kansas City, Mo.
Filed January 12, 1923. Serial No. 174,546. PUBLISHED JUNE 5, 1923.

172,799. WINDMILLS, ENGINES, PUMPS, AND FEED GRINDERS. CHALLENGE COMPANY, Batavia, Ill.
Filed January 18, 1923. Serial No. 174,724. PUBLISHED JUNE 5, 1923.

172,800. NECKTIES. BENJAMIN WEISBERG, Philadelphia, Pa.
Filed January 11, 1923. Serial No. 174,502. PUBLISHED JUNE 5, 1923.

172,801. WHEAT FLOUR. THE QUAKER OATS COMPANY, Chicago, Ill.
Filed January 2, 1923. Serial No. 174,107. PUBLISHED MAY 15, 1923.

172,802. WATCHES, CLOCKS, CHRONOMETERS, AND PARTS FOR SAME. ABRAHAM BURNSTINE, Washington, D. C.
Filed November 28, 1922. Serial No. 172,632. PUBLISHED JUNE 5, 1923.

172,803. DETECTOR CRYSTALS USED IN WIRELESS RECEIVING SETS. EDWARD REESE, doing business as Standard Crystal Company, Newark, N. J.
Filed November 24, 1922. Serial No. 172,494. PUBLISHED JUNE 5, 1923.

172,804. CERTAIN NAMED COOKING UTENSILS. MAJESTIC MANUFACTURING COMPANY, St. Louis, Mo.
Filed September 9, 1921. Serial No. 152,763. PUBLISHED JUNE 5, 1923.

172,805. SALAD DRESSING, MAYONNAISE, TARTAR SAUCE, MUSTARD, OLIVE PIMENTO MAYONNAISE, MARMALADE, PICCALILLI, HORSE-RADISH, AND MUSTARD PICKLES. DAINTY MAID COMPANY, Somerville, Mass.
Filed July 8, 1921. Serial No. 150,138. PUBLISHED JUNE 5, 1923.

172,806. SOLDER. WELDENE MANUFACTURING COMPANY, Chicago, Ill.
Filed June 11, 1921. Serial No. 149,048. PUBLISHED JUNE 5, 1923.

172,807. MANILA ROPE. TUBBS CORDAGE COMPANY, San Francisco, Calif.
Filed February 2, 1921. Serial No. 143,107. PUBLISHED JUNE 21, 1921.

172,808. ELECTRIC WELDING MACHINES AND PARTS THEREOF AND ELECTRIC TOOLS FOR WELDING PURPOSES AND PARTS THEREOF. A-I MANUFACTURING CO., Bradford, England.
Filed November 20, 1919. Serial No. 125,101. PUBLISHED JUNE 5, 1923.

172,809. CERTAIN NAMED TOILET PREPARATIONS. HENRI RIGAUD, doing business as Rigaud, Paris, France, and New York, N. Y.
Filed January 24, 1923. Serial No. 175,025. PUBLISHED JUNE 5, 1923.

172,810. CANNED VEGETABLES. JOHN R. THOMPSON CO., Chicago, Ill.
Filed January 24, 1923. Serial No. 175,031. PUBLISHED JUNE 5, 1923.

172,811. LOAVES OF WHEAT BREAD. THE JAY BURNS BAKING COMPANY, Omaha, Nebr.
Filed April 27, 1922. Serial No. 162,980. PUBLISHED APRIL 3, 1923.

172,812. DAIRY FEED. THE ALBERT DICKINSON COMPANY, Chicago, Ill.
Filed January 25, 1923. Serial No. 175,074. PUBLISHED JUNE 5, 1923.

172,813. BIOTHERAPEUTIC AND OPOTHERAPEUTIC PRODUCTS IN AMPOULE AND PILL FORM. ALFRED B. ADAMS, New York, N. Y.
Filed February 14, 1923. Serial No. 176,004. PUBLISHED JUNE 5, 1923.

172,814. BIOTHERAPEUTIC AND OPOTHERAPEUTIC PRODUCTS IN AMPOULE AND PILL FORM. ALFRED B. ADAMS, New York, N. Y.
Filed February 14, 1923. Serial No. 176,005. PUBLISHED JUNE 5, 1923.

172,815. SHOES OF LEATHER, FABRIC, AND RUBBER, LEATHER AND RUBBER, AND LEATHER AND FABRIC. THE A. E. PITTS SHOE CO., Columbus, Ohio.
Filed November 23, 1922. Serial No. 172,438. PUBLISHED JUNE 5, 1923.

172,816. SHOES OF LEATHER, FABRIC, AND RUBBER, LEATHER AND RUBBER, AND LEATHER AND FABRIC. THE A. E. PITTS SHOE CO., Columbus, Ohio.
Filed November 23, 1922. Serial No. 172,437. PUBLISHED JUNE 5, 1923.

172,817. EGGS, BUTTER, LIVE AND DRESSED POULTRY, AND PECANS, SHELLED AND UNSHELLED. THE PETER COMPANY, Houston, Tex.
Filed November 23, 1922. Serial No. 172,434. PUBLISHED MAY 8, 1923.

172,818. SHOES OF LEATHER, FABRIC, AND RUBBER, LEATHER AND RUBBER, AND LEATHER AND FABRIC. THE A. E. PITTS SHOE CO., Columbus, Ohio.
Filed November 23, 1922. Serial No. 172,436. PUBLISHED JUNE 5, 1923.

172,819. TYPEWRITING MACHINES AND PARTS THEREOF AND MECHANICAL COPYING MACHINES. FABRIK STOLZENBERG DEUTSCHE BUREAU-EINRICHTUNGS-GESELLSCHAFT MIT BESCHRANKTER HAFTUNG, Oos, Germany.
Filed November 14, 1922. Serial No. 171,988. PUBLISHED JUNE 5, 1923.

172,820. RAZOR BLADES. SANDVIKSTAHL G. M. B. H., Ohligs, Germany.
Filed October 26, 1922. Serial No. 171,243. PUBLISHED JUNE 5, 1923.

172,821. LEATHER SHOES AND STORM RUBBERS FOR MEN, WOMEN, AND CHILDREN. O. FUHRMAN, INC., New York, N. Y.
Filed October 6, 1922. Serial No. 170,741. PUBLISHED JUNE 5, 1923.

172,822. LIVE CHICKENS. LOUP VALLEY HATCHERY, St. Paul and Cushing, Nebr.
Filed September 30, 1922. Serial No. 170,146. PUBLISHED MAY 1, 1923.

172,823. CANDY. SISCO BROS. CANDY CO., Chicago, Ill.
Filed August 19, 1922. Serial No. 168,493. PUBLISHED APRIL 24, 1923.

172,824. WHEAT FLOUR. BLACK BROS. FLOUR MILLS, Beatrice, Nebr.
Filed August 2, 1922. Serial No. 167,703. PUBLISHED JUNE 5, 1923.

172,825. CERTAIN NAMED WIRELESS APPARATUS. WM. J. MURDOCK CO., Chelsea, Mass.
Filed July 27, 1922. Serial No. 167,482. PUBLISHED JUNE 5, 1923.

172,826. CHEMICAL CARBON REMOVER FOR INTERNAL-COMBUSTION ENGINES. EASTERN AUTO PRODUCTS CO., Providence, R. I.
Filed July 19, 1922. Serial No. 167,076. PUBLISHED JUNE 5, 1923.

172,827. CAKES AND BREAD. ATLAS BAKING COMPANY, Chicago, Ill.
Filed July 10, 1922. Serial No. 166,623. PUBLISHED MAY 15, 1923.

172,828. SAFETY RAZORS AND BLADES THEREOF. JAMES ALEX DENBY WATT, London, England.
Filed July 11, 1922. Serial No. 166,758. PUBLISHED JUNE 5, 1923.

172,829. AUTOMOBILE BUMPERS AND PARTS THEREFOR. QUINN READE MOTOR VEHICLE FENDER CO., Quebec, Quebec, Canada, and New York, N. Y.
Filed June 21, 1922. Serial No. 165,821. PUBLISHED JUNE 5, 1923.

172,830. RADIO SETS AND PARTS THEREOF. WASHINGTON RADIO CORP., Washington, D. C.
Filed May 27, 1922. Serial No. 164,617. PUBLISHED JUNE 5, 1923.

172,831. BREAD. DUNNING S. WILSON, M. D., French Lick, Ind.
Filed June 5, 1922. Serial No. 165,050. PUBLISHED MAY 8, 1923.

172,832. MEDICINAL WATER. CHRISTOPHER MAGEE, JR., administrator of the estate of Julia V. H. Magee, doing business as Park Hotel and Bath, Magnetic Springs, Ohio.
Filed March 30, 1922. Serial No. 161,493. PUBLISHED MAY 29, 1923.

172,833. EUCALYPTUS REMEDIES FOR INTERNAL AND EXTERNAL USES FOR COLDS, CATARRH, AND RHEUMATISM. NORMAN C. HERON, doing business as N. C. Heron Co., Los Angeles, Calif.
Filed March 27, 1922. Serial No. 161,312. PUBLISHED JUNE 5, 1923.

172,834. THREADS. MANUFACTURERS SUPPLIES COMPANY, St. Louis, Mo.
Filed January 30, 1922. Serial No. 158,632. PUBLISHED JUNE 5, 1923.

172,835. WOOLEN PIECE GOODS. FORSTMANN & HUFFMANN COMPANY, Passaic, N. J.
Filed April 11, 1923. Serial No. 178,989. PUBLISHED JUNE 5, 1923.

172,836. WOOLEN PIECE GOODS. ROBERT H. LINTON, New York, N. Y.
Filed April 10, 1923. Serial No. 178,930. PUBLISHED JUNE 5, 1923.

172,837. HAND-DECORATED SILK AND VELVET GOODS IN THE PIECE. CLARE E. GARRATT, New York, N. Y.
Filed April 10, 1923. Serial No. 178,915. PUBLISHED JUNE 5, 1923.

172,838. HARDENED AND TEMPERED STEEL BANDS USED AS A SUBSTITUTE FOR RUBBER, TEXTILE, AND LEATHER BELTS. SANDVIKENS JERNVERKS AKTIEBOLAG, Sandviken, Sweden.
Filed April 9, 1923. Serial No. 178,873. PUBLISHED JUNE 5, 1923.

172,839. COAL, WOOD, AND GAS COOKING AND HEATING STOVES AND RANGES; COAL-BURNING FURNACES, AND GAS AND COAL HOT-WATER HEATERS. THE KEELEY STOVE COMPANY, Columbia, Pa.
Filed March 31, 1923. Serial No. 178,393. PUBLISHED JUNE 5, 1923.

172,840. ROUGE OR POWDER. FLORENCE N. LEWIS, doing business as Elizabeth Arden, New York, N. Y.
Filed March 22, 1923. Serial No. 177,856. PUBLISHED JUNE 5, 1923.

172,841. BED SHEETS AND SPREADS AND PILLOW-CASES. SCHINDEL & MCDANIELS, New York, N. Y.
Filed March 15, 1923. Serial No. 177,521. PUBLISHED JUNE 5, 1923.

172,842. MEN'S, WOMEN'S, CHILDREN'S, AND INFANTS' UNDERWEAR OF TEXTILE FABRICS. THE SALT'S TEXTILE MANUFACTURING COMPANY, Bridgeport, Conn., and New York, N. Y.
Filed August 17, 1922. Serial No. 168,376. PUBLISHED JUNE 5, 1923.

172,843. CERTAIN YARN AND THREAD. BERNHARD ULMANN CO. INC., New York, N. Y.
Filed March 14, 1923. Serial No. 177,421. PUBLISHED JUNE 5, 1923.

172,844. MERCERIZED COTTON PONGEE IN THE PIECE. THE MURRAY TRADING CO., INC., New York, N. Y.
Filed March 3, 1923. Serial No. 176,908. PUBLISHED MAY 29, 1923.

172,845. PEARL NECKLACES. ROTHSCHILD & COMPANY, Chicago, Ill.
Filed February 23, 1923. Serial No. 176,503. PUBLISHED MAY 29, 1923.

172,846. SERGE USUALLY SOLD BY THE PIECE. HARRY MITCHELL, Chicago, Ill.
Filed February 23, 1923. Serial No. 176,492. PUBLISHED JUNE 5, 1923.

172,847. CRETONNES IN THE PIECE. GRAFFIN & DOLSON, New York, N. Y.
Filed February 23, 1923. Serial No. 176,462. PUBLISHED JUNE 5, 1923.

172,848. YARNS FOR KNITTING, CROCHETING, AND ART NEEDLEWORK. BERNHARD ULMANN CO. INC., New York, N. Y.
Filed February 20, 1923. Serial No. 176,380. PUBLISHED JUNE 5, 1923.

172,849. YARNS FOR KNITTING, CROCHETING, AND ART NEEDLEWORK. BERNHARD ULMANN CO. INC., New York, N. Y.
Filed February 20, 1923. Serial No. 176,378. PUBLISHED JUNE 5, 1923.

172,850. HYPODERMIC SOLUTIONS IN GLASS CONTAINERS OR AMPOULES. PARKE, DAVIS & COMPANY, Detroit, Mich.
Filed February 20, 1923. Serial No. 176,361. PUBLISHED JUNE 5, 1923.

172,851. FACE POWDER. THE PALMOLIVE COMPANY, Milwaukee, Wis.
Filed February 12, 1923. Serial No. 175,942. PUBLISHED JUNE 5, 1923.

172,852. MEDICINAL PREPARATIONS FOR CERTAIN USES. COLE CHEMICAL COMPANY, St. Louis, Mo.
Filed February 9, 1923. Serial No. 175,770. PUBLISHED JUNE 5, 1923.

172,853. SILVER-PLATED FLATWARE, SILVER-PLATED TABLEWARE, AND SILVER-PLATED CUTLERY. ONEIDA COMMUNITY, LIMITED, Oneida, N. Y.
Filed February 8, 1923. Serial No. 175,731. PUBLISHED MAY 29, 1923.

172,854. TOILET AND PHARMACEUTICAL PREPARATIONS. GEORGE WEBSTER JENNINGS, Chicago, Ill.
Filed February 7, 1923. Serial No. 175,658. PUBLISHED JUNE 5, 1923.

172,855. WOOLEN FABRICS. WILLIAM H. STEWART, New York, N. Y.
Filed February 6, 1923. Serial No. 175,629. PUBLISHED JUNE 5, 1923.

172,856. MEN'S, WOMEN'S, CHILDREN'S, AND INFANTS' UNDERWEAR OF TEXTILE FABRIC. THE SALT'S TEXTILE MANUFACTURING COMPANY, Bridgeport, Conn., and New York, N. Y.
Filed August 17, 1922. Serial No. 168,379. PUBLISHED JUNE 5, 1923.

172,857. MEN'S, WOMEN'S, CHILDREN'S, AND INFANTS' UNDERWEAR OF TEXTILE FABRIC. THE SALT'S TEXTILE MANUFACTURING COMPANY, Bridgeport, Conn., and New York, N. Y.
Filed August 17, 1922. Serial No. 168,380. PUBLISHED JUNE 5, 1923.

172,858. ARTIFICIAL-VANILLA FLAVORING COMPOUND FOR CANDIES, CAKES, PIES, PUDDINGS, AND ICE CREAM. CLAUDE A. BELL, Tyngsboro, Mass.
Filed September 7, 1922. Serial No. 169,148. PUBLISHED JUNE 5, 1923.

172,859. GIRLS' COATS—NAMELY, OVERCOATS AND CAPES. NEW YORK GIRL COAT CO., New York, N. Y.
Filed September 15, 1922. Serial No. 169,491. PUBLISHED JUNE 5, 1923.

172,860. TALKING MACHINES AND TALKING-MACHINE RECORDS. SOCIETA ITALIANA DI FONOTIPIA, Milan, Italy.
Filed September 28, 1922. Serial No. 170,045. PUBLISHED JUNE 5, 1923.

172,861. DRESSES. SHAPERO, LEWIS & CO., New York, N. Y.
Filed October 10, 1922. Serial No. 170,551. PUBLISHED JUNE 5, 1923.

172,862. CERTAIN NAMED CHEMICAL AND TOILET PREPARATIONS. FRANÇOIS LIBISCH, Paris, France.
Filed October 20, 1922. Serial No. 170,982. PUBLISHED JUNE 5, 1923.

172,863. STRINGS FOR VIOLINS AND SIMILAR MUSICAL INSTRUMENTS. MAX SELBACH, Pforzheim-Dillstein, Germany.
Filed October 27, 1922. Serial No. 171,287. PUBLISHED JUNE 5, 1923.

172,864. SALAD DRESSINGS, MAYONNAISE DRESSINGS, HORSE-RADISH RELISHES, AND MUSTARD RELISHES. QUALITY SPECIALTY COMPANY, Worcester, Mass.
Filed November 22, 1922. Serial No. 172,393. PUBLISHED JUNE 5, 1923.

172,865. WORK SHIRTS. THE JAY GARMENT COMPANY, Portland, Ind.
Filed December 2, 1922. Serial No. 172,839. PUBLISHED JUNE 5, 1923.

172,866. MOVING-ADVERTISEMENT PROJECTION MACHINES. AMERICAN MOTORSIGN COMPANY, Cincinnati, Ohio.
Filed December 6, 1922. Serial No. 172,971. PUBLISHED JUNE 5, 1923.

172,867. DRIED FRUITS. C. C. HALL INC., Rochester, N. Y.
Filed December 16, 1922. Serial No. 173,421. PUBLISHED JUNE 5, 1923.

172,868. SHOE BRUSHES. PARKS & PARKS, INC., Troy, N. Y.
Filed December 18, 1922. Serial No. 173,527. PUBLISHED JUNE 5, 1923.

172,869. SHOE BRUSHES. PARKS & PARKS, INC., Troy, N. Y.
Filed December 18, 1922. Serial No. 173,529. PUBLISHED JUNE 5, 1923.

172,870. CERTAIN NAMED FOOD PRODUCT. H. L. HULBURT, doing business as California Jely-Juce Company, San Jose and Santa Clara, Calif.
Filed December 21, 1922. Serial No. 173,648. PUBLISHED JUNE 5, 1923.

172,871. CANNED FISH, FRUIT, AND VEGETABLES. A. F. KITTLE, doing business as A. F. Kittle & Co., Los Angeles, Calif.
Filed December 23, 1922. Serial No. 173,772. PUBLISHED JUNE 5, 1923.

172,872. SIRUP FOR TABLE PURPOSES. D. B. SCULLY SYRUP COMPANY, Chicago, Ill.
Filed December 23, 1922. Serial No. 173,786. PUBLISHED JUNE 5, 1923.

172,873. CANNED GOODS—NAMELY, PEAS. CENTRAL WISCONSIN CANNERIES, Beaver Dam, Wis.
Filed December 26, 1922. Serial No. 173,807. PUBLISHED JUNE 5, 1923.

172,874. HOSIERY. ABRAM C. HULSE, Jr., New York, N. Y.
Filed January 2, 1923. Serial No. 174,080. PUBLISHED JUNE 5, 1923.

172,875. EXTERNAL REMEDIES FOR SKIN DISEASES, MORE PARTICULARLY ECZEMA, PIMPLES, BLACKHEADS, AND ITCH. AMORE DRUG & CHEMICAL COMPANY, New York, N. Y.
Filed February 13, 1923. Serial No. 175,977. PUBLISHED MAY 29, 1923.

172,876. CERTAIN NAMED TOILET PREPARATIONS. PERCY E. PAGE, New York, N. Y.
Filed February 12, 1923. Serial No. 175,941. PUBLISHED MAY 29, 1923.

172,877. LAXATIVES. LUNGARDIA COMPANY, Dallas, Tex.
Filed February 12, 1923. Serial No. 175,936. PUBLISHED MAY 29, 1923.

172,878. PERFUMES. COTY, INC., New York, N. Y.
Filed February 12, 1923. Serial No. 175,920. PUBLISHED MAY 29, 1923.

172,879. CERTAIN NAMED TOILET PREPARATIONS. CONDÉ, PERFUMER, New York, N. Y.
Filed February 12, 1923. Serial No. 175,918. PUBLISHED MAY 29, 1923.

172,880. AN OXYCHLORIDE OF BISMUTH IN CAMPHORATED SOLUTION. FREDERIC LEHNHOFF-WYLD, Paris, France.
Filed February 10, 1923. Serial No. 175,902. PUBLISHED MAY 29, 1923.

172,881. AN OXYIODIDE OF BISMUTH IN CAMPHORATED SOLUTION. FREDERIC LEHNHOFF-WYLD, Paris, France.
Filed February 10, 1923. Serial No. 175,901. PUBLISHED MAY 29, 1923.

172,882. LAXATIVE POWDERS. PHILIP SCHAUPNER, doing business as The Sanas Company, Inc., Detroit, Mich.
Filed February 10, 1923. Serial No. 175,889. PUBLISHED MAY 15, 1923.

172,883. MEDICINAL OINTMENT FOR THE TREATMENT OF THE SCALP AND HAIR. CLIFFORD C. MARSHALL, Vincennes, Ind.
Filed February 10, 1923. Serial No. 175,877. PUBLISHED MAY 15, 1923.

172,884. CERTAIN NAMED RADIO APPARATUS. CHARLES HARDY, doing business as Advanced Metal Stamping Company, New York, N. Y., assignor to Amsco Products Inc., New York, N. Y., a Corporation of New York.
Filed February 10, 1923. Serial No. 175,865. PUBLISHED MAY 29, 1923.

172,885. LAXATIVE. THE BATTLE CREEK FOOD COMPANY, Battle Creek, Mich.
Filed February 10, 1923. Serial No. 175,839. PUBLISHED MAY 15, 1923.

172,886. CERTAIN NAMED JEWELRY FOR PERSONAL WEAR. SPEAR & SUSSKIND, Providence, R. I.
Filed February 9, 1923. Serial No. 175,818. PUBLISHED MAY 29, 1923.

172,887. TAGS. THE FOGARTY MANUFACTURING COMPANY, Dayton, Ohio.
Filed February 9, 1923. Serial No. 175,783. PUBLISHED JUNE 5, 1923.

172,888. INNER TUBES FOR PNEUMATIC TIRES MADE OF RUBBER. THE B. F. GOODRICH COMPANY, New York, N. Y.
Filed February 8, 1923. Serial No. 175,720. PUBLISHED JUNE 5, 1923.

172,889. FLY SWATTERS, IMPLEMENTS FOR KILLING AND DISABLING INSECTS, FLIES, AND THE LIKE. U. S. MANUFACTURING CORPORATION, Decatur, Ill.
Filed February 7, 1923. Serial No. 175,688. PUBLISHED JUNE 5, 1923.

172,890. FLY SWATTERS, IMPLEMENTS FOR KILLING AND DISABLING INSECTS, FLIES, AND THE LIKE. U. S. MANUFACTURING CORPORATION, Decatur, Ill.
Filed February 7, 1923. Serial No. 175,687. PUBLISHED JUNE 5, 1923.

172,891. FLY SWATTERS, IMPLEMENTS FOR KILLING AND DISABLING INSECTS, FLIES, AND THE LIKE. U. S. MANUFACTURING CORPORATION, Decatur, Ill.
Filed February 7, 1923. Serial No. 175,686. PUBLISHED JUNE 5, 1923.

172,892. PREPARATION FOR TONSILLITIS, HOARSENESS, QUINSY, LOSS OF VOICE, AND INFLAMMATORY CONDITIONS OF THE THROAT. JOHN J. BARISCILLO, doing business as Tonsitol Laboratories, Asbury Park, N. J.
Filed February 7, 1923. Serial No. 175,641. PUBLISHED MAY 15, 1923.

172,893. MEDICINAL PREPARATION TO BE USED AS A PROPHYLACTIC, ANTISEPTIC AND GERMICIDE. HERBERT WOLCOTT, doing business as Judee Laboratories, Red Bank, N. J.
Filed February 5, 1923. Serial No. 175,588. PUBLISHED MAY 15, 1923.

172,894. WORSTED AND WOOLEN DRESS GOODS MANUFACTURED IN THE PIECE. F. A. BOCHMANN & CO. INC., Philadelphia, Pa.
Filed January 25, 1923. Serial No. 175,052. PUBLISHED MAY 29, 1923.

172,895. WORSTED AND WOOLEN DRESS GOODS MANUFACTURED IN THE PIECE. F. A. BOCHMANN & CO. INC., Philadelphia, Pa.
Filed January 25, 1923. Serial No. 175,051. PUBLISHED MAY 29, 1923.

172,896. SILK THREAD FOR STRINGING PEARLS AND BEADS. LOUIS FRANK ROSENBERG, doing business as The "Rosilk" Company, Providence, R. I.
Filed April 10, 1923. Serial No. 178,933. PUBLISHED MAY 29, 1923.

172,897. WINDOW ENVELOPES. WOLF BROTHERS, Philadelphia, Pa.
Filed April 10, 1923. Serial No. 178,942. PUBLISHED JUNE 5, 1923.

172,898. PIECE GOODS MADE OF WOOL. ROUBAIX MILLS, INC., Clinton, Mass., and New York, N. Y.
Filed April 14, 1923. Serial No. 179,167. PUBLISHED JUNE 5, 1923.

172,899. WOOLEN PIECE GOODS. FORSTMANN & HUFFMANN COMPANY, Passaic, N. J.
Filed April 11, 1923. Serial No. 178,997. PUBLISHED JUNE 12, 1923.

172,900. WOOLEN PIECE GOODS. FORSTMANN & HUFFMANN COMPANY, Passaic, N. J.
Filed April 11, 1923. Serial No. 178,996. PUBLISHED JUNE 12, 1923.

172,901. LINENS AND DECORATED LINENS IN THE PIECE. DANDA-HALFERN CO., INC., New York, N. Y.
Filed March 24, 1923. Serial No. 177,963. PUBLISHED JUNE 12, 1923.

172,902. COTTON, SILK, WOOLEN, OR JUTE FABRICS. WILLIAM HENRY HARRISS, New York, N. Y.
Filed March 21, 1923. Serial No. 177,780. PUBLISHED JUNE 5, 1923.

172,903. CERTAIN KNITTED PIECE GOODS. RHEINAUER-ROTH KNITTING MILLS, INC., New York, N. Y.
Filed March 19, 1923. Serial No. 177,692. PUBLISHED JUNE 5, 1923.

172,904. HANDKERCHIEFS. HERBERT J. CATHCART, doing business as The Cathcart Company, New York, N. Y.
Filed March 16, 1923. Serial No. 177,545. PUBLISHED JUNE 12, 1923.

172,905. COTTON PIECE GOODS. SMITH, HOGG & CO., New York, N. Y.
Filed February 17, 1923. Serial No. 176,224. PUBLISHED JUNE 26, 1923.

172,906. COTTON PIECE GOODS. HOCKMEYER BROS., New York, N. Y.
Filed April 19, 1923. Serial No. 179,369. PUBLISHED JUNE 5, 1923.

172,907. COTTON PIECE GOODS. WILTON MANUFACTURING COMPANY, INC., New York, N. Y.
Filed April 17, 1923. Serial No. 179,289. PUBLISHED JUNE 5, 1923.

172,908. COTTON PIECE GOODS. WILTON MANUFACTURING COMPANY, INC., New York, N. Y.
Filed April 17, 1923. Serial No. 179,288. PUBLISHED JUNE 5, 1923.

172,909. COTTON PIECE GOODS. KELSEY TEXTILE CORPORATION, New York, N. Y.
Filed April 17, 1923. Serial No. 179,275. PUBLISHED JUNE 5, 1923.

172,910. WOOLEN PIECE GOODS. FORSTMANN & HUFFMANN COMPANY, Passaic, N. J.
Filed April 11, 1923. Serial No. 178,994. PUBLISHED JUNE 5, 1923.

172,911. WOOLEN PIECE GOODS. FORSTMANN & HUFFMANN COMPANY, Passaic, N. J.
Filed April 1, 1923. Serial No. 178,993. PUBLISHED JUNE 5, 1923.

172,912. WOOLEN PIECE GOODS. FORSTMANN & HUFFMANN COMPANY, Passaic, N. J.
Filed April 11, 1923. Serial No. 178,992. PUBLISHED JUNE 5, 1923.

172,913. PORTLAND CEMENT. THE UNITED STATES PORTLAND CEMENT COMPANY, Denver, Colo.
Filed April 5, 1923. Serial No. 178,642. PUBLISHED JUNE 5, 1923.

172,914. STUCCO AND A COMPOSITION OF CEMENTITIOUS NATURE FOR MAKING FLOORING. RITESTONE PRODUCTS CORPORATION, New York, N. Y.
Filed April 5, 1923. Serial No. 178,628. PUBLISHED JUNE 5, 1923.

172,915. WRAPPING PAPER. GREAT NOTCH PAPER COMPANY, INC., New York, N. Y.
Filed April 3, 1923. Serial No. 178,502. PUBLISHED JUNE 5, 1923.

172,916. HAIR NETS. SOUTHERN COMMERCIAL COMPANY, doing business as Parks-Belk Company, Durham, N. C.
Filed March 30, 1923. Serial No. 178,364. PUBLISHED MAY 29, 1923.

172,917. BOND AND CORRESPONDENCE PAPER. H. REEVE ANGEL & CO., INC., New York, N. Y.
Filed March 26, 1923. Serial No. 178,020. PUBLISHED JUNE 5, 1923.

172,918. FIREPROOF NON-HEAT-CONDUCTING MATERIALS COMPOSED OF ASBESTOS FIBER AND HYDRAULIC CEMENT IN SHEETS, STRIPS, AND BLOCKS. JOHNS-MANVILLE, INCORPORATED, New York, N. Y.
Filed March 21, 1923. Serial No. 177,786. PUBLISHED JUNE 5, 1923.

172,919. FIREPLACES. ELSON & CHURCH, Los Angeles, Calif.
Filed March 14, 1923. Serial No. 177,431. PUBLISHED JUNE 5, 1923.

172,920. CERTAIN NAMED MINERAL AGGREGATE. THE COPPERSTONE PRODUCTS CO., Toledo, Ohio.
Filed March 12, 1923. Serial No. 177,277. PUBLISHED JUNE 5, 1923.

172,921. BRICKS. UNITED STATES REFRACTORIES CO., San Luis Obispo, Calif.
Filed March 10, 1923. Serial No. 177,254. PUBLISHED JUNE 5, 1923.

172,922. PAPER—NAMELY, PRINT, BOOK, COVER, BRISTOL, POST CARD, LEDGER, WRITING, BOND, AND ENVELOPE. J. W. BUTLER PAPER COMPANY, Chicago, Ill.
Filed March 10, 1923. Serial No. 177,213. PUBLISHED JUNE 5, 1923.

172,923. COTTON PIECE GOODS. BERT LEVI & CO., INC., New York, N. Y.
Filed March 8, 1923. Serial No. 177,133. PUBLISHED MAY 29, 1923.

172,924. YARN SPUN WITH A MIXTURE OF COTTON AND WOOL. C. HARLAND LAWRENCE, Taunton, Mass.
Filed March 5, 1923. Serial No. 177,006. PUBLISHED MAY 29, 1923.

172,925. CERTAIN NAMED PIECE GOODS. TURNER & WALLS, New York, N. Y.
Filed March 3, 1923. Serial No. 176,928. PUBLISHED MAY 29, 1923.

172,926. STEREOTYPING AND COPYING TISSUE. ROBERT W. BROOKS, doing business as Brooks Paper Company, St. Louis, Mo.
Filed February 24, 1923. Serial No. 176,534. PUBLISHED JUNE 5, 1923.

172,927. CALCINED GYPSUM WALL PLASTERS. UNITED STATES GYPSUM COMPANY, Chicago, Ill.
Filed February 23, 1923. Serial No. 176,514. PUBLISHED JUNE 5, 1923.

172,928. PIECE GOODS MADE OF SILK. MARCUS A. HEYMAN, New York, N. Y.
Filed February 21 ,1923. Serial No. 176,407. PUBLISHED MAY 29, 1923.

172,929. SHOES OF LEATHER, FABRIC, AND RUBBER, LEATHER AND RUBBER, AND LEATHER AND FABRIC. THE A. E. PITTS SHOE CO., Columbus, Ohio.
Filed November 23, 1922. Serial No. 172,435. PUBLISHED JUNE 5, 1923.

172,930. SILK PIECE GOODS. DAVID I. SALOMON, doing business as David I. Salomon Silk Co., New York, N. Y.
Filed November 22, 1922. Serial No. 172,397. PUBLISHED JUNE 26, 1923.

172,931. HOSIERY FOR MEN, WOMEN, AND CHILDREN. BERGER HOSIERY COMPANY, Philadelphia, Pa.
Filed July 18, 1922. Serial No. 167,040. PUBLISHED JUNE 5, 1923.

172,932. SPICES, BIRDSEED, BIRD FOOD, SEASONING HERBS, AND TAPIOCA. ARCHIBALD & LEWIS COMPANY, New York, N. Y.
Filed June 14, 1922. Serial No. 165,475. PUBLISHED JUNE 5, 1923.

172,933. WOOLEN AND COTTON BLANKETS AND COMFORTERS. FULD BROTHERS, New York, N. Y.
Filed June 7, 1922. Serial No. 165,132. PUBLISHED AUGUST 1, 1922.

172,934. WHEAT FLOUR. THE J. W. DENIO MILLING COMPANY, Sheridan, Wyo.
Filed May 18, 1922. Serial No. 164,024. PUBLISHED JUNE 5, 1923.

172,935. BREAD. JAMES FREDERICK STRACHAN, Montreal, Quebec, Canada.
Filed April 27, 1922. Serial No. 163,006. PUBLISHED JUNE 5, 1923.

172,936. WHEAT FLOUR. DUNLOP MILLING CO., Clarksville, Tenn.
Filed April 24, 1922. Serial No. 162,808. PUBLISHED JUNE 5, 1923.

172,937. PISTOLS, RIFLES, MUSKETS, GUNS, REVOLVERS, AMMUNITION, AND CLEANING RODS. GUSTAV GENSCHOW & CO. AKTIENGESELLSCHAFT, Berlin, Germany.
Filed April 7, 1922. Serial No. 161,877. PUBLISHED OCTOBER 24, 1922.

172,938. PISTOLS, RIFLES, MUSKETS, GUNS, REVOLVERS, AMMUNITION, AND CLEANING RODS. GUSTAV GENSCHOW & CO., AKTIENGESELLSCHAFT, Berlin, Germany.
Filed April 7, 1922. Serial No. 161,875. PUBLISHED OCTOBER 24, 1922.

172,939. BUTTER. HENRY N. BRAWNER, Jr., doing business as Chestnut Farms Dairy, Washington, D. C.
Filed March 28, 1922. Serial No. 161,347. PUBLISHED JUNE 5, 1923.

172,940. CERTAIN PIECE GOODS AND HANDKERCHIEFS. IRELAND BROS., INC., New York, N. Y.
Filed March 25, 1922. Serial No. 161,255. PUBLISHED OCTOBER 17, 1922.

172,941. COTTON PIECE GOODS. VOSS & STERN, New York, N. Y.
Filed March 7, 1922. Serial No. 160,323. PUBLISHED JUNE 19, 1923.

172,942. GLASS LAMP SHADES. MAX H. KRICH, doing business as Krich Light & Electric Company, Newark, N. J.
Filed February 14, 1922. Serial No. 159,321. PUBLISHED JUNE 13, 1922.

172,943. CONFECTIONERY—NAMELY, CHOCOLATE-COVERED CONFECTIONS AND BONBONS. THE DE KLYN CANDY COMPANY, Cleveland, Ohio.
Filed December 10, 1921. Serial No. 156,520. PUBLISHED JUNE 5, 1923.

172,944. DAIRY FEED AND RATIONS. KASCO MILLS, INC., Waverly, N. Y.
Filed February 4, 1922. Serial No. 158,872. PUBLISHED JUNE 5, 1923.

172,945. PREPARATION MADE FROM RICE IN POWDERED AND LIQUID FORM. VITA RICE PRODUCTS CO., Willows, Glenn County, Calif.
Filed November 23, 1921. Serial No. 155,841. PUBLISHED MAY 1, 1923.

172,946. RAW OYSTERS AND OYSTERS IN THE SHELL. MCNASBY OYSTER CO., Annapolis, Md.
Filed November 10, 1921. Serial No. 155,269. PUBLISHED JUNE 5, 1923.

172,947. MILK FOOD IN POWDER FORM FOR DOGS AND CATS. SPRATT'S PATENT LIMITED, London, England.
Filed October 7, 1921. Serial No. 153,858. PUBLISHED JUNE 5, 1923.

172,948. LEATHER SHOES. ENDICOTT JOHNSON CORPORATION, Endicott, N. Y.
Filed September 10, 1921. Serial No. 152,791. PUBLISHED JUNE 5, 1923.

172,949. INSECTICIDE FOR FOWLS. SAMUEL S. POWELL, Winterset, Iowa.
Filed January 10, 1923. Serial No. 174,409. PUBLISHED JUNE 5, 1923.

172,950. ARTICLES OF JEWELRY OF PRECIOUS METAL, NOT INCLUDING WATCHES—VIZ, FINGER RINGS. ISADORE SCHIFFMAN, New York, N. Y.
Filed January 9, 1923. Serial No. 174,369. PUBLISHED MAY 29, 1923.

172,951. FLOUR MADE FROM WHEAT. PILLSBURY FLOUR MILLS COMPANY, Minneapolis, Minn.
Filed January 8, 1923. Serial No. 174,334. PUBLISHED JUNE 5, 1923.

172,952. KNITTED FABRICS IN THE PIECE AND WOVEN SILK AND COTTON PIECE GOODS. KNITTED TEXTILES CORPORATION, New York, N. Y., and Allentown, Pa.
Filed January 8, 1923. Serial No. 174,311. PUBLISHED MAY 29, 1923.

172,953. APPARATUS FOR PREPARING, CONVEYING, AND BURNING COMMINUTED FUEL. GRINDLE FUEL EQUIPMENT COMPANY, Harvey, Ill.
Filed February 5, 1923. Serial No. 175,551. PUBLISHED JUNE 5, 1923.

172,954. MEDICINAL AGENTS FOR THE EXTERNAL TREATMENT OF BODILY PAINS. THE EDDINE MANUFACTURING CO., Cleveland, Ohio.
Filed February 5, 1923. Serial No. 175,548. PUBLISHED JUNE 5, 1923.

172,955. TOILET AND PHARMACEUTICAL PREPARATIONS. SUSANNA COCROFT LABORATORIES INC., New York, N. Y.
Filed February 3, 1923. Serial No. 175,468. PUBLISHED JUNE 5, 1923.

172,956. INCINERATORS. HEIMBACH INCINERATOR CO., St. Paul, Minn.
Filed February 2, 1923. Serial No. 175,427. PUBLISHED JUNE 5, 1923.

172,957. BLOOMERS FOR BABIES AND CHILDREN. ANTOL M. BREIT, doing business as Crescent Rubber Specialty Company, Chicago, Ill.
Filed January 30, 1923. Serial No. 175,296. PUBLISHED JUNE 5, 1923.

172,958. KNITTED SCARFS AND BOW TIES. FRANKLIN KNITTING MILLS, INC., New York, N. Y.
Filed January 29, 1923. Serial No. 175,238. PUBLISHED JUNE 5, 1923.

172,959. ACETYLSALICYLIC ACID. SMITH, KLINE & FRENCH CO., Philadelphia, Pa.
Filed January 26, 1923. Serial No. 175,168. PUBLISHED MAY 29, 1923.

172,960. TOOTHPASTE, GLYCERIN, CASTOR OIL, AND ESSENCE OF PEPPERMINT. FOLEY & COMPANY, Chicago, Ill.
Filed February 19, 1923. Serial No. 176,263. PUBLISHED JUNE 12, 1923.

172,961. RAINCOATS AND TOPCOATS. C. B. SHANE CO., Chicago, Ill.
Filed January 25, 1923. Serial No. 175,110. PUBLISHED JUNE 5, 1923.

172,962. HOSIERY. KRUEGER-TOBIN CO., INC., New York, N. Y.
Filed January 25, 1923. Serial No. 175,087. PUBLISHED JUNE 5, 1923.

172,963. INSECTICIDE FOR ROACHES, WATER BUGS, ANTS, BEDBUGS, ETC. CHARLES L. JONES, St. Louis, Mo.
Filed January 25, 1923. Serial No. 175,084. PUBLISHED JUNE 5, 1923.

172,964. SALVE FOR THE TREATMENT OF ECZEMA, PILES, TETTER, RINGWORM, PIMPLES, AND ITCH IN ALL FORMS. THE HERGT COMPANY, Hillsboro, Tex.
Filed January 25, 1923. Serial No. 175,082. PUBLISHED JUNE 5, 1923.

172,965. POULTRY FEED. THE ALBERT DICKINSON COMPANY, Chicago, Ill.
Filed January 25, 1923. Serial No. 175,073. PUBLISHED JUNE 5, 1923.

172,966. LAXATIVE. ZAGAT INC., New York, N. Y.
Filed January 24, 1923. Serial No. 175,047. PUBLISHED JUNE 5, 1923.

172,967. HAIR TONICS. DAGGETT & MILLER CO. INC., Providence, R. I.
Filed January 24, 1923. Serial No. 175,007. PUBLISHED JUNE 5, 1923.

172,968. COLD-CREAM POWDER. THE ARMAND COMPANY, Des Moines, Iowa.
Filed January 24, 1923. Serial No. 174,994. PUBLISHED JUNE 5, 1923.

172,969. ROLLED OATS AND OATMEAL. THE QUAKER OATS COMPANY, Chicago, Ill.
Filed January 22, 1923. Serial No. 174,915. PUBLISHED JUNE 5, 1923.

172,970. WOMEN'S AND MISSES' FURNISHINGS AND CLOTHING — NAMELY, COATS, SUITS, DRESSES, AND BLOUSES MADE OUT OF TEXTILE MATERIAL, AND COATS, SUITS, DRESSES, AND BLOUSES MADE OUT OF KNITTED MATERIAL. BEST & CO. INC., New York, N. Y.
Filed January 22, 1923. Serial No. 174,884. PUBLISHED JUNE 5, 1923.

172,971. FANCY COOKIES. PACIFIC COAST BISCUIT COMPANY, Seattle, Wash.
Filed January 20, 1923. Serial No. 174,854. PUBLISHED JUNE 5, 1923.

172,972. SALVE FOR THE TREATMENT OF PNEUMONIA, INFLUENZA, CROUP, ASTHMA, AND COLDS. HUGH F. DICKSON, Covington, Tenn.
Filed January 19, 1923. Serial No. 174,768. PUBLISHED JUNE 5, 1923.

172,973. SILK PIECE GOODS. THE SCHWARZENBACH HUBER COMPANY, West Hoboken, N. J.
Filed January 10, 1923. Serial No. 174,412. PUBLISHED JUNE 5, 1923.

172,974. HAIR OILS. FOLEY & COMPANY, Chicago, Ill.
Filed February 19, 1923. Serial No. 176,261. PUBLISHED JUNE 12, 1923.

172,975. OXIDES OF COBALT CHROMIUM, SELENIUM, ZIRCONIUM, TITANIUM, CERIUM, AND TIN AND FOR SULPHIDE OF CADMIUM. THE VITRO MANUFACTURING COMPANY, Pittsburgh, Pa.
Filed February 17, 1923. Serial No. 176,234. PUBLISHED JUNE 12, 1923.

172,976. TOOTH PASTE AND LIQUID DENTIFRICE. JAMES R. IRVIN, Chicago, Ill.
Filed February 17, 1923. Serial No. 176,188. PUBLISHED JUNE 12, 1923.

172,977. PREPARATION FOR IMPARTING A GLOSSY APPEARANCE TO THE HAIR. ROBERT H. CROMWELL, doing business as Southern California Cosmetic Mfg. Co., Los Angeles, Calif.
Filed February 15, 1923. Serial No. 176,074. PUBLISHED JUNE 12, 1923.

172,978. FOOD-FLAVORING EXTRACTS AND COFFEE. C. A. MURDOCK MFG. CO., Kansas City, Mo.
Filed February 9, 1923. Serial No. 175,805. PUBLISHED JUNE 19, 1923.

172,979. PLASTER. PAUL MENDE INC., New York, N. Y.
Filed February 2, 1923. Serial No. 175,433. PUBLISHED JUNE 12, 1923.

172,980. COCOA, PUDDING, AND CORNSTARCH. MANHATTAN BAKING POWDER CO., New York, N. Y.
Filed January 8, 1923. Serial No. 174,316. PUBLISHED JUNE 5, 1923.

172,981. SCRATCH FEED FOR POULTRY. LAWRENCEBURG ROLLER MILLS CO., Lawrenceburg, Ind.
Filed January 8, 1923. Serial No. 174,314. PUBLISHED JUNE 5, 1923.

172,982. MEDICINAL PREPARATION FOR THE TREATMENT OF THE NERVES, KIDNEYS, AND LIVER, AS WELL AS THE SEXUAL ORGANS. WADE HAMPTON WILSON, doing business as Scat Chemical Company, Jacksonville, Fla.
Filed January 2, 1923. Serial No. 174,116. PUBLISHED JUNE 12, 1923.

172,983. HORSE FEED. THE QUAKER OATS COMPANY, Chicago, Ill.
Filed January 2, 1923. Serial No. 174,104. PUBLISHED JUNE 5, 1923.

172,984. CORN MEAL. CHARLES D. CALVERLEY, doing business as C. D. Calverley & Co., East St. Louis, Ill.
Filed January 2, 1923. Serial No. 174,064. PUBLISHED JUNE 5, 1923.

172,985. BUTTER. WILLIAM PERKINS, doing business as Midland Creamery Co., St. Louis, Mo.
Filed December 30, 1922. Serial No. 174,027. PUBLISHED JUNE 5, 1923.

172,986. WHEAT FLOUR. AMERICAN DEALERS TRADING CORPORATION, Huntingdon, Pa.
Filed December 30, 1922. Serial No. 173,990. PUBLISHED JUNE 5, 1923.

172,987. LEVER CASINGS FOR BOTTOMS OF AUTOMOBILE BODIES. THE PETTITT & BICKFORD COMPANY, Wayzata, Minn.
Filed December 29, 1922. Serial No. 173,981. PUBLISHED JUNE 12, 1923.

172,988. SOFT DRINK. MOUND CITY BOTTLING COMPANY, St. Louis, Mo.
Filed December 26, 1922. Serial No. 173,845. PUBLISHED JUNE 12, 1923.

172,989. SUGAR, RICE, PEPPER, COFFEE, SPICES, AND CONDIMENTS. NETHERLANDS CORPORATION FOR OVERSEA TRADE, INC., New York, N. Y.
Filed December 18, 1922. Serial No. 173,525. PUBLISHED JUNE 5, 1923.

172,990. SUGAR, RICE, PEPPER, COFFEE, SPICES, AND CONDIMENTS. NETHERLANDS CORPORATION FOR OVERSEA TRADE, INC., New York, N. Y.
Filed December 18, 1922. Serial No. 173,523. PUBLISHED JUNE 5, 1923.

172,991. WHEAT FLOUR. THE RED STAR MILLING COMPANY, Wichita, Kans.
Filed December 12, 1922. Serial No. 173,242. PUBLISHED JUNE 5, 1923.

172,992. MOTOR CARS, BICYCLES, TRICYCLES, ADAPTED TO BE USED BOTH BY CHILDREN AND ADULTS, AND MOTOR CYCLES. ROVER COMPANY, LIMITED, Coventry, England.
Filed December 6, 1922. Serial No. 173,009. PUBLISHED JUNE 12, 1923.

172,993. TELEPHONIC RECEIVERS. EDWARD ALFRED GRAHAM, doing business as Alfred Graham & Co., London, England.
Filed February 14, 1923. Serial No. 176,021. PUBLISHED JUNE 5, 1923.

172,994. COTTON FABRICS AND SILK FABRICS IN THE PIECE. THE WAUREGAN COMPANY, Wauregan, Conn., and Providence, R. I.
Filed February 23, 1923. Serial No. 176,517. PUBLISHED JUNE 5, 1923.

172,995. CERTAIN NAMED JEWELRY FOR PERSONAL WEAR. BYARD F. BROGAN, Philadelphia, Pa.
Filed February 28, 1923. Serial No. 176,716. PUBLISHED JUNE 5, 1923.

172,996. GLASS. BULLET PROOF & NON-SHATTERABLE GLASS CORPORATION, New York, N. Y.
Filed February 28, 1923. Serial No. 176,717. PUBLISHED JUNE 5, 1923.

172,997. GLASS. BULLET PROOF & NON-SHATTERABLE GLASS CORPORATION, New York, N. Y.
Filed February 28, 1923. Serial No. 176,718. PUBLISHED JUNE 5, 1923.

172,998. CORSETS, BRASSIÈRES, AND GIRDLES. BIRDSEY-SOMERS CO., New York, N. Y.
Filed March 10, 1923. Serial No. 177,212. PUBLISHED JUNE 5, 1923.

172,999. CONTROL DIALS FOR USE WITH RADIO APPARATUS. PACENT ELECTRIC COMPANY, New York, N. Y.
Filed March 10, 1923. Serial No. 177,241. PUBLISHED JUNE 5, 1923.

173,000. CAPS FOR MEN, WOMEN, AND CHILDREN. FENDELMAN BROTHERS CAP AND HAT MANUFACTURING COMPANY, St. Louis, Mo.
Filed March 12, 1923. Serial No. 177,287. PUBLISHED JUNE 5, 1923.

173,001. CHINAWARE. ELSIE W. BIEG, Chicago, Ill.
Filed March 15, 1923. Serial No. 177,472. PUBLISHED JUNE 5, 1923.

173,002. UPRIGHT AND GRAND PIANOS, PLAYER PIANOS, ELECTRIC AND REPRODUCING PIANOS, AND PHONOGRAPHS. HORACE LEHR, doing business as H. Lehr & Co., Easton, Pa.
Filed March 15, 1923. Serial No. 177,494. PUBLISHED JUNE 5, 1923.

173,003. FROZEN ICE-CREAM DAINTIES. CLARENCE PULLIAM, Detroit, Mich.
Filed March 16, 1923. Serial No. 177,572. PUBLISHED MAY 29, 1923.

173,004. ELECTRICAL TELEPHONE RECEIVERS. METRO ELECTRICAL CO., INC., Newark, N. J.
Filed March 21, 1923. Serial No. 177,705. PUBLISHED JUNE 5, 1923.

173,005. SOUND RECORD TABLETS AND RECORDING ATTACHMENTS FOR PHONOGRAPHS. HOWARD A. MILLER, doing business as The HomoPhone Co., Newark, N. J.
Filed March 21, 1923. Serial No. 177,797. PUBLISHED JUNE 5, 1923.

173,006. ELECTRIC LIGHTS AND LIGHTING FIXTURES FOR ELECTRIC LIGHTS FOR MOTOR CARS. MOTOR CURVE LIGHT COMPANY, Delta, Colo.
Filed March 24, 1923. Serial No. 177,987. PUBLISHED JUNE 5, 1923.

173,007. PLATE GLASS, MIRROR GLASS, AND CRYSTAL SHEET. SYRACUSE GLASS COMPANY, Syracuse, N. Y.
Filed March 24, 1923. Serial No. 178,007. PUBLISHED JUNE 5, 1923.

173,008. ELECTRIC SADIRONS. THE DOVER MANUFACTURING COMPANY, Dover, Ohio.
Filed March 29, 1923. Serial No. 178,236. PUBLISHED JUNE 5, 1923.

173,009. CRYSTAL DETECTORS AND RECTIFIERS. DUBILIER CONDENSER AND RADIO CORPORATION, New York, N. Y.
Filed March 30, 1923. Serial No. 178,333. PUBLISHED JUNE 5, 1923.

173,010. SERGES IN THE PIECE. HOWSE, MEAD & SONS, LT., London, England.
Filed April 7, 1923. Serial No. 178,722. PUBLISHED JUNE 5, 1923.

173,011. WATCHCASES. MARCEL M. MIRABEAU, doing business as Lissauer & Company, New York, N. Y.
Filed April 7, 1923. Serial No. 178,765. PUBLISHED JUNE 5, 1923.

173,012. ROLLED OATS. THE QUAKER OATS COMPANY, Chicago, Ill.
Filed December 29, 1922. Serial No. 173,983. PUBLISHED JUNE 5, 1923.

173,013. LIQUID PREPARATION FOR THE TREATMENT OF BLOOD DISORDERS. MIKE E. BOZEMAN, doing business as Hampton Medicine Company, Winnfield, La.
Filed December 27, 1922. Serial No. 173,871. PUBLISHED JUNE 5, 1923.

173,014. SELECTED COTTONSEED OF DIFFERENT VARIETIES. ALEXANDER D. MEBANE, Lockhart, Tex.
Filed December 26, 1922. Serial No. 173,848. PUBLISHED JUNE 5, 1923.

173,015. LADIES' AND CHILDREN'S DRESSES. HELEN EMILIE WOLF, New York, N. Y.
Filed December 23, 1922. Serial No. 173,803. PUBLISHED JUNE 5, 1923.

173,016. GENERAL GROCERIES. BURNHAM & MORRILL COMPANY, Portland, Me.
Filed December 16, 1922. Serial No. 173,399. PUBLISHED JUNE 5, 1923.

173,017. CANNED FRUITS AND VEGETABLES AND CANNED FISH. THE SYMNS GROCER CO., Atchison, Kans.
Filed December 9, 1922. Serial No. 173,152. PUBLISHED JUNE 5, 1923.

173,018. LIQUID WATERPROOFING COMPOSITION. THE BARLITH COMPANY, San Francisco, Calif.
Filed December 9, 1922. Serial No. 173,126. PUBLISHED JUNE 5, 1923.

173,019. HOSIERY FOR MEN AND WOMEN. WILLIAM R. WETHERHOLD, doing business as Reading Textiles, Reading, Pa.
Filed December 7, 1922. Serial No. 173,062. PUBLISHED JUNE 5, 1923.

173,020. WOOLEN HOMESPUN TEXTILE FABRICS IN THE PIECE. GROVE PARK INN, INC., doing business as Biltmore Industries, Asheville, N. C.
Filed December 6, 1922. Serial No. 172,988. PUBLISHED JUNE 5, 1923.

173,021. CHICK MASH. AMERICAN MILLING COMPANY, Peoria, Ill.
Filed December 5, 1922. Serial No. 172,926. PUBLISHED JUNE 5, 1923.

173,022. EGG MASH. AMERICAN MILLING COMPANY, Peoria, Ill.
Filed December 5, 1922. Serial No. 172,925. PUBLISHED JUNE 5, 1923.

173,023. KNITTED UNDERWEAR, SWEATERS, AND BATHING SUITS FOR MEN, WOMEN, AND CHILDREN. AMERICAN WHOLESALE CORPORATION (BALTIMORE BARGAIN HOUSE), Baltimore, Md.
Filed December 2, 1922. Serial No. 172,817. PUBLISHED JUNE 5, 1923.

173,024. OUTER NEGLIGEE AND WORK SHIRTS FOR MEN. JACOB GERHARDT & COMPANY, INCORPORATED, New York, N. Y.
Filed November 29, 1922. Serial No. 172,670. PUBLISHED JUNE 5, 1923.

173,025. SPRING COVERS AND GREASE BOOTS. DAVID FEINBURG COMPANY, doing business as Snappee Co., Chelsea, Mass.
Filed November 28, 1922. Serial No. 172,643. PUBLISHED JUNE 5, 1923.

173,026. INFANTS' AND CHILDREN'S DRESSES, ROMPERS, OVERSLIPS, AND PETTICOATS. PAULINE ROSTOLD, New York, N. Y.
Filed November 25, 1922. Serial No. 172,558. PUBLISHED JUNE 5, 1923.

173,027. OUTER SUITS FOR MEN AND BOYS. JACOB JAMISON, Philadelphia, Pa.
Filed November 21, 1922. Serial No. 172,335. PUBLISHED JUNE 5, 1923.

173,028. MIXED STOCK FEED. THE QUAKER OATS COMPANY, Chicago, Ill.
Filed January 2, 1923. Serial No. 174,101. PUBLISHED JUNE 5, 1923.

173,029. HORSE FEED. THE QUAKER OATS COMPANY, Chicago, Ill.
Filed January 2, 1923. Serial No. 174,103. PUBLISHED JUNE 5, 1923.

173,030. STOCK FEED. THE QUAKER OATS COMPANY, Chicago, Ill.
Filed January 2, 1923. Serial No. 174,105. PUBLISHED JUNE 5, 1923.

173,031. WHITE AND GRAHAM FLOUR MADE FROM WHEAT AND CORN MEAL. D. J. TOOMEY PRODUCE CO., Spearfish, S. Dak., and Newcastle, Wyo.
Filed January 4, 1923. Serial No. 174,188. PUBLISHED JUNE 5, 1923.

173,032. BOYS' STOCKINGS. D. SALWEN & CO. INC., New York, N. Y.
Filed January 8, 1923. Serial No. 174,338. PUBLISHED JUNE 5, 1923.

173,033. HOSIERY. MOORHEAD KNITTING COMPANY, Harrisburg, Pa.
Filed January 10, 1923. Serial No. 174,404. PUBLISHED JUNE 5, 1923.

173,034. LARD. BOYD, LUNHAM & COMPANY, Chicago, Ill.
Filed January 15, 1923. Serial No. 174,607. PUBLISHED JUNE 5, 1923.

173,035. CANNED FISH, FRUIT, AND VEGETABLES. NORTH AMERICAN MERCANTILE CO., INC., San Francisco, Calif.
Filed January 22, 1923. Serial No. 174,909. PUBLISHED JUNE 5, 1923.

173,036. BIOTHERAPEUTIC AND OPOTHERAPEUTIC PRODUCTS IN AMPOULE AND PILL FORM. ALFRED B. ADAMS, New York, N. Y.
Filed February 14, 1923. Serial No. 176,006. PUBLISHED JUNE 5, 1923.

173,037. BIOTHERAPEUTIC AND OPOTHERAPEUTIC PRODUCTS IN AMPOULE AND PILL FORM. ALFRED B. ADAMS, New York, N. Y.
Filed February 14, 1923. Serial No. 176,007. PUBLISHED JUNE 5, 1923.

173,038. BIOTHERAPEUTIC AND OPOTHERAPEUTIC PRODUCTS IN AMPOULE AND PILL FORM. ALFRED B. ADAMS, New York, N. Y.
Filed February 14, 1923. Serial No. 176,009. PUBLISHED JUNE 5, 1923.

173,039. BIOTHERAPEUTIC AND OPOTHERAPEUTIC PRODUCTS IN AMPOULE AND PILL FORM. ALFRED B. ADAMS, New York, N. Y.
Filed February 14, 1923. Serial No. 176,010. PUBLISHED JUNE 5, 1923.

173,040. HOSIERY. BEAR BRAND HOSIERY CO., Chicago, Ill.
Filed February 26, 1923. Serial No. 176,595. PUBLISHED JUNE 26, 1923.

173,041. LOCOMOTIVE LUBRICATORS, STATIONARY LUBRICATORS, AND OIL CUPS. DETROIT LUBRICATOR COMPANY, Detroit, Mich.
Filed March 5, 1923. Serial No. 176,955. PUBLISHED JUNE 5, 1923.

173,042. SAFETY PAPER—VIZ, BANK CHECKS. THE BANKERS SUPPLY CO., Denver, Colo., and Chicago, Ill.
Filed April 20, 1923. Serial No. 179,391. PUBLISHED JUNE 5, 1923.

173,043. WRAPPING PAPER. ORONO PULP & PAPER COMPANY, Bangor, Me.
Filed April 23, 1923. Serial No. 179,549. PUBLISHED JUNE 5, 1923.

173,044. ARTIFICIAL FISH BAITS. WATER-WITCH COMPANY, Lake Odessa, Mich.
Filed March 3, 1923. Serial No. 176,929. PUBLISHED JUNE 12, 1923.

173,045. NAIL POLISH IN POWDER FORM. IRVING RODNEY PARSONS, doing business as I. R. Parsons & Co., Chicago, Ill.
Filed March 3, 1923. Serial No. 176,912. PUBLISHED JUNE 12, 1923.

173,046. PHARMACEUTICAL PREPARATION, BEING A CARDIOTONIC AND DIOTONIC. CHEMISCHE FABRIK VORMALS SANDOZ, Basel, Switzerland.
Filed March 3, 1923. Serial No. 176,882. PUBLISHED JUNE 12, 1923.

173,047. PHARMACEUTICAL PREPARATION, BEING A UTEROTONIC. CHEMISCHE FABRIK VORMALS SANDOZ, Basel, Switzerland.
Filed March 3, 1923. Serial No. 176,880. PUBLISHED JUNE 12, 1923.

173,048. MEDICINAL COMPOSITION FOR NEURASTHENIC DISORDERS. LECITHIN COMPANY, New York, N. Y.
Filed March 2, 1923. Serial No. 176,839. PUBLISHED JUNE 12, 1923.

173,049. TOILET PREPARATIONS. THE BEAUTEX LABORATORIES COMPANY, Cleveland, Ohio.
Filed March 2, 1923. Serial No. 176,817. PUBLISHED JUNE 12, 1923.

173,050. COAL-TAR DYES, COLORS, AND INTERMEDIATES. DYESTUFFS & CHEMICALS, INCORPORATED, St. Louis, Mo.
Filed March 1, 1923. Serial No. 176,789. PUBLISHED JUNE 12, 1923.

173,051. DENTAL ANÆSTHETIC. JOHN MILLS WILSON, San Diego, Calif.
Filed February 28, 1923. Serial No. 176,775. PUBLISHED JUNE 12, 1923.

173,052. PREPARATION FOR TREATING THE EYEBROWS AND EYELASHES. ROSS COMPANY, New York, N. Y.
Filed February 28, 1923. Serial No. 176,764. PUBLISHED JUNE 12, 1923.

173,053. CIGARS. EDWARD A. KLINE, doing business as E. A. Kline & Co., New York, N. Y.
Filed February 26, 1923. Serial No. 176,632. PUBLISHED JUNE 12, 1923.

173,054. TOY SLEDS AND WAGONS. COASTER COMPANY, Salt Lake City, Utah.
Filed February 26, 1923. Serial No. 176,603. PUBLISHED JUNE 12, 1923.

173,055. SKYLIGHTS. THE ALFRED C. GOETHEL CO., Milwaukee, Wis.
Filed February 26, 1923. Serial No. 176,619. PUBLISHED JUNE 12, 1923.

173,056. MOTOR TRUCKS. CLINTON MOTORS CORPORATION, New York, N. Y.
Filed February 24, 1923. Serial No. 176,536. PUBLISHED JUNE 12, 1923.

173,057. TRUCK BODIES. THE HEIL CO., Milwaukee, Wis.
Filed February 23, 1923. Serial No. 176,471. PUBLISHED JUNE 12, 1923.

173,058. TRUCK BODIES. THE HEIL CO., Milwaukee, Wis.
Filed February 23, 1923. Serial No. 176,470. PUBLISHED JUNE 12, 1923.

173,059. TRUCK BODIES. THE HEIL CO., Milwaukee, Wis.
Filed February 23, 1923. Serial No. 176,469. PUBLISHED JUNE 12, 1923.

173,060. TRUCK BODIES. THE HEIL CO., Milwaukee, Wis.
Filed February 23, 1923. Serial No. 176,468. PUBLISHED JUNE 12, 1923.

173,061. TRUCK BODIES. THE HEIL CO., Milwaukee, Wis.
Filed February 23, 1923. Serial No. 176,467. PUBLISHED JUNE 12, 1923.

173,062. TRUCK BODIES. THE HEIL CO., Milwaukee, Wis.
Filed February 23, 1923. Serial No. 176,466. PUBLISHED JUNE 12, 1923.

173,063. AGRICULTURAL AND GRASS SEEDS. SPRINGFIELD SEED COMPANY, Springfield, Mo.
Filed February 21, 1923. Serial No. 176,431. PUBLISHED JUNE 12, 1923.

[ACT OF MARCH 19, 1920, SEC. 1 (b)].

THESE REGISTRATIONS ARE NOT SUBJECT TO OPPOSITION.

173,064. (CLASS 15. OILS AND GREASES.) STANDARD OIL COMPANY OF NEW YORK, New York, N. Y. Filed July 13, 1923. Serial No. 183,171.

STANDARD OIL CO. OF NEW YORK.

Particular description of goods.—Petroleum and Products of Petroleum, with or without Admixture of Other Materials, for Illuminating, Heating, Power, Burning, Lubricating, Greasing, Solvent, Sealing, Waxing, Waterproofing, Coating, Rust Preventing, Surface Preserving, and Tempering.
Claims use since 1898.

173,065. (CLASS 12. CONSTRUCTION MATERIALS.) FISKE & COMPANY, INC., Boston, Mass. Filed June 21, 1923. Serial No. 182,299.

CALEDONIAN

Particular description of goods.—Bricks.
Claims use since February, 1907.

173,066. (CLASS 35. BELTING, HOSE, MACHINERY PACKING, AND NONMETALLIC TIRES.) PACIFIC COAST RUBBER & SUPPLY CO., San Francisco, Calif. Filed June 9, 1923. Serial No. 181,771.

GLASGOW

Particular description of goods.—Transmission Lining.
Claims use since April, 1921.

173,067. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) GRANITEVILLE MANUFACTURING COMPANY, Graniteville, S. C., and New York, N. Y. Filed June 2, 1923. Serial No. 181,484.

FINECLOTH

Particular description of goods.—Cotton Piece Goods.
Claims use since May 15, 1922.

173,068. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) ALFRED W. HINCHLIFFE, doing business as Webster Cider & Vinegar Co., Webster, N. Y. Filed Apr. 24, 1923. Serial No. 179,600.

ALPURE

Particular description of goods.—Vinegar.
Claims use since November, 1921.

173,069. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) J. F. BUTTS CO., San Francisco, Calif. Filed Apr. 4, 1923. Serial No. 178,550.

ISLETON

Particular description of goods.—Canned Vegetables.
Claims use since Nov. 10, 1921.

173,070. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) JACK BROS. & MCBURNEY CO., Brawley, Calif. Filed Mar. 29, 1923. Serial No. 178,251.

GOLDEN QUALITY

Particular description of goods.—Fresh Cantaloupes Fresh Vegetables, Fresh Deciduous Fruits, Fresh Citrous Fruits, and Fresh Grapes.
Claims use since 1910.

173,071. (CLASS 12. CONSTRUCTION MATERIALS.) SHREVEPORT CHEMICAL COMPANY, Shreveport, La. Filed Mar. 27, 1923. Serial No. 178,140.

FAST SET

Particular description of goods.—Material Used to Hasten the Setting and Lower the Freezing Point of Cement.
Claims use since May 1, 1922.

173,072. (CLASS 12. CONSTRUCTION MATERIALS.) SUPER CEMENT (AMERICA) COMPANY, LIMITED, Toronto, Canada. Filed Jan. 16, 1923. Serial No. 174,678.

SUPER CEMENT
Waterproof—Absolutely

Particular description of goods.—Portland Cements.
Claims use since Dec. 22, 1919.

173,073. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) THE O. P. BAUR CONF. CO., Denver, Colo. Filed Nov. 8, 1922. Serial No. 171,722.

Everything Good
"The Package that's Different"

Particular description of goods.—Candy.
Claims use since 1906.

173,074. (CLASS 21. ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES.) HERBERT H. FROST, Chicago, Ill. Filed Oct. 19, 1922. Serial No. 170,932.

Frost-Fones

Particular description of goods.—Radioreceivers.
Claims use since February, 1922.

173,075. (CLASS 50. MERCHANDISE NOT OTHERWISE CLASSIFIED.) THE CANFIELD RUBBER COMPANY, Bridgeport, Conn. Filed Sept. 30, 1922. Serial No. 170,120.

"WETPRUFE"

Particular description of goods.—Barber Bibs and Shampoo Protectors or Protective Devices to Fit Around the Neck and Shoulders of a Person.
Claims use since about 1914.

173,076. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) THE KONDIT CO., Chicago, Ill. Filed Sept. 11, 1922. Serial No. 169,305.

HOLSUM

Particular description of goods.—Salted Peanuts, Salted Almonds, Marshmallow Crème, Peanut Butter, Pepper Sauce, Olive Oil, Lemon Extract, Vanilla Extract, Olives, Prepared Mustard, Salad Mustard, Sweet Pickles, Salad Dressing, and Sweet-Pickle Relish Prepared with Chow-chow Dressing.
Claims use since December, 1917.

173,077. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) EPHRAIM SANITARY CANNING COMPANY, Ephraim, Utah. Filed Aug. 25, 1922. Serial No. 168,675.

Glenwood

Particular description of goods.—Canned Vegetables.
Claims use since June 15, 1922.

173,078. (CLASS 50. MERCHANDISE NOT OTHERWISE CLASSIFIED.) FRANK MONGIN DE SAUSSURE, Jr., doing business as Peerless Folding Ladder Co., Greenville, S. C. Filed Aug. 4, 1922. Serial No. 167,826.

PEERLESS
Eversafe
FOLDING LADDER

Particular description of goods.—Folding Stepladders.
Claims use since July 12, 1922.

173,079. (CLASS 21. ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES.) AARON L. LEWIS, doing business as A. L. Lewis Co., Canton, Ohio. Filed June 12, 1922. Serial No. 165,394.

U-SEE-IT

Particular description of goods.—Electrical Fuse Plugs.
Claim use since about May 5, 1922.

173,080. (CLASS 2. RECEPTACLES.) THE CHRISTOPHER CUNNINGHAM COMPANY, Brooklyn, N. Y. Filed Jan. 20, 1921. Serial No. 142,473.

Novelty Steam Boiler Works

Particular description of goods.—Tanks and Mash Tubs.
Claims use since 1870.

173,081. (CLASS 29. BROOMS, BRUSHES, AND DUSTERS.) HARDY NEWMAN & CO., also doing business as Parfait Powder Puff Co., Chicago, Ill. Filed May 28, 1923. Serial No. 181,303.

Parfait

Particular description of goods.—Powder Puffs.
Claims use since May, 1920.

173,082. (CLASS 35. BELTING, HOSE, MACHINERY PACKING, AND NONMETALLIC TIRES.) JOHN W. POHLMAN, doing business as J. W. Pohlman Co., Indianapolis, Ind. Filed May 25, 1923. Serial No. 181,148.

FIREPROOF

Particular description of goods.—Brake Linings.
Claims use since Sept. 1, 1920.

173,083. (CLASS 48. MALT BEVERAGES, EXTRACTS, AND LIQUORS.) THE EBLING COMPANY, New York, N. Y. Filed May 24, 1923. Serial No. 181,064.

NEW YORK MALT EXTRACT

Particular description of goods.—Malt Extract.
Claims use since April, 1920.

173,084. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) CHARLES J. DICKGIESSER, doing business as Charles J. Dickgiesser & Co., Derby, Conn. Filed Apr. 28, 1923. Serial No. 180,259.

LOKSEAM GUARDS

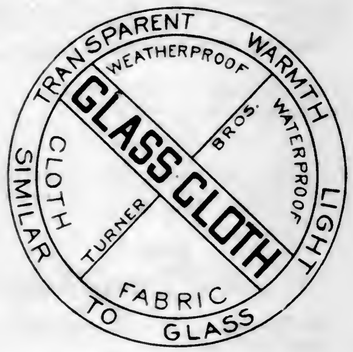
Particular description of goods.—Metal Guards for Machinery.
Claims use since Jan. 1, 1920.

173,085. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) E. EVERETT BUCHANAN, Jr., doing business as Rose Cerate Company, Elmira, N. Y. Filed May 16, 1923. Serial No. 180,687.

DARBY'S ROSE CERATE

Particular description of goods.—Antiseptic Remedy.
Claims use since Apr. 1, 1902.

173,086. (CLASS 50. MERCHANDISE NOT OTHERWISE CLASSIFIED.) ALFRED S. TURNER, doing business as Turner Brothers, Bladen, Nebr. Filed May 3, 1923. Serial No. 180,155.



Particular description of goods.—Weatherproof and Waterproof Glass Cloth.
Claims use since Sept. 1, 1916.

173,087. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) LUDWIG SCHERK, Berlin, Germany. Filed Apr. 30, 1923. Serial No. 179,967.

„Tarsia"

Particular description of goods.—Perfumery, Face Cream, Face Lotion, Rouge, Hair Tonic, Mouth Wash, and Tooth Paste.
Claims use since Jan. 1, 1913.

173,088. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) INLAND-DELRAY SALT CO., Detroit, Mich. Filed Mar. 29, 1923. Serial No. 178,250.



Particular description of goods.—Salt.
***Claims use* since Feb. 19, 1916.**

LABELS

REGISTERED SEPTEMBER 11, 1923.

26,363.—*Title:* BABY PEGGY. For Dolls. LOUIS AMBERG & SON, New York, N. Y. Published April 16, 1923.

26,364.—*Title:* ANT-ROACH POWDER. For Containers Containing an Insect Exterminator. ANT-ROACH POWDER COMPANY, Newark, N. J. Published January 6, 1923.

26,365.—*Title:* ANTI-ROACH POWDER. For Containers Containing a Roach Exterminator. ANT-ROACH POWDER COMPANY, Newark, N. J. Published January 6, 1923.

26,366.—*Title:* RAINBOW-SUNDAE. For Ice-Cream Tops and Cake Icing. ATLAS CANDY COMPANY, St. Louis, Mo. Published May 1, 1923.

26,367.—*Title:* A LITTLE OF EVERYTHING. For Chocolates. BUNTE BROTHERS, Chicago, Ill. Published June 1, 1923.

26,368.—*Title:* CLEANSE-ALL. For a Cleaning Preparation Made From Certain Pine Products. CLEANSE-ALL COMPANY, Wilmington, N. C. Published May 1, 1923.

26,369.—*Title:* FLOWER GARCIA. For Cigars. M. & D. DASTIN, New York, N. Y. Published July 27, 1923.

26,370.—*Title:* TINY POPS. For Stick Candy. DAVIS-REECE CO., INC., Brooklyn, N. Y. Published June 30, 1923.

26,371.—*Title:* FRANK'S QUALITY SAUERKRAUT. For Canned Sauerkraut. THE FRANK PURE FOOD COMPANY, Milwaukee, Wis. Published July 12, 1923.

26,372.—*Title:* OLD MISSION TOFFEE. For Toffee Candy. GEO. HAAS & SONS, San Francisco, Calif. Published July 25, 1923.

26,373.—*Title:* CARNATION BRAND MALT SYRUP. For Malt Syrup. I. & P. PRODUCTS CO., Brooklyn, N. Y. Published July 1, 1923.

26,374.—*Title:* FLEUR DE LIS. For Sulphur. KUTNER-GOLDSTEIN CO., San Francisco, Calif. Published June 18, 1923.

26,375.—*Title:* MAH DEUCK. For a Game. BEN LEVISON, doing business as Levison & Wilson, San Francisco, Calif. Published April 27, 1923.

26,376.—*Title:* MAR-SON PREPARATION. For Tooth Paste. MAR-SON MEDICINE CO., St. Louis, Mo. Published July 21, 1923.

26,377.—*Title:* MAYWOOD. For Canned Olives. MAYWOOD PACKING COMPANY, Corning, Calif. Published May 11, 1923.

26,378.—*Title:* MELODEW PREPARED LIQUID CHOCLET. For Chocolate. MELODEW CORPORATION, New York, N. Y. Published July 2, 1923.

26,379.—*Title:* HOLLAND S RAISIN BREAD. For Bread. MENASHA PRINTING AND CARTON COMPANY, Menasha, Wis., assignor to Holland Bread Company, Columbus, Ohio. Published July 3, 1923.

26,380.—*Title:* REALI-GOOD BUTTER. For Butter. MENASHA PRINTING AND CARTON COMPANY, Menasha, Wis., assignor to Farmers Union Creamery Assn. Inc., Maysville, Ky. Published June 9, 1923.

26,381.—*Title:* CLOVER BLOSSOM BUTTER. For Butter. MENASHA PRINTING AND CARTON COMPANY, Menasha, Wis., assignor to The French Bros.-Bauer Company, Cincinnati, Ohio. Published May 9, 1923.

26,382.—*Title:* TOPAZ DAIRY. For Butter. MENASHA PRINTING AND CARTON COMPANY, Menasha, Wis., assignor to Topaz Dairy, Hastings, Nebr. Published July 20, 1923.

26,383.—*Title:* BETSY ROSS. For Bread. MENASHA PRINTING AND CARTON COMPANY, Menasha, Wis., assignor to The Reynolds Baking Company, Columbus, Ohio. Published June 4, 1923.

26,384.—*Title:* PIPER'S ICE CREAM. For Ice Cream. MENASHA PRINTING AND CARTON COMPANY, Menasha, Wis. Published June 14, 1923.

26,385.—*Title:* PABST SHEBOYGAN. For Ginger Ale. PABST CORPORATION, Milwaukee, Wis. Published July 11, 1923.

26,386.—*Title:* PARRY'S VEGETABLE COMPOUND. For Vegetable Compound. THE PARRY VEGETABLE COMPOUND CO., Mansfield, Ohio. Published October 1, 1922.

26,387.—*Title:* MARVEL. For a Luting Composition. FRANK R. SCHULZ, St. Louis, Mo. Published December 30, 1922.

26,388.—*Title:* "BLUE FLAG" BRAND WHITE MEAT TUNA. For Canned Tuna Fish. NAOSABURO TATSUKAWA, doing business as Ono Trading Co., San Francisco, Calif. Published July 7, 1923.

PRINTS

REGISTERED SEPTEMBER 11, 1923.

6,877.—*Title:* HALF PAST EIGHT-TEN O'CLOCK. For Domestic-Labor-Saving Devices, Particularly Ironers. THE APEX ELECTRICAL MANUFACTURING COMPANY, Cleveland, Ohio. Published May 28, 1923.

6,878.—*Title:* STOP YOUR OWN ROOF LEAKS WITH FEDER'S JIFFY EASY ROOF REPAIR OUTFIT. For Roof-Repair Outfit. DAVID H. FEDER, doing business as Progressive Sales & Paint Company, Chicago, Ill. Published July 3, 1923.

6,879.—*Title:* CAP'N GRAPEJACK. For Nonalcoholic, Noncereal, Maltless Beverages. THE GOOD-GRAPE COMPANY, Chattanooga, Tenn. Published March 15, 1923.

6,880.—*Title:* HINDS HONEY AND ALMOND CREAM. For Honey and Almond Cream. A. S. HINDS CO., Portland, Me. Published July 23, 1923.

6,881.—*Title:* GRIDLEY. For Metal-Working Machines and Tools. THE NATIONAL ACME COMPANY, Cleveland, Ohio. Published July 12, 1923.

6,882.—*Title:* MY WIFE ASKED ME TO DO THIS. For Palmolive Shampoo. THE PALMOLIVE COMPANY, Milwaukee, Wis. Published August 1, 1923.

6,883.—*Title:* WHY NOT BOTH IN ONE? For Dental Cream. E. R. SQUIBB & SONS, New York, N. Y. Published March 22, 1923.

6,884.—*Title:* THE PRICELESS INGREDIENT. For Drugs. E. R. SQUIBB & SONS, New York, N. Y. Published December 16, 1922.

6,885.—*Title:* DIFFERENT FROM ALL OTHER TOOTH PASTES. For Dental Cream. E. R. SQUIBB & SONS, New York, N. Y. Published March 31, 1923.

6,886.—*Title:* ESSO. For Petroleum, Gasoline, Refined Oils, Lubricating Oils, Greases, and Other Petroleum Products. STANDARD OIL COMPANY (NEW JERSEY), Bayonne, N. J. Published July 6, 1923.

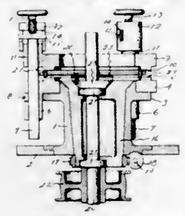
6,887.—*Title:* PUT YOUR NAME ON MY FACE. For Thermometers. STANDARD THERMOMETER CO., Boston, Mass. Published July 31, 1923.

REISSUES.

SEPTEMBER 11, 1923.

15,684. LAPPING MACHINE. EDWARD A. SUVERKROP, Sea Cliff, N. Y.; Jenny Hamilton Suverkrop, administratrix of said Edward A. Suverkrop, deceased, assignor to Jenny Hamilton Suverkrop, Sea Cliff, N. Y. Filed Jan. 16, 1920. Serial No. 351,956. Original application filed Mar. 23, 1917, Serial No. 156,853. Renewed Jan. 2, 1918, Serial No. 210,072. Original No. 1,257,046, dated Feb. 19, 1918. 21 Claims. (Cl. 51—161.)

1. A lapping machine having parallel lap plates with abrasive opposing surfaces mounted so the distance between them can be decreased, means for guiding the lap plates as they move one towards the other, adjustable stops for limiting the closing together of the lapping surfaces, a work plate between the lap plates, and means for imparting relative movement between the lap plates and the work plate in more than one direction, whereby the opposite surfaces of the pieces carried by the work plate

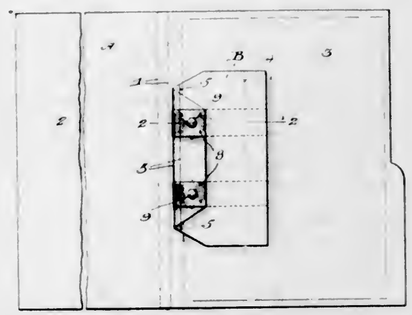


will be subjected to the abrasive action of the lapping surfaces of the lap plates.

PATENTS

GRANTED SEPTEMBER 11, 1923.

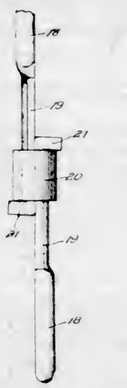
1,467,294. FILING DEVICE. WILLIAM MACK AYDELOTTE, New York, N. Y. Filed Apr. 2, 1919. Serial No. 286,865. 5 Claims. (Cl. 129—19.)



4. An article of manufacture comprising an attachment for file systems, said attachment consisting of a body portion, means for securing the body portion to a cover, the body portion being provided with a number of creases spaced from the securing means to provide a folding flap and having two sets of spaced openings, the spaced openings of one set adapted to register with the spaced openings of another set when the said attachment is folded upon itself, fastening devices carried by said attachment in said openings, whereby the folding flap may be folded over the remainder of the body portion for filing papers in book form, or may be folded beneath the remainder of the body portion for filing papers in the reverse order.

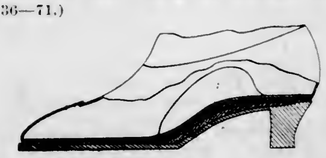
1,467,295. OPERATING DEVICE FOR COUPLING PINS. JULIUS J. ACKER, Chicago, Ill.; Irvin D. Acker, administrator of said Julius J. Acker, deceased, assignor of one-half to George S. Goodwin, Chicago, Ill. Filed Aug. 15, 1921. Serial No. 492,220. 8 Claims. (Cl. 213—166.)

1. The combination with the locking device of a car coupling and an operating lever therefor, of an extensible freely movable link connection between said lever and said locking device comprising two sections and a member permanently connecting said link sections and holding the



same substantially in alinement and against substantial relative rotary movement but permitting relative longitudinal movement thereof, substantially as described.

1,467,296. SHOE. EMMERICK ANDERSON, Dayton, Ky. Filed Nov. 28, 1921. Serial No. 518,398. 2 Claims. (Cl. 36—71.)

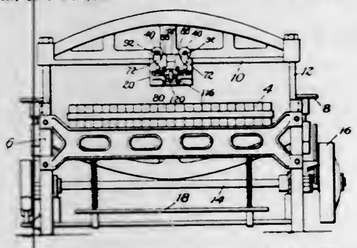


1. In a shoe, a complete inner sole made in two parts, a main section extending from toe to heel and channeled from the toe to the ball of the foot, an extension piece of similar material to engage the instep of the foot,

channeled along its inner edge and sewed through the channels to the main insole section at the instep portion to take an upstanding position and to abut the sides of the insole, and a second section for the shank portion channeled on each edge from the ball to the heel, with stiffening material interposed between the two portions and the parts secured together to form a complete inner sole.

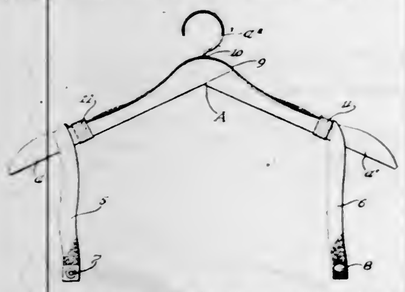
2. In a shoe, a complete inner sole made in two parts, a main section extending from toe to heel and channeled from the toe to the ball of the foot, an extension piece of similar material to engage the instep of the foot, channeled along its inner edges and sewed through the channels to the main insole section at the instep portion to take an upstanding position and to abut the sides of the insole, and a second section for the shank portion channeled on each edge from the ball to the heel with a metal shank piece extending from the ball to the heel interposed between the two insole sections, said metal shank piece having a metal tongue curved to correspond to the extension piece of the main section, and the parts secured together to form a complete inner sole.

1,467,297. PRESS. MILTON H. BALLARD, Lynn, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J., a Corporation of New Jersey. Filed Mar. 13, 1920, Serial No. 365,399. Renewed Mar. 17, 1922. Serial No. 544,686. 44 Claims. (Cl. 164—23.)



1. In a machine of the class described, a work supporting bed, a reciprocable presser member having a guideway, in combination with a presser block slidably supported on said guideway and movable along the under surface of the presser member, and means interposed between the presser member and block for taking up lost motion of the block and preventing backlash of the block during the operation of the machine.

1,467,298. ATTACHMENT FOR GARMENT HANGERS. ALICE C. BARKER, Allston, Boston, Mass. Filed June 6, 1922. Serial No. 566,308. 4 Claims. (Cl. 211—13.)

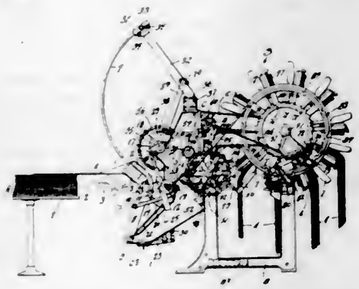


1. The combination with a garment hanger having diverging arms, of a strip of flexible material upon the upper surface of said arms to oppose frictional resistance to the slipping movement of a garment along said arms, the ends of said strip being of a length to permit them to be fastened together to form a flexible connection between the arms to securely retain a garment thereon.

1,467,299. METHOD OF POLYMERIZING GLYCERIN. RAYMOND I. RASHFORD, Cleveland, Ohio, assignor to The Grasselli Powder Company, Cleveland, Ohio, a Corporation of Ohio. Filed Oct. 17, 1921. Serial No. 508,219. 3 Claims. (Cl. 260—156.5.)

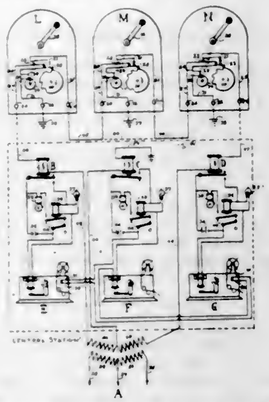
1. In a method of polymerizing glycerin, the steps which consist in treating glycerin with a metallic chloride.

1,467,300. SHEET ACCUMULATOR. BIRNEY C. BATCHELLER, Brooklyn, N. Y., assignor to Bemis Bro. Bag Co., St. Louis, Mo., a Corporation of Missouri. Filed Jan. 16, 1922. Serial No. 529,697. 26 Claims. (Cl. 93—93.)



1. An accumulator comprising a sheet-holder wherein the sheets accumulate, a sheet-feeder whereby the sheets are successively delivered to said sheet-holder, counting means whereby said sheet-holder is shifted in response to a predetermined number of feeding operations, said counting means including a driving pawl and ratchet, a counting pawl and ratchet controlling said driving pawl and ratchet, and a controller for said pawls and ratchets, said controller including a pair of segmental pawl displacers adapted to separate both pawls from their ratchets, operating means including a driven member movable to actuate both pawl displacers, a drive member adapted to actuate said driven member, and a feeler whereby one of said members is displaced relative to the other to control the transmission of motion from the drive member to the driven member, said feeler being in the path of the sheets engaged by said feeder.

1,467,301. SIGNALING SYSTEM. CLARENCE E. BEACH, Binghamton, N. Y. Filed Jan. 7, 1920. Serial No. 349,949. 13 Claims. (Cl. 177—367.)



1. In code signal manifesting mechanism for a circuit having alternative current paths,—means for responding to signaling impulses distinctively as to respective ones of two of such paths, and means operable incidentally to

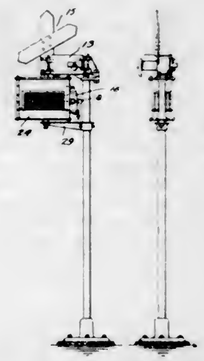
manifestations of impulses distinctive of one of said paths to prevent manifestations in response to impulses in the other of said paths.

1,467,302. DISPLAY APPLIANCE. ALEXIS W. BEARCE, Niagara Falls, N. Y., assignor to William A. Rogers, Limited, a Corporation of Ontario, Canada. Filed May 15, 1922. Serial No. 561,107. 1 Claim. (Cl. 211—28.)



In a device of the class described, a pad having a slot between the upper and the lower and the side edges thereof, and a rack involving a notched body and a covering for the body, the covering being projected into the notches of the body, and the body and its covering being projected through said slot from one side of the pad so as to project from the opposite side of the pad with the covering extending over the sides and the ends and the upper surface of the body and into the slotted portion of said body.

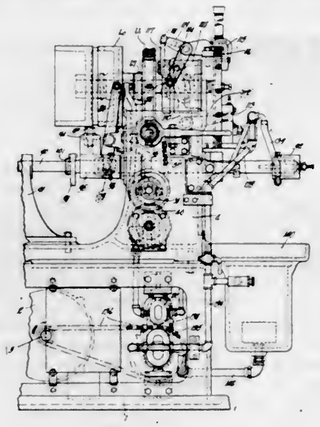
1,467,303. HIGHWAY-CROSSING PROTECTION. HENRY REZER, Arlington, N. J. Filed Aug. 28, 1918. Serial No. 251,861. 9 Claims. (Cl. 177—339.)



6. In a signal, indicating means biased to indicate danger, means comprising a motor and a magnetic clutch co-operating with the signal whereby said signal is moved to safety position and is held by said magnetic clutch in safety position, a power supply for the motor, a power supply for the magnetic clutch, means whereby both power supplies are connected in series to energize the magnetic clutch for the movement of the signal to safety position and means whereby the first power supply is discontinued from the magnetic clutch when the signal arrives at the safety position.

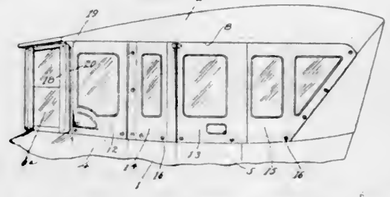
1,467,304. AUTOMATIC SCREW MACHINE. JOHN J. BOSSHARD, Chicago, Ill., assignor to The Hill Pump Valve Company, Chicago, Ill. Filed July 23, 1920. Serial No. 398,346. 27 Claims. (Cl. 29—52.)

1. In a machine of the character described, a frame, a plurality of spindles in said frame adapted to feed and rotate stock bars and arranged in a common horizontal plane, vertically reciprocating tool slides adapted to act on the forward ends of said bars, means for imparting rotation to said spindles, means arranged above said



spindles for actuating said spindles and tool slides and a drive shaft concentric with said first named means, for imparting movement to said actuating means.

1,467,305. VEHICLE BODY. LOUIS J. BUOB, Cincinnati, Ohio, assignor to Buob & Scheu, a Firm composed of Fred D. Buob, Louis J. Buob, Frona Buob, and Marie Buob, doing business at Cincinnati, Ohio. Filed Nov. 8, 1919. Serial No. 336,587. 2 Claims. (Cl. 296—138.)

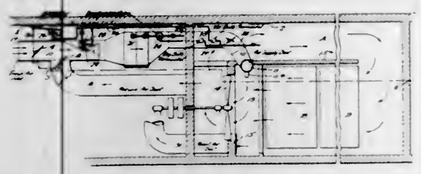


2. In a device of the character described, the combination with a front door curtain secured to and adapted to swing with the door away from the front of the car of a member secured at the front to the forward end of the machine and having a flap at substantially a right angle to the front portion, to lie inside of the door curtain when the door is closed, said member having in addition an outwardly extending member to form a wind guard at the line of juncture of the front of the door curtain with said flap.

1,467,306. METHOD OF AND APPARATUS FOR DRYING AND CONDITIONING MATERIALS. WILLIS H. CARRIER, Essex Fells, N. J., assignor to Carrier Engineering Corporation, Newark, N. J. Filed Oct. 14, 1921. Serial No. 507,670. 10 Claims. (Cl. 34—19.)

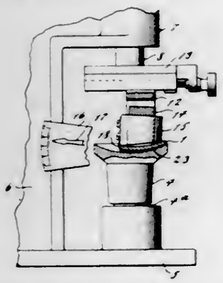
5. The hereindescribed method of drying material which consists in circulating a body of air through the material in a drying chamber, supplying to and mixing with said circulating body of air a relatively much smaller volume of air, maintaining a predetermined wet bulb temperature of said smaller volume of supplied air previous to its supply to the chamber by mixing fresh air and return air from the drying chamber and regulating its humidity under the control of the wet bulb

temperature of said air supplied to the drying chamber, and regulating the dry bulb temperature of said smaller volume of supplied air, so that said supplied air enters the drying chamber with a predetermined dry bulb tem-



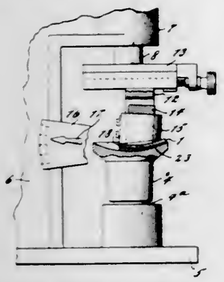
perature higher than the temperature of the circulating mixed air entering and leaving the material, whereby a predetermined weight of moisture is evaporated per unit quantity of the smaller volume of air supplied.

1,467,307. LENS-BLOCKING MECHANISM. GEORGE A. CLEMENT and HANS CLEMENT, Mount Vernon, N. Y., assignors to General Optical Company, a Corporation of New York. Filed May 20, 1921. Serial No. 471,059. 12 Claims. (Cl. 51—277.)



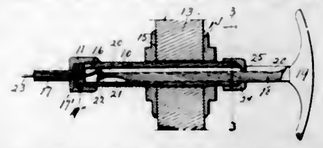
1. A lens blocking device comprising a block holder, a lens holder and a support therefor, one of the holders being reciprocable toward and from the other and the lens holder being adjustable relative to the direction of said movement.

1,467,308. METHOD OF GRINDING ONE-PIECE BIFOCAL LENSES. GEORGE A. CLEMENT and HANS CLEMENT, Mount Vernon, N. Y., assignors to General Optical Company, a Corporation of New York. Filed May 20, 1921. Serial No. 471,060. 3 Claims. (Cl. 51—278.)



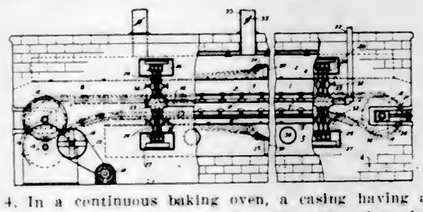
1. The method of grinding one-piece bifocal lenses consisting in grinding a concave spherical surface over the entire face of one side of a piece of glass, then applying the piece of glass to a preliminary holder with the axis of the holder intersecting the geometric center of the proposed segment, then bringing the holder in opposition to a pitch covered block in axial alignment therewith and with the unground surface of the piece of glass embedded in the pitch, then releasing the glass from the holder and allowing the pitch to harden, and then grinding a second spherical surface of longer radius in said first surface about the axis of the block as the axis of generation.

1,467,309. DASH CONTROL DEVICE. ALLYN R. COOPER, Marshalltown, Iowa. Filed Nov. 18, 1921. Serial No. 516,028. 4 Claims. (Cl. 74—39.)



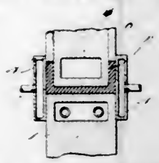
1. A dash control-device, comprising a bearing adapted to be mounted in a dash and formed with integral gripping means, a stem loosely mounted in said bearing, a draft device on said stem and extending from the bearing, and means on and operated by the stem for actuating the gripping means and thereby connecting the stem and bearing against movement relative to each other.

1,467,310. CONTINUOUS BAKING OVEN. IRWIN ELLIOTT, New York, N. Y. Filed May 17, 1922. Serial No. 561,583. 4 Claims. (Cl. 107—57.)



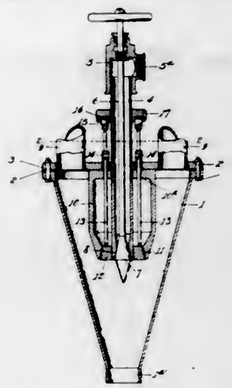
4. In a continuous baking oven, a casing having an oven and heating chambers on opposite sides thereof in thermal relation to the oven, means to convey material to be baked within the oven, a supply pipe for fluid fuel, branch pipes of different lengths extending from the supply pipe into the corresponding chamber, each of the branch pipes being provided with a burner, said burners being spaced apart transversely within the corresponding chamber.

1,467,311. METHOD OF MAKING WATERPROOF AND ACIDPROOF RECEPTACLES. JAMES P. ELLIOTT, Chicago, Ill.; Mary Broders Elliott executrix of said James P. Elliott, deceased. Filed Oct. 28, 1920. Serial No. 420,280. 5 Claims. (Cl. 18—56.)



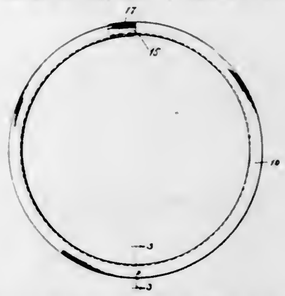
1. The method of making a receptacle which consists in forming a pile of sheets composed of fibrous material and a material which is plastic at certain temperatures, some of the sheets being open at the center and the others extending across the opening to form the bottom of the receptacle, and then compressing the pile at one of the aforesaid temperatures to compact and densify the sheets and unite them into a unitary homogeneous body in which that portion forming the sides of the receptacle is shallower and thicker than in the original pile.

1,467,312. VACUUM-PRODUCING APPARATUS. IRA E. EWING and HARRY HINERMAN, Wheeling, W. Va. Filed June 23, 1922. Serial No. 570,414. 10 Claims. (Cl. 230—13.)



1. A vacuum producing apparatus comprising a funnel-like casing having its upper end closed and having its reduced lower end adapted for connection with a drain, an axially disposed water-inlet nozzle comprising a vertical pipe and a valve adjustable with respect to the discharge end of said pipe and adapted to direct water against the walls of said casing in the form of a circular sheet, means for introducing a second sheet of water into impinging relation to said casing walls at a level above that of the first sheet, and a cleaning tube opening into said casing above the discharge level of said water introducing means.

1,467,313. TIRE FLAP. JOHN R. GAMMETER, Akron, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y., a Corporation of New York. Filed Aug. 9, 1922. Serial No. 580,652. 5 Claims. (Cl. 152—20.)



5. A floating flap for pneumatic tires formed with a hole for receiving the valve stem of the inner tube and having overlapped ends substantially opposite said valve hole, a male member of a snap fastener mounted on one of said ends and having its detachably-engaging portion on the outer side of the flap, and a longitudinal row of complementary members of snap fasteners mounted on the other end for detachably securing said ends together.

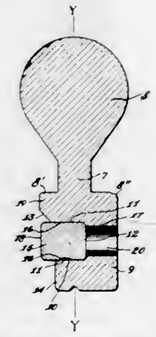
1,467,314. MORTAR HOD. NATHAN ALLEN GIBBONS, Martins Ferry, Ohio, assignor to Whitaker-Glessner Company, Wheeling, W. Va., a Corporation of West Virginia. Filed Aug. 11, 1921. Serial No. 491,370. 1 Claim. (Cl. 72—134.)

In a mortar hod, a sheet metal trough comprising opposite relatively inclined and forwardly convergent side walls, a flat bottom intermediate said walls, said bottom being a triangular form with its apex at the front end of the trough, the rear end portion of said bottom having such width that a substantial flat seating area is pro-



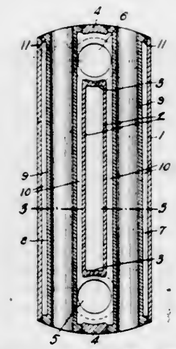
vided for resting upon a shoulder of the user, and a rear end wall closing the rear end of said trough.

1,467,315. COLLAPSIBLE CORE. FRANK H. GROVE, Columbiana, Ohio. Filed Jan. 14, 1921. Serial No. 437,298. Renewed July 30, 1923. 3 Claims. (Cl. 18—45.)



2. A sectional core for automobile tires or the like having enlarged flanges on the inner side of the sections, normally alined annular grooves in one face of the flanges having parallel sides perpendicular to the plane of the core and extending a substantial distance beyond the medium plane of the core, and a ring having parallel faces perpendicular to its plane formed to fit tightly between the sides of the groove and adapted to be driven into the groove beyond said median plane for securing the core sections in circumferential alinement.

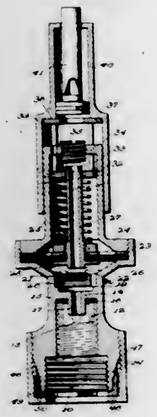
1,467,316. RADIATOR. JOSEPH WILLIAM GUIMONT, Montreal, Quebec, Canada, assignor of one-half to Mendoza Langlois, Montreal, Quebec, Canada. Filed Dec. 19, 1921. Serial No. 523,504. 1 Claim. (Cl. 257—142.)



A radiator section comprising an outer casing provided with openings; horizontal central walls at each end of

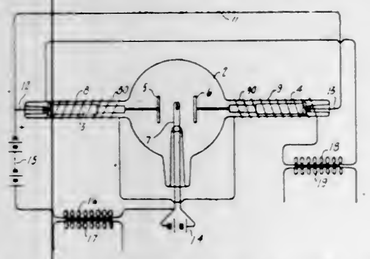
said casing; tubes arranged parallel to said casing and provided with a flange at each end, each of said flanges being adapted to snugly fit against the inner side of the outer casing and the inner side of said central wall; and V shaped securing means for fastening said tubes in place.

1,467,317. LOW-PRESSURE ALARM FOR PNEUMATIC TIRES. WILLIAM A. HARRIS, Greenville, S. C., assignor to Harris Accessory Company, Greenville, S. C., a Corporation of South Carolina. Filed May 5, 1922. Serial No. 558,823. Renewed Feb. 20, 1923. 5 Claims. (Cl. 116—34.)



4. In a low pressure alarm, a casing having an alarm and alarm controlling and actuating means therein, a holder supporting the casing and having a lower threaded bore to receive the valve tube of a tire, and also having a lower externally threaded portion provided with an inclined surface, a locking band threaded to engage the external threads of the stem, and a wedge ring lengthwise shiftable on and non-rotatably engageable with a valve tube, said wedge ring having an inclined surface and being carried with the locking ring for movement with the latter into binding engagement with the inclined surface of the holder.

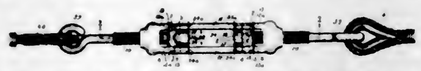
1,467,318. ELECTRON-DISCHARGE DEVICE. WILLIAM J. HERDMAN, Toronto, Ontario, Canada. Filed Aug. 17, 1920. Serial No. 404,065. 9 Claims. (Cl. 250—27.)



8. In an electron discharge device, a cathode, anodes and magnetostrictional means for varying the distance between said cathode and said anodes.

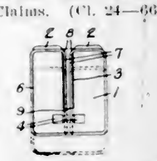
1,467,319. TURNBUCKLE LOCK. RICHARD A. HOFFMANN, Rosebank, N. Y. Filed Oct. 29, 1919. Serial No. 334,257. 8 Claims. (Cl. 85—36.5.)

1. In a turnbuckle, comprising a slotted buckle and one or two rods threaded into the buckle, the combination with a perforated frame sliding in the slotted portion of said buckle and forming a male and female locking union with the inner end of the threaded rod, whose end section is of such particular shape that when rotated it will fit at different angles into the contour of the frame



perforation; of a gripping device supported by said frame and acting upon said threaded rod, and a spring, cooperating with the gripping device in such manner that it normally effects the grip of said device upon the threaded turnbuckle rod, while its actuation releases the gripping engagement.

1,467,320. PAPER CLIP. LOUIS ELZÉAR HUOT, Montreal, Quebec, Canada. Filed Feb. 10, 1922. Serial No. 535,508. 6 Claims. (Cl. 24—66.)

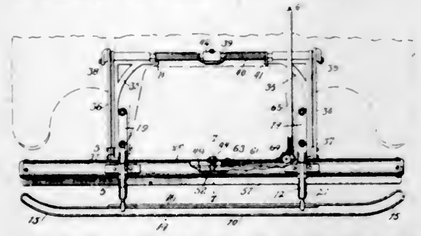


1. A paper clip, consisting of a self-complete unit comprising a base plate; a gripping member having a tendency to lie flat against the base plate and permanently connected to the same to slide longitudinally forward and backward thereon; and means on the base plate for limiting both movements of said member.

1,467,321. BINDER AND PROCESS OF MAKING SAME. HENRY HICKS HURT, Yonkers, N. Y. Filed Apr. 19, 1922. Serial No. 555,629. 8 Claims. (Cl. 22—188.)

3. As a new binder an ammoniated concentrated sulfite liquor freed of much or most of its mineral bases and containing a small proportion of petroleum oil emulsified therewith; said binder usually but not invariably containing some phosphoric acid and said binder when baked with sand passing into a form giving no color with water.

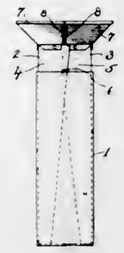
1,467,322. BUMPER OR FENDER FOR VEHICLES. FREDERICK E. HUTCHINGS, Brooklyn, N. Y., assignor to Hutchings Manufacturing Co., Inc., New York, N. Y., a Corporation of New York. Filed Mar. 3, 1922. Serial No. 540,793. 14 Claims. (Cl. 293—41.)



1. A device of the class described, including two pairs of superposed pivoted arms adapted to be supported by opposite side portions of a vehicle frame, a spring connecting the two arms of each pair and tending to swing them toward each other, stops limiting said swinging movement, and a pair of spaced bumper bars one carried by the two upper arms of said pairs and the other carried by the two lower arms of said pairs.

1,467,323. SACKING DEVICE. JAMES E. JEWELL, Kansas City, Mo. Filed Mar. 7, 1921. Serial No. 450,481. 1 Claim. (Cl. 226—59.)

A sacker comprising two members of channel form, said channels increasing in depth from one end to the other and the sides of the channel of one member being adapted to overlap the sides of the channel of the other member, the sides of the channels bearing a pivotal relation to each other; corresponding ends of the



channel members being enlarged to conjointly constitute a hopper, and lips on the side edges of such corresponding ends to limit the opening movements of the opposite ends of the channel members.

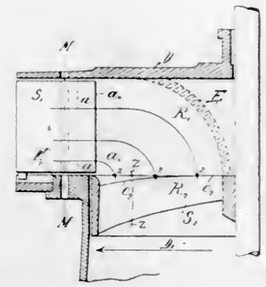
1,467,324. MOP. CHARLES JUMONVILLE, New York, N. Y. Filed Dec. 9, 1921. Serial No. 521,214. 3 Claims. (Cl. 15—120.)



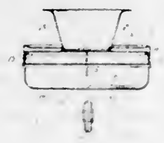
1. In a mop, a mop handle having a screw-threaded extremity, an elongated sleeve adapted to enclose a substantial portion of the mop handle, said sleeve having a screw-threaded end adapted for interengagement with the screw-threaded end of the mop handle, mop fabric, and a ferrule carried by the mop fabric and adapted to receive and have interengagement with the screw-threaded end of said mop handle enclosing sleeve.

1,467,325. DIRECTRIX FOR TURBINES AND THE LIKE. VICTOR KAPLAN, Brunn, Austria. Filed Dec. 17, 1914. Serial No. 877,782. 7 Claims. (Cl. 253—122.)

1. In a turbine including a suction pipe the combination of a guide wheel and a runner wheel, the latter provided with substantially axial flow runner spaces, into which the fluid is admitted by a substantially radial flow guide wheel, the guide vanes thereon projecting slightly or not at all over the wall of the suction pipe, thus providing a bladeless space in which the major part or the whole amount of fluid can be deflected about ninety degrees.

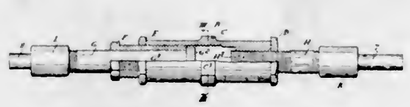


1,467,326. TOY TELEPHONE. JAMES KELLEY, New York, N. Y. Filed Aug. 12, 1922. Serial No. 581,345. 1 Claim. (Cl. 181—29.)



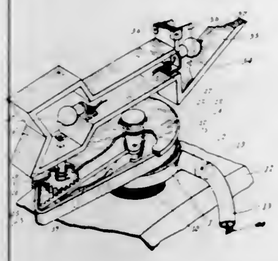
A toy telephone comprising a cup-shaped member having a central opening, and a mouthpiece mounted therein, a diaphragm located in said member, adjacent to the inner end of said mouthpiece, and a cup-shaped shell entered into and connected with said cup-member, said shell formed with a rounded, inner edge, upon which the diaphragm rests and formed with a clearance opening, and a cord connected with said diaphragm extending through said opening.

1,467,327. RAILWAY-SWITCH MECHANISM. CHARLES J. KELLOWAY, Wilmington, N. C. Filed Jan. 22, 1923. Serial No. 614,202. 7 Claims. (Cl. 246—452.)



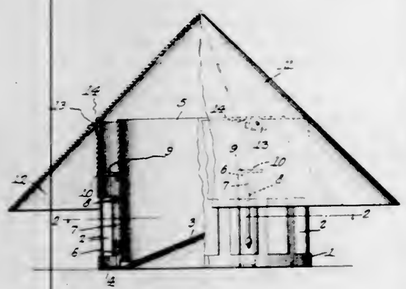
1. A lost motion device for use in connection with a railway switch and its operating mechanism, said device comprising a cylindrical housing open at both ends, a rod entering said housing at one end and thereby closing such end and constituting an abutment within the housing, a hollow bushing entering the housing at the other end and constituting a second abutment within the housing, and a plunger slidably mounted in said bushing and closing the associated end of the housing and movable between said two abutments.

1,467,328. AUTOMOBILE SIGNAL. FRANK A. KEMPE, St. Paul, Minn. Filed Dec. 21, 1922. Serial No. 608,174. 5 Claims. (Cl. 116—48.)



1. A signaling device, comprising in combination with a mud guard, a base adapted to be secured to the mud guard, said base including a vertical main pivot pin and a secondary pivot pin parallel to said main pivot pin and offset laterally therefrom; an arm member mounted on said main pivot pin to render it swingable laterally to position it transversely of the mud guard to bring its free end adjacent the outer edge of the latter; manually operated means for swinging said arm member, a horizontal elongated significatory element normally positioned adjacently directly over said arm member and extending in vertical longitudinal alinement with the mud guard, and connecting mechanism between said element and arm member, comprising a vertical shaft mounted for rotation in said arm member and having rigid connection with the adjacent end of said element; a gear concentric with said shaft and rotating therewith, and a gear rack in mesh with said gear, extending to said secondary pivot pin and engaging therewith to swing thereon concurrently with a swinging movement of said arm member, to thereby impart rotary movement to said gear, for the purpose set forth.

1,467,329. CHICKEN FEEDER. JOSEPH E. KESTERSON, Clio, Iowa, assignor of one-half to C. R. Shriver and J. R. Shriver, Clio, Iowa. Filed Oct. 21, 1922. Serial No. 596,048. 2 Claims. (Cl. 119—53.)



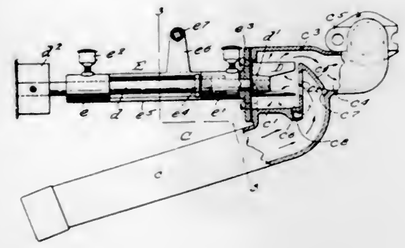
1. In a poultry feeder of the class described, a substantially cone-shaped base having its edge upturned to form a flange, a casing adapted to snugly receive said flange and having openings arranged therein, a hopper having both ends open and adapted to be concentrically arranged within the casing, inverted L-shaped brackets adjustably secured to the hopper and adapted to support the same at a distance from the base and to space the hopper from the casing, and a conical cover adapted to rest on the upper edge of the casing and having its lower end overhanging the casing to form a shelter for the younger chickens and to exclude the larger fowls.

1,467,330. COMBINED STORM SASH AND WINDOW SCREEN. BENJAMIN F. LADUE, Raymond, Wash. Filed July 25, 1921. Serial No. 487,253. 2 Claims. (Cl. 98—31.)



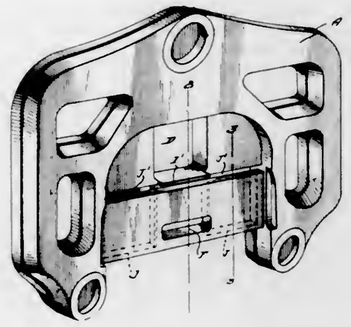
1. In combination, a window frame, a pair of spring rods extending outwardly from the window frame, a strip pivotally supported between the outer ends of said spring rods and adapted to be adjusted to extend at an angle with relation to the plane in which the window frame is disposed, the inner edge of said strip resting against the window frame and so held by the tension of the spring rods, and said strip being also adapted to be rotated and one of its faces brought to rest against the window frame and held in this position by the spring rods.

1,467,331. LIQUID-CIRCULATING PUMP. EDWARD F. MCDONALD, HOWARD KLEIN, and LUCIEN L. HAAS, Buffalo, N. Y., assignors to McDonald-Klein Distributing Company, Buffalo, N. Y. Filed Aug. 24, 1921. Serial No. 494,924. 4 Claims. (Cl. 108—103.)



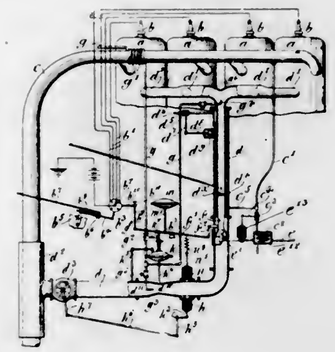
1. In a pump for insertion in the fluid circulating cooling system of internal combustion engines, the combination of a flow passage member having an impeller casing provided with an open side and inlet and outlet passages, an impeller including an impeller support, an impeller shaft, bearings for said shaft which are spaced apart and separated from each other by an intervening space, said support including a rigid connecting member forming substantially a continuation of said bearings and formed integral therewith, said impeller support having a portion adapted to support said impeller in said impeller casing and to close the open side of said impeller casing, means for connecting a portion of said flow passage member adjacent its outlet passage to the engine, said rigid connecting member of the impeller support being spaced from contact with the outside of the engine.

1,467,332. SECTIONAL-FURNACE CONSTRUCTION. JAMES F. MCINTIRE, Detroit, Mich., assignor to United States Radiator Corporation, Detroit, Mich., a Corporation of New York. Filed May 22, 1920. Serial No. 383,389. 16 Claims. (Cl. 110—75.)



1. A front unit for sectional furnaces formed with an ash pit and an opening thereinto, a closure for said opening, and an inverted L shaped passage rising from said opening and discharging adjacent the normal fuel level of the furnace.

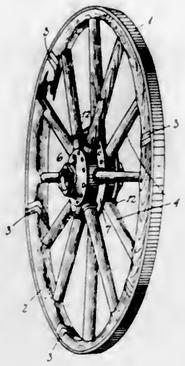
1,467,333. CONTROLLING INTERNAL-COMBUSTION ENGINES. RUDOLPH RIEGE, Montclair, N. J. Filed Feb. 28, 1917. Serial No. 151,451. 12 Claims. (Cl. 123—119.)



1. Apparatus for controlling the fuel-supply for an internal combustion engine, comprising a supply pipe provided with connections for the supply of air and fuel, measuring devices responsive to variations in the velocity of flow through the supply pipe, and means to control the supply of fuel in operative relation with the measuring devices.

1,467,334. VEHICLE WHEEL. JOSÉ GAUDALUPE ROSILLO, Mexico, Mexico. Filed Aug. 22, 1921. Serial No. 494,113. 3 Claims. (Cl. 301—59.)

3. A wheel having a rim portion, a hub portion provided with an annular flange and, at each side of such flange, with circumferential tapered surfaces flaring toward said flange, spokes the outer end of which are connected with said rim portion, while their inner ends are fitted against said flange and against said tapered surfaces and are beveled to fit the surfaces flaring



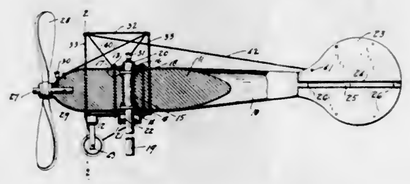
toward the flange, and means for pressing the inner ends of the spokes toward said flange and wedging them on said tapered surfaces of the hub portion.

1,467,335. BUTTON. JOSEPH OMER ROY, Montreal, Quebec, Canada. Filed Nov. 17, 1922. Serial No. 601,666. 3 Claims. (Cl. 24—108.)



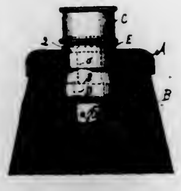
1. A button comprising a pair of coacting members, one of which embodies a casing provided with a pair of internal bosses and with a central hole, the other member embodying a locking stem for insertion through said hole; and a semi-circular spring within said casing having its end portions curved inwardly and engaged with said stem adjacent their terminals, said curved portions being engaged with said bosses to prevent the spring from turning within the casing.

1,467,336. WEATHER VANE. MICHAEL R. RUMFELT, South Lima, N. Y. Filed June 7, 1922. Serial No. 566,628. 7 Claims. (Cl. 73—55.)



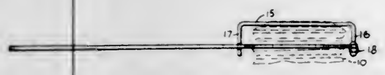
1. A toy aeroplane adapted for use as a weathercock embodying fuselage and upper and lower planes, braces extending intermediate the upper and lower planes and each provided at the ends thereof with angularly bent portions abutting the adjacent faces of the plane sections, and integral portions of said plane sections looped about the angular ends of said braces.

1,467,337. BRUSH. ORA A. RUNKLE, Wooster, Ohio. Filed May 15, 1922. Serial No. 561,248. 2 Claims. (Cl. 15—128.)



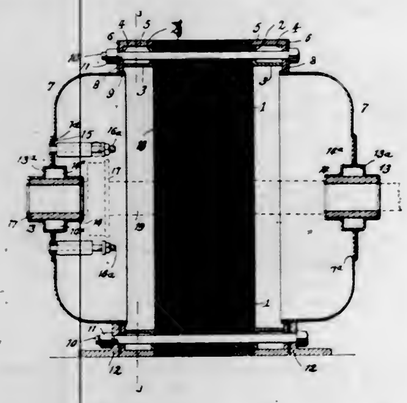
1. In a brush of the character described, the combination with a ferrule, a body of brush material assembled therein, a central opening thru the brush material, a tubular plug driven into said opening a limited distance in engagement with the surrounding brush material, a hose connecting nipple secured in the bore of said plug, and a thimble having lateral perforations secured to the lower end of said plug, substantially as set forth.

1,467,338. PRESERVING RECEPTACLE. MARTIN SALOUN, Milwaukee, Wis. Filed Feb. 12, 1921. Serial No. 444,362. 4 Claims. (Cl. 81—3.1.)



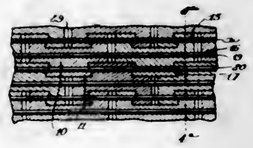
3. A tool for removing or replacing a threaded bottle cap, provided with a transverse recess in its upper portion, comprising a member shaped to enter the transverse cap recess and having downwardly extending terminal portions, and handles having semicircular portions which engage the opposite sides of the cap and are pivotally connected to one of the depending terminal portions, the other depending terminal portion extending between and engaged by the handles.

1,467,339. ELECTRODYNAMIC MACHINE. AMATO N. SAMMARONE, Cleveland, Ohio. Filed May 31, 1921. Serial No. 473,703. 3 Claims. (Cl. 172—36.)



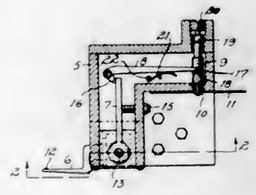
1. In a housing for electrodynamic machines, inner rings which are L-shaped in cross section and adapted for clampingly engaging a laminated field, and outer rings which are L-shaped in cross section, said last named rings in interlocked engagement over said first named rings, and bonnets having annular flanges for engaging the last named rings, and means for fastening said elements together.

1,467,340. WALL CONSTRUCTION. ABRAM SIEGEL, Rochester, N. Y. Filed June 27, 1922. Serial No. 571,230. 10 Claims. (Cl. 72—38.)



1. A building partition comprising a plurality of blocks laid one upon another in courses, and each provided with means for interlocking engagement with a plurality of blocks of an adjacent course to lock the blocks of each course and also adjacent courses together, said blocks being formed with openings therein arranged to extend in alignment with one another in each course, and a tie member passed through the aligned openings of the blocks of each course to secure the same together.

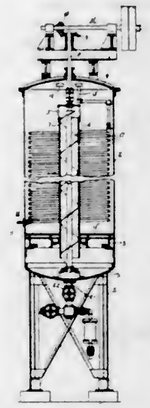
1,467,341. INDICATING GAUGE. ERNEST G. STRONG, Canton, Ohio, assignor to The Timken Roller Bearing Company, Canton, Ohio, a Corporation of Ohio. Filed Jan. 21, 1922. Serial No. 530,777. 3 Claims. (Cl. 33—172.)



1. The combination with a lathe or similar machine, of a gauge for indicating diameter of the work, said gauge having a stylus in position to bear against the work, a pointer, a multiplying system for transmitting motion from the stylus to the pointer, and adjustable means cooperating with said multiplying system for stopping said pointer in a predetermined position which will indicate that the gauge is set for work of a given size.

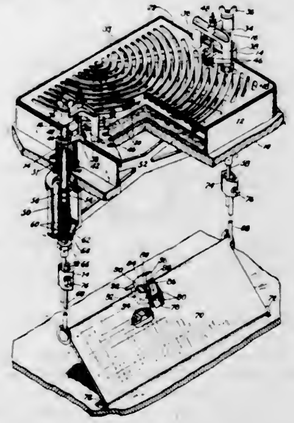
1,467,342. APPARATUS FOR DISSOLVING SOLIDS. EDWARD A. TAYLOR, Cleveland, Ohio, assignor to The Grasselli Chemical Company, Cleveland, Ohio, a Corporation of Ohio. Filed May 23, 1918. Serial No. 236,120. 4 Claims. (Cl. 23—31.)

1. In apparatus of the character described, the combination of a cylindrical casing, a grill disposed thereacross adapted to maintain a finely divided material therein, an open-ended conduit mounted longitudinally



in said casing, and means adapted to cause a gentle circulation of solvent and material through said conduit and casing.

1,467,343. COATING APPARATUS. CHARLES B. TINBETTS, Walpole, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J., a Corporation of New Jersey. Filed Jan. 2, 1920. Serial No. 348,814. 34 Claims. (Cl. 91—47.)



1. In a coating apparatus, a coating member having a series of applying portions curved throughout their length in one direction only.

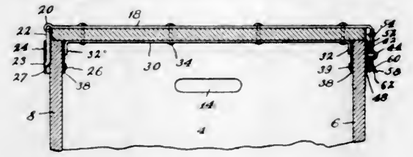
7. In a coating apparatus, a grid of cast metal having a finished applying surface and adjacent rounded edges of unfinished metal.

11. In a coating apparatus, a reversible grid having bars presenting applying surfaces of different character at its opposite sides.

26. In an apparatus of the class described, a member to be controlled, a controlling member therefor, and means arranged for actuation by the foot of the operator to determine the travel of the controlling member.

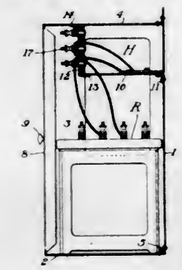
33. In a coating apparatus, a receptacle for a coating substance, an applying member movable into and out of the contents of the receptacle, and means arranged to vary the limit of movement into said contents.

1,467,344. HINGE. ANDREW L. WAGSTAFF, Kansas City, Mo., assignor, by mesne assignments, to Wagstaff Box Mfg. Co., Kansas City, Mo., a Corporation of Missouri. Filed Aug. 24, 1920. Serial No. 405,641. 5 Claims. (Cl. 16—128.)



1. A hinge comprising a plate having elongated recesses, a strap and a member hinged to the strap and having arms in the recess in the plate, the ends of the arms passing through the plate, whereby the strap and plate will be hingedly secured together.

1,467,345. SECTIONAL INSTRUMENT CASE. HERBERT A. WALLACE, Pittsburgh, Pa., assignor to The Union Switch & Signal Company, Swissvale, Pa., a Corporation of Pennsylvania. Filed July 26, 1919. Serial No. 313,659. 12 Claims. (Cl. 247—1.)



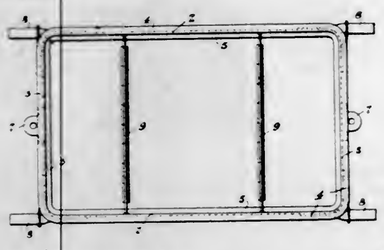
11. An instrument case comprising a rectangular enclosure the lower portion of which constitutes an instrument receiving space, a horizontal wire-supporting shelf located within said enclosure above the instrument space and extending from the back towards the front of the enclosure, and a terminal board hinged to the front edge of said shelf and normally occupying a vertical position wherein it extends from said shelf towards the top of the enclosure.

1,467,346. LANTERN. SELDEN G. WARNER, West Orange, N. J., assignor to New Jersey Patent Company, West Orange, N. J., a Corporation of New Jersey. Filed Mar. 6, 1920. Serial No. 363,734. 3 Claims. (Cl. 240—44.)



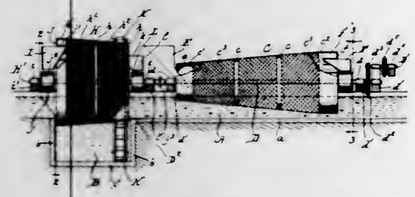
1. In a lantern or the like, an optical device for projecting a beam of light and a lamp associated with said device and mounted for adjustment bodily with respect thereto, the lantern having means defining lines of sight intersecting at a given point with respect to said optical device for determining when the lamp is adjusted to a position with its illuminating center at said point, the arrangement being such that when the lamp is in said position the illuminating center thereof may be viewed directly by sighting along either of said lines of sight, substantially as described.

1,467,347. SAND-RETAINING BAR OR PLATE FOR FOUNDRY FLASKS. HERBERT E. WHITE, Youngstown, Ohio, assignor to Truscon Steel Company, Youngstown, Ohio, a Corporation of Michigan. Filed May 23, 1922. Serial No. 562,979. 10 Claims. (Cl. 22—111.)



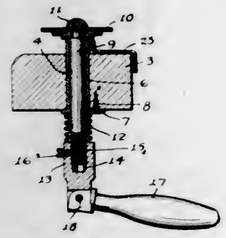
1. A sand retaining bar or plate for foundry flasks, comprising a sheet or strip of metal having portions thereof intermediate the longitudinal edges of the sheet expanded or pressed out of the original plane of the sheet to provide apertures through said sheet.

1,467,348. APPARATUS FOR SEPARATING SAND. GEORGE ROBERT YOUNG, Huntington, N. Y., assignor, by mesne assignments, to Young Sand and Gravel Corporation, New York, N. Y., a Corporation of New York. Filed Oct. 17, 1919. Serial No. 331,439. Renewed July 18, 1923. 15 Claims. (Cl. 83—82.)



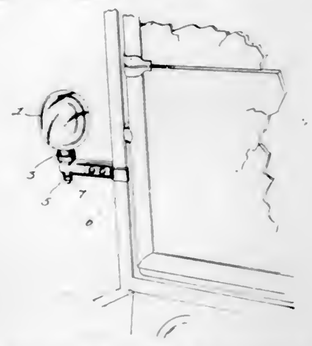
1. A separating apparatus of the class described embodying screening mechanism the operating surface of which is free from obstruction to the flow of a separating current and within which the material to be separated is subjected to agitation, and means whereby the flow of a liquid current is established in such relation to said operating surface of said screening mechanism as to carry off by flotation the finer material from the coarser material under treatment.

1,467,349. AUTOMOBILE SIGNAL. GUSTAV BERTHOLD ARTHUR ZIMMERMAN, Bellmore, N. Y. Filed Dec. 15, 1922. Serial No. 607,067. 3 Claims. (Cl. 116—54.)



1. An automobile signal, comprising a cylindrical thimble to be inserted in a hole in a front frame member of a closed body, the thimble having an attaching flange at one end and being of a length to project slightly at the other end, a rock-shaft passing through the thimble carrying a semaphore blade at its outer end and an operating crank at its inner end, there being an abutment on the shaft to bear frictionally against one end of the thimble, and a spring acting longitudinally between the shaft and the other other end of the thimble so as to hold the signal entirely by friction in any position.

1,467,350. MIRROR. REUBEN A. ABBOTT, Lawrence, Mass. Filed Apr. 8, 1922. Serial No. 550,736. 2 Claims. (Cl. 88—1.)



1. A rear viewing device for an automobile or similar vehicle, comprising a substantially spherical reflecting member, means for mounting the member on the vehicle forwardly of and to one side of the driver's seat whereby objects to both sides and in the rear of the reflecting member may be viewed by the driver by reflection in said member.

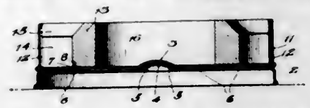
1,467,351. PROCESS FOR MAKING CANDY. LAWRENCE C. BLUNT, Denver, Colo. Filed July 2, 1921. Serial No. 482,181. 5 Claims. (Cl. 107—54.)



1. The method of making confection shells from heat-plastic material, consisting in placing the material in a plastic condition into a mould having a removable lining, shaping the shells by pressing a deformable cup into the plastic mass and cooling the shell with the deformable cup located in the shell.

4. The method of making filled candy consisting in placing heat-plastic material in a plastic condition into a mould having a flexible lining, pressing a deformable cup into the plastic mass to form a shell, cooling the shell with the deformable cup located in the shell, removing the cup from the formed shell, depositing a center in the shell, and finally sealing the top of the shell.

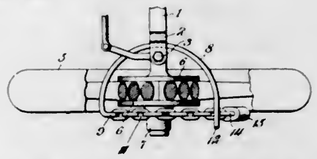
1,467,352. BEAD THREADING OR DISPLAY BOX. WILLIAM W. BOLLS, Washington, D. C. Filed Mar. 14, 1922. Serial No. 543,632. 10 Claims. (Cl. 223—52.)



1. In a box, a body having a downwardly facing socket formed in its bottom, a cover for the box having a knob extending upwardly from its upper face and having

a circular series of teats surrounding the knob and rounded to form anti-friction bearings, the knob being formed to engage the fingers to allow of removal of the cover from the body and upon removal to extend into the socket so as to rotatably support the body with the bottom thereof resting on said bearings, and a latch integral with the bottom of the body and having a socket for receiving and frictionally engaging one of the bearings to hold the body against rotation.

1,467,353. AUTOMOBILE LOCK. HENDERSON PIERCE CHILDRESS, Memphis, Tenn. Filed Sept. 18, 1920, Serial No. 411,037. Renewed Apr. 26, 1923. 2 Claims. (Cl. 70—90.)

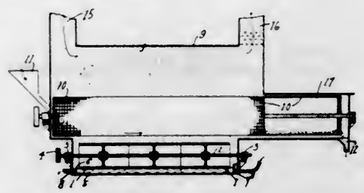


1. A lock for automobiles comprising a rigid bar having a portion adapted to be rigidly held in position between the end of the axle and the steering knuckle located at the end of said axle, an end of the bar extending between and beyond the spokes of the wheel, a chain permanently connected to said end and adapted to engage the hub of the wheel, and means for locking the bar against removal from its engaging position between the end of the axle and the steering knuckle and the chain against removal from its engaging position with the hub.

1,467,354. PROCESS OF CONCENTRATING OXIDIZED ORES AND MINERALS. NIELS C. CHRISTENSEN, Salt Lake City, Utah. Filed Dec. 14, 1918. Serial No. 266,675. 22 Claims. (Cl. 83—85.)

1. The art of concentrating natural oxidized ores, i. e. unaltered except by grinding, which consists in forming with such oxidized ores in comminuted form an aqueous pulp free from electrolytes which inhibit the selective formation of oil-mineral flocculles containing non-siliceous minerals, adding an oily substance, substantially insoluble in water, containing an organic acid radical in proportion to form oil-mineral flocculles in which the non-siliceous minerals of the ore are concentrated, agitating the said mixture and separating the flocculles thereby formed from the remainder of the pulp containing the siliceous minerals of the ore.

1,467,355. APPARATUS FOR WASHING AND WET SCREENING. NIELS C. CHRISTENSEN, Salt Lake City, Utah. Filed Mar. 8, 1921. Serial No. 450,678. 10 Claims. (Cl. 83—56.)

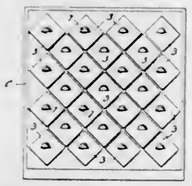


1. The washing and wet screening device which consists of a screening device arranged to support material to be washed and to move such material from a receiving end to a discharge end of said device, in combination with a spray making device consisting of a cylindrical surface arranged to revolve rapidly around a horizontal axis and a trough beneath said cylindrical surface arranged to contain liquid to be used as a spray for washing and having an inlet and an outlet for said liquid and arranged to maintain the surface of liquid therein at such a level that said cylindrical surface will dip slightly into liquid contained therein, said screening device and said spraying device being so arranged that spray thrown by said spray making device will pass through the openings in said screening device and will wash material carried by said screening device.

1,467,356. COMPOSITION OF MATTER FOR USE AS A CEMENT. HARRY ANDY COOK, Yakima, Wash. Filed Mar. 21, 1921. Serial No. 454,138. 1 Claim. (Cl. 87—17.)

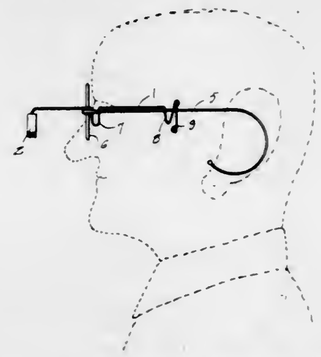
A composition of matter for use as an adhesive cement including a solution of pure rubber in benzol in the proportions of eight pounds of rubber to sufficient benzol to make aproximately ten gallons, a solution of one quarter pound of ground white shellac in three pints of alcohol, a solution of powdered white rosin in three pints of alcohol, said solutions being thoroughly mixed with eight ounces of oil of sassafras and eight ounces of ether.

1,467,357. CARD-INDEX APPARATUS. RALPH J. DAVIES, Hartford, Conn. Filed Sept. 17, 1921. Serial No. 501,261. 8 Claims. (Cl. 129—16.)



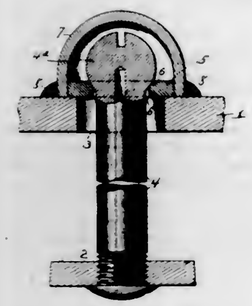
1. In a card index apparatus, a card holder, in combination with substantially rectangular index cards and means for sustaining said cards on edge transversely of the holder with two adjacent edges fully exposed and lying oblique to a horizontal plane.

1,467,358. EYEGLASS ATTACHMENT. BENITO BORJA Y DIZON, Manila, P. I. Filed Mar. 16, 1922. Serial No. 544,304. 10 Claims. (Cl. 88—41.)



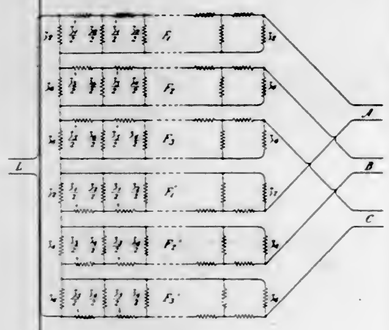
1. A device of the character set forth comprising a supporting arm, a mirror carried at one end of said arm and adapted to be arranged in advance of the lenses of a spectacle, and plurality of spaced apart means for detachably supporting the arm on the temple bar of the spectacles.

1,467,359. STAY-BOLT STRUCTURE. ETHAN I. DODDS, Pittsburgh, Pa., assignor, by mesne assignments, to Flannery Bolt Company, Pittsburgh, Pa., a Corporation of Delaware. Filed Aug. 29, 1919. Serial No. 320,730. 2 Claims. (Cl. 85—1.5.)



1. In a staybolt structure, the combination with a boiler sheet having an opening, and a staybolt having a head smaller than said opening, of a bearing member for the head having an opening therein, disposed freely against the outer face of the boiler sheet and overlying a portion of the opening in the latter, and a cap enclosing said bearing member and the head of the bolt and fixed to the boiler sheet.

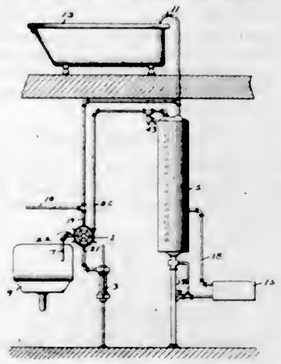
1,467,360. WAVE FILTER. HENRY W. ELSASSER, New York, N. Y., assignor to American Telephone and Telegraph Company, a Corporation of New York. Filed Mar. 24, 1921. Serial No. 455,359. 8 Claims. (Cl. 178—44.)



1. A transmission line, a plurality of branch circuits and respective wave filters between said line and said branch circuits, each said filter being divided and its parts connected in series between the two conductors of the line with parts of other filters between them so as to preserve the balance of the line.

1,467,361. SYSTEM OF DISTRIBUTION. WILLIAM ALONZO ETHERTON, Ava, Ill. Filed Aug. 4, 1919. Serial No. 315,044. 2 Claims. (Cl. 137—79.)

1. A system of distribution combining a pump, a valve, a heating device, a boiler connected thereto, and a plurality of outlets at different levels, the valve permitting cold, hot or warm weather to pass to the several outlets



without requiring the operation of additional elements other than the usual faucets at said outlets.

1,467,362. TROLLING SPOON. EDWARD LEWIS EVANS, Fort Myers, Fla. Filed June 24, 1922. Serial No. 570,538. 2 Claims. (Cl. 43—45.)



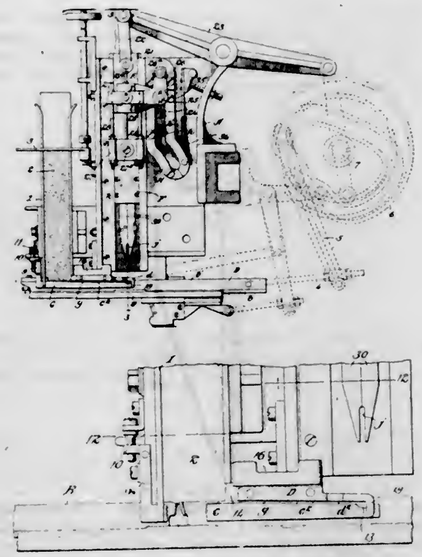
1. A trolling spoon having a longitudinal slot therein, a block disposed on the concave side of said spoon and mounted in said slot for slidable movement therein, a hook attached to said block on the convex side of spoon, a spring member fixed on the concave side of said spoon, said block being adapted to be received and engaged by said spring member releasably to hold the hook in normal trolling position.

1,467,363. COMBINED DOOR CHECK AND BURGLAR ALARM. WALTER T. FAIRALL, Stockton, Calif. Filed May 31, 1922. Serial No. 564,801. 6 Claims. (Cl. 116—13.)



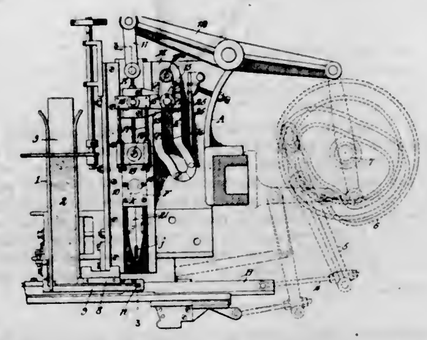
5. A combined door check and burglar alarm comprising an outer tube having a cartridge chamber adjacent one end, a catch member mounted on and projecting into said tube intermediate its ends, an independent tube slidable into the outer tube from the end thereof opposite the cartridge chamber, a hammer likewise slidable in said outer tube, spring means between the hammer and the inner tube, said hammer abutting against the catch after the inner tube has been inserted a predetermined distance into the outer tube, and a cam formed with said catch member and projecting into the path of telescopic movement of the inner tube, the hammer being seated between the catch and cam.

1,467,364. BRUSH-MAKING MACHINE. CHARLES E. FISHER, Baltimore, Md., assignor to The Fisher Automatic Brush Machine Company, a Firm composed of Charles E. Fisher and Edwin Rolker. Filed Mar. 22, 1920, Serial No. 367,816. Renewed June 2, 1922. 8 Claims. (Cl. 300—5.)



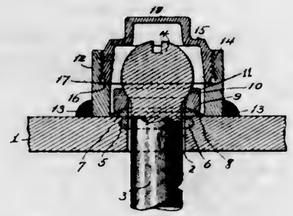
6. In a brush-making machine, the combination with a fiber magazine, of a reciprocating bar having a notch with relatively fixed and oppositely inclined jaws adapted to gather wisps from the magazine.

1,467,365. STAPLE-DRIVING MECHANISM FOR BRUSH-MAKING MACHINES. CHARLES E. FISHER, Baltimore, Md., assignor to The Fisher Automatic Brush Machine Company, a Firm composed of Charles E. Fisher and Edwin Rolker. Original application filed Mar. 22, 1920, Serial No. 367,816. Divided and this application filed Sept. 20, 1920. Serial No. 411,416. 4 Claims. (Cl. 1—2.)



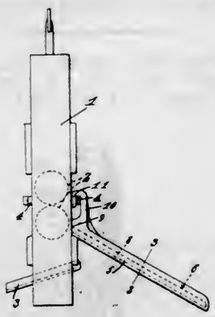
1. In a brush-making machine, the combination with wisp gathering mechanism, of stapling mechanism comprising upper and lower vertically movable slides, a staple-driving rod secured to said upper slide, an elbow lever pivoted on the latter slide, a guide for one arm of said lever adapted to cause the lever to travel in fixed relation to the upper slide during a part of its downward movement and to cause the lever to rock about its axis near the end of its downward movement, connections between the other arm of said lever and the lower slide for moving the latter, a wrist plate pivoted on the lower slide, and two parallel guides for said rod pivotally connected to said wrist-plate at opposite sides of its center, said latter guides having a notch for receiving a staple.

1,467,366. STAY-BOLT STRUCTURE FOR BOILERS. JOHN ROGERS FLANNERY and ETHAN I. DODDS, Pittsburgh, Pa., assignors, by mesne assignments, to Flannery Bolt Company, Pittsburgh, Pa., a Corporation of Delaware. Filed Dec. 7, 1920. Serial No. 428,966. 2 Claims. (Cl. 85—1.5.)



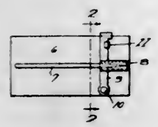
1. In a staybolt structure, the combination with a boiler sheet having a bolt opening, and a staybolt having a rounded head, of an annular threadless seat member mounted directly on the boiler sheet and rigidly secured thereto, a movable bearing ring for the bolt head disposed between the latter and the seat member, and means secured to the boiler sheet for enclosing the bolt head, bearing ring and seat member.

1,467,367. CLOTHES GUIDE FOR WRINGERS. BERNARD T. FOLEY, Virginia, Minn. Filed July 26, 1921. Serial No. 487,638. 2 Claims. (Cl. 68—32.)



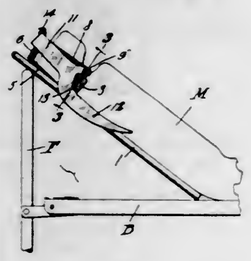
1. The combination with a wringer structure, of brackets secured to each face thereof, and a clothes guide including side members, a board connecting said side members, upstanding arms on said side members at one end, hooks on the arms for engaging the brackets at one side of the wringer structure, and abutments at the base of said arms to engage the wringer structure and in connection with the hooks support the guide in engagement at one end with the wringer structure.

1,467,368. BADGE-PIN CLASP. MORRIS FOLKMAN, Cleveland, Ohio, assignor of one-half to Frank J. Chalus, Cleveland, Ohio. Filed Mar. 14, 1923. Serial No. 625,035. 3 Claims. (Cl. 24—157.)



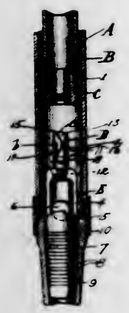
2. The combination with a badge or the like having a pin at the back thereof, of a lever pivoted to the back of the badge, to swing in a plane parallel to the back of the badge, and provided with a keeper adapted to cover or uncover the pin point, and means engageable with the lever to hold the same in closed position.

1,467,369. MATTRESS-HOLDING ATTACHMENT FOR BED RESTS. JOHN P. FREEMON, Waukesha, Wis. Filed Sept. 27, 1922. Serial No. 590,921. 8 Claims. (Cl. 24—1.)



2. The combination with a mattress supporting structure, of a yoke movably mounted relative thereto, a mattress gripping member carried by the yoke, and cooperating means upon the yoke and mattress supporting member for shifting the gripping member to clamp upon the supported mattress, and means for engaging the yoke to hold the gripping member in mattress engaging position.

1,467,370. DEEP-WELL PUMP. GEORGE L. FULLER, Sisquoc, Calif. Filed Mar. 21, 1922. Serial No. 547,200. 4 Claims. (Cl. 103—180.)



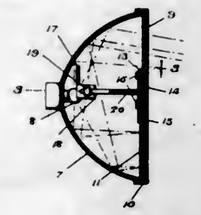
1. In improvements of the character disclosed, a standing valve, a plunger, and a coupling for coupling said valve and said plunger to lift said valve, and for uncoupling said valve and plunger upon lowering said plunger after said valve has been seated; said coupling including a member formed with two spaced substantially vertical peripheral grooves connected by a curved peripheral groove and a member with a stud for traversing said grooves.

1,467,371. ILLUMINATED LICENSE TAG AND SIGNAL FOR AUTOMOBILES. WILLIAM R. GARNER, Erie, Pa., assignor of one-fourth to Claude Davis, Washington, D. C. Filed Oct. 13, 1921. Serial No. 507,432. 3 Claims. (Cl. 40—133.)



3. A casing having a chamber with a downwardly sloping reflector forming a part of the casing and situated behind an opening in the casing, a plurality of tags having license indicia cut therein, one mounted in the opening above the other and with different color screens therebehind, means holding the several tags and screens in place, and a single lamp in top of the casing furnishing light to all of said tags by virtue of the slope of the reflector.

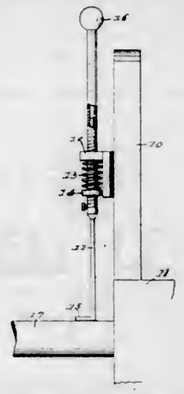
1,467,372. HEADLIGHT DEFLECTOR. LOUIS F. GEILS, Chicago, Ill. Filed May 15, 1922. Serial No. 561,125. 7 Claims. (Cl. 240—48.4.)



1. A device of the character described comprising a deflector plate adapted to be positioned in the mouth of the reflector of a lamp casing to cover one portion only of the mouth of the reflector and to leave the other portion uncovered, said plate having a portion extending therefrom to be disposed directly in front of the source of light in the reflector, said portion having an opening for the direct forward passage of light rays, and a colored panel carried by said plate and disposed across said opening.

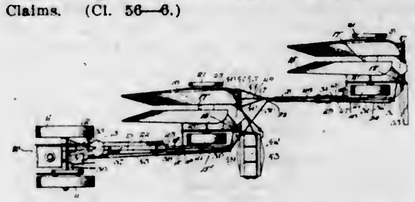
1,467,373. VIBROMETER. WALTER W. GOWIN, Omaha, Nebr. Filed Feb. 14, 1922. Serial No. 536,459. 6 Claims. (Cl. 116—114.)

6. An apparatus for measuring the extent of vibration of a shaft or spindle in its bearing which consists of a standard or support and a vibratory needle carried thereby and yieldingly impelled in one direction for bearing



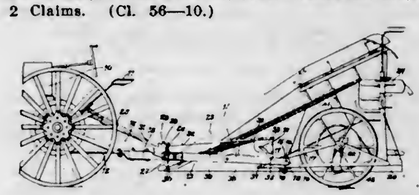
contact with the surface of the shaft or spindle, the support or standard consisting of a horse shoe magnet for adhesive engagement with a bearing block.

1,467,374. HARVESTER. CLINTON A. HAGADONE, Western Springs, Ill., assignor, by mesne assignments, to International Harvester Company, a Corporation of New Jersey. Filed Oct. 13, 1916, Serial No. 125,391. Renewed Apr. 10, 1920. Serial No. 373,003. 11 Claims. (Cl. 56—6.)



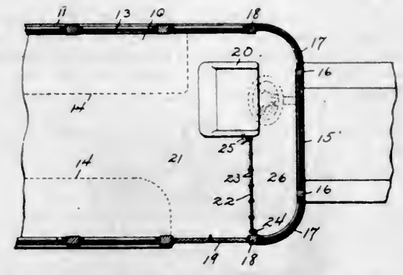
1. In combination, a plurality of independent harvesting units connected in trailing relation, means for connecting said units together, means for tilting one of said units, lever tilting mechanism for a second unit and a connection from the upper rear portion of the first unit to the lever tilting mechanism of the second unit whereby said second unit will be tilted when the first unit is tilted.

1,467,375. TRACTOR HITCH FOR CORN BINDERS. CLINTON A. HAGADONE, Western Springs, Ill., assignor to International Harvester Company, a Corporation of New Jersey. Filed June 23, 1919. Serial No. 305,990. 2 Claims. (Cl. 56—10.)



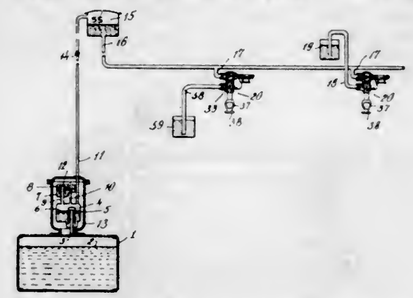
1. A draft connection for an agricultural machine comprising a plurality of longitudinally extending draft members, one having its front end adapted for connection to a tractor and the other having its rear end connected to an agricultural machine, said draft members being pivotally connected to each other and means carried by one of said draft members and extending forwardly so as to be within reach of the operator of the tractor for swinging one of said draft members about its pivot with respect to another of said draft members.

1,467,376. BUS BODY. DAVID J. HALL, Newark, N. J. Filed Oct. 6, 1920. Serial No. 414,995. 1 Claim. (Cl. 296—24.)



A bus body having an enclosed front end, said end having windows at the front and corners and merging with the sides to form a bay, a door at one side of the body near the front, a fixed driver's seat at the opposite side of the vehicle from the door a steering wheel in front of the driver's seat, thereby necessitating the driver's remaining at a distance from the front of the body, and a low folding barrier extending from the door side of the body to the seat, whereby passengers are kept from obstructing the driver's view to the side and a compartment for the storage of baggage is provided.

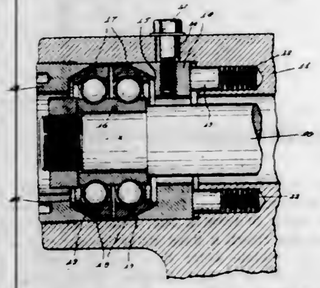
1,467,377. FOAM-PRODUCING FIRE-EXTINGUISHING APPARATUS. JOHN R. HAMILTON, Yonkers, N. Y., assignor to Ohio Automatic Sprinkler Company, Youngstown, Ohio, a Corporation of Ohio. Filed Mar. 6, 1919. Serial No. 281,048. 8 Claims. (Cl. 169—14.)



1. In foam producing fire extinguishing apparatus, a high pressure supply tank containing a charge of carbonate emulsifying liquid, a connected supply pipe extending around the protected premises, a series of distributing devices having supply connections communicating with said supply pipe to receive high pressure supplies of liquid therefrom, individual acidifying tanks adjacent said distributing devices and containing charges of acidifying liquid adapted to cooperate with said carbonate emulsifying liquid and produce fire extinguishing foam and a siphon feeding connection between each of said distributing devices and an adjacent individual acidifying tank, said distributing devices comprising a venturi mixing device having an injector mixing nozzle adapted to receive emulsifying liquid from said high pressure supply connection and exert suction in the communicating feeding connection, a normally closed control valve

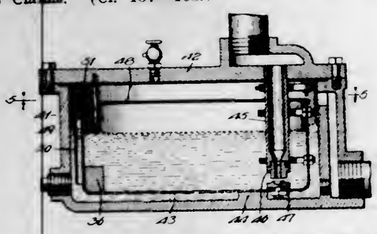
governing said supply connection adjacent said nozzle, and an automatic thermal releasing control device releasably holding said control valve in closed position, said mixing device being formed with eddy recesses and projections to promote the mixing of the liquid passing therethrough and a chemical mixing pressure generating tank connected to said supply tank and automatically operated when said liquid is withdrawn from said supply tank.

1,467,378. BALL BEARING. BENGT M. W. HANSON, Hartford, Conn., assignor to Skayef Ball Bearing Company, West Hartford, Conn., a Corporation of Connecticut. Filed Apr. 16, 1921. Serial No. 461,959. 4 Claims. (Cl. 64—36.)



4. In a device of the character described, a housing, a pair of collars mounted therein for adjustment one relative to the other, spring-pressed plungers carried by the housing urging one of said collars towards the other one, a screw for clamping said adjustable collar in any position of adjustment; and a ball bearing including a ring fixed on the spindle, a pair of outer rings the external peripheries of which form the central zone of a sphere and engaging in said collars, and anti-friction balls interposed between said inner and outer rings.

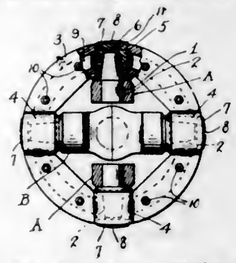
1,467,379. HIGH AND MEDIUM PRESSURE TRIP TRAP. AMOS HARRISON, Chicago, Ill., assignor to Jas. P. Marsh & Company, Chicago, Ill., a Corporation of Illinois. Filed June 21, 1920. Serial No. 390,570. 16 Claims. (Cl. 137—103.)



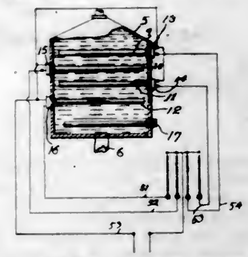
1. In a device of the kind described and in combination, a casing provided with an inlet and outlet, a float arranged therein for controlling the discharge of fluid through said outlet, means for conducting fluid from the interior of the float to said outlet, said float provided with a conduit arranged to conduct the fluid from adjacent the lower portion of the casing into the float at a point adjacent the top thereof.

1,467,380. UNIVERSAL JOINT. RICHARD A. HARTMANN, Hartford, Conn., assignor to The Hartmann Manufacturing Co., Hartford, Conn. Filed Feb. 20, 1922, Serial No. 537,980. Renewed May 9, 1923. 4 Claims. (Cl. 64—103.)

4. A universal joint of the class described comprising a pair of members, tapered studs carried thereby, a ring member having sockets for receiving the studs, the walls of each socket being screw threaded, a screw threaded bushing engaging each socket and each bushing having a tapered bore for receiving the tapered part of the stud, a screw cap fitting in the end of each socket for holding the bushing in adjusted position, each cap entirely closing the outer end of the opening in the bushing and being positioned in spaced relation to the outer end of the respective stud to provide an oil receiving chamber, and a lubricant chamber in the ring member in communication with the bores of the bushings, said lubricant chamber being annular in form at each bushing to entirely surround the bushing in spaced relation thereto, the annular portions of the lubricant chamber being in communication one with the other, each bushing having an oil passage extending laterally therethrough intermediate its ends whereby oil may enter the bushing and work up into said oil chamber to maintain the same filled.



1,467,381. ELECTRIC HOT-WATER HEATER. ANSEL C. HULBERT, San Carlos, Calif. Filed Oct. 17, 1921. Serial No. 508,174. 3 Claims. (Cl. 219—39.)



1. An electric heating apparatus comprising a hot water storage receptacle, means to supply said receptacle with water and to withdraw water therefrom, a heating receptacle, electric heating unit in said receptacle, pipes for connecting said receptacle with the storage receptacle at the bottom and at a point intermediate its bottom and top, a plurality of electric heating elements extending into said heating receptacle, a thermostat in the lower portion of said heating receptacle for controlling the current supplied to said heating elements, and means to break the current used step by step.

1,467,382. AUTOMOBILE BRACE BAR AND BUFFER. GEORGE ALBERT LYON, Philadelphia, Pa. Filed Jan. 14, 1920, Serial No. 351,284. Renewed Jan. 26, 1922. Serial No. 532,031. 29 Claims. (Cl. 293—55.)



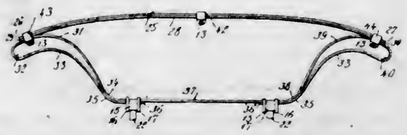
11. The combined brace bar and buffer formed of resilient strip and comprising a stiffened convex section brace bar portion and an end loop and impact receiving portion to form a buffer front spaced away from said brace bar portion and means adapted to connect said brace bar portion to supporting members on both sides of a vehicle to support the buffer front therefrom and to simultaneously connect and reenforce said supporting members.

1,467,383. DOUBLED ATTACHING-MEMBER BUFFER. GEORGE ALBERT LYON, Philadelphia, Pa. Filed Feb. 12, 1920, Serial No. 358,238. Renewed Feb. 9, 1922. Serial No. 535,398. 19 Claims. (Cl. 293—55.)



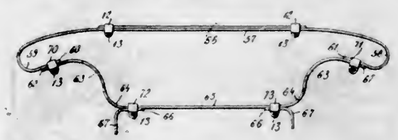
5. The automobile buffer comprising a pair of duplex attaching members each having closely spaced rearwardly extending attaching portions, an outer connector portion and an inner connector portion to cooperate with the buffer front at a point considerably inside said outer connector portion, and a pair of resilient strip buffer front members comprising impact receiving members adapted to be clamped in mutually reenforcing overlapping position and each of said buffer front members comprising an inwardly extending connector portion adapted to be adjustably clamped to the outer connector portion of one of said attaching members.

1,467,384. BRACE-BAR AUTOMOBILE BUFFER. GEORGE ALBERT LYON, Philadelphia, Pa. Filed Feb. 12, 1920, Serial No. 358,239. Renewed Jan. 11, 1923. Serial No. 534,275. 40 Claims. (Cl. 293—55.)



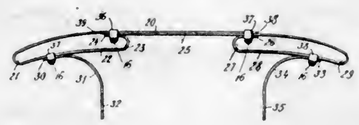
26. A fitting adapted to be permanently fixed to the end of a vehicle frame member, and comprising a head projecting beyond the end of the frame member, and an integral support for a bumper.

1,467,385. BRACE-BAR BUFFER. GEORGE ALBERT LYON, Philadelphia, Pa. Filed Jan. 20, 1922. Serial No. 530,547. 26 Claims. (Cl. 293—55.)



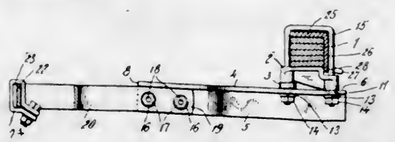
6. The automobile buffer formed of resilient strip and having a rear transverse member, and having a buffer front member spaced considerably ahead of the lateral portions of said rear member, said rear member having looped end portions extending out into protective position adjacent the automobile wheels and a front reenforcing member secured to the other buffer elements by enclosing clamping devices.

1,467,386. RESILIENT FRONT BUFFER. GEORGE ALBERT LYON, Philadelphia, Pa. Original application filed Jan. 16, 1920, Serial No. 351,818. Divided and this application filed Feb. 3, 1922. Serial No. 533,838. 32 Claims. (Cl. 293—55.)



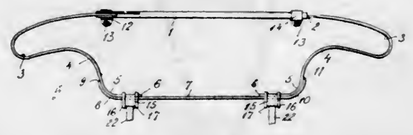
19. The automobile buffer front comprising two similar elements of steel strip and each having a closed end loop portion and having a transversely extending impact receiving portion connected to both end loop portions.

1,467,387. REAR BUFFER ATTACHMENT. GEORGE ALBERT LYON, Philadelphia, Pa. Filed Apr. 17, 1922, Serial No. 554,094. Renewed May 14, 1923. 8 Claims. (Cl. 293—55.)



1. In automobile buffer devices, a spring steel buffer comprising attaching members, cooperating angular sectioned stiffened sheet steel attaching brackets, each having adjacent one end a substantially flat upper clamping surface adapted to fit beneath the rear spring U-bolt of an Overland automobile and formed with bolt apertures through which said bolt extends to clamp said bracket in position, a spacer arranged adjacent one shank of said U-bolt to vertically align the corresponding portion of the bracket, said brackets being bent into diverging form adjacent their middle portions and having substantially parallel rear attaching ends formed with attaching apertures and attaching bolts extending through the apertures in said attaching ends and the attaching members of the buffer to securely connect them together.

1,467,388. AUTOMOBILE BUFFER. GEORGE ALBERT LYON, Philadelphia, Pa. Filed Oct. 7, 1922. Serial No. 592,940. 14 Claims. (Cl. 293—55.)

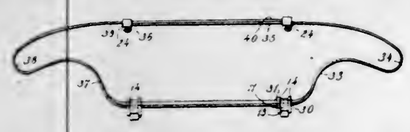


12. The automobile buffer comprising end loop members having inturned front and rear connector portions, a buffer front having connector ends secured to the front connector ends of said end loop members and means connecting said rear connector portions of said end loop members.

1,467,389. AUTOMOBILE BRACE-BAR BUFFER. GEORGE ALBERT LYON, Philadelphia, Pa. Filed Oct. 7, 1922. Serial No. 592,941. 12 Claims. (Cl. 293—55.)

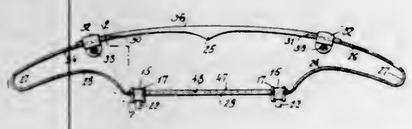
12. The automobile buffer comprising rear supporting member of steel strip having integrally connected end

loops and front inpact receiving portions extending over each other into mutually reenforcing position and co-



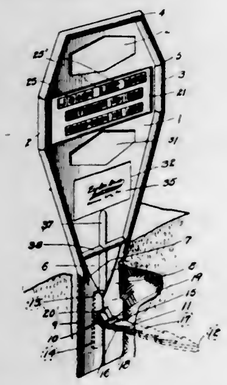
operating clamping devices to connect and reenforce said front impact receiving portions.

1,467,390. AUTOMOBILE BUFFER AND ATTACHMENT THEREFOR. GEORGE ALBERT LYON, Philadelphia, Pa. Filed Nov. 23, 1922. Serial No. 602,679. 17 Claims. (Cl. 293—55.)



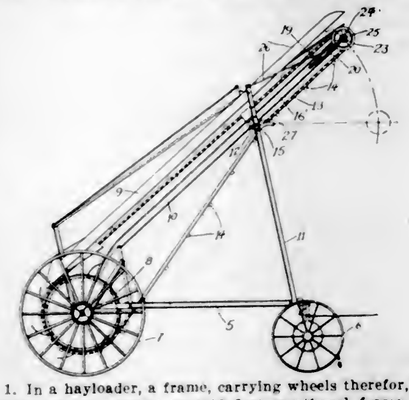
4. The automobile buffer comprising a transverse rear supporting member of channel section having outwardly extending connector ends, cooperating supporting frame ends connected to the forward ends of the automobile frame members, and having a substantially vertical front contact face to be engaged by the inner rear face of the transverse buffer member, a rearwardly extending flange thereof engaging and being aligned by the adjacent aligning edges on said heads ,clamping means cooperating with said transverse member and said head to clamp the parts together in mutually reenforcing position and a cooperating buffer front comprising connector portions clamped to the connector ends of said transverse buffer member.

1,467,391. GRAVE MARKER. JOE M. MCCOMAS, Kansas City, Mo. Filed Aug. 4, 1922. Serial No. 579,621. 6 Claims. (Cl 189—21.3.)



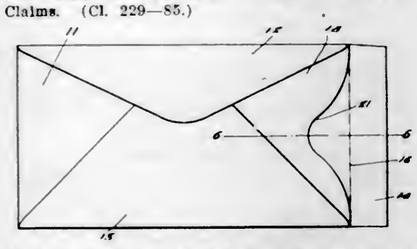
1. In a grave marker, an inscription-bearing plate, an extension of said plate to form a support, having an opening therein, a tongue extending from the support adjacent to the opening, an anchor pin extending thru the opening, having a head thereon for engaging the side of said support, and a groove in the pin to be engaged by said tongue.

1,467,392. WINDROW LOADER. EDWARD MOWRY, Rock Falls, Ill., assignor to International Harvester Company, a Corporation of New Jersey. Filed Jan. 7, 1921. Serial No. 435,608. 6 Claims. (Cl. 198—115.)



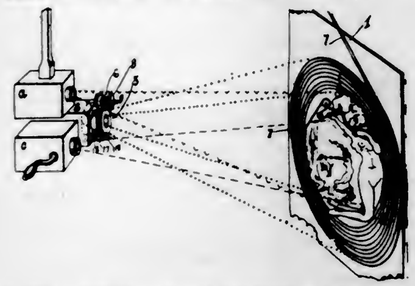
1. In a hayloader, a frame, carrying wheels therefor, an elevator frame carried by said first mentioned frame, an elevator section pivoted to said elevator frame, and means including a crank, and a shaft extending across the delivery end of said section for adjusting said section in a plurality of positions.

1,467,393. ENVELOPE. WILLIAM P. NOHA, Baltimore, Md. Filed Nov. 14, 1921. Serial No. 515,037. 3 Claims. (Cl. 229—85.)



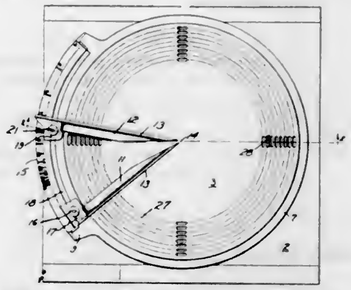
2. An envelope, comprising a front member and a back member, connected end to end and approximately the same size, sealing flaps extending from opposite edges of the front and folded over the back, devices projecting from the front and back members, at the outer ends thereof, and connected by adhesive material, and means for forming a pocket for the projecting device.

1,467,394. ART OF PRODUCING MOTION PICTURES. FELIX PEANO, Inglewood, Calif. Filed Mar. 2, 1920. Serial No. 363,096. 5 Claims. (Cl. 88—24.)



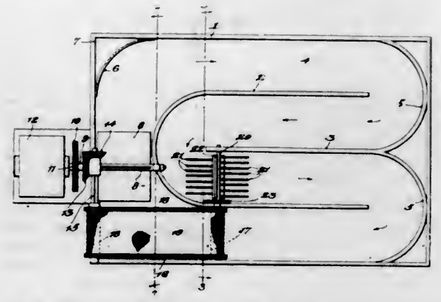
5. The combination with a projector of a spool having a transparent portion through which the light rays are projected from said projector and means whereby a thread is wound on said spool to modify the light rays projected onto the screen.

1,467,395. SECTOR SPACER. GEORGE ROSS and MAURICE J. ROSS, San Francisco, Calif. Filed May 31, 1921. Serial No. 473,896. 7 Claims. (Cl. 107—20.)



1. A sector spacer comrising a table, a pair of radial guides mounted for rotation about the center of said table, and means for releasably securing one of said guides in relation to the other at an angle which is an integral part of 360°.

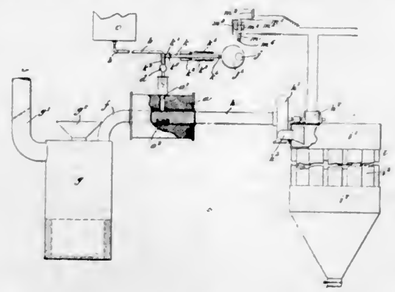
1,467,396. FRYING MACHINE. CHARLES T. SCHROYER, Sioux Falls, S. Dak. Filed Aug. 29, 1922. Serial No. 585,055. 4 Claims. (Cl. 53—7.)



3. In a frying machine, a tank having walls forming a substantially zig-zag channel which latter extends across an end of the tank, a paddle wheel journaled in said channel end and between said end of the tank and the adjacent channel-forming wall, an endless elevator having one end disposed adjacent to said end of the tank and having its opposite end extending across said end of the channel which extends across the tank, and a turnover device mounted in approximately the center of the length of the channel.

1,467,397. APPARATUS FOR MAKING METAL CATALYSTS. WALTER P. SCHUCK, Portland, Oreg., assignor, by mesne assignments, to Vegetable Oil Securities Company, Pittsburgh, Pa., a Corporation of Pennsylvania. Filed Dec. 29, 1919, Serial No. 347,983. Renewed Nov. 23, 1922. 7 Claims. (Cl. 23—28.)

1. An apparatus for making metal catalysts consisting of a muffle furnace adapted to be maintained at the desired temperature to assist the reaction of a solution from which the catalyst is formed, means through which an inert, non-oxidizing gas may enter said furnace, a reservoir for a supply of said solution, means connecting said reservoir with said furnace including therein a measuring valve whereby, with each actuation thereof, a measured quantity of said solution will be delivered within said furnace, a container adapted to receive the cata-

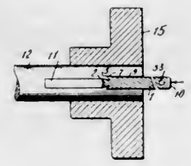


lytic metal, an exhauster communicating with said furnace and with said container, and a timing device adapted to cause the sequential actuation of said measuring valve and said exhauster.

1,467,398. PROCESS OF COATING. EARLE E. SCHUMACHER, East Orange, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y., a Corporation of New York. Filed Mar. 19, 1920. Serial No. 367,086. 7 Claims. (Cl. 250—27.)

1. A process of coating which comprises dipping a base metal core to be coated in a molten bath of alkaline earth hydroxide.

1,467,399. APPARATUS AND PROCESS FOR FITTING DRIVING KEYS. ROBERT A. SMITH, Mahwah, N. J., assignor to Smith & Serrell, a Copartnership composed of Robert A. Smith, Mahwah, N. J., and John J. Serrell, Elizabeth, N. J. Filed Jan. 23, 1922. Serial No. 531,148. 14 Claims. (Cl. 29—148.)

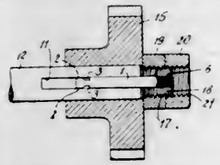


1. The apparatus for fitting driving keys in shafts and cooperating members, which comprises a keyway cutter having a shank of substantially rectangular cross section and having on each of its opposite driving faces a plurality of cutting edges extending substantially perpendicular to said shank and arranged at progressively increasing distances apart as they extend back along the shank of the cutter, the rear cutting edges extending out beyond the shank of the cutter to give clearance thereto, chip retaining recesses adjacent the rear cutting edges and withdrawing holes and notches in the shank of said cutter to withdraw the same from the keyway.

1,467,400. DRIVING KEY. ROBERT A. SMITH, Mahwah, N. J., and EDWARD B. GRAY, [illegible] Pa., assignors to Smith & Serrell, a Copartnership composed of Robert A. Smith, Mahwah, N. J., and John J. Serrell, Elizabeth, N. J. Filed Oct. 24, 1922. Serial No. 596,555. 8 Claims. (Cl. 287—52.)

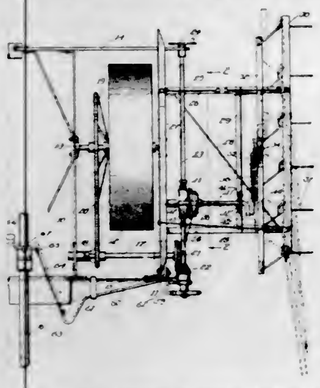
1. In self-fitting driving keys, a hardened rectangular sectioned key having a cutting head comprising cutting edges adapted to resize the keyway as the key is forced into the same and having on its opposite driving end a

threaded withdrawing end, and a cooperating internally and externally threaded withdrawing nut adapted to be



screwed on said threaded withdrawing end of the key to enable said key and nut to be withdrawn by screwing a nut on the external threads of said withdrawing nut.

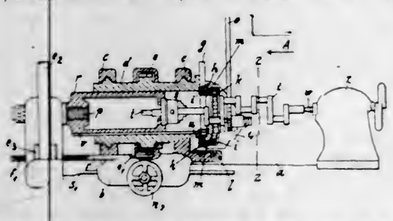
1,467,401. BUNDLE CARRIER. HERBERT B. SPERRY, Chicago, Ill., assignor to International Harvester Company, a Corporation of New Jersey. Filed Nov. 26, 1919. Serial No. 340,851. 20 Claims. (Cl. 56—478.)



1. In a harvester, a frame, a bundle carrier supported thereby, a crank shaft mounted on said frame, and power actuated means mounted on said crank shaft independent of said frame for actuating said carrier.

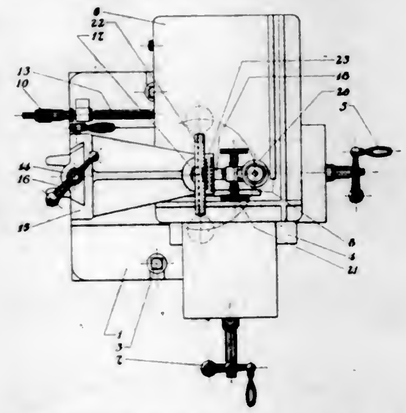
2. In a harvester, a frame, a power crank driven shaft journaled thereon, a bundle carrier carried thereby, power connections on said shaft independent of said frame, and means for controlling said power connections whereby said carrier may be power actuated.

1,467,402. MECHANISM FOR GRINDING CRANK SHAFTS. AUGUST THOMAS, Berlin-Schoneberg, Germany, assignor to Deutsche Werke Aktiengesellschaft, Berlin, Germany, a German Corporation. Filed Sept. 20, 1922. Serial No. 589,478. 1 Claim. (Cl. 51—236.)



Mechanism for grinding revolving crank-pins of a rotated crankshaft, which consists in a rotary and endwise movable cylinder, a slide-rest carrying same, an inner cylinder rotated by the rotary cylinder, means for retaining the inner cylinder from participating in the endwise motion of said rotary cylinder, a chuck carried by the inner cylinder, an eccentric connected with the front of the rotary cylinder, a vertically and horizontally movable strap for the eccentric guiding means for the eccentric strap, a horizontally displaceable casing guided on said strap, a grinding disc rotatably mounted in said casing, driving means for the grinding disc, driving means for the rotary cylinder, and self-feed for the slide-rest, all as and for the purpose stated.

1,467,403. MEASURING INSTRUMENT. GEORGE A. TOOMEY, Springfield, Mass. Filed Oct. 13, 1920. Serial No. 416,753. 2 Claims. (Cl. 35—170.) (Filed under the act of Mar. 3, 1883, 22 Stat. L., 625.)



1. A measuring device including, a bed plate, a plate slidable longitudinally of the bed plate, a lug formed on the plate, means carried by the bed plate and engaging the slidable plate for moving the same longitudinally of the bed plate, a rest mounted on the slidable plate and slidable longitudinally thereof, a lug formed on the rest, means carried by the slidable plate and engaging the rest for moving the rest longitudinally of the plate, a measuring device carried by the bed plate and engageable with the lug on the slidable plate for measuring the movement of the slidable plate with respect to the bed plate, a measuring device carried by the slidable plate and engageable with the lug carried by the rest for measuring the movement of the rest with respect to the slidable plate, a support rising from the bed plate and disposed at right angles thereto, an arm carried by the support and adjustable longitudinally thereof, means on the support and engaging the arm for adjusting the arm longitudinally of the support, a block pivotally mounted in the free end of the arm and adapted to swing about a vertical axis, a rod, mounted in the block and adapted to swing about a horizontal axis, a microscope pivotally secured to the extending free end of the rod, means connected to the arm for determining the angular displacement of the microscope with respect to the arm, and a reflector secured by the microscope and adapted to direct rays of light upon an object to be measured.

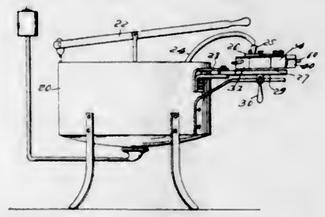
1,467,404. COMBINED REAR LIGHT AND LICENSE-PLATE CARRIER. HENRY B. TURNER, Suisun, Calif. Filed Sept. 11, 1922. Serial No. 587,362. 3 Claims. (Cl. 40—131.)

1. A combined rear light and license plate carrier adapted to be carried on one side and to the rear of an automobile comprising a downwardly projecting light projector substantially circular in horizontal cross section and parabolic in vertical cross section, a rearwardly projecting light projector, and means for securing a license plate to said first mentioned projector at a substantial



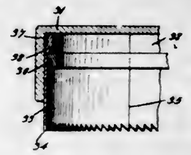
distance below the same whereby rays of light may be seen by an approaching driver and the license, one side and the rear of the car are illuminated.

1,467,405. TYPE-CASTING APPARATUS. MACK F. TURNER, Ottawa, Ill. Filed June 1, 1921. Serial No. 474,159. 14 Claims. (Cl. 199—94.)



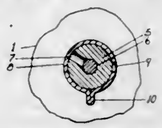
1. An apparatus for molding type having a melting pot equipped with a pump and a discharge spout and provided with a lateral seat for a mold box provided with a filling tuunel in communication with the mold space thereof, the seat being pivotally mounted to provide for positioning the funnel in communication with the discharge spout.

1,467,406. TUBULAR SAW. JOSEPH L. WALKER, Baton Rouge, La., assignor to K-D Barrel & Hamper Co., Baton Rouge, La. Original application filed Dec. 19, 1922, Serial No. 607,827. Divided and this application filed Jan. 25, 1923. Serial No. 614,889. 1 Claim. (Cl. 143—133.)



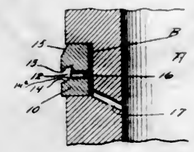
The combination with a hollow cutter head, of a reversible abutment ring within the cutter head having an annular groove, a saw blade bent to circular form and fitted within and extending from the cutter head, said blade being seated at one edge within the grooved abutment ring, and an expansible ring surrounded by the blade for clamping the blade against the cutter head.

1,467,407. FISHING REEL. JACK T. WELCH, Dowagiac, Mich., assignor to James Heddon's Sons, Dowagiac, Mich. Filed Jan. 12, 1922. Serial No. 528,688. 3 Claims. (Cl. 184—92.)



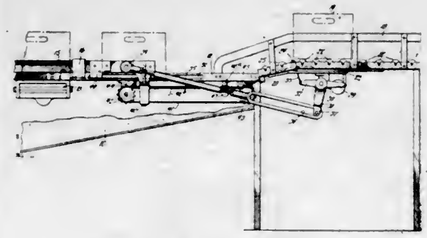
1. The combination with a fishing reel frame comprising a head member, of a cylindrical spool shaft bearing mounted on said head member to project therefrom and having a transverse oil hole therein opening at its periphery, and a continuous band mounted on said bearing and constituting a closure for said oil hole and having a hole therein adapted to be brought into register with the oil hole of the bearing, said band having a fold therein constituting a spring and projecting finger piece.

1,467,408. PISTON RING. HERMAN P. WILKE, Brawley, Calif. Filed Oct. 11, 1922. Serial No. 593,832. 2 Claims. (Cl. 74—109.)



1. A piston ring provided in its periphery with a continuous oil groove having its upper edge sharp and its lower edge beveled, the lower edge of the ring being sharp and square and the upper edge being beveled, the ring being formed with a series of holes leading from the groove to the inner periphery.

1,467,409. AUTOMATIC CASE FEEDER FOR BOTTLE WASHERS, ETC. STANLEY W. WILKINSON, Waukegan, Ill., assignor, by mesne assignments, to The Creamery Package Mfg. Company, Chicago, Ill., a Corporation of Illinois. Filed Nov. 26, 1920. Serial No. 426,511. 10 Claims. (Cl. 198—218.)

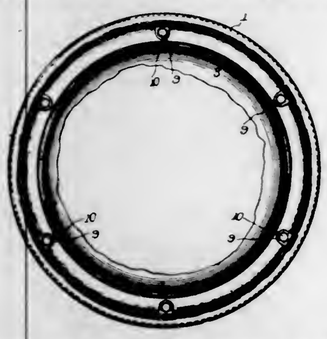


1. In a feeding apparatus for rigid units, the combination with a reciprocating feed mechanism, of a gravity supply feed for delivering said units one by one, and an intermediate reciprocating feed mechanism which receives the units one by one from the gravity supply feed and positively forces them in the same plane to the reciprocating feed mechanism as the latter is returning from its feeding movement.

1,467,410. DEMOUNTABLE-RIM FASTENING. WILLIAM ERASTUS WILLIAMS, Chicago, Ill. Filed Apr. 25, 1921. Serial No. 464,237. 1 Claim. (Cl. 301—19.)

The combination with a wheel disk bent laterally to form a peripheral seat flange for directly supporting one side of a wheel rim while slightly separated from the opposite side, of a rim resting on said flange, a series of malleable spaced wedges inserted between said seat and one side of the rim, closely fitting the latter, curved outward around its outer side, and provided with perforated lugs extending radially inward, and bolts passing through the lugs and engaging the disk inside its

flange, said wedges having rivets projecting into the rim in the plane of the wheel and other rivets projecting into



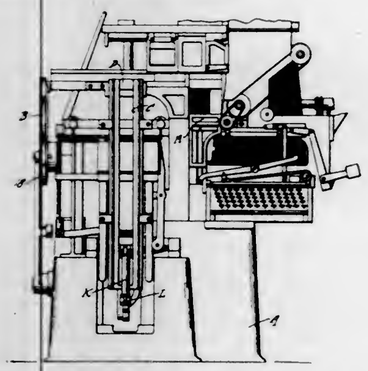
the rounded margin of the rim; whereby the strain of the bolts presses home certain rivets without tendency to withdraw any rivets.

1,467,411. TOY BALLOON. ARTHUR P. WITTEN, Akron, Ohio. Filed May 16, 1922. Serial No. 561,473. 2 Claims. (Cl. 46—37.)



1. In a toy balloon of the class described, an integral neck, a member adhesively secured to the exterior surface of said balloon at a point adjacent said neck, said member provided with a notch adapted to receive and hold said stem.

1,467,412. BOLD-FACED-SLUG-CASTING ATTACHMENT FOR LINOTYPE MACHINES. WILLIAM EDGAR ZOLMAN and ANDREW W. BRADSHAW, Farmington, Mo. Filed Aug. 26, 1922. Serial No. 584,476. 2 Claims. (Cl. 199—52.)



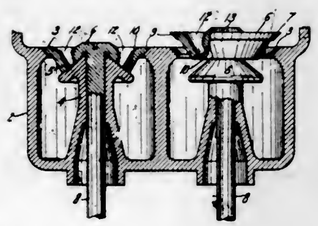
1. A bold-faced slug casting attachment for linotypes comprising a bracket adapted to be attached to the side wall of the elevator cap on a level with the lower edge of said side wall, a lever pivoted adjacent one end to the bracket, the short arm of the lever constituting a handle projecting beyond the bracket and the extremity of the long arm being adapted to be disposed beneath the elevator cap and in alignment with the stop screw of the elevator cap, a finger attached to the lever and extending parallel thereto but terminating short of the end of said member and having at its extremity a thickened portion adapted to be disposed immediately beneath and registering with the clutch operating screw of the cap, an arm carried by the member and projecting at an angle thereto, and a pin pivoted on said arm and adapted to extend through the side wall of the elevator cap and to be projected into the path of movement of the matrices if assembled on the upper rail when the lever and finger are disposed with their ends directly beneath said screws.

1,467,413. SPARK PLUG. JOHN ANDERSON, Charleston, Wash. Filed Nov. 4, 1919. Serial No. 335,620. 1 Claim. (Cl. 123—169.)



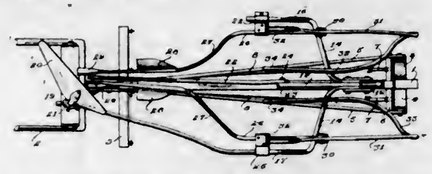
A spark plug, comprising in combination, a shell, an insulator within the shell, a stem electrode extending centrally and longitudinally of the insulator, a cap carrying wire connecting means upon its upper face and having its lower face formed with a recess to provide a seat for the cap about the edge thereof, and the roof of the recess being formed with a threaded central bore adapted for receiving the upper end of the electrode, packing interposed between the seat of cap and the shell, and a spring washer carried upon the upper end of the electrode adapted for engaging the roof of the recess in the cap and thereby to hold the cap against turning movement.

1,467,414. POPPET VALVE. HUGO J. BACHMAN, Denver, Colo. Filed Mar. 3, 1922. Serial No. 540,682. 5 Claims. (Cl. 123—188.)



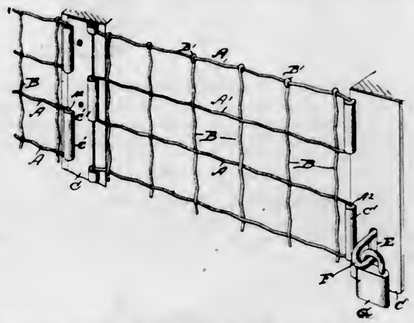
1. In a valve construction of the character described, a machine element having two axially alined valve-seats, and a valve provided with faces adapted to simultaneously engage with said seats when the valve is in its closed position, said valve having ports which terminate in one of the faces, and are covered by the engagement of said face with the respective seat.

1,467,415. BEET TOPPER. AMOS BAILEY, Ottumwa, Iowa. Filed Dec. 9, 1921. Serial No. 521,138. 8 Claims. (Cl. 55—107.)



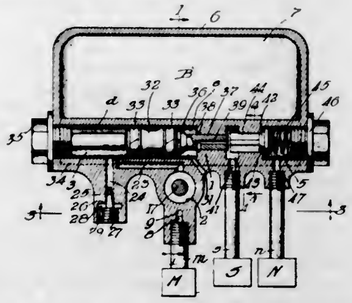
1. A beet-topping mechanism comprising converging side arms adapted to engage the sides of the beets, means whereby said side arms will be automatically adjusted to the height of the beets, and a knife carried at the rear ends of said arms.

1,467,416. WIRE FABRIC. JOHN S. BARNES, Ann Arbor, Mich., assignor to Wire Products Corporation, Ann Arbor, Mich., a Corporation of Michigan. Filed Dec. 14, 1921. Serial No. 522,213. 5 Claims. (Cl. 245—1.)



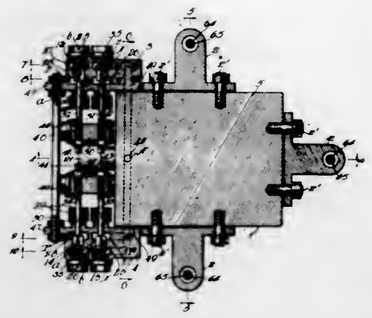
3. In a panel of wire fabric, a continuous warp strand bent to form return bends at opposite edges of the panel, a plurality of woof strands interlaced therewith and having the ends thereof secured to the marginal return bends of the fabric, a metallic strip having spaced ears struck therefrom to engage the end bends of the fabric, and means for supporting the said strip.

1,467,417. AUTOMATIC FLUID-PRESSURE-CONTROLLING DEVICE. ARTHUR C. BECKWITH, Chicago, Ill., assignor to Chicago Lubricator Company, Chicago, Ill., a Corporation of Illinois. Filed June 13, 1918. Serial No. 239,808. 6 Claims. (Cl. 137—153.)



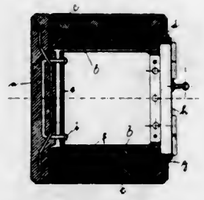
1. In a device of the kind described and in combination, a chambered part provided with a fluid inlet and a fluid outlet, means independent of said inlet and outlet for admitting or discharging fluid from the chamber in said part, a valve for said inlet, a valve for said outlet, and means for controlling said valves whereby fluid is admitted through said inlet and transferred through said chamber and thence discharged through said independent means, comprising fluid pressure controlled means independent of said valves and controlling the movement thereof, and mechanically actuated means for controlling the pressure controlling said pressure controlled means.

1,467,418. AUTOMATIC CONTROLLING DEVICE. ARTHUR C. BECKWITH, Chicago, Ill., assignor to Chicago Lubricator Company, Chicago, Ill., a Corporation of Illinois. Filed July 24, 1919. Serial No. 312,956. 17 Claims. (Cl. 137—153.)



1. A device of the character described, comprising a hollow part provided with a plurality of chambers therein, each of said chambers having a port, and means for simultaneously controlling all of said ports, said means comprising a plurality of valves for each chamber, and mechanically operated means for controlling said valves in a predetermined manner, whereby said ports are alternately intake and discharge ports.

1,467,419. SAFE. REINHOLD BRÄUER, Dusseldorf, Germany. Filed June 10, 1922. Serial No. 567,501. 3 Claims. (Cl. 109—1.)

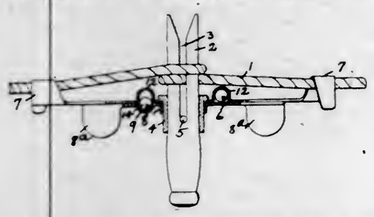


1. A safe composed of detachable blocks of masonry and having a rear wall in the form of a slab, a series of nested frames abutting against a recessed part of the slab and forming the side and the end wall, a front frame overlapping the nested frames, and means for clamping the parts together between the slab and the front frame, such clamping means being arranged inside the safe, substantially as and for the purpose set forth.

1,467,420. LINE TIGHTENER. CARL BREER, Summit, N. J. Filed Dec. 9, 1921. Serial No. 521,140. 7 Claims. (Cl. 24—71.1.)

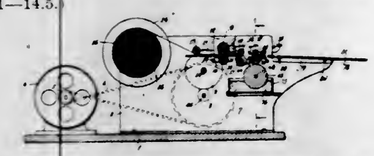
1. In a line tightener, the combination of a winding reel; a mounting on which the reel is journaled; means

on the mounting adapted to engage a line to lock the mounting therewith; a winding arm secured to and



locked with the reel; and a releasable ratchet device between the arm and mounting.

1,467,421. TAPE MOISTENING AND SEVERING MACHINE. CHARLES H. CROWELL, Brooklyn, N. Y. Filed May 27, 1919. Serial No. 300,102. 11 Claims. (Cl. 91—14.5.)



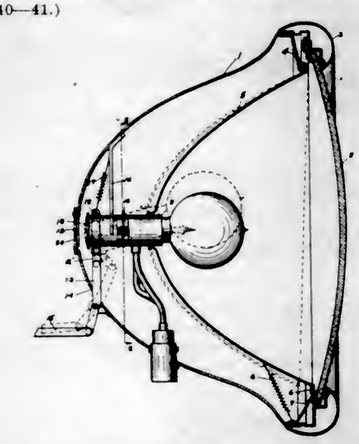
1. In severing and moistening machines for severing moistening and delivering individual perforated labels, a support to carry a number of supply rolls of such perforated, gummed, printed label strips, a feed roll to engage said labels, continuously operating, pulling and moistening devices to engage said labels beyond said feed roll and moisten and deliver the same, and means to mechanically operate said feed roll comprising a slip clutch and a detent to intermittently allow said feed roll to feed said label strips forward through substantially the distance between adjacent perforations and then hold said label strips to effect the severance thereof through the continued operation of said moistening devices.

1,467,422. TONE MODIFIER FOR WIND INSTRUMENTS. WILLIAM ROMEO D'ALFONSO, Oakland, Calif., assignor to Universal Telescope Mute Company, San Francisco, Calif., a Corporation of California. Filed Aug. 1, 1921. Serial No. 489,144. 2 Claims. (Cl. 84—400.)



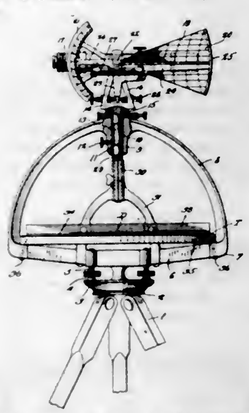
1. A mute comprising hollow telescopic sections one of which is open at both ends and the other of which is open at one end and closed at the other and means for moving one of said sections relative to the other to increase or decrease the volume within the sections, which means comprises a shaft mounted for rotation on one of said sections, a pinion on said shaft, a rack bar on the other section with which the pinion engages and a handle portion on said shaft.

1,467,423. VEHICLE HEADLIGHT. HENRY R. DAVIES, Toledo, Ohio, assignor to Electric Auto-Lite Corporation, Toledo, Ohio, a Corporation of Delaware. Filed Feb. 13, 1918. Serial No. 216,855. 9 Claims. (Cl. 240—41.)



1. In a headlight, the combination of the casing, a reflector pivoted in said casing, a lamp socket pivoted in said casing, means for tilting said socket independently of said reflector and for tilting both said socket and said reflector.

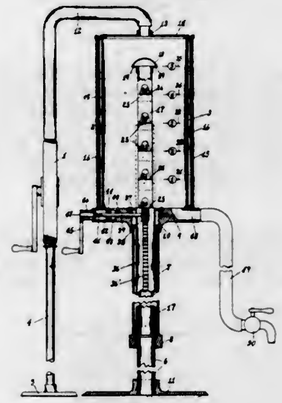
1,467,424. SURVEYOR'S INSTRUMENT. PHILIP B. DAYLOR, Steelton, Pa., assignor of one-half to Clark L. Kepner, Steelton, Pa. Filed Aug. 17, 1922. Serial No. 582,443. 4 Claims. (Cl. 33—67.)



1. In an instrument of the class described the combination with a stationary drawing board, of a telescope mounted for rotation about an axis perpendicular to the board, a scale supported close to the board and rotatable with the telescope, said scale having a straight edge intersecting the axis of rotation thereof and extending diametrically across the board.

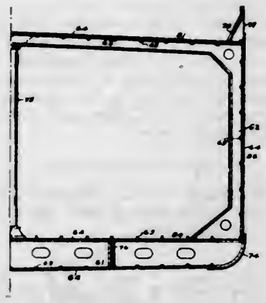
1,467,425. LIQUID MEASURING AND DISPENSING APPARATUS. FREDERICK WILLIAM DELANOY, Alameda, Calif. Filed Feb. 12, 1920. Serial No. 358,186. 2 Claims. (Cl. 221—100.)

1. In an apparatus of the character disclosed, a measuring container including a transparent wall, means for pumping liquid into said container, an overflow pipe in said container having overflow ports at various levels corresponding to various measures, means for covering said ports to measure various quantities of liquid, measure adjusting sleeves screwed into said overflow pipe for adjusting the height of the lower edge of said measuring ports, and means for delivering the measured liquid from said container.



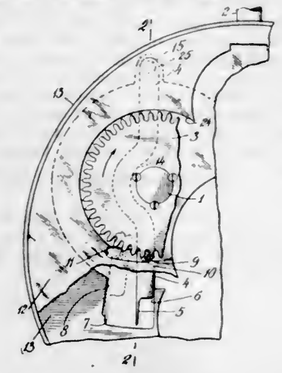
2. In an apparatus of the character disclosed, a measuring container including a transparent wall, means for filling said container, an overflow pipe in said container having overflow ports at various levels corresponding to various measures, means for covering said ports to measure various quantities of liquid, measure adjusting sleeves screwed into said overflow pipe for adjusting the height of the lower edge of said measuring ports, and means for delivering the measured liquid from said container.

1,467,426. ART OF STEEL SHIP-HULL CONSTRUCTION. ROBERT ELWOOD ELLIS, Everett, Wash. Filed July 1, 1920. Serial No. 393,250. 1 Claim. (Cl. 114—79.)



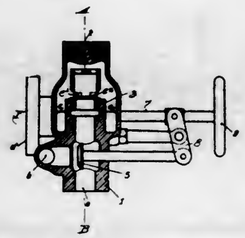
A ship hull substantially square in vertical cross-section at all transverse planes, said hull being composed of plates of channel metal the flanges of which are riveted together, said channels extending lengthwise along the deck, sides and bottom, the terminal side and bottom plates being spaced apart and a bilge plate extending from stem to stern, which bilge plate connects said side and bottom plates, said bilge plate being continued and curved upwardly at the rear end, forming a flat bottom stern, whereby compound curvature of any of the channels is avoided.

1,467,427. WATCH-WINDING MECHANISM. JOSEPH A. FREUND, Newtonville, Mass., assignor to Keystone Watch Case Company, Philadelphia, Pa., a Corporation of Pennsylvania. Filed July 5, 1918. Serial No. 243,298. 10 Claims. (Cl. 58—83.)



1. In winding mechanism for watches, a toothed winding wheel, a barrel arbor to which said winding wheel is secured, a bridge member mounted adjacent said winding wheel and formed with a guide slot, a click cooperating with the teeth of said winding wheel and having a connected click stud operating in said guide slot, a click lever on which said click is mounted and having an offset portion extending around said barrel arbor and having a pivot substantially diametrically across said winding wheel and on the opposite side thereof from said click, a dial plate formed with a pivot recess to accommodate the pivotal portion of said click lever, a holding recess in said dial plate to accommodate the free end of said click lever and formed with a holding member, a restoring lug in said recess and an integral restoring spring on said click lever to engage said restoring lug and maintain said click in engagement with the teeth of said winding wheel during the forward movement thereof, said holding recess allowing a considerable recoiling movement of said click lever and click when the forward winding movement of said winding wheel ceases.

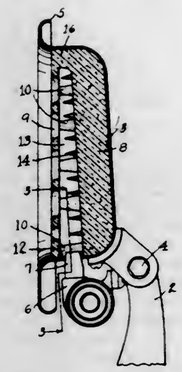
1,467,428. FEED HEAD FOR STEAM BOILERS. WILHELM HILDEBRAND, Berlin-Lichtenberg, Germany, assignor to Handel Maatchappij H. Albert de Bary & Co., Amsterdam, Netherlands, a Dutch Company. Filed Aug. 26, 1921. Serial No. 495,511. 2 Claims. (Cl. 277—65.)



1. In a feed head for steam boilers, particularly applicable for use with locomotive boilers, a casing comprising a main tubular portion having therein a vertical water inlet passage and a cylindrical chamber of larger diameter above said passage, an inner tube lining the upper part of said passage and projecting into said cylindrical chamber, said inner tube forming a

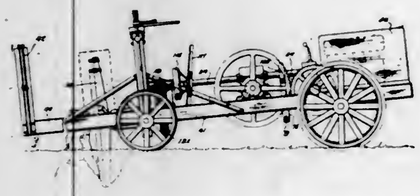
valve seat and being horizontally slotted at diametrically opposite parts thereof, a pressure-actuated non-return valve working in said inner tube and adapted when lifted to uncover the slotted parts of such inner tube to give communication between said vertical water inlet passage and said cylindrical chamber, an approximately semi-circular hollow extension of said casing open to the said cylindrical chamber and comprising two symmetrical curved substantially horizontal passages below said cylindrical chamber, an outlet branch of said casing comprising a second chamber located at the level of said curved passages, said curved passages uniting in a single inlet to said second chamber, and a stop valve adapted to work in said outlet branch beyond said second chamber.

1,467,429. GAS HEATER. HUBERT R. HUMPHREY, Kalamazoo, Mich., assignor to General Gas Light Company, Kalamazoo, Mich. Filed Oct. 25, 1922. Serial No. 596,900. 10 Claims. (Cl. 126—92.)



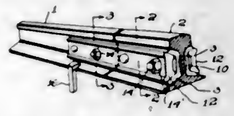
5. In a gas heater, the combination with a body, of a combined fireback and radiating element consisting of a rear wall constituting a fireback and a foraminate front wall integrally connected thereto by spaced tie members, and a burner provided with tips directed between the front and back walls.

1,467,430. CUTTER HEAD FOR STUMP REMOVING AND CLEARING MACHINES. SYLVESTER L. HURD, New Orleans, La. Filed Apr. 29, 1922. Serial No. 557,465. 5 Claims. (Cl. 144—2.)



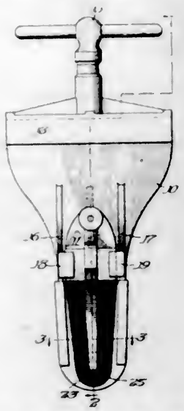
1. In an implement of the class described, a power-driven cutting head provided with radially extending arms, said arms being curved in the plane of rotation of the head, a plurality of knives, means for detachably securing said knives in spaced lapping relation on said arms, on the convex side of each arm said knives being positioned parallel to the axis of the head, and an additional knife for each arm contiguous to the extreme end thereof.

1,467,431. RAILWAY-RAIL JOINT. JACOB A. HYLE, Philadelphia, Pa., assignor to American Rail Joint Company, a Corporation of Delaware. Filed Dec. 9, 1922. Serial No. 605,757. 7 Claims. (Cl. 238—244.)



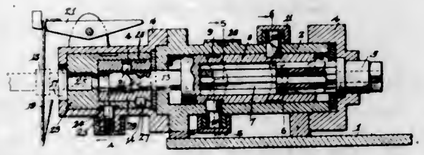
1. A rail joint of the character described, comprising track rails, a splice bar formed with a recess within its outer face and a slot cut therethrough at each side of its longitudinal central portion, and means fitted within said recess and slots for causing the upper and lower portion of said splice bar to be flexed against the rail tread and rail base, respectively.

1,467,432. CLAMPING CONTACT TERMINAL. GEORGE F. JOHNSTONE, Chicago, Ill. Filed Apr. 17, 1922. Serial No. 553,597. 7 Claims. (Cl. 205—5.)



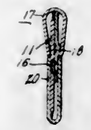
1. In a device of the character described the combination of a pair of members constructed to releasably engage and support another member between them, the parts thereof adjacent the portions which engage the member to be supported being insulated, one of said portions being provided with a contact making element which engages said member to be supported and means for protecting said contact when said contact is in engagement with said member.

1,467,433. HAMMER DRILL. EDWARD P. JONES, Breckenridge, Colo. Filed Sept. 3, 1921. Serial No. 498,505. 3 Claims. (Cl. 255—42.)



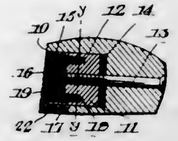
2. A drill machine comprising rotary reciprocating means; rotary drill carrying means; a ratchet drive member; a cam groove carried by said first mentioned means; and means co-acting with said cam groove to drive said ratchet drive member and thereby impart intermittent rotary motion to said drill carrying means.

1,467,434. CUTTING DEVICE. PALMER KENNEDY, Tacoma, Wash. Filed May 10, 1921. Serial No. 468,390. 9 Claims. (Cl. 30—25.)



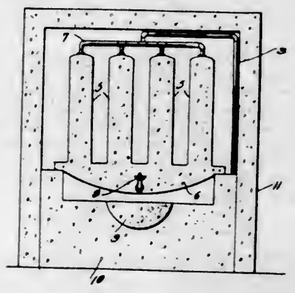
3. A cutting device comprising a holder, a separate flat blade having only one face in contact with said holder, and a clip engaging over the adjacent edges of the blade and holder, to hold the blade in place, the clip being engageable with the holder and blade by a longitudinal sliding movement, and means on the holder to hold the clip against transverse movement, substantially as set forth.

1,467,435. GOLF CLUB. WILLIAM KINNEAR, Saskatoon, Saskatchewan, Canada. Filed Jan. 31, 1921. Serial No. 441,389. 1 Claim. (Cl. 46—4.)



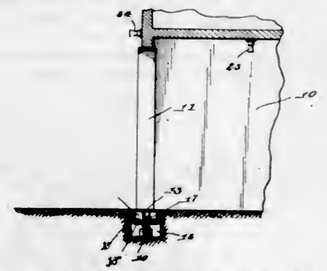
A golf club of the character described comprising a head, a cylindrical recess therein, a cylindrical weight in screw-threaded engagement with said recess, means for retaining the weight in position comprising a bolt extending transversely through the head and in screw-threaded engagement with the weight, a plurality of washers for the innermost side of the weight, an annular screw-threaded recess in the outer end of said weight adapted to receive a facing member, means for adjusting the weight of the club head including an annular recess in the weight designed to receive interchangeable washers therein, said washers being retained in position by the face member, a sole member for the head, and means for retaining it in position.

1,467,436. WATER COOLER. JOSEPH PETER KRAMER, Madera, Calif. Filed Sept. 23, 1922. Serial No. 590,087. 2 Claims. (Cl. 62—154.)



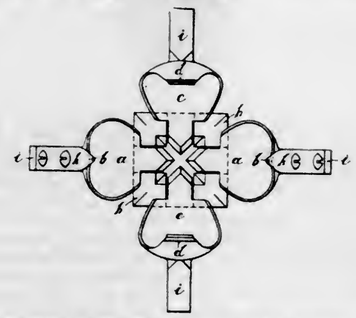
2. A water cooler comprising a chamber and a plurality of containers mounted side by side upon said chamber and in communication therewith, both the chamber and containers being formed of porous material, a base having the chamber and containers mounted thereon and provided with a basin to receive the waste water, and a frame extending over and along opposite sides of the containers, chamber and base.

1,467,437. AUTOMATIC SIGNAL. RALPH LANDINI, Trimountain, Mich. Filed May 18, 1920. Serial No. 382,422. 1 Claim. (Cl. 200—85.)



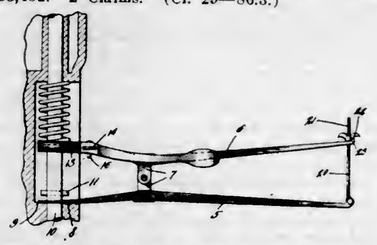
A device of the class described comprising a depressible member, substantially L-shaped flanges depending from opposite sides of said depressible member, a pair of oppositely disposed L-shaped plates secured to said flanges, a stop disposed beneath said depressible member, a plurality of pins carried by said stop and positioned between said L-shaped plates, coil springs surrounding said pins and exerting a pressure between said stop and said plates, and a plurality of electric contracts carried by said stop and said L-shaped plates.

1,467,438. APPARATUS FOR THE MANUFACTURE OF HOLLOW INDIA-RUBBER BALLS. ALFRED LAWTON, Manchester, England. Filed June 8, 1922. Serial No. 566,749. 4 Claims. (Cl. 18—19.)



1. In a ball making machine, four petal-shaped plates arranged in pairs and pivotally connected together at one end, the plates of one pair being longer than the plates of the other pair and being provided with transversely arranged ends which meet together and form a joint when the plates are closed.

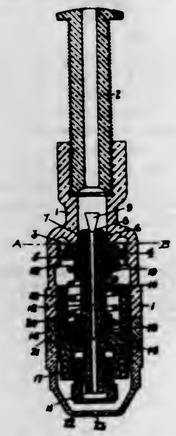
1,467,439. VALVE LIFTER. HARRY DANIEL LINDENMUTH, Fleming, Pa. Filed Feb. 1, 1922. Serial No. 533,432. 2 Claims. (Cl. 29—86.3.)



1. In a valve spring compressor, opposed arms pivotally connected, one of said arms having a bifurcated extremity to be positioned over a valve stem, one end of the opposed

arm being curved, a jaw section cooperating with the curved end to grip a valve washer, said jaw section having pivotal connection with the curved end and having a rearwardly extended arm adapted to lie in spaced relation with the second mentioned arm to permit the pivoted jaw section to move with respect to the curved end of the second mentioned arm, and resilient means for normally urging the jaw section to its active position.

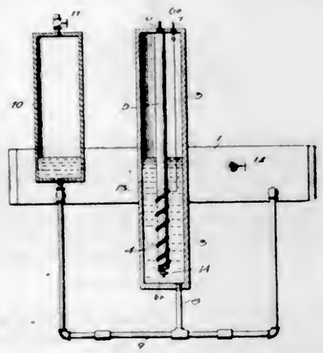
1,467,440. VALVE FOR USE IN CONNECTION WITH PNEUMATIC TIRES APPLICABLE FOR OTHER SUITABLE PURPOSES. JAMES LUMB, Elland, England. Filed Mar. 13, 1922. Serial No. 543,342. 2 Claims. (Cl. 152—11.5.)



1. In a valve of the class described, the combination with a casing having a reduced neck, a central bore in said neck communicating with said casing, a plug adjustably secured to the interior of said casing provided in its opposed ends with recesses of different diameters, a port connecting said recesses, a valve stem having a central passage traversing said casing, an annular valve adjacent the upper end of said stem adapted to close the port in said neck, means for preventing rotation of said valve relative to the casing, a spring supported in one of said recesses for normally maintaining the valve closed, an inlet valve in said passage, a cap secured to the lower portion of said valve stem and extending within the other of said recesses for closing said central passage, a cover threadedly secured to the outer surface of said plug, and a lock nut interposed between said cover and said casing for locking the plug in a predetermined position relative to said casing.

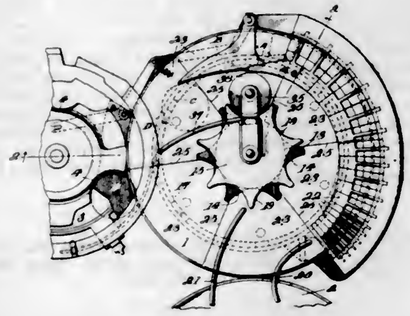
1,467,441. OIL PUMP. BARNETT WRIGHT MACY, Jacksonville, Fla., assignor to Electric Heating Corporation, Jacksonville, Fla., a Corporation of Florida. Filed Jan. 21, 1922. Serial No. 530,901. 10 Claims. (Cl. 219—19.)

1. An electric heating system, comprising a flat-topped hollow casting adapted to be supported with its upper surface in horizontal position, a vertically arranged cylindrical heat generating tank extending a substantial distance above and below said casting and having an axially located insulating bushing in the upper end thereof, a porcelain tube having a metallic core rod screwed into said bushing, said core rod projecting from the lower end of said tube, an insulated terminal screw in the upper end of said tank, a resistance coil wound on the lower end of said tube having its upper terminal connected to said terminal screw and having its lower terminal connected to the lower end of said core rod, a vertically arranged relief tank, extending a substantial distance above said casting, pipes connecting the bottoms of said tanks and connecting the same with the interior of said casting at points adjacent the ends and near the bottom thereof and a pipe connecting the side of said heat generating tank with



the interior of said casting between said points, the system being adapted to be filled with oil to a level affording substantial air spaces in the upper parts of said tanks.

1,467,442. TIMING DEVICE FOR FILLED-CAN-CLOSING MACHINE. EUGENE G. MASON, Washington, D. C., assignor to Continental Can Company, Inc., Syracuse, N. Y., a Corporation of New York. Filed Feb. 13, 1922. Serial No. 536,232. 11 Claims. (Cl. 198—34.)

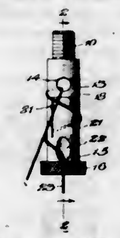


1. A timing device for cans including in combination a continuously moving timing element having a plurality of vertically movable sections, means for lowering the sections in succession to expose the advance edge of a following section, means cooperating with said timing element for placing a can against said exposed edge, and means whereby successive exposed edges are caused to discharge the cans from said timing element at predetermined timed intervals.

1,467,443. TENSION-THREAD GUIDE. ARTHUR A. MERRITT, Worcester, Mass., assignor to Willcox & Gibbs Sewing Machine Co., New York, N. Y., a Corporation of New York. Filed May 11, 1920, Serial No. 380,514. Renewed Feb. 7, 1923. 4 Claims. (Cl. 242—154.)

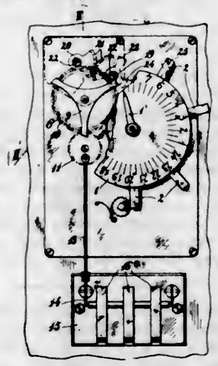
4. In a thread tension guide, a fixed stem member having a thread-eye therethrough, and a relatively adjustable cylindrical member also having a thread-eye therethrough and socketed in one end to form a sleeve portion frictionally embracing a cylindrical end portion of the stem and rotatively adjustable thereon, said members providing

a surface along which the thread passes from one of said thread-eyes to the other in a more or less spiral path



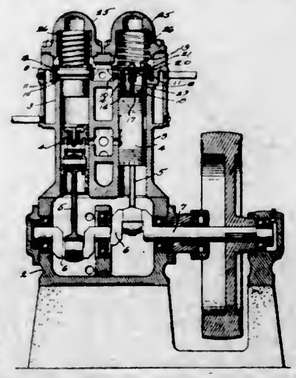
variable to increase or decrease the tension upon the thread by rotatably adjusting the sleeve member on the stem.

1,467,444. TIME SWITCH. JOSEF METTLER, Zug, Switzerland, assignor to Landis & Gyr A.-G., Zug, Switzerland. Filed Sept. 6, 1922. Serial No. 586,496. 10 Claims. (Cl. 200—40.)



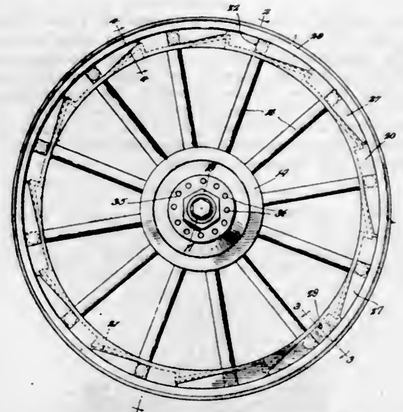
1. A time switch having means whereby the necessary force for the operation of the switching mechanism is stored during the time that the clockwork which actuates the release of the mechanism operating the switch is running light, these means consisting of a spring and a friction coupling connecting the clockwork with a tripping mechanism controlling the switch mechanism.

1,467,445. FALSE HEAD. LOUIS W. MEYERS and HARRY F. DEMKE, Chicago, Ill. Filed Mar. 27, 1922. Serial No. 547,189. 2 Claims. (Cl. 230—34.)



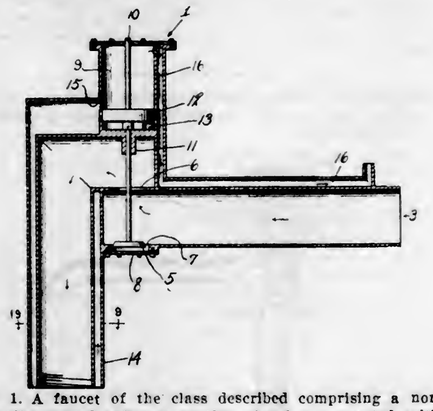
2. A false head comprising a cylindrical body member adapted to be received within a cylinder, said member being provided with an opening in its lower end, yielding means for closing said opening, the upper end of said member being provided with an annular flange, a ring adapted to be arranged on said cylinder, and shims arranged between said ring and said flange.

1,467,446. VEHICLE WHEEL. FREDERICK L. MINNICK, Spokane, Wash., assignor to Tubular Steel Automobile Wheel Manufacturing Company, Spokane, Wash., a Corporation of Washington. Filed Sept. 28, 1921. Serial No. 503,753. 6 Claims. (Cl. 301—17.)



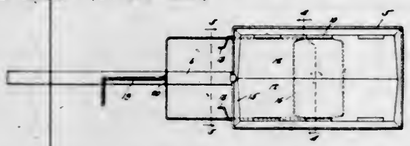
1. In a vehicle wheel, a felly, inclined seats, a rim surrounding the felly and provided with wedge members coacting with said seats, one side wall of the felly being formed with notches to accommodate said members whereby the rim may be removed laterally from around the felly, and tapered locking pins carried by the felly to coact with said members for riding the members into binding engagement with the seats, said pins being provided with heads fitting in said notches to coact with the members for securing the rim against lateral movement.

1,467,447. VALVE. THOMAS O. MOUNTAIN, El Paso, Tex. Filed Feb. 21, 1922. Serial No. 538,273. 3 Claims. (Cl. 226—127.)



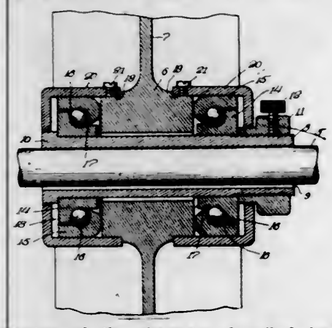
1. A faucet of the class described comprising a normally opened valve, a suction chamber connected with the faucet and through which the valve stem passes, a piston in said chamber connected with the stem, a connection from the chamber to a point adjacent the outlet end of the faucet and means for drawing air from the chamber.

1,467,448. CORN POPPER. BYRON E. PAGE, Spring Valley, Minn. Filed Apr. 14, 1922. Serial No. 552,497. 1 Claim. (Cl. 259—124.)



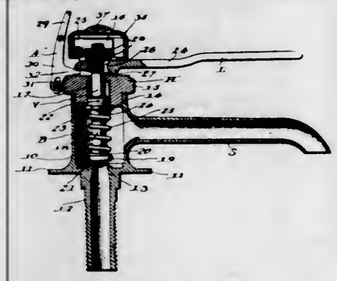
In a device of the character described, a pan, including a handle, a slidable agitating member comprising laterally spaced bars adapted to move over the supporting surface of the pan, spaced horizontal operating bars extending into the pan and secured to the agitating member and having right angled portions having their ends formed into loops to embrace a portion of a handle, and said right angled portions terminating in a handle for operating the agitating member.

1,467,449. MACHINE ELEMENT. CARL F. PEARSON, Chicago, Ill., assignor to Chicago Machine & Motor Co., a Corporation of Illinois. Filed Oct. 18, 1920. Serial No. 417,659. 4 Claims. (Cl. 64—36.)



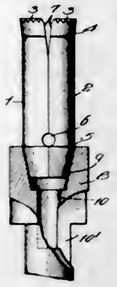
1. Apparatus of the character described having in combination a sleeve to be rigidly secured to a shaft; a three-part hub rotatably carried by the sleeve, two parts being removable; an anti-friction bearing located at each end of the structure, said removable parts overlying and supporting the respective outer rings of the bearings and means to vary the effective length of the sleeve to adjust the relation between the bearings and the hub.

1,467,450. FAUCET. GUSTAV PFLEGER, Bridgeton, N. J. Filed Apr. 14, 1922. Serial No. 552,536. 3 Claims. (Cl. 251—166.)



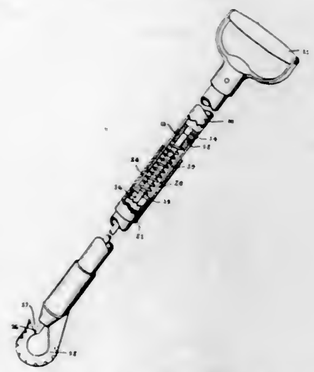
2. In combination, a valve casing, a spring pressed valve stem within said casing, a lever having an opening in one end adapted to receive said stem and said lever being adapted to rest upon the casing, means to hold the lever against disengagement with said stem, and said lever being adapted to be engaged for lifting said valve when tilted in one direction, a latch member pivoted to the casing and having a finger extending laterally therefrom adapted to be brought beneath the associated end of the lever and hold the same in its tilted position.

1,467,451. TUBULAR DRILL. JOHN H. PHILLIPS, Chicago, Ill. Original application filed July 21, 1919, Serial No. 312,243. Divided and this application filed Nov. 22, 1919. Serial No. 340,028. 6 Claims. (Cl. 255—72.)



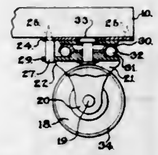
2. A percussion drill comprising a plurality of similarly formed parts arranged together to provide a tubular shell, the parts at one extreme end of the shell formed with cutting teeth about the edge, said parts being cut away at their juncture adjacent said toothed end and inwardly beyond said teeth to provide a substantially V-shaped recess extending inwardly beyond the base line of said teeth, whereby when the drill is operated the drillings will pass through the bore of the tubular shell.

1,467,452. BULL-LEADING STAFF. ROBERT F. RASMUSSEN, Oshkosh, Wis., assignor to C. A. Libbey Company, Oshkosh, Wis., a Corporation of Wisconsin. Filed Aug. 7, 1922. Serial No. 580,213. 3 Claims. (Cl. 119—152.)



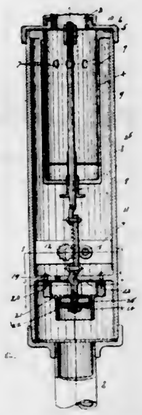
1. In a device of the class described, a tubular staff provided on its ends with a handle and a hook respectively, a longitudinally displaceable locking rod for closing the throat of said hook, spring means tending to normally extend said locking rod, a displaceable sleeve on said staff, a pin carried by said sleeve and engaging said locking rod, said staff being provided with slots cooperating with said pin for securing said locking rod in its extended or retracted position, said slots being formed with lateral offsets provided with seats for said pin whereby said pin will be maintained in said seats by the tension of said spring.

1,467,453. CASTER FOR TOYS. EDMOND REMACLE, Newark, N. J. Filed Apr. 18, 1922. Serial No. 554,394. 2 Claims. (Cl. 16—21.)



1. In a device of the class described, a wheel, a yoke for mounting the wheel, a plate to be secured to the body of the vehicle, a race member, means for securing the race member to the plate, said means retaining the yoke in position for permitting an element thereof to cooperate with the race members, and anti-friction devices between said element of the yoke and race members, the aforesaid yoke including a slotted extension, and a stationary element engaging the slotted portion for limiting the swinging of the yoke.

1,467,454. FLUSHING MECHANISM. FLETCHER C. ROOD, Walla Walla, Wash. Filed Sept. 1, 1920. Serial No. 407,375. 11 Claims. (Cl. 137—93.)



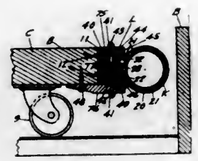
6. In a mechanism of the character referred to, a casing adapted to be connected into a water line to control the flow of water therethrough, a valve at the entrance end of said casing normally held closed by water pressure, means for manually opening said valve, means above said valve operated by inflowing water to automatically close said valve, and means whereby the closing action is delayed until a quantity of water has passed through said casing.

1,467,455. DENTIFRICE. OSCAR F. SCHMID, Jackson, Mich. Filed Nov. 15, 1919, Serial No. 338,364. Renewed Feb. 28, 1923. 4 Claims. (Cl. 167—9.)

1. A tooth paste consisting of the following ingredients: chlorate of potash 12%, precipitated calcium carbonate 33%, glycerine 10%, sugar 10%, mineral oil 5%, menthol .5%, flavoring 1½%, starch 3%, gum tragacanth .5%, water 24½%.

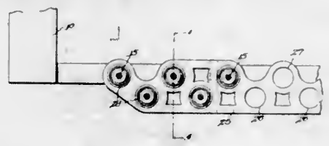
4. A tooth paste containing in its ingredients a substantial percentage of emulsified tasteless mineral oil.

1,467,456. REVOLUBLE BUFFER. EARL J. SILVIUS, Salem, N. H. Filed July 5, 1921. Serial No. 482,530. 4 Claims. (Cl. 46—27.)



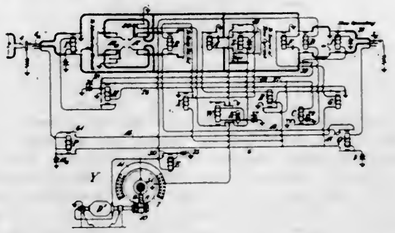
4. The combination with a car supported by rollers, of an annular buffer revoluble in a horizontal plane around said car.

1,467,457. SPINNING MACHINE. DAVID M. SULLIVAN and GEORGE W. BAITY, Greensboro, N. C. Filed Jan. 6, 1923. Serial No. 611,044. 12 Claims. (Cl. 118—67.)



2. An attachment for the usual spindle rail carrying a series of spindles comprising a rail extension having means for supporting a series of spindles in staggered relation to the main rail spindles, means for securing the extension to said main rail, and a ring rail common to said main rail and its extension.

1,467,458. SIGNALING CIRCUITS. JOHN F. TOOMEY, New York, N. Y., assignor to American Telephone and Telegraph Company; a Corporation of New York. Filed Nov. 24, 1919. Serial No. 340,133. 16 Claims. (Cl. 179—45.)

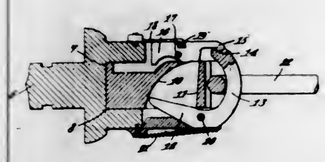


1. In combination, a plurality of transmission lines, a cord circuit for associating said lines, an operator's telephone set, means operative when said cord circuit is associated with said lines for disconnecting said set from said lines, and means operative selectively by signaling current in accordance with its duration for restoring the connection of said set to said lines.

1,467,459. CAR COUPLER. ROGER V. TUCKER, Byers, Tex. Filed Dec. 10, 1920. Serial No. 429,703. 4 Claims. (Cl. 213—190.)

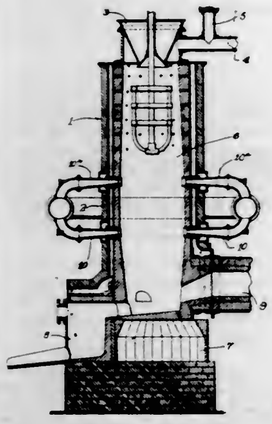
1. In a coupler head, a shank portion, said coupler head having an opening formed therein, a movable actuating bar operating in the opening, a latch member pivoted adjacent to the actuating bar and having an

extension contacting with the actuating bar, means for normally holding the latch member in an open position,



a pivoted keeper, and said actuating bar adapted to move the latch member into engagement with the keeper to lock the latch member.

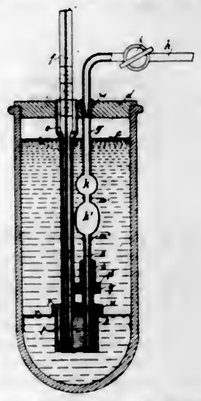
1,467,460. GAS MAKING. JOSEPH VAJK, Budapest, Hungary, assignor to Charles A. Filkorn, McKeesport, Pa. Filed Apr. 3, 1922. Serial No. 549,066. 1 Claim. (Cl. 75—14.)



A process for the production of highly heated generator gases consisting in closing the openings of the generator except an exit opening positioned below the incandescent combustibles within the generator, and in opening an upper exit upon every new charge for a period to permit the discharge of water-vapor and initial gasification products and gradually increasing the pressure within the generator, said upper exit being closed when the quantity of such gaseous products decreases and the temperature increases.

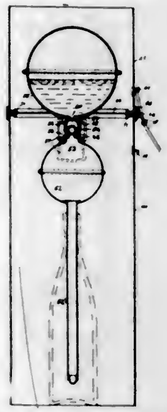
1,467,461. CAPILLARY VISCOSIMETER. HANS EDGAR RICHARD VOGEL, Hamburg, Germany, assignor to The Firm: Oelwerke Stern-Sonneborn A. G., Hamburg, Germany. Filed May 22, 1922. Serial No. 562,910. 6 Claims. (Cl. 265—11.)

1. In a capillary viscosity meter wherein the outflow of liquid to be tested from a measuring chamber takes place through a capillary tube projecting into a receiver arranged within a heating bath, the combination of a measuring chamber, a capillary outlet tube connected with said chamber and having the form of a pipette, a receiver into which the end of the pipette extends to a point adjacent to one end of the receiver, the latter being provided with an overflow device, a detachable connection



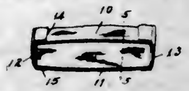
between said pipette and the overflow vessel, and an air outlet pipe for the receiver and overflow vessel respectively.

1,467,462. REFRIGERATOR. ANTON FREIHERR VON CODELLI, Moste, Yugoslavia. Filed July 27, 1920. Serial No. 399,399. 4 Claims. (Cl. 62—93.)



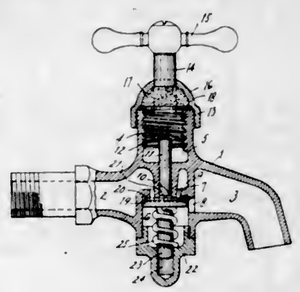
1. In a refrigerating device for liquids in combination, a closed narrow tube adapted for insertion in a narrow-neck bottle and serving as container for the refrigerating medium, an expansion vessel adapted to be connected with said tube, means for effecting an airtight connection between said expansion vessel and said tube and means for opening the end of said tube adjacent said expansion vessel as the airtight connection is being established.

1,467,463. PNEUMATIC SWIMMING BELT AND METHOD OF MAKING SAME. JOHN M. WELCH, Des Moines, Iowa. Filed Nov. 11, 1922. Serial No. 600,283. 5 Claims. (Cl. 9—17.)



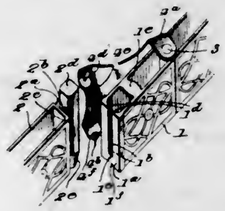
4. An improved pneumatic swimming belt composed of an inner wall member comprising a woven fabric with the weave arranged longitudinally and transversely thereof, and a layer of elastic rubber, an outer wall member made of the same material, upper and lower wall members each made of a strip of woven fabric, the weave thereof being on the bias and a strip of elastic rubber, the edges of said wall members being permanently united, the ends thereof being closed, an air valve inserted therein, means for detachably connecting together the ends of the swimming belt, and a vertically arranged stiffening bar at each end.

1,467,464. SAFETY FAUCET. PAUL B. WESSON, Springfield, Mass., assignor to Hampden Brass Company, Springfield, Mass., a Corporation of Massachusetts. Filed Sept. 29, 1921. Serial No. 504,078. 2 Claims. (Cl. 251—140.)



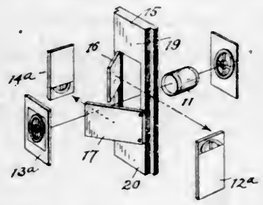
1. The combination, in a safety faucet, with a casing having therein inlet and outlet chambers and an intermediate chamber opening into said outlet chamber, and provided with a valve-seat between said inlet chamber and said intermediate chamber, and with a guide which has a passage through the same that is in line with the axis of said valve-seat, of a spring-pressed valve for said seat, a screw arranged and adapted to be rotated and reciprocated in said casing, and a plunger operating in said guide between said valve and said screw.

1,467,465. SEPARABLE FASTENER AND LOCK. MARTIN H. WIEDMANN, Newark, N. J. Filed Oct. 11, 1922. Serial No. 593,725. 14 Claims. (Cl. 24—201.)



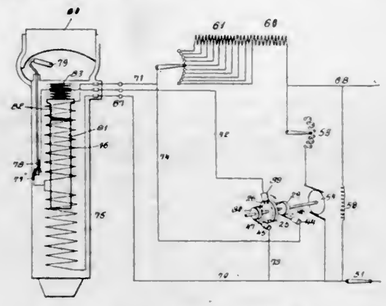
1. A combined clasp and lock for connecting two separable end members having a connection therebetween to the opposite ends of which they are secured, comprising a receiving member having an end and sides and a receiving opening extending inwardly from one side in a direction at right angles to the plane of said connection when its ends are connected, a latch member having a projecting portion adapted to be moved into said receiving opening, and a lock positioned to be moved in a plane at right angles to the line of said receiving opening over said receiving opening to prevent the outward movement therefrom of said projecting portion of said latch.

1,467,466. PHOTOGRAPHING APPARATUS. THEODORE A. WILLARD, East Cleveland, Ohio. Filed June 21, 1917. Serial No. 176,024. 6 Claims. (Cl. 88—164.)



1. In a camera, a casing, having an opening for rays of light, said casing being adapted to receive a plurality of films, means for moving the films intermittently, a carrier having reflecting means and adapted to be interposed in the path of the light rays so as to cause the rays to be directed onto the different films when the films are stationary, and means for moving the said carrier intermittently so that the carrier is stationary when transmitting light from the reflecting means to the films.

1,467,467. COMMUTATOR. COMFORT A. ADAMS, Cambridge, Mass., assignor of one-half to Francis S. Marden, Norfolk, Conn. Filed Aug. 19, 1916. Serial No. 115,768. Renewed Jan. 25, 1923. 7 Claims. (Cl. 172—240.)



1. A system of the character described, comprising a source of current, a pair of coils connected together, main conductors connecting the coils in series with the source, a magnetizable plunger within the coils, a common conductor leading from the point of connection of the coils, a contact member to which the common conductor is connected, a pair of movable conducting members adapted to engage the contact member alternately, a pair of movable conducting members, each electrically connected to one of the first-named conducting members, a fixed contact member engaging each of the last-named movable contact members, and conductors connecting the last-named fixed contact members to the main conductors.

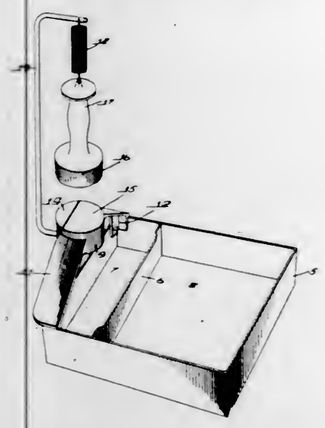
1,467,468. FLEXIBLE BRACELET. ADNA F. BLANCHARD, Cranston, R. I., assignor to Ideal Jewelry Manufacturing Company, Providence, R. I., a Corporation of Rhode Island. Filed Nov. 19, 1920. Serial No. 425,216. 6 Claims. (Cl. 63—4.)



6. A gem setting comprising a gem supporting frame provided with a base portion, an integral extension from one side thereof bent upwardly and then inwardly over

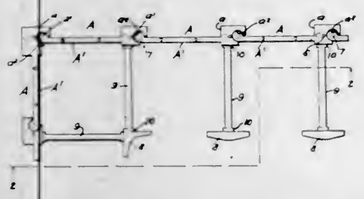
the said base portion to afford a seat for a gem, a body portion provided with a gem exposing opening fitting over said supporting frame, and means for securing said frame and body portion against separation.

1,467,469. TAG-AFFIXING MACHINE. WILLIAM BORCHERT and FRED L. BORCHERT, Rockford, Ill., assignors to The Tagit Company, Rockford, Ill., a Corporation of Illinois. Filed Oct. 29, 1920. Serial No. 420,420. 5 Claims. (Cl. 153—1.)



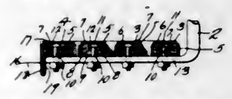
1. A tag-affixing machine of the character described, comprising a base shaped to provide an open-top receptacle for tags, an anvil rigid on the base, an upstanding support terminating at a point above and in vertical alignment with the anvil, a coil spring attached to and depending from the upper end of said support, and a maul attached to and depending from said spring in vertical alignment with the anvil and adapted to be manually depressed for striking a U-shaped tag positioned on the anvil for clamping said tag to a piece of flat material.

1,467,470. CONCRETE BULKHEAD OR RETAINING WALL. FREDRIK G. BORG, Chicago, Ill. Filed Jan. 3, 1921. Serial No. 434,853. Renewed June 16, 1923. 10 Claims. (Cl. 61—39.)



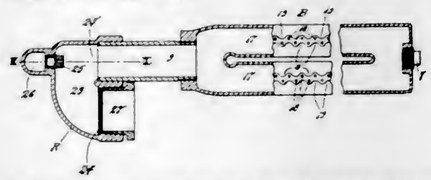
1. A buttressed dock or bulkhead made of concrete, consisting of a plurality of panels initially fabricated separately and each comprising a web, a bead formed at one edge of said web, the other edge of said web terminating in an enlarged columnar projection constituting a buttress and formed integral with the web, the said buttress being provided with a vertical groove at its outer edge adapted to receive the bead of another panel to thereby rigidly connect the panels, the buttress projections being adapted to sustain the total pressure to which the bulkhead will be subjected in use.

1,467,471. AUTOMOBILE RUNNING BOARD. THOMAS J. BOYAN and FELIX L. EKLUND, Portsmouth, N. H., assignors to Portsmouth Auto Body Company, Portsmouth, N. H. Filed May 18, 1922. Serial No. 561,919. 2 Claims. (Cl. 280—169.)



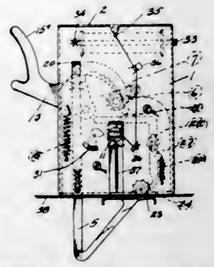
2. A running board comprising a plurality of spaced bars, said bars comprising wooden strips, said strips being encased in sheet metal, said sheet metal casing of each bar being formed from a single piece of material engaging the upper side of the bar, the sides of the bar and underlying the bottom of the bar adjacent the sides, members connecting the bars together, and bolts extending through the wooden strips and the members connecting the bars together and between the edges of the casing underlying the bottoms of the wooden strips.

1,467,472. GAS BURNER. LEWIS W. BURB, St. Louis, Mo., assignor to Jesse M. Williams, Webster Groves, Mo. Filed Nov. 28, 1921. Serial No. 518,236. 4 Claims. (Cl. 158—99.)



4. A gas burner comprising a pair of parallel gas conducting tubes integrally connected together and provided with discharge openings in their upper edges, each of said tubes having oppositely inclined side faces converging to its upper edge, said tubes being adjacent to each other to form a restricted air inlet between them, the adjacent inclined faces of said tubes being extended upwardly from the narrowest portion of said inlet to provide an upwardly flaring air passageway leading to said upper edges, each of said inclined faces being flat and provided at its upper margin with air conducting grooves terminating at the upper edge of the burner at points adjacent to the discharge openings, said tubes being provided with an open end for the admission of air, a gas nozzle mounted in the passageway through said tubes and arranged to discharge gas into said inlet and a gas conductor having an outlet at the bottom leading to said nozzle, said gas conductor being arranged at an angle relative to said passageway in said tubes.

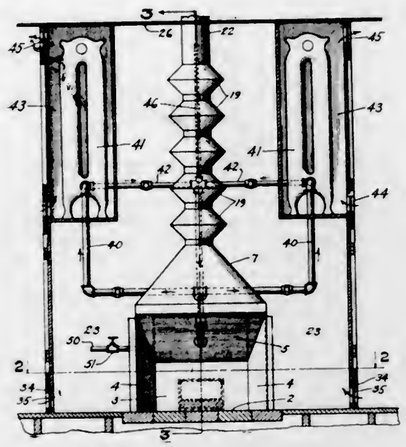
1,467,473. SEWING MACHINE. FRANK BUSSIERE, Essexville, Mich., assignor to Harrison W. Garland, Bay City, Mich. Filed June 19, 1920. Serial No. 390,283. Renewed Apr. 30, 1923. 4 Claims. (Cl. 112—169.)



4. A hand operated sewing machine comprising a vertically disposed plate, a casing removably surrounding

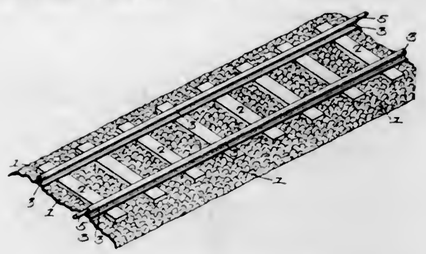
said plate and having a hinged top, a hinged spindle in said casing having a portion projecting beyond the casing for receiving a spool of thread, a reciprocating cross head in said casing, means to reciprocate said cross head, a needle removably carried by said cross head, a resiliently supported pressure bar extending beneath said casing, and means for feeding the cloth automatically across said pressure bar.

1,467,474. FIREPLACE. HENRY L. DAY, Minneapolis, Minn. Filed Nov. 26, 1921. Serial No. 517,982. 3 Claims. (Cl. 126—121.)



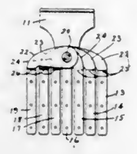
1. An open fire-place heater comprising a fire-chamber with an open front and formed of separable plates constituting its side, rear and top walls, a smoke-box in communication with the top of the fire-chamber and separable therefrom, a smoke-flue consisting of a series of independent sections connected with the smoke-box and separable therefrom, all of said parts being formed of heat conducting material, and a casing inclosing the fire-chamber, smoke-box, and smoke-flue, and forming air-chambers at opposite sides and at the rear of the fire-chamber, and around the smoke-box and smoke-flue, and having air inlets in the lower portions of its wall, the structure being adapted to be installed in a room outside of the usual chimney construction.

1,467,475. TOY RAILROAD TRACK. PAUL H. ÈGOLF, Narberth, Pa. Filed Nov. 15, 1922. Serial No. 601,072. 2 Claims. (Cl. 238—4.)



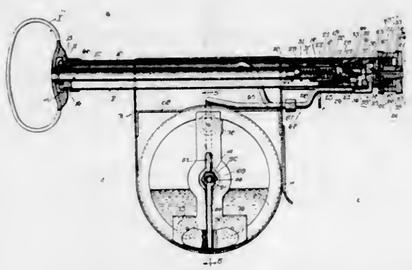
1. A track for toy railroads comprising an integral pressed-up structure representing ballast, ties projecting above said ballast, and rails carried by the ties, said rails having a sectional form corresponding substantially to the section of a standard rail but having a hollow head, substantially as described.

1,467,476. HINGE. JONATHAN FARVER, Shipshewanna, Ind. Filed Apr. 27, 1922. Serial No. 557,013. 3 Claims. (Cl. 16—162.)



1. A hinge for a device of the character described comprising a bracket element provided with a pintle; a plurality of arms hinged to said pintle, each of said arms being provided with an angular shank, a portion of said arm shanks extending from said hinge pintle to the right thereof and the others to the left thereof, said arms being off-set in opposite directions to bring their outer ends within the same plane, and a medial arm hinged to said pintle, said arm being substantially straight.

1,467,477. FIRE EXTINGUISHER. WILLIAM J. FRISBIE, Chicago, Ill., assignor to Justrite Manufacturing Company, Chicago, Ill., a Corporation of Illinois. Filed Feb. 8, 1922. Serial No. 535,021. 15 Claims. (Cl. 299—96.)

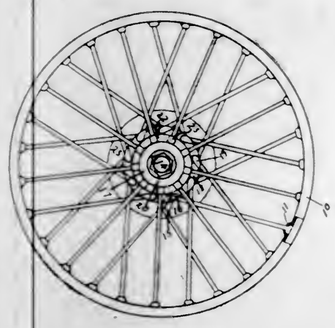


1. In a fire extinguisher, the combination of a reservoir having a semi-cylindrical lower end, an air pump extending horizontally at the upper end of said reservoir, a connection for conducting the pumped air into said reservoir, a circular track frame seated in said cylindrical bottom concentric therewith, a carrier frame ridable on said track frame, said carrier frame being weighted at one end whereby such end will always be at the bottom part of the reservoir when the extinguisher is rotated during use, an intake pipe carried with said weighted end, a nozzle at the front end of said air pump, and a connection between said nozzle and intake pipe for conducting fluid from said intake pipe to said nozzle.

1,467,478. METALLIC VEHICLE WHEEL. CHARLES J. W. HAYES, Rochester, Mich., assignor to Ford Motor Company, Detroit, Mich., a Corporation of Delaware. Filed Sept. 2, 1920. Serial No. 407,647. 12 Claims. (Cl. 301—56.)

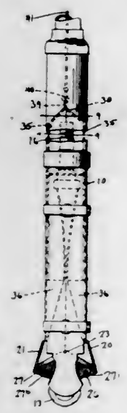
7. A metallic wheel having a cylindrical hub shell, an annular flange at one end thereof having spoke receiving sockets formed therein, said sockets having their

axes disposed at an angle to radial lines from the axis of the shell, and a second flange contiguous with the first flange, said second flange having spoke receiving sockets therein each of which has its axis crossing



the axis of one of the first mentioned set of sockets whereby the electrodes of a welder may be applied to opposite sides of each pair of sockets to simultaneously weld in two spokes.

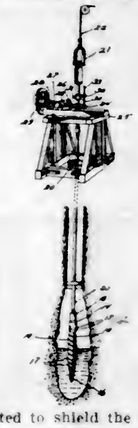
1,467,479. ROTARY ROCK DRILL. JOSEPH HENRITZI, Spokane, Wash. Filed Jan. 17, 1922. Serial No. 529,820. 3 Claims. (Cl. 255—71.)



1. A rotary rock drill comprising two sets of cone bits mounted in a drill pipe and adapted to rotate therewith, one set of said bits mounted above the other, the lower set being rotatably mounted on the lower end of the drill pipe and adapted to drill the smaller hole and the upper set rotatably mounted on the lower ends of a pair of rockable jaws adapted to drill such hole larger.

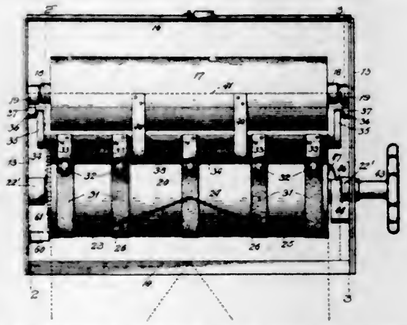
1,467,480. WELL REAMER. WILLIAM J. HOGUE, Kansas City, Mo., assignor to Petroleum Recovery Corporation, New York, N. Y., a Corporation of Delaware. Filed Dec. 19, 1921. Serial No. 523,304. 2 Claims. (Cl. 255—76.)

1. In combination with a well pump tubing, a reaming device adapted to be attached to the lower end of said tubing and comprising an axial stem portion and a pair of mating reaming cutters pivotally suspended on opposite sides of said stem portion for free outward swinging movement on rotation of said tubing, said stem portion terminating at its lower end in a drill



bit element adapted to shield the lower ends of the cutters in the lowering of the device to operative position.

1,467,481. DISPENSING APPARATUS FOR TOILET-SEAT COVERS. ARTHUR JULINE, Chicago, Ill., assignor of one-half to Oliver C. Dennis, Wilmette, Ill. Filed July 16, 1919. Serial No. 311,128. 3 Claims. (Cl. 211—32.)



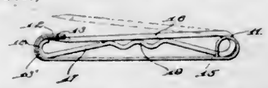
1. In dispensing apparatus of the character described, the combination of a case having a discharge opening, means to support a roll of paper in the case, a drum provided with knives for cutting sheets from the web and forming openings in the sheets, a support removably held in the case, and a stationary knife and a presser both secured to and removable with said support.

1,467,482. GARMENT. HENRY KARRETT, Des Moines, Iowa. Filed Feb. 27, 1922. Serial No. 539,406. 2 Claims. (Cl. 2—142.)



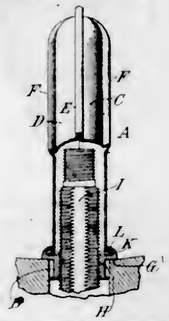
2. A garment of the class described having a lining and formed with a waist of minimum length, the said lining being laid adjacent to the upper edge of said garment, the upper edge of said garment and said lining being finished, a waist band having a lining of the same width, the edges of said lining and said waist band being finished, and means for securing the waist band of the upper edge to said garment in a detachable manner, the said waist band being of such width that when attached to the said garment, the waist of the garment will be of a maximum length for a given size, a series of belt strips, each of which has one of its ends firmly secured to the top edge of the waist and the opposite end secured to the top edge of the waist band in a detachable manner.

1,467,483. CLASP. CLIFFORD G. KING, Providence, R. I. Filed Nov. 21, 1922. Serial No. 602,345. 3 Claims. (Cl. 24—161.)



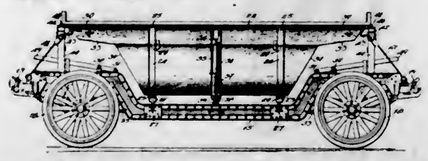
1. A clasp comprising a front plate having inwardly curving end portions, one of said end portions being disposed substantially parallel to said plate and constituting a pin-point-retaining means, and the other having a perforation in its upper part, and a pin-tongue of spring material bent upon itself and comprising an upper and a lower arm, the bent portion of said pin tongue passing through said perforation and the other end of the same being secured to said plate under said pin-point-retaining means.

1,467,484. DUST CAP FOR TIRE VALVES. HENRY P. KRAFT, Ridgewood, N. J. Filed Aug. 23, 1920. Serial No. 405,414. 2 Claims. (Cl. 152—12.)



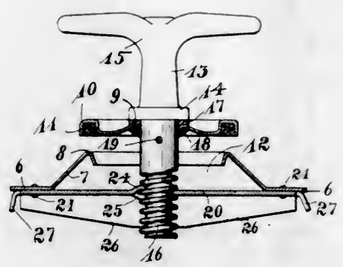
1. The combination with a wheel felloe having a valve hole therein of a valve of smaller diameter than said hole passing therethrough and a dust cap having a flange adapted to contact with the wheel felloe, and a portion below said flange of less diameter adapted to enter the valve hole in the felloe.

1,467,485. DUMPING VEHICLE. ALBERT PRESTON LEE, Chicago, Ill., assignor to Lee Loader & Body Co., Chicago, Ill. Filed Apr. 12, 1919. Serial No. 289,488. 6 Claims. (Cl. 298—10.)



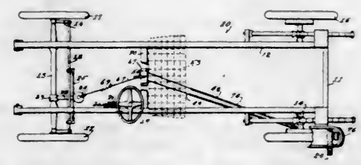
1. A device of the character described comprising a rolling hopper, a downwardly bent framework upon which said hopper is adapted to roll between charge carrying and discharge positions, and wheels supporting the framework, said hopper having at one extremity an upper longitudinally extending overhanging load-carrying extension, and the end walls of said hopper and extension flaring outwardly.

1,467,486. VALVE. FRANK S. LIVINGSTON, Los Angeles, Calif., assignor to Snow Manufacturing Company, Los Angeles, Calif. Filed June 24, 1921. Serial No. 480,203. 4 Claims. (Cl. 137—13.)



1. In a valve, a body member stamped of sheet metal having a flange projecting outwardly at one end and having a rolled-in edge projecting inwardly at the other end to form a valve seat, the portion between the two flanges being of conical form; a cover-plate stamped of sheet metal having means to engage with the seat of the body member; a female member stamped of sheet metal in form of a perforation through the sheet metal, the edge in the perforation being cut in and formed along a spiral curve concentric to the perforation; and a screw member to engage with the female member for holding the cover-plate in controlling relation to the body member.

1,467,487. DIRECTION INDICATOR FOR MOTOR VEHICLES. RODNEY N. MCCLURE, Los Angeles, Calif. Filed Nov. 14, 1921. Serial No. 515,108. 4 Claims. (Cl. 116—36.)

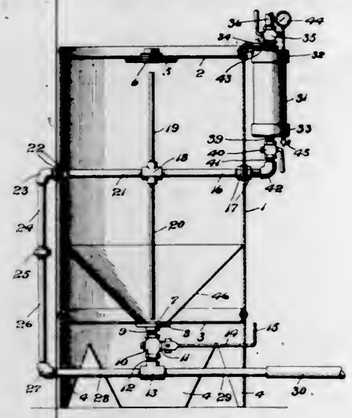


1. In a direction indicator a pair of signal vanes, a manually operated lever adapted to move one of said signals into operative position when moved in one direction and to operate the other of said signals when moved in the other direction, means whereby said lever becomes locked in either position and means operable upon movement of said steering mechanism to release said locking means.

1,467,488. SAND-BLAST MACHINE. LEONARD MUSTE, Grand Rapids, Mich. Filed Oct. 9, 1920. Serial No. 415,838. 2 Claims. (Cl. 51—12.)

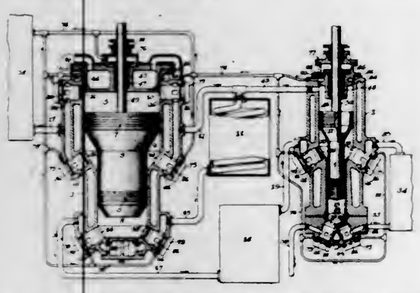
1. In a construction of the character described, a container for sand having a bottom with an outlet thereto, an air conduit pipe passing horizontally through the container between its upper and lower ends, a second pipe located substantially horizontally under the bottom of the container, a third pipe connecting one end of each of the first and second pipes, means located between and connecting the bottom of the container with said second pipe, whereby sand in the container may be passed therefrom through the outlet to said second pipe, two oppositely ex-

tending vertical branch pipes connected with the first pipe inside the container, one extending nearly to the upper side of the container, and the other to a point



directly over said bottom outlet, and means for controlling the passage of sand from the container to said second pipe.

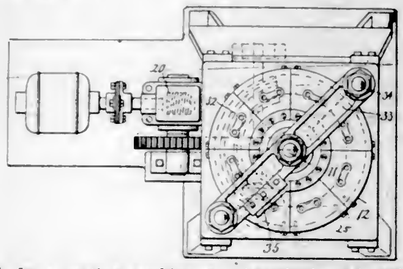
1,467,489. COMPRESSOR. BRUNO V. NORDBERG, Milwaukee, Wis. Filed Aug. 12, 1918. Serial No. 249,405. 10 Claims. (Cl. 230—32.)



4. In a compressor the combination of a cylinder having a removable head provided with a stuffing box, a piston fitting the cylinder and provided with a rod passing through the stuffing box in the removable head, and a bonnet forming with said head a chamber around the piston rod over and enclosing the stuffing box in the removable head, said chamber being connected with the inlet to the compressor to collect gas which may leak through the stuffing box to be conducted back to the inlet of the compressor.

10. In a compressor the combination of a cylinder having adjoining coaxial bores each provided for a single stage of compression, the bore of the low pressure stage being provided at each end with suction and discharge valves, and the adjoining smaller bore being provided at its distant end only with suction and discharge valves, all spaces within the cylinder being active compression spaces, a head detachably fastened to the larger end of the cylinder and provided with a stuffing box, and a stepped piston fitting the bores of the cylinder and provided at its larger end with a rod passing through the stuffing box in the detachable head, the larger step of the piston being double acting and the adjoining smaller step being single acting, the piston being removable bodily through the larger end of the cylinder without disturbing the mounting and the suction and discharge connections of the cylinder.

1,467,490. CASTING MACHINE. PAUL E. NORRIS, Swissvale, Pa., assignor to Willard Storage Battery Company, Cleveland, Ohio, a Corporation of West Virginia. Filed Apr. 9, 1920. Serial No. 372,594. 5 Claims. (Cl. 22—77.)



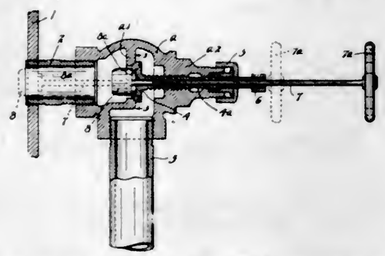
1. In a casting machine, a rotary horizontal casting table composed of a plurality of separate or independent fixed mold blocks having mold cavities and having a continuous flat surface and provided on the lower sides thereof with vertically movable ejectors, each ejector and its mold block constituting a unit which may be applied to or removed from the machine, and means controlled by the movement of the table for elevating the ejectors to lift the castings from the mold cavities.

1,467,491. TWIST DRILL. EDD C. OLIVER, Adrian, Mich. Filed July 11, 1921. Serial No. 483,870. 4 Claims. (Cl. 77—70.)



1. A twist drill having the face of each land formed at the desired clearance angle and being concave in form to an increasing extent from near the cutting edge to the rear of the land and with an increased depth of depression just forward of the point at the rear of each land, whereby the point forms a cutter.

1,467,492. COMBINED WATER-FEED VALVE AND CLEANER. FRANK A. OLSON, Revere, Minn. Filed May 19, 1921. Serial No. 470,884. 9 Claims. (Cl. 251—29.)



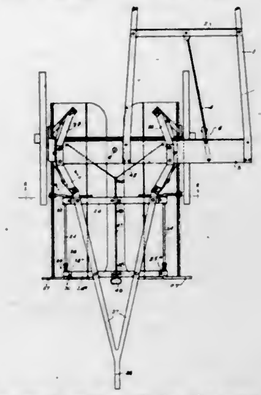
4. A device of the class described comprising a feed water pipe, a controlling valve connected thereto, a closing member for said valve adapted to be turned so as to move to a closing position, a stem extending through said member and provided at its outer end with means for turning the same, said stem having at its inner end a member adapted to be engaged or disengaged with said closing member to turn the same and also adapted to be projected through the said pipe to clear the same.

1,467,493. MANUFACTURE OF ARTIFICIAL FILAMENTS, THREADS, AND FILMS. CHARLES WILFRED PALMER and WILLIAM ALEXANDER DICKIE, Spondon, near Derby, England, assignors to Henry Dreyfus, London, England. Filed Dec. 20, 1921. Serial No. 523,759. 3 Claims. (Cl. 18—54.)

1. In a process for the manufacture of filaments, threads or films, extruding cellulose acetate in solution into an aqueous coagulating bath containing an agent capable of swelling and controlling coagulation of the cellulose acetate, said agent being miscible with water.

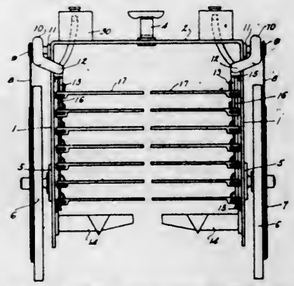
3. In a process for the manufacture of filaments, threads or films, extruding a solution of cellulose acetate in acetone into an aqueous coagulating bath containing acetone.

1,467,494. INSECT CATCHER. LUTHER PATTON, Birmingham, Ala. Filed May 24, 1922. Serial No. 563,393. 7 Claims. (Cl. 43—133.)



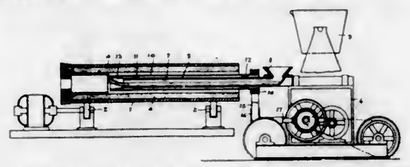
3. In an insect catcher of the character described, an arched wheel supported frame carrying troughs and plant shaking appliances, a draft rigging connected to the frame, a steering handle for the frame extending rearwardly, and means for raising and lowering the troughs comprising operating cranks disposed adjacent to the handle.

1,467,495. INSECT CATCHER. LUTHER PATTON, Birmingham, Ala. Filed July 8, 1922. Serial No. 573,651. 9 Claims. (Cl. 43—141.)



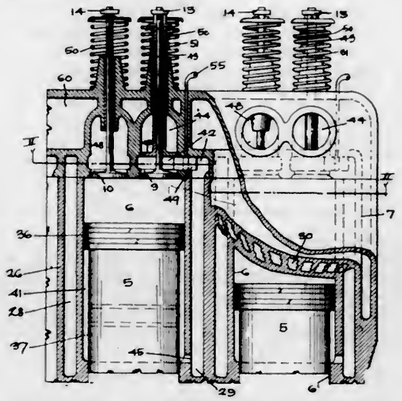
1. In a machine of the character described, a plurality of yieldable plant agitators carrying means for delivering air jets against the plants, and means to supply a blast of air to said jets.

1,467,496. PIPE-CASTING MACHINE. WILLIAM J. PERRY, Toronto, Ontario, Canada. Filed Apr. 7, 1921. Serial No. 459,403. 4 Claims. (Cl. 22—65.)



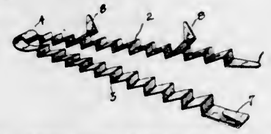
1. In a pipe casting machine, the combination with a rotating mould and a nonrotatable pouring spout relatively movable longitudinally, of a rotatable member arranged at the delivery end of the spout adapted to impart a rotative movement to the metal flowing from the end of the spout.

1,467,497. INTERNAL-COMBUSTION ENGINE. CHARLES W. PHILIP, San Francisco, Calif. Filed Dec. 16, 1920. Serial No. 431,282. 7 Claims. (Cl. 123—122.)



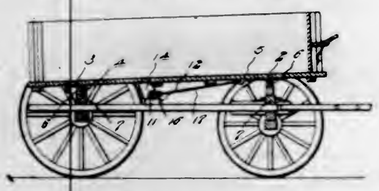
1. An internal combustion engine comprising a cylinder of dual diameter having an oil cooling system thereabout; a piston of dual diameter reciprocable within said cylinder; a plurality of intercommunicating chambers interposed between said oil cooling system and cylinder into which a fuel vapor is adapted to be introduced; means for utilizing said cooling medium to absorb the heat of combustion generated within said cylinder; a carburetor on said engine for controlling the admission of fuel into said chambers; a conduit connecting said oil cooling system with said carburetor and means for compressing the fuel vapor contained within said chambers between said piston and cylinder by the difference in diameters therebetween before introducing it into the cylinder.

1,467,498. HAIR WAVER. LOUIE RADCLIFFE, Indianapolis, Ind. Filed Feb. 21, 1923. Serial No. 620,416. 2 Claims. (Cl. 132—38.)



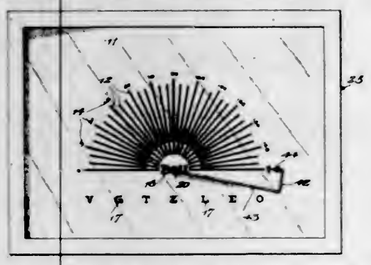
1. A hair waver comprising a series of elongated sections of metal bent to form series of teeth adapted to receive strands of hair therebetween, and means for relatively adjusting the said sections longitudinally of each other to vary the wave.

1,467,499. AUTOMATIC WAGON BRAKE. CASPER JAMES REASONER, Dows, Iowa, assignor of one-third to Armie Lantz, Highmore, S. Dak. Filed Sept. 23, 1922. Serial No. 590,027. 1 Claim. (Cl. 188—178.)



The combination in an automatic wagon brake, of a wheeled frame including bolsters, transverse anti-friction rollers arranged above and alined with the bolsters and having reduced journals at their ends, housings on the bolsters and receiving the said journals of the rollers, anti-friction means disposed in the housings and surrounding the journals of the rollers; the forward transverse roller being located in a horizontal plane above that of the rear transverse roller, a body arranged in inclined position above the rollers and having plates secured to the bottom thereof and bearing on said rollers, the rear plate having pendent flanges at its forward and rear edges, transverse levers fulcrumed on the wheeled frame and having their outer ends equipped with brake shoes disposed in front of the rear wagon wheels, and a connection between the inner ends of said levers and the bottom of the body at the rear edge of the forward plate, whereby when the body moves forwardly the brake shoes will be applied to the rear wheels in opposed relation thereto.

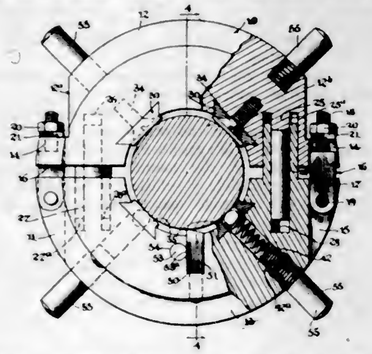
1,467,500. ASTIGMATIC AND VISUAL ACUITY APPARATUS. WILLIAM P. REAVES, Greensboro, N. C. Filed June 30, 1920, Serial No. 393,143. Renewed Feb. 21, 1923. 3 Claims. (Cl. 116—129.)



2. In an astigmatic and visual acuity device, a receptacle having an open end, a removable panel of translucent material, a series of radial lines or marks on said panel, a source of light within said receptacle adapted to illuminate said translucent panel and to render the radial lines visible, a shaft, an indicator on said shaft having a laterally offset headed end, the distance between the head of said indicator and the stem of said indicator being such that when the head of the indicator is in line with one of said marks that the stem will lie between two of the other marks, and means controlled by the oculist from his position beside the patient at a distance from the panel for rotating said shaft so as to bring the head of the indicator in line with a chosen one of said marks.

1,467,501. TURNING TOOL. WILLIAM FRANKLIN ROSEY, Denver, Colo. Filed Mar. 7, 1922. Serial No. 541,741. 7 Claims. (Cl. 82—4.)

1. In a turning tool of the character described, a pair of companion parts, one of said parts having an arcuate shoulder provided with channels at its ends, bifurcated lugs carried by the other of said parts and alined with the channels of said shoulders, eye-bolts having squared shanks pivotally connected to the arcuate shoulder, the square shank operating in the channels and being adapted to be received in the bifurcations of said lugs, said eye-bolts also having threaded stems projecting from said shanks, adjusting nuts operatively engaged with the threaded stems of said eye-bolts, rectangular



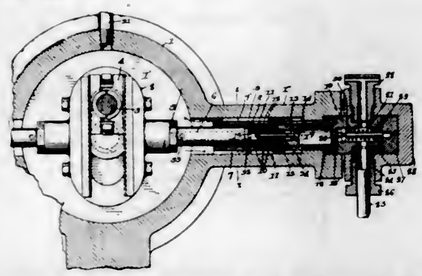
washers interposed between said adjusting nuts and said lugs, cooperating guide means between said companion parts for constraining them from proper movement toward and away from each other, a pair of carrier blocks carried upon one of said companion parts, a pair of centering blocks carried by the other of said companion parts and a cutter intermediate said centering blocks.

1,467,502. BREECH-LOADING SPORTING GUN AND THE MANUFACTURE THEREOF. BARON ROSE, Halesowen, England. Filed Oct. 17, 1921. Serial No. 508,064. 4 Claims. (Cl. 42—76.)



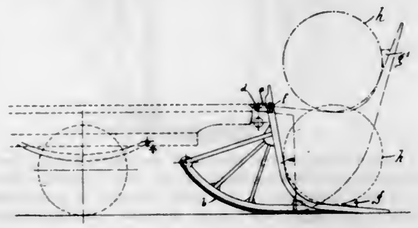
1. The method of enlarging and assembling a breech end and lug which comprises the placing of said parts in adjacent relation and depositing iron or steel thereon by an electric welding electrode to unite said parts and provide an enlargement thereon.

1,467,503. COOLING MECHANISM FOR COMPRESSORS. HERMAN W. ROTTEL, Milwaukee, Wis. Filed Dec. 29, 1919. Serial No. 348,163. 3 Claims. (Cl. 230—6.)



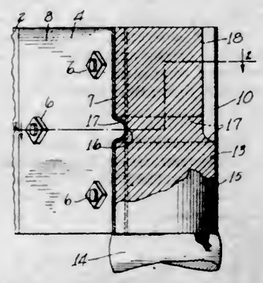
1. In a device of the class described the combination of a crank case, a crank case extension, a non-vertical cylinder therein for compressing gas for refrigeration purposes, a space between the crank case extension and the cylinder forming a gas jacket for the cylinder, a plurality of openings placed one above the other and connecting the crank case and jacket, whereby the returned gas is caused to circulate in the crank case and jacket until the cylinder is cooled to a temperature slightly greater than the gas in the crank case, thereby maintaining said cylinder at an even temperature and one which is slightly greater than that of the gas in the crank case.

1,467,504. APPARATUS FOR THE MECHANICAL HANDLING OF GOODS. LOUIS SABARROS, Bayonne, France. Filed June 12, 1922. Serial No. 567,774. 2 Claims. (Cl. 214—77.)



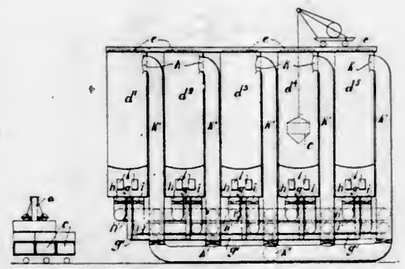
1. A vehicle comprising at the rear, curved extension elements so disposed that their ends may be brought adjacent the ground in tangential position, whereby goods and casks may be engaged and rolled upon the said extension elements, a ground piece having the shape of a circular arc secured to said extension elements, traction means provided upon the periphery of the said ground pieces, and pivoted portions disposed between and loosely connecting the rear end of the vehicle and the said curved extension elements, whereby the motion of the vehicle shall cause the said ground piece to roll upon the ground without sliding and shall raise the goods carried by the said curved elements.

1,467,505. KNOCKDOWN TABLE. WILLIAM SCHWAEGLER, Chicago, Ill. Filed Mar. 13, 1922. Serial No. 543,373. 2 Claims. (Cl. 45—48.)



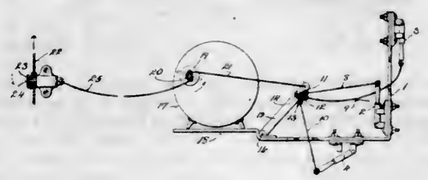
1. In a knock-down table, a top, side members and end members for supporting the top, the adjacent ends of the side members and end members being spaced apart, plates for securing the spaced apart ends in fixed relation with one another, said plates having portions curved to form a cylindrical socket, a table leg having a cylindrical portion arranged to enter said cylindrical socket, and means carried by one of the plates for engaging said leg when the latter is turned in the socket, to lock the leg in position.

1,467,506. METHOD OF COOLING COKE. HERMANN SCHWENKE, Herringen, Germany, assignor of one-half to Zeche de Wendel, Hamm, Westphalia, Germany, a Corporation of Germany. Filed June 24, 1920. Serial No. 391,530. 2 Claims. (Cl. 202—11.)



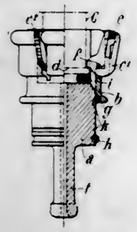
2. The continuous method of cooling coke which consists in arranging hot coke in discrete masses, each mass having a different temperature, passing inert gases therethrough in series in the order of the increasing temperatures prevailing therein, replacing the mass of coke first reaching the desired temperature by fresh hot coke and so altering the path of the inert gases that this fresh coke shall be the last in the series to be treated with the gas, all in a continuous process, the inert gas being made to move in a cyclic path and the heat being extracted from it between its passing out from the hottest coke and its introduction into the coolest mass.

1,467,507. TIME-CONTROLLED SWITCH MECHANISM. OSCAR SCHWENGEL, Port Washington, Wis. Filed May 16, 1921. Serial No. 470,082. 1 Claim. (Cl. 161—1.)



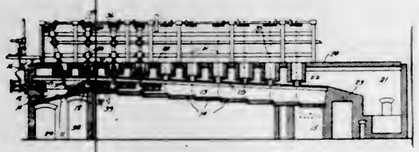
The combination of a roller secured to the axis of the alarm mechanism of a clock, a horizontal support for said clock, a radius bar pivoted on said support, a flexible member secured at one end to said roller and at the other end to the upper end of said radius bar, a vertical knife switch having an upwardly disposed handle, a flexible member secured at one end to said handle and at the other end to said radius bar adjacent the upper end of said radius bar, said flexible members extending adjacent an approximately straight line connecting the upper end of said handle and said roller, a second knife switch, a third flexible member secured at one end to the handle thereof, said third flexible member being secured at the other end adjacent the upper end of said radius bar, whereby on the rotation of said roller, said knife switches are moved, and a fourth flexible member extending from said roller in the opposite direction to said first mentioned flexible member, a latch plunger secured to said fourth flexible member, and a curtain having an eye receiving said latch plunger, the rotation of said roller tensioning said fourth flexible member and removing said latch plunger from said eye.

1,467,508. INSTANTANEOUS PIPE COUPLING. CAMILLE SENG, Romilly-sur-Seine, France, assignor to Society Meurel Freres, Colmar, France. Filed Mar. 23, 1921. Serial No. 454,840. 3 Claims. (Cl. 285—170.) (Granted under the provisions of the act of Mar. 3, 1921, 41 Stat. L., 1313.)



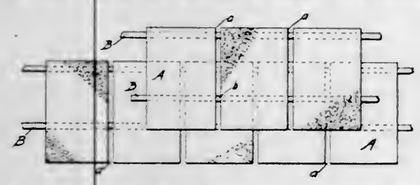
1. In a coupling for pipe lines, the combination with a cylindrical body member one end of which has a bore for receiving a male coupling member, the walls of said bore having a plurality of longitudinally extending slots formed therethrough, a lever pivotally mounted in each of said slots, the outer ends of said levers being slotted and the inner ends each having a hook for engaging the male coupling member, a sleeve slidably mounted on said body member and having slots registering with the slots in said wall, a pin in each of said sleeve slots sliding in the slot of the corresponding lever, and coacting means on said body member and sleeve for holding said sleeve in its retracted position.

1,467,509. FURNACE APPARATUS. LEWIS BAILEY SKINNER, Denver, Colo. Filed Feb. 24, 1920. Serial No. 360,949. 8 Claims. (Cl. 23—1.)



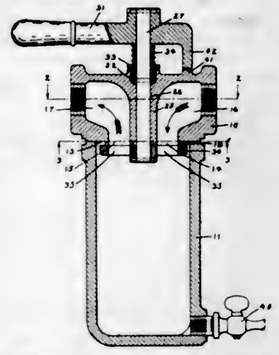
3. Furnace apparatus for the treatment of viscous materials, which comprises a substantially continuous muffle hearth provided substantially throughout its entire length with depressions, stirring means arranged to sweep over and across said depressions, and means arranged to remove material deposited in said depressions.

1,467,510. LAYING COMPOSITION SHINGLES. GEORGE TANDY SMITH, Jr., Paducah, Ky. Filed Apr. 29, 1921. Serial No. 465,525. 4 Claims. (Cl. 108—9.)



1. As a new article of manufacture, a series of individual shingle-like sections of roofing material connected together in slightly separated relation by strips of flexible material secured thereto by an adhesive substance, there being an upper and a lower strip extending longitudinally across the series, the lower strip being located at an intermediate point to adapt it to serve as a "line" for laying the next course of shingles with their lower ends directly over its lower edge.

1,467,511. VALVE. HARRY F. SMITH and THOMAS CURETON, Dayton, Ohio, assignors, by mesne assignments, to The Gas Research Company, Dayton, Ohio, a Corporation of Ohio. Filed Dec. 16, 1920. Serial No. 431,181. 5 Claims. (Cl. 183—39.)



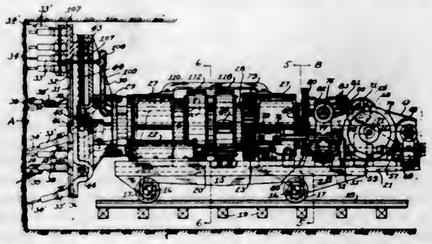
1. In a valve of the character described, a body member having an inlet passage and an outlet passage therein, a trap attached to said body member, a valve member mounted upon said body member and within said trap, and having a passage therethrough, the construction of the valve being such that it may be positioned to connect both the said inlet and the said outlet passages to the said trap at the same time, or to connect the inlet passage alone thereto.

1,467,512. APPARATUS FOR SAVING GAS AND OIL FROM PRODUCING WELLS. ERIC A. STARKE, Berkeley, Calif. Filed Nov. 27, 1922. Serial No. 603,455. 3 Claims. (Cl. 183—75.)



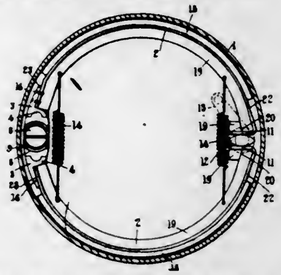
1. An apparatus for the described purpose, comprising a recumbent separating pipe; a supply pipe leading from a source of aggregate under pressure, and fitted tightly through one end of the separating pipe, said supply pipe extending within said separating pipe and being longitudinally slitted in the bottom of its said extending portion; a delivery pipe leading from the upper cross sectional area of said separating pipe for carrying off the gaseous component of the aggregate; and means for discharging the liquid component from the lower cross sectional area of said separating pipe.

1,467,513. MINING MACHINE. GEORGE W. STARR and WILLIAM D. PAYNTER, Grass Valley, Calif. Filed Nov. 30, 1921. Serial No. 518,789. 9 Claims. (Cl. 262—6.)



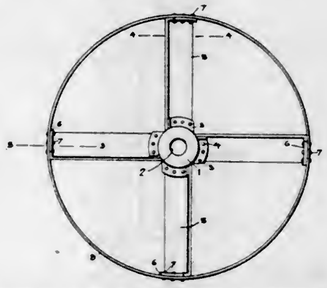
1. A mining machine comprising a rotatable working head; a plurality of independent sets of cutting tools mounted upon the face of the head for movement in independent radial paths; means for operating said tools; and means for carrying each of said sets of tools towards and away from the axis of said head during its rotation.

1,467,514. DRUM BRAKE. RICHARD STEPHENS, RICHARD JOHN STEPHENS, and ARTHUR EWART STEPHENS, Upper Norwood, London, England. Filed Feb. 16, 1921. Serial No. 445,547. 2 Claims. (Cl. 188—78.)



1. A brake shoe for use in drum brakes, comprising a curved member with a central rib on its inner side, said central rib being cut away near one end of the curved member so as to form a central radial bearing surface, whilst the adjacent end of the curved member is bent radially inwards and bears along the centre thereof against the said radial bearing surface, and a bearing member at the other end of the curved member substantially as specified.

1,467,515. PROPELLER. THOMAS B. STEWART, Los Angeles, Calif. Filed Nov. 3, 1921. Serial No. 512,552. 1 Claim. (Cl. 170—168.)

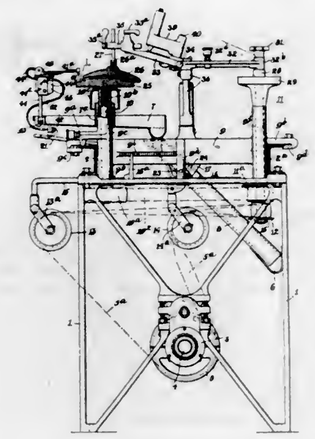


A propeller comprising a hub, a flat annular rim surrounding the hub, a plurality of flat radiating blades connecting the hub and rim and confined wholly within the plane of the side edges of the rim, the blades being of the same width throughout their entire lengths and disposed obliquely to the axis of the hub and having one of their side edges provided with angularly disposed flanges, the leading edges of the rim and blades being sharpened.

1,467,516. PROCESS FOR THE TREATMENT AND LEACHING OF COMPLEX ORES. URLYN C. TAINTON, Kellogg, Idaho. Filed Oct. 13, 1919, Serial No. 330,383. Renewed Nov. 14, 1923. Serial No. 600,988. 4 Claims. (Cl. 75—18.)

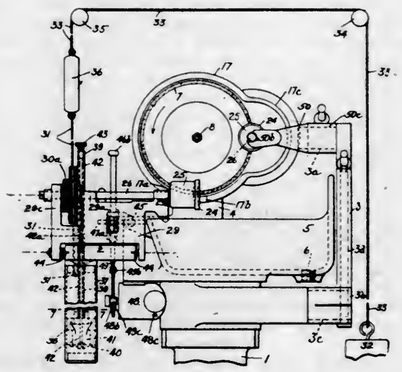
1. A method of treating and leaching complex ores, which consists in separating a roasted ore into two portions, one containing compounds which are difficult to dissolve and the other containing easily soluble compounds, subjecting the difficultly soluble compounds to the leaching action of a strong acid solution and then leaching the easily soluble ore with an acid solution after its strength has been suitably reduced.

1,467,517. POLISHING MACHINE. WILLIAM TAYLOR, Leicester, England. Filed Oct. 11, 1916. Serial No. 125,035. 16 Claims. (Cl. 51—119.)



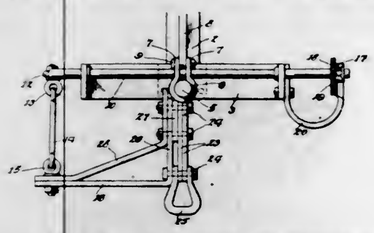
1. In a polishing machine having a work holding member and a polishing member and means for rotating one of said members, means for moving the other of said members in a substantially circular orbit, comprising in combination an arm carrying at one end a device adapted to engage and move said member, means for imparting a circular movement to the other end of said arm, and means for constraining a point of said arm substantially midway between its ends to movement substantially in a plane including the axis of said circular movement and intersecting the member which is rotated.

1,467,518. GRINDING MACHINE. WILLIAM TAYLOR, Leicester, England. Filed Oct. 28, 1916. Serial No. 128,237. 41 Claims. (Cl. 51—132.)



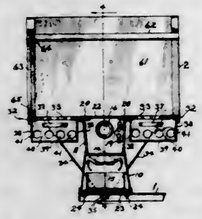
10. In grinding apparatus, the combination of a grinding wheel, a work support, and means for causing a relative traversing movement between the grinding wheel and the work carried by said support, including means for applying a predetermined force tending to effect such movement and a retarding device adjustable for varying the rate of such movement during a grinding operation.

1,467,519. DRAFT COUPLING FOR TRACTORS. HARRY P. TIMM, Bennington, Nebr. Filed Apr. 18, 1922. Serial No. 554,638. 1 Claim. (Cl. 280—33.12.)



In a draft coupling for tractors, the combination of a supporting frame adapted to be secured to a tractor, a king bolt rising through the said frame, a draw bar mounted at its front end upon the king bolt for pivotal movement, a draft member secured to the rear end of the draw bar, a shifting arm secured to and extending laterally from the outer end portion of the draw bar, a rock shaft mounted transversely upon the supporting frame, a crank at one end of the rock shaft, a link connection between the crank and the shifting arm, said connection being pivotally joined to both the crank and the shifting arm and means for setting the rock shaft.

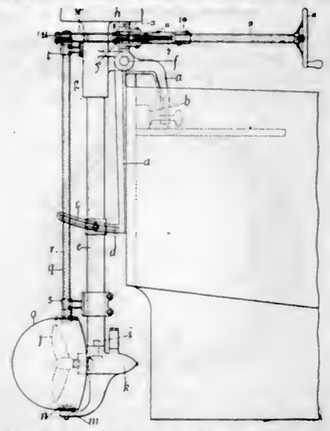
1,467,520. RANGE. JOHN J. TOOMEY, Chicago, Ill. Filed Sept. 23, 1922. Serial No. 589,962. 10 Claims. (Cl. 126—33.)



1. In a cooking range, a base; a duplex-fuel cooking-top section comprising a central fire-box, a sectional open-front burner-box having heating elements therein, a main top and a front frame organized as a unitary construction capable of bodily attachment to either end of the base; an oven-section comprising a body providing oven space and oven-burner space organized as a unitary construction capable of bodily attachment to either end of the base; and means to detachably connect the lower ends of the fire-box and oven-body to the base in interchangeable relation thereon to constitute a right or left oven range.

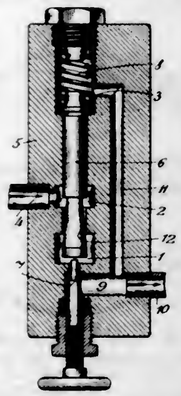
1,467,521. OUTBOARD-MOTOR DRIVING, STEERING, AND REVERSING MECHANISM. JOHNSTON ROBERTSON ALEXANDER, Birkenhead, England, assignor to John George Ahlsebrook Kitchen, Lancaster, England; Gordon Henry Fraser, Liverpool, England, and James Ryder O'Hanlon, Westwold, Liverpool, England. Filed May 4, 1923. Serial No. 636,711. 3 Claims. (Cl. 115—18.)

1. Outboard motor equipment for vessels comprising, in combination, a frame with clamping means thereon, a member pivotally attached to said frame, a column carried by said member and adjustably secured to said frame, an engine upon said member, a casing attached to said column carrying the propeller and propeller shaft, an engine driven shaft through said column rotating said propeller, duplex rudder plates pivotally carried at their lower ends by a bracket from the propeller casing, concentric rudder stocks astern of and supported from said column and secured to the upper ends of said rudder plates, a dummy rudder stock forward of said column and carried by the aforesaid member, a parallel linkage system between said concentric rudder stocks and dummy rudder



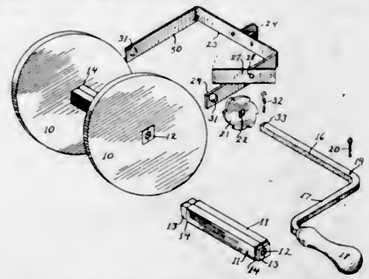
stock, a tiller fulcrumed about said dummy rudder stock, means longitudinally movable upon said tiller, and links connecting said longitudinally movable means to said parallel linkage system, as set forth.

1,467,522. PRESSURE-CONTROL VALVE. ALFRED AMSLER, Rheinbuhl, Switzerland. Filed Mar. 31, 1921. Serial No. 457,480. 5 Claims. (Cl. 137—153.)



1. In a device for automatically maintaining a constant pressure difference between two points of a pressure fluid conduit, in combination, two chambers, one of which is connected to the incoming pressure conduit, a connection between the two chambers and a connection between one of said chambers and the outgoing conduit, a floating piston having equal effective areas at both ends when fluid is passing through said device and adapted to automatically control said connection between said two chambers, the incoming fluid pressure tending to move said piston in one direction and the back pressure existing in the outgoing conduit increased by an additional pressure tending to move said piston in the other direction, the control being so effected that the pressure existing in the chamber connected to the outgoing pressure conduit is always higher than the back pressure in the outgoing conduit by the amount of said additional pressure applied to the controlling piston, whatever be the absolute pressures and the variation thereof.

1,467,523. REEL. ALBERT P. ANDLAUER, Kansas City, Mo. Filed Mar. 30, 1922. Serial No. 548,116. 6 Claims. (Cl. 242—100.)



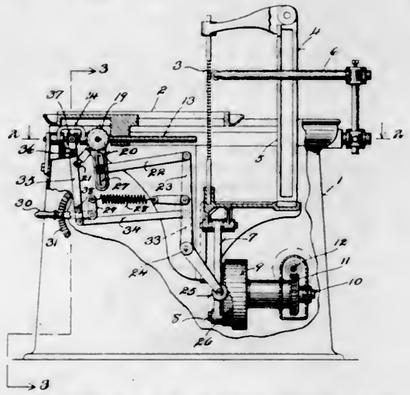
4. A reel of the class described including parallel side members in combination with a hub element comprising two grooved members in contiguous face to face relationship and a square passage through the longitudinal axis of the composite hub element; and a shaft element engaging the sides of said passage and crank means at one end of said shaft for the purposes disclosed.

1,467,524. SAXOPHONE AND CLARINET MOUTHPIECE. JESSE J. BABBITT, Elkhart, Ind. Filed Sept. 5, 1922. Serial No. 586,340. 3 Claims. (Cl. 84—383.)



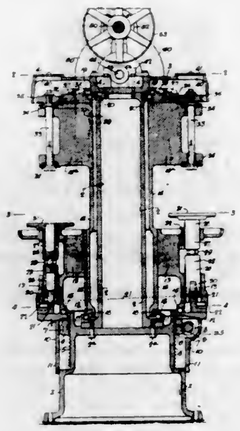
2. A mouthpiece for reed musical instruments comprising a comparatively short cylindrical reinforcing member, and a hard rubber mouthpiece molded around said member and extending beyond it in oposite directions, said mouthpiece being formed with the usual air passage and flattened lay having an opening communicating with said air passage, said reinforcing member being embedded in the mouthpiece at a point between the opening in the lay and the outer end of said mouthpiece.

1,467,525. BROACHING MACHINE. OSCAR H. BANKER, Racine, Wis., assignor to Racine Tool and Machine Company, Racine, Wis. Filed Nov. 25, 1921. Serial No. 517,670. 3 Claims. (Cl. 90—33.)



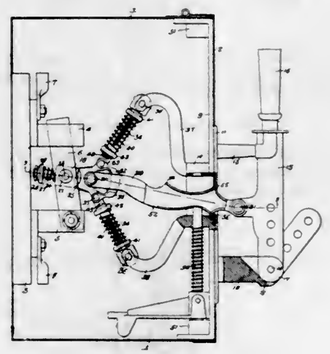
1. In a machine of the character described, a table, a broaching tool, means for reciprocating the latter in a plane at right angles to the table, a screw feed for advancing the table and means for actuating said screw feed step by step in synchronism with the reciprocation of the broaching tool.

1,467,526. DRILLING MACHINE. JOHN WILSON BROWN, Jr., Philadelphia, Pa. Filed July 10, 1920. Serial No. 395,343. 13 Claims. (Cl. 77—23.)



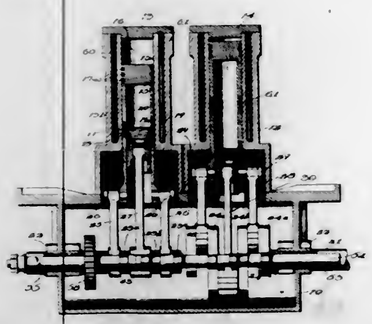
1. The combination in a drilling machine, of a standard; a carrier free to turn around the standard; an adjustable section adapted to turn with the carrier and to slide vertically thereon; table vertically movable in said section; spindles mounted on the upper portion of the carrier; means for slowly rotating the carrier; means for independently driving the spindles; means for raising the tables as the carrier travels around the standard so that the work mounted on the tables can be fed to the drills; and means for adjusting the table-raising means and the table-carrying section.

1,467,527. QUICK-BREAK SWITCH. JAMES F. BURNS, Philadelphia, Pa., assignor to V. V. Fittings Company, Philadelphia, Pa., a Corporation of Pennsylvania. Filed Aug. 8, 1918. Serial No. 248,886. 16 Claims. (Cl. 200—67.)



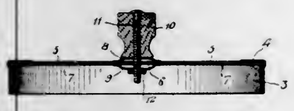
1. The combination of a fixed structure; two spring toggle elements pivoted thereto; an oscillatory intermediate element pivoted to both of said toggle elements; a switch including a reciprocable blade pivotally connected with said intermediate element; a longitudinally movable link and an operating member connected through said link to the intermediate element.

1,467,528. ENGINE. ARTHUR RICHARD CARTER, Gulfport, Miss. Filed Oct. 22, 1920. Serial No. 418,637. 9 Claims. (Cl. 121—100.)



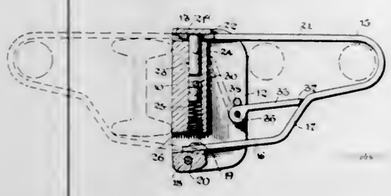
1. In an engine of the character described, a cylinder, a hollow piston reciprocating therein and defining with said cylinder a working chamber, a second piston reciprocable in the hollow piston and defining with said hollow piston a second working chamber, a valve to control the inlet of steam to said first-named working chamber, a valve to control the inlet of steam to said second-named working chamber, and a common valve casing for said valves having a partition forming separate valve chambers for each of said valves, said cylinder having a duct therein leading from one of said valve chambers to said first-named working chamber and said hollow piston having a port in its skirts adapted to periodically establish communication with said second working chamber and the other of said valve chambers.

1,467,529. COVER. ARMIN H. CLARK, Plymouth, Ohio. Filed Apr. 14, 1922. Serial No. 552,690. 14 Claims. (Cl. 215—37.)



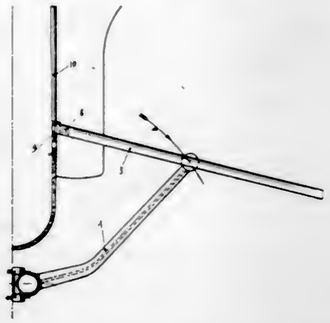
1. A cover comprising a frame, a transparent member disposed in said frame, a stiffening piece extending across said frame, and a handle secured to said piece.

1,467,530. AUTOMOBILE LOCK. SAMUEL BUN CLAYTON, Greensboro, N. C. Filed Sept. 15, 1922. Serial No. 588,412. 5 Claims. (Cl. 70—90.)



4. An automobile lock of the character described including a body portion, a yoke associated with the body portion and a swinging arm adapted to be moved into engagement with the yoke to restrict the internal area thereof.

1,467,531. INTERMEDIATE WIND SCREEN FOR MOTOR CARS. RINO COLOMBINO, Turin, Italy. Filed Aug. 7, 1922. Serial No. 580,181. 5 Claims. (Cl. 296—85.)

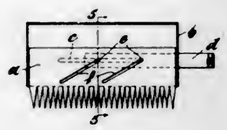


1. A wind shield for motor vehicles, comprising a pivoted support, a screen member pivotally connected to the free end of the support, a fixed guide and means to adjustably connect the screen member to the guide.

1,467,532. MANIFOLDING PLATEN FOR TYPEWRITERS. MALCOLM L. COSSITT, Oakland, Calif., assignor to Manifold Impressions Corporation, Carson City, Nev., a Corporation of Nevada. Filed Aug. 12, 1922. Serial No. 581,478. 39 Claims. (Cl. 197—126.)

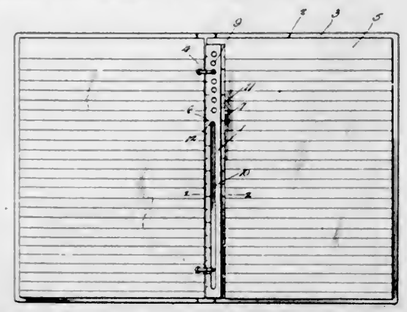
1. A manifolding platen comprising a platen member; a member bearing a copying medium; a pair of arms for carrying said last named member, pivotally mounted to swing about centers in a line passing longitudinally through the platen member; and means operating through said platen member for swinging the arms in unison.

1,467,533. HAIR COMB. BERTIE REGINALD COTTON, Birmingham, England, assignor to Hammond, Turner & Sons, Limited, Birmingham, England. Filed Mar. 29, 1922. Serial No. 547,848. 2 Claims. (Cl. 132—15.)



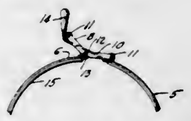
1. A hair comb comprising a casing having longitudinal slots in its side walls, a comb movable in said casing and provided with diagonal slots coincident with the slots of the casing, an operating element for the comb, and pins connecting said element, said casing and said comb and arranged to operate in said slots.

1,467,534. RULER FOR LOOSE-LEAF BOOKS. JERE L. CROOK, Jr., Jackson, Tenn. Filed May 20, 1922. Serial No. 562,443. 2 Claims. (Cl. 129—1.)



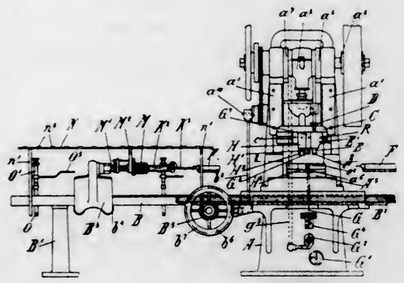
1. A ruler for use in connection with loose leaf books which embody spaced leaf-retaining members, comprising a body having a straight edge, and provided with a longitudinal slot and with an opening spaced from the end of the slot, both to receive the said members.

1,467,535. LAMP WRENCH. LOUIS F. DESPRES, Lebanon, N. H. Filed June 21, 1922. Serial No. 569,772. 3 Claims. (Cl. 81—64.)



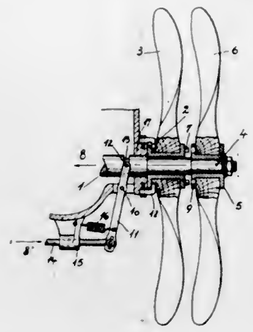
1. A wrench of the character described comprising a resilient strip, a frame pivoted at its middle to one end of the strip, rollers carried by opposite ends of the frame, the end of the strip remote from its point of connection to the frame being provided with a handle, said last named end portion of the strip being adapted to extend through the frame and engage the rollers in spaced relation to the pivotal connection of the frame to the strip.

1,467,536. RIVETING MACHINE. CLAUDE DORNIER, Friedrichshafen, Germany, assignor to the Firm Dornier-Metallbauten, Gesellschaft mit beschränkter Haftung, Friedrichshafen, A. B., Germany. Filed June 28, 1920. Serial No. 392,560. 12 Claims. (Cl. 78—48.)



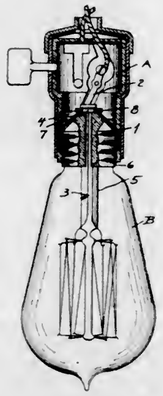
1. In a riveting machine in combination, a tool carrier adapted to reciprocate relatively to the workpiece, means for automatically carrying the workpiece step by step past said tool carrier and a punch, a rivet head forming tool, a rivet inserting tool and a tool for adjusting and clenching the inserted rivet on said tool carrier.

1,467,537. AIR PROPELLER. CLAUDIUS DORNIER, Friedrichshafen, Germany, assignor, by mesne assignments, to the Firm Dornier-Metallbauten, Gesellschaft mit beschränkter Haftung, Friedrichshafen, Germany, and Claudius Dornier, Friedrichshafen, Germany. Filed Mar. 31, 1921. Serial No. 457,544. 3 Claims. (Cl. 170—160.)



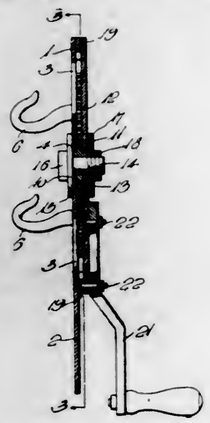
1. Aerial propelling device comprising in combination, a driving shaft capable of axial movement, two propellers spaced apart on said shaft, one in operative, the other in inoperative condition, means serving on said shaft being moved axially, to cause one propeller to close up with the other one and means connected with said propellers for coupling them, after they have closed up.

1,467,538. SAFETY LOCK FOR ELECTRIC BULBS. JAMES WILLIAM DOWARD, Halifax, Nova Scotia, Canada. Filed Sept. 4, 1920. Serial No. 408,281. 1 Claim. (Cl. 173—356.)



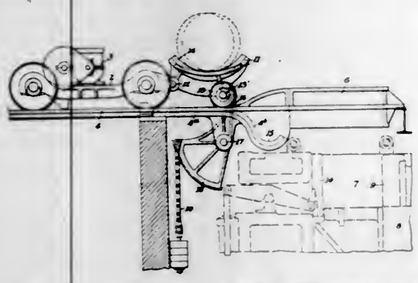
A safety lock for electrical lamps or bulbs comprising in combination a threaded sleeve, spring fingers secured to said sleeve with their free ends offset and extended inward toward the center of the threaded sleeve, combined with a locking fragile flange on the threaded end of a lamp for cooperation with and movement between said fingers, said locking fragile flange being connected to the central contact of the lamp and operable to laterally displace said fingers as the lamp is screwed into the socket said flange being breakable and the central contact broken if the bulb is removed.

1,467,539. STRAND TWISTER. ASA J. DRAPER, Ogden, Utah. Filed Nov. 23, 1922. Serial No. 602,829. 2 Claims. (Cl. 117—9.)



1. A strand twister comprising a flat rigid front plate having a plurality of circumferentially spaced openings, a plurality of twisting hooks having shanks rotatable in said openings, the rear ends of said shanks having flat heads bearing against the rear side of said front plate, flat pinions contacting with said rear side of said front plate and having central openings non-rotatably receiving said heads, a rotatable back plate engaging the rear sides of said pinions and said heads and having an internal gear ring meshing with said pinions, and means rotatably mounting said back plate on said front plate.

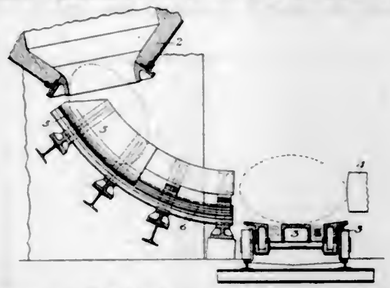
1,467,540. APPARATUS FOR CONVEYING AND HANDLING PUDDLE BALLS. EDWARD L. FORD, Youngstown, Ohio. Filed Mar. 19, 1921. Serial No. 453,802. 5 Claims. (Cl. 214—62.)



1. In apparatus of the character described, a puddle ball conveyor having a cradle shaped to receive an elongated ball crosswise thereof, means associated with the cradle for engaging the under portions of the ball at each side of its minor diameter, and mechanism for tipping said engaging means to effect a rolling discharge of the ball in a path substantially at right angles to its greatest diameter, substantially as described.

1,467,541. MEANS FOR DELIVERING PUDDLE BALLS FROM PUDDLING FURNACES. EDWARD L. FORD, Youngstown, Ohio. Filed Mar. 26, 1921. Serial No. 455,718. 3 Claims. (Cl. 214—18.)

1. The combination with a puddling furnace, and a conveyor device adjacent thereto, of an inclined chute in position to receive an elongated ball from the discharge opening of the puddling furnace, the chute having side portions separated by a distance less than the major

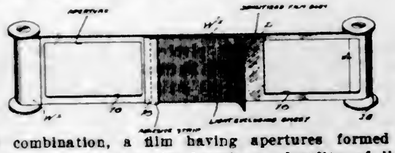


diameter of the ball and arranged to support the ball as it slides in the direction of its longer diameter toward and onto the conveyor device, substantially as described.

1,467,542. METHOD OF PRODUCING PIPE BALLS. JOHN H. HALL, High Bridge, N. J., assignor to Taylor-Wharton Iron and Steel Company, High Bridge, N. J., a Corporation of New Jersey. Filed June 5, 1922. Serial No. 566,105. 3 Claims. (Cl. 148—3.)

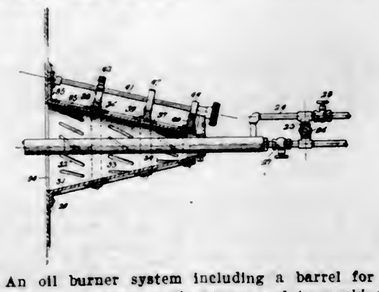
1. The method of producing pipe balls, which consists in casting balls from manganese steel poured at a temperature close to its freezing point, charging the ball into a hot furnace and rapidly elevating the temperature to about 1060° C. and then quenching the balls.

1,467,543. ROLL FILM FOR CAMERAS. WILLIAM DUUS HANSEN, Chicago, Ill. Filed Nov. 30, 1920. Serial No. 427,356. 1 Claim. (Cl. 95—9.)



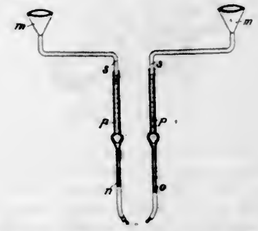
In combination, a film having apertures formed at spaced intervals along its length, a plurality of light excluding sheets, each being substantially co-extensive in width and length with the portion of the film extending between each two adjacent apertures, and strips of adhesive arranged transversely of the film and securing corresponding ends of the light excluding sheets to the same side of said film in such manner that the respective light excluding sheets cover the portions of the film extending between said apertures when the said light excluding sheets are moved in flatwise contiguous relation to the film.

1,467,544. OIL BURNER. WALTER E. HARTMANN, New York, N. Y. Filed Mar. 11, 1921. Serial No. 451,507. 5 Claims. (Cl. 158—75.)



1. An oil burner system including a barrel for conducting oil and steam, a tip at one end to combine the oil and steam, a supporting means for the barrel having a series of air inlets, and means for successively varying the size of said inlets.

1,467,545. METHOD AND MEANS FOR DETERMINING THE DIRECTION OF SOUNDS. ERICH MORITZ VON HORNBOSTEL, Steglitz, near Berlin, and MAX WERTHEIMER, Berlin, Germany. Filed Mar. 8, 1920. Serial No. 364,345. 8 Claims. (Cl. 181—26.) (Granted under the provisions of the act of Mar. 3, 1921, 41 Stat. L., 1313.)

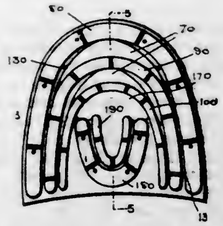


5. Means for determining the direction of sound which comprises two fixed receivers spaced apart, and separate means for connecting each receiver with an ear of the observer, at least one of said connecting means being adjustable with relation to the other whereby the relative paths of travel of the sound from the receivers to the ears of the observer may be varied.

1,467,546. METHOD OF MELTING FERROMANGANESE. RICHARD D. JORDAN, High Bridge, N. J., assignor to Taylor-Wharton Iron and Steel Company, High Bridge, N. J., a Corporation of New Jersey. Filed June 2, 1922. Serial No. 565,436. 8 Claims. (Cl. 75—27.)

1. The method of reducing the loss of ferro-manganese in the cupola melting of ferro-manganese, which consists in conducting the melting under conditions tending to small slag volume and with a slag forming material including limestone of a predetermined high degree of purity.

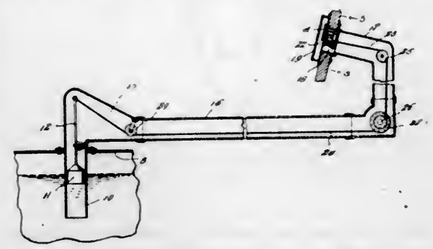
1,467,547. RUBBER HEEL. LOUIS KAPLAN, New York, N. Y. Filed Sept. 6, 1921. Serial No. 498,631. 5 Claims. (Cl. 36—59.)



1. A heel of rubber or other resilient material having at the central portion of its tread surface a relatively deep cup of comparatively large area, and ribs protruding from said surface and substantially surrounding said cup, said ribs being located one within the other between said cup and margin of the wheel, and said ribs decreasing in height from the outer rib to the inner one toward said cup.

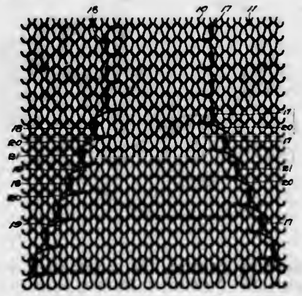
1,467,548. LIQUID-LEVEL INDICATOR. WILLIAM M. LAWRENCE, Coeburn, Va. Filed Mar. 18, 1922. Serial No. 544,721. 1 Claim. (Cl. 73—82.)

A gasolene indicator for automobiles comprising a gasolene tank, a well therein, a float movable vertically in the well and having an upwardly extending rod, a bail-shaped bracket in the well and supporting a pulley thereon, the said rod extending between the pulley and adjacent side of the bracket, a housing portion arranged over said rod, a housing extending forwardly and upwardly from said housing portion, a dial, a pointer movable adjacent to the dial, a spindle carrying said pointer and



arranged in the housing, a spring to turn said spindle in one direction, a pulley on the spindle, a differential pulley mounted in the housing, a cable operatively connecting one member of the differential pulley and the first-named pulley, and a second cable operatively connecting the other member of the differential pulley and the float rod.

1,467,549. METHOD OF MAKING STOCKINGS. ROBERT H. LAWSON, Central Falls, R. I., assignor to Hemphill Company, Central Falls, R. I., a Corporation of Massachusetts. Original application filed Jan. 15, 1923, Serial No. 612,585. Divided and this application filed May 12, 1923. Serial No. 638,521. 14 Claims. (Cl. 66—4.)

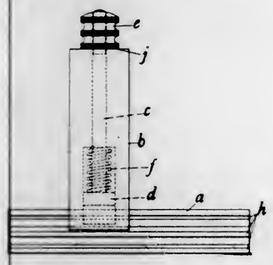


1. That method of knitting upon a circular series of needles a tubular stocking having a markedly narrow, split work stripe along the median back line of the leg comprising introducing one yarn to a group of the non-fashioning heel needles only, introducing another yarn to all the remaining needles of the said circle of needles and including the instep needles and the fashioning heel needles of the second group, simultaneously knitting with said yarns respectively upon both groups of said needles by reciprocating knitting, and in so doing interconnecting said two yarns by suture seams, thereby forming split work; and during the forming of the lower part of said stripe persistently transferring the fashioning heel needles from the larger to the smaller group, and in so doing causing at least one of said suture seams to cross wales of the fabric.

1,467,550. ADJUSTABLE SQUARE. PERCY VICTOR LORD, Bexley, England. Filed Jan. 17, 1921. Serial No. 437,986. 10 Claims. (Cl. 33—103.) (Granted under the provisions of the act of Mar. 3, 1921, 41 Stat. L., 1313.)

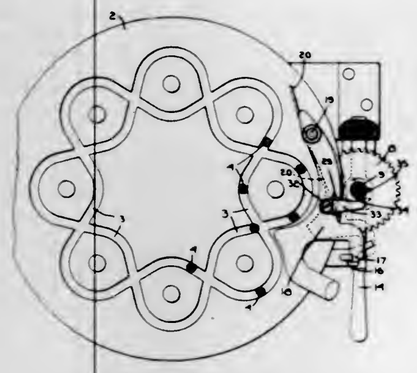
1. In an adjustable square, a stock, a blade having the shape of an equilateral polygon in cross section provided

with a groove in each of its side faces, and means selectively engageable with any two of the grooves in the



adjacent side faces and coacting therewith to adjustably clamp the blade in position upon the stock.

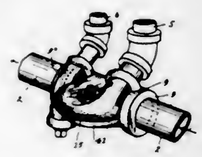
1,467,551. STOP MOTION FOR BRAIDING MACHINES. FRANK W. MANSFIELD, Canton, Mass. Filed May 27, 1922. Serial No. 564,058. 2 Claims. (Cl. 96—19.)



1. In a braiding machine, the combination with braiding mechanism for forming a braided product having a predetermined transverse dimension, of a driving shaft for operating the machine, said shaft having a projection, a driving pulley slidably mounted on the shaft and adapted by its sliding movement to be clutched to or unclutched from the shaft, a latch for holding the pulley in clutched relation to the shaft, a knockoff lever to retain the latch in its operative position, a dog carried by the knock-off lever and normally situated out of the path of movement of said projection, and means to move the dog into such path of movement when a defect is formed in the product, whereby the projection on the shaft engages the dog and thus shifts the knock-off lever to release the latch.

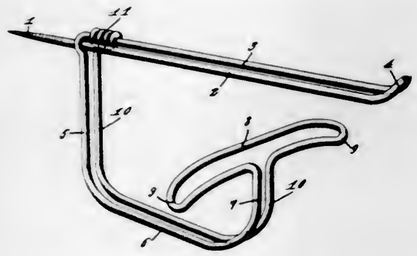
1,467,552. MEANS FOR DEAERATING RADIATORS OF HEATING SYSTEMS. JOHN MEINKEN, St. Paul, Minn. Filed July 27, 1921. Serial No. 487,958. 3 Claims. (Cl. 183—79.)

1. In a device of the class described, a main passage adapted to form a part of a main pipe line for conducting a moving column of steam therethrough under a normal pressure, a branch passage being in open communication with the top of the main passage in a manner to receive a portion of the column of steam, and leading in a curve around a central area and being in close and open communication with said area to form a partial vacuum in the latter by the motion of the specified part of the column of steam to effect a reduction in pressure in said area relative to the normal pressure in the main passage, a third passage, tapping said branch passage at a point intermediate its ends, and leading to a level below



said branch passage and having a discharge opening in the main passage arranged to discharge in the direction of flow of the main column of steam to thereby create a suction action in said third passage, and an inlet passage in open communication with said central area to be influenced by the reduced pressure in the latter, and discharging into said third passage to be influenced by the suction in the latter.

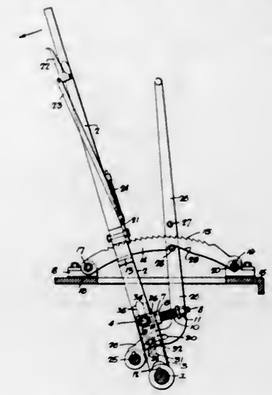
1,467,553. CLOTHES HOOK. SIMEON P. MISTHOT, Galveston, Tex. Filed May 19, 1922. Serial No. 562,111. 1 Claim. (Cl. 248—27.)



A clothes hook formed in a single length of wire bent to form an elongated loop having straight parallel arms, a support engaging screw formed by one end of one of the arms, a depending portion extending over and downwardly from the screw-carrying arm and merging into a forwardly extending portion upturned at one end and merging into the lower portion of a laterally extended loop, and a member integral with and extending from the bottom portion of said loop and parallel with the depending arm and its forward extension, said member having a terminal coil engaging that arm of the elongated loop from which the depending arm extends, the screw-carrying arm being extended between the depending arm and that portion parallel therewith and constituting a support for a load carried by both the depending arm and the member parallel therewith, the said coil constituting means for spacing the side portions of the elongated loop.

1,467,554. INTERLOCKING DEVICE. ROSCOE MOORE, Wilkes-Barre, Pa., assignor to Vulcan Iron Works, Wilkes-Barre, Pa., a Corporation of Pennsylvania. Filed Oct. 12, 1920. Serial No. 416,339. 11 Claims. (Cl. 74—39.)

1. In an interlocking device, the combination of a lever, a member movable with respect to said lever, resilient means tending to retain said member in a definite normal position relative to the lever, a second lever, and



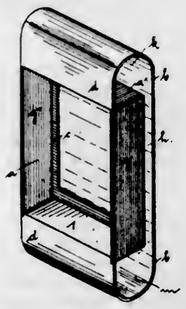
means connecting said levers whereby movement of said second lever depends upon the displacement first of said member from the said normal position.

1,467,555. TOOL BOX FOR MOTOR VEHICLES. ULYSSES S. MOORE, Lomax, Ill. Filed Apr. 15, 1922. Serial No. 553,182. 2 Claims. (Cl. 296—37.)



1. The combination with a fender and an apron for attaching the same to a frame of a vehicle; of a tool box secured to the under side of said apron, the latter provided with an opening whereby access to the tool box may be had, a door hingedly mounted on the upper face of said apron for covering said opening, and means associated with said apron and said door for preventing the rattling of said door when the vehicle is in motion.

1,467,556. CAMERA CASE. AUGUST NAGEL, Stuttgart, Germany. Filed Oct. 8, 1920. Serial No. 415,692. 4 Claims. (Cl. 95—32.) (Granted under the provisions of the act of Mar. 3, 1921, 41 Stat. L., 1313.)



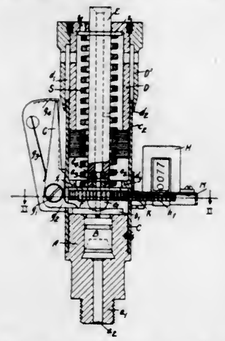
1. In a roll film folding camera in combination, an inner casing and an outer casing, excepting the covers of said outer casing, made all in one piece.

1,467,557. NONPUNCTURING AIR CHAMBER. HENRI NICOLARDOT, Boulogne-sur-Seine, France. Filed Jan. 12, 1922. Serial No. 528,741. 2 Claims. (Cl. 152—13.)



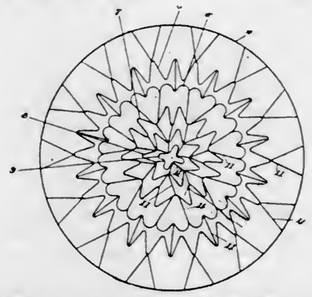
2. A pneumatic tire tube comprising an annular layer of elastic material which is maintained in a permanent state of compression, an inextensible annular layer of fabric enclosing said elastic material, a layer interposed between said elastic layer and said fabric layer, the compression of said elastic layer being uniform at all points on the internal periphery of said fabric so that the tube retains its form independently of the casing in which it is placed.

1,467,558. PRESSURE INDICATOR FOR INTERNAL-COMBUSTION ENGINES AND THE LIKE. JOHN OKILL, Rock Ferry, England. Filed Apr. 5, 1920. Serial No. 371,473. 5 Claims. (Cl. 33—166.)



1. In a gauge the combination of a casing, a sleeve screw threaded into connection therewith to have movement axially of said casing when turned, a piston at the other end of the casing, a spring exerting pressure upon the piston, the force of which is regulated by adjusting the sleeve, a gear rotated with the sleeve and a counter operated from the gear, the said piston receiving pressure from the fluid to be measured, in opposition to the spring pressure.

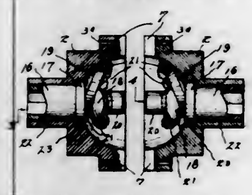
1,467,559. HAIR NET. CHESTER R. PIEPER, La Crosse, Wis. Filed Mar. 8, 1922. Serial No. 541,983. 2 Claims. (Cl. 132—49.)



1. A hair net of the character described comprising a plurality of convoluted endless strands disposed concentric to one another and connected one to another by integral strands when said hair net is disposed in a flat

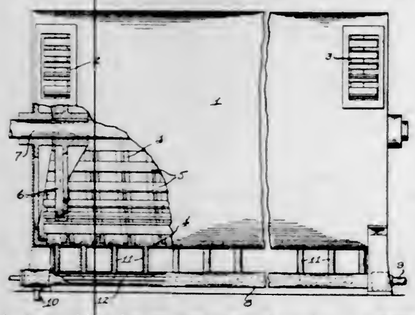
plane, said convoluted strands arranged to be straightened to cause said hair net to assume the shape of an irregular hemisphere, said convoluted strands and said connecting strands being composed of a cellulous substance.

1,467,560. DIFFERENTIAL MECHANISM. FERDINAND W. SEECK, Lebanon, Oreg. Filed Apr. 13, 1922. Serial No. 552,102. 22 Claims. (Cl. 74—7.)



1. In a differential mechanism of the character described, the combination of a driven case, axle sections journaled in each side of the case and carrying part of the elements of the differential mechanism, a member fixed transversely and centrally in the case, normal with the latter's axis of rotation, transmission members with connections between them, the inner ends of said axle sections journalling in said fixed member.

1,467,561. MACHINE FOR TREATING CANNED GOODS. ALBERT R. THOMPSON, San Jose, Calif., assignor to Anderson-Barngrover Mfg. Co., San Jose, Calif., a Corporation of California. Filed Aug. 18, 1922. Serial No. 582,622. 2 Claims. (Cl. 126—272.)

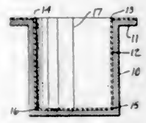


1. A machine for treating canned goods comprising a receptacle circular in cross section and having a can inlet and a can exit; a fixed helically directed rail secured to the receptacle wall and lying against the inner surface thereof, said rail forming one member of a can track through which the cans are advanced through the receptacle; a rotatable annular series of spaced rails within the fixed helically directed rail, parallel with its axis and forming the other member of said can track; a header pipe outside of and longitudinally underlying the receptacle; a plurality of drain pipes leading from the header pipe and opening into the receptacle between the coils of the helically directed rail therein, and means for introducing to the receptacle a temperature controlling medium through said header pipe and drain pipes.

1,467,562. ELECTRICAL HEATING ELEMENT. PERCY A. E. ARMSTRONG, Loudonville, N. Y. Filed Dec. 13, 1919. Serial No. 344,737. Renewed Nov. 24, 1922. 3 Claims. (Cl. 75—1.)

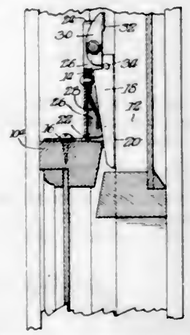
1. An electrical heating element made of alloy steel containing chromium about 3% to about 30%, silicon about .5% to about 5%, aluminum about .4% to about 4%, carbon about .05% to about 1.5%, and the principal portion of the remainder iron.

1,467,563. CORROSION AND HEAT RESISTING APPARATUS. PERCY A. E. ARMSTRONG, Londonville, N. Y. Filed Jan. 5, 1922. Serial No. 527,226. 12 Claims. (Cl. 263—48.)



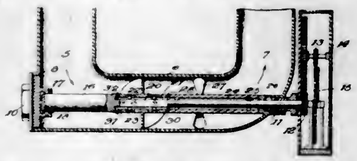
1. Heat or corrosion resisting apparatus comprising a laminated structure having one layer of non-corrosive material and another layer of cast metal cast into the form of the apparatus.

1,467,564. AUTOMATIC WINDOW LOCK. WILLIAM E. BECK, Dolton, Ill. Filed Sept. 13, 1922. Serial No. 587,933. 5 Claims. (Cl. 292—342.)



2. In mechanism of the class described in combination with two window sashes adapted for movement parallel to each other, a member rigid on one sash extending parallel to the other sash, a wholly disconnected removable wedge insertable between the rigid member and second sash, and selectively operable means for temporarily supporting the wedge to move in unison with the rigid member.

1,467,565. FLUID METER. ROBERT S. BLAIR, Stamford, Conn. Filed Dec. 5, 1917, Serial No. 205,659. Renewed Feb. 15, 1923. 13 Claims. (Cl. 73—167.)

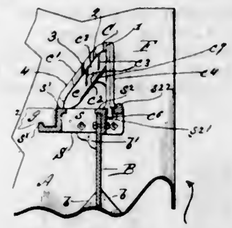


1. In meter construction, in combination, a member exposed to fluid current and driven thereby, means mounting said member to permit direct movement thereof substantially in the direction of flow of the current, a source of power, and means adapted operatively to connect said member with said source of power on its movement in the direction of the flow of current.

1,467,566. FURNACE BRIDGE WALL. WALLACE W. BOOTH, Brooklyn, N. Y. Filed Dec. 16, 1921. Serial No. 522,768. 1 Claim. (Cl. 110—75.)

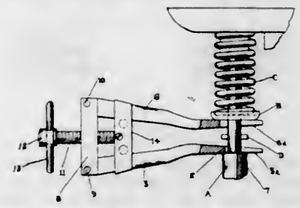
A furnace bridge wall of the character designated, comprising a base partition, a shelf mounted thereon and formed with parallel bearing surfaces with air passages therebetween, and with a frontal ledge for the support of the rear ends of the grate bars, said shelf being also formed with a flangeless longitudinal rear lock slot

open and of uniform width from one end of the shelf to the other, and with a back rest parallel thereto, and a plurality of independently demountable bridge top sections having overlapping vertical side flanges, and with face flanges having coincidental edge recesses, each section having a central web of less thickness than the width of



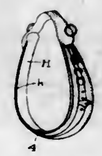
its face flange, with baffle flanges on each side of said web, and deflector flanges therebelow, each section having a rear leg member formed with heel shoulders contacting with said shelf, and with a toe extending through said lock slot in said shelf, substantially in the manner and for the purpose set forth.

1,467,567. VALVE-SPRING-MANIPULATING DEVICE. GEORGE W. CARY, Greenfield, Mass., assignor to Goodell Manufacturing Company, Greenfield, Mass., a Corporation of Massachusetts. Filed June 28, 1919. Serial No. 307,493. 1 Claim. (Cl. 29—86.3.)



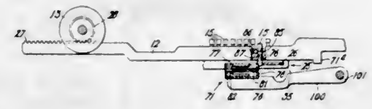
A valve spring manipulating tool consisting of companion jaw members pivotally connected together with the reposing faces disposed in converging relation to each other, a bar having end slots slidably receiving the members and provided with a socket having a ball therein, a screw having a terminal ball disposed in the socket and provided with a groove, a retaining element extending through the bar into the groove of the screw to maintain tthe balls in bearing relation to each other and the screw rotatably connected to the bar against a longitudinal disengagement and a nut associated with the arms in which the screw extends.

1,467,568. METAL HORSE-COLLAR FRAMEWORK FORMING A TUBE. PIERRE CLAVIER, Tarbes, France. Filed July 1, 1921. Serial No. 481,896. 3 Claims. (Cl. 54—25.)



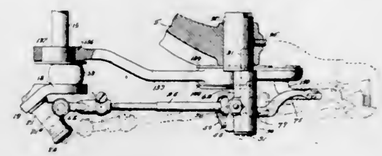
1. In a horse collar, a metal frame around the marginal edge thereof, said frame being composed of two symmetric curved and hollow sections each open on its inner face to form a slot, the edges along said slot being extended and adapted to be compressed to retain the frame in position and an outer member adapted to be mounted around the junction of the said two members to join the latter together.

1,467,569. COMBINED TYPEWRITING AND COMPUTING MACHINE. FREDERICK U. CONARD, Brooklyn, N. Y., assignor to Underwood Computing Machine Company, New York, N. Y., a Corporation of New York. Filed Mar. 24, 1921. Serial No. 455,205. 30 Claims. (Cl. 235—60.)



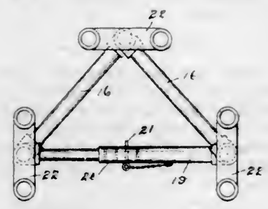
1. The combination with a register having denominationally-arranged reciprocating computing elements, of settable indexing devices on each computing element, means to actuate said reciprocating computing elements through various distances, and normally effective means to co-operate with the indexing devices to arrest the computing elements in their operated positions, the arresting means being settable to ineffective condition to permit further advance of a computing element after such arrest.

1,467,570. BLINDSTITCH SEWING MACHINE. CHARLES A. DEARBORN, New York, N. Y. Filed May 17, 1921. Serial No. 470,285. 3 Claims. (Cl. 112—176.)



1. In a sewing machine, the combination of a machine frame, a bearing pin projecting laterally from said frame, a rocker arm having an elongated bearing journalled upon said pin and a yoke depending from said bearing, a looper having a universal joint bearing in said depending yoke, and a feed bar mounted upon the machine frame between the frame and said depending yoke, said yoke being cut away on its inner edge to permit the close association of the looper and feed bar substantially set forth.

1,467,571. TRUCK. JOHN B. DES ROSIERS, Providence, R. I. Filed Apr. 10, 1920. Serial No. 372,737. 1 Claim. (Cl. 280—44.)



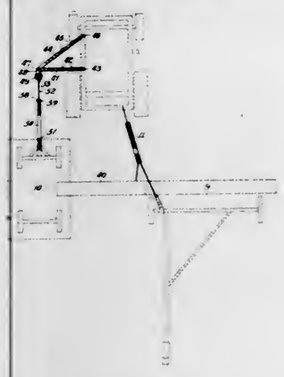
A truck comprising a plurality of standards, each standard being provided on its upper end with a load engaging and supporting member and on their lower ends with casters, a frame consisting of a plurality of spacing arms pivotally connected to each standard and maintaining the standards in spaced triangular arrangement and vertical relation, said arms being arranged in superposed relations on the standards, one of said arms being adapted to be disconnected from its respective standards, whereby the truck may be collapsed and said arms moved in substantially vertical alinement.

1,467,572. BUTTON FASTENER. BRUCE BYRON DEVLIN, Chicago, Ill. Filed May 1, 1922. Serial No. 557,648. 4 Claims. (Cl. 24—206.)



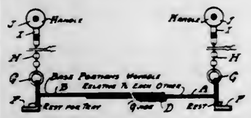
1. The combination of a pair of members provided with a button-hole and a button respectively, of a socket attached to one member and having an elongated guideway therein in which the button is slidably held, and means to automatically lock the button when it is manually shifted in the socket to draw the members together.

1,467,573. DRAFT CONNECTION FOR TRACTORS. WILLIAM A. ENGELHARDT, Oakley, Kans. Original application filed June 28, 1917, Serial No. 177,487. Divided and this application filed Oct. 9, 1918. Serial No. 257,490. 4 Claims. (Cl. 280—33.44.)



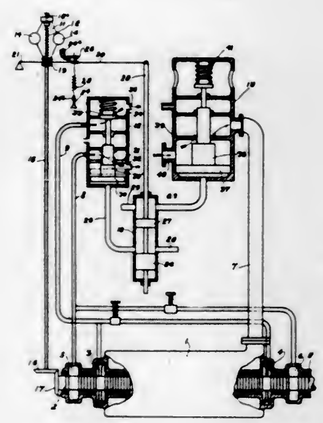
1. In a draft connection for a barge, the combination of a draft bar, means for connecting the front end of the bar to a tractor, means for detachably connecting the bar to the double tree pin of the ordinary draft tongue of the barge, said bar having its front end substantially aligned with the tongue to exert a direct pull thereon, and means for securing the bar so it will be laterally rigid with the tongue.

1,467,574. TRAY FOR USE IN CONJUNCTION WITH THE CHEMICAL CLEANSING OF SILVER. RAOUL ALFRED FARALLA, New York, N. Y., assignor, by mesne assignments, of one-half to Carl Kraft and one-half to Oscar Mautner, both of New York, N. Y. Filed Apr. 11, 1922. Serial No. 551,690. 3 Claims. (Cl. 204—7.)



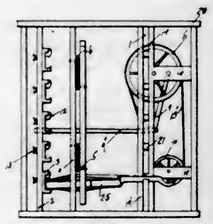
1. A combination supportive tray and electrolyte terminal, for use in the electro-chemical cleansing of silver, which tray is composed of a main base consisting of two parts, movable relative to each other and of limited travel, which main base has two side supporting walls for securely retaining the contents of the tray and for increasing the resistance of the main base to bending, the corners of said main base being so bent as to elevate the main base plane above the resting plane of the tray.

1,467,575. GOVERNING AND GLAND APPARATUS. WARREN B. FLANDERS, Essington, Pa., assignor to Westinghouse Electric and Manufacturing Company, a Corporation of Pennsylvania. Filed Apr. 10, 1920. Serial No. 372,974. 20 Claims. (Cl. 137—153.)



1. A machine comprising a casing, a rotor, sets of packing glands between the casing and the rotor, means for supplying elastic fluid to one set of glands while the rotor is rotating at low speeds, and means for supplying liquid to the other set of glands when the rotor rotates at higher speeds.

1,467,576. MACHINE FOR THE PURPOSE OF BREAKING IN OR SEASONING VIOLINS. MARTINUS H. FLYDAL, Hartford, Conn. Filed Aug. 9, 1920. Serial No. 402,465. 2 Claims. (Cl. 84—11.)



2. The combination of two standards having means for removably supporting the bases and the necks of a series of stringed musical instruments, a frame through which the instruments extend, a number having a series of bowing strings, and power operated means for vibrating the said number, so that the bowing strings can play upon the strings of the musical instruments.

1,467,577. BATTERY-CELL CONTAINER. ALVIN I. FOLSOM, Dallas, Tex., assignor to French Battery and Carbon Company, Madison, Wis., a Corporation of Wisconsin. Filed Nov. 10, 1921. Serial No. 514,159. 7 Claims. (Cl. 206—46.)



1. In battery cell containers, a plurality of cylindrical tubes, said tubes being arranged end to end in a longitudinal series, and flexible connectors connecting the tubes and adapted to be folded upon themselves, whereby the tubes may be arranged in a row transversely of themselves.

1,467,578. CLOSURE FOR CONTAINERS. MARIO GIANINI, New York, N. Y. Filed Oct. 11, 1922. Serial No. 593,700. 6 Claims. (Cl. 215—4.)



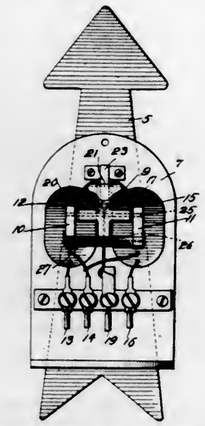
1. In closures for containers of the characters designated, a jar formed with a plurality of spaced-apart inturned retaining shoulders in the mouth thereof, and an auxiliary closure disc fitting within the mouth of the jar and formed with a plurality of peripheral notches cooperating with said shoulders, substantially in the manner and for the purpose set forth.

1,467,579. ANTISKID DEVICE. HENRY C. GRAYBILL, Altoona, Pa. Filed Oct. 1, 1920. Serial No. 413,954. 1 Claim. (Cl. 152—2.)



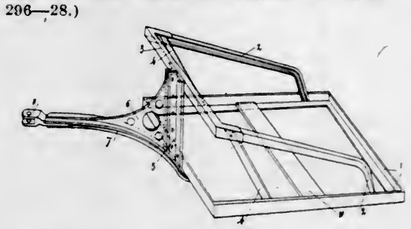
An anti-skid unit for vehicle wheels, including in combination with the wheel felly, inner and outer chain attaching plates of a length corresponding to substantially the arc between two adjacent spokes and positioned at opposite sides of the felly, one of said plates having long hooks at opposite ends thereof, and the other plate having short hooks providing chain seats and having openings to receive cotter-keys for holding the chains in the seats, a bolt passing through the felly and clamping the plates thereto, and tread chains having the end rings thereof engaging with the long hooks and the short hooks of the opposite attaching plates.

1,467,580. AUTOMOBILE SIGNAL. CHARLES L. HYDE, Plainfield, N. J. Filed Apr. 23, 1921. Serial No. 463,778. 7 Claims. (Cl. 177—329.)



1. An automobile signal having, in combination, a normally upright pointer, pointer operating means including a magnet and an armature, and means for locking the pointer in normal position comprising a part adapted to engage the armature and having a part adapted to be actuated by the magnet to disengage the first part from the armature.

1,467,581. TRAILER FOR AUTOMOBILE VEHICLES. JEAN HENRY LABOURDETTE, Courbevoie, France. Filed June 17, 1920. Serial No. 389,645. 9 Claims. (Cl. 296—28.)

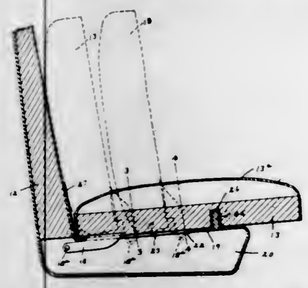


1. A trailer for attachment to the rear of vehicles, comprising a chassis frame, an auxiliary U-shaped frame having the free ends of its arms connected to the chassis frame adjacent the rear end of the latter and having its cross arm disposed above and in spaced relation to the forward end of the chassis frame, coupling means rigidly connecting the forward ends of the frames and having an extension by which the trailer may be coupled to a vehicle, and a casing carried by said frames.

1,467,582. CAR SEAT. EDWARD C. LANG, Melrose, Mass., assignor to Heywood-Wakefield Company, Wakefield, Mass., a Corporation of Massachusetts. Filed Aug. 12, 1921. Serial No. 491,677. 4 Claims. (Cl. 155—115.)

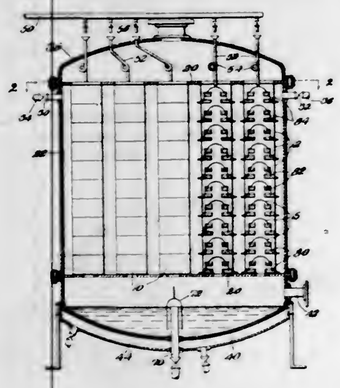
1. A seat having, in combination, a pair of rests having upwardly facing upper surfaces forming seats for a movable seat section, and downwardly facing lower

surfaces; supporting means for said rests forming open spaces below said lower surfaces, said rests having longitudinal slots provided with end enlargements; a movable seat section; angular brackets fixed to the bottom of the seat section and including inner portions perpendicular to said bottom, arms extended from said inner



portions substantially parallel with said bottom, and transverse lugs on the rear ends of said arms, adapted to register with said enlargements and to be slidably engaged in said spaces with the lower surfaces of the rests, said brackets being removable from said slots only when the lugs are in a predetermined position below said enlargement.

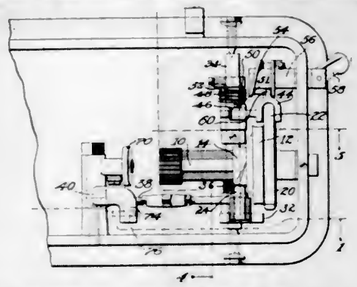
1,467,583. APPARATUS FOR THE MANUFACTURE OF ETHER. FRANK E. LICHTENTHAELER, Newton Highlands, Mass. Filed May 28, 1921. Serial No. 473,431. 4 Claims. (Cl. 260—173.)



1. An apparatus of the character described having, in combination, a plurality of conduits, means for supplying a liquid to one end thereof, means for retarding the flow of liquid through the conduits, means for supplying vapor to the second end of the conduits, and a pressure jacket surrounding all of the conduits for containing a heating medium to maintain the liquid and vapor within the conduits at reaction temperature.

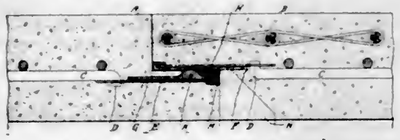
1,467,584. DRIVING AND STOPPING MECHANISM. BERNARD T. LEVEQUE, Wenham, Mass., assignor, by mesne assignments, to United Shoe Machinery Corporation, Paterson, N. J., a Corporation of New Jersey. Filed Nov. 12, 1917. Serial No. 201,542. 9 Claims. (Cl. 192—149.)

1. Driving and stopping mechanism having, in combination, power shifting devices, stopping devices, a yielding connection between the said devices for causing them to normally operate in unison and arranged to



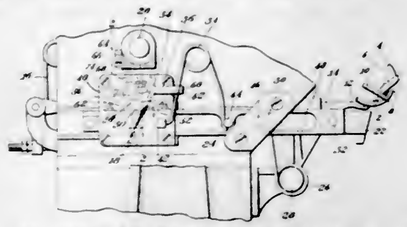
permit independent movement of either out of active position when the normal accompanying movement of the other is prevented.

1,467,585. JOINT FOR CONCRETE PRESSURE PIPES. JOHN C. MITCHELL, East Orange, N. J., assignor to Lock Joint Pipe Company, Ampere, N. J., a Corporation of New Jersey. Filed Apr. 18, 1922. Serial No. 554,505. 8 Claims. (Cl. 72—53.)



1. A joint for concrete pressure pipes comprising in combination, metal cylinders integrally molded into the ends of abutting sections, and of diameters which permit the cylinders of two abutting sections to telescope, non-corrosive coatings or coverings of relatively soft material over the opposing surfaces of said cylinders, and a ridge or raised portion on one of said coatings of such relative diameter as to be sheared in passing over the other when the ends of two sections are forced together.

1,467,586. INSEAM SHOE-SEWING MACHINE. WILLIAM CRISTVON MEYER, Beverly, Mass., assignor to United Shoe Machinery Company, Paterson, N. J., a Corporation of New Jersey. Filed June 27, 1919. Serial No. 307,127. 6 Claims. (Cl. 112—39.)

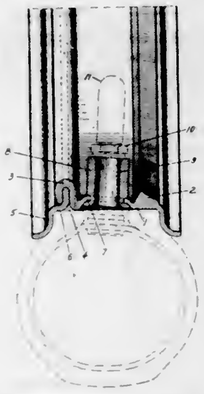


1. An inseam shoe sewing machine having, in combination, stitch forming devices including a curved hook needle, a forwardly and rearwardly movable slide, a shoe support mounted to move with the slide, means for moving the slide longitudinally and means for locking the slide from forward or rearward movement during each cycle of operations comprising two locking rolls for engaging the slide, a locking member having oppositely inclined faces arranged respectively to engage the rolls simultaneously, and means operating to press said member toward the rolls and to release the same during each cycle.

1,467,587. COCOA BUTTER AND METHOD OF RECOVERING SAME. THOMAS J. NEILAN, Newark, N. J., and GEORGE W. ZOBANAKY, Elmhurst, N. Y., assignors to Cocoa Products Company of America Incorporated, Long Island City, N. Y., a Corporation of Delaware. Filed Dec. 28, 1920. Serial No. 433,661. 8 Claims. (Cl. 87—6.)

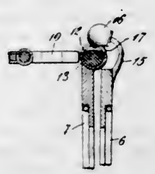
6. A method of treating material for the recovery of cocoa butter contained therein, which comprises mixing a limited proportion of cocoa butter sufficient only to form a batter with the material, digesting the mass, grinding the digested mass, completing digestion of the mass, and separating the cocoa butter from the liquid product.

1,467,588. WHEEL RIM. SYDNEY I. PRESCOTT, New York, N. Y., and FRANCIS J. RUMMLER, Lyndhurst, N. J. Filed Dec. 12, 1919. Serial No. 344,283. 3 Claims. (Cl. 152—21.)



1. A continuous wheel rim provided with a relatively immovable inwardly projecting rim driving sleeve adapted to engage the wall of a suitable rim driving aperture in a wheel body on which the rim is mounted and to enclose a tire valve stem and to form a seat for its cap.

1,467,589. BAG CLASP. THOMAS HENRY RAMMEL, Plainville, Mass., assignor to Whiting & Davis Company, a Corporation of Massachusetts. Filed Feb. 7, 1922. Serial No. 534,691. 7 Claims. (Cl. 190—55.)

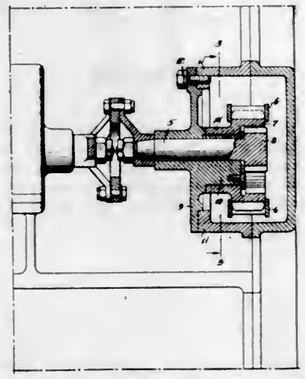


1. A bag frame comprising a pair of frame members, and a clasp device therefor, including a rotatable member on one frame member, a projection on the second frame member adapted to overlie and engage said rotatable member, the latter having a portion of its outer surface formed to provide a stop abutting against said projection when held in one angular position relative thereto, and another portion of its outer surface formed to provide a clearance when turned to another angular position for releasing said projection so that the frame members may be opened.

1,467,590. ALUMINOUS ABRASIVE AND METHOD OF MAKING THE SAME. HAROLD A. RICHMOND and ROBERT MACDONALD, Jr., Niagara Falls, N. Y., assignors to General Abrasive Company, Inc., Niagara Falls, N. Y., a Corporation of New York. Filed Apr. 25, 1922. Serial No. 556,538. 14 Claims. (Cl. 204—64.)

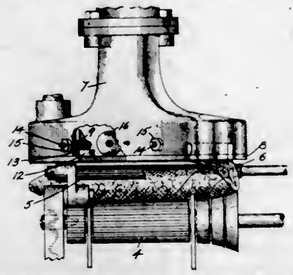
1. In the manufacture of artificial corundum the improvement which consists in regulating the percentage of titanic anhydride in it to control the resistance to fracture and to adapt it to various grinding and polishing operations while providing appreciable quantities of both silica and iron oxide in the product.

1,467,591. SPEED-CHANGING DEVICE AND TAKE-UP OF CHAIN DRIVES OR THE LIKE. ANDREW L. RIKER, Fairfield, Conn. Filed Apr. 26, 1921. Serial No. 464,638. 3 Claims. (Cl. 64—53.)



1. The combination of at least two parallel fixed-center shafts, driving-means such as a sprocket-chain co-acting therewith, a spur-gear secured on one of said shafts, an axially-adjustable member in which said shaft is journalled, an eccentric arbor carried by said member and surrounding said shaft, a sleeve journalled upon said arbor and carrying outwardly-projecting external teeth engaged by said driving-means, said sleeve likewise carrying inwardly-projecting internal teeth located in the same transverse zone as said external teeth, and said spur-gear, said internal teeth being in direct mesh with said spur-gear.

1,467,592. WRAPPER CARRIER FOR CIGAR MACHINES. RUPERT E. RUNDELL, Brooklyn, N. Y., assignor to International Cigar Machinery Company, a Corporation of New Jersey. Filed Mar. 27, 1922. Serial No. 547,017. 4 Claims. (Cl. 131—42.)



1. In a wrapper carrier for cigar machines, the combination with a traveling suction head, of a perforated wrapper support, and connecting means adapted to permit relative movement of said head and said support to prevent wrapper tearing.

1,467,593. FILM-FEEDING MECHANISM FOR CINEMATOGRAPHS. HERMANN SEUFERT, Brooklyn, N. Y. Filed Nov. 2, 1922. Serial No. 598,481. 3 Claims. (Cl. 74—14.)



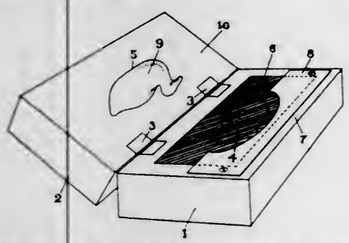
1. In a film feeding mechanism for a cinematograph, the combination with the spindle for the film feed roller, of a continuously revolving closed drum, a set of catch members and a cam in said drum, said cam being adapted to actuate said catch members and means operatively connected to said spindle and adapted to be successively revolved by said catch members to feed the film each time the length of a picture.

1,467,594. ROOFING MATERIAL. HOWARD F. WEISS, Madison, Wis., assignor to C. F. Burgess Laboratories, Madison, Wis., a Corporation of Wisconsin. Filed Jan. 24, 1920. Serial No. 353,760. 12 Claims. (Cl. 91—68.)



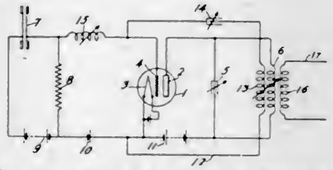
1. The method of manufacturing roofing material, which comprises forming a loose, porous, highly absorbent mat of dry fibrous material with relatively slight cohesion, and saturating the mat so formed with a liquid high melt point saturant.

1,467,595. PROCESS AND APPARATUS FOR APPLYING TRANSFERS TO CONVEX, CONCAVE, AND OTHER ARTICLES. ARVID M. WESTLING, Boston, Mass. Filed Oct. 24, 1922. Serial No. 596,536. 6 Claims. (Cl. 41—33.)



1. The method of applying transfers to a convex, concave or irregular surface of an article which consists in placing a transfer upon a moistened flexible sheet, coating the surface to which the transfer is to be supplied with a suitable adhesive and forcing the transfer and its flexible supporting sheet into a matrix complementary to the surface to which the transfer is to be applied by relative movement of the article and said matrix.

1,467,596. HIGH-FREQUENCY MODULATION DEVICE. PETER IRVING WOLD, East Orange, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y., a Corporation of New York. Filed May 28, 1918. Serial No. 237,120. 16 Claims. (Cl. 179—171.)



1. The combination of an oscillation generating system including an input circuit, an output circuit and a feedback circuit, and a condenser transmitter conductively connected to the input circuit thereof for modulating in accordance with speech the oscillations produced by said generating system.

1,467,597. LADDER REST OR SUPPORT. ELOF WALDEMAR WENDEL, Hinsdale, Ill. Filed Feb. 18, 1922. Serial No. 537,531. 3 Claims. (Cl. 228—60.)



1. In a device of the class described, the combination of a frame including side arms, a bar provided with transverse grooves for receiving the arms of said frame, fastening means passing through the grooved portions of the cross bar and through the arms of said frame for holding the bar and frame securely together, and penetrating means on said frame.

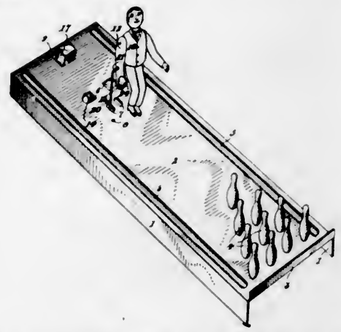
1,467,598. MANUFACTURE OF PHENYL GLYCINE COMPOUNDS. MAX WYLER, Blackley, Manchester, England, assignor to British Dyestuffs Corporation, Limited, Blackley, Manchester, England. Filed Oct. 10, 1922. Serial No. 593,495. 3 Claims. (Cl. 260—109.)

1. The process of manufacturing phenyl glycine compounds which consists in gradually pumping one molecular proportion of trichlor-ethylene into a mixture containing a very slight quantity in excess of one molecular proportion of aniline and a body possessing an alkaline reaction under pressure, keeping the temperature of the pressure vessel between 170° to 180° C., substantially as described.

1,467,599. PROCESS FOR PREPARING A SUGAR SIRUP. HERBERT C. GORE, Takoma Park, Md., dedicated, by mesne assignments, to the People of the United States for their free use and enjoyment. Filed Sept. 12, 1922. Serial No. 587,793. 2 Claims. (Cl. 127—35.) (Filed under the act of Mar. 3, 1883, 22 Stat. L., 625.)

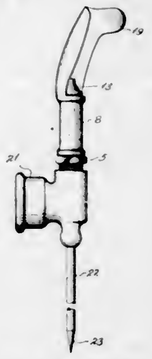
1. The process of preparing cane sirup, consisting in heating cane sirup, in mixing therewith yeast in an amount equivalent to two hundredths of one per cent of the weight of the cane sirup, in continuing the said heat treatment for a period of from 15 to 60 hours, and in finally boiling the mixture, thereby producing a non-crystallizable sirup.

1,467,600. TOY BOWLING ALLEY. VALENT HOVANEC, Ambridge, Pa. Filed Nov. 9, 1922. Serial No. 599,844. 3 Claims. (Cl. 46—61.)



1. In a toy bowling alley, a metallic frame bent to provide a central alley portion and depressed to provide lateral gutters, a manikin mounted upon a vertical pivot adjacent one end of the alley and having a swinging arm for supporting a bowling ball, means for swinging the manikin arm, said means including a lever frame embodying side arms, struck out portions from the alley forming depending ears to which the arms are pivoted, said alley having a series of openings formed therein, a presser head carried by the lever arms projecting upwardly through one of said openings, and a link connection between the forward end of said arms and the swinging arm of the manikin freely extending through one of the alley openings.

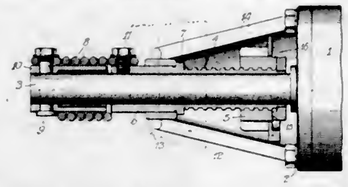
1,467,601. SPRINKLER. EDWARD C. CHAMBERS, Jacksonville, Fla. Filed Sept. 3, 1921. Serial No. 498,242. 4 Claims. (Cl. 299—126.)



1. The combination in a sprinkler, of a nozzle and a spreader rotatably supported to receive the discharge therefrom and having opposing faces of unequal area, the lesser face being disposed to receive the discharge from the nozzle and to direct it to the opposing face, said last named face forming a reaction and diffusing surface whereby the spreader is rotated and distributes the fluid issuing from said nozzle.

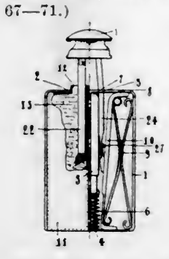
1,467,602. ENGINE STARTER. VINCENT BENDIX, Chicago, Ill. Filed June 9, 1919. Serial No. 302,787. 2 Claims. (Cl. 74—7.)

1. An engine drive structure comprising a driving shaft, a driven shaft mounted thereon and operatively connected therewith, a driving member mounted on said driven shaft for longitudinal movement thereof and rotary movement therewith, said rotatable shaft having a plain portion at one end, a bearing sleeve for said plain portion, the latter being capable of an endwise sliding movement through said sleeve which is located at an



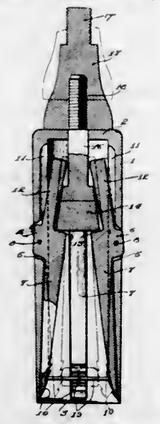
intermediate portion of said structure, and a stop formed on said driven shaft for limiting the longitudinal movement of said driving member in one direction and adapted to engage said sleeve to prevent endwise movement of the driven shaft in one direction.

1,467,603. AUTOMATIC LIGHTER. FERNAND BISSON, Paris, France. Filed Feb. 8, 1922. Serial No. 534,990. 7 Claims. (Cl. 67—71.)



1. In a lighter, the combination of a case having an open end; a pyrophoric body within the case immediately adjacent said end; a rod insertable and withdrawable bodily into and from said case through said end and provided with abrading means for contact with the pyrophoric body to produce sparks during the withdrawal of the rod; a wick adapted to be ignited by such sparks; and means other than the abrading means for preventing contact between said abrading means and pyrophoric body during the insertion of the rod.

1,467,604. FISHING TOOL FOR DEEP WELLS. GEORGE G. BOWEN, CHARLEY A. DULEY, and ROBERT B. ROSS, Ivan, Tex. Filed Nov. 4, 1921. Serial No. 512,857. 4 Claims. (Cl. 294—95.)



1. A tool for the purpose set forth comprising a socket provided with external longitudinal grooves, a plurality

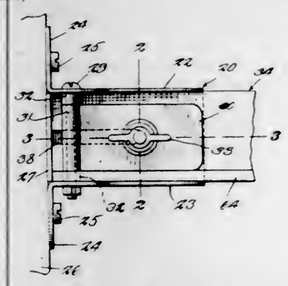
of slips pivotally mounted within the socket, and means for holding the lower ends of the slips spread during descent of the socket and permitting the same to close and remain closed during the ascent of the socket.

1,467,605. HOG SHACKLER. SAMUEL CHAZEN and CARL J. MADSEN, Mason City, Iowa. Filed May 14, 1923. Serial No. 638,799. 11 Claims. (Cl. 17—44.)



1. In a device of the class described, a body portion, a tubular member secured thereto, an element slidably positioned in said body portion, grappling hooks pivotally secured to said element, an element slidably positioned in said tubular member, a supporting hook secured to the second mentioned element, and flexible means operatively connecting said element for moving said grappling hooks into their operative positions when the second mentioned element is moved outwardly of said tubular member.

1,467,606. BED LOCK. POPE COBB, Brownsville, Tenn. Filed Aug. 21, 1922. Serial No. 583,213. 2 Claims. (Cl. 5—290.)



1. In a device of the class described, a trough-shaped socket comprising a side, a top and a bottom; a pivot element connecting the top and the bottom; a jaw mounted to swing on the pivot element, between the top and the bottom, in a direction at right angles to the side; a clamping device connecting the jaw with the side; and a rail comprising flanges, one of which is disposed between the jaw and the side, the other of which is disposed between the jaw and the bottom.

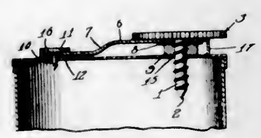
1,467,607. MAIL-BOX SUPPORT. CARY COOK, Covington, Ga. Filed July 25, 1923. Serial No. 653,771. 11 Claims. (Cl. 248—41.)

1. A mail box support comprising, in combination, a base adapted to be anchored in the ground, a standard pivotally mounted for angular adjustment in a vertical plane on said base, a box supporting means adjustably mounted on said standard and means whereby said box



supporting means may be secured in a horizontal position on the standard for all positions of angular adjustment of the standard.

1,467,608. CAN PUNCH. ELISHA ASBURY CONWAY, Williamsport, Pa. Filed Dec. 5, 1921. Serial No. 520,036. 1 Claim. (Cl. 220—51.)

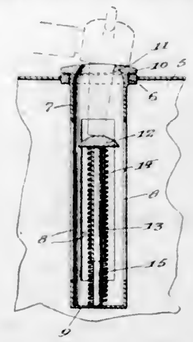


In a device of the class described, a spring arm which is offset intermediate its extremities to dispose the end portions of the arm in different parallel planes, one end portion of the arm being supplied with a terminal extension disposed substantially at right angles thereto, said end portion being provided with an opening located close to the extension, a screw rotatable in the opening and having a turning head bearing against said end portion, a compressible gasket through which the screw is threaded, a washer on the screw and interposed between the gasket and said end portion of the arm, the washer constituting an abutment for the gasket and extending laterally beyond said end portion of the arm, a stud carried by the other end portion of the arm, and a compressible gasket on the stud and abutting against the last specified end portion of the arm, the distance between the screw and the extension, and the distance between the stud and the corresponding extremity of the arm being less than the distance between the stud and the screw.

1,467,609. CLOSURE. JOHN W. CRIPE, Newville, N. Dak. Filed Sept. 26, 1921. Serial No. 503,205. 1 Claim. (Cl. 220—86.)

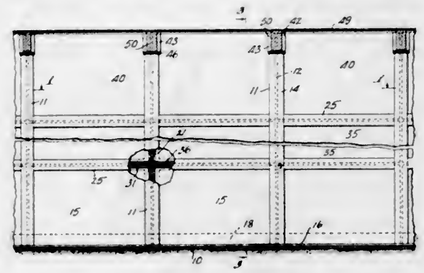
A closure for liquid containers comprising a cylinder which is closed at the bottom and has its top in the form of a screw-plug and provided with an inlet opening, said cylinder also having side liquid escape openings, a valve seating upwardly in the inlet opening and exposed on the outside thereof, telescopically connected guide members for the valve, one of said members depending from the valve and movable therewith and the other member being stationary and supported by the closed bottom of

the cylinder, and a spring for normally holding the valve seated, said spring being coiled around the aforesaid



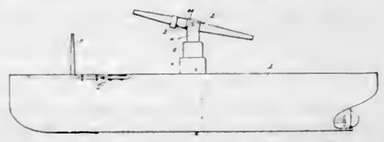
guide members, and one end of the spring bearing against the bottom of the valve, the other end of the spring seating on the closed bottom of the cylinder.

1,467,610. TANK CONSTRUCTION. SAMUEL DIGGLE, Bayonne, N. J. Filed July 20, 1921. Serial No. 486,075. 7 Claims. (Cl. 220—5.)



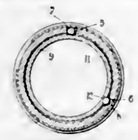
1. A fabricated tank wall structure including individual plate members and a frame structure consisting of vertical beams comprising radially disposed webs having laterally projecting flanges at the outer edges thereof, and horizontal beams comprising webs provided respectively with vertically upstanding and depending flanges at the outer edges thereof, said horizontal beams arranged in vertically spaced relation between the vertical beams to define therewith individual framing spaces for the reception of the plate members between the webs of said beams and with the outer surfaces of the edges of the plates abutting the flanges of the beams.

1,467,611. SUBMARINE WAR VESSEL. KENNEDY DOUGAN, Minneapolis, Minn. Filed Apr. 28, 1917. Serial No. 165,264. 23 Claims. (Cl. 89—38.)



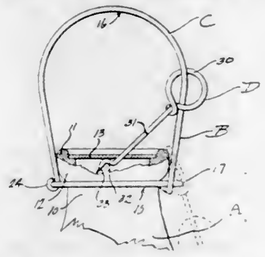
1. A vessel, a gun carried by said vessel, a hermetically sealed gunner's casemate carried by said gun, and means controllable from said gunner's casemate for raising said gun bodily.

1,467,612. GRAMOPHONE. TIMOTHY DAISCOLL, London, England. Filed Apr. 20, 1922. Serial No. 555,067. 1 Claim. (Cl. 274—24.)



A tone arm having a circumferentially reduced extremity formed with an opening therethrough, a sound box carrying member rotatably mounted in said extremity and having an annular groove with which said opening is in registry, a ball loosely seated in said opening and riding in said groove, said member having an opening within the groove to receive the ball in a certain relative position of the member and tone arm, and a spring band slidably fitting said extremity and overlying and bearing on said ball, the ends of said band being spaced apart to permit insertion or withdrawal of said ball at will.

1,467,613. MILK-BOTTLE CARRIER AND OPENER. MIKE J. DVORSHAK, Everett, Wash. Filed Feb. 27, 1922. Serial No. 539,681. 5 Claims. (Cl. 215—55.)



1. In a device of the class described, the combination of an article carrying member, and a stopper extractor movably mounted upon said article carrying member whereby the same may be utilized for extracting a stopper from the article being carried, without detachment of the same from said article carrying member.

1,467,614. FINGER-NAIL-CLEANING COMPOUND. CHARLES W. EADS, Oakland, Calif. Filed Sept. 27, 1921. Serial No. 503,700. 5 Claims. (Cl. 132—73.)



4. A finger nail cleaner comprising a compound formed of an abrasive substance, a bleach and a binder and shaped as a shaft and means for discharging said shaft from said enclosing means.

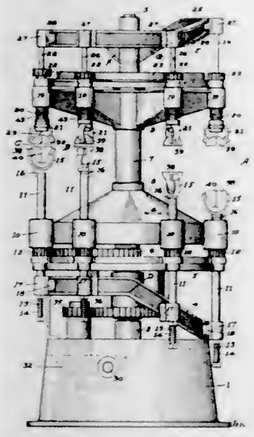
1,467,615. SELF CLOSING AND CLEANING DRAIN VALVE. GEORGE W. FAIRBANKS, Pendleton, Oreg., assignor of one-half to N. E. McDermut, Pendleton, Oreg. Filed May 2, 1921. Serial No. 465,950. 2 Claims. (Cl. 251—149.)



1. In a self closing and cleaning drain valve, the combination of a rimmed body portion, provided with a depressed valve seat having an orifice therein, the rim of

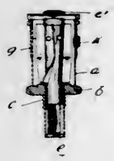
said body portion carrying a recess, a threaded stem rigidly attached to said seat, a disc valve rotatably mounted on said stem in slidable engagement with said seat, a stop extending from said disc and operable in said recess, said valve being provided with an orifice registrable with the first mentioned orifice, a cleaning means attached to and operable with said disc valve, and a means to yieldingly maintain said valve in a closed position.

1,467,616. PEAR-PEELING APPARATUS. CHARLES E. FORRY, Oakland, Calif., assignor of one-third to E. H. Duncan and one-third to Arthur L. Duncan, both of Oakland, Calif. Filed Apr. 16, 1923. Serial No. 632,399. 30 Claims. (Cl. 146—43.)



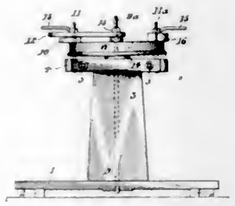
1. In a machine for peeling pears, the combination of means for holding pears, said holding means carrying fixed peeling means, with other means for imparting peeling movement to said holding and peeling means.

1,467,617. SECONDARY AIR-SUPPLY MEANS FOR INTERNAL-COMBUSTION ENGINES. ARTHUR GRAHAM FRANCE, London, England. Filed Jan. 20, 1923. Serial No. 614,027. 3 Claims. (Cl. 48—180.)



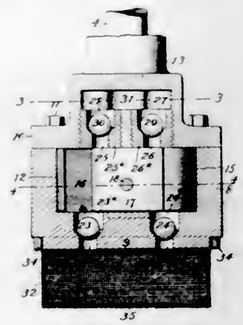
2. In a secondary air supply means for an internal combustion engine a casing adapted to be secured upon the induction pipe of the engine and having an opening for the admission of air, means for varying the size of the said opening, a hollow spindle rotatably mounted with the casing and projecting into the induction pipe, apertures in the spindle within the casing, a series of blades in that part of the spindle within the casing, a second series of blades on that part of the spindle which projects into the induction pipe, and passages in the spindle parallel to the axis thereof and lying between the blades of the second series through which the air is drawn into the induction pipe from the casing.

1,467,618. AUTOMOBILE WHEEL HOLDING AND TRUING DEVICE. GEORGE H. HARTMAN, Ithaca, N. Y. Filed Aug. 16, 1922. Serial No. 582,150. 2 Claims. (Cl. 157—1.)



1. In a wheel holding and truing device, a supporting standard, a cross head carried by the upper end thereof, screw bolts extending upwardly from said cross head, a perpendicular shaft extending upwardly through said cross head and threaded at its upper end, a plate arm extending between one of said screw bolts and the upper end of the threaded shaft, a clamping block associated with the other screw bolt and handle nuts threaded on the screw bolts at the upper end of the threaded shaft.

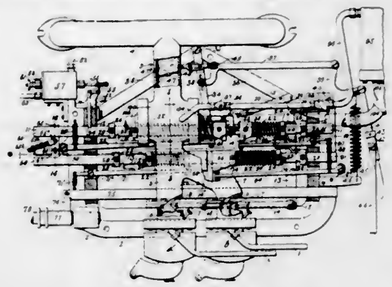
1,467,619. LUBRICATING PUMP FOR ENGINES. HOMER HULL, Detroit, Mich., assignor to American Blower Company, Detroit, Mich., a Corporation of Michigan. Filed Mar. 13, 1919. Serial No. 282,446. 10 Claims. (Cl. 103—145.)



1. In a pump of the character described, the combination of a stationary body part, comprising substantially flat end walls and a cylindrical side wall, a shaft projecting through one of the end walls, an impeller member within the chamber formed by the body part, said impeller member being solid and mounted on said shaft so as to substantially fill the space between the flat end walls and curved to conform to the curvature of the cylindrical wall, the body part having inlet and exhaust ports in the flat end walls thereof, said impeller member having a segmental cut-out part projecting inwardly from the periphery thereof, a stationary partition mounted on the body part and within the space formed by said cut-out part of the impeller member, and mechanical means for continuously imparting oscillating movement to the shaft about its longitudinal axis whereby to oscillate the impeller member.

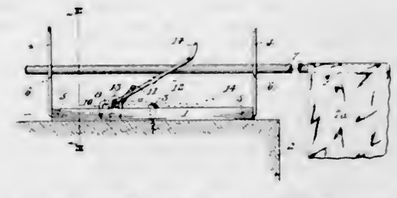
1,467,620. ENGINE-CONTROLLING MECHANISM. FREDERICK C. LINDSEY, Indianapolis, Ind. Filed Sept. 25, 1920. Serial No. 412,885. 17 Claims. (Cl. 123—127.)

1. In a fuel feeding mechanism for internal combustion engines, a fuel feeding conduit, carburetors arranged to feed different gases into said conduit, a throttle between said carburetors and a part of the conduit that is connectible to the engine, means settable for holding the throttle open and maintaining the carburetors respectively



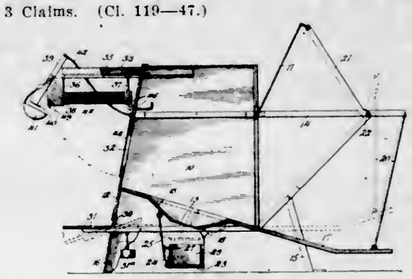
effective and ineffective, a dog for holding at least a part of said means in the seat position, and means controllable by operation of the engine for releasing the first said means from control of said dog.

1,467,621. FLAGSTAFF HOLDER. HAROLD F. MAHONEY, Schenectady, N. Y. Filed Jan. 31, 1923. Serial No. 616,213. 4 Claims. (Cl. 248—37.)



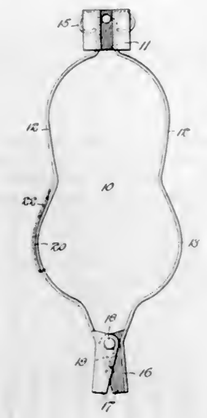
1. In a flag staff holder, a base plate, a separate staff supporting wire frame at each end of the plate and resilient gripping means for a flag staff intermediate the ends of said base plate and spaced from the staff supporting frame.

1,467,622. NEST BOX. CRAWFORD E. MCMURPHY, Fairfax, Mo. Filed Apr. 20, 1922. Serial No. 555,661. 3 Claims. (Cl. 119—47.)



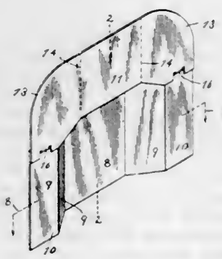
1. A nest box for fowls including a box provided with entrance and exit openings, a pair of doors for closing said exit opening, each of said doors being provided with a recess forming, when the doors are closed, an opening through which a fowl within the box is adapted to project its head prior to leaving the box, a member secured to the box above said exit opening, neck ring supporting means slidably engageable with said member whereby said supporting means is bodily removable from the box, and a connection between said neck ring supporting means and one of said doors whereby individual neck rings are successively released from said supporting means and disposed in substantial alinement with the opening in said doors upon each movement of the doors from closed position to open and subsequent closed position.

1,467,623. NECK RING. CRAWFORD E. MCMURPHY, Fairfax, Mo. Filed June 12, 1922. Serial No. 567,760. 4 Claims. (Cl. 119—45.)



1. The combination with a supporting clip, of a neck ring including a pair of pivotally connected normally contracted arms adapted to be spread apart and releasably engaged with said clip.

1,467,624. COLLAPSIBLE DISPLAY CARD. JAMES HARLEY NASH, Caldwell, N. J., assignor to Lee & Nash, Inc., New York, N. Y., a Corporation of Illinois. Filed Dec. 20, 1922. Serial No. 608,128. 2 Claims. (Cl. 40—126.)

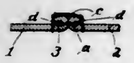


1. A display card having a back-plate, side-plates, front-plates, and an arch all formed in one piece and shaped to connect the back-plate with the middle of the arch and the front-plates with the ends of the arch, the whole being foldable into a one-piece package.

1,467,625. PROCESS OF WELDING. HENRY W. SCHOENFELDT, GUSTAV A. REINHARDT, and ELMER T. MCCLEARY, Youngstown, Ohio. Filed Sept. 12, 1922. Serial No. 587,824. 10 Claims. (Cl. 22—206.)

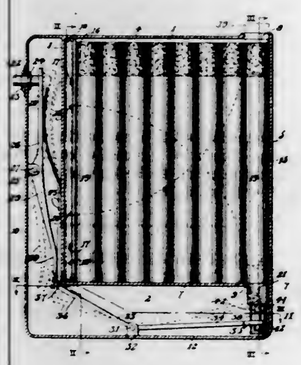
1. The process of welding, including the steps of superheating metal in a furnace and forming the weld with the furnace superheated metal, substantially as described.

1,467,626. SEAM FOR FABRICS. HENRY L. TUCKER, Winchendon, Mass., assignor to Tom Wye, Inc., Winchendon, Mass., a Corporation of Massachusetts. Filed Apr. 8, 1921. Serial No. 459,638. 1 Claim. (Cl. 112—269.)



The combination of contiguous sections of knit fabric lapped upon themselves to form contiguous folds, a reinforcing tape folded upon itself within one of said folds, stitches extending transversely through said tape and said folds at the bends thereof to unite said fabric sections and overseaming stitches extending over said folds and through said fabric sections adjacent to the free edges of said folds but not through the latter to connect said fabric sections independently of said tape and said transverse stitches and to hold said folds in place.

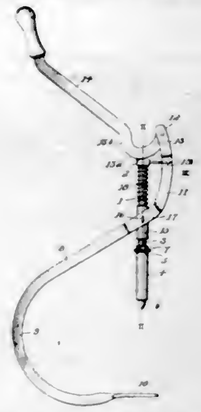
1,467,627. CIGARETTE CASE. EDWARD THIMGREN, Popotla, Mexico. Filed Dec. 28, 1922. Serial No. 609,508. 4 Claims. (Cl. 206—41.)



1. In a device of the type described, a commodity containing compartment having openings, means positioned within said compartment for moving its contents successively into alinement with said openings, a second compartment carried externally of the first mentioned compartment extending along two side walls of the same, a resiliently mounted plunger located at the end of one wing of the second compartment in alinement with said openings, an angular lever pivotally mounted in said wing operatively connected to said plunger and projecting into the other wing of said second compartment, a lever pivotally mounted in the last mentioned wing operatively engaging the angular lever, resilient means engaging the last mentioned lever for normally retaining the plunger in its inoperative position, and means for actuating the last mentioned lever to cause the plunger to eject the portion of the contents in alinement with said openings from the commodity compartment.

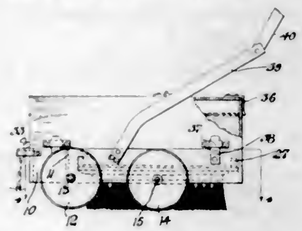
1,467,628. VALVE-SPRING COMPRESSOR AND LIFTER. OTTO VINCE VANICEK, Temple, Tex. Filed July 5, 1922. Serial No. 572,837. 4 Claims. (Cl. 29—86.3.)

1. In a valve spring compressor, a valve engaging rod formed of extensible sections with the lower end thereof adapted for engagement with a valve, a curved lever arm slidably and pivotally associated with the valve engaging rod with the lower end thereof adapted for engagement with the lower end of a valve spring, and a handle lever



pivotally connected to the upper end of the curved lever arm and in engagement with the upper end of the valve engaging rod.

1,467,629. FLOOR-CLEANING APPARATUS. FRANK VOREL, Hanover, Mont. Filed Aug. 23, 1920. Serial No. 405,408. 2 Claims. (Cl. 15—50.)



1. A floor scrubbing apparatus comprising a frame, pairs of truck wheels on each side of said frame, a toothed brush carrying annulus rotatably mounted in said frame, pinions extending in from opposite sides of said frame engaging the teeth of said annulus, one of said pinions being driven direct by one of said wheels, means intervening between the other pinion and adjacent wheel whereby it is driven in an opposite direction, and rollers carried by said frame adapted to maintain operative engagement between said annulus and said pinions.

1,467,630. ARCH SUPPORT. JOSEPH ABRAMOWITZ, Madison, Ill., assignor of one-half to John J. Selb, Venice, Ill. Filed Dec. 18, 1922. Serial No. 607,591. 3 Claims. (Cl. 36—71.)

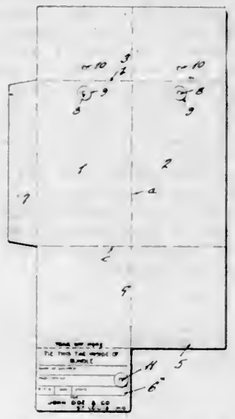


1. An arch-support adapted to fit within a shoe and comprising a base and an arch-supporting element, the latter being contoured and shaped to conform approximately to the instep or arch of the foot and having connection at one side margin with the base for relatively yielding hinged movement, in combination with means adapted for edgewise disposition intermediate the base and element for adjustably spacing the element hingedly

from the base to vary the arch-supporting height of the support, said means including a member comprising a pair of connected relatively yielding sections, and a screw-member thread-seated for adjustable movement in one of said sections and with which screw-member the other section is adapted for engagement.

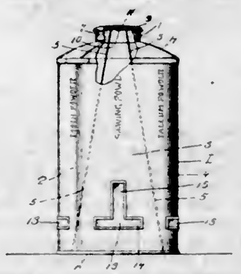
3. An arch-support adapted to fit within a shoe and comprising a base and an arch-supporting element, the latter being contoured and shaped to conform approximately to the instep or arch of the foot and having connection at one side margin with the base for relatively yielding hinged movement and the base having a series of perforations, in combination with means including a member adapted for adjustable disposition intermediate the base and element for adjustably spacing the element hingedly from the base to vary the arch-supporting height of the support, and a tongue on said member adapted for selective engagement with said perforations for detachably securing said member in adjusted position between the base and element.

1,467,631. COMBINED SHIPPING TAG AND ENVELOPE SHEET. ALBERT M. AHERN, St. Louis, Mo. Filed Nov. 10, 1919. Serial No. 336,911. 1 Claim. (Cl. 229—74.)



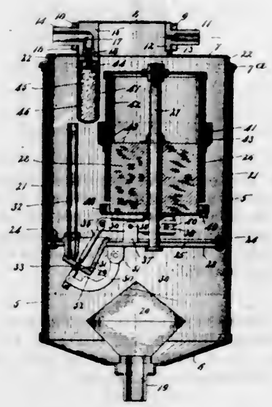
In a tag and envelope sheet having complemental central tag sections with indicia on one of said tag sections for the addressee and addressor and end sections foldable onto said tag sections, of a detachable identification tag section, having indicia thereon for the addressee and addressor, forming an extension of one of said end sections and in longitudinal alinement with one of said complemental tag sections.

1,467,632. COMBINATION CONTAINER. MAURICE BLUMENTHAL, Brooklyn, N. Y. Filed Jan. 27, 1920. Serial No. 354,387. 2 Claims. (Cl. 221—62.)



1. A combination container comprising a main casing, a cover piece having a rotatably mounted closure member thereon and having a flaring portion extending ontwardly therefrom to cover the upper end of the casing, a plurality of partitions arranged within the container for dividing the casing into a plurality of separate compartments, said partitions having their lower ends spaced relatively far apart and having their upper ends spaced a less distance apart and extending into said closure member, and the closure member having means whereby to afford access into said compartments selectively at will by rotation of said closure member.

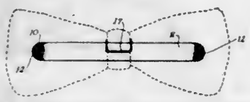
1,467,633. LIQUID-FEEDING DEVICE. JOSEPH C. COULOMBE, Dracut, Mass. Filed Dec. 15, 1919. Serial No. 345,025. 22 Claims. (Cl. 158—36.)



1. A liquid feeding device comprising a distributing chamber, a suction chamber, a discharge passage connecting said chambers, an inclined valve seat for the discharge passage, a valve normally seated upon the inclined valve seat, said valve when seated being at an angle to a horizontal plane, a float member in the suction chamber and connections actuable by said float member for controlling the opening and closing movements of said inclined valve.

7. A liquid feeding device comprising a tank having a top made of a single piece of pressed sheet metal formed with a dome-like protuberance, having flat side walls, and laterally extending pipe fittings secured to said flat side walls.

1,467,634. NECKTIE HOLDER. ALBERT H. GEILFUSS, Parkersburg, W. Va. Filed Mar. 27, 1923. Serial No. 628,063. 4 Claims. (Cl. 24—56.)



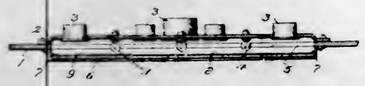
2. In a necktie holder, clip members, one of which has apertures, a collar button engaging member having portions inserted between the said clip members and having its ends seated in the said apertures, the said collar button engaging member and the said clip members being secured together by a binder.

1,467,635. OIL-WELL EQUIPMENT. ALBERT T. HAGAMAN, Louisa, Ky. Filed Jan. 29, 1923. Serial No. 615,592. 4 Claims. (Cl. 103—194.)



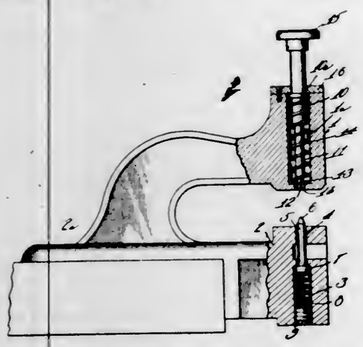
1. An oil well equipment comprising a working barrel having active and inactive portions, main and supplemental travelling valves arranged in the working barrel, the main travelling valve constituting a sand arrester by means of which sand is prevented from settling on the supplemental valve.

1,467,636. GLASS-COVERED INSTRUMENT BOARD FOR MOTOR VEHICLES. WILLIAM P. HAMMOND, Maplewood, N. J. Filed May 26, 1921. Serial No. 472,816. 2 Claims. (Cl. 240—2.)



1. In combination with an instrument board for motor vehicles, provided with a series of instruments, a single sheet of glass plate extending across the faces of the instruments, said glass plate being rendered opaque throughout its area excepting at portions thereof directly opposite the faces of the instruments, where the glass plate remains transparent.

1,467,637. PUNCH. RAYMOND M. HATCH, Trumansburg, N. Y. Filed May 2, 1922. Serial No. 557,836. 2 Claims. (Cl. 164—94.)



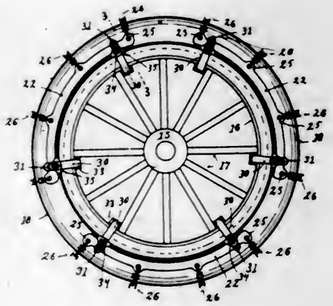
1. A punch of the class described comprising a pair of vertically spaced jaws each having a bore extending therethrough, the bore in one registering with that in the other, a spring projected locating punch mounted in one of said bores and a spring retracted cutting punch in the other bore.

1,467,638. WHEEL RIM. ROSCO H. HIATT, Greens Fork, Ind. Filed June 24, 1921. Serial No. 480,222. 1 Claim. (Cl. 301—33.)



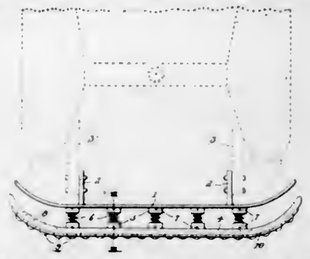
A detachable rim cut diagonally at one point forming ends adapted to fit together, two major hinge members secured to the inner face of one end portion of the rim and projecting on to the inner face of the other end portion of the rim, a crescent portion integrally connecting the projecting end portions of said hinge members, the material of the first mentioned end portion of the rim being cut away forming a notch between said members of the hinge, a lever, a link connected with the lever and adapted to operate in said notch, a pivot extending through the hinge members and through said link, a block integral with the face of said link and adapted to fit and close said notch, two minor hinge members secured to the inner face of the second end portion of the rim, a pivot extending through said minor hinge members and through said block, and a lug formed on the link and adapted to fit in a slot formed through the central portion of said second end portion of the rim, all substantially as shown, whereby the operation of said lever will move the ends of the rim with relation to each other.

1,467,639. VEHICLE TIRE-CHAIN APPARATUS. PATRICK G. HUGHES, Cincinnati, Ohio. Filed Feb. 3, 1922. Serial No. 533,991. 2 Claims. (Cl. 152—14.)



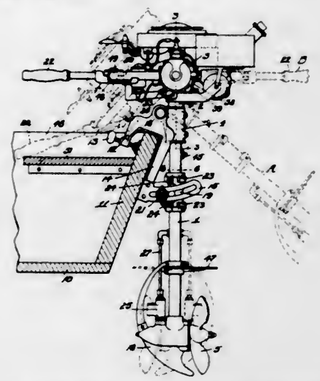
1. A tire chain apparatus comprising a pair of rigid side bars adapted to extend along and adjacent to opposite sides of a fraction of the tire, a plurality of spaced chain sections, each connected at opposite ends to said respective side bars and adapted to extend from one of said side bars to the other over the periphery of the tire, and a pair of yoke shaped members each hinged directly to one of said side bars near one end of said side bar and directly attached across the felly to the opposite side bar near one end thereof.

1,467,640. AUTOMOBILE BUMPER. USTOS ILICH, San Diego, Calif. Filed Mar. 6, 1923. Serial No. 623,150. 2 Claims. (Cl. 293—55.)



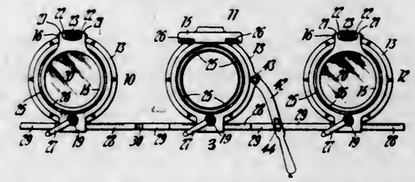
1. In an automobile bumper of the type described, a rigidly mounted bumper bar and another resiliently mounted bumper bar positioned forwardly of the rigid bar, and bearing balls secured to the outer face of the resiliently mounted bumper bar.

1,467,641. OUTBOARD MOTOR FOR SMALL CRAFT. LOUIS J. JOHNSON, Mishawaka, Ind., assignor to Johnson Bros. Engineering Corporation, South Bend, Ind. Filed Jan. 27, 1922. Serial No. 532,340. 13 Claims. (Cl. 115—18.)



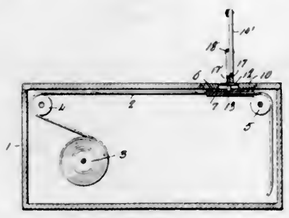
12. The combination with a motor including a propeller and a propeller drive shaft adapted to move in a horizontal plane and in a vertical plane, of means controlled in the angular adjustment of the propeller for locking the latter against movement in a vertical plane.

1,467,642. MULTIPLE OPERATING MECHANISM FOR SHIPS' PORTS AND THE LIKE. ALBERT H. KENNEWEG, Brooklyn, N. Y., assignor, by mesne assignments, to Kam-Kap Appliance Co., Inc., a Corporation of New York. Filed Nov. 4, 1921. Serial No. 512,807. 4 Claims. (Cl. 114—178.)



1. In a mechanism of the character described the combination of a frame, a cover mounted for movement relatively to said frame, means for moving said cover including a ring rotatably mounted on said frame and coacting means on said ring and cover, means for rotating said ring, a reciprocating member in operative engagement with the ring rotating means, and an actuator operatively connected with said reciprocating member, said reciprocating member having a field of movement independent of said actuator.

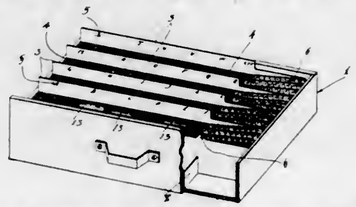
1,467,643. RECORDING DEVICE FOR RAILWAY CARS. JOHN H. LADD, Outlook, Mont., assignor of one-third to Jacob J. Becker, Outlook, Mont. Filed May 25, 1921. Serial No. 472,391. 4 Claims. (Cl. 234—12.)



1. A recording device for street cars including means for perforating a record-strip, means for operating the perforating means from the steps of the car, means intermittently operated for feeding the record-strip to the perforating means, and means operated at intervals to increase the spacing between the perforations.

3. A recording device for railway cars comprising a punch bar mounted to rock on a central pivot and having punch lugs depending therefrom on opposite sides of the pivot, a paper guide below the punch lugs, a ram above each end of the punch bar, separate trip means for the rams, whereby the latter may be alternately forced against the punch bars for depressing the punch lugs at either end, and perforating the paper of the guides in separate columns.

1,467,644. FOLLOW-UP FILING SYSTEM. STILLMAN W. MCKEE, Los Angeles, Calif. Filed Sept. 9, 1920. Serial No. 409,053. 5 Claims. (Cl. 129—16.)

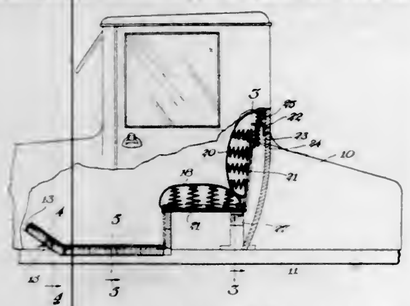


5. In a follow-up filing system, a holder, spaced division members extending longitudinally in the holder, a series of guides in the holder projecting above the level of said division members, each of the guides being provided with a series of index characters corresponding respectively to certain of the spaces between adjacent division members, and a second series of guides between each two of the first guides bearing index characters of a different notation than those on the first guides.

1,467,645. AUTOMOBILE SEAT. ALONZO L. MCPHERSON, Amesbury, Mass. Filed Dec. 2, 1922. Serial No. 604,620. 3 Claims. (Cl. 296—63.)

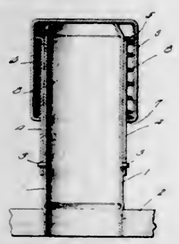
1. The combination with the body of an automobile and a chassis therefor having longitudinal side frame members; of a substantially horizontal rectangular floor frame having its forward end pivotally connected to the side frame members, an upwardly and rearwardly ex-

tending seat frame carried by the rear end of said floor frame and having an upstanding back frame, a cross bar extending fixedly across the said body above the back frame, springs connecting said cross bar and back frame,



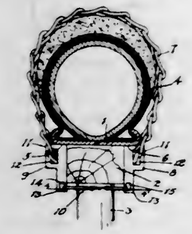
a seat carried by the seat and back frames and having a back portion extending above said cross bar, and springs supported on the cross bar and supporting the upper end of the back portion of said seat.

1,467,646. GREASE CUP. JOHN OWENS, Washington, D. C. Filed Sept. 17, 1921. Serial No. 501,238. 4 Claims. (Cl. 184—95.)



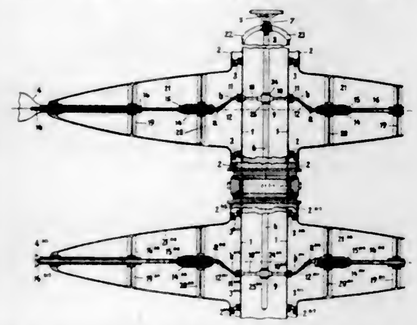
3. A grease cup having projections on its exterior, a two-part cover around the cup, each part having a shoulder, one shoulder extending inwardly and the other outwardly to prevent separation of the parts, a spring between the shoulders, and slots in one of the parts to coact with the projections on the cup to detachably hold it to the cup.

1,467,647. ANTISKIDDING DEVICE. HUGH RACEY PATRIARCHE, Winnipeg, Manitoba, Canada. Filed Mar. 14, 1921. Serial No. 452,142. 1 Claim. (Cl. 152—14.)



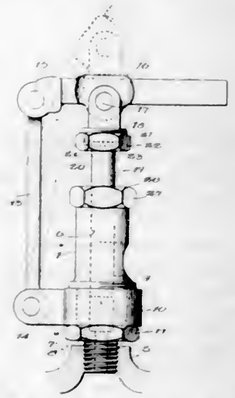
In an anti-skidding device for automobile wheels, an anti-skidding loop adapted to extend across the tread portion of the wheel with the ends of the loop lying adjacent the rim of the wheel, a mounting at each side of the wheel comprising an integral body having a pair of passages therethrough, extending in the circumferential direction of the wheel, one of said passages receiving one end of the loop therethrough, and a fastening element passing through the remaining passages of the mountings, said mountings serving through engagement with a portion of the wheel to sustain the outward pull thereon to prevent transmission of such pull to the fastening means connecting the mountings together.

1,467,648. SYSTEM OF PROPELLERS WITH DIFFERENTIAL TWIST BETWEEN THE PROPELLERS FOR AIRCRAFT OF THE HELICOPTER TYPE. RAUL PATERAS PESCARA, Barcelona, Spain. Filed July 15, 1920. Serial No. 396,595. 3 Claims. (Cl. 244—19.)



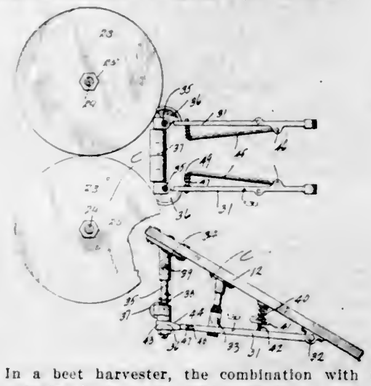
1. In a helicopter a pair of propellers arranged for simultaneous rotation in reverse directions and each having a blade provided with a movable portion and means to operate said movable portions to partially increase the angle of impact of the said blade of one of the propellers and reduce the angle of impact of the said blade of the other propeller.

1,467,649. LUBRICANT GUN. GEORGE A. PETTIT, New Orleans, La. Filed Apr. 22, 1922. Serial No. 555,987. 2 Claims. (Cl. 221—78.)



1. A lubricant gun comprising a barrel having a nozzle at one end adapted for connection with a lubricant receptacle and having a lateral opening formed through its walls at an appreciable distance from the inner end of the nozzle portion the bore of said barrel being reduced diametrically to define an annular shoulder at the inner end of the nozzle portion and to provide a reduced passage through the nozzle portion, a plunger movable in the barrel from the end thereof remote from the nozzle portion past the lateral opening into abutting relation at its end with the said shoulder, a collar rotatably mounted upon the barrel adjacent to the nozzle portion thereof, a cap rotatably mounted upon the plunger at the end thereof remote from the nozzle portion of the barrel, and a lever and link arrangement connecting the collar and the cap for reciprocating the plunger in the barrel.

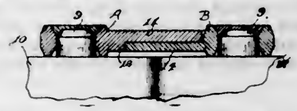
1,467,650. BEET TOPPER. SKAIFE L. POND and GUY E. SIMKINS, Hill City, S. Dak. Filed June 1, 1920. Serial No. 385,752. 7 Claims. (Cl. 55—108.)



1. In a beet harvester, the combination with means for conveying beets rearwardly by their tops, of a topping mechanism arranged below the conveying means including cutting knives, and a regulator arranged in front of the knives and including a retarding member for holding the beet bodies until the same reach a predetermined position in relation to the knives.

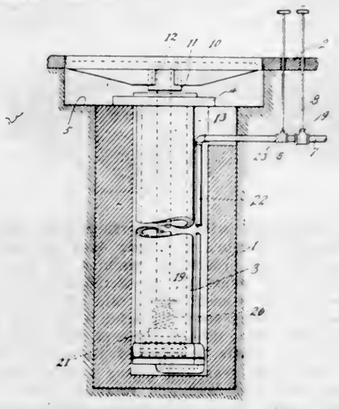
7. In a beet harvester, the combination with means for conveying beets rearwardly by their tops, of a topping mechanism arranged below the conveying means including a pair of rotatable knives, means for rotating the knives, means for adjusting the position of the knives, a pair of depending shafts, sector plates rotatably mounted on the shafts, inwardly extending abutting rollers carried by the sector plates arranged in front of the knives, and adapted to retard the rearward movement of the beet bodies, a pair of hinged arms arranged in the path of the sector plates for holding the sector plates against movement, the arms being adapted to be moved out of the path of said sector plates by the bodies of the beets coming into engagement therewith, springs coiled around said shafts, and arranged to normally hold the rollers in their normal positions, spring means normally holding the arms in the path of the sector plates, and means for adjusting the tension of said last mentioned spring means.

1,467,651. BATTERY CONNECTION. JOSEPH F. PRAX, Rochester, N. Y. Filed June 30, 1920. Serial No. 393,146. 2 Claims. (Cl. 173—324.)



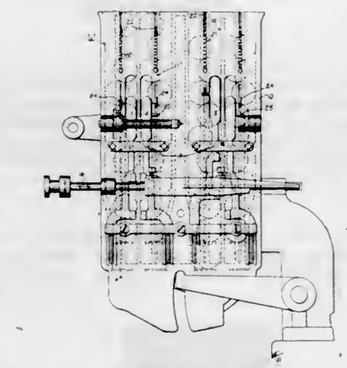
1. A battery connector comprising two members composed of readily fusible soft metal and each having an eye at one end for connection with the battery terminal and an extension, one of said extensions being formed with a longitudinally extending groove, on one side extending to the outer end of said extension and the other being formed with a reduced outer end received within said groove and a shoulder at the inner end of the reduced portion acting as an abutment for the outer end of the grooved portion.

1,467,652. PAPER-SORTING TABLE. JOHN H. REEDY, Hamilton, Ohio, assignor to The Champion Coated Paper Company, Hamilton, Ohio, a Corporation of Ohio. Filed Sept. 5, 1922. Serial No. 586,388. 3 Claims. (Cl. 187—1.)



3. In a sorting table for paper bundles, the combination with a horizontal support for paper bundles, of a controllable, movable carrier for said support, adapted to locate and hold the support at a variety of positions, said carrier comprising a hydraulic piston and piston rod, the piston rod being in engagement with the support and operative control of the piston located outside of the support.

1,467,653. WEFT-CARRIER MAGAZINE. EPPA H. RYON, Waltham, Mass., assignor to Crompton & Knowles Loom Works, Worcester, Mass., a Corporation of Massachusetts. Filed Oct. 20, 1921. Serial No. 509,112. 8 Claims. (Cl. 139—245.)

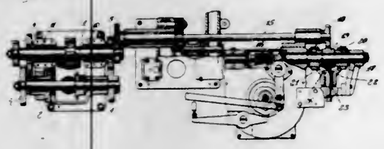


1. In a loom, in combination, a stationary magazine having a plurality of vertical weft carrier compartments, devices to prevent angular vibratory movement of the weft carriers in said compartments, and means to render a selected device inoperative upon indication of exhaustion of the weft carrier in a selected shuttle.

1,467,654. COMPOSITION FOR REMOVING PAINT. ARTHUR W. SCOLES, Tulsa, Okla. Filed Sept. 6, 1921. Serial No. 498,612. 1 Claim. (Cl. 87—5.)

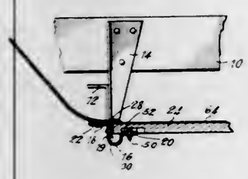
A paint removing composition comprising a dry mixture of sodium hydroxide ninety per cent, and ammonium carbonate ten per cent.

1,467,655. GEARING MECHANISM. ARTHUR L. STEWART and EYVIND FINSEN, Rochester, N. Y., assignors to Gleason Works, Rochester, N. Y., a Corporation of New York. Original application filed Oct. 14, 1920, Serial No. 416,975, now Patent No. 1,403,526, dated Jan. 17, 1922. Divided and this application filed Aug. 9, 1921. Serial No. 490,942. 5 Claims. (Cl. 90—48.)



1. The combination with a reversing shaft and an element operated thereby, of a gear fixed on said element, a second gear rotatably mounted on said element, an idler gear connecting the aforementioned gears, a third gear rotatively mounted on said element, a gear fixed on said reversing shaft engaging said third gear, cam surfaces on the adjacent faces of said first mentioned fixed and rotatively mounted gears, and means carried by the third gear and acting automatically to engage and drive said fixed and rotatable gears alternately, said means comprising a device slidably mounted on said third gear and cooperating alternately with said cam surfaces.

1,467,656. RUNNING-BOARD SUPPORT. ALFRED T. STURT, Flint, Mich., assignor to Durant Motors Incorporated, a Corporation of Delaware. Filed Jan. 27, 1922. Serial No. 532,143. 5 Claims. (Cl. 280—163.)



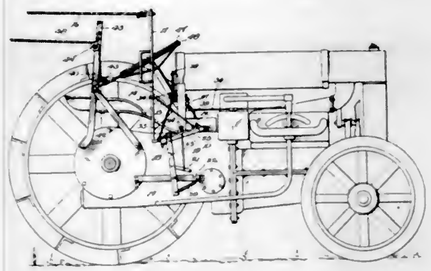
1. In a motor vehicle, a depending bracket, a cross beam secured to said bracket, a hanger having a front flange secured to said cross beam, a rear flange adapted to support a running board and a depressed portion connecting said flanges and adapted to receive and support the lower end of a fender.

1,467,657. MOLD FOR CONCRETE BLOCKS. HARRY D. TAMPLIN, West Manchester, Ohio. Filed Dec. 12, 1922. Serial No. 606,494. 3 Claims. (Cl. 25—121.)



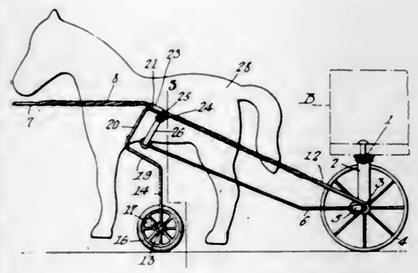
1. In combination, a mold box, a main core forming member mounted in the box, a pair of auxiliary core forming members, and bolts passing through the core forming members so as to hold them in detachable engagement with each other in the manner and for the purpose specified.

1,467,658. DISTANT TRACTOR CONTROL. EARL L. THOMSON, Dunkirk, Ohio. Filed Sept. 9, 1922. Serial No. 587,145. 9 Claims. (Cl. 74—81.)



1. The combination with a tractor having a swingingly movable clutch pedal, of a lever connected to the pedal and operable for depressing the pedal, means for automatically locking the pedal when depressed, and means associated with the first means and operatively connected with the pedal for holding the first means inactive to release the pedal and operable by the pedal when released to free the first means.

1,467,659. TOY. JOSEPH D. TRETHAWAY, Wilkes-Barre, Pa., assignor to Trethaway Mfg. Co., Wilkes-Barre, Pa. Filed Aug. 6, 1921. Serial No. 490,239. 3 Claims. (Cl. 46—45.)

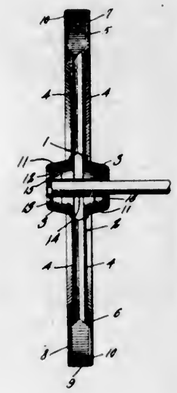


2. In a toy the combination with a crank axle mounted for rotation and supporting wheels therefor, of a draft member connected to the axle, said member having its sides spaced apart at an intermediate point, a strip fixedly connected to said sides, a wheel supporting the strip, a cross rod journaled upon the strip, a drive rod operated by the crank axle for rocking the cross rod about its longitudinal axis, and a figure simulating an animal connected to and adapted to rock with the cross rod.

1,467,660. WHEEL. JOSEPH D. TRETHAWAY, Wilkes-Barre, Pa., assignor to Trethaway Mfg. Company, Newark, N. J. Filed Feb. 20, 1922. Serial No. 537,960. 1 Claim. (Cl. 301—64.)

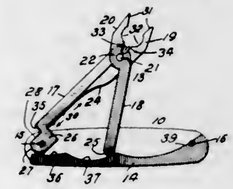
A wheel consisting of opposed sheet metal members each including a central concentric frusto-conical portion extending laterally, spoke sections projecting radially, an annular rim portion, the two sheet metal members being disposed with their spoke sections and rim portions in contact, frusto-conical cups surrounding and

frictionally engaging the hub portions 3 and having apertured recessed outer ends, a sleeve seated within the



apertures and having its ends upset, said sleeve constituting means for holding the cups assembled with the hub portions and for binding the spoke sections together.

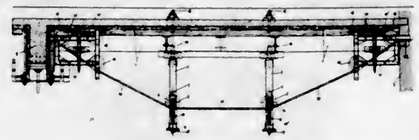
1,467,661. TOOL. CHARLES UNDY, Newark, N. J., assignor to Valley Forge Cutlery Company, Newark, N. J., a Corporation of New Jersey. Filed Sept. 21, 1922. Serial No. 589,556. 4 Claims. (Cl. 7—11.)



1. A tool of the character described, comprising a handle of pocket-knife handle type having a backspring, and a pair of pliers one of whose handle members is formed at its outer end with a tang which is pivotally secured in one end of said handle and in cooperative relation to said spring, said handle being adapted to have said pair of pliers folded into it, and said pair of pliers comprising two handle members, one being the one pivoted to said handle and the other being free for manual operation, and a leaf-spring acting normally to maintain the plier members in open position, and said tang being offset from the inner edge of its handle member to form a space along said edge to accommodate said leaf-spring and to receive said free handle member when said handle members are in closed relation.

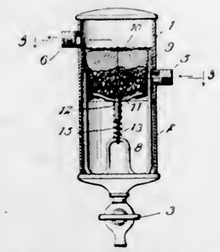
1,467,662. CONCRETE-MOLD SUSPENSION DEVICE. WILLEM VAN AALST, Mortsel, near Antwerp, Belgium. Filed Aug. 21, 1922. Serial No. 583,328. 3 Claims. (Cl. 18—131.5.)

1. In a suspension device for supporting wooden and like framework for concrete beams, joists, ceilings and the like extending over a relatively large span, the combination of a pair of vertical steelwork supporting frames for the central portion of the span, having each a pair of rollers fitted at the base; a pair of substantially rectangular steel work bracket frames attachable to the permanent end supports having each a pair of guide-sheaves and a pair of turn-back sheaves in diagonally opposed corners, the last-named sheaves being situated in the upper corner adjacent the corresponding permanent end-support; a pair of suspension cables, each ex-



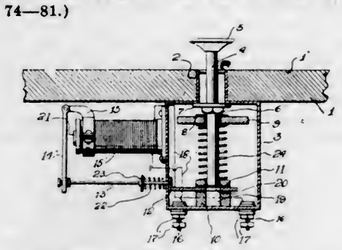
tending between corresponding rollers of the supporting frames and from each of the latter to the corresponding bracket frame, passing under the guide sheave and round the turn-back sheave towards the centre of the span; and combined adjustable means for securing the ends of each cable to the opposed bracket frames and applying a tension in a horizontal direction to said cable; substantially as described.

1,467,663. FILTER. CHARLES SCRIBNER WHITE, Coupeville, Wash. Filed Mar. 27, 1922. Serial No. 547,234. 4 Claims. (Cl. 210—165.)



1. A filter comprising a casing having opposed inlet and outlet connections and a drain in its bottom, a holder within and resting upon the bottom of the casing, a circular frame supported on the upper end of the holder, a strainer arranged over and secured to the upper marginal portions of the frame, porous material within the frame abutting the strainer, and means supported upon the holder engaging the porous material for yieldably retaining the same in the circular frame and engaging said strainer.

1,467,664. LOCKING DEVICE FOR AUTOMOBILE STARTERS. LAURIE W. YONGE, Jacksonville, Fla. Filed June 22, 1922. Serial No. 570,079. 5 Claims. (Cl. 74—81.)



1. A pedal locking device of the character described, comprising a casing fixedly secured to the underside of an automobile flooring, a spindle with a pedal fixedly secured to its upper end, a slotted locking member secured

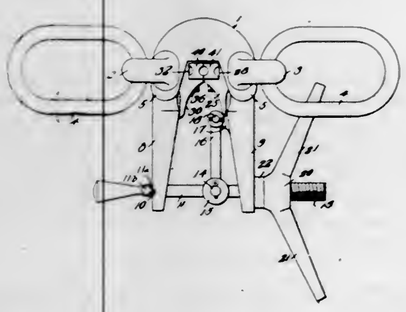
within said casing, a locking plate fitted within the casing having an opening therethrough, and means secured to the outerside of the casing for automatically moving said locking plate back and forth.

1,467,665. PNEUMATIC TIRE. NATHANIEL G. WARTH, Gallipolis, Ohio. Filed Feb. 21, 1920. Serial No. 360,293. 1 Claim. (Cl. 152—33.)



A pneumatic tire comprising, in combination, a casing, said casing being of normally oblate form in cross section and unrestricted at its sides, a band on the tread side of said casing said band being circumferentially inexpansible but radially flexible and substantially straight and rigid in cross section and adapted to prevent radial expansion of the casing from its normal oblate form by inflation, a soft cushion tread portion superimposed on said band, said band protruding at its edges beyond the planes of the sides of said casing and protecting said sides from abrasion, substantially as described.

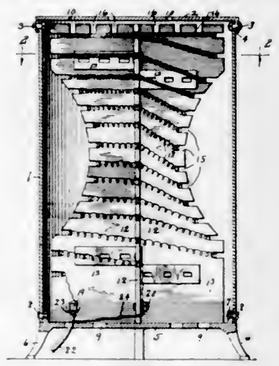
1,467,666. CABLE CLAMP FOR WELL-DRILLING RIGS. ORAL C. ZUCK, Okmulgee, Okla. Filed Dec. 14, 1922. Serial No. 606,992. 7 Claims. (Cl. 24—132.)



1. A rope clamp having pivotally mounted jaws provided with operating arms, a swinging bolt carried by one arm for engagement with a slot in said arm at a point spaced outwardly from its pivotal connection with said bolt, a latch having means for locking engagement with the other arm, said last mentioned arm and said latch, one having a notch and the other a knife edge for interengagement to interlockingly connect said members.

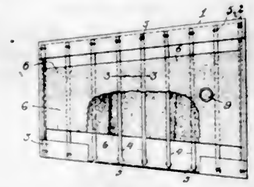
1,467,667. ELECTRIC HEATER. CLARENCE E. BARR, Detroit, Mich., assignor of one-fourth to Florence King Allen, one-fourth to William M. Mervin, and one-half to Thomas E. Jackson, all of Detroit, Mich. Filed Apr. 18, 1921. Serial No. 462,130. 3 Claims. (Cl. 219—63.)

1. In a heater, the combination of a cylindrical shell, a perforated top and bottom therefor, a series of radial supports of non-conducting material within the shell having notches in their outer vertical edges, and a coiled



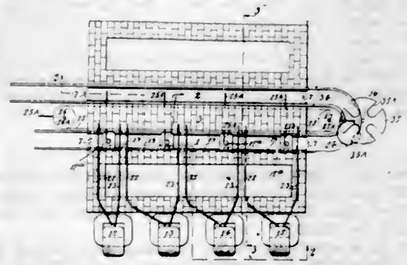
heating wire wound around the support and held in these notches, the outer upright edges of the supports being concave.

1,467,668. OILING SLEEVE. EVERETT CABLE FURNAS, Lima, Ohio. Filed Aug. 22, 1922. Serial No. 583,592. 6 Claims. (Cl. 267—37.)



6. An oil sleeve for semi-elliptical springs, comprising a water-proof outer body, a plurality of bendable bars arranged interiorly of said body and extending transversely thereof, said bendable members being connected with the body adjacent the opposite edges thereof, a pad arranged on the inner face of said body with layers on opposite sides of said bendable members, and means for connecting said layers together in such a manner as to connect the pad to said bendable members.

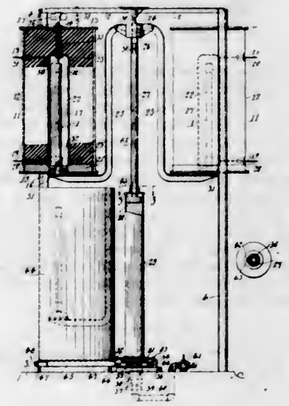
1,467,669. FURNACE FOR THE HEAT TREATMENT OF METALS. LYMAN C. JOSEPHS, Jr., Allentown, Pa., and GOTTFRIED WIRRER, Plainfield, N. J., assignors to International Motor Company, New York, N. Y., a Corporation of Delaware. Filed Oct. 9, 1920. Serial No. 415,804. 15 Claims. (Cl. 266—4.)



1. In a furnace for the heat treatment of metals, the combination of a heating chamber, means to move progressively through the chamber the article to be heat

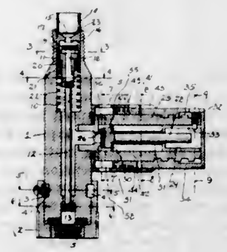
treated, contact rails to deliver electric current to the article as it is moved through the chamber, and means to supply electric current to such rails.

1,467,670. FURNACE FOR THE HEAT TREATMENT OF METALS. LYMAN C. JOSEPHS, Jr., Allentown, Pa., and GOTTFRIED WIRRER, Plainfield, N. J., assignors to International Motor Company, New York, N. Y., a Corporation of Delaware. Filed Oct. 9, 1920. Serial No. 415,805. 23 Claims. (Cl. 266—4.)



1. In a furnace for the heat treatment of metal, the combination of means to effect a change in the heat treatment and devices subject to a change in the rate of change of dimension of the article under treatment whereby the actuation of said means is initiated.

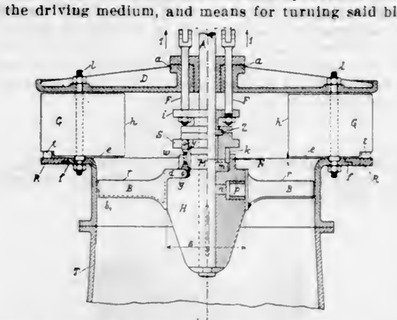
1,467,671. DEVICE FOR INFLATING TIRES AND THE LIKE. JACOB W. KAISER, Cleveland, Ohio. Filed Dec. 20, 1920. Serial No. 431,865. 6 Claims. (Cl. 152—165.)



1. In a device of the character described, the combination of a main body provided with a coupling at one end adapted to secure the device to a tire-valve or the like; a longitudinally displaceable member in said body having an extension normally projecting beyond the other end of said body; and an inwardly opening check valve carried by said displaceable member.

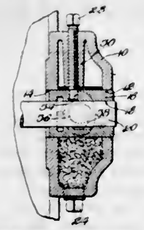
1,467,672. TURBINE. VICTOR KAPLAN, Brunn, Austria. Filed Sept. 1, 1921. Serial No. 497,680½. 6 Claims. (Cl. 253—155.)

1. In a turbine, the combination with a guide-wheel having guide-vanes, of a runner comprising a hub and movable blades thereon for substantially axial admission of the driving medium, and means for turning said blades



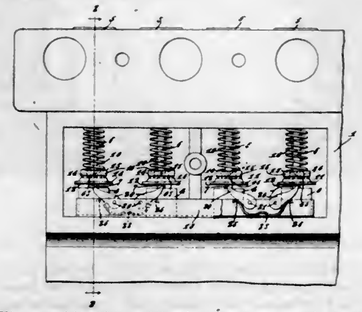
while in operation for adjusting the angles of entrance and discharge.

1,467,673. BEARING. CARLTON L. KENNEDY, Braintree, Mass., assignor to The Holtzer-Cabot Electric Company, Roxbury, Mass., a Corporation of Massachusetts. Filed Nov. 1, 1922. Serial No. 598,319. 2 Claims. (Cl. 64—24.)



1. A self-oiling bearing for motor shafts and the like comprising a bearing block, a housing embracing the bearing block and constituting an oil reservoir, two oil passages in the bearing block spaced apart, and a longitudinal oil groove in the bearing surface of the bearing block, the oil passages and oil groove being all located at some distance from both ends of the bearing surface and the longitudinal oil groove being arranged with respect to the direction of rotation of the shaft to collect the surplus oil as it is supplied to the shaft through one of the oil passages and to permit it to be returned by the rotation of the shaft through the oil groove and the second passage into the oil reservoir.

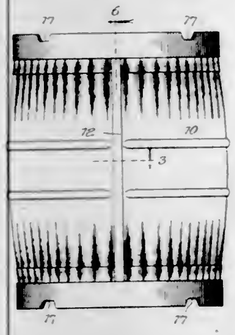
1,467,674. ROTARY VALVE ATTACHMENT. JAMES ALFRED KIDD, Petersburg, Va., assignor of one-third to Stanley F. Mason, Petersburg, Va. Continuation of application Serial No. 490,371, filed Aug. 6, 1921. This application filed Sept. 21, 1921. Serial No. 502,154. 4 Claims. (Cl. 123—90.)



1. The combination with the crank case of an engine, stems mounted for reciprocation and for rotation, and

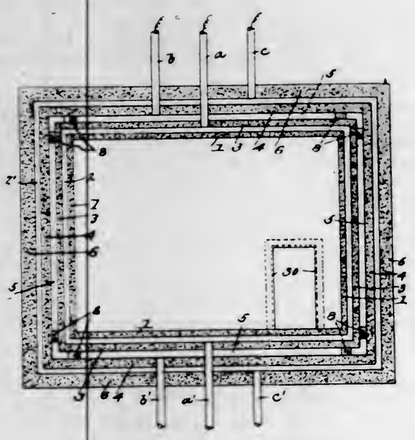
valves on the stems, of ratchet wheels on the stems and having oppositely slanting teeth; oppositely extended pawls cooperating with the teeth of the ratchet wheels; a single resiliently supported spring coacting with both pawls and with the crank case to hold said pawls in operative relation to the ratchet wheels; and means for mounting the pawls for pivotal movement.

1,467,675. CONTAINER. JOHN H. KILLION, Chicago, Ill. Filed July 2, 1921. Serial No. 482,023. 2 Claims. (Cl. 220—75.)



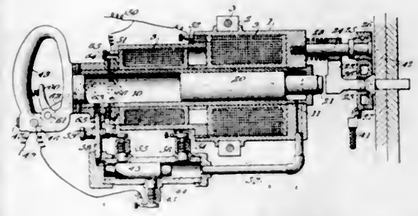
1. In a container, a hollow barrel formed from a sheet, the ends of the sheet meeting on a longitudinal line, said ends reversely facing from said line, a member slidable longitudinally over said ends, the ends of said barrel being substantially cylindrical, a head for said container and means for retaining the head therein including an integral flange passing over the edge of said barrel, said flange retaining said member against endwise movement.

1,467,676. CONCRETE STORAGE PLANT, REFRIGERATOR, AND THE LIKE. SIMON LAKE, Milford, Conn. Filed Aug. 12, 1918. Serial No. 249,474. 6 Claims. (Cl. 72—16.)



2. A concrete conservation structure having an outside double wall and an inside double wall rendered impervious to air and moisture and spaced apart, and interconnecting means for the outer and inner double walls arranged in the separating space and serving to maintain said space.

1,467,677. ELECTRIC HAMMER. SIMON LAKE, Milford, Conn. Filed Mar. 5, 1920. Serial No. 363,514. 5 Claims. (Cl. 172—126.)



4. In an electric hammer, a casing, a pair of electromagnets arranged therein, a tube arranged axially of said magnets, a plunger core mounted in said tube for reciprocation therein under the influence of said magnets and adapted to compress air at each end of said tube alternately during reciprocation, and means for alternately energizing said magnets comprising a cylinder provided with a reciprocable switch member and a plurality of contacts adapted to be engaged by said switch member, said switch member being reciprocated in said cylinder by the air compressed by said core to alternately make and break the circuits through said electromagnets by engagement with said contacts in timed relation to the reciprocation of said core.

1,467,678. WRENCH. RICHARD MACKIN, Boston, Mass. Filed Apr. 6, 1922. Serial No. 550,204. 1 Claim. (Cl. 81—157.)

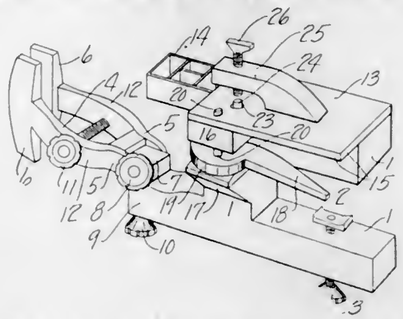


In a wrench of the class described, a stationary jaw having a shank; a handle to which said jaw shank is secured; a movable jaw adapted to slide on said shank having a threaded extension adapted to enter a recess in said handle; an adjusting nut normally in engagement with said threaded extension and normally operable to regulate the opening between said jaws; a slidable plate on which said nut is revolubly mounted and having an end upwardly turned at approximately right angles thereto to form an abutment for a spring; said jaw shank having a shoulder adapted to slidingly retain said plate in operative position; and a coiled spring interposed between said abutment and said shank whereby said nut is normally held in engagement with said threaded extension.

1,467,679. RIVETING DEVICE. PETER D. MCNAUGHTON, Dighton, Mich. Filed Oct. 3, 1921. Serial No. 504,922. 1 Claim. (Cl. 218—1.)

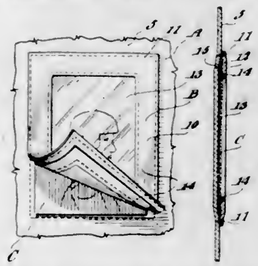
A riveting device, comprising, in combination, a base block provided with means for securing the same to a support, a work support mounted on top of said base block provided at its free edge with a portion extended over the base block and with an aperture adapted to receive a rivet setting pin, vertically spaced bolsters

mounted on the base block beneath the free edge of the work support, the upper bolster being in contact with the said free edge of said work support, a rivet setting pin actuating lever pivoted for horizontal movement between said bolsters, the pivoted end of said lever being circular in form and having a wedge shaped circular cam on its under face near the periphery of the circu-



lar end, a stud on the lower bolster, cooperating with said wedge shaped circular cam of the lever, a rivet setting pin slidable in the aperture in said work support with its lower end riding upon the circular end of the lever, an arbor mounted on the work support and extending over said rivet setting pin, and an adjustment screw passed vertically through said arbor and aligned with said rivet setting pin.

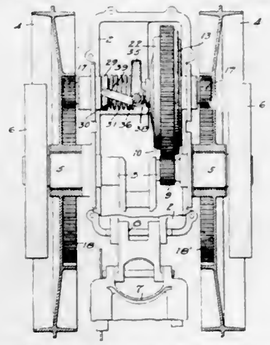
1,467,680. PENNANT EMBODYING PICTURE FRAME. CINCO S. ODA, Boston, Mass., assignor of one-half to Peter N. Fisher, Boston, Mass. Filed Jan. 26, 1921. Serial No. 440,100. 1 Claim. (Cl. 40—159.)



A display device comprising a main body portion of fabric capable of being readily flexed or waved, a relatively smaller frame of fabric capable of being readily flexed or waved, said frame having a sight opening and secured to the main body portion at the outer margin of the frame, said main body portion having a slit adjacent one of the margins of the frame providing an opening from the back of the main body portion to the rear of the frame, and a photograph or like picture on material capable of being flexed or waved disposed between said main body portion and frame, the photograph or like picture being visible through the sight opening of the frame.

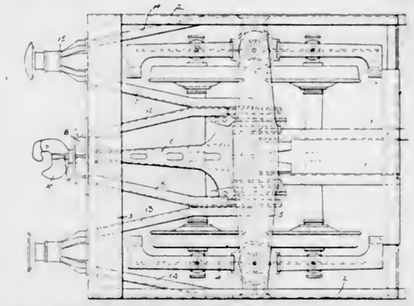
1,467,681. CLUTCH-CONTROLLING MEANS. CORNELIUS A. PETERS, Minneapolis, Minn., assignor, by mesne assignments, to Beeman Tractor Company, Minneapolis, Minn., a Corporation of Minnesota. Filed May 13, 1918. Serial No. 234,086. 7 Claims. (Cl. 192—99.)

7. The combination, with a shaft, of a clutch mounted thereon and comprising outer and intermediate members, one being fixed and the others having an axial movement toward and from said fixed member, a spring arranged on said shaft at one side of said clutch and having a bearing at one end one on one of said mov-



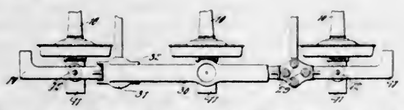
able members, a rocking member arranged to straddle said shaft on one side of said spring, a sliding member on the other side of said spring, and means connecting said rocking and sliding members.

1,467,682. TRANSOM DRAFT GEAR. HARRY M. PFLAGER, St. Louis, Mo., assignor to Commonwealth Steel Company, St. Louis, Mo., a Corporation of New Jersey. Filed June 14, 1921. Serial No. 477,530. 1 Claim. (Cl. 105—420.)



In a railway car, an end sill, a bolster spaced from the end sill, longitudinally extending spaced center sills terminating at the bolster, a draft gear mounted on the bolster adjacent to said center sills, a center buffer block on the end sill, side buffers mounted on the end sill on opposite sides of the center buffer block, struts extending from the center buffer block diagonally towards the bolster, and struts secured to the bolster at points near the termination of the center sills and extending and secured to the end sill adjacent the side buffers.

1,467,683. SIX-WHEEL CAR TRUCK. HARRY M. PFLAGER, St. Louis, Mo., assignor to Commonwealth Steel Company, St. Louis, Mo., a Corporation of New Jersey. Original application filed May 26, 1921, Serial No. 472,826. Divided and this application filed May 16, 1922. Serial No. 561,429. 4 Claims. (Cl. 105—195.)



1. In a six wheel car truck, a side frame in two parts, each part being flexibly connected to and resting upon the middle journal box of the truck and one of the outer

journal boxes, means integral with each side frame part for supporting parts of the brake gear associated with the truck, and a spring supported equalizer carried by said side frame parts.

1,467,684. SIX-WHEEL CAR TRUCK. HARRY M. PFLAGER, St. Louis, Mo., assignor to Commonwealth Steel Company, St. Louis, Mo., a Corporation of New Jersey. Filed May 26, 1921. Serial No. 472,826. 47 Claims. (Cl. 105—195.)



1. In a six wheel car truck, a side frame formed in two parts, each part being carried by the middle journal box of the truck and one of the outer journal boxes, and having universal operative connections therewith, an equalizer member, and springs interposed between the parts of the side frame and said equalized member.

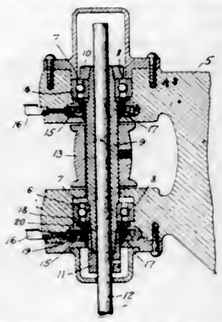
1,467,685. SHIFTING STRAP FOR AGRICULTURAL IMPLEMENTS. SPENCER H. PHELPS, Minneapolis, Minn., assignor, by mesne assignments, to Beeman Tractor Company, Minneapolis, Minn., a Corporation of Minnesota. Filed May 24, 1919. Serial No. 299,551. 8 Claims. (Cl. 287—1.)



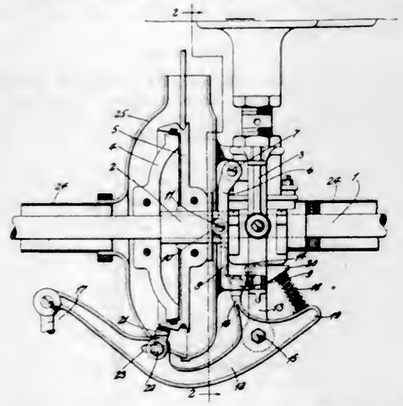
1. A universal joint connection comprising a shank having a pivoted horizontal bearing and a rod having a comparatively long vertical bearing in said shank.

1,467,686. APPARATUS FOR LUBRICATING BALL BEARINGS. HARRY R. REYNOLDS, New Britain, Conn., assignor to The Fafnir Bearing Company, New Britain, Conn., a Corporation of Connecticut. Filed Sept. 17, 1921. Serial No. 501,342. 1 Claim. (Cl. 64—56.)

In a device of the character described, a support, a rotary shaft, a ball bearing including an outer bearing ring on said support, an oil reservoir below said ball bearing for carrying a supply of lubricant, an oil slinging projection on said shaft for receiving lubricant from said reservoir and directing it outwardly during the rotation of said shaft and against an inner surface of said support for causing the oil to splash and break up into fine particles so as to create an oil mist in the region of said ball bearing for lubricating the latter, the outer edge of said oil slinger projecting outwardly beyond the inner periphery of the outer bearing ring and lying adjacent thereto, whereby the direct splash of the lubricant from the inner surface of the support to the ball bearing proper is prevented and the bearing lubricated by the oil mist created as aforesaid.



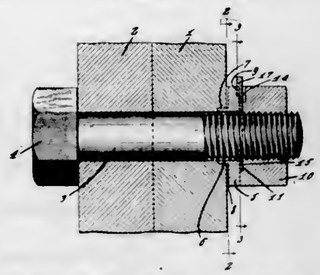
1,467,687. TRANSMISSION APPLIANCE. ARTHUR W. RIVETT and BENJAMIN WEINBERGER, St. Louis, Mo., assignors to Marx & Haas Clothing Co., St. Louis, Mo., a Corporation of Missouri. Filed Jan. 29, 1923. Serial No. 615,764. 8 Claims. (Cl. 192—17.)



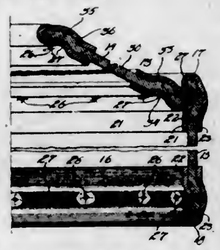
1. In a mechanism of the character described, a stationary bearing, a shaft journaled for rotation in said bearing, a clutch member attached to the shaft, a pulley mounted on said bearing for rotary and sliding movements, a pivoted lever, a thrust member between said lever and said pulley for moving said pulley into engagement with said clutch member, an additional lever for operating the first-named lever to move the pulley into engagement with the clutch member, a brake supported by said additional lever for engaging said pulley, and a spring for operating said second lever in a direction to release the first lever and to set the brake against the pulley.

1,467,688. LOCK NUT. LOUIS MARTAIN SABTAIN, Pelham, Tenn. Filed Feb. 9, 1922. Serial No. 535,320. 1 Claim. (Cl. 151—33.)

In a nut lock, a bolt, a washer on the bolt and provided in its edge with a recess, the inner surface of the washer being provided with radial ribs, and the washer having a projecting polygonal neck, the neck and the ribs coacting with the material through which the bolt passes to hold the washer against rotation, a nut threaded on the bolt and provided in its inner surface with an annular seat, the nut being supplied in its inner surface with a notch, the notch being deeper than the seat and communicating therewith, and a ring received in the seat of the nut, the ring including a spring tongue having a transversely projecting head, the tongue and the head being received in the notch of the nut, and the head being engaged with the recess of the washer by the resiliency of the tongue, the notch of the nut being adapted to receive the tongue, thereby to disengage the head from the recess of the washer.

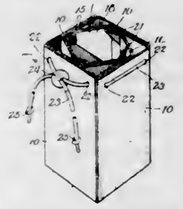


1,467,689. LAMP SHADE. ADOLPH SCHERER, Philadelphia, Pa. Filed Jan. 19, 1922. Serial No. 530,259. 5 Claims. (Cl. 240—108.)



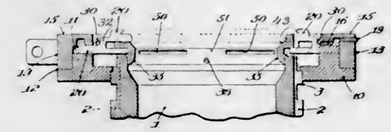
1. A lamp shade comprising a wall of depressible material and metallic edge bands on the top and bottom of the wall, parts of the bands being depressed into the wall to bind the bands thereon and a supporting element engaging in said depressed portion, substantially as described.

1,467,690. FOLDABLE RECEPTACLE FOR GAMES AND OTHER ARTICLES. MATILDA C. SCHWARZ, Freeport, Ill. Filed Nov. 3, 1921. Serial No. 512,426. 2 Claims. (Cl. 229—31.)



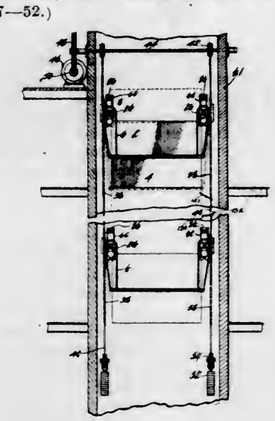
2. A foldable receptacle comprising a sheet of stiff, flat material and consisting of a central, rectangular portion, lateral rectangular portions projecting from all four sides thereof, and intermediate rectangular portions joining said lateral portions, said central portion and the other portions having hinge like connections with one another, a cord threaded in through eyes located in said lateral portion and out through eyes in said intermediate portions at places adjacent the hinge like connections therebetween and an eye member through which the ends of said cord extend in opposite directions, said cord acting, when its ends are drawn through said eye member, to fold said lateral portions of the sheet upward into a four sided receptacle with the intermediate portions tucked into the hollow of the receptacle.

1,467,691. WEB-HOLDER MECHANISM FOR KNITTING MACHINES. ROBERT W. SCOTT, Babylon, N. Y. Filed Apr. 9, 1920. Serial No. 372,387. 22 Claims. (Cl. 66—26.)



1. A knitting machine having therein needles, web-holders, and bearing means for supporting the web-holders against thrusts communicated to them in opposite directions by the needles acting through fabric in contact with the needles and web-holders, said bearing means comprising surfaces severally lying across the directions of thrust and on both sides of the centers of effort thereof, whereby to prevent fore and aft turning stresses upon the web-holder.

1,467,692. ELEVATOR-DOOR-CONTROLLING MEANS. RUMSEY W. SCOTT, Montclair, N. J., assignor to Elevator Supplies Company, Inc., a Corporation of New Jersey. Filed Apr. 11, 1916. Serial No. 90,298. Renewed Oct. 29, 1921. Serial No. 511,441. 40 Claims. (Cl. 187—52.)

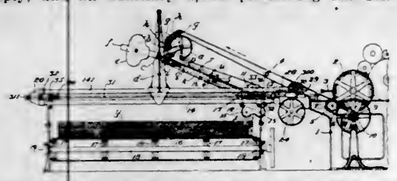


25. Elevator door controlling means comprising normally inoperative power operated means extending vertically through the elevator shaft and movable in opposite directions, door operating mechanism at each floor, means for connecting any door operating mechanism wth said power operated means, and means including frictional driving means for causing a predetermined movement of said door in whichever direction selected and then automatically disconnecting said power operated means from said door operating mechanism.

1,467,693. LAPPING MACHINE. CHARLES E. T. SCRIBNER, Medford, Mass. Filed May 26, 1922. Serial No. 564,000. 23 Claims. (Cl. 19—163.)

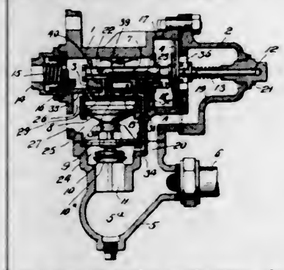
5. The combination with a run-out apron for fleece or sliver, and means for traversing the delivery portion of the run-out apron back and forth, of a horizontally movable guide or take-up roll for the run-out apron, located normally adjacent the middle of the traverse, and around

and under which the run-out apron doubles back upon itself in the traversing movement toward the source of supply, and an auxiliary apron paralleling the delivery



portion of said run-out apron from a point adjacent the said guide or take-up roll, and adapted to confine and support the fleece or sliver while said delivery portion is doubled back under.

1,467,694. FLUID-PRESSURE BRAKE MECHANISM. EDWARD G. SHORTT, Carthage, N. Y. Filed Nov. 10, 1922. Serial No. 600,077. 9 Claims. (Cl. 303—65.)

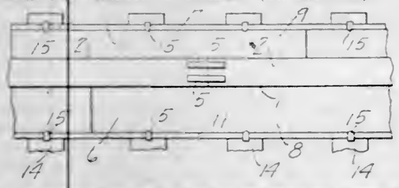


1. In a fluid pressure brake mechanism, the combination with a triple-valve casing, piston, slide valve, graduation valve, slide valve seat, emergency piston and valve arranged with chambers on both sides of said piston, of means consisting of a feeding passageway for conveying pressure from brake pipe to one side of the emergency piston after an emergency application has been made and brakes are set and quickly restoring the pressure in auxiliary reservoir and brake cylinders.

1,467,695. LUBRICATING OIL AND THE MANUFACTURE THEREOF. JAMES EDWARD SOUTHCOMBE, Birkenhead, and HENRY MATTHEW WELLS, London, England. Filed May 28, 1921. Serial No. 473,306. 2 Claims. (Cl. 87—9.) (Granted under the provisions of the act of Mar. 3, 1921, 41 Stat. L., 1313.)

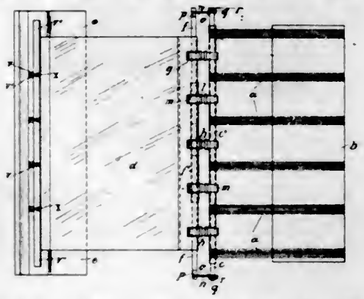
1. The process of manufacturing lubricating oils which consists in refining crude hydrocarbon oils by acid treatment to remove undesirable impurities but to leave after washing out mineral acid a finished oil containing a material amount of organic acid, namely less than two per cent, but enough to reduce the frictional coefficient of said oil by a substantial amount.

1,467,696. SAFETY RAIL FOR RAILROADS. WILLIAM PLEASANT STEWART, Pueblo, Colo. Filed May 11, 1923. Serial No. 638,205. 2 Claims. (Cl. 238—17.)



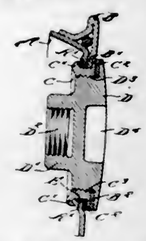
1. A combination rail of the class described, comprising a main, central rail, including a ball portion and a depending central web; guard rails at either side of the main rail, said guard rails being formed channel-like with upstanding inner and outer flanges, the inner flanges being of a height sufficient to cover the interposed web of the main rail; and independent means for locking the ends of the main rails together.

1,467,697. WARP HOLDER. OSKAR TANDLER and GUSTAV TANDLER, Crimmitschau, Germany. Filed Jan. 3, 1922. Serial No. 526,705. 3 Claims. (Cl. 28—22.)



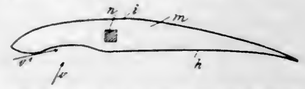
1. In a warp holder, in combination, a rod adapted to be attached to the end of a warp, a second rod adapted to be secured to the beam by flexible means, releasable metal clamps connecting said rods and consisting each of a metal strip so bent as to form hinged eyelets on both its ends, slidable metal collars adapted to engage the ends of said strip, and hold said clamps in a clamping position, and disengageable metal clips adapted to connect the ends of said rods, substantially as set forth.

1,467,698. BUNG FOR BARRELS. OWEN THOMAS, Cleveland, Ohio, assignor to The Hydraulic Pressed Steel Company, Cleveland, Ohio, a Corporation of Ohio. Filed Nov. 29, 1919. Serial No. 341,377. 4 Claims. (Cl. 220—39.)



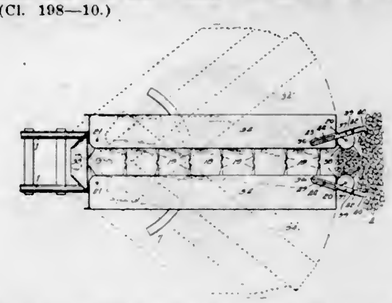
1. The combination with a sheet metal barrel having an opening, of a bung ring inserted in said opening having an exterior flange, a chime ring arranged upon said barrel and engaging a portion of said bung, and a brazing ring arranged between the barrel and bung and uniting said parts.

1,467,699. WING FOR WINDMILLS AND WIND MOTORS. POUL VINDING and RASMUS JOHANNES JENSEN, Copenhagen, Denmark. Filed June 25, 1919. Serial No. 306,688. 2 Claims. (Cl. 170—81.)



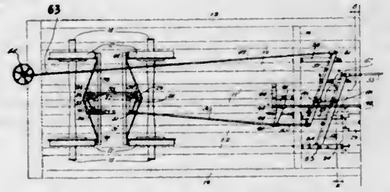
1. A wind-motor wing having a cross-section with a relatively thick leading-portion terminating, at front, in a blunt edge and tapering into a sharp edge towards the rear, the said cross-section being shaped in accordance with the stream-lines of the air passing the wing.

1,467,700. LOADER. FRANK N. WILSON, St. Louis, Mo. Filed Jan. 18, 1922. Serial No. 530,183. 4 Claims. (Cl. 198—10.)



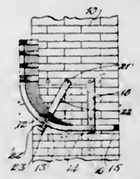
2. In a machine of the type set forth, an endless conveyor, a rotary member over which the conveyor engages, gathering means, means to operate the gathering means, and a common mounting for the rotary member and for said operating means of the gathering means.

1,467,701. BRAKE APPARATUS FOR RAILWAY AND OTHER VEHICLES. HARLEY E. ANDERSON, Chicago, Ill., assignor to The Anderson Brake Appliance Company, Chicago, Ill., a Corporation of Illinois. Filed Mar. 12, 1921. Serial No. 451,918. 8 Claims. (Cl. 188—107.)



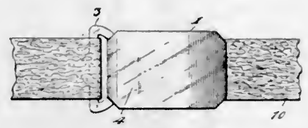
1. In a railway brake apparatus, in combination with the brake beams and shoes, the operating devices therefor, and the air brake system which includes the brake cylinder and the lever mechanism positively connected with said operating devices; a hand-operated brake element; power augmenting means comprising a fixed lever and a floating lever pivotally connected together and operatively connected with said hand-operated brake element and with the aforesaid operating devices and operable to transmit through said operating devices to the brake beams and shoes a braking power augmented over that applied to the hand-operated brake element; and yielding connections interposed in the connections between the hand-operated brake element and said air brake lever mechanism for preventing transmission of power from the air brake cylinder to said hand-operated brake element; substantially as specified.

1,467,702. GRATE. ERNEST A. BARFIELD, Macon, Ga. Filed Feb. 2, 1923. Serial No. 616,506. 5 Claims. (Cl. 126—162.)



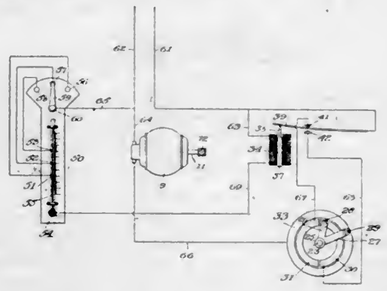
1. The combination with a grate including a front fixed portion and a bottom tilting portion, each of said portions consisting of parallel bars, the bars of the bottom portion resting on the lower ends of the bars of the front portion upon the grate being positioned for burning fuel; of a cleaning frame including elements passing between the bars of the bottom and front of the grate, said cleaning frame being swingingly mounted in position relative to the grate to permit passage of said elements between said bars.

1,467,703. BELT BUCKLE. FRANK E. BECKER, New York, N. Y. Filed Nov. 18, 1921. Serial No. 516,098. 7 Claims. (Cl. 24—191.)



1. In combination, a clamping device comprising a pivoted eccentric member, said member having a surface substantially concentric with said pivot, and a member for frictionally engaging said surface to cause rotation of said eccentric member.

1,467,704. ELECTRICALLY-CONTROLLED MECHANISM. MICHAEL J. BRIERTY, Chicago, Ill. Filed Sept. 11, 1922. Serial No. 587,466. 7 Claims. (Cl. 236—78.)

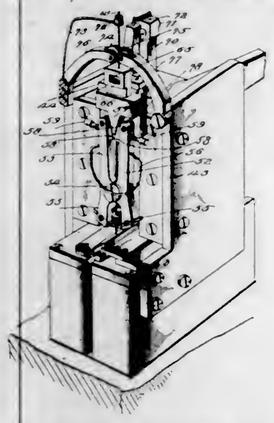


1. The combination with a source of electric current, of an electric motor, a shaft driven from the motor, a contact-making-and-breaking device constructed and arranged to make and break circuit under changes in the temperature of the atmosphere surrounding it, a solenoid controlled by the position of said device, the core of said solenoid being operated in one direction when the solenoid is energized and automatically movable in the opposite direction when the solenoid is de-energized, a second electrical contact device actuated by said core, and a third electrical contact device actuated from said motor and the flow of current to which is controlled by said second contact device, said second and third contact devices being constructed and arranged to intermittently direct the current from said source through the motor to produce partial successive rotations of said shaft in the same direction under variations in temperature of the atmosphere surrounding said last-referred-to device.

1,467,705. WIRE FEEDING AND CUTTING MECHANISM FOR LATCH-NEEDLE-MAKING MACHINES. JOHN A. CALDER, Torrington, Conn., assignor to The Torrington Company, Torrington, Conn., a Corporation of Connecticut. Filed July 30, 1921. Serial No. 488,599. 7 Claims. (Cl. 140—130.)

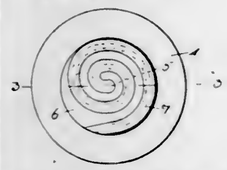
1. A wire feeding and cutting mechanism for latch needle making machines comprising a frame, a slide reciprocable therein, cutter bars movably mounted on

said slide and adapted to grip said wire to feed the same forwardly, and means for putting a tension on the wire



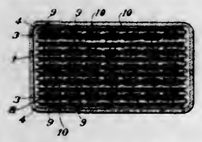
comprising two opposed rolls arranged in the line of feed of the wire, and means for resiliently pressing said rolls together.

1,467,706. CAN-TOP VENT. JOHN F. COLLINS, Philadelphia, Pa. Filed Apr. 15, 1922. Serial No. 552,970. 3 Claims. (Cl. 220—44.)



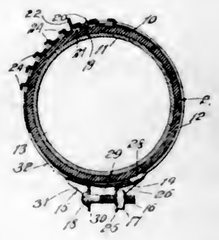
1. A can top vent consisting of a top or cap having a hole through its top wall centrally thereof and a plate having a convolute corrugation therein with its outer end terminating at the edge of the plate to produce a mouth and its inner end terminating substantially in the center of said plate, said plate being fixed to the outer surface of the top wall of the cap with the inner end of the corrugation overlying the hole in the cap, said corrugation forming with the cap a convolute air channel to provide a circuitous communication between the interior of a container and the atmosphere.

1,467,707. STORAGE BATTERY. THOMAS R. COOK, Pittsburgh, Pa., assignor to The Westinghouse Union Battery Company, Swissvale, Pa., a Corporation of Pennsylvania. Filed Jan. 16, 1922. Serial No. 529,757. 2 Claims. (Cl. 204—29.)



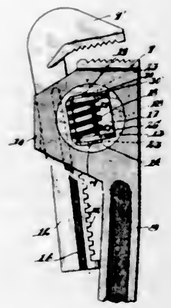
2. A storage battery comprising a jar containing positive and negative plates and a liquid electrolyte, the outside surface of an outside negative plate being provided with vertical ribs which form vertical passageways for the downward flow of electrolyte between such plate and the adjacent wall of the jar, the inside plates not being provided with such ribs.

1,467,708. CLAMP. HENRY J. COOPER, Brooklyn, N. Y. Filed Apr. 21, 1919. Serial No. 291,610. 4 Claims. (Cl. 24—19.)



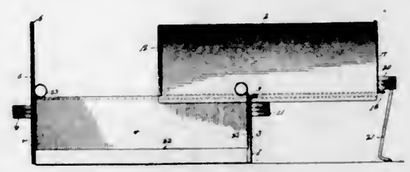
1. A clamp of the character described, comprising two substantially co-extensive parti-cylindrical flexible sheet metal members forming the body-portion of the clamp and each defining less than a circle, opposed heads at adjacent ends of said members, means for acting on said heads for drawing the same toward each other and tightening the clamp upon the article to which it may be applied and which means serve to swivel said members together so that without detaching the parts said members may be turned outwardly from and finally inwardly to overlap each other, and interlocking means on said members at portions thereof removed from said heads for adjustably securing said members one on the other and adapting the clamp to articles varying in diameter, after which the final tightening of the clamp on the article is effected by the drawing of the aforesaid heads toward each other, each of said members defining more than a half circle so as to permit adequate overlapping of the ends thereof removed from said heads and the adjustment of said members with relation to the varying diameters of the articles to which the clamp may be applied.

1,467,709. WRENCH. JOHN PATRICK COUGHLIN, Chicago, Ill. Filed Oct. 4, 1919, Serial No. 328,548. Renewed July 14, 1923. 5 Claims. (Cl. 81—105.)



1. A wrench comprising a shank having a stationary jaw at one end thereof; a movable jaw co-operating with said stationary jaw; a sleeve secured to said shank at one side thereof; a toothed shank secured to said movable jaw and extending through said sleeve parallel with said first mentioned shank; a circular nut case rotatably mounted in said sleeve and slidably engaging said toothed shank to permit rocking thereof in said sleeve; and a disengageable laterally movable spiral nut mounted in said circular nut case and normally operatively engaging said toothed shank, substantially as described.

1,467,710. COOKING VESSEL. GEORGE B. CULPEPPER, Fort Valley, Ga. Filed Mar. 19, 1923. Serial No. 626,166. 10 Claims. (Cl. 53—6.)



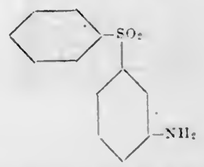
10. A cooking vessel of the class described involving an article receiving section and a cover section thereof, means including a joint formed at the junction of said separable sections for slidably uniting the same, and means provided on said vessel and adapted to overlie the said joint for providing a substantially continuous and uninterrupted cooking interior.

1,467,711. PROCESS FOR THE MANUFACTURE OF INTERMEDIATE PRODUCTS AND NEW DYESTUFFS DERIVED FROM DIARYLSULPHONES. GUILLAUME DE MONTMOLLIN, Basel, Switzerland, assignor to Society of Chemical Industry in Basle, Basel, Switzerland. Filed Apr. 23, 1923. Serial No. 634,182. 3 Claims. (Cl. 260—90.)

3. The herein described new dyestuffs obtained by uniting the diazo-derivatives of the sulfonated ortho-amino-diarylsulphones with non-sulfonated aromatic amines other than primary amines containing at least 12 atoms of carbon all belonging to aromatic nuclei and corresponding to the general formula:

$$R_1—N=N—R_2$$

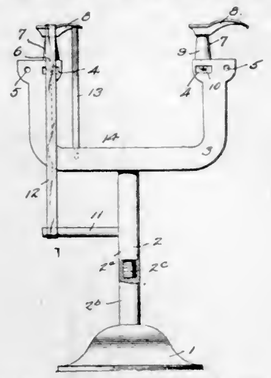
in which R_1 represents the radicle of a sulfonated diarylsulphone, and R_2 that of a non-sulfonated aromatic amine other than a primary amine containing at least 12 atoms of carbon all belonging to aromatic nuclei, which may be split under the action of reducing agents into sulfonated o-amino-diarylsulphones containing the characteristic group:



and non-sulfonated aromatic diamines, constituting in a dry state powders varying from orange to brown, dissolving in water from orange to bluish-red solutions, and in sulfuric acid from yellow to brown and violet solutions, and dyeing wool in an acid bath bright tints varying from orange to bluish-red of an excellent fastness to light and to washing.

1,467,712. SHOE JACK. JOHN DE SANCTIS, Hubbard, Ohio. Filed Feb. 24, 1922. Serial No. 538,836. 2 Claims. (Cl. 12—123.)

1. In a device of the character described, a base, a standard rigidly secured thereto, a U-shaped cross head mounted on said standard and having openings in its upper free end, a last adjustably mounted upon each of the upper ends of the U-shaped cross head, means associated with said lasts and openings for holding the lasts in adjusted position, a support adjustably secured to the base of said cross head beneath the toe of said last, an arm attached to said standard and extending laterally on



a vertical plane with said cross head and a loop embracing said arm and last and adapted for longitudinal adjustment thereon.

1,467,713. BELT COUPLING. ALBERT H. DE VOE, Westfield, N. J., assignor to The Singer Manufacturing Company, a Corporation of New Jersey. Filed Apr. 9, 1918. Serial No. 227,472. 1 Claim. (Cl. 24—123.)



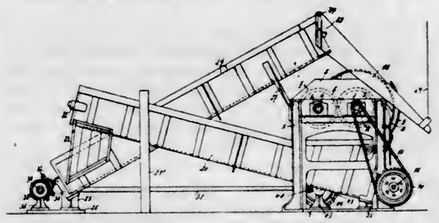
In a belt coupling, articulated means for holding the opposite ends of a belt including ferrule and wedge elements cooperating to grip each of the belt ends, and a metallic link pivotally connecting the ferrule elements each of the pivots being provided with a sound-deadening member.

1,467,714. GOLF CLUB. HARRY E. DOERR, St. Louis, Mo. Filed Oct. 30, 1922. Serial No. 597,733. 6 Claims. (Cl. 46—4.)



1. A golf club having a head provided with a concave cylindrical striking face.

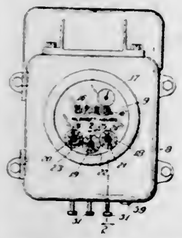
1,467,715. AUTOMATIC KNEADING MACHINE. LOUIS BAPTISTE DONKERS, Antwerp, Belgium. Filed Dec. 24, 1921. Serial No. 524,810. 7 Claims. (Cl. 259—6.)



1. In an automatic kneading machine for butter, margarine or the like, a pair of juxtaposed troughs arranged in oppositely inclined upward directions, said troughs closed at their lower ends and open at their upper ends, a screw in each trough constructed and arranged to convey

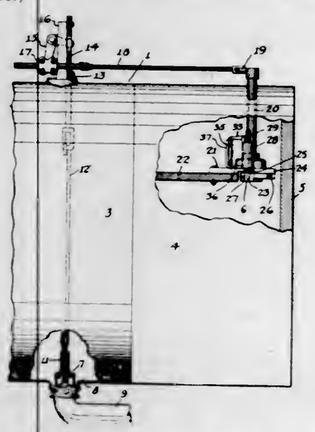
the material upwardly, the inclination of the troughs causing the material to be subjected to a kneading action during its upward travel, and means for delivering the material from the open upper end of each trough to the other trough adjacent the lower end thereof and kneading rollers interposed between the delivering means from one trough to the other.

1,467,716. INSPECTION INDICATOR. JAMES D. ELSOM, Oak Park, Ill., assignor to Economy Electric Devices Company, Chicago, Ill., a Corporation of Illinois. Filed July 6, 1920. Serial No. 394,300. 4 Claims. (Cl. 171—34.)



1. An apparatus for indicating inspection periods comprising a motor element adapted to be controlled by electric energy flowing to a translating device, an inspection indicator correlated with said motor element, and means for resetting said indicator.

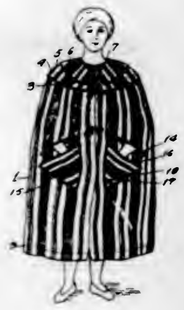
1,467,717. TANK-WAGON EMERGENCY-VALVE MECHANISM. GEORGE L. E. EMMICH, Cincinnati, Ohio, assignor to Augustine Davis, jr., Covington, Ky. Filed Aug. 11, 1921. Serial No. 491,641. 10 Claims. (Cl. 220—88.)



1. The combination with a tank having a bottom outlet, of a valve cooperative with said outlet, a spring active to close said valve, operating mechanism connected with the valve for effecting opening and closing thereof and having a catch for holding the valve open, and a thermal device for releasing said mechanism from the catch to close under the action of the spring.

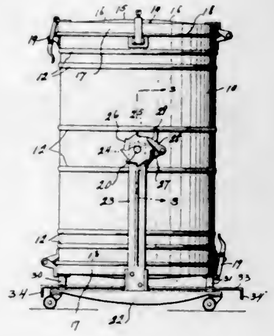
1,467,718. BEACH CAPE. ARTHUR R. ENTRIKIN and LUCILE PALMER ENTRIKIN, Ocean Park, Calif. Filed Mar. 29, 1920. Serial No. 369,807. 4 Claims. (Cl. 2—60.)

1. A beach cape comprising a body formed of a piece of awning canvas; a yoke provided with a neck hole and joined to said body, and a collar joined to the neck hole of the yoke and adapted to over-lap the upper portion of the yoke; said yoke being joined to the body by a seam at some distance above the lower edge of



the yoke and some distance below the lower edge of the collar so as to give the appearance of a shoulder cape with a minimum amount of goods and weight upon the shoulder of the wearer.

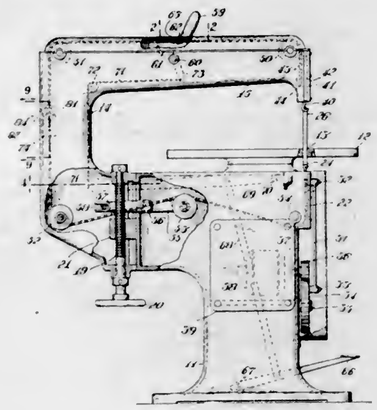
1,467,719. STORAGE VESSEL. JAMES M. FALLS, Louisville, Ky. Filed June 28, 1922. Serial No. 571,419. 2 Claims. (Cl. 248—52.)



1. In combination, a base, supports extending upwardly from the base, a container pivoted intermediate the supports for end for end rotation, a pair of levers pivotally secured at opposite sides of the base, and embodying portions which when the levers are in one position engage the container when in vertical position to lock the same against movement, and a longitudinally shiftable member connecting the levers for simultaneously shifting the same into or out of engagement with the container.

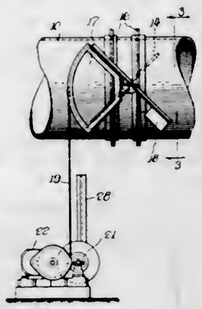
1,467,720. JIG SAW. WILLIAM A. FIELD, Chicago, Ill., assignor to Wm. A. Field Company, Chicago, Ill., a Corporation of Illinois. Filed June 25, 1921. Serial No. 480,321. 13 Claims. (Cl. 143—70.)

1. A jig saw comprising a machine frame, a belt supported by said frame and adapted to be connected to the opposite ends of a saw blade, guides for the saw blade, a spring operating to hold said belt under tension and connected between the driving means and the



adjacent end of the belt, and a lever for detachably engaging and moving one end portion of said belt in opposition to the tension of said spring.

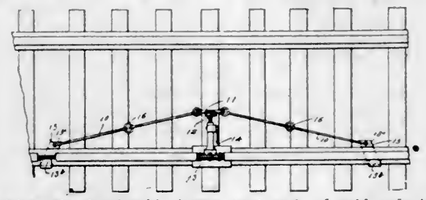
1,467,721. FLUID-PRESSURE REGULATOR. GORDON FOX, Chicago, Ill., assignor to Freyn, Brassert & Co., Chicago, Ill., a Corporation of Maine. Filed Oct. 6, 1921. Serial No. 505,963. 3 Claims. (Cl. 50—10.)



1. In combination, a gas main for conducting gas issued from a blast furnace, blast furnace stoves, burners for said stoves supplied from said gas main, means responsive to the pressure within said main, a valve in said main, motive means for operating said valve, means opposing said motive means and adapted to counterbalance the effect of said motive means, said counterbalancing means having an effectiveness which varies progressively with changes in position of said valve, said motive means being responsive to said pressure responsive means.

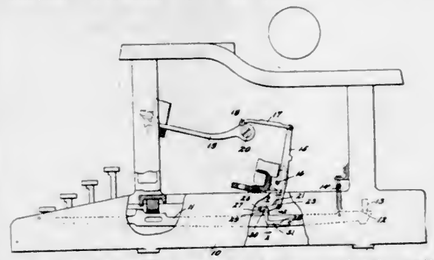
1,467,722. TRACK LINER. JAMES W. FRYE, Sandborn, Ind. Filed Oct. 21, 1921. Serial No. 509,410. 1 Claim. (Cl. 153—38.)

A one-man track liner comprising a bearing plate having a seat to receive the head of a jack, a pair of rods each of which has its inner end pivotally connected to an end of said bearing plate, a pair of rail engaging clamps, each of said clamps comprising a jaw and a shank located at an angle to the jaw whereby to insure substantial engagement with a track, each of said rods having its outer end pivotally connected



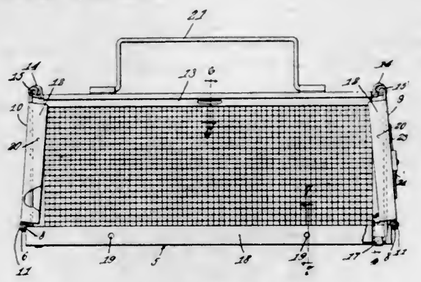
with a shank of said clamps, and each of said rods being intermediately jointed for folding into compact form for transportation.

1,467,723. TYPEWRITING MACHINE. CARL GABRIELSON, Syracuse, N. Y., assignor to L. C. Smith & Bros. Typewriter Company, Syracuse, N. Y., a Corporation of New York. Filed May 15, 1922. Serial No. 560,985. 7 Claims. (Cl. 197—27.)



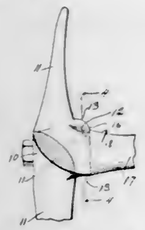
1. In type actuating mechanism the combination with a key lever having a laterally projecting metal stud riveted thereto between its ends, of a sublever at an angle to said key lever pivotally mounted on a fixed support between its ends having a pivot pin riveted to its lower end and projecting laterally therefrom and a connecting link at an angle to said sublever having pivotal connection at one end to said stud on said key lever and at its other end to the pivot pin on the adjacent end of said sublever.

1,467,724. FOLDING BOX. PAUL HARDER, Red Wing, Minn. Filed Feb. 11, 1921. Serial No. 444,172. 2 Claims. (Cl. 220—6.)



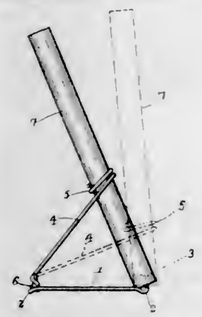
1. In a folding box, a bottom member, having upwardly extending side and end flanges, side members hingedly connected to the bottom and adapted to contact with the flanges to hold the side members in an upright position, end members hingedly connected to the end flanges adjacent to the upper edges thereof, said end members having inwardly extending side edges adapted to embrace portions of the side members to restrict lateral movement of the side members, and a top section adapted to move between the side and end members to hold them against movement.

1,467,725. PROPELLER. ISAAC HIGGS, Newport News, Va. Filed Sept. 6, 1922. Serial No. 586,511. 3 Claims. (Cl. 170—173.)



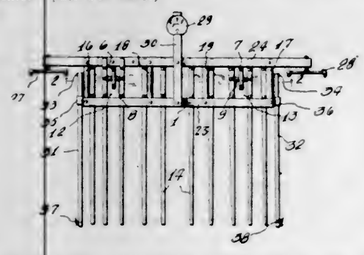
1. A propeller embodying the usual hub and blades, the hub being provided intermediate the bases of the blades with spiral grooves having the same pitch as the bases of the blades and of a width equal to the distance between adjacent faces of the bases of the blades, said grooves reducing the diameter of the hub and forming thereon spiral vanes aligning with and having the same pitch as the bases of the blades.

1,467,726. AERIAL SERPENT TOY. THOMAS G. HITT, Seattle, Wash. Filed Jan. 7, 1922. Serial No. 527,694. 2 Claims. (Cl. 102—20.)



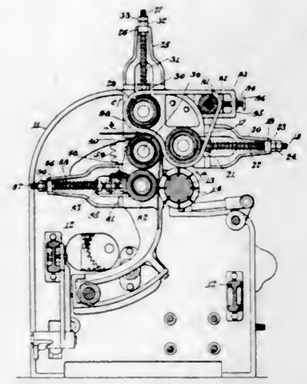
1. A device of the class described including a base frame, an arm extending upwardly from said frame at an oblique angle, a loop at the outer end of the arm, a tube arranged within said loop having its lower end resting upon the base, a supporting element extending upwardly from the base and projecting into said tube for supporting the tube in an upright position.

1,467,727. HAY SWEEP. CLYDE HOWARD, Lincoln, Nebr. Filed Aug. 3, 1921. Serial No. 489,461. 3 Claims. (Cl. 56—396.)



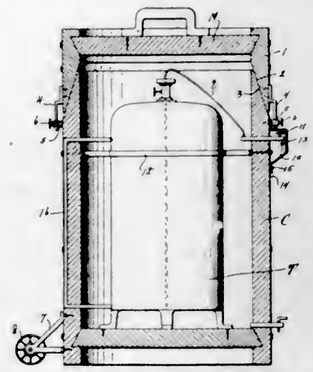
1. An improved hay sweep comprising a base plate, wheels for supporting the same, teeth extending forwardly from the base plate, supports extending in spaced relation upwardly from the base plate, a pair of beams extending transversely across the tops of the supports, the rear beam being extended beyond the sides of the sweep, swingle trees attached to the extended ends of the beam, a seat carried by said sweep, and pivoted tongues secured to the outermost supports.

1,467,728. HIDE-WORKING MACHINE. ALBERT A. HUTCHINSON, Winchester, Mass. Filed May 9, 1922. Serial No. 559,654. 5 Claims. (Cl. 149—16.)



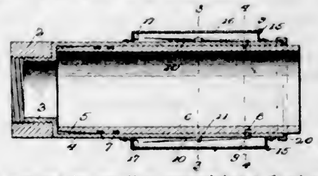
5. The combination with a revoluble knife cylinder; a bed roll adapted to coact therewith; a hide supporting roller above said bed roll and movable toward and from said knife cylinder; an idler roll above said knife cylinder; another idler roll above said hide supporting roller when in operative position; an endless belt of absorbent material on said idler rolls adapted to contact with said hide supporting roller at a point between said idler rolls; a belt-tautening roller; and means for adjusting the position of said roller.

1,467,729. DISPENSING APPARATUS. JACOB G. ISENHOUR, Danville, Va. Filed Mar. 18, 1922. Serial No. 544,844. 1 Claim. (Cl. 217—16.)



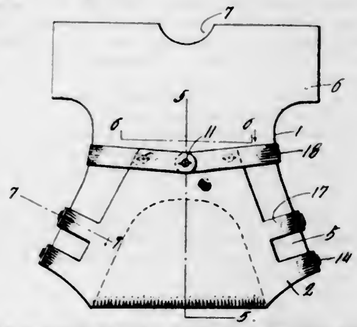
An apparatus of the class described comprising a container, a removable cover for said container, the contacting portions of the cover and container being beveled, rods carried by the cover and overlying the container inwardly of the cover when the cover is applied, collars carried by the container through which the rods extend, and clamping means carried by the collars for co-action with the rods disposed through the collars.

1,467,730. COUPLING. ELMER GOTTFRIED JOHNSON, Hibbing, Minn. Filed Sept. 1, 1922. Serial No. 585,730. 3 Claims. (Cl. 285—173.)



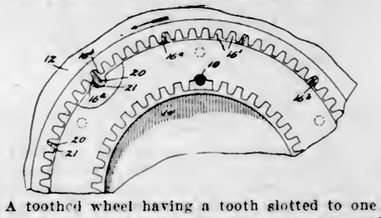
3. An automatic coupling comprising a fixed cylindrical member provided with a tapering bore and diametrically disposed perforations adjacent its outer end, a movable member adapted to be inserted into the fixed member and having its outer wall adjacent one end tapered coincident to the tapering of the fixed member, levers pivotally mounted on the outer wall of the fixed member and provided with depending and inwardly turned catches projecting through the diametrically disposed perforations in the fixed member and adapted to engage an annular groove in the movable member when said movable member is inserted within the fixed member for automatically locking the movable member within the fixed member, and locking means embracing the levers to prevent unauthorized manipulation of said levers when the movable member is inserted within the fixed member.

1,467,731. GARMENT. MARY E. KINSLOW, Los Angeles, Calif. Filed Sept. 8, 1921. Serial No. 499,149. 1 Claim. (Cl. 2—144.)



In a two-piece garment, a body portion being bent over upon itself intermediate its ends and having its sides fastened, leg extensions on the body portion, fastening elements on the leg extensions, a crotch portion constructed with a substantially hexagonal shape and a plurality of apertured tabs extending from its sides for engagement with the fastening elements on the leg members of the body.

1,467,732. CLUTCH DISK. THOMAS J. LITLE, Jr., Detroit, Mich., assignor, by mesne assignments, to Harold H. Emmons, Detroit, Mich. Filed July 13, 1921. Serial No. 484,417. 6 Claims. (Cl. 192—69.)

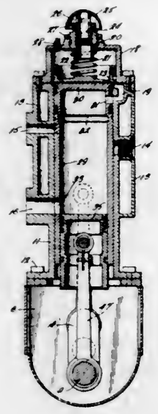


1. A toothed wheel having a tooth slotted to one side of its center to provide a resilient tongue on one side of said slot and a rigid tongue on the other side of said slot.

1,467,733. MANUFACTURE OF METALDEHYDE. EMIL LÜSCHER and THEODOR LICHTENHAHN, Basel, Switzerland, assignors to Elektrizitatswerk Lonza, Gampel and Basel, Switzerland. Original application filed Aug. 8, 1922, Serial No. 580,540. Divided and this application filed Apr. 10, 1923. Serial No. 631,221. 16 Claims. (Cl. 260—140.)

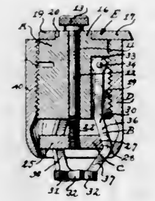
16. An improvement in the manufacture of metaldehyde from acetaldehyde consisting in the employment as catalyst of a small quantity of calcium bromide in conjunction with a small quantity of hydrochloric acid.

1,467,734. ENGINE. JOHN D. MACLACHLAN, Chadwick, Mo. Filed Sept. 7, 1921, Serial No. 499,050. Renewed Aug. 4, 1923. 2 Claims. (Cl. 123—50.)



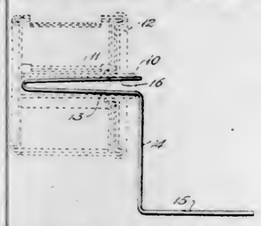
1. An engine comprising a cylinder, a surge-plunger chamber associated therewith and having a member adjustably associated with said chamber, a surge-plunger adapted for operation in said chamber, a compression spring associated with the plunger and said member, and a breather cap adjustably associated with said member for varying the amount of air entering the surge-plunger chamber.

1,467,735. WRENCH. LOUIS ALBERT MORGAN, Safety Harbor, Fla. Filed June 9, 1922. Serial No. 567,101. 5 Claims. (Cl. 81—113.)



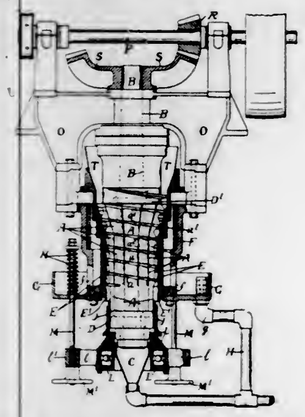
5. In an adjustable socket wrench, a movable head, a plurality of jaws removably associated with the head for swinging movement, movable means engaging the inner faces of the jaws to move them apart, and means independently operable of the first means, for moving said jaws toward the other.

1,467,736. CRANK FOR WINDING SPOOLS, ETC. WILLIAM O. OWEN, Washington, D. C. Filed Aug. 19, 1922. Serial No. 583,064. 2 Claims. (Cl. 74—33.)



1. A crank of the class described having one end adapted to fit within a hollow shaft and provided with a spring means integral therewith for frictionally engaging the shaft to cause the same to rotate as the crank is rotated.

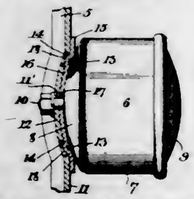
1,467,737. OIL OR LIKE PRESS OR EXPRESSING APPARATUS OF THE WORM-SCREW TYPE. GEORGE RICHARD SCHUELER, Kingston-upon-Hull, England. Filed Mar. 21, 1922. Serial No. 545,515. 8 Claims. (Cl. 100—48.)



1. A compressing worm, comprising a central shaft, and a series of longitudinal worm sections secured side by side around the shaft and provided with portions of spiral screwthreads.

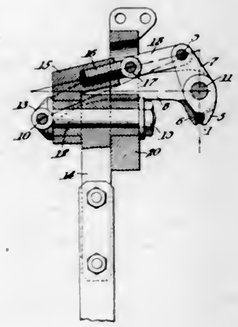
7. A compressing worm as set forth in claim 1, and having corresponding flat surfaces on the said shaft and on the backs of the said worm sections, so that the worm sections are constrained to revolve with the shaft.

1,467,738. TAIL-LIGHT SIGN DEVICE. GUY T. STEUART, Washington, D. C. Filed Feb. 19, 1923. Serial No. 619,937. 2 Claims. (Cl. 40—131.)



2. The combination with a supporting member having an inner opening and outer openings, a lamp casing having an end carrying a bolt to enter said inner opening and having outwardly projecting lugs to enter said outer openings; of a sign device embodying a body portion to be arranged between the supporting member and said end, said body portion having an inner opening to receive the bolt and outer rearwardly bulging hollow lugs to enter the outer openings in the supporting member, said hollow lugs having recesses upon their rear sides for receiving the lugs of said end, and a sign portion carried by from said body portion.

1,467,739. CLIP FOR ROPEWAY CARS. YUSUKE TAMAMURA, Tokyo-fu, Japan. Filed Dec. 27, 1922. Serial No. 609,361½. 4 Claims. (Cl. 104—208.)



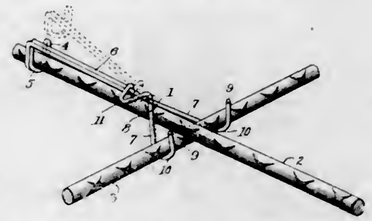
1. A clip comprising a horizontal lever-arm having a jaw, a vertical lever-arm also having a jaw, an arm joining the horizontal lever arm at the end opposite its jaw, and an arm pivotally interconnecting the said arm and the vertical lever arm, so constructed that the head pin which connects the two jaws pivotally, and the tail-pins of the three arms form the vertices of a trapezoid quadrilateral, of which the line connecting the tail-pin of the intermediary arm and the tail-pin of the horizontal lever-arm forms the immovable lateral side while the vertical lever-arm forms the movable lateral side, the said clip operating in such a manner that its jaws will close when the eye-bars forming the upper side of the trapezoid turn upward away from the bottom, and the jaws will open when the said eye-bars turn down toward the said bottom.

1,467,740. VEHICLE WHEEL. LEWIS IRVINE THOMPSON, Portland, Oreg. Filed Apr. 22, 1921. Serial No. 463,502. 10 Claims. (Cl. 301—60.)



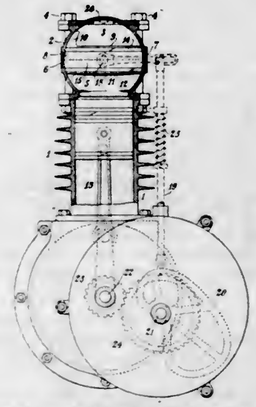
5. A wheel comprising a hub having a reduced end portion and longitudinal guideways in the larger portion thereof, an axially-movable tension member having key portions disposed in said guideways and having also threaded seats, an annular member on the reduced end of the hub seated against the wall of the larger portion thereof, bolts rotatable in said annular member having threaded shanks disposed in said seats arranged to adjust said tension member axially, a felly, a weight-sustaining member connected with said felly and tension member, and another weight-sustaining member connected at another place on said hub and with said felly.

1,467,741. CONCRETE TIE CLIP. EARL D. TUBBS, New York, N. Y. Filed June 15, 1922. Serial No. 568,407. 5 Claims. (Cl. 72—122.)



1. A clip of the character described comprising a shank, a hook on one end of said shank, and a pair of spaced hooks on the other end of the shank, there being a crotch between said spaced hooks to engage one of a pair of crossed rods which is also engaged by the hook on the remote end of the shank, while the other rod is engaged between said spaced hooks and the first rod.

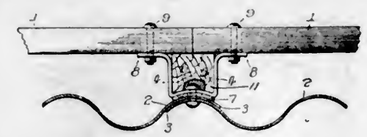
1,467,742. VALVE FOR INTERNAL-COMBUSTION ENGINES. DAVID EDWARD TURNER, Hampstead, London, England. Filed Sept. 2, 1919. Serial No. 321,145. 6 Claims. (Cl. 123—81.)



1. An internal combustion engine having a cylinder provided with a substantially spherical chamber formed with inlet and exhaust ports in the wall thereof, a part spherical valve trunnioned to operate in said chamber and control said ports, and means carried by the valve to maintain the inlet port closed when the valve is in position to open the exhaust port to the cylinder, whereby to prevent admission of fuel to that portion of the chamber beyond the valve relative to the cylinder.

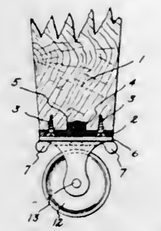
1,467,743. RUNNING-BOARD-SUPPORTING BRACKET OR SADDLE FOR THE ROOFS OF BOX CARS. WILLIAM EBASTUS WILLIAMS, Wilmette, Ill. Filed July 28, 1921. Serial No. 488,138. 2 Claims. (Cl. 105—457.)

1. The combination with corrugated metal car roof sheets marginally overlapping along the longitudinal medial line of the roof, of metal brackets fitting the upper surface of the overlapping portions, wood blocks rigidly held in and flush, above, with said brackets, rivets



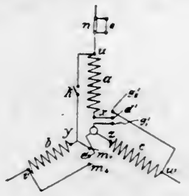
uniting the overlapping portions and fixing the brackets thereto, and screws entering said blocks and securing foot boards thereto.

1,467,744. CASTER. WILLIAM WINKLER and ARTHUR H. MILLER, Brooklyn, N. Y. Filed Oct. 24, 1922. Serial No. 596,678. 1 Claim. (Cl. 16—18.)



A caster comprising a roller, a yoke having a conical hole, ears on said yoke, a pin between said ears supporting said roller, a plate adapted to be secured to an article of furniture and having a threaded hole therein, a flange, a threaded stud on said flange engaging the hole in said plate, a pin rigid on the face of said flange, said pin registering in the conical hole of said yoke, the latter being pivoted on said pin, and wings on the face of said flange adapted to rotate the flange and stud into the threaded hole.

1,467,745. METHOD OF STARTING ELECTRIC MOTORS. WILLY ZEDERBOHM, Berlin-Charlottenburg, Germany, assignor to Siemens-Shuckertwerke Gesellschaft mit beschrankter Haftung, Berlin, Germany, a Corporation of Germany. Filed Aug. 23, 1919. Serial No. 319,516. 3 Claims. (Cl. 172—280.)

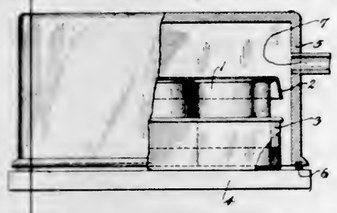


1. The method of starting a three phase motor by changing the connections of its field winding from star to delta without interrupting the motor field, which comprises successively disconnecting the end of each single phase winding from the star point and connecting it to one of the three-phase leads.

1,467,746. METHOD OR PROCESS FOR PRESERVING FRUIT AND THE LIKE. WILLIAM G. ALLEN, Salem, Oreg. Filed Nov. 14, 1921. Serial No. 514,957. 10 Claims. (Cl. 99—8.)

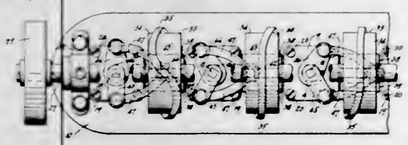
10. The process of preparing fruit for canning which consists in placing the container with unsyruped fruit within a shallow receptacle in inverted position, intro-

ducing a syruping liquid into said receptacle to form a liquid seal, enclosing the receptacle and container within a chamber, withdrawing the air from the fruit



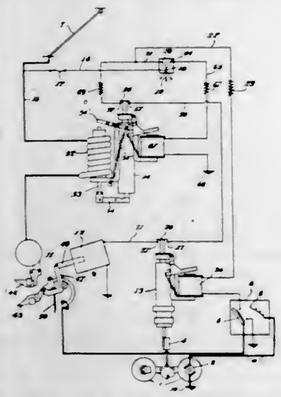
through the syruping liquid, and then causing the syruping liquid to pass into the container and the fruit under the influence of the unbalanced pressures created.

1,467,747. VALVE MECHANISM FOR INTERNAL-COMBUSTION ENGINES. RICHARD E. ANDERSON, Portland, and OSCAR G. LARSON, Silverton, Oreg., assignors, by direct and mesne assignments, to A. & L. Motor Corporation, Albany, Oreg., a Corporation of Oregon. Filed Mar. 8, 1922. Serial No. 542,037. 12 Claims. (Cl. 123—80.)



1. In an internal combustion engine, a cylinder having a port opening in its upper end, the axis of the port opening being approximately coincident with the axis of the cylinder, the cylinder being formed to provide a cylindrical chamber above the head of the cylinder concentric to the axis of the port opening, said chamber having an inlet port and an exhaust port, a pair of concentric sleeves disposed in said chamber axially concentric to the axis of said port, each sleeve having a pair of port openings, and crank shaft operated means for oscillating said sleeves to bring their port openings into or ont of register with the port openings in the chamber.

1,467,748. ELECTRIC-CIRCUIT-CONTROL APPARATUS. HERSHEL A. BENEDICT, East Orange, and EDVARD M. MOLLER, Jersey City, N. J. Filed June 14, 1922. Serial No. 568,353. 11 Claims. (Cl. 192—2.)

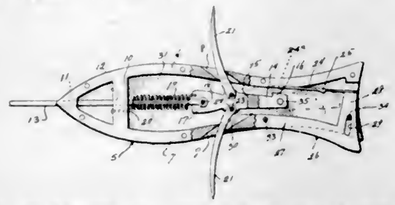


1. In an apparatus of the character described, means for automatically preventing current being supplied to a motor during application of brakes interfering with free operation of said motor, and electrical means for automatically permitting current to be applied to said motor as the control is turned on after the brake is released.

1,467,749. PROCESS OF MAKING STORAGE-BATTERY PLATES. RAYMOND C. BENNER, Bayside, N. Y., assignor to Union Carbide & Carbon Research Laboratories, Inc., a Corporation of New York. Filed July 29, 1922. Serial No. 578,494. 6 Claims. (Cl. 204—29.)

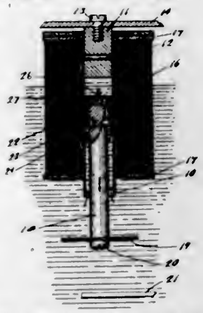
5. Process of making performed storage battery plates that comprises mixing alkali-metal bisulfate and a non-conductive binding substance with active material containing a predominating amount of lead peroxid and a small amount of other lead compound, applying such mixture to a suitable conductive support, and removing the soluble material therefrom.

1,467,750. ARTIFICIAL BAIT. CARL W. BORG, Aberdeen, Wash. Filed Dec. 23, 1922. Serial No. 608,682. 3 Claims. (Cl. 43—35.)



3. An artificial bait comprising a body, a longitudinally extending rod disposed within the body, blade-like hooks pivoted to the rod and normally disposed within the body but projectable therefrom, resilient means surrounding the rod engaging at one end with a wall of the body and at the other end with the rod and urging the rod in a direction to entirely retract the hooks, the rear end of the rod being provided with a tooth, a spring mounted within the rear end of the body and having a tooth adapted to engage the first named tooth to hold the rod retracted, and a trigger forming part of one wall of the body pivoted at its forward end thereto and at its rear end operatively engaging said latch whereby when said trigger is forced inward by a fish taking the bait the resilient latch is releasdd from the rod to permit the projection of the rod and the projection of the blade-like hooks, said resilient latch urging the pivoted member outward to a normal position.

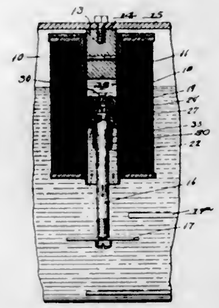
1,467,751. TIME-LIMIT DEVICE. CHESTER D. AINSWORTH, Wollaston, Mass., assignor to Sears B. Condit, jr., Boston, Mass. Filed Jan. 4, 1918. Serial No. 210,392. 3 Claims. (Cl. 188—94.)



1. A dash pot including a tube, a core operably disposed within the tube having recesses in its side wall, and a piston having a top wall and a side wall movably

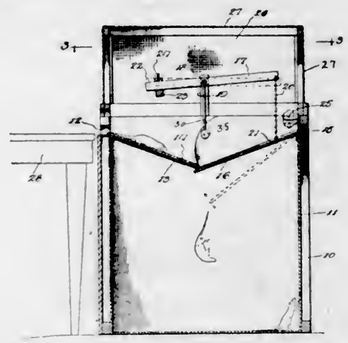
arranged in said tube for restricted fluid leakage past its side wall, said piston side wall having integrally formed ears extended inwardly from its lower edge and received in the recesses in said core.

1,467,752. RETARDATION DEVICE. CHESTER D. AINSWORTH, Wollaston, Mass., assignor to Sears B. Condit, Brookline, Mass. Filed Mar. 16, 1920. Serial No. 366,360. 9 Claims. (Cl. 188—94.)



1. In a retarding device, a cylinder, a piston operable therein having a leak opening therethrough, means admitting of the adjustment of the extent of the opening, and electrically energized actuating means for the piston including a plunger loosely connected with said adjusting means.

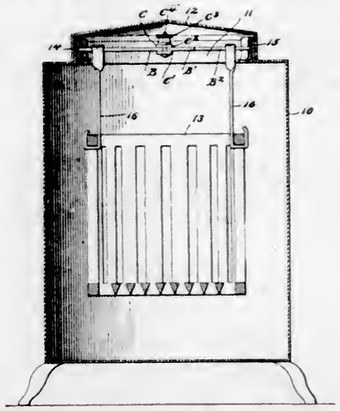
1,467,753. RAT TRAP. ROBERT C. BURNLEY, Hartsville, Tenn. Filed Aug. 23, 1922. Serial No. 583,822. 2 Claims. (Cl. 43—69.)



1. A rat trap comprising a cabinet having a slanting floor raised above its bottom and terminating substantially along a medial line across the cabinet, a tank in the cabinet below said floor, an entrance being provided in a wall of the cabinet above said floor, a slanting trap door hinged in the tank and adapted to abut with its free edge against said floor and means for yieldably holding the trap door in the abutting position.

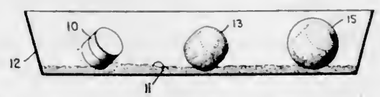
1,467,754. ATTACHMENT FOR STOVES. RONALD ELISON CAMPBELL, Columbia, S. C. Filed Dec. 20, 1919. Serial No. 346,286. 1 Claim. (Cl. 126—152.)

An attachment for stoves, comprising a grate adapted to be inserted within the body of a stove, and means for supporting the same out of contact with the walls of the stove, said means including a bar comprising two portions relatively movable longitudinally and a member for clamping said portions in any desired relative position,



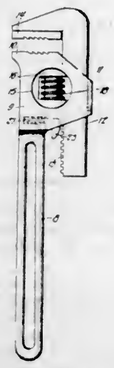
said bar being adapted to be supported at its ends by the stove, and suspending rods connecting said bar and grate, for the purpose set forth.

1,467,755. TOY TORPEDO. ALBERTO CIMOROSI, Braintree, Mass. Filed Dec. 30, 1920. Serial No. 434,064. 7 Claims. (Cl. 102—25.)



6. The process of making torpedoes which consists in filling a cartridge with a fulminating composition and coating said cartridge with an agglomerated mixture of granular material and an adhesive by rolling the cartridge in said granular mixture to form a substantially spheroidal shell thereupon.

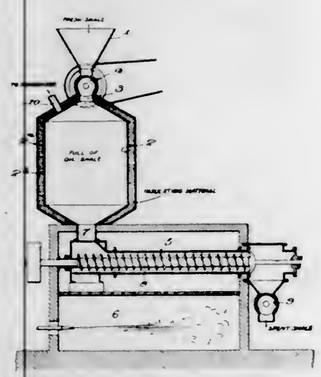
1,467,756. WRENCH. JOHN P. COUGHLIN, Chicago, Ill. Filed Oct. 12, 1921. Serial No. 507,253. 11 Claims. (Cl. 81—101.)



1. A wrench comprising a shank provided with a stationary jaw, a sleeve on said shank, a toothed movable shank provided with a jaw, said movable shank

being mounted in said sleeve, a rotatable nut case in said first mentioned shank, a threaded nut in said nut case arranged to co-operate with the teeth of the movable shank, said first mentioned shank being recessed to receive a dog, a spring disposed within the recess and held therein, said spring being attached to said dog, said dog being provided with a shoulder arranged, when the dog is within the recess, to prevent its accidental displacement, and a shelf on said shank adjacent the recess on which said dog may rest.

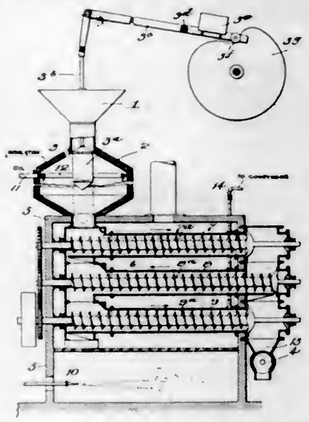
1,467,757. PROCESS AND APPARATUS FOR THE EXTRACTION OF HYDROCARBON OILS FROM SHALE. DAVID T. DAY, Washington, D. C. Filed July 12, 1919. Serial No. 310,301. 4 Claims. (Cl. 196—21.)



1. The process of extracting hydrocarbon oil material from hydrocarpon oil bearing shale, which process consists in subjecting a mass of fresh untreated shale in a closed chamber located outside of a furnace and removed from the action of the heating medium thereof to the action of hot aeriform material constituting the sole heating medium for said chamber and composed solely of vapors and gases driven off from similar shale to distill off volatile material from said fresh shale in the closed chamber, and subjecting similar shale material to the action of heat applied to the exterior of a retort within a furnace to drive off hydrocarbon vapors and gases in aeriform condition, conducting said aeriform material into said chamber through an opening in the lower part of said chamber and releasing it into the mass of shale therein, and leading aeriform material from the upper part of said chamber, the chamber and the shale within it being altogether removed from the heating action of the furnace gases of combustion and the sole source of heat for said chamber being from within and provided by gases from said retort.

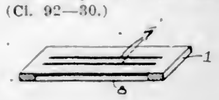
1,467,758. PROCESS OF PRODUCING HYDROCARBON MATERIALS. DAVID T. DAY, Washington, D. C. Filed Aug. 22, 1919. Serial No. 319,179. 11 Claims. (Cl. 196—25.)

1. The process of converting hydrocarbon oils having high boiling points to hydrocarbon oils having low boiling points and preventing carbon depositions on the interior of the treatment apparatus, which process comprises adding the oil to be treated to a mass of hydrocarbon oil bearing shale adapted to form with the non-volatile residuum of the oil a dry non-caking mixture, continuously introducing the shale with the added oil into a retort, subjecting said material while in said retort to cracking temperatures, utilizing the shale while within said retort as a scouring medium for keeping the interior of the



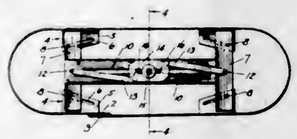
retort free from deposits, continuously passing said material so treated from said retort, and condensing the low boiling point oils thus driven off.

1,467,759. SCREEN PLATE. WALTER S. HALL, Fitchburg, Mass. Filed Sept. 12, 1921. Serial No. 499,992. 5 Claims. (Cl. 92—30.)



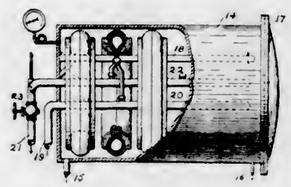
1. A screen plate for paper manufacture consisting of a plate provided with communicating slots of different widths on opposite faces thereof, the said slots being of substantially the same overall length with their end walls substantially in alinement.

1,467,760. COLLAPSIBLE CORE FOR CONCRETE CONSTRUCTION. FRED J. HOMAN, Santa Ana, Calif. Filed Jan. 29, 1923. Serial No. 615,490. 2 Claims. (Cl. 25—128.)



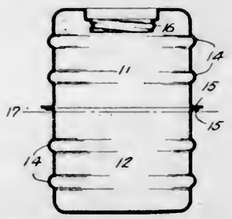
1. A collapsible core for concrete moulds, comprising a metal plate bent intermediate its ends to form a hollow, oblong chamber having its longitudinal sides substantially straight and having curved ends, the ends of said plate overlapping; a plurality of pairs of brackets, one member of each pair being secured to opposite sides of the chamber, each bracket having a side projecting inwardly at right angles from the inner surface of the chamber, each inwardly projecting side having a slot therein, said slot being nearer to the side of the chamber at its inner end than at the outer; a transverse bar connecting members of each pair of brackets; bolts extending through the ends of said bars and projecting through said slots; slotted bars secured at right angles to said first named bars; a rod projecting through the slots in said bars; links pivotally connected at one end to said transverse bars; and means for moving said links backwards and forwards so as to spread and collapse said core.

1,467,761. METHOD OF VULCANIZING TREADS AND MOLD USED IN SUCH METHOD. WILLIAM MARTIN JONES, Jr., Rochester, N. Y. Filed Oct. 20, 1921. Serial No. 508,966. 8 Claims. (Cl. 18—59.)



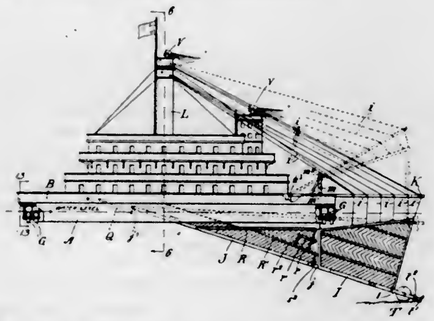
1. The method of vulcanizing treads on previously formed tires, which consists in subjecting the new tread to a vulcanizing heat on the exterior thereof, circulating a cooling fluid through the interior of the tire to prevent vulcanizing thereof, and insulating the exterior wall of the tire on opposite sides beyond the tread against the action of such vulcanizing heat.

1,467,762. CONTAINER. JESSE C. KING and WILLIAM S. NISH, Montreal, Quebec, Canada, assignors to Canada Carbide Company, Limited, Montreal, Canada. Filed Feb. 2, 1920. Serial No. 355,731. 1 Claim. (Cl. 113—116.)



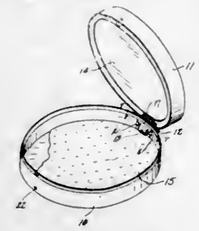
A method of making containers which consists in providing a pair of cup shaped members, flanging the edges of said members, welding the flanges together to unite and simultaneously anneal them and subsequently rolling the annealed flanges down upon the body of the container to form a strengthening rib.

1,467,763. FISHING BOAT. NELS A. LYBECK, Brooklyn, N. Y. Filed June 22, 1917. Serial No. 176,274. 28 Claims. (Cl. 43—4.)



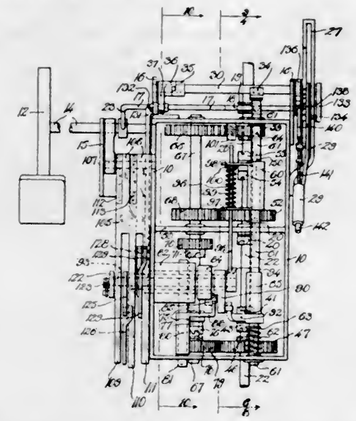
1. In a fishing boat, a submersible fish-collecting net pivoted to the boat, a plurality of hollow masts for receiving weights for counterbalancing the fish-collecting net, weights in said masts co-operating with cables attached to the fish-collecting net for counter-balancing said net, in combination with a plurality of hulls, means for propelling the boat in the direction of its length and means for propelling the boat laterally.

1,467,764. VANITY BOX. ANKER S. LYHNE, Bridgeport, Conn. Filed Dec. 20, 1922. Serial No. 608,103. 5 Claims. (Cl. 132—83.)



1. In combination a box, means for securing a powder compact in said box comprising a plate provided with one or more slits leading from one side thereof to provide one or more resilient tongues extending at one side of the plate, and means for rigidly securing the plate to a wall of the box in position to allow the tongue to extend over the edge of a compact and hold it in position, said tongue or tongues being yieldable with respect to the plate to allow insertion and removal of the compact without removing the plate.

1,467,765. GEAR SHIFT. HARRY W. MCMULLIN, Frankfort, Ind. Filed Jan. 20, 1921. Serial No. 438,638. 24 Claims. (Cl. 74—59.)

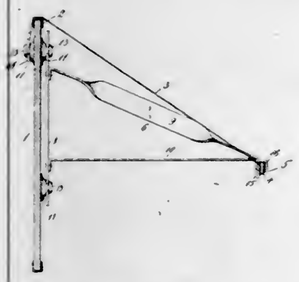


1. A gear shift comprising a pedal, a plurality of bars directly connected therewith and movable thereby, engaging shoulders on said bars, movable members also having shoulders adapted to be engaged by the shoulders of the bars, and speed-changing means movable from one position to another by said members, said bars being arranged in two series, one of which is above said members and the other below said members.

1,467,766. SHADE FOR WINDSHIELDS OF AUTOMOBILES. SAMUEL MEADOWS, Boston, Mass. Filed Oct. 28, 1921. Serial No. 511,169. 2 Claims. (Cl. 296—95.)

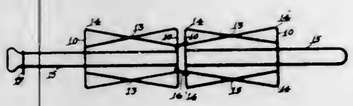
1. An attachable shade for the windshield of an automobile having a glass panel, comprising a curtain, fixtures releasably attachable to the face of the glass on the front of the windshield, means for securing such attachment, means whereby the outer end of the curtain may be sup-

ported from off said fixtures when attached to the windshield and the curtain incline upwardly to extend over



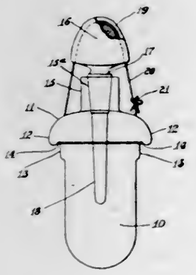
the windshield, and means whereby the inner end of the curtain may be releasably secured to the face of the glass on the back of the windshield.

1,467,767. TOASTER. THOMAS J. O'ROURKE, Worcester, Mass., assignor to The Washburn Company, a Corporation of Massachusetts. Filed Sept. 22, 1922. Serial No. 589,899. 6 Claims. (Cl. 53—5.)



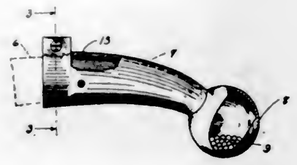
4. As an article of manufacture, a toaster comprising two parallel ends and sides each made up of two wires each extending from one extreme end to a point at a distance from the other extreme end so that they cross each other half way between said ends.

1,467,768. CONTAINER. ARTHUR SCHOENBRUN, New York, N. Y., assignor to Magnum Import Co., Inc., New York, N. Y. Filed May 23, 1922. Serial No. 563,144. 1 Claim. (Cl. 215—1.)



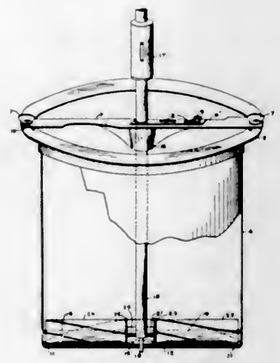
A receptacle of the character specified, comprising a bottle having oppositely disposed lateral overhung hook members and a shoulder beneath each hook member so as to form a cavity between each shoulder and its adjacent hook member and a stopper for insertion in said bottle, said stopper having a head with a groove normally in alinement with said shoulders and extending from one side to the other of said head, said groove and said cavities being adapted for the reception of a flexible cord to retain the stopper in position in the bottle.

1,467,769. HORN WEIGHT. WILLIAM C. TAGERT, Aspen, Colo. Filed Jan. 23, 1923. Serial No. 614,390. 3 Claims. (Cl. 119—144.)



3. A horn weight consisting of a curved tapering tubular member having a hollow spherical chamber at the smaller end thereof, the larger end being provided with means to secure the weight to the end of a horn, said means comprising a pair of clamping fingers secured to the tubular member; means for drawing the clamping fingers together and projections on the inner surfaces of said fingers.

1,467,770. FOOD MACHINE. JOSEPHINE TRUST and HENRY TRUST, Park Ridge, N. J., assignors, by mesne assignments, to Fitchburg Machine Works, Fitchburg, Mass., a Corporation of Massachusetts. Substitute for application Serial No. 216,537, filed Feb. 11, 1918. This application filed Sept. 16, 1919, Serial No. 324,135. Renewed July 9, 1923. 4 Claims. (Cl. 146—9.)

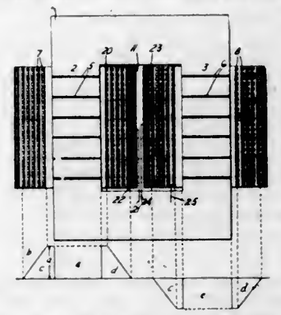


1. In a food preparing machine, a food container having a bottom opening, a removable perforated bottom member supported by said container and filling said opening, a gear fast on said bottom member, a driving shaft axially disposed in said container, upper and lower bearings for said shaft, said lower bearing being supported by said bottom member, a cross rod on said driving shaft, a pair of rolls mounted for rotation on said cross rod, and gears on said rolls engaging the fixed gear and positively rotating said rolls as said driving shaft is revolved.

1,467,771. CURRENT-LIMITING REACTANCE COIL. VERN E. ALDEN, Wilkinsburg, Pa., assignor to Westinghouse Electric and Manufacturing Company, a Corporation of Pennsylvania. Filed Nov. 20, 1917. Serial No. 203,035. 17 Claims. (Cl. 175—359.)

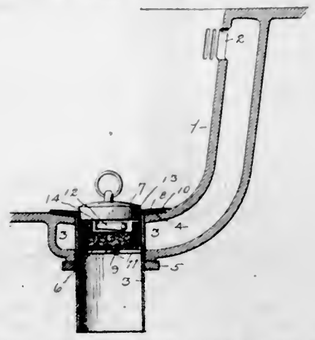
1. An electrical device comprising a magnetizable core member provided with a plurality of spaced air gaps, and

a current-carrying winding embracing said core member, said winding being divided into portions corresponding



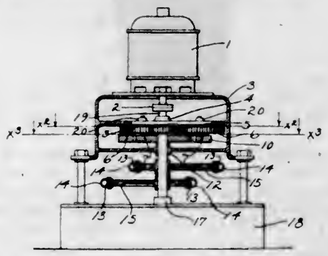
in number to the air gaps and each of said winding portions being disposed immediately adjacent to one of said air gaps.

1,467,772. OUTLET STRAINER. CONSTANTINE APPELHOFF, Dayton, Ohio. Filed Dec. 27, 1919. Serial No. 347,693. 12 Claims. (Cl. 4—35.)



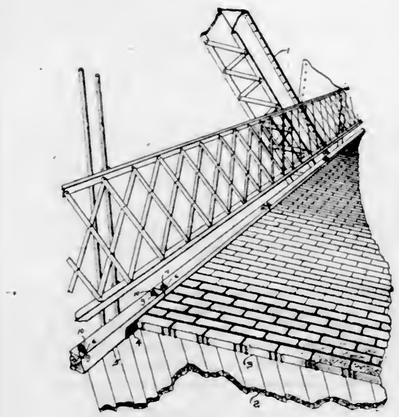
1. The combination with an outlet drain fitting of a substantially cylindrical strainer basket extending within the outlet, a peripheral flanged collar thereon overhanging the end of the outlet fitting, and a spring arm within said strainer basket, the extremity of which is extended through the side of said basket and into engagement with said fitting for releasably engaging the strainer basket with the outlet fitting.

1,467,773. PUMPING POWER FOR WELLS. EDWIN O. BENNETT, Bakersfield, Calif. Filed Sept. 29, 1921. Serial No. 504,244. 1 Claim. (Cl. 74—35.)



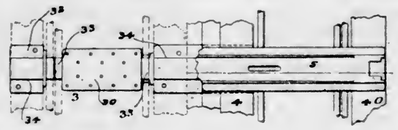
In a pumping power, the combination of a base, a frame mounted above the base in spaced relation thereto, a vertical shaft journaled in the frame, a spur pinion on the shaft, means to turn the shaft, stub shafts on the frame, spur gears on the stub shafts in mesh with the pinion, an internal spur gear, eccentric driving connections between the first spur gears and said internal spur gear, a second vertical shaft journaled at one end in the base and at its other end in the frame, a spur gear on the second shaft positioned inside of and in mesh with the internal gear, eccentrics mounted on the second shaft between the frame and base, eccentric straps on the eccentrics, and cable-connection shackles secured to the straps.

1,467,774. ADJUSTABLE FELLY GUARD. WALTER BRAUN, Columbus, Ohio, assignor to The Jennison-Wright Company, Toledo, Ohio, a Corporation of Ohio. Filed Nov. 26, 1920. Serial No. 426,491. 4 Claims. (Cl. 94—11.)



1. A way having flooring comprising series of wood blocks in transversely extending rows, marginal limiting means for the rows including a timber extending across the ends of a plurality of rows, a foundation, and bolts between the timber and the foundation holding the timber against shifting away from the foundation while permitting block shifting theretowards to move the timber for widening the way by shifting the bolt held timber.

1,467,775. CAR BOLSTER. FREDERICK W. CHRISWELL, Seattle, Wash., assignor to Pacific Car and Foundry Company, Seattle, Wash., a Corporation of Washington. Filed July 17, 1922. Serial No. 575,528. 5 Claims. (Cl. 105—228.)



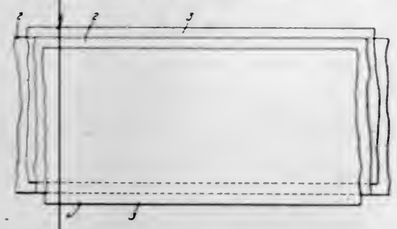
1. An extension bracket for car bolsters having a level top for the body thereof adapted to serve as a support for a bunk, an inner end portion thereof having a vertical thickness corresponding to the vertical depth of a car sill and adapted to rest upon and be secured to the outer end of the car bolster, the bracket body extending outwardly of the bolster end and a side-sill supporting arm extending from the outer end of the bracket body at the lower side thereof.

1,467,776. CONDENSER AND METHOD OF MAKING THE SAME. PAUL E. DEMMLER, Pittsburgh, Pa., assignor to Westinghouse Electric & Manufacturing Company, a Corporation of Pennsylvania. Filed Jan. 16, 1919. Serial No. 271,545. 4 Claims. (Cl. 250—41.)



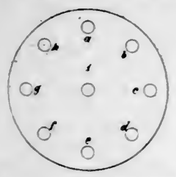
1. A condenser comprising windings of a plurality of metallic ribbons, one of which is of greater width than the other and a coating of hardened baking varnish disposed on the wider ribbon.

1,467,777. CONDENSER AND METHOD OF MAKING THE SAME. PAUL E. DEMMLER, Pittsburgh, Pa., assignor to Westinghouse Electric & Manufacturing Company, a Corporation of Pennsylvania. Filed Feb. 15, 1919. Serial No. 277,292. 2 Claims. (Cl. 250—41.)



1. A condenser comprising superimposed windings of a plurality of alternate strips of metal foil and a plurality of self-sustaining flexible strips of hardened varnish, the strips of foil being disposed in staggered relation with respect to each other and the projecting edge portions of the several convolutions of each foil being secured together.

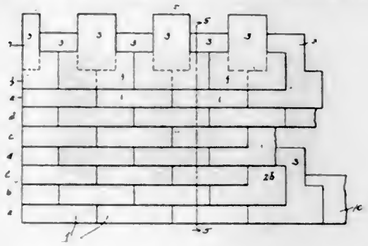
1,467,778. AUTOMATIC MACHINE FOR THE RAPID OR DIRECT PREPARATION OF COFFEE. CAMILLO DI PAOLA, Rome, Italy. Filed Aug. 27, 1921. Serial No. 495,849. 11 Claims. (Cl. 53—3.)



1. In an automatic coffee dispensing machine, a revolving platform adapted to carry a plurality of filters secured upon a vertical shaft, means for grinding the coffee and discharging it to a filter, means for discharging steam and water into a filter which has been filled with ground coffee, means for removing from said platform a filter from which the coffee infusion has been extracted, means for supplying empty filters to the revolving platform, a plurality of cams adapted to operate simultaneously all of the above mentioned means and an electric motor to drive said cams.

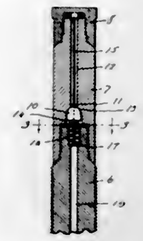
1,467,779. ROOFING. WILLIAM J. DREMANN, Cleveland, Ohio. Filed May 8, 1920. Serial No. 379,817. 2 Claims. (Cl. 108—8.)

1. A roof comprising rows of shingles, the shingles being formed of a substantially rectangular lower portion, having a centrally extending tongue, the shingles of one row breaking joints centrally with those of adjacent rows, and the tongues of each row being adapted to fit between and substantially fill the spaces between



the tongues of the row below, the shingles being long enough to extend under those of the fourth row above forming a double lap at all points.

1,467,780. TIRE VALVE. LINCOLN S. DOWNS, East Cleveland, and GEORGE HECKLING, Cleveland, Ohio. Filed July 31, 1922. Serial No. 578,605. 3 Claims. (Cl. 152—12.)



1. A valve comprising a stem and a spring integral therewith, and a plug fitting on the stem and adapted to be advanced to its seat by the spring.

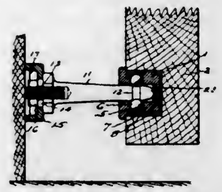
3. The combination with a tube having a bore and a cup-shaped seat at the end thereof, of a valve comprising a rubber plug having a segmental seating surface which closes against said seat and also having a central teat at its seating end which enters the bore at a close fit when the plug is seated.

1,467,781. MEANS FOR SECURING HEADED ARTICLES IN PLACE. JAMES C. DAWSON, Webster Groves, Mo., assignor to Hugh G. Buchan, St. Louis, Mo. Filed May 3, 1922. Serial No. 558,232. 5 Claims. (Cl. 129—21.)



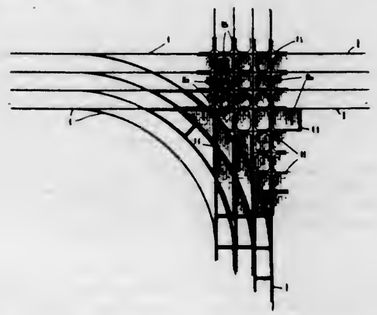
1. A method of securing a headed article in place, which consists in passing the shank of the headed article through the object to which it is to be secured, slipping over the shank of the article a flat washer, slipping over the shank of the article a piece of sheet material in the form of a frustum of a cone, the inner edge of which closely fits said shank and abuts against said flat washer, and flattening said piece of material against said washer, whereby the inner edge of said sheet material will penetrate the body of said shank.

1,467,782. DOOR STOP AND HOLDER. GUSTAF A. ENGLUND, Hartford, Conn., assignor to The Jacobs Manufacturing Company, Hartford, Conn., a Corporation of Connecticut. Filed Dec. 29, 1921. Serial No. 525,614. 5 Claims. (Cl. 292—15.)



1. A door stop comprising a socket having radial holes through its sides and means for securing it in place, members with rounded surfaces located in said holes and having portions of their surfaces extending beyond the ends of said holes into the opening in the socket, a band spring encircling the socket and bearing on said members and yieldingly holding said members with portions of their surfaces extending into the opening in the socket, and a pin with a groove near its tip adapted to enter the opening in the socket and be engaged by said members.

1,467,783. PAVEMENT. PATRICK H. FARRELL, Toledo, Ohio. Filed Feb. 4, 1919. Serial No. 274,877. 3 Claims. (Cl. 94—11.)



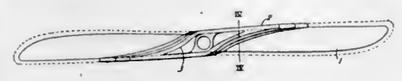
1. A base, paving blocks assembled on said base, said blocks supported by said base, a track provided with a rail having a flange integral therewith upon which flange the base rests on at least one side thereof whereby in track use settling and recovery movement of the rail is followed by the blocks only as held assembled on said base, thereby maintaining the blocks against relative disturbance from rail movement.

1,467,784. SPRING SUSPENSION FOR VEHICLES. EDWIN FRANKLAND, Pontiac, Mich. Filed Mar. 24, 1922. Serial No. 546,345. 1 Claim. (Cl. 267—41.)



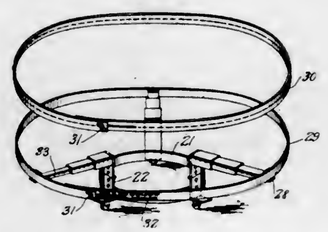
In a vehicle spring suspension, the combination with the frame and an axle of a vehicle, of a pair of leaf springs arranged transversely of the axle, and respectively forwardly and rearwardly thereof, pivotal connections between the adjacent ends of said springs and the axle, pivotal connections between the remote ends of said springs and the frame, pivotal connections between the frame and springs, at substantially central points of the latter, two of said pivotal connections to each spring being established by shackles, and a connection between the frame and axle transmitting draft stresses independently of said springs.

1,467,785. PROPELLER AND METHOD OF MAKING THE SAME. LOUIS T. FREDERICK, Wilkinsburg, Pa., assignor to Westinghouse Electric & Manufacturing Company, a Corporation of Pennsylvania. Filed Dec. 30, 1918. Serial No. 268,952. 5 Claims. (Cl. 170—159.)



1. A propeller comprising a hollow propeller-shaped shell of fibrous material impregnated with a hardened binder.

1,467,786. SKIRT MARKER. ARTHUR FUNK, New York, N. Y. Filed Aug. 17, 1920, Serial No. 404,154. Renewed Feb. 10, 1923. 2 Claims. (Cl. 33—9.)



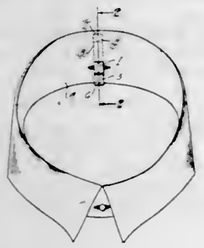
1. A skirt marker comprising a circular base ring, uprights secured to the periphery of the ring, said uprights having key-hole slots, telescopically extensible brackets, studs on the brackets for projection into the key-hole slots whereby the brackets are removably and adjustably secured to the uprights, an adjustable ring carried by the end elements of said brackets and a second adjustable ring cooperating with the first ring in marking the bottom edge of a skirt.

1,467,787. FRAME AND METHOD OF MAKING IT. WORTHY D. GEMMILL, Willoughby, Ohio. Filed May 25, 1921. Serial No. 472,438. 29 Claims. (Cl. 113—116.)



1. The method of making a frame which comprises slitting a strip longitudinally nearly but not quite to its ends and folding the material at such ends to separate the slit portions and folding each slit portion toward the other portion at regions located along each portion.

1,467,788. COMBINED COLLAR BUTTON AND NECKTIE-GUIDING DEVICE. ALBION M. GOLDSTEIN, St. Louis, Mo. Filed Dec. 11, 1922. Serial No. 606,165. 5 Claims. (Cl. 24—61.)



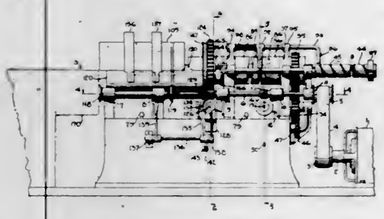
1. A combined collar-button and necktie guiding-device including a shirt-engaging head, a shank, an attaching-loop for frictionally gripping the collar, and a second loop for slip-guiding a tie in the fold of the collar.

1,467,789. ORTHODONTIST'S LOCKING DEVICE. EDWARD M. GRIFFIN, Portland, Oreg. Filed Sept. 20, 1922. Serial No. 589,446. 5 Claims. (Cl. 32—19.)



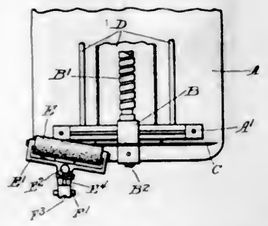
1. An orthodontic appliance comprising a tooth engaging anchoring band, a seat rigidly secured thereto, an arch wire, a block rigidly secured to the arch wire, and detachable connections between the seat and block, the lower face of the arch wire being flush with the lower face of the block, said block having an elongated groove opening at the lower face thereof for receiving the arch wire, the arch wire receiving groove being spaced between the anchoring band and the detachable connections for the seat and block.

1,467,790. MACHINE FOR OPERATING UPON STEREOTYPE PRINTING PLATES. ALBERT A. HENZI, Chicago, Ill., assignor to Goss Printing Press Company, a Corporation of Illinois. Filed Sept. 3, 1920. Serial No. 407,987. 52 Claims. (Cl. 22—3.)



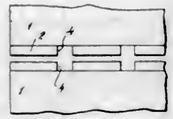
1. A machine for operating upon stereotype plates including in combination means for casting a plate including a drag, a trimming mechanism, a plate carrier movable to and fro between the casting means and trimming mechanism, means for taking the plate from the drag on to the carrier, and means for effecting relative movement of the carrier and trimming mechanism to trim the plate.

1,467,791. SLICING MACHINE. ERNEST K. HOOD, deceased, by Harriet H. Hood, administratrix, Indianapolis, Ind., assignor to American Slicing Machine Company, Chicago, Ill., a Corporation of New York. Original application filed July 2, 1919, Serial No. 308,218. Patent No. 1,372,023, dated Mar. 22, 1921. Divided and this application filed Aug. 2, 1920. Serial No. 400,774. 1 Claim. (Cl. 51—248.)



In a slicing machine having a spiral edged knife adapted to rotate across the end thereof, a sharpening device for the knife comprising a pivoted frame, a cylindrical, elongated grinding roller adapted to lie in the path of the edge of the knife and resilient means for rotating said frame into the path of said knife and holding said roller against said knife.

1,467,792. UNITING METAL PARTS. HENRY S. HOLMES, New York, N. Y., assignor to Thomas E. Murray, Brooklyn, N. Y. Filed Oct. 14, 1921. Serial No. 507,738. 5 Claims. (Cl. 219—10.)



1. The method of uniting metal parts which comprises first making a partial butt weld of the edges to be joined and then making a complete weld of the same edges at the same points in the length of such edges.

1,467,793. NONSET PHONOGRAPH STOP. LUTHER S. HOPKINS, Dubuque, Iowa. Filed Oct. 28, 1921. Serial No. 511,032. 11 Claims. (Cl. 192—118.)



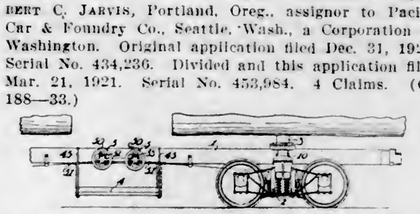
1. In a phonograph, the combination with the phonograph tone arm and spindle, of a brake mechanism, members mounted on said brake mechanism, means on said tone arm adapted to frictionally move over one of said members, and means on said spindle adapted to actuate said members to automatically cause release of the brake mechanism and stop the phonograph when said tone arm ceases to move inwardly on a record being played, and stops the relative movement of the means on the tone arm with respect to one of said members.

1,467,794. NONSET AUTOMATIC PHONOGRAPH STOP. LUTHER S. HOPKINS, Dubuque, Iowa. Continuation of application Serial No. 511,032, filed Oct. 28, 1921. This application filed July 21, 1922. Serial No. 576,441. 2 Claims. (Cl. 192—118.)



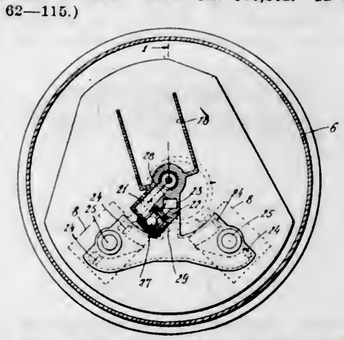
1. A non-set phonograph stop comprising a slidable bar, a control spring connected thereto, a brake shoe on said bar, a rotatable member on said bar, a member mounted on a phonograph spindle for rotating said rotatable member, a bell crank pivoted on said bar adapted to be actuated by said rotatable member, a spring carried by said bell crank, a friction member supported on said spring, an extension on said spring, engaging said bar, and means carried by a phonograph tone arm adapted to frictionally engage said friction member and cause release to permit said control spring to slide the bar into a position wherein the brake shoe will stop the phonograph when the tone arm stops moving inwardly across a record.

1,467,795. LOGGING-CAR BRAKE SYSTEM. HERBERT C. JARVIS, Portland, Oreg., assignor to Pacific Car & Foundry Co., Seattle, Wash., a Corporation of Washington. Original application filed Dec. 31, 1920, Serial No. 434,236. Divided and this application filed Mar. 21, 1921. Serial No. 453,984. 4 Claims. (Cl. 188—33.)



1. A car comprising two trucks, a connecting body, an independent brake system for each truck, and means for independently controlling said brake systems from the same location.

1,467,796. REFRIGERATING MACHINE. ALFRED D. KARR, Newark, N. J., and KARL D. PERKINS, New York, N. Y., assignors to Audiffren Refrigerating Machine Co., New York, N. Y., a Corporation of New Jersey. Filed Mar. 3, 1922. Serial No. 540,802. 12 Claims. (Cl. 62—115.)

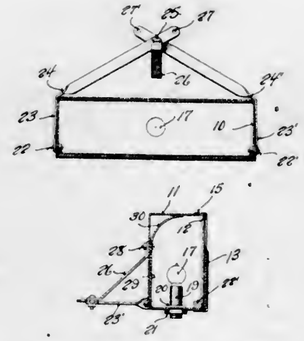


1. In a refrigerating machine, including an expansion member and a rotating compression member connected therewith, a compressor within the compression member and operated by the relative movement of the compression member with respect thereto, said compressor being free to move with the compression member under excessive pressure whereby to stop the compressing operation, and means controlled by the movement of the compressor beyond a selected angle for reducing the volume of gaseous refrigerant admitted to the compressor, thereby to permit the parts to function without increasing the compression.

1,467,797. PRELIMINARY PREPARATION OF FURNACE CHARGES FOR ORE-SMELTING FURNACES. BETHUNE GLASS KLUGH, Anniston, Ala., assignor to Southern Manganese Corporation, Anniston, Ala., a Corporation of Alabama. Filed June 7, 1918, Serial No. 238,691. Renewed Feb. 15, 1923. 1 Claim. (Cl. 75—70.)

The method of facilitating the smelting of manganese carbonate ores, which comprises mixing the crushed ore with a proportion of carbonaceous coking material and simultaneously separating the carbon dioxide from the ore and the volatile constituents of the coking material by subjecting the mixture to a temperature in the neighborhood of a low red heat, whereby a homogeneous mass suitable for smelting is obtained.

1,467,798. TAIL-LIGHT AND LICENSE-PLATE HOLDER FOR VEHICLES. OSCAR C. KRAENNIG and JOHN M. REITER, Green Bay, Wis. Filed Nov. 17, 1922. Serial No. 601,494. 1 Claim. (Cl. 40—133.)

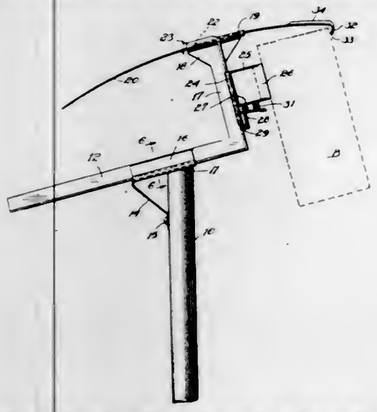


In a device of the class described, the combination of a housing, an opening at the rear thereof, a reflector within said housing, a cap covering the rear of said housing, a flange on said cap fitting against said housing, a pair of supports extending along the side of said housing, a bolt for each support extending through the rear end of each support and through said flange and side wall of said housing, said supports converging towards each other from the front wall of said housing, a brace extending from said supports at the point of intersection thereof, means securing said brace to said supports, said brace extending to the front wall of said housing, and a bolt extending through said brace, said front wall, and said reflector.

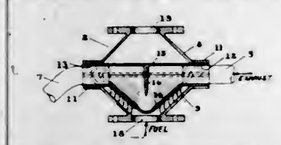
1,467,799. PACKAGE LIFTER. PAUL LARSEN, Kenosha, Wis. Filed Aug. 14, 1922. Serial No. 581,602. 8 Claims. (Cl. 294—22.)

1. In a device of the class described, a fulcrum arranged to engage the side of a package a short distance below its upper edge, a hook arranged to engage the

opposite side of the package at a point above that engaged by the fulcrum, and a handle by which the package is tilted to an inclined position so that the weight of said package serves to grip it between the fulcrum and the hook.

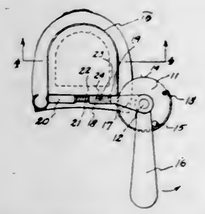


1,467,800. VAPORIZER FOR LIQUID FUEL. JESSE A. LA RUE, Birmingham, Ala. Filed Nov. 9, 1920. Serial No. 422,940. 1 Claim. (Cl. 257—241.)



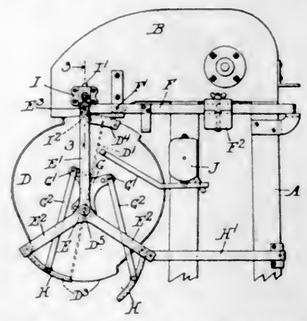
A vaporizer of the character described, comprising a chamber having gaseous fuel inlet and outlet ports, a hollow conical spreader in the chamber having its apex inverted and disposed above and concentric with said inlet port, staggered points carried by the spreader and extending therefrom substantially to the inner wall of the vaporizer, said spreader being spaced from the chamber walls to leave a flaring fuel passage in which the points are disposed to intercept any liquid particles in the gaseous fuel, inlet and outlet pipes for passing a heating medium through said hollow cone, and a transverse tapered baffle depending in the hollow cone from the top wall thereof and having its inner edge substantially equidistantly spaced from the inside wall of the cone to deflect the heating medium from a direct passage through said cone towards its apex.

1,467,801. DEVICE FOR ATTACHING CUSHION HEELS. WILLIAM L. LAURENCE, Brooklyn, N. Y. Filed June 6, 1922. Serial No. 566,440. 2 Claims. (Cl. 12—107.)



1. A device for assembling a recessed flanged cushion heel to a shoe comprising a draw band having an arcuate cross-section and adapted to partly encircle the cushion heel flange, said band being adapted to turn up the edges of the heel flange, means for contracting the operative length of said band.

1,467,802. AUTOMATIC WEIGHER. JOHN MAINLAND, Laporte, Ind., assignor to Advance-Rumely Company, Laporte, Ind., a Corporation of Indiana. Filed Dec. 20, 1920. Serial No. 431,841. 2 Claims. (Cl. 249—33.)



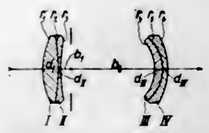
1. In an automatic grain scale, an elevator, a scale beam, and a bucket supported from said beam and adapted to rise and fall therewith and mounted for oscillation about a pivot point, a rigid means for preventing said oscillation when said bucket is raised, said means being in vertical alignment with the pivot point of said bucket.

1,467,803. ENVELOPE. OSCAR MAUTNER, New York, N. Y., assignor of one-half to Carl Kraft, New York, N. Y. Filed June 9, 1922. Serial No. 566,986. 2 Claims. (Cl. 229—70.)



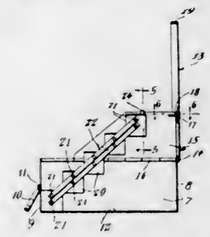
1. An envelope, having one surface additional to the sealing surface, said surface being an integral part of said envelope; directly attached to that flap of the envelope that is sealed in the process of manufacture; said additional surface being marked as a receipt and being serially numbered to correspond to said envelope; which additional surface is substantially a part of, but readily detachable from, said envelope, and which surface is part of the side or end element of said envelope and so constituted as to be within the physical limits of the envelope proper without being folded upon itself.

1,467,804. TELEPHOTO OBJECTIVE. WILLY MERTÉ, Jena, Germany, assignor to Carl Zeiss, Jena, Germany. Filed May 5, 1922. Serial No. 558,781. 1 Claim. (Cl. 88—57.)



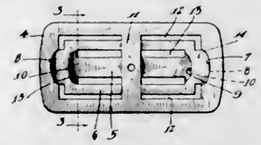
Spherically, chromatically and astigmatically corrected objective consisting of a collective front member and a dispersive back member, the hinder principal point lying in front of the foremost lens surface, each member being composed of two components of opposite sign cemented together, the components of the back member being menisci, turning their concave surfaces towards the front member, and the cemented surface of the front member being dispersive, while the cemented surface of the back member is collective.

1,467,805. DISPLAY CASE. MANFRED MEYBERG, Los Angeles, Calif., assignor to Germain Seed and Plant Company, Los Angeles, Calif., a Corporation of California. Filed Oct. 17, 1921. Serial No. 508,114. 1 Claim. (Cl. 206—45.)



In a display case, the combination of a container having a lid, flaps hinged to the ends of the container, cooperating means between the flaps and lid engageable by outward swinging of the flaps to detachably connect the lid and flaps, trays in the container, means movably connecting the trays for simultaneous operation, and cooperating means between the flaps and one of the trays to hold the flaps against inward swinging and to support said tray.

1,467,806. REED CUTTER. WILLIAM NAUJOKS and EVERETT E. MCLAUGHLIN, Los Angeles, Calif. Filed Jan. 2, 1923. Serial No. 610,171. 3 Claims. (Cl. 144—146.)



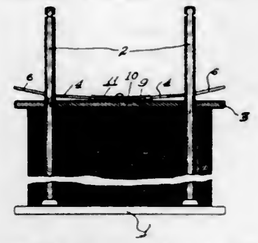
1. A reed cutter comprising a sheet metal member having outer, inner and intermediate cutter members, the outer and intermediate cutter members having cooperating cutting edges and the inner and intermediate cutter members having cooperating cutting edges.

1,467,807. NOZZLE. LEWEN R. NELSON, Peoria, Ill. Filed MAR. 1, 1920. Serial No. 362,382. 6 Claims. (Cl. 299—117.)



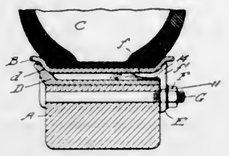
1. A hose nozzle including in its construction a hollow stem adapted for attachment at one end to a hose and closed at its other end, a sleeve enclosing the stem and having an opening at one end, the stem and sleeve engaging one another and movable relatively in a longitudinal direction, there being a spirally arranged groove between the two parts open at its ends and closed therebetween, there being an opening in the wall of the stem adapted in one position of the latter to lie opposite the groove and in another position to lie between one end of the groove and the discharge orifice or opening of the sleeve.

1,467,808. TRANSFER BINDER. GEORGE W. NEWMAN, Chicago, Ill., assignor to Wilson-Jones Loose Leaf Company, a Corporation of Illinois. Filed Oct. 27, 1921. Serial No. 510,869. 6 Claims. (Cl. 129—12.)



3. In a loose leaf binder having a lower clamping member provided with a plurality of impaling posts thereon, an upper clamping member a plurality of levers frictionally pressing against said posts, and means comprising a resilient member for pivotally anchoring said levers to said upper clamping member.

1,467,809. TIGHTENING DEVICE FOR DEMOUNTABLE WHEEL RIMS. JOHN R. OISHEI, Buffalo, N. Y., assignor to Tri-Continental Corporation, Buffalo, N. Y. Filed Sept. 3, 1919. Serial No. 321,347. 3 Claims. (Cl. 301—20.)

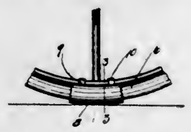


1. The combination with a wheel felly, a demountable rim and a plurality of securing devices which extend between said felly and rim for securing the rim on the wheel, of a plurality of metal tightening devices adapted to cooperate with said securing devices and each having a shank and a flange extending at an angle from said shank, said flange being adapted to extend transversely of the wheel felly and having a plurality of folded superimposed layers of metal having points of contact with one another and having open spaces at the corners of the folds to enable the folds to be compressed in the use of the device, whereby the tightening device is automatically adapted to the space to be filled between the felly and the securing device with which it cooperates.

1,467,810. HIGH-TEMPERATURE RESISTOR MATERIAL. NORMAN B. PILLING, Wilkinsburg, and ROBERT E. BEDWORTH, Pittsburgh, Pa., assignors to Westinghouse Electric & Manufacturing Company, a Corporation of Pennsylvania. Filed Oct. 25, 1921. Serial No. 510,316. 18 Claims. (Cl. 219—76.)

1. Resistor material comprising an oxide having a low negative temperature coefficient of resistivity.

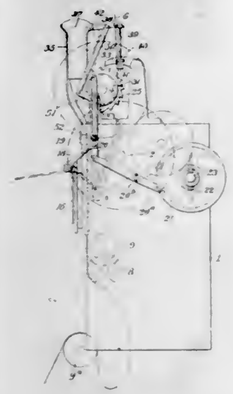
1,467,811. BABY-CARRIAGE ATTACHMENT. ALBERT LA PLANT, Bay City, Mich. Filed Sept. 10, 1921. Serial No. 499,777. 1 Claim. (Cl. 280—150.)



An attachment for baby carriages comprising a relatively short cylindrical member formed of resilient ma-

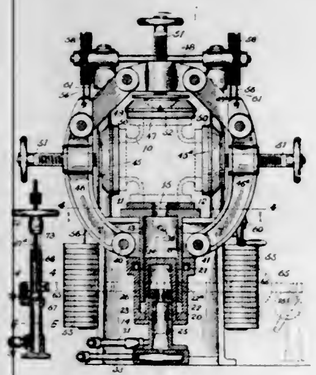
terial and having a pair of resilient metal clips moulded therein, the ends of said clips being flared to facilitate detachable engagement with the wheels of the baby carriage.

1,467,812. FIRE-PREVENTING DEVICE FOR MOTION-PICTURE MACHINES. NICHOLAS POWER, Brooklyn, N. Y., assignor to Nicholas Power Company, New York, N. Y., a Corporation of Delaware. Filed May 17, 1913, Serial No. 768,210. Renewed Dec. 17, 1919. Serial No. 345,583. 7 Claims. (Cl. 88—17.)



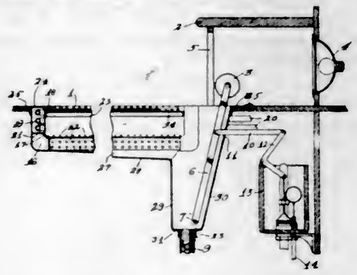
1. In a motion picture machine the combination of a plurality of successive film feeding devices and means operated by an accumulation of film between said feed devices for stopping the first of said devices without stopping the succeeding devices.

1,467,813. TESTING MACHINE FOR PIPE FITTINGS. ROBERT CARL RAHM, Wyomissing, Pa., assignor to Reading Valve and Fittings Company, Reading, Pa., a Corporation of Pennsylvania. Filed Aug. 21, 1919. Serial No. 318,985. 11 Claims. (Cl. 73—51.)



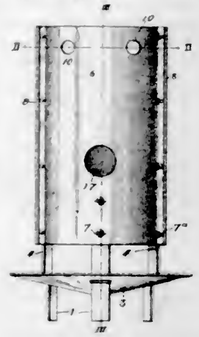
1. In a testing machine for pipe fittings and the like, an hydraulic plunger and cylinder one of which is fixedly mounted and provided with an apertured closing and supporting head for one branch of the fitting and the other of which carries a circular series of jointed closing and clamping levers, and balancing means for said jointed levers.

1,467,814. AUTOMATICALLY-FLUSHING MAT. ADOLPH P. RITTER, Chicago, Ill. Filed June 2, 1921. Serial No. 474,555. 2 Claims. (Cl. 15—237.)



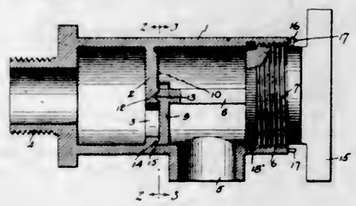
1. In combination, a grating, a receptacle beneath the grating, shoe cleaning means above the grating, and means controlled by the shoe cleaning means for supplying flush water to the receptacle.

1,467,815. STOVE. RALPH R. ROEMER, Akron, Ohio, assignor to The Akron Cultivator & Mfg. Co., a Corporation of Ohio. Filed Jan. 15, 1921. Serial No. 437,577. 6 Claims. (Cl. 126—59.)



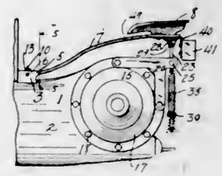
1. In a stove, a body made up of a plurality of similar portions each having radial outwardly extending abutting flanges, bolts passing through the abutting flanges of each pair of body portions, a leg attached to each body portion, a grate supported by the legs and between the body portions, an ash pan supported on the legs below the body, a liner on the grate within the body made up of a plurality of similar sections each having radial outwardly extending abutting flanges, and bolts passing through the abutting flanges of each pair of liner sections.

1,467,816. VALVE. ARTHUR E. ROPE, Brooklyn, N. Y. Filed Aug. 20, 1921. Serial No. 493,812. 5 Claims. (Cl. 251—84.)



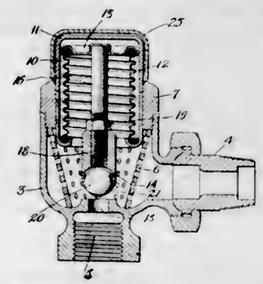
4. A valve of the character described, comprising a casing, a partition in the casing constituting a valve seat and having a port therein, said partition having in one face a central socket and a circular groove, a segmental valve in the casing, a central stud on the valve located in the socket of the partition, a flange on the valve movable in the groove of the seat, a stem on the valve having screw threaded engagement with the valve casing, a handle on the stem, whereby a turning movement of the valve imparts a longitudinal movement as well, and pins on the casing and stem permitting but a half turn to be imparted to the stem and valve.

1,467,817. SEAT SUPPORT FOR TRACTORS AND OTHER MOTOR-DRIVEN VEHICLES. FRANK A. SCHULTZ, Burnett Junction, Wis., assignor to Anton Schultz, Columbus, Wis. Filed Nov. 10, 1920. Serial No. 423,182. 6 Claims. (Cl. 155—51.)



1. The combination with a tractor body, of a bar secured at one end to the body, a seat post pivotally secured to the free end of the bar, a seat above said post, a guide for the seat post, and means for supporting the post resiliently from the guide, said guide being adapted to accommodate the swinging movement of the post which is due to the connection of said bar thereto.

1,467,818. TRAP. HERBERT ALWYN SMITH, Bethlehem, Pa., assignor to Roller-Smith Company, a Corporation of New York. Filed Aug. 21, 1919. Serial No. 318,849. 7 Claims. (Cl. 236—56.)

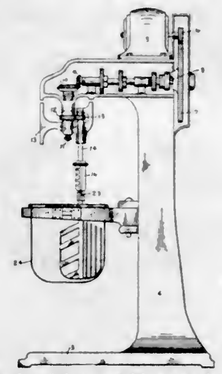


7. A trap formed by the assembly of two parts, one part comprising a generally cylindrical trap body, attachment nipple and outlet and the other part comprising a cap nut threaded into said trap body and carrying a thermostatically controlled valve adapted to close said outlet, and a strainer adapted to be contained between said parts.

1,467,819. PROCESS OF PRESERVING WOOD. RUDYARD I. SMITH, Washington, D. C. Filed Sept. 19, 1922. Serial No. 589,232. 1 Claim. (Cl. 99—12.)

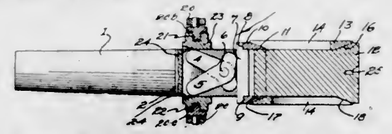
The process of treating wood for preserving it, which consists of first soaking it in a solution of sulphate of iron, and then subjecting it to a solution of sulphate of copper and tannic acid.

1,467,820. FOOD MACHINE. JOSEPHINE TRUST and HENRY TRUST, Park Ridge, N. J., assignors, by mesne assignments, to Fitchburg Machine Works, Fitchburg, Mass., a Corporation of Massachusetts. Filed Sept. 18, 1919. Serial No. 324,607. 2 Claims. (Cl. 259—102.)



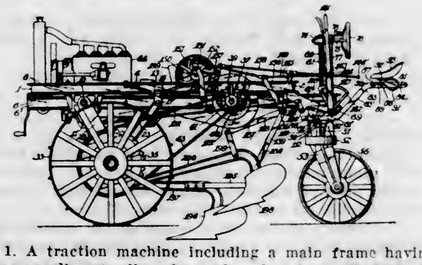
1. In a food mixing machine, a food container, a mixing tool, a shaft to rotate said tool in said container and means to connect said tool to said shaft, said means comprising a sleeve, means to detachably secure said tool to one end of said sleeve, and means to secure said sleeve to said shaft, said sleeve being axially movable to a more elevated position on said shaft to permit separation of said tool from said sleeve while within said container.

1,467,821. EXPANDING ARBOR. WALLACE W. TUTTLE, Detroit, Mich. Filed June 4, 1920. Serial No. 386,487. 3 Claims. (Cl. 82—44.)



1. In an arbor, a solid spindle provided with a slot, a pair of levers pivotally mounted therein, an annular member having a tapered peripheral face, a bar secured to the said annular member and extending through the slot, a shifting member about the spindle adjacent the slot having an internal tapered face adapted to engage the ends of the levers, an annular spring member engaging over the end of the spindle, the extreme end of the spindle being enlarged and provided with a tapered face, the spring member having a companion tapered face, and a lever whereby the shifting member may be moved to actuate the levers and expand the spring member.

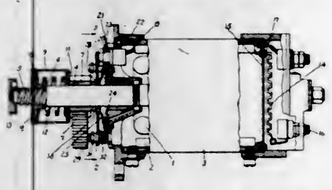
1,467,822. GENERAL-UTILITY TRACTION MACHINE. JONAS H. WIEST, Elyria, Ohio. Filed Feb. 2, 1920. Serial No. 355,580. 16 Claims. (Cl. 180—27.)



1. A traction machine including a main frame having downwardly-extending forward pedestals, a draft beam

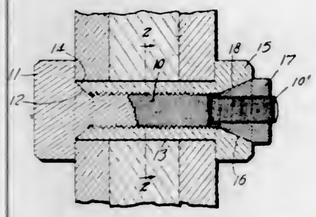
having two end portions carried by the lower portions of the respective pedestals, driving wheels supporting the pedestals repectively, and a carrying wheel supporting the rearward portion of the main frame.

1,467,823. ENGINE-STARTING APPARATUS. LIONEL M. WOOLSON, Dayton, Ohio, assignor, by mesne assignments, to Eclipse Machine Company, New York, N. Y., a Corporation of New York. Filed July 10, 1918. Serial No. 244,173. 4 Claims. (Cl. 290—38.)



1. In combination, an engine, a driven gear connected thereto, an electric motor normally having a resistance in circuit therewith, a shaft driven by said motor, a substantially unyielding driving member threaded on said shaft and having gear teeth, said teeth being adapted to cooperate with and drive said gear, but normally offset therefrom, means in the path of said driving member at a point beyond the adjacent surface of said driven gear, and adapted to be controlled by said driving member to gradually remove said resistance after initial meshing has taken place, and means to the rear of said driving member for effecting proper alignment of gear teeth should butting occur.

1,467,824. BOLT AND NUT LOCK. DAVID E. AHLERS, Carlisle, Pa. Filed June 24, 1922. Serial No. 570,689. 3 Claims. (Cl. 151—16.)



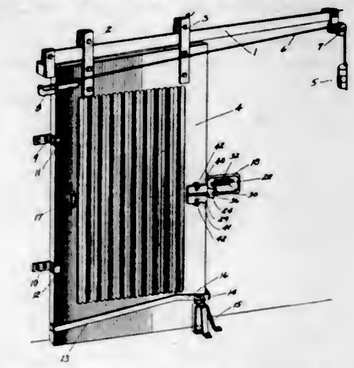
1. A nut lock comprising a threaded bolt having a tapered portion connecting the threaded bolt and head, a sleeve having a taper formed at its end complementary to the taper adjacent the head and having an inset tapered socket at its opposite end, and a nut positioned upon the end of the bolt having a conical portion positioned in said last-mentioned tapered socket.

1,467,825. ARC-WELDING COMPOSITION. JAMES C. ARMOR, West View Borough, Pa. Filed Aug. 9, 1921. Serial No. 490,919. 3 Claims. (Cl. 219—4.)

1. An arc-welding composition containing zirconia.

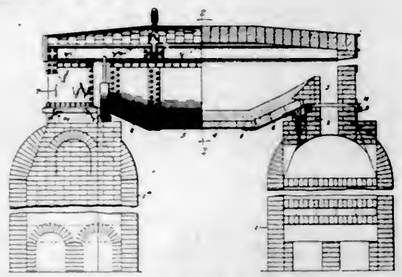
1,467,826. FIRE-DOOR BINDER. CLARENCE R. BUMBARGER, Kansas City, Mo., assignor to George W. Johnson Manufacturing Company, Kansas City, Mo., a Corporation of Missouri. Filed Oct. 16, 1922. Serial No. 595,015. 5 Claims. (Cl. 189—47.)

1. A binder for fire doors comprising a bracket for attachment to the fire door, a tongue on the bracket, a complementary member to be normally confined within a recess in the wall adacent to the door and having means tending to urge it into engagement with the



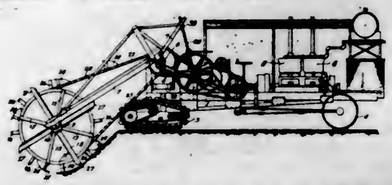
tongue, and a fusible means for holding the member within the recess until the fusible means is fused by a rise in temperature.

1,467,827. OPEN-HEARTH FURNACE. CLYDE C. BUMBAUGH, Canton, Ohio, assignor of three-elevenths to A. Diekman, two-elevenths to H. A. Plantz, one-eleventh to H. L. Gray, and one-eleventh to W. R. Davis, all of Canton, Ohio. Filed Apr. 15, 1922. Serial No. 552,896. 4 Claims. (Cl. 263—16.)



1. An open hearth regenerative furnace of the character described including a regenerative chamber, provided with gas passages in its upper end, a tilting body mounted upon the regenerative chamber and vertical ports formed integral with the body and registering with said gas passages, and rockers at one side of the tilting body upon which the same is arranged to be tilted.

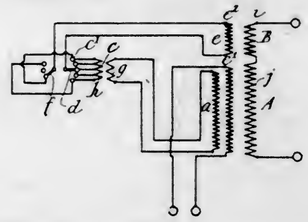
1,467,828. MACHINE FOR MAKING DITCHES. HANS J. BENTSON, Kenosha, Wis., assignor, by mesne assignments, to F. C. Austin Machinery Company, a Corporation of Illinois. Filed Sept. 15, 1919. Serial No. 323,837. 11 Claims. (Cl. 37—90.)



1. In an excavator for making a ditch, a body frame mounted to travel on the surface of the ground ahead of the ditch, a beam extending downward and rearward

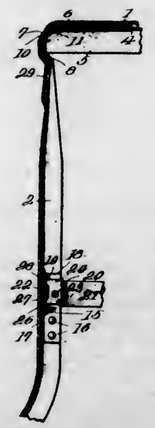
and mounted to swing up and down at the rear of said body frame, a wheel mounted to rotate at the lower end of said beam and provided with instrumentalities for cutting the sides and also the transverse bottom of a ditch having sloping sides, an endless belt arranged for driving said wheel, a series of buckets on said belt and operating within the depth of said cutting instrumentalities to take up the loose dirt from the bottom of the ditch, traction means for propelling the body frame forward, and power transmitting connections for driving said belt.

1,467,829. ELECTRIC TRANSFORMER ARRANGEMENT. FREDERICK EDMUND BERRY, Hayes, England. Filed Jan. 20, 1921. Serial No. 438,704. 7 Claims. (Cl. 171—119.)



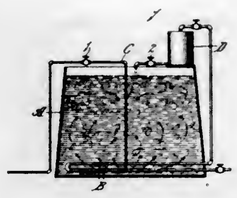
1. A transformer arrangement comprising a main transformer, an auxiliary transformer one of the windings of which is connected in series with one of the windings of the main transformer whilst its other winding constitutes a voltage regulating winding, a supplementary winding inductively associated with the main transformer, a tertiary transformer connected to the supplementary winding and regulating switch mechanism associated with the tertiary transformer and whereby the effect of the supplementary winding on the voltage regulating winding can be varied to suit requirement.

1,467,830. KNOCKDOWN STOOL. ATWOOD L. BOGGS, Stoughton, Mass., assignor to Perfection Cooler Company, Stoughton, Mass. Filed Sept. 29, 1922. Serial No. 591,363. 8 Claims. (Cl. 155—194.)



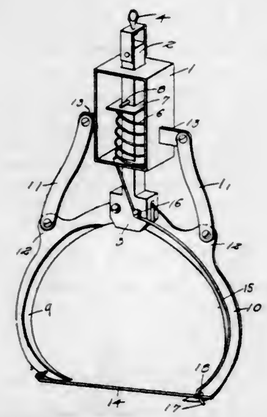
1. A knock-down article comprising a seat having leg receiving openings, legs having their upper ends bent to lock them in place when they are passed through the seat openings, the lower portion of the legs bent into a U-shape, a U-shaped plate secured in the U-shape bend of the legs, said plate having upwardly extending arms, and a brace having U-shaped bends adapted to embrace the said arms.

1,467,831. PROCESS FOR TREATING PETROLEUM EMULSIONS. WILLIAM S. BARNICKEL, St. Louis, Mo., assignor to Wm. S. Barnickel & Company, St. Louis, Mo., a Corporation of Missouri. Filed Jan. 4, 1919. Serial No. 269,575. 10 Claims. (Cl. 196—26.)



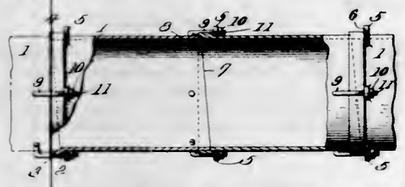
10. In the art of treating roily oil and bottom settlings, the process which comprises thoroughly commingling a sulfo fatty acid with the oil to be treated, thereby freeing the globules of water from the oil, and then permitting the relatively heavy substances in the oil to drop to the bottom of the mass, whereby the oil is separated from the water and impurities.

1,467,832. ANIMAL TRAP. BENJAMIN W. BOOTH, Ketchikan, Alaska. Filed Dec. 7, 1922. Serial No. 605,439. 3 Claims. (Cl. 42—89.)



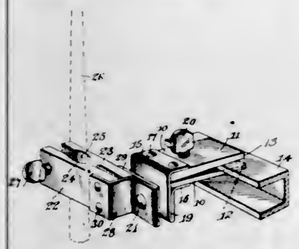
1. An animal trap comprising a frame, a stem slidably mounted in the frame, a spring normally tending to hold the stem in withdrawn position, complemental jaws carried by the stem, a catch pivoted to the stem and adapted to engage the said frame and one of the jaws to hold the stem projected and the jaws in open position, and a trip extending across the space formed between the jaws when the latter are in open position and adapted to be actuated by the animal to effect release of the catch to admit of automatic closing of the jaws to grip and hold the animal.

1,467,833. PIPE CONNECTION. DAVID W. BOYEE. Waterloo, Iowa. Filed July 26, 1921. Serial No. 487,641. 5 Claims. (Cl. 285—107.)



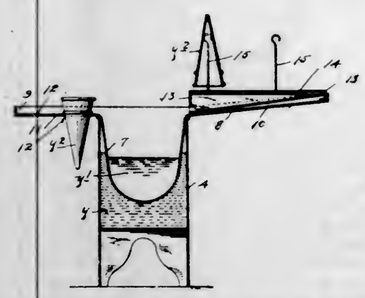
1. A pipe connection or the like, comprising two pipe sections having the plane of their engaging ends oblique to the axis, one end surface of each pipe section surrounded by a collar at right angles to the pipe, and means for fastening the sections together, for the purpose described.

1,467,834. EMBLEM HOLDER. CLEMENT A. BRECH, Warrensburg, Mo. Filed Jan. 7, 1922. Serial No. 527,654. 2 Claims. (Cl. 248—37.)



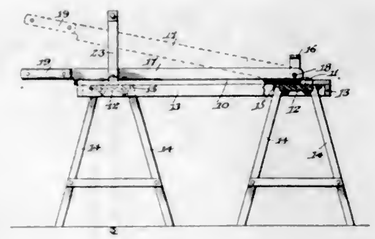
1. A device for the purpose set forth comprising a pair of holders, each provided with a pair of resilient arms, one of the arms of each pair being angle shaped and having its outer portion opposing the other arm of the pair, a pair of clamping members superposed between and projecting from one pair of said arms, a pair of opposed gripping members extended between and secured to and further projecting from the other of said pair of arms, a shiftable means carried by one and engaging in the other of the clamping members for moving them to clamping position, shiftable means carried by one and engaging in the other of the gripping members for moving them to gripping position, and means for connecting the holders together.

1,467,835. APPARATUS FOR COATING ICE-CREAM CONES. MAXIMILIAN E. BUHSE, Minneapolis, Minn. Filed Apr. 5, 1922. Serial No. 549,685. 3 Claims. (Cl. 91—4.)



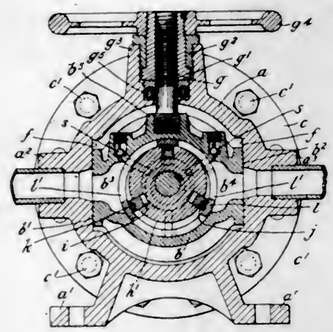
1. An apparatus for coating or lining ice cream cones comprising a hot water tank, a vat for coating material set into the tank, a drip board supported adjacent to one side of said vat and arranged to deliver the drippings back into said vat, and a cone supporting post supported above said drip board.

1,467,836. CORN-FODDER KNIFE. FRANK CABALKA, Geddes, S. Dak. Filed Dec. 11, 1922. Serial No. 606,169. 2 Claims. (Cl. 146—23.)



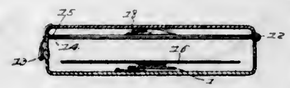
2. An apparatus of the character set forth having a platform with a support and connecting cleats, said platform having a slot transversely to said cleats; guides, and a divided bracket connected respectively to said cleats near the opposite ends of said slot, a ledger blade resting at its ends on said cleats and against one wall of the slot, and a movable blade pivoted in said bracket and working in said slot and guides.

1,467,837. ROTARY MOTOR, PUMP, AND THE LIKE. FREDERICK CHARLES THOMAS COLEBROOK, London, England. Filed June 23, 1921. Serial No. 479,875. 2 Claims. (Cl. 133—120.)



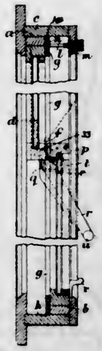
2. A device of the character described comprising a fixed outer cylinder of cylindrical shape and having inlet and discharge passages, an inner cylinder mounted to slide in the fixed outer casing and having inlet and discharge passages registering with the inlet and discharge passages of the fixed outer casing, a shaft journalled concentrically in the outer cylindrical casing and extended through the inner cylinder, a rotor mounted on the shaft and enclosed in the inner cylinder, the inner cylinder being capable of being eccentrically disposed with relation to the rotor to form the working chamber, pairs of thrust rings arranged between the ends of the rotor and casing, the inner ring of each pair being pressure balanced to admit a portion of the working fluid to its outer face through a valve controlled passage in the wall of the inner cylinder, vanes or pistons mounted to slide in radial guides in the rotor and means capable of being operated from outside the casing to displace the inner cylinder transversely of the axis of the rotor to vary the eccentricity of the inner cylinder with relation to the rotor from a maximum to zero or to reverse the apparatus.

1,467,838. CARDCASE. WILLIAM GEORGE HENRY COOK, Lethbridge, Alberta, Canada. Filed Feb. 24, 1922. Serial No. 538,940. 1 Claim. (Cl. 206—39.)



A playing card case having box and lid members respectively provided interiorly with a yieldingly supported rest and a bearing member arranged in opposed relation for engagement with an interposed pack of cards, the bearing element consisting of a spherically concaved disk having an annular parallel edge for contact with the surface of the uppermost card of the pack.

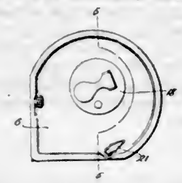
1,467,839. WINDOW AND VENTILATOR. ERNEST WILLIAM COTTER, Sydenham, London, and ERNEST TROUGHTON, Brockley, London, England, assignors to J. Stone & Company Limited, Deptford, England. Filed Nov. 26, 1920. Serial No. 426,555. 7 Claims. (Cl. 268—4.)

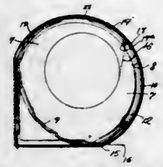


1. A window or ventilator opening and closing mechanism comprising a rack fixed on the member to be operated, a rack fixed on an adjacent support, a pinion in mesh with the racks, a carrier revolubly supporting said pinion, and a lever for manually operating said carrier to effect the opening and closing of the window and having a limited motion for enabling said pinion to roll on the secondly named rack.

1,467,840. TAPELINE CASE STRUCTURE. CHARLES W. CROGAN, Bangor, Me. Filed Dec. 1, 1919. Serial No. 341,607. 11 Claims. (Cl. 33—138.)

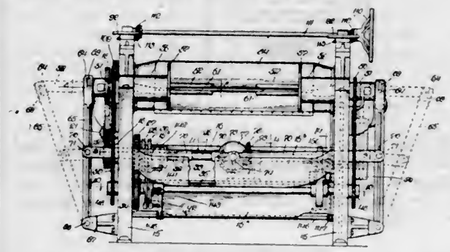
1. In a tape measure, a case including side walls and interfitting inner and outer flanges thereon, an extension carried by the inner flange extending across the interior of the case and constituting a guide for a flexible tape line, and a series of spacing elements formed





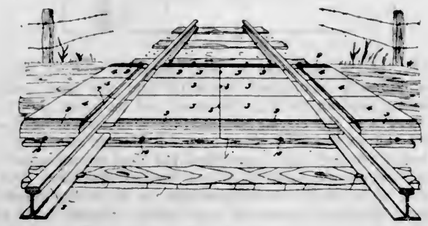
on the inner flange and extension for maintaining the flexible tape line in contact with portions of the case flanges.

1,467,841. AUTOMATIC SHEET WINDING AND MEASURING MACHINE. HARRY A. CUMFER, Chicago, Ill., assignor to Guyton & Cumfer Mfg. Co., Chicago, Ill., a Corporation of Illinois. Filed Oct. 17, 1921. Serial No. 508,229. 12 Claims. (Cl. 242—56.)



12. A roll winding machine having means to receive the end of a sheet and wind it into rolls; a pair of feed rolls for continuously moving the sheet; a rotatable knife for severing the sheet, located after the feed rolls and between the feed rolls and the winding mechanism, means stopping rotation of the winding mechanism without stopping the movement of the sheet and means for operating the knife at regular intervals.

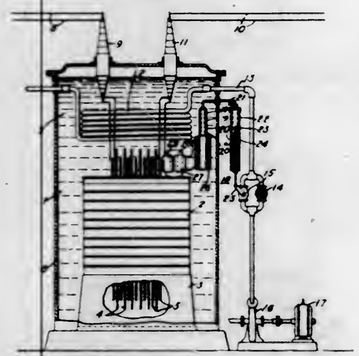
1,467,842. RAILWAY CROSSING. WILLIAM DALEY, JOHN DALEY, and JOSEPH DALEY, Bolivar, Ohio. Filed Oct. 8, 1921. Serial No. 506,390. 1 Claim. (Cl. 238—8.)



A railway crossing comprising in combination with ties and rails, a plurality of blocks loosely mounted upon the ties upon each side of the rails, the blocks

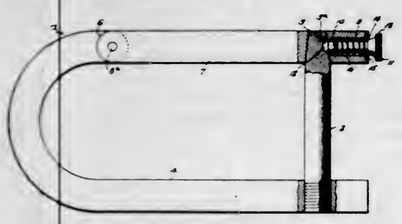
being of a sufficient width to span two adjacent ties, each of the blocks between the rails being of sufficient length to span half of the distance between the rails, each block being provided upon the end adjacent to the rails with a reduced extension of sufficient length to permit contact with the webs only of the rails and vertical grooves upon the contacting edges of the blocks between the rails to permit the insertion of a tool for removing the blocks.

1,467,843. PROTECTIVE SYSTEM. WALTER M. DANN, Wilkinsburg, and CHARLES LE G. FORTESCUE, Pittsburgh, Pa., assignors to Westinghouse Electric and Manufacturing Company, a Corporation of Pennsylvania. Original application filed Sept. 10, 1915, Serial No. 50,112. Divided and this application filed Nov. 11, 1918, Serial No. 331,493. Renewed Oct. 17, 1919. 13 Claims. (Cl. 173—361.)



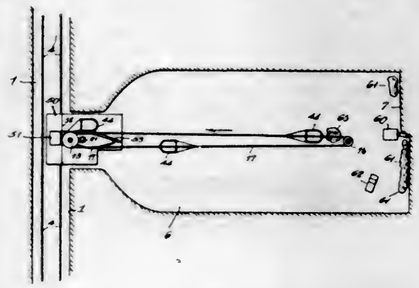
1. The combination with an electrical device, and means for delivering a cooling medium thereto, of means influenced both by the load current of said device and by the temperature thereof for governing the delivery rate of the cooling medium.

1,467,844. HINGE LOCK CLEVIS. LOUIS H. DAMM, Great Bend, Kans. Filed Apr. 28, 1921. Serial No. 465,186. 3 Claims. (Cl. 278—96.)



1. A clevis including a body portion with a latch arm hingedly connected herewith and provided with a socket opening through its outer end perpendicular to the length of the clevis, and another socket entering the outer end of the latch arm perpendicular to the length of said latch arm and intersecting the first named socket, a connecting rod secured to one end of said body and having a tapered free end adapted to enter the transversely arranged socket of the latch member, and a spring-urged pin mounted in the longitudinal socket of said latch and provided with a rounded end, said tapered rod having a correspondingly shape notch to receive the pin when the parts are in closed position.

1,467,845. SYSTEM AND APPARATUS FOR CONVEYING COAL. KENNETH DAVIS, St. Benedict, Pa., assignor to Rembrandt Peale, St. Benedict, Pa. Filed Dec. 12, 1918. Serial No. 266,505. 7 Claims. (Cl. 214—1.)



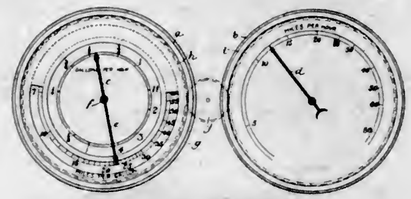
1. A coal conveying device including in combination a coal delivery device at the mouth of a room, a sheave in fixed position relatively thereto, a sheave near the room face, supporting means therefor removable from one position to another, an endless cable running over said sheaves, and a bottomless scraper connected to and dragged by the endless cable in unidirectional, endless path.

1,467,846. TRAP. CHARLES H. DUGAS, Marshall, Minn. Filed Jan. 5, 1922. Serial No. 527,127. 6 Claims. (Cl. 43—87.)



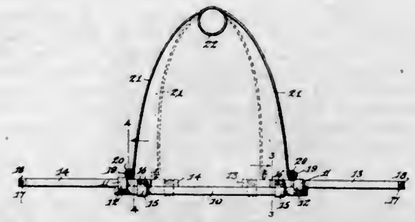
1. A trap comprising a base noose holding means including an element extending beneath the base and fastener means extending through said base and the element and beneath the same for securing the noose holder and base, ensnaring means carried by the base and including a choker having its free end portion in the form of a running noose, and means for drawing upon said line to tighten the noose about an animal, a latch engaging means carried by said line, and a trigger for engaging the latch and releasably holding the latch in a set position with the noose held open by the noose holding means and the latch engaging means of the line engaged with the latch.

1,467,847. INDICATING MECHANISM. CHARLES FULTON, London, England. Filed Feb. 14, 1923. Serial No. 618,968. 2 Claims. (Cl. 235—1.)



1. A device for indicating the distance covered by a motor vehicle per unit of quantity of liquid fuel used by the internal combustion engine thereof, comprising a stationary dial calibrated to indicate the quantity of liquid fuel used per hour, a pointer actuated by a flow-meter mechanism and co-operating with said dial, a movable scale arranged adjacent to said dial and calibrated to indicate the distance travelled per gallon of fuel, a second pointer actuated in unison with the first mentioned pointer and co-operating with the movable scale, and means for shifting said scale relatively to second pointer.

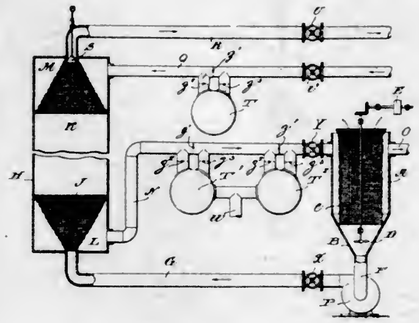
1,467,848. SKIRT HANGER. ROBERT H. GIBBS and BYRON W. THIELE, Portland, Oreg. Filed Aug. 1, 1922. Serial No. 578,924. 1 Claim. (Cl. 211—13.)



A skirt hanger comprising a rectangular support, a pair of automatically adjustable and oppositely extending laterally movable rectangular hanger arms slidably mounted on the top of said support, a yoke-shaped guide secured to the sides at the inner end of each of said arms and overlapping and slidably connecting said arms to said support, an inverted yoke-shaped combined stop and guide secured to the sides at each end of said support and overlapping and slidably connecting said arms to the support, an expansible and contractile bail coiled centrally of its ends to provide a pair of resilient arms, each of said bail arms having its free end formed with a loop, a vertically extending eye secured to the inner end of each of said hanger arms forwardly with respect to a guide and loosely connecting a looped end of a bail arm to a hanger arm, said eyes disposed at the longitudinal center of and extending transversely with respect to said hanger arms and engagenble by said combined guide and stop members to arrest the outward movement imparted to said hanger arms by said bail arms.

1,467,849. DIFFUSING APPARATUS. WALTON C. GRAHAM, Denver, Colo. Original application filed Dec. 2, 1918, Serial No. 264,974. Divided and this application filed Sept. 8, 1923. Serial No. 586,846. 5 Claims. (Cl. 127—6.)

1. Diffusion apparatus comprising a tank, a bopper, a foraminous partition in said hopper dividing the latter into two compartments constituting a first and a second compartment, a pipe communicating with said first compartment and the interior of said tank, propelling means for passing material through said pipe toward said tank, a second pipe extending from said tank to said second compartment, a foraminous screen in said tank extending across said tank between said first and said second pipe



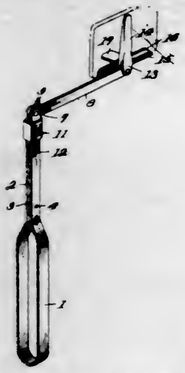
openings, an overflow pipe leading from said second compartment and near the top of said hopper and at a level above the level of the bottom level of said tank, and a third pipe leading into said tank and constituting means for supplying liquid to said tank and hopper and maintaining the liquid level up to that of said overflow pipe.

1,467,850. DENTAL FILM HOLDER. DANIEL L. HALL, Columbia, S. C. Filed Dec. 15, 1921. Serial No. 522,661. 5 Claims. (Cl. 250—34.)



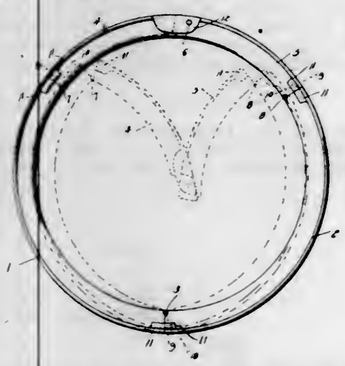
1. A film pack holder comprising a handle, an arm pivotally mounted on said handle and mounted to swing in the plane of the handle, a film pack holder carried by the free end of said arm and mounted to swing in the plane of the arm and means movably mounted on said arm for locking said film pack holder in adjusted position on said arm.

1,467,851. DENTAL FILM HOLDER. DANIEL L. HALL, Columbia, S. C. Filed Sept. 12, 1921. Serial No. 499,934. 7 Claims. (Cl. 250—34.)



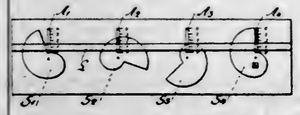
1. A film holder comprising an arm adjustably mounted on said handle and mounted to swing in the same plane of the handle and a film holder carried by the end of the arm and mounted to swing in the same plane as the arm.

1,467,852. DEMOUNTABLE RIM. MARCELLUS C. HALL, West Marion, S. C. Filed Dec. 14, 1922. Serial No. 606,911. 1 Claim. (Cl. 301—32.)



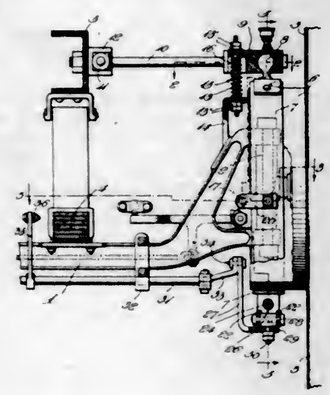
A demountable rim, comprising a plurality of hingedly connected sections having the terminal portions of the flanges enlarged to form abutments, certain enlargements having dowels projecting therefrom to enter sockets in adjacent enlargements, and ears projecting from other enlargements and overlapping and pivoted to the enlargements of the adjacent section.

1,467,853. LEVEL-INDICATING ARRANGEMENT. ROBERT HEINOLD, Kiel, Germany. Filed Mar. 6, 1923. Serial No. 623,241. 2 Claims. (Cl. 106—129.)



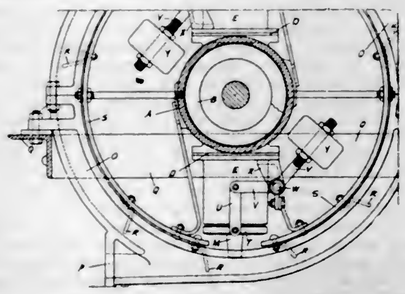
2. In an indicating device of the character described, a plurality of indicators, each indicator including a rotatable disk whose periphery forms an Archimedean curve, a casing for said indicators, said casing being provided with a plurality of spaced parallel slots cooperating with said rotatable disks, said disks when rotated appearing as if moved in a straight line relative to their associated slots, and a bar extending across said slots and slidable on the face of said casing, for the purpose described.

1,467,854. AUTOMOBILE BRAKE. ARTHUR HUBALEK, Brooklyn, N. Y. Filed Sept. 1, 1922. Serial No. 585,678. 14 Claims. (Cl. 188—194.)



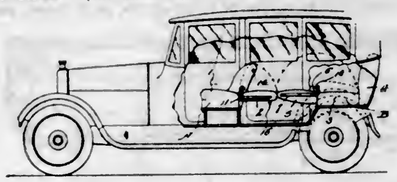
3. An automobile brake for a knuckle carried wheel comprising a drum for attachment to the wheel, a brake band surrounding said drum, a V-shaped radius rod whose ends are adapted to be pivoted to the chassis frame of vertical swinging, and a universally movable connection between the crotch portion of the radius rod and the upper side of said band adapted for vertical alinement with the knuckle pivot.

1,467,855. MACHINE FOR CENTRIFUGALLY SEPARATING SOLIDS FROM LIQUIDS. GEORGE JOHNSTON, Manchester, England. Filed Mar. 2, 1923. Serial No. 622,348. 4 Claims. (Cl. 233—20.)



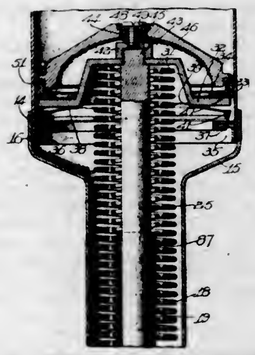
1. A device for controlling the discharge of solids from centrifugal machines of the type set forth consisting of a casing guided radially in the plane of rotation of the machine, means permitting of communication between the inner end of the casing and that part of the centrifugal machine wherein the solid matters collect and of substantially free radial movement of the casing, a stationary valve member with which the outer end of the casing coacts, and a centrifugal mass controlling the casing, as set forth.

1,467,856. AUTOMOBILE BED. CARL G. KELLER, Detroit, Mich. Filed Oct. 24, 1922. Serial No. 596,663. 1 Claim. (Cl. 155—7.)



A vehicle provided with spaced alined front and rear seats, a rearwardly swinging hinged back for the front seat, means to support said back in horizontal alinement with the front and rear seats when swung rearwardly, a double cushion for the rear seat, the two parts of said double cushion being connected at adjacent edges to permit one part to be swung forwardly to a horizontal position between the back of the front seat and the other part of said cushion, and means to support said one part of the cushion in its forwardly swung horizontal position, said back and cushion supporting means comprising bars fixed to the sides thereof and having rigid laterally projecting hooks upon the inner ends thereof adjacent the pivots of the back and the cushion, and stop pins fixed above said pivots adapted to be engaged by said hooks when the back and cushion are alined.

1,467,857. FIRE EXTINGUISHER. ALBERT E. KIRCHER, Chicago, Ill., assignor to Continental Distributors, Inc., Chicago, Ill., a Corporation of Illinois. Filed Sept. 15, 1917. Serial No. 191,516. 10 Claims. (Cl. 299—92.)

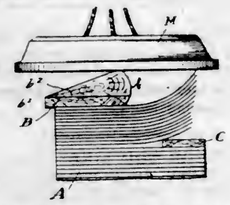


1. In a fire extinguisher, the combination of a container for containing a fluid fire extinguishing material, a plunger movable therein for ejecting said material, spring actuating means for actuating said plunger, a seat behind said plunger, and means for holding said plunger against said seat when the extinguisher is charged.

1,467,858. PROCESS FOR TANNING FISH SKINS. EUGEN KNUDSEN, Trondhjem, Norway. Filed Mar. 19, 1921. Serial No. 453,741. 6 Claims. (Cl. 149—4.)

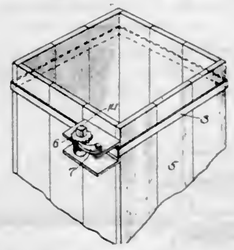
6. A process for tanning fish skins, wherein the skins are, after liming, treated in a salt solution to which an acid solution is added, washed in water and treated with an acid chromate of potassium solution of forty five grammes of chromate in two and a half litres of water and eight grammes of hydrochloric acid for each kilogramme of skins, at a temperature of about 20° C. for about four hours, the skins being first placed in a diluted proportion of the solution to which increasing proportions of the solution made progressively less dilute are added from time to time, after which the skins are washed, left for three and a half hours protected from light, and then reduced by sodium thiosulphate one hundred and thirty grammes in two and a half litres of water for each kilogramme of skins to which ten grammes of hydrochloric acid in one half a litre of water is added in about ten separate portions at intervals of about a quarter of an hour.

1,467,859. PROCESS OF LOOSENING (OPENING) TIN PLATES FOR COLD ROLLING. ALBERT KONTSEK, Meadowlands, Pa. Filed Aug. 17, 1921. Serial No. 493,144. 6 Claims. (Cl. 29—19.)



6. The herein described method of separating adherent tin plates, or the like, which consists in arranging a pile or column of plates and an electro-magnet in slightly separated relation and interposing an insulating block, then energizing the magnet, whereby side or end portions of the uppermost plate are torn loose and pulled away from the next underlying plate, then subjecting the latter plate to the action of said magnet, whereby side or end portions thereof are torn loose and pulled away from the next succeeding plate, and so on, successively, until a batch of plates are partly separated, then arranging the magnet so as to act upon the other side or end portions of said plates and subjecting the remaining unseparated portions of the plates successively to the action of said magnet.

1,467,860. COLUMN CLAMP. LYDIA LAMPERT, Chicago, Ill. Filed Apr. 22, 1922. Serial No. 556,061. 2 Claims. (Cl. 24—19.)

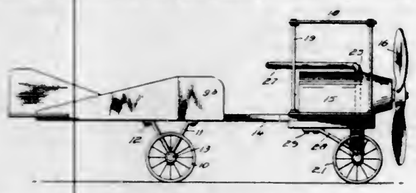


1. A clamp for concrete molds comprising a support, a single arbor journaled thereon, so as to be removed from said support only by dismantling the clamp, a flexible binding member permanently attached at one end to said arbor, and having its other end normally free, coacting means on said support and said other end of said strap, whereby said strap may be detachably connected to said support after having been wrapped around a mold and then being drawn up tight by said arbor, and means for locating said arbor to hold said binding member in its drawn-up position.

1,467,861. TOY AEROPLANE. WILLIAM R. LA PLANTE. St. Paul, Minn. Filed June 1, 1921, Serial No. 474,066. Renewed Mar. 3, 1923. 1 Claim. (Cl. 208—165.)

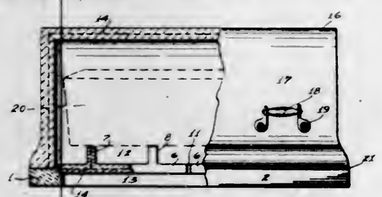
A toy aeroplane, comprising upper and lower planes joined together in spaced, spread relation, front and rear supporting wheels therefor, a body member between the planes and supported by the lower plane, a propeller car-

ried by the body member, a seat to the rear of the body member and in front of the rear wheels cut away on opposite sides to constitute a seat to be straddled by a child for propelling the aeroplane along the ground, and



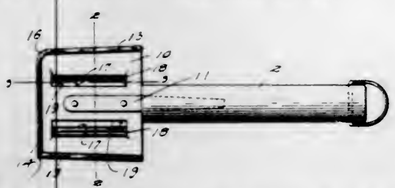
an integral steering post connected to the front axle and rising therefrom through the body member and bent at right angles rearwardly to extend between and rearwardly beyond the planes over the body member toward the seat to constitute a steering handle.

1,467,862. VAULT OR THE LIKE. HARRY AUGUSTUS LEDYARD and JAMES JULE JELLEY, Ashland, Ohio. Filed Apr. 3, 1922. Serial No. 548,955. 7 Claims. (Cl. 72—7.)



1. In a vault, an integral foundation having an opening therein and rabbeted around said opening, a supporting member adapted to be slidably mounted on said rabbeted portion of the foundation, lugs having apertures formed in the upper portion thereof and an integral hollow body composed of a top, sides and end portions mounted on the foundation in spaced relation from the sliding supporting member as for the purpose described.

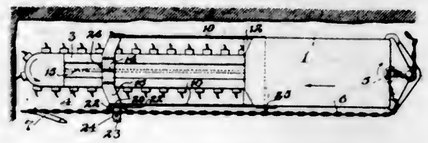
1,467,863. FRUIT AND VEGETABLE PEELER. HENRY H. LIBBING, San Francisco, Calif. Filed Feb. 17, 1921. Serial No. 445,727. 1 Claim. (Cl. 30—29.)



A knife having a one-piece blade provided with struck-out portions constituting cutting members having their cutting edges facing each other, said cutting members being spaced apart whereby the intermediate portion of the blade constitutes a bar, and a handle-attaching shank disposed along and secured to said bar.

1,467,864. MINING MACHINE. JACOB M. LONDON, Tunnelton, Pa., assignor, by mesne assignments, to The Jeffrey Manufacturing Company, Columbus, Ohio, a Corporation of Ohio. Filed Dec. 7, 1916, Serial No. 135,664. Renewed Jan. 15, 1921. Serial No. 437,631. 33 Claims. (Cl. 262—30.)

1. In a mining machine which is freely and universally slidable over the floor during operation, the combination of a main frame, a cutter bar projecting forward therefrom, and a supplemental frame normally supported on and movable over the floor, and having a transverse bar underlying the main frame, a transverse bar underlying the cutter bar at points in front of the main frame and



longitudinal bars rigidly connecting the said transverse bars, said supplemental frame supporting the main frame and the cutter bar during the sumping operation, and permitting them to slide upon it as they are moved forward.

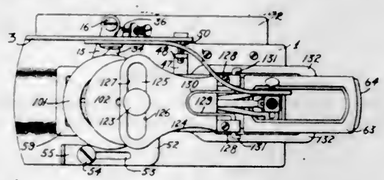
1,467,865. DRAWBAR FOR DRAGS. VENNICE H. MARK, Alta, Iowa. Filed Feb. 1, 1922. Serial No. 533,451. 8 Claims. (Cl. 55—84.)



1. A draw bar structure for drags having a draw bar carrying draft attaching means and a draw beam of extensible construction consisting of an intermediate member attached to and arranged in parallelism with the draw bar and terminal elements movably connected with the extremities of said intermediate element and extending in their adjusted positions beyond the ends of the draw bar, the terminal elements of the draw beam being hingedly connected with the extremities of the intermediate element thereof and being foldable between said intermediate element and the draw bar.

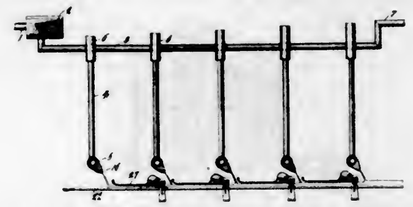
8. A draw bar structure for drags having a draw bar carrying draft attaching means and a draw beam of extensible construction consisting of an intermediate member attached to and arranged in parallelism with the draw bar and terminal elements movably connected with the extremities of said intermediate element and extending in their adjusted positions beyond the ends of the draw bar, said draft attaching means consisting of a draft connection terminally attached to the draw bar at its extremities and of a length greater than the intervals between the points of attachment, and a bracket carried by the draw bar midway between said points of attachment and carrying an equalizing pulley and a draft hook, said bracket being provided with a hinged side cheek and means for securing the same in its normal position.

1,467,866. ATTACHMENT FOR SEWING MACHINES. ALBERTUS B. MATTINGLY, New York, N. Y. Filed Nov. 7, 1919, Serial No. 336,257. Renewed Feb. 12, 1923. 18 Claims. (Cl. 112—77.)



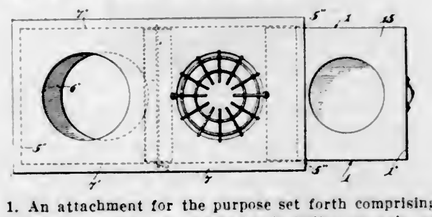
1. In an attachment of the character stated, the combination of stitching mechanism including a needle, a work clamp, a fixed stud, a laterally slidable member guided by said stud, a shield pivoted to said slidable member, the pivot point being located to the rear of said stud and means connecting said work clamp and shield.

1,467,867. DISTRIBUTION SYSTEM FOR FEEDING HOT LIQUID MATERIAL TO TRAVELING BELTS. JOHN L. MAUCH, Gulf, Tex. Filed June 3, 1922. Serial No. 565,576. 10 Claims. (Cl. 18—15.)



1. An apparatus for casting a hot liquid material comprising a moving carrier, a plurality of devices arranged in series disposed parallel to the direction of movement of said carrier for depositing said material thereon in successive layers, drops leading to said devices, a line for feeding said drops, and overflow devices disposed between said line and said drops.

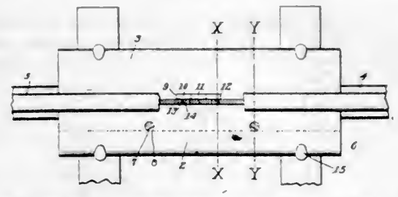
1,467,868. HEAT RETAINING AND CONDUCTING ATTACHMENT FOR BURNER STOVES. MICHEL MAY, Los Angeles, Calif. Filed Apr. 30, 1921. Serial No. 465,919. 3 Claims. (Cl. 126—214.)



1. An attachment for the purpose set forth comprising a shallow rectangular receptacle including a pair of side walls, a bottom, a top, a closed end wall and an open end, said top provided at a point between its transverse center and each end with an opening, said bottom provided between its transverse center and the closed end of the receptacle with an opening arranged below one of the openings in the top, and a shallow rectangular slide including a pair of side walls, a bottom, a top, a closed outer end wall and an open inner end, said slide mounted in the open inner end of said receptacle and permanently communicating therewith, said slide of a length not more than half the length of said receptacle whereby said receptacle is opened for the inlet of combustion products when the slide is completely within the receptacle and said slide having its top provided with an opening capable of registering with one of the openings in the top of the receptacle when the slide is shifted inwardly, the opening in the top of said slide providing means for heating a vessel when the slide is withdrawn from the receptacle to position the openings of the slide exteriorly of the receptacle, the opening in the top of said receptacle providing means for heating a vessel mounted thereover, and a collar connected with and depending from the bottom of the receptacle and communicating with that opening in the bottom of the receptacle arranged between the transverse center and the closed end of the receptacle.

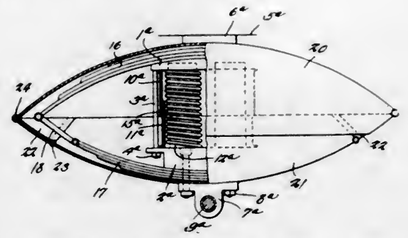
1,467,869. RAIL CHAIR. GEORGE P. MILKENT, Niles, Ohio. Filed Mar. 24, 1923. Serial No. 627,440. 2 Claims. (Cl. 238—207.)

1. A rail chair comprising a base plate having integrally cast fish plates thereon engaging the rail, a wedge plate interposed between one of the fish plates and the rail, the said fish plate having openings therein to receive screw keys adapted to engage the wedge plate and hold the same against longitudinal movement, the other fish plate having a chamber therein extending on both sides of the meeting ends of the rails, the said



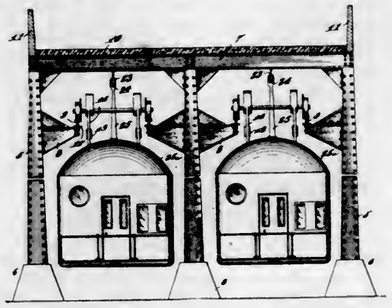
rails having openings therein, blocks within the chamber having studs thereon engaging the openings in the rails and a spacing block interposed between the locking blocks to prevent dislodgment of the same.

1,467,870. VEHICLE SPRING. JOHN LEE MILLER, Fort Collins, Colo. Filed Apr. 9, 1921. Serial No. 459,900. 1 Claim. (Cl. 267—37.)



In a device of the class described, a spring comprising oppositely bowed members connected at their ends; and a casing enclosing the spring and conforming in shape thereto, the casing comprising a main part approximating the shape of one member of the spring, and an auxiliary part approximating the shape of the other member of the spring, the auxiliary part of the casing being overlapped slidably on the main part of the casing, and including a central section and end sections pivoted thereto, the end sections being pivoted to the main part of the casing.

1,467,871. SUSPENSION RAILWAY. JOHN L. MILLER, Fort Collins, Colo. Filed May 23, 1923. Serial No. 640,990. 3 Claims. (Cl. 104—94.)



1. A suspension railway including supporting beams, bracket members extending laterally from the supporting beams, rails on the brackets, said rails having inwardly extended flanges, a car, bracket members on the

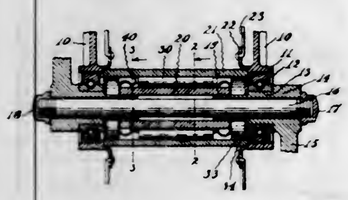
car, rollers on the bracket members, said rollers adapted to contact with the rails when the car swings laterally, and wheels supported by the car brackets for moving over the rails.

1,467,872. ADJUSTABLE SPRING TURNBUCKLE AND HANGER. ELMER C MITCHELL, St. Louis, Mo. Filed Aug. 29, 1921. Serial No. 496,657. 1 Claim. (Cl. 267—71.)



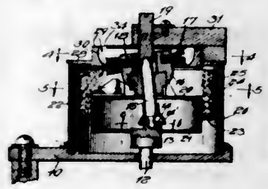
In a device of the character described, a connecting link comprising two opposite end portions, two diametrically opposite side members connecting the end portions and an annular spring seat in connection with one of said end portions; a rod having swivel connection with the end portion opposite from said spring seat so that said rod can freely move without disturbing the position of said spring; an additional rod extending through the end portion having the spring seat in connection therewith, and extending relatively a considerable distance toward the opposite end portion; a spring encircling said second rod and having one end seated in said spring seat; and a polygonal nut secured on the inner end of said second rod and having the side walls thereof in position to be engaged by said side members to prevent said nut or said link from being turned independently of each other.

1,467,873. SPRING WASHER FOR COASTER BRAKES. AUGUST J. MOTTLAU, Philadelphia, Pa., assignor to A. Mecky Company, Philadelphia, Pa., a Corporation of Pennsylvania. Filed Feb. 17, 1922. Serial No. 537,292. 17 Claims. (Cl. 192—6.)



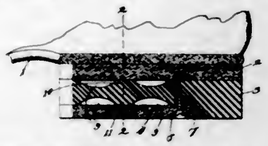
1. In combination, brake shoes; a sleeve enclosing said brake shoes; means for moving the shoes into braking contact with the sleeves; and spring means having fingers for holding the shoes against braking movement.

1,467,874. DENTIST'S DRILL CLEANER. WILLIAM MARK MUCHOW, Evanston, Ill., assignor to Flossy Dental Mfg. Co., Evanston, Ill., a Corporation of Illinois. Filed Aug. 12, 1921. Serial No. 491,850. 4 Claims. (Cl. 15—7.)



1. In a tool cleaning device, the combination of a driving shaft, a driven shaft, a brush supported by the driven shaft, one end of said driven shaft being concentric and the other end eccentric to the driven shaft, and means for supporting a tool in proximity to the periphery of said brush.

1,467,875. PNEUMATIC COMPOSITE HEEL. JESSIE E. PRICE, Los Angeles, Calif. Filed July 7, 1919. Serial No. 308,927. 1 Claim. (Cl. 36—35.)



A composite pneumatic heel adapted for attachment to the lower face of the shoe heel by fastenings, said composite heel comprising a resilient section provided with corresponding hollowed out upper and lower faces each having a single pier projecting substantially centrally thereof, the respective piers being in alinement, and a non-resilient tread section attached to the lower face of the aforesaid resilient section and covering the lower hollowed out face thereof but leaving a part of the resilient section exposed and located to the rear of the said hollowed out face, the lower face of the exposed part of the resilient section being substantially flush with the lower face of the non-resilient tread section aforesaid, the upper hollowed out face being covered and sealed by the shoe when the composite heel is applied thereto, and the piers being in sealed engagement with the shoe and with the non-resilient tread section, respectively.

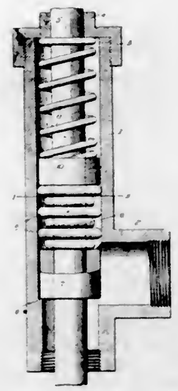
1,467,876. FILM PACKET FOR X-RAY WORK. HOWARD RILEY RAPER, Albuquerque, N. Mex. Filed June 17, 1922. Serial No. 569,186. 9 Claims. (Cl. 250—34.)



1. A dental film packet provided with a bite-wing, means for securing said bite-wing to the film packet so that when the film packet is back of the teeth tension on the bite-wing will cause the film packet to bend somewhat in the general central region thereof and on a line parallel with the plane of the bite-wing.

1,467,877. AUTOMATIC STUFFING BOX. ALBERT L. REA, Shawnee, Ohio. Filed Oct. 10, 1921. Serial No. 506,935. 2 Claims. (Cl. 286—16.)

1. A stuffing box for pump rods and the like, comprising a pump rod, a casing through which the pump rod extends and having an outlet opening at one side, a follower in said casing mounted on the rod to partially close said opening, a compressible packing surrounding the pump rod and arranged on said follower, another follower on the rod arranged over said packing and resting thereon, an adjustable cap enclosing the upper end of said casing, and a coiled spring arranged between said cap and last mentioned follower, said spring tensioned to normally hold the first mentioned follower in position to partially close the opening.



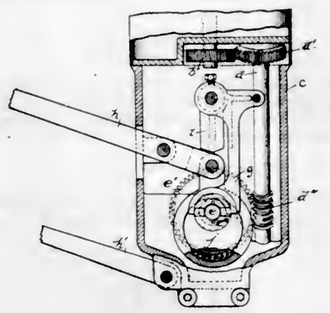
1,467,878. SADDLE COVER. JOHN H. RIMPLER and FRANK A. RIMPLER, Goshen, Ind. Filed May 18, 1922. Serial No. 561,888. 1 Claim. (Cl. 208—15.)



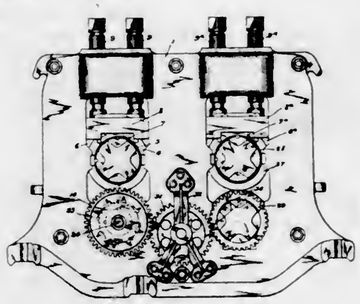
A saddle cover formed from a piece of fabric cut to form a substantially triangular cover, the latter having a pocket formed at its front end to receive the cantle of the saddle and having depending flanges connected with the pocket, said flanges being adapted to cover the front side portions of the saddle, the rear end portion of the cover being designed to be drawn around and beneath the pommel, a hook secured to the flange on one side of the cover and a chain secured to the flange on the opposite side, the links of the chain adapted to be selectively engaged with the hook to permit effective fitting of the cover on different sized saddles.

1,467,879. MECHANISM FOR POWER-DRIVEN WASHING MACHINES. FRANK E. ROBERTSON, Cleveland, Ohio, assignor to The P. A. Geier Company, Cleveland, Ohio, a Corporation of Ohio. Filed July 25, 1918. Serial No. 246,653. 12 Claims. (Cl. 74—14.)

1. In a mechanism for power-driven machines, the combination with a reciprocatory mechanism, of an electric motor associated therewith, an intermediate driving mechanism, a clutch for connecting and disconnecting the same, shifting means for the clutch, and a combined adjustable support and blocking member adapted to block said shifting means except when the reciprocatory mechanism is in a predetermined position, substantially as set forth.



1,467,880. ROLLING MILL. HENRY A. ROEMER, Canton, Ohio. Filed June 24, 1921. Serial No. 480,140. 5 Claims. (Cl. 80—54.)



5. A cold rolling mill for sheets including a housing, two sets of rolls in the housing, a gear fixed upon one of the after rolls, a ratchet gear upon one of the first rolls, and an idler gear meshing with both of said gears to drive both sets of rolls in the same direction for the purpose of passing a sheet therethrough, the after rolls being arranged to receive the sheet before it is released from the first rolls, the fixed gear being of less diameter than the ratchet gear.

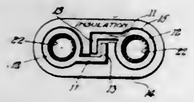
1,467,881. DEMOUNTABLE RIM. LOUIS ROSEBUSH and FRED J. ROSEBUSH, Flint, Mich. Filed Feb. 17, 1921. Serial No. 445,678. 1 Claim. (Cl. 301—35.)



In a demountable rim an inner and an outer annular rim section each comprising an annular seat portion, one of said seat portions mounted on the other and adapted to have a tire mounted thereon, said inner seat portion having its outer side provided with an outwardly extending tire engaging flange and said outer seat portion having its inner side formed with an outwardly extending tire engaging flange, said inner seat portion having its outer face at that side opposite to the side with which

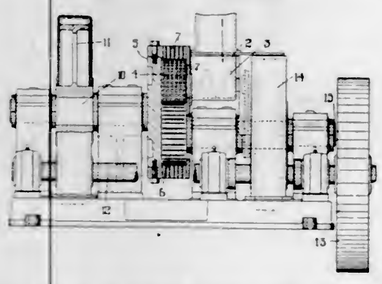
the flange is formed provided with an annular rib, said outer seat portion having its lower face at that side opposite to that side with which the flange is formed provided with an annular groove for the reception of said rib to detachably couple said sections together, said rib flush with the flange on the outer seat portion, said outer seat portion extending from its flange to the flange on the inner seat portion, said inner seat portion being transversely split to allow distortions thereof when removing the tire, and said seat portions having registering means for the passage of an air valve.

1,467,882. SPARK GAP. FRANK A. RYDER, Chicago, Ill. Filed Nov. 18, 1921. Serial No. 516,068. 6 Claims. (Cl. 175—183.)



1. A spark gap comprising electrodes having their terminals turned substantially perpendicularly thereto, said terminals being overlapped and arranged substantially parallel to each other, substantially as described.

1,467,883. MACHINE FOR COMPRESSING OR MOLDING PLASTIC SUBSTANCES. ALBERT WILLIAM SIZER, Hessle, England. Filed Aug. 7, 1922. Serial No. 580,211. 4 Claims. (Cl. 107—14.)



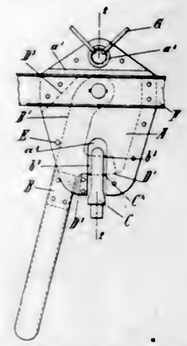
1. A machine for molding plastic substances comprising a drum perforated radially to provide moulds, a roller contacting with the inner periphery of said drum, means to feed the meal to the space between the said roller and the said drum, and means to rotate said drum to extrude all the material fed into said space through said radial moulds.

1,467,884. FOOT REST AND CHAIN KIT. JAMES A. SKAGGS, Canton, Ohio. Filed Oct. 4, 1922. Serial No. 592,249. 2 Claims. (Cl. 296—75.)



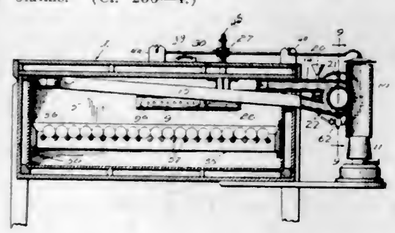
2. A combined foot rest and chain receptacle comprising a hollow cylinder having one closed end, a removable cap covering the other end and brackets to which said closed end and cap are detachably connected whereby the removable cap is held in place upon the cylinder.

1,467,885. RELEASING DEVICE. KARL STAHL, Friedrichshafen, Germany, assignor to the Firm Luftschiffbau Zeppelin Gesellschaft mit beschränkter Haftung, Friedrichshafen, Germany. Filed June 28, 1920. Serial No. 392,607. 4 Claims. (Cl. 294—83.)



1. In a device of the kind described in combination, a narrow casing open on one side, a rocking lever pivoted to the upper part of said casing and extending outwards through the open side thereof, an arm on said lever extending substantially at right angles therefrom through part of said casing, and indentures in the casing walls extending in parallel from the bottom upwards, said arm crossing said indentures at a distance from their upper ends, so as to serve as a support for the load.

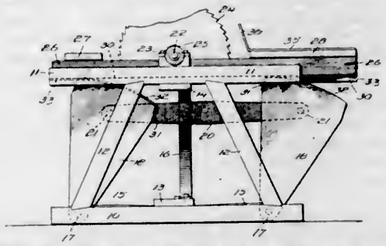
1,467,886. INCUBATOR. ERAPHIA A. SWIHART, Randall, Kans. Filed May 7, 1921. Serial No. 467,593. 4 Claims. (Cl. 236—4.)



1. An incubator comprising a body portion providing an incubating chamber having a hot air outlet, a fresh air inlet and a heating means, a thermostat arranged therein and including a vertically disposed stem projecting through the top of said body portion, a U-shaped actuating rod mounted on said body portion and provided at its free end with synchronously operable dampers for controlling said outlet and heating means, a shifting rod pivoted on and depending from said body portion and having a damper for controlling said inlet and further controlled by the operation of said actuating rod, and a lever pivotally supported on said body portion and connected with the stem of said thermostat for actuating said actuating rod causing thereby the shifting of the dampers carried by said rod and the shifting of the damper carried by said shifting rod.

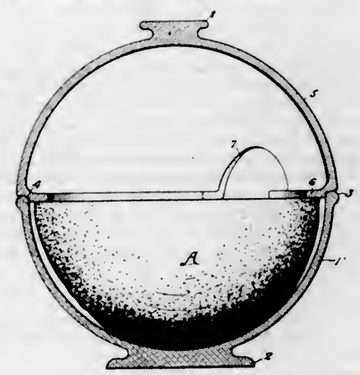
1,467,887. SAW FRAME AND TABLE. CHARLES H. TODD, Dundee, N. Y., assignor of one-fourth to E. C. Stewart and one-fourth to Ella M. Weber, both of Corning, N. Y. Filed May 20, 1922. Serial No. 562,550. 4 Claims. (Cl. 143—62.)

1. In an apparatus of the class described, a supporting frame including longitudinally directed rail members in spaced parallel relation, a platform including longitudinally directed members movably engaged by the confronting faces of the rail members and each provided with a downwardly opening guideway adjacent the rail members, a shaft adapted to carry a saw and mounted upon said rail members, operating members mounted to swing from said frame and each having a segmental face



constantly engaging in the guideway of the platform side members and against the inner faces of the frame rail members and held from lateral displacement thereby, and flexible elements attached to the platform side members within the guideways thereof and to the swinging operating members, and upon which the platform side members constanty bear.

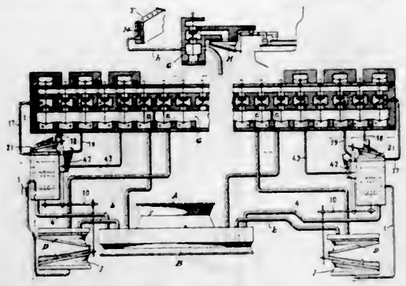
1,467,888. GRAPEFRUIT BOWL. VERNER WATTS and CHARLES VOGEL, Massillon, Ohio. Filed Apr. 18, 1922. Serial No. 555,151. 1 Claim. (Cl. 65—13.)



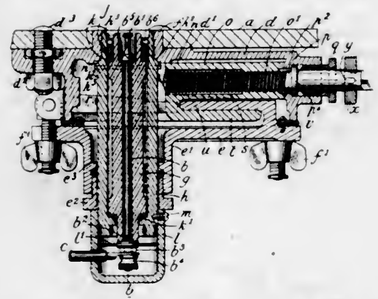
A device of the character described including a bowl adapted to receive a half of a citrous fruit and a lid for the bowl fitted for slidable movement upon the bowl and provided with an opening in one side to permit the insertion and extraction of a spoon, said lid having an inwardly disposed flange for engagement with the edge of the rind only of the fruit.

1,467,889. PNEUMATICALLY-CONTROLLED REGULATOR FOR MUSICAL INSTRUMENTS. EDWIN WELTE, Freiburg, Germany, assignor, by mesne assignments, to Welte-Mignon Corporation, New York, N. Y., a Corporation of New York. Filed May 25, 1914. Serial No. 840,912. 24 Claims. (Cl. 84—41.)

1. In a record controlled musical instrument, a main source of power, striker pneumatics, means providing a wind passage for the striker pneumatics and means to control communication of the striker pneumatics with the wind passage, in combination with means between the main source of power and wind passage to regulate the tension of the air in the wind passage, including a regulator operable to vary the said tension and to maintain uniformity of the tension to which it has been set regardless of the number of striker pneumatics operated simultaneously, an expression mechanism comprising two pneumatic means and a tension controlling means and mechanism between said pneumatic means and the tension controlling means whereby the movement of one of said means of the expression mechanism will affect the operation of another.

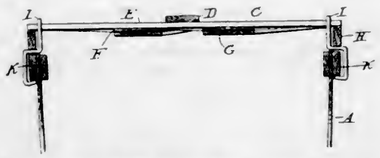


1,467,890. MOUNTING OF ELECTRODES OR ELECTRIC DISCHARGE POINTS IN THE HULLS OF SHIPS AND SUBMERGED STRUCTURES. JAMES BOWYER WILKIE, Liverpool, and HERBERT NEVILLE, Purley, England. Filed Mar. 28, 1923. Serial No. 628,313. 9 Claims. (Cl. 114—222.)



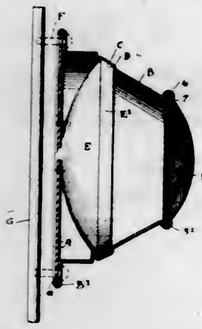
1. Electrode casing applicable to the interior of the wall of a submerged structure, the said casing comprising means for mounting the electrode device in an aperture in said casing, and closing means operative for closing said aperture when the latter is vacated by the withdrawal therefrom of the electrode, substantially as set forth.

1,467,891. BASKET-COVER FASTENER. GEORGE M. BARKER, Macon, Ga. Filed Apr. 18, 1922. Serial No. 554,460. 2 Claims. (Cl. 217—124.)



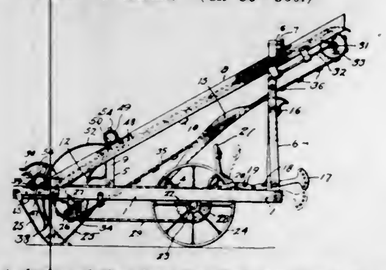
1. A fruit and vegetable basket cover fastener constructed in substantially U-shaped form with depending limbs each formed with a substantially U-shaped portion adapted to be inserted between the rim of the basket and an overlying hoop on said cover, and to embrace said rim with its hooked end taking under the rim, the body of the fastener being fitted astride a slat or bar extending across the cover.

1,467,892. HIGHWAY SIGNAL. WILLIAM VREELAND BERGEN and ARTHUR CLAY SHUTE, Hillsboro, Oreg. Filed June 27, 1921. Serial No. 480,593. 4 Claims. (Cl. 88—1.)



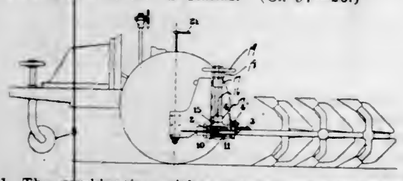
1. A signal of the character specified, comprising a forwardly converging imperforate truncated cone-shaped shell and a flat imperforate back covering therefor, said shell having a bead spun upon its slanting wall portion, said bead defining a slanting groove within the shell, a concave mirror having a beveled front end fitted in said groove, the back of the mirror abutting the flat back covering, a colored optical semaphore lens spun within the front end of the shell said mirror located at the exact focus of the lens, to receive light rays projected through the lens from an exterior light source and reflect them upon the back face of the lens and forwardly through the same.

1,467,893. HAY RAKE AND LOADER. JOHN H. CULLITON, Waseca, Minn. Filed June 2, 1919. Serial No. 301,335. 4 Claims. (Cl. 56—360.)



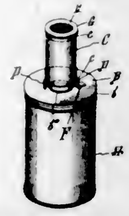
3. A device of the class described, embodying a truck frame; a conveyor traversing the frame; front and rear bars extended transversely of the frame; means for securing the bars to the frame for adjustment longitudinally of the frame; and teeth located at the rear end of the conveyor, the teeth including loops engaged about the bars, and an extension connecting the loops.

1,467,894. AGRICULTURAL IMPLEMENT. LUBIN LOUIS DUBOIS, Asnieres, France. Filed Sept. 15, 1920. Serial No. 410,567. 2 Claims. (Cl. 97—26.)



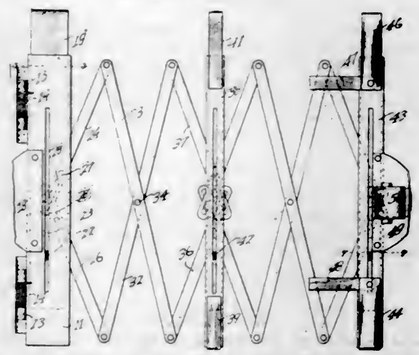
1. The combination with a tractor, comprising a pair of rear wheels, means for driving said wheels independently forwards and backwards, brake means for each of said wheels, a front swivel wheel normally elevated above the ground, said tractor being constructed to tip automatically about the axis of said rear wheels to bring said front wheel into engagement with the ground upon backward movement of said tractor, and a socket member carried by said tractor, of a multiple-plow, comprising a beam journalled at its forward end in said socket member for movement of rotation about its axis, and two sets of diametrically oppositely arranged plows carried by said beam, and manually releasable means carried in part by said tractor and in part by said multiple plow for automatically locking said beam against rotation with either set of plows in operative position, said beam being adapted to be automatically rotated by reason of the engagement of the tips of the plows with the ground when said tractor is turned at the end of the furrow.

1,467,895. COMBINED GARBAGE CAN AND FLY-TRAP. CLIFFORD A. DUNSETH and HARRY GARRITY, Albert Lea, Minn. Filed July 31, 1922. Serial No. 578,765. 1 Claim. (Cl. 43—120.)



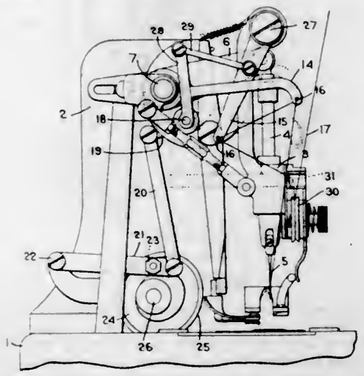
The combination with a garbage can, of a detachable cover therefor, provided with a central circular opening therein, a cylindrical receptacle provided with spacing legs mounted on said cover and superposed over said opening but spaced from the perimeter thereof by said legs, a separable hinge detachably connecting said receptacle to said cover, a detachable screen in the form of a hollow truncated cone, open at the top, normally closing the bottom of said receptacle, and a detachable cap provided with a foraminous central portion normally covering the top of said receptacle, substantially as and for the purposes described.

1,467,896. ROLL HOLDER. OBEL JUVET, Ferndale, Wash. Filed Aug. 18, 1922. Serial No. 582,728. 1 Claim. (Cl. 40—155.)



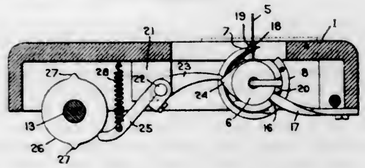
In a device of the character described, the combination with a plurality of tubular members hinged one to the other and adapted to be held in contact one with the other, toggle means secured to one of said tubular members, a third tubular member secured to said toggle means, clips mounted on said third tubular member, toggle means secured to said third tubular member and extending to a fourth tubular member, and a clip carried on said fourth tubular member, substantially as and for the purpose described.

1,467,897. TAKE-UP FOR SEWING MACHINES. JOHN KIEWICZ, Boston, Mass., assignor to The Reece Button Hole Machine Company, Boston, Mass., a Corporation of Maine. Filed Apr. 11, 1922. Serial No. 551,523. 3 Claims. (Cl. 112—241.)



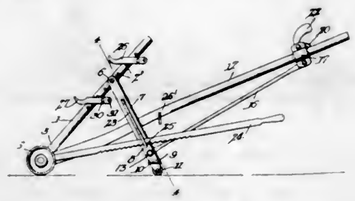
1. In a sewing machine, the combination with a vertically-reciprocating needle bar, of two pivoted take-up levers each having an eye through which the needle thread passes, one lever extending in a general horizontal direction and having an arm extending laterally therefrom near its pivoted end and the other take-up lever extending in a general vertical direction and crossing the first-named lever, means to oscillate the first-named lever, and a link connecting said laterally-extending arm of said first-named lever with the second lever.

1,467,898. SEWING MACHINE. JOHN KIEWICZ, Boston, Mass., assignor to The Reece Button Hole Machine Company, Boston, Mass., a Corporation of Maine. Filed Apr. 13, 1922. Serial No. 552,214. 3 Claims. (Cl. 112—181.)



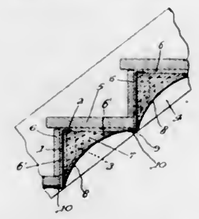
1. In a sewing machine, the combination with a vertically-reciprocating needle, of a driving shaft from which the needle is operated, a bobbin case having a nose and a shoulder, a hook-operating shaft geared to the driving shaft, a rotary hook connected to and driven by said hook-operating shaft and adapted to take a loop of needle thread and cast it about the bobbin case, a pivoted finger normally engaging the nose and preventing rotation of the bobbin case, a cam for actuating said finger, said cam being fast on the driving shaft and having a relatively long low portion which holds the finger in operative position in engagement with said nose, and a relatively short high portion which functions to separate said finger from the nose to allow a loop of needle thread to pass, and a stationary positioning finger co-operating with said shoulder to prevent rotation of the bobbin case when the pivoted finger is withdrawn from the nose.

1,467,899. JACK. JOHN A. KIMBALL, Taylorville, Ill. Filed July 2, 1921. Serial No. 482,103. 7 Claims. (Cl. 254—129.)



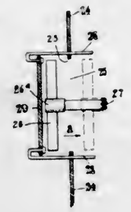
1. In a shifting jack, two wheeled legs one of a greater length than the other, adjustable means pivotally connecting the legs, a support projecting outwardly from and adjustably secured on one of the legs, and means for swinging the legs toward or away from each other to elevate or lower the support.

1,467,900. STAIR CONSTRUCTION. WILLIAM J. KORBER, Chicago, Ill. Filed Sept. 17, 1921. Serial No. 501,270. 2 Claims. (Cl. 72—96.)



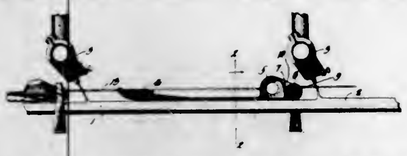
1. A stair structure comprising in combination with a concrete filler, sheet metal plates extending the width of the stairs and being curved transversely and presenting concave surfaces outwardly, said plates each having its lower edge bent to lie in a horizontal plane and overlapping the upper edge of the plate next there below, and vertical reinforcing members of sheet metal having their lower edges resting upon the horizontally bent edges.

1,467,901. VENTILATOR. WALTER MASON LANGE, London, England. Filed Mar. 5, 1923. Serial No. 622,986. 3 Claims. (Cl. 98—27.)



1. In combination, a wall having a ventilating opening therein, a drive shaft extending through said opening, and blade members mounted for adjustment longitudinally of said shaft whereby said blade members may be moved from a position on one side of the wall to a position on the other side thereof to reverse the direction of flow of fluid through the ventilating opening upon rotation of the shaft and blade members.

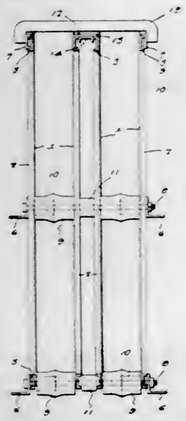
1,467,902. COOLING DEVICE FOR CASTING MACHINES. JOHN L. MAUCH, Gulf, Tex. Filed June 3, 1922. Serial No. 565,577. 6 Claims. (Cl. 18—15.)



1. A cooling device of the class described including a cover, a header at one end of the cover, a duct for receiving a cooling medium passing through said header.

5. In combination, a moving carrier, a roller, a cooling device supported on the roller in spaced relation to the carrier and a layer of solidified material thereon.

1,467,903. WALL FORM. ALBERT E. MCCALLUM, Ypsilanti, Mich. Filed Dec. 9, 1922. Serial No. 605,863. 4 Claims. (Cl. 25—131.)



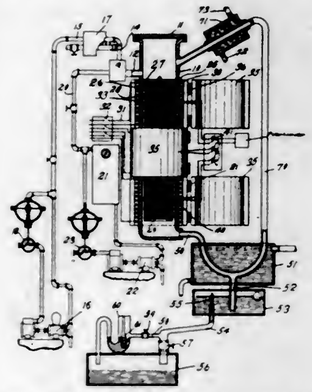
1. A form of the class described comprising a plurality of sections, each formed of sheet metal plates and channel members to which the plates are connected, liners for the sections, cement spreaders for the walls of the form through which the tie bolts pass, said spreaders having recesses therein for receiving the ends of the permanent tie bolts and their tie plates and a filling of cement so that the tie bolts will be embedded in the finished wall.

1,467,904. INFANT'S SOOTHING TEAT. DANIEL JAMES MCOMISH, Northcote, Victoria, Australia. Filed Sept. 14, 1921. Serial No. 500,481. 1 Claim. (Cl. 128—360.)



An infant's soothing teat, comprising a nipple having an open end, an enlarged neck adjacent said end and an external bead at said end, a connecting pin having an enlarged head adapted to fit tightly within said neck, a cylindrical portion extending from said head and terminating beyond the beaded end of the nipple and a reduced threaded end extending from the cylindrical portion, a shield formed with a central opening fitting over the pin and the end of the nipple between the bead and the enlarged neck of the nipple, and confining the nipple adjacent the bead to the cylindrical portion of the pin, whereby the nipple is positively retained on the pin by the shield, and a cap adapted for threaded engagement with the threaded end of the pin.

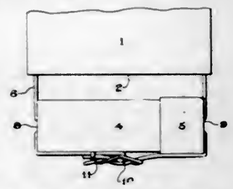
1,467,905. HYDROGENATION FURNACE. THOMAS MIDGLEY, Jr., Dayton, Ohio, assignor, by mesne assignments, to General Motors Research Corporation, Dayton, Ohio, a Corporation of Delaware. Filed Oct. 5, 1918. Serial No. 256,952. 10 Claims. (Cl. 260—168.)



1. The method of hydrogenating benzene which consists in introducing hydrogen and benzene vapor into the presence of catalytic material, the hydrogen and benzene both being introduced continuously under pressure.

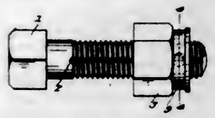
2. In a hydrogenation apparatus, a reaction chamber adapted to contain catalytic material; a heating jacket associated therewith, said jacket comprising a plurality of units capable of separate operation to heat the whole chamber or any desired part thereof.

1,467,906. CAMERA-CASE ATTACHMENT. MURIEL M. MIX, Lidgerwood, N. Dak. Filed July 8, 1922. Serial No. 573,639. 2 Claims. (Cl. 190—52.)



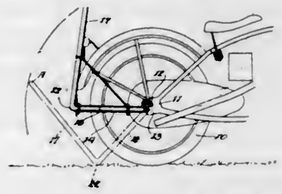
1. A camera case with apertures in its bottom wall, in combination with an attachment, said attachment comprising a body open at one end and closed at its opposite end and having apertures in its closed end, a closure cap removably arranged on the body and having apertures, and a strap passed through the apertures in the bottom wall of the case and laced through the apertures in the end wall of the attachment body and in the closure cap and provided at one end with a buckle disposed under the body and fastened permanently to the body at a point adjacent to the buckle.

1,467,907. NUT LOCK. TAKEO MIYAGI, Waipahu, Oahu, Territory of Hawaii. Filed Apr. 15, 1922. Serial No. 552,937. 1 Claim. (Cl. 151—10.)



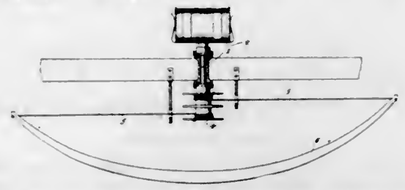
In a means for locking a nut on a bolt, the combination with a nut having its shank grooved to define a straight side wall, an angle side wall, a nut screwed on the bolt, said nut having an annular neck extension whose outer end is flanged, said neck being provided with openings, dogs having angle toothed portions and curved tail portions, the latter resting on the neck and the former received in the openings and engaging in the grooves of the bolt, a split spring ring arranged on the neck over the dogs, and the flange on the neck being provided with openings disposed opposite the tails of the dogs, as and for the purpose set forth.

1,467,908. STAND FOR VELOCIPEDES. WARREN H. PERRIGO, Arlington, Wash. Filed Apr. 10, 1922. Serial No. 551,163. 1 Claim. (Cl. 208—75.)



The combination with a bicycle, and a stand pivoted on the bearing for the rear wheel of the bicycle, of a double bent rod forming straight foot and leg portions united at the front ends of the foot portions and forming heels at the junctures of said portions, the leg portions being longer than the radius of the bicycle wheel and being disposed against the sides of the said stand, and clips securing said leg portions to the sides of the stand.

1,467,909. SHAKING APPARATUS FOR CANS CONTAINING CONDENSED MILK. ROBERT RAEN, Moss, Norway. Filed May 23, 1922. Serial No. 563,114. 3 Claims. (Cl. 259—75.)



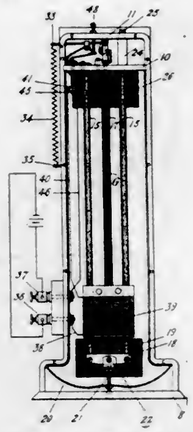
1. A method of treating condensed milk in sealed cans after the sterilizing process, which consists in subjecting a can to a sustained rotary movement alternately in opposite direction about an axis at an angle to the axis of the can.

1,467,910. CHECK-NOTCHING DEVICE. PHILIP C. SNOW, Swarthmore, Pa., assignor to Globe Ticket Company, Philadelphia, Pa., a Corporation of Pennsylvania. Filed Feb. 21, 1922. Serial No. 538,372. 6 Claims. (Cl. 211—37.)



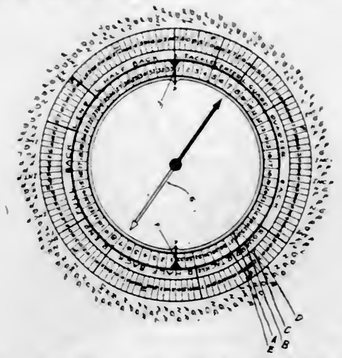
1. A check notching device comprising a support having an opening therein, and a notching member embodying an intermediate portion pivotally mounted in said opening and having relatively offset ends extending in opposite directions at the respective opposite sides of the support, one of said ends being adapted to clamp a portion of a check against the support and constituting a notching tongue and the other end constituting an operating part.

1,467,911. HYDROGEN DETECTOR. MORTON ARENDT, New York, N. Y., and EDWARD V. BROWN, New London, Conn. Filed Mar. 31, 1920. Serial No. 370,309. 31 Claims. (Cl. 73—51.)



1. In a device of the class described, indicating mechanism, an element whose physical condition is changed by contact with a gas to actuate the indicating mechanism and a heater to prevent atmospheric changes from affecting said indicating-actuating element.

1,467,912. MINIATURE FOOTBALL GAME. DAVIS CORBIN ATKINS, Lexington, Ky. Filed Nov. 23, 1921. Serial No. 517,415. 4 Claims. (Cl. 46—63.)

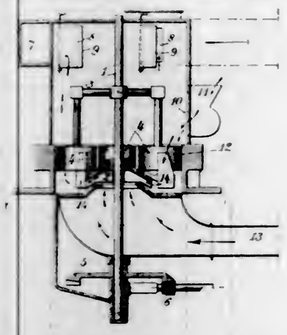


1. A foot ball game comprising a playing surface having inscribed thereon a plurality of concentric circles defining a plurality of circular areas therebetween, the intermediate area being subdivided by radial lines into spaces inscribed with the names of the positions of the players in a foot ball game, the innermost area defined by the concentric circles being divided into equal parts and subdivided into spaces inscribed with numerals arranged consecutively, the outermost area defined by the circles being subdivided into spaces inscribed with numbers designating yards of gain or loss, the playing surface bearing legends outwardly of the outermost circle opposite said last named spaces, said legends indicating plays, gains and losses occurring in a foot ball game.

1,467,913. PULVERIZING APPARATUS. JEAN AUBÉ, Paris, France. Filed Aug. 14, 1919. Serial No. 317,518. 5 Claims. (Cl. 83—45.)

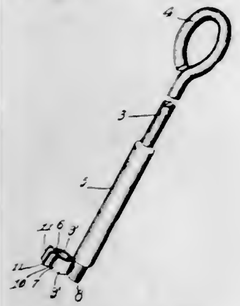
1. A pulverizing apparatus, comprising a casing the bottom of which is provided with a central opening,

pulverizing devices acting against the internal periphery of the casing, a suction pipe communicating with the upper part of the casing, a blast pipe extending below the opening in the bottom of the casing, a rotative dis-



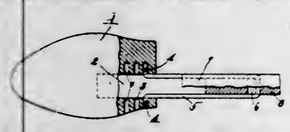
tributor of air placed over the said opening and adapted to force the entering air from the center outwardly towards and into the grinding zone at the periphery of the casing.

1,467,914. PIN INSERTER AND REMOVER FOR FORD VALVES. CLARENCE G. BALCOM, Noroton Heights, Conn. Filed Mar. 27, 1922. Serial No. 547,287. 1 Claim. (Cl. 29—86.1.)



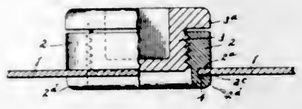
In a device for the purpose set forth, a shank, a ferrule on one end thereof and coacting spring jaws at the outer end of the ferrule, said jaws being integrally formed from a strip of spring material centrally rounded upon itself and provided with an extension that embraces the end of the shank and that is compressed thereagainst by the ferrule, said jaws being centrally rounded outwardly and from thence inwardly and again outwardly to provide a flared mouth therebetween.

1,467,915. SHOE TREE. HARRIE A. BALLARD, Boston, Mass., assignor to General Shoe Machinery Company, Boston, Mass., a Corporation of Maine. Filed Dec. 22, 1921. Serial No. 524,116. 5 Claims. (Cl. 12—128.1.)



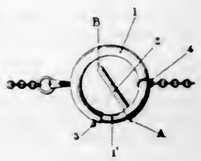
1. A shoe tree comprising a toe piece, a pair of arms engageable at their forward ends with said toe piece, and a heel piece carried by said arms and movable to prevent disconnection of said arms and toe piece.

1,467,916. BUNG FOR METALLIC RECEPTACLES. GROVER F. BEHRINGER, Defiance, Ohio, assignor to The American Steel Package Company, Defiance, Ohio, a Corporation of Ohio. Filed Mar. 18, 1922. Serial No. 544,730. 7 Claims. (Cl. 220—39.)



1. A bung sput having an outwardly extending annular shoulder terminating in a bung ring of reduced diameter, said bung ring having its edge knurled and embedded in the walls of the article to which it is attached and in opposed relation to said annular shoulder forming interlocking indentations in said article walls when said knurled edge is upset, said indentations extending adjacent to the outer periphery of said sput.

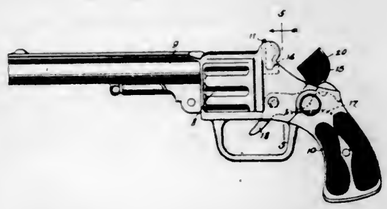
1,467,917. SAFETY CLASP FOR CHAINS OF ALL SIZES AND COLLARS. LÉON JOSEPH ALEXANDRE BERTRAND, Paris, France. Filed Jan. 12, 1922. Serial No. 528,761. 2 Claims. (Cl. 24—240.)



1. A safety-clasp for universal use, comprising a ring having an opening, a guard-pin fastened at one end to the inner part of the ring, its other end terminating short of contact with the ring, the guard-pin being rigid

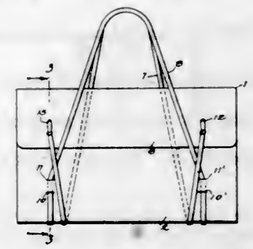
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1,467,918. TOY PISTOL. LEWIS SHARPS BIXLER, Kenton, Ohio. Filed Feb. 26, 1923. Serial No. 621,365. 1 Claim. (Cl. 42—54.)



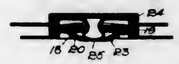
In a toy pistol, an anvil having inturned portions at opposite sides thereof and a groove at its bottom to provide a recess for receiving a paper cap, a hammer having a striking face of less width than the distance between said inturned portions and a length substantially equal to the depth of said recess, and a flange extending sidewise from said hammer on both sides thereof and of a width substantially equal to that of said anvil so as to overlap said anvil when the handle is in its operated position.

1,467,919. HAND BAG. ISRAEL CHAIM BLUMENTHAL, New York, N. Y. Filed July 22, 1922. Serial No. 576,823. 2 Claims. (Cl. 190—55.)



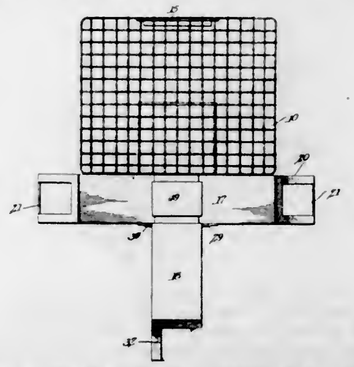
1. A hand bag of the character described, comprising a container, and a pair of straps, said straps being secured to the container on opposite sides and crossing at the bottom and extending from the bottom to a point above the top.

1,467,920. SEPARABLE FASTENER. FRED S. CARR, Newton, Mass., assignor to Carr Fastener Company, Cambridge, Mass., a Corporation of Maine. Filed Jan. 16, 1920. Serial No. 351,780. 7 Claims. (Cl. 24—218.)



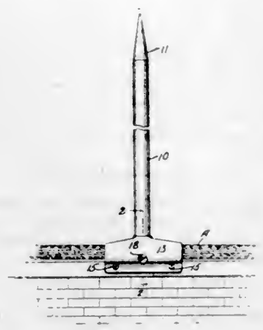
1. A stud for separable fasteners having an expansible base plate, and securing means located on the opposite side of the fabric from the stud, the base of said stud expansible into engagement with said securing means, with the fabric to which the stud is to be engaged interposed between the base of the stud and the securing means.

1,467,921. TRAP. FREDERICK S. CONKLIN, Yonkers, N. Y. Filed Mar. 8, 1921. Serial No. 450,720. 1 Claim. (Cl. 43—76.)



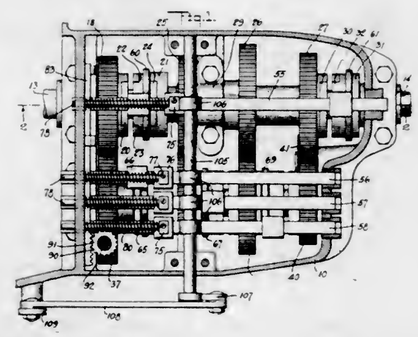
A trap including a plurality of pivoted treadle members having adjacent ends, a U-shaped frame pivotally supported below the said adjacent ends of the treadle members, a frame carried by said U-shaped frame and providing a support for the adjacent ends of the treadle members, a spring normally holding the U-shaped frame tilted with the said supporting frame holding the adjacent ends of the treadle members at an elevation, a trap having a closure operatively connected with the said U-shaped frame and normally held closely thereby when the supporting frame is elevated, and an entrance for the said trap embodying a plurality of passage ways enclosing the said treadle members and presenting doors overlying the said treadle members, said doors being moved to closed position by the descent of the said treadle member.

1,467,922. LIGHTNING ROD. MELVIN CREIGHTON, Rensselaer Falls, N. Y. Filed Oct. 19, 1921. Serial No. 508,716. 6 Claims. (Cl. 173—31.)



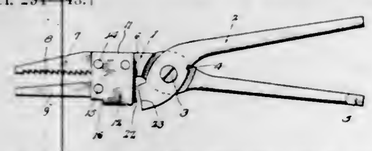
2. In a lightning rod, a point-supporting element, a looped connector suspended on said element at the lower end and positioned below the same to embrace a conductor cable, and a foot on said point element forming a means to secure said element in position as well as a covering for the connector and the adjacent portion of the cable; together with means to clamp the foot against the connector.

1,467,923. TRANSMISSION. WILLIAM STANTON CUNNINGHAM, Shreveport, La. Filed Sept. 8, 1921. Serial No. 492,309. 6 Claims. (Cl. 74—59.)



1. The combination with a variable speed transmission, which includes drive, driven and counter shafts and a speed changing mechanism comprising a plurality of independently operable elements means for normally coupling said elements with the counter shaft, a speed changing unit loosely mounted on the driven shaft having a plurality of complementary speed changing elements constantly engaging the counter shaft speed changing elements, and means normally operable to couple the drive and driven shafts for direct driving and for simultaneously effecting uncoupling of the driven shaft speed changing elements and uncoupling the counter shaft from the drive shaft, of mechanism for normally holding all of said means inactive, and manually operable to selectively release each of said means.

1,467,924. TOOL. GEORGE W. DE BAR, Aurora, Iowa. Filed Dec. 23, 1921. Serial No. 524,379. 7 Claims. (Cl. 294—43.)



1. In a tool of the class described, handle members directly pivoted to each other, a jaw fixed with relation to one of said members, a jaw freely adjustable with relation to the first mentioned jaw, and a locking member supported upon the fixed jaw and coacting with the adjustable jaw to hold the same in positions of adjustment and actuated through movement of the other handle member.

1,467,925. ARCHED ROOF MADE OF UNDULATED SHEET IRON. EDOUARD EUGENE DEBONGNIE, Berchem Ste. Agathe, Belgium. Filed Nov. 30, 1921. Serial No. 518,845. 1 Claim. (Cl. 108—1.)



An improved arched roof, comprising a narrow arched roof portion made of undulated sheet metal covering the middle portion of the roof of the building, longitudinal beams or trusses supporting the edges of said roof portion, and transverse girders or brackets supporting said longitudinal beams or trusses, said transverse girders or brackets being designed to rest on columns or walls of materially greater span than that of the arched roof, whereby to provide space on each side of the arched roof for lighting purposes.

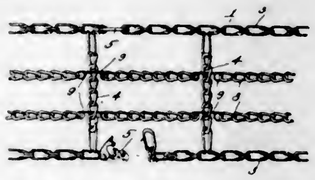
1,467,926. HOROLOGICAL INSTRUMENT. EDMUND R. DEERING, New York, N. Y. Filed Apr. 2, 1920. Serial No. 370,707. 2 Claims. (Cl. 58—126.)



1. A horological instrument including a twelve hour dial, hour and minute hands cooperating with said dial and a movement for actuating said hands and including means for causing the hour hand to circle the dial once in an astronomical day of twenty-four hours and for causing the minute hand to circle the dial twelve times in an astronomical day of twenty-four hours.

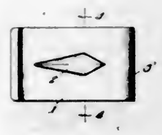
1,467,927. ANTISKID CHAIN. RALPH N. DOERRES and WADE W. MCGEE, Chillicothe, Ohio. Filed Mar. 12, 1921. Serial No. 451,749. 1 Claim. (Cl. 152—14.)

In an anti-skid chain structure, a pair of circumferentially disposed side chains, cross chains extending transversely of and uniting said side chains, a plurality of circumferentially extending chain sections disposed between the side chains, links including longitudinal portions having terminal eyes for engaging the confronting end links of the chain sections, said longitudinal



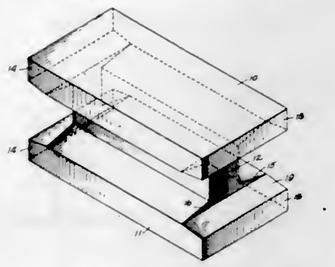
portions of the links passing through certain links of the cross chains and capable of lateral and longitudinal movement therein.

1,467,928. FASTENER. FREDRICK J. EAGLES and ARTHUR R. FITZGERALD, Honolulu, Hawaii. Filed July 12, 1922. Serial No. 574,483. 1 Claim. (Cl. 24—259.)



A fastener of the character described formed from a single strip of spring metal bent intermediate of its ends and being provided with a pair of substantially diamond shaped indentations formed on one portion adjacent the respective side edges thereof, and a like indentation formed on the other portion, and being arranged above and between the others for cooperation therewith.

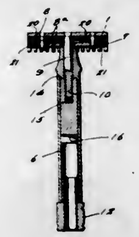
1,467,929. BUILDING BLOCK. GUSTAV EY, New York, N. Y. Filed Dec. 9, 1922. Serial No. 605,901. 4 Claims. (Cl. 72—43.)



1. A building block of the character described, comprising side walls, a web connecting said side walls, and bracing members integral with the side walls and web, said side walls extending beyond the ends of the web and bracing members, and the inner faces of the side walls at each end of the block diverging from the line of juncture of the side walls with the web and bracing members.

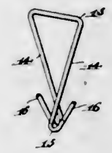
1,467,930. LOCKED RAZOR. JULIAN W. FRETWELL, Danville, Va. Filed Apr. 29, 1922. Serial No. 557,262. 4 Claims. (Cl. 30—12.)

1. A locked safety razor comprising a hollow handle carrying a guard, a clamping cap having a stem, a transversely flexible blade on the stem and interposed between the guard and cap, and a locking member completely disposed and operable in the hollow handle and engaged with the stem of the clamping cap to secure the blade in an idle position and against removal and



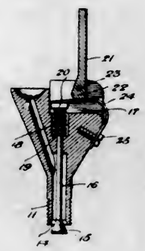
provided entirely within the hollow handle with a key portion to be engaged with a key separable from the razor.

1,467,931. CLIP. JAMES E. GRACE, New York, N. Y. Filed Aug. 23, 1921. Serial No. 494,618. 4 Claims. (Cl. 40—26.)



1. A clip having legs formed and bent to provide V-shaped parts which lie normally side by side with the apexes thereof coinciding to constitute a point for insertion in the eye of a shipping tag, whereby on pulling the clip, the legs thereof will be separated to dispose the V-shaped parts respectively at the sides of the eye.

1,467,932. PET COCK. JOSEPH F. GRAHAM, Tunnelton, W. Va. Filed Feb. 7, 1921. Serial No. 443,121. 1 Claim. (Cl. 123—187.5.)



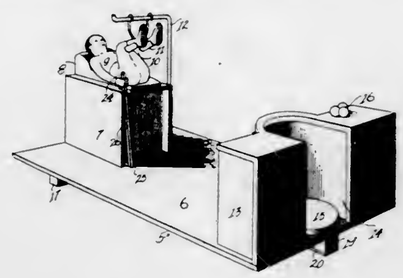
A pet cock of the character described comprising a casing, a tubular extension depending therefrom and being terminally provided with an inwardly extending seat, a semi-circular chamber formed in the upper surface of the casing adjacent one edge and being in communication with the tubular extension through the medium of an angularly disposed passage, said casing having a recess extending inwardly from the edge opposite the edge within which the semi-circular chamber is formed and being designed to provide shoulders in its bottom wall, a valve stem extending upwardly through the casing and having a portion arranged in the tubular extension and its opposite end extending into said recess, a valve member secured to the stem and adapted to normally engage the seat and close the lower end of the tubular extension, a head secured to the stem and arranged in said recess, a coil spring surrounding the stem at its headed end and having its end convolutions engaging the shoulders and head respectively for holding the valve member against said seat, a leaf spring secured at one end of the casing and having its opposite end in contacting engagement with said head as and for the purpose specified.

1,467,933. REENFORCED PIPE OR FITTING. THOMAS F. HANLEY, Chicago, Ill. Filed Feb. 16, 1920. Serial No. 359,093. 1 Claim. (Cl. 137—75.)



The combination with a length of pipe or fitting having a threaded portion, of a pair of spaced rings, a plurality of parallel ribs connecting said rings, said rings being spaced apart a distance greater than their diameters said rings and ribs mounted upon and secured to the pipe or fitting with one of the rings adjacent to the inner end of the threaded portion of the pipe or fitting.

1,467,934. AMUSEMENT APPARATUS. ANTON HULSMANN, San Francisco, Calif. Filed Apr. 14, 1922. Serial No. 552,469. 2 Claims. (Cl. 46—59.)

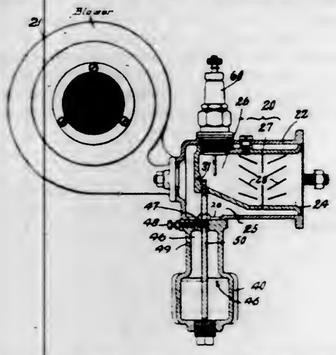


1. In an amusement apparatus of the character described, the combination with a platform, of a box-like structure positioned adjacent one end of said platform and adapted to support a player in a prone position thereon, a stand positioned adjacent the opposite end of said platform and adapted to support a missile throwing player thereon, mechanism under the control of the first mentioned player and connected to said stand for deflecting the aim of the missile throwing player, said mechanism comprising a stub shaft for supporting said stand, a baseboard secured to the underside of said platform and having the lower extremity of the shaft freely mounted therein, a link arm connected to said stub shaft, a pivoted lever under the control of the objective player, and a cross rod connecting said lever and said link arm.

1,467,935. BURNER. JOHN H. HUNT, Dayton, Ohio, assignor to The Dayton Engineering Laboratories Company, a Corporation of Ohio. Filed Mar. 27, 1919. Serial No. 285,662. 5 Claims. (Cl. 158—28.)

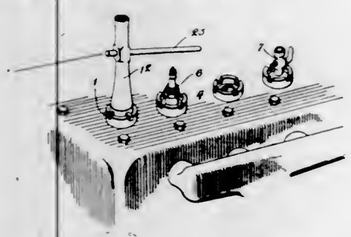
5. In a liquid fuel burner, the combination with a body having an air chamber and an opening in a wall thereof; of a part detachably secured to the body and

providing a closure for said opening, said part having an air passage leading to said air chamber; a fuel reser-



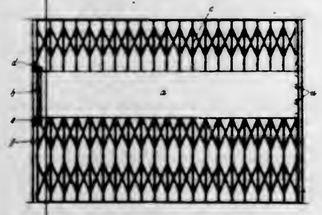
voir supported by said part; and a nozzle concentric with said part and extending from the reservoir into the burner.

1,467,936. VALVE-PLUG REMOVER. LOUIS A. JANSSEN, Pittsburgh, Pa. Filed Oct. 26, 1922. Serial No. 597,148. 8 Claims. (Cl. 81—71.)



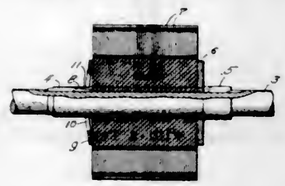
1. A valve plug tool, including a member adapted for threaded connection with the plug to secure the plug and member against relative endwise movement, and removable means to engage the member and plug to prevent relative rotary movement.

1,467,937. ADVERTISING DEVICE. BASIL ERNEST JARVIS, Newmarket, England, assignor to Albert Edward Tilley, Holborn, London, England. Filed June 1, 1922. Serial No. 565,135. 5 Claims. (Cl. 40—125.)



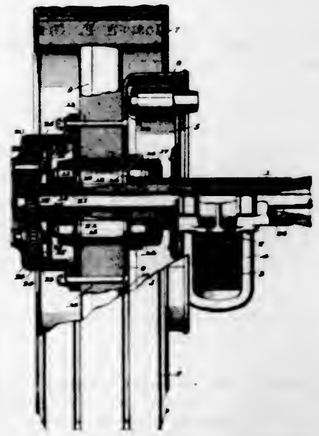
1. An advertising device consisting in the combination with a collapsible lattice-gate of the lazy-tong type of a screen of the spring-roller-blind type for the display of advertisements and adapted to be distended over the lattice-gate as a result of the extension thereof across the gateway-opening, said screen comprising a sheet of flexible material attached by its respective terminal edges to a point toward the free end of the lattice-gate and to a roller mounted in stationary position on a fixed support adjacent to that side of the gateway-opening whereat the other end of the lattice-gate is permanently fixed, said roller being adapted to revolve under spring-action to wind the screen upon the roller as the gate is being opened, brackets for removably mounting said roller on the fixed support and means whereby the free terminal edge of the screen is adapted to be detached at will from the lattice-gate.

1,467,938. FASTENER FOR SECURING DISKS ON SHAFTS. JOHN T. JANETTE, Chicago, Ill. Filed Nov. 8, 1920. Serial No. 422,608. 1 Claim. (Cl. 287—53.)



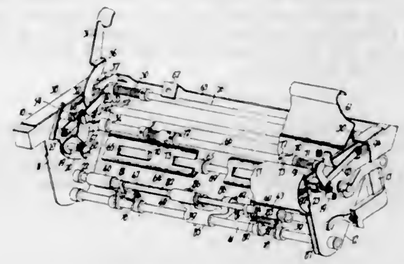
An armature construction comprising a shaft having an abutment at one end thereof, a plurality of laminations on said shaft adapted to be held against said abutment, a ring having its outer portion pressing on the laminations to hold them against said abutment said ring having a plurality of inwardly projecting tongues with a central opening of less diameter than the shaft, the portions of the tongues engaging with a shaft, being harder than the shaft whereby they will cut into the shaft when pressed down, the arrangement being such when the ring is pressed to holding position the ends of the tongues will be spaced from the adjacent laminations, substantially as described.

1,467,939. MOTOR VEHICLE. HERSCHEL B. KNAP, Detroit, Mich., assignor to Packard Motor Car Company, Detroit, Mich., a Corporation of Michigan. Filed Mar. 3, 1919. Serial No. 280,368. 7 Claims. (Cl. 74—7.)



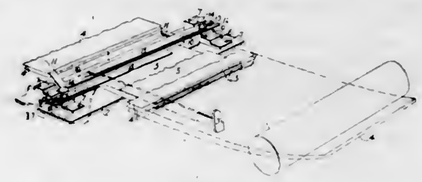
1. In axle and wheel construction, the combination with a tubular supporting member, and an internal gear mounted thereon, of a wheel wholly supported on separated bearings on said member and having a hub extending over the end of said supporting member, a driving shaft extending through said member and having a pinion, a bearing for the shaft in the wheel hub, and a gear supported by the wheel in mesh with said pinion and gear.

1,467,940. TYPEWRITING MACHINE. ALFRED G. F. KUROWSKI, Brooklyn, N. Y., assignor to Underwood Typewriter Company, New York, N. Y., a Corporation of Delaware. Filed Oct. 2, 1919. Serial No. 328,019. 33 Claims. (Cl. 197—127.)



1. In a front-strike typewriting machine, the combination with a revoluble platen, of a substantially horizontal bottom paper-table at the rear of the platen and having its forward edge adjacent the bottom of the platen, a rear paper-table forwardly and downwardly inclined to guide work-sheets to the back of the platen and to hold the same above the bottom paper-table, a rear feed-roll to co-operate with the platen adjacent the lower edge of the inclined rear paper-table and above said bottom paper-table, and feed-rolls positioned to engage the platen at the lower front portion thereof to co-operate with the platen in feeding work-sheets extending around the latter.

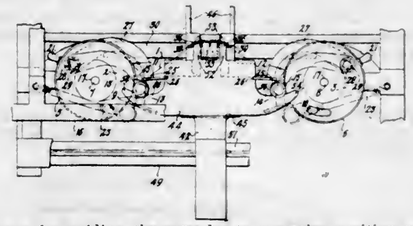
1,467,941. TYPEWRITING MACHINE. ALFRED G. F. KUROWSKI, Brooklyn, N. Y., assignor to Underwood Typewriter Company, New York, N. Y., a Corporation of Delaware. Filed July 21, 1920. Serial No. 397,837. 16 Claims. (Cl. 197—126.)



1. A carbon-holding device for typewriters, comprising a bar-support, a carbon-holding bar slidably mounted and guided on the bar-support to be adjustable thereon in the direction of the length of the bar for varying its effective length as determined by the width of the work, and clamping means engageable with the bar and with the bar-support to secure the bar firmly in various positions of longitudinal adjustment on the bar-support.

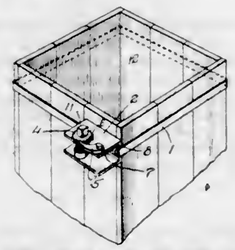
1,467,942. TYPEWRITING MACHINE. ALFRED G. F. KUROWSKI, Brooklyn, N. Y., assignor to Underwood Typewriter Company, New York, N. Y., a Corporation of Delaware. Filed July 25, 1921. Serial No. 487,215. 21 Claims. (Cl. 197—151.)

1. In a typewriting machine, the combination of a guide for the ribbon at the printing point, comprising a pair of arms, spaced to receive the ribbon therebetween, and normally in contact with each other beyond the edge of the ribbon to embrace the latter, said contact being severable for ribbon insertion and removal, by movement of one of said arms from the other, means for effecting such arm-separating movement, comprising a spreader adapted to be inserted between the arms, and



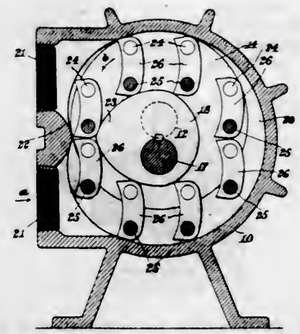
means for guiding the spreader to operative position and guides in the machine for co-operating with said spreader-guiding means.

1,467,943. COLUMN CLAMP. LYDIA LAMPERT, Chicago, Ill. Filed Mar. 4, 1922. Serial No. 540,989. 2 Claims. (Cl. 24—19.)



1. A clamp for concrete molds comprising a holder providing an arbor bearing and having radially disposed open recesses leading to said bearing, a single arbor journaled thereon, a flexible binding member having one end permanently attached to said holder and the other end permanently attached to said arbor, said arbor being removable from said holder in a radial direction through said recesses with the band attached thereto to permit said band to be passed around the mold after which it is adapted to be drawn up by the rotation of said arbor on said holder and means for locking said arbor to hold said binding member in its drawn up position.

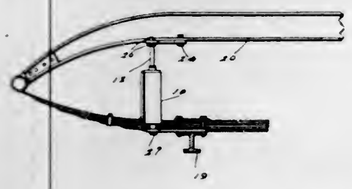
1,467,944. ROTARY PUMP. MAX C. MASON, Keene, N. H. Filed Jan. 5, 1922. Serial No. 527,234. 7 Claims. (Cl. 103—134.)



1. A casing having a chamber therein with inlet and outlet passages; a stationary member in said chamber co-acting with the wall of said chamber between said pas-

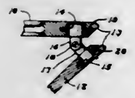
sages to form a restricted path; a plurality of blades adapted to move within said chamber about said member, each having a thickness on its median line and lines on opposite sides thereof and parallel thereto equal to the narrowest part of said restricted path whereby the path will be entirely closed during the passage of the blades therethrough; and means preventing the rotation of said blades about their individual axes.

1,467,945. SHOCK ABSORBER. HENRY E. MOORE and BENJAMIN F. MOORE, Vance, Wash. Filed June 29, 1921. Serial No. 481,399. 1 Claim. (Cl. 188—88.)



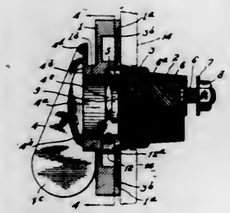
A shock absorber for vehicles comprising a cylinder arranged between the vehicle frame and adjacent axle, a piston arranged to reciprocate therein, a piston rod, means for conveying air from one side of the piston to the other as the piston is reciprocated, resilient elements secured to the frame and axle, and said elements having coiled portions associated with the said cylinder and piston rod for supporting the shock absorber for rocking movement for the purpose specified.

1,467,946. SPECTACLE HINGE. FRANCIS A. MORRIS, Philadelphia, Pa., assignor to Bachmann Bros., Philadelphia, Pa. Filed Aug. 7, 1922. Serial No. 580,356. 2 Claims. (Cl. 88—53.)



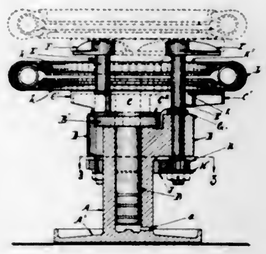
1. The combination with the lens frame and bow of spectacle having faces which meet when the elements are extended, of a hinge connecting said frame and bow, and means for securing said hinge in place in said frame and bow and inserted in said frame and bow at said faces.

1,467,947. SWITCH. HARRY E. NORVIEL, Cleveland, Ohio, assignor to The Teagle Company, Cleveland, Ohio, a Corporation of Ohio. Filed Oct. 16, 1919. Serial No. 331,160. 5 Claims. (Cl. 200—155.)



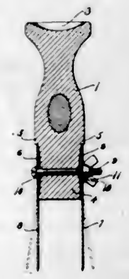
1. In an electric switch, the combination of a metallic support and casing member having a cylindrical-walled aperture, a casing structure secured to the rear side of said annular casing member, an insulated fixed electrode mounted in the rear casing structure in a position eccentric to the said cylindrical aperture, a movable electrode carrier having a cylindrical part rotatably mounted in the said aperture of the support and formed with a shoulder bearing against the outer face of said member, and with a peripheral groove adjacent the inner face of said member, a resilient split ring disposed in said groove to engage the inner side of said support and casing member and hold the movable electrode carrier in operative position, and an electrode on the said carrier arranged to be moved into and out of engagement with the fixed electrode by rotation of said carrier.

1,467,948. TIRE PRESS. MORRIS A. PEARSON, Erie, Pa., assignor to Allen Machine Company, Erie, Pa., a Corporation of Pennsylvania. Filed Oct. 6, 1921, Serial No. 505,831. Renewed May 31, 1923. 3 Claims. (Cl. 18—2.)



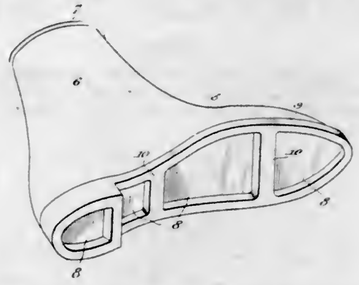
3. In an apparatus of the class described, a hydraulic cylinder, a ram in said cylinder, a skeleton table supported on said ram, bracket bearings on said cylinder, shafts mounted in said bearings, clamp arms secured on said shafts adapted to be swung inward and pass below the upper plane of said table when said ram raises said table to its uppermost position, and gear mechanism adapted to cause said shafts and clamp arms to rotate in unison.

1,467,949. MEAT CLEAVER AND TENDERER. OLYNTHUS HOWARD PERSHING, Muncie, Ind. Filed Dec. 20, 1922. Serial No. 608,019. 2 Claims. (Cl. 17—27.)



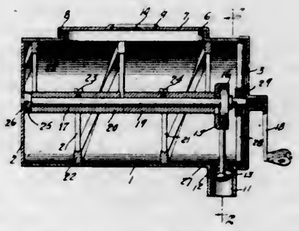
1. In a device for the purpose set forth, a head, a handle therefor, said head having a concaved face and a reduced lug opposite the face, said lug having its outer faces concaved, segmental blades contacting said face of the lug and resting on the shoulders between the lug and head, and adjustable means securing the blades on the lug, as and for the purpose set forth.

1,467,950. OVERSHOE. FREDERICK RAUSCHER, West New Brighton, N. Y. Filed Nov. 12, 1921. Serial No. 514,679. 1 Claim. (Cl. 36—5.)



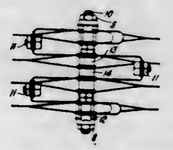
A device of the class described comprising a structure embodying a contractible upper part adapted to embrace an ordinary shoe, said part provided with a contractible extension having an elastic ring at its free edge, a sole and heel member secured to said upper part and provided with transversally extending spaced ribs, and bottom portions exposed from the spaces between said ribs.

1,467,951. SOAP DISPENSER. LYMAN S. ROSENBERGER, Philadelphia, Pa. Filed Oct. 11, 1921. Serial No. 506,976. 4 Claims. (Cl. 221—102.)



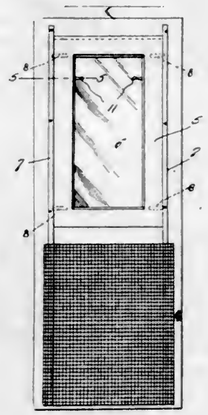
1. A soap dispensing device comprising a tubular container having a discharge opening, a rotatable shaft extending longitudinally through said opening, manually actuated means for rotating said shaft, a spiral conveyer secured to said shaft and positioned to force soap toward said discharge opening, and a reciprocating member operated by said shaft extending through said opening for preventing clogging, said reciprocating member being operated simultaneously with the rotation of said shaft and the movement of said spiral conveyer.

1,467,952. GRID RESISTANCE. LEONARD SATCHWELL, Slough, England, assignor to The Rheostatic Company Limited, Slough, Buckinghamshire, England. Filed June 11, 1923. Serial No. 644,536. 7 Claims. (Cl. 219—69.)



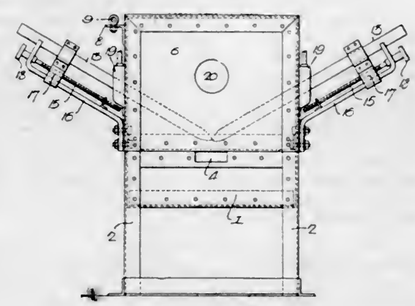
1. A resistance grid comprising a length of conductor formed into a grid and including bars splayed apart, and an insulated member on which said bars are clamped, said member threaded between said bars about midway of their length.

1,467,953. COMBINATION SASH AND SCREEN DOOR. JOHN DAVID SELLARS, Long Beach, Calif. Filed Sept. 1, 1922. Serial No. 585,702. 2 Claims. (Cl. 20—36.)



1. A door of the class described having a screened opening therein, guideways on one face of the door, recesses formed in the inner parts of the guideways, a slidable panel for closing the opening, lugs on the panel engaging the guideways and adapted to engage recesses therein, a locking bolt for locking the panel in the opening and said bolt also engaging the outer edge of one of the guideways to hold the lugs in the recesses to hold the panel in partly open position.

1,467,954. ELECTRIC WELDING FURNACE. ISAAC D. SHIPPER, Philadelphia, Pa. Filed June 7, 1922. Serial No. 566,514. 4 Claims. (Cl. 219—7.)

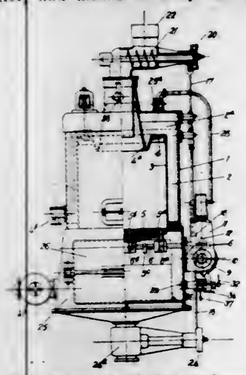


1. The combination in an electric welding furnace, of a base section having a groove therein to receive the material to be welded, said groove being enlarged at the center of the furnace to form a mold; and an upper section having a chamber therein above the mold and also having passages therein for the carbon electrodes which terminate directly above the mold.

1,467,955. GAS PRODUCER. DAVID JOSEPH SMITH, London, England, assignor, by mesne assignments, to Automotive Gas Producer Corporation, a Corporation of Delaware. Filed Nov. 10, 1919. Serial No. 336,863. 9 Claims. (Cl. 48—67.)

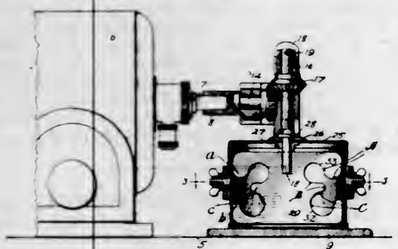
2. In a gas producer, the combination therewith, of a boiler heated by the producer furnace, a steam engine

mounted upon the producer and supplied with steam by the said boiler, and means whereby the movable parts



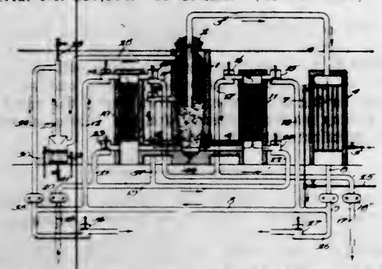
essential to the operation of the producer are operated from the engine.

1,467,956. DENTAL ATTACHMENT. JACOB J. STARK, Brooklyn, N. Y. Filed Dec. 5, 1922. Serial No. 605,134. 2 Claims. (Cl. 259—134.)



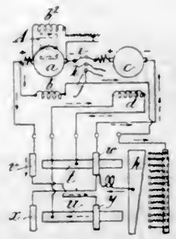
1. In a mixer for dental casts, the combination with a cylindrical container for a mass to be mixed, of a rotatable stirrer member including a beater arranged diametrically of the container for rotation about the axis of the container, said beater being a thin plane plate having a straight bottom edge close to and substantially parallel with the bottom of the container and having side edges above said bottom each close to and substantially parallel with the side wall of the container, said plate having a portion cut away from one side edge of the plate to provide a scalloped side edge for the plate, said scalloped edge including at least three reversely curved portions.

1,467,957. METHOD OF GENERATING GAS. FREDERICK T. SNYDER, Oak Park, Ill. Filed Oct. 13, 1919. Serial No. 330,314. 13 Claims. (Cl. 48—202.)



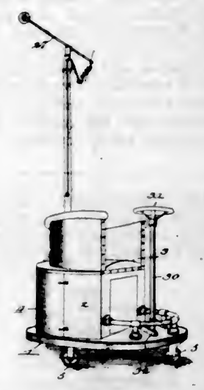
2. The method of producing gas which consists in subjecting one portion of a mass of carbonaceous fuel to the action of gas and steam to generate additional gas, subjecting another portion of the same mass of fuel to the distilling action of the produced gas to produce other gas, simultaneously burning some of the produced gas and with the resultant heat in subsequent cycle heating the gas to which the first mentioned fuel portion is subjected.

1,467,958. POWER-TRANSMISSION CONTROL. WILLIAM ARTHUR STEVENS, Maidstone, England. Filed Oct. 4, 1921. Serial No. 505,231. 4 Claims. (Cl. 172—239.)



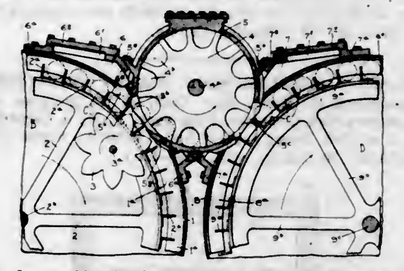
1. In an electrical transmission arrangement of the kind herein referred to, comprising an electric generator having shunt and series field windings, a motor having a series field winding and a variable resistance device in series with the generator series field winding, a circuit controller comprising stationary and movable contacts and adapted in one position to effect forward running of the motor, in another position to effect reverse or backward running of the motor, and in an intermediate neutral position to short circuit the generator series field winding and resistance device and also to short circuit the motor series field winding, and to maintain the circuit through the armatures of the generator and motor unbroken when moving from either the forward or backward running position to the intermediate position.

1,467,959. AMUSEMENT DEVICE. HAROLD STOEHRER and MAX STOEHRER, Methuen, Mass., assignors to Stoehrer & Pratt Dodgem Corporation, Lawrence, Mass., a Corporation. Filed Mar. 27, 1920. Serial No. 369,381. 2 Claims. (Cl. 180—2.)



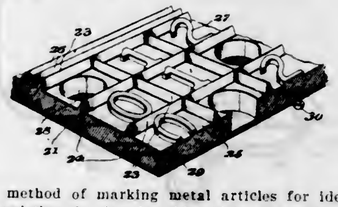
1. An amusement device consisting of a car having uncontrolled traveling supports free to travel upon a floor in any direction, a motor driven traction unit carried by the car and having an element also adapted to travel upon the floor in any direction, means for causing a change in direction of movement of the car, and an overhead electrical trolley device carried by the car to supply current to the motor.

1,467,960. COOKING AND COOLING APPARATUS. ALBERT R. THOMPSON, San Jose, Calif., assignor to Anderson-Barngrover Mfg. Co., San Jose, Calif., a Corporation of California. Filed Oct. 10, 1921. Serial No. 506,805. 14 Claims. (Cl. 126—272.)



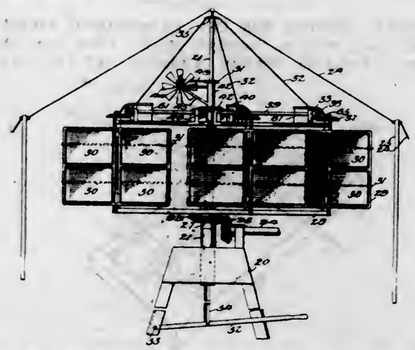
1. In combination a cooker, and a cooler arranged side by side and parallel, with the outlet of the cooker beside the inlet of the cooler; means for moving cans through the cooker; means for moving cans through the cooler; a valve casing between and directly communicating with the outlet of the cooker and the inlet of the cooler, means in the cooker for directing cans therefrom into the valve casing, and a valve in said casing for transferring cans directly from the cooker to the cooler.

1,467,961. IDENTIFICATION METHOD AND MEANS. MILTON TIBBETTS, Detroit, Mich., assignor to Packard Motor Car Company, Detroit, Mich., a Corporation of Michigan. Filed Feb. 21, 1920. Serial No. 360,367. 19 Claims. (Cl. 40—2.)



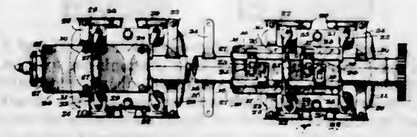
1. A method of marking metal articles for identification consisting in forming identifying symbols on one face of the article, removing one of said symbols by cutting through the article, and covering the opening so made.

1,467,962. WIND MOTOR. WILLIAM RICHARD TWIFORD, Miami, Fla. Filed June 7, 1922. Serial No. 566,515. 14 Claims. (Cl. 170—25.)



8. A wind motor of the class described including a motor wheel having blades turnable to various angular positions to successively present the blades to the wind, actuating means on said motor wheel for turning the blades, a sleeve coaxial with said motor wheel, a controlling wind wheel to determine the angular positions of the blades, means on said sleeve supporting the shaft of said controlling wheel, said controlling wheel and sleeve being turnable about a vertical axis to respond to a shift of the wind, drive connections between the shaft of the controlling wheel and the said sleeve, and drive connections between said sleeve and said blade actuating means on the motor wheel.

1,467,963. HYDROCARBON MOTOR. JESSE G. VINCENT, Detroit, Mich., assignor to Packard Motor Car Company, Detroit, Mich., a Corporation of Michigan. Filed Jan. 11, 1919. Serial No. 270,658. 3 Claims. (Cl. 123—90.)



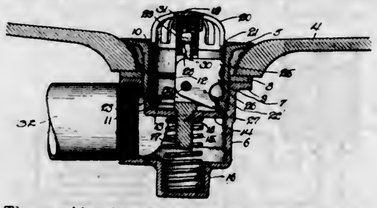
1. In a hydrocarbon motor, in combination with a cam shaft, a casing, a bearing in said casing, a cover for said bearing, rock shafts on opposite sides of the axis of the cam shaft, and a valve operating rock arm on each rock shaft at the end thereof, there being a pair of rock shafts for each cylinder, said arms of opposite shafts being directly aligned transversely of the axis of the cam shaft.

1,467,964. VALVE-ACTUATING LEVER FOR INTERNAL-COMBUSTION ENGINES. PIERRE JEAN RENÉ POSTEL-VINAY, Paris, France, assignor to Societe des Moteurs Salmson, Systeme Canton-Unne, Paris, France. Filed Apr. 28, 1920. Serial No. 377,408. 2 Claims. (Cl. 123—90.) (Granted under the provisions of the act of Mar. 3, 1921, 41 Stat. L., 1313.)



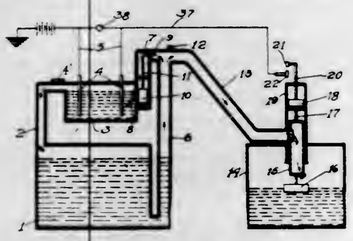
1. A valve actuating lever for explosion engines, comprising a lever proper provided with a recess at its operative end, a sector shaped wearing piece adapted to rock freely inside said recess, the inner portion of said wearing piece bearing upon the bottom of said recess, whilst the curved edge in contact with the valve stem is adapted to roll directly on the end of said valve stem, and means for retaining said wearing piece within said recess.

1,467,965. WASTE OR OUTLET VALVE. EARL G. WATROUS, Chicago, Ill. Filed Jan. 12, 1923. Serial No. 612,209. 9 Claims. (Cl. 4—35.)



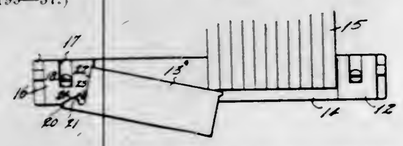
1. The combination with a valve member, of a longitudinally movable actuating member and means coacting with said actuating member whereby a predetermined movement thereof in one direction will open the valve and hold it in open position and a further movement of the actuating member in the same direction will first release the valve and then permit it to return to closed position.

1,467,966. MEANS FOR REPLENISHING STORAGE BATTERIES WITH WATER. HARRY WATZMAN, Washington, D. C. Filed Nov. 12, 1921. Serial No. 514,831. 7 Claims. (Cl. 204—29.)



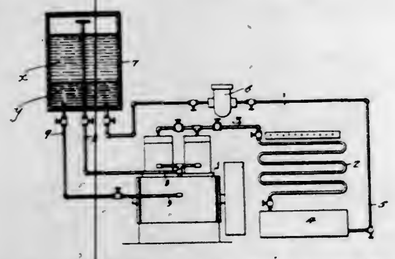
5. A device of the character described, comprising a main water tank, an auxiliary tank containing a solution of sulphuric acid and water disposed above said main tank, electrodes within said solution, an electric circuit connected with the electrodes, a stand pipe connected with the bottom of the main tank, automatically actuated means connected with one end of the auxiliary tank and the upper end of the stand pipe for maintaining the proper level of the solution within said auxiliary tank, a water delivery pipe connected with the upper end of the stand pipe and with the top portion of a storage battery, and automatically operated means connecting the delivery pipe with the battery adapted to maintain a certain level of the liquid within said battery.

1,467,967. LINER FOR TYPOGRAPHICAL CASTING MACHINES. LLOYD I. WILMANS, Dallas, Tex. Filed Apr. 10, 1922. Serial No. 551,035. 9 Claims. (Cl. 199—57.)



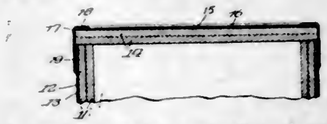
1. A mold liner consisting of a structure having a pivoted joint for permitting a swinging movement outwardly when the liner is engaged by the ejector and inwardly into the mold when the liner is engaged by parts in front of the face of the mold, said structure also being provided with means for allowing it to undergo a limited longitudinal movement during its swinging movement.

1,467,968. REFRIGERATING SYSTEM. JOSEPH F. WINKLER, Philadelphia, Pa. Filed Jan. 17, 1922. Serial No. 529,840. 5 Claims. (Cl. 62—115.)



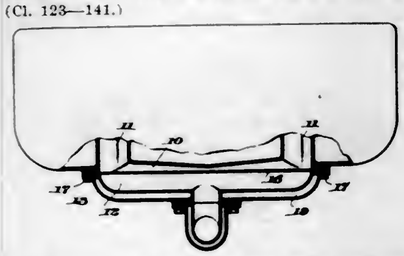
1. The combination in a refrigerating system of a compressor having a crank case; a condenser connected to receive compressed gas from said compressor; a container outside and structurally independent of the compressor structure in which liquefied refrigerant is gasified; a conduit connecting said container with the intake of the compressor; and a second conduit connecting the crank case of the compressor with the container in position to draw off therefrom by gravity and while the system is in operation the oil collecting therein.

1,467,969. MOISTUREPROOF FIBER CONTAINER. FREDERICK P. WOOD, New York, N. Y., assignor to American Can Company, New York, N. Y., a Corporation of New Jersey. Filed Apr. 18, 1919. Serial No. 290,929. 10 Claims. (Cl. 229—3.1.)



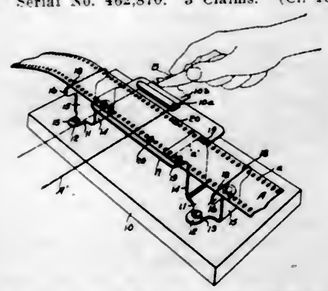
10. A container having a plurality of separate impermeable asphalt sheets entirely enclosing the packing space of the container excepting at the places between said sheets, and pieces of sheet metal directly contacting with and uniting said asphalt sheets and covering all of said places between said sheets.

1,467,970. HYDROCARBON MOTOR. LIONEL M. WOOLSON, Detroit, Mich., assignor to Packard Motor Car Company, Detroit, Mich., a Corporation of Michigan. Filed Dec. 17, 1919. Serial No. 345,587. 8 Claims. (Cl. 123—141.)



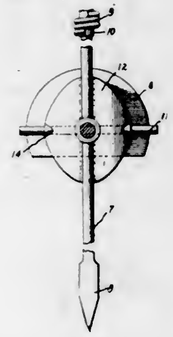
1. In combination, a hydrocarbon motor comprising a plurality of cylinders, an elongated intake manifold secured to said motor and adapted to conduct the mixture to said cylinders, and means extending throughout the length of said manifold and interposed between said intake manifold and the cylinders of said motor for securing a uniform distribution of fuel to said cylinders.

1,467,971. DEVICE FOR USE IN MENDING FILMS. ROY GAIL WYMAN, Brooklyn, N. Y. Filed Apr. 20, 1921. Serial No. 462,870. 3 Claims. (Cl. 154—42.)



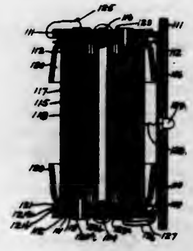
1. A device for mending motion picture films, said device having bottom portions adapted to be secured to a base, end sheet metal standards on said device, sheet metal standards between the end standards, vertical gage tongues at the upper edges of the end standards, and pairs of vertical gage tongues between the end standards, the pairs being remote from the end standards and from each other, the tongues of a pair being spaced to enter the respective side openings in a motion picture film.

1,467,972. SUPPORTING DEVICE FOR NEEDLES OR POINTERS. ALBERT R. BECKERT, Lynn, Mass., assignor to General Electric Company, a Corporation of New York. Filed Dec. 20, 1921. Serial No. 523,770. 3 Claims. (Cl. 116—129.)



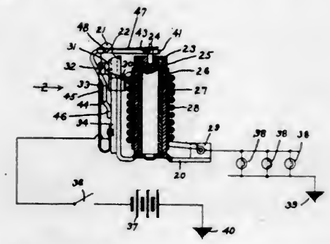
3. In an instrument, a shaft provided with an opening, a pointer adjustably held in said opening, a rod extending through said shaft adjacent and at right angles to said pointer and means for holding said pointer in adjusted position comprising a resilient, saucer-shaped, disc provided with a central opening for said shaft, a groove in its convex surface for receiving said pointer and notches in its outer edge for receiving said rod, adapted to be compressed between said pointer and rod.

1,467,973. INDUCTION COIL. JOHN H. HUNT and WILLIAM A. CHRYST, Dayton, Ohio, assignors to The Dayton Engineering Laboratories Company, a Corporation of Ohio. Original application filed Dec. 22, 1917, Serial No. 208,369. Divided and this application filed Sept. 23, 1918. Serial No. 255,257. 13 Claims. (Cl. 175—359.)



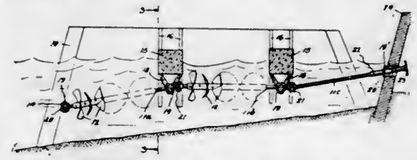
1. In an induction coil, the combination with a coil assembly including a core; of a support therefor, including brackets of conducting material, each having means for supporting an end of the core of the coil assembly; and means for mechanically attaching said core to said brackets while insulating the brackets from one another.

1,467,974. CIRCUIT-BREAKER-INDICATING DEVICE. JOHN H. HUNT, Dayton, Ohio, assignor to The Dayton Engineering Laboratories Company, a Corporation of Ohio. Filed Aug. 13, 1919. Serial No. 317,193. 7 Claims. (Cl. 177—311.)



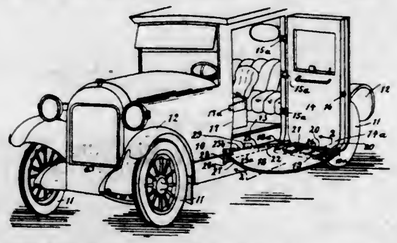
2. In a vibrating circuit breaker, the combination with cooperating contacts; of means tending to maintain engagement of said contacts; and electro-magnetic means for intermittently separating said contacts when the current passing across them exceeds a certain value, said means including a magnetizable armature, a coil in circuit with said contacts, and a plurality of cores excited by said coil, one core for effecting the increase of flux through said armature with relatively small lag behind the increasing of current in said coil, and another core having means for effecting the decrease of flux through said armature with relatively great lag behind the time for contact separation.

1,467,975. WATER MOTOR. HERBERT M. DAVIS, Brooklyn, N. Y. Filed July 1, 1922. Serial No. 572,234. 4 Claims. (Cl. 170—126.)



2. In a water motor, the combination of a plurality of shaft members, propeller means on each shaft member, stationary means to journal the remote ends of the shaft members for rotation at fixed points, means to sustain the intermediate joints between pairs of adjacent shaft members for universal movement irrespective of the variable angles between the axes of the adjacent shaft members, said suspending means comprising floats, and means for holding the floats from movement in any direction except vertically.

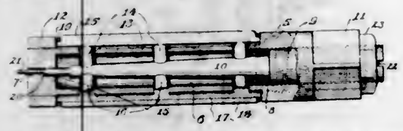
1,467,976. DISAPPEARING VEHICLE STEP. JOSEPH R. GANNON, New York, N. Y. Filed Sept. 15, 1922. Serial No. 588,329. 5 Claims. (Cl. 280—166.)



5. A disappearing step on a vehicle, comprising a segmentally shaped platform, attached to a swing door, forming a part of the vehicle body, in such a way that

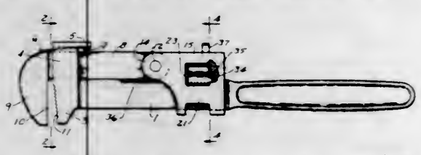
it swings around the same axis and in the same direction as the swing door, simultaneously and automatically with the door, means to guide said platform, and stopping means to fixedly hold the door and the platform at a given point.

1,467,977. COMBINED REAMER AND POLISHER. ROY C. MCCLAY, Los Angeles, Calif., assignor of one-half to William H. Myers, Los Angeles, Calif. Filed Aug. 17, 1921. Serial No. 492,986. 3 Claims. (Cl. 29—90.)



1. A reamer and polisher comprising a hollow mandrel having transverse holes therein, said mandrel being interiorly threaded in a portion of its bore, said threaded portion being at the head thereof and expander having a tapered body and a threaded head, said head engaging the threads of the mandrel, a reaming blade having pins projecting through the transverse holes in the mandrel; expander bars having pins projecting through the transverse holes in the mandrel; and a jacket surrounding said expander bars and contacting with the sides of the reaming blade.

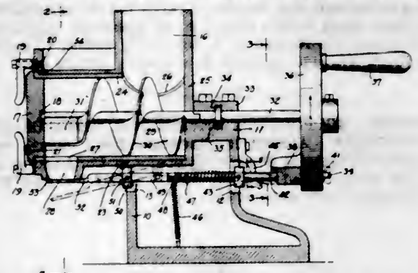
1,467,978. QUICK-SET WRENCH. FRANK NICHOLSON, Seattle, Wash., assignor of seventy per cent to John H. Lagrell and twenty-five per cent to Analdo H. Richards, both of Seattle, Wash. Filed July 11, 1922. Serial No. 574,150. 2 Claims. (Cl. 81—137.)



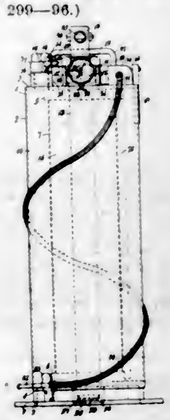
1. A wrench having a stock with the lower jaw on one end; the handle on the opposite end; teeth in its upper edge which slant from one side to the other; and a yoke with a spring in its upper end at one end and above the lower jaw; a cap with a rectangular opening in it to permit it to slide over the stock; a recess above this opening with a beveled surface at the rear, and ears projecting from it above the opening for the stock; an upper jaw with a shank projecting through the yoke, the inner end of which is pivoted between the ears of the cap; and a ratchet pivotally mounted in the recess in the cap, said ratchet having a projection which extends through the upper side of the cap by which teeth in its lower side may be thrown into and out of engagement with the teeth in the stock, a beveled surface at its rear end to engage the beveled surface in the cap, and said ratchet being held on a pin by a set screw which pin is held rearwardly by a spring at its forward end, and said cap having a notch into which the spring may force the projection on the ratchet, to hold the teeth of the ratchet out of engagement with those of the stock.

1,467,979. BUTTER-CUTTING MACHINE. JOACHIN LEON PARSELLI, Copiague, N. Y. Filed July 1, 1921. Serial No. 481,888. 3 Claims. (Cl. 31—65.)

1. In a butter cutter, the combination of a casing, means including a movable member to feed butter through the casing, said member being a crank wheel, a cutting member movable in a straight path while acting to sever portions of the butter from the bulk as it is fed from the casing, and means carried by the movable member aforesaid to cause a successive movement of the cutting member along a different path, the means for actuating the cutting member being a double cam carried by said crank wheel and acting in succession to move the cutting member in different directions.

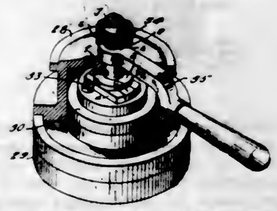


1,467,980. FIRE EXTINGUISHER. ALBERT B. PHISTER, Fort Thomas, Ky., assignor to The Phister Manufacturing Company, Cincinnati, Ohio, a Corporation of Ohio. Filed June 16, 1919. Serial No. 304,382. 20 Claims. (Cl. 299—96.)



1. In a fire-extinguisher, a liquid compartment, an air compartment, air-forcing means, an air valve communicating with said air compartment, a shifting valve to open communication either between said air valve and said liquid compartment to the exclusion of said air-forcing means or between said air valve and said air-forcing means to the exclusion of said liquid compartment, and means operated simultaneously with said air valve for controlling discharge of liquid from said liquid compartment.

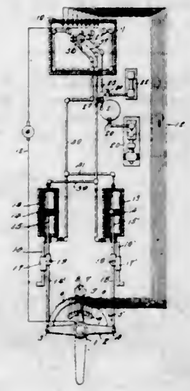
1,467,981. VALVE. PETER A. JOHNSON, Portland, Oreg. Filed July 26, 1921. Serial No. 487,790. Renewed June 18, 1923. 9 Claims. (Cl. 303—52.)



1. In a valve mechanism, a valve housing having a valve seat, a valve mounted within the valve seat, said valve having slots forming valve ports to permit the passage of fluid from one pipe to another, and one way valve openings leading from the valve ports into the housing whereby the passage of fluid into the housing produces a pressure tending to hold the valve seated.

4. In a valve mechanism, a base part and a cylindrical part, said base part and cylindrical part forming a housing, the base part having two supply openings, two line pipe openings and an exhaust opening therein for the passage of fluids, a valve seated within the housing and having oppositely disposed slots therein for the valve ports to permit the passage of fluid from one pipe to said oppositely disposed slots, when the valve is in normal position, thus permitting the free passage of fluid from the supply pipes to the line pipes; when in another position, permitting the free passage of fluid from one supply pipe to one line pipe and from the other line pipe and to the exhaust pipe and when in the third position the other supply pipe is in communication with the last named pipe, and the first named line pipe is in communication with the exhaust pipe, said valve having valve controlled openings leading from the valve ports into the housing.

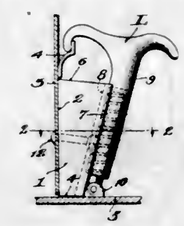
1,467,982. SHIP-STEERING APPARATUS. PETER A. JOHNSON, Portland, Oreg. Filed Mar. 28, 1921, Serial No. 456,377. Renewed June 18, 1923. 3 Claims. (Cl. 114—150.)



1. In a steering apparatus for vessels, the combination with a rudder, two separate fluid pressure cylinders, a piston in each cylinder, means attached to each piston for controlling the rudder, a two-part pipe line system conducting fluid to and from each of the fluid pressure cylinders of a valve controlling the flow of fluid in the two-part pipe line system, comprising a valve housing, valve seat, a valve mounted within the valve seat, said valve having slots forming valve ports to permit of the passage of fluid to one pipe and the exhaust of fluid from the other pipe or to admit fluid to both pipes and one-way valve openings leading from the valve ports into the housing, whereby the passage of fluid into the housing produces a pressure tending to hold the valve seated and leakage from the housing through the exhaust port is prevented.

1,467,983. AUTOMOBILE-HOOD-LATCHING DEVICE. WILLIAM R. HALLIWELL, Providence, R. I., assignor to Atlantic Tubing Company, Providence, R. I. Filed June 28, 1922. Serial No. 571,506. 7 Claims. (Cl. 292—67.)

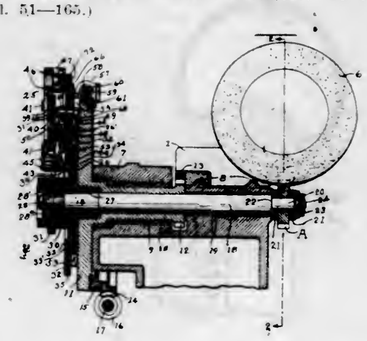
1. An attachment for automobile hoods to prevent rattling of the hood latch, including a block of rubber having a rear face to engage against the side of the hood, a bottom face to seat on the sill, an upper face to engage against the keeper of the latch, and an inclined front face having a V-shaped vertical groove to wedgingly receive the shank of the latch, the hinging mounting of the latch being received in the base of the groove and means to secure the rubber block to the hood.



1,467,984. EMPLOYING DERIVATIVES OF THE CONDENSATION PRODUCTS OF AMINES AND ALDEHYDES IN THE VULCANIZATION OF RUBBER. CLAYTON OLIN NORTH, Tallmadge, Ohio. Filed Mar. 24, 1923. Serial No. 627,328. 14 Claims. (Cl. 18—53.)

2. A process of treating rubber which comprises combining rubber with a vulcanizing agent and an aldehyde derivative of the polymerized condensation product of an aldehyde and amine and vulcanizing the rubber mix.

1,467,985. INDEXING MECHANISM. CHARLES H. SCHURR, Cleveland, Ohio, assignor to The Lees-Bradner Company, Cleveland, Ohio, a Corporation of Ohio. Filed May 31, 1921. Serial No. 473,857. 28 Claims. (Cl. 51—165.)

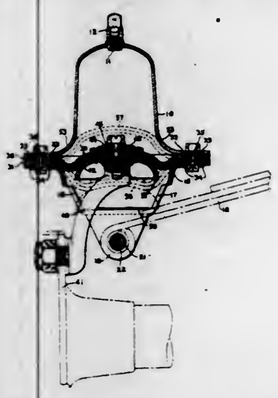


1. In apparatus of the class described, the combination of a support, a work spindle rotatably mounted on said support, a tool, means for causing relative movement between said tool and work spindle support, means for rotating said work spindle in opposite directions, and means carried entirely by said work spindle support for indexing said work spindle.

1,467,986. PNEUMATIC SHOCK ABSORBER. EDWARD VAN DER PYL, Worcester, Mass., assignor to Aerobelle Company, a Corporation of Massachusetts. Filed Mar. 27, 1922. Serial No. 547,149. 10 Claims. (Cl. 267—65.)

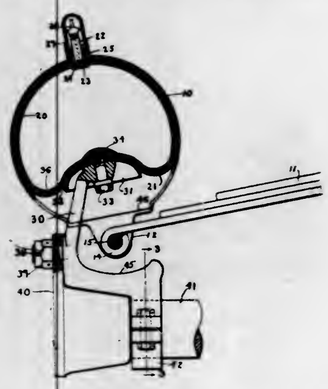
1. In combination with a vehicle having two relatively movable parts, a shock absorber supporting one part on the other comprising an impervious air container having a flexible wall, a fixed connection between one vehicle part and said wall which forms the sole support for the

container and a pivotal connection between the container and the other vehicle part which permits the container



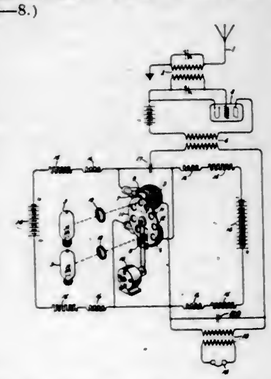
to swing about said support, whereby both horizontal and vertical movements of the supported vehicle part are permitted and shocks incident thereto are absorbed.

1,467,987. SHOCK ABSORBER. EDWARD VAN DER PYL, Worcester, Mass., assignor to Aerobelle Company, a Corporation of Massachusetts. Filed July 12, 1922. Serial No. 574,376. 5 Claims. (Cl. 267—32.)



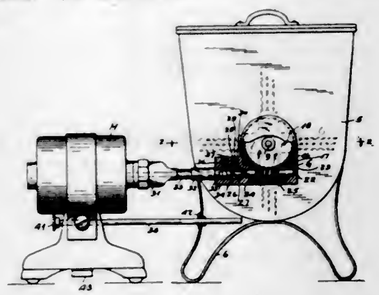
1. In combination with a vehicle having a body and a running gear, a shock absorber therebetween comprising a deformable air container, an open ended rigid casing therefor, means permitting air to be compressed in the container, a pivotal connection between the casing and said body and a perch rigidly mounted on the running gear and centrally connected at its upper end to said container, said parts being constructed to permit the casing to swing on the perch as a pivot when the vehicle body sways transversely.

1,467,988. HIGH-FREQUENCY SIGNALING SYSTEM. CHARLES A. HOXIE, Schenectady, N. Y., assignor to General Electric Company, a Corporation of New York. Filed Mar. 16, 1922. Serial No. 544,155. 22 Claims. (Cl. 250—8.)



1. Means for detecting high frequency signals comprising a circuit upon which signaling currents may be impressed, a light sensitive cell in said circuit, indicating means associated with said circuit, a source of light arranged to illuminate said cell, and means for periodically interrupting the illumination of said cell.

1,467,989. BEATING APPARATUS. STANLEY J. JEMBRZYCKI, Chicago, Ill., assignor to Racine Universal Motor Company, Chicago, Ill., a Corporation of Illinois. Filed May 22, 1922. Serial No. 562,616. 5 Claims. (Cl. 259—110.)



1. In beater apparatus of the class described, the combination of a container, a rotary beater structure within said container, a supporting shaft for said structure journaled in the side walls of said container and extending to the outside thereof, a gearing housing receiving the outer end of said shaft, a worm wheel locked within said housing and secured to said shaft, a worm shaft in said housing, a worm on said worm shaft meshing with said worm wheel, said housing being normally bodily rotatable, and means for coupling a driving shaft to the end of said worm shaft and for holding said housing against rotation.

Patents Nos. 1,467,990 to 1,468,618.

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Designs	28—No.	63,019 to No.	63,046, inclusive.
Patents	629—No.	1,467,990 to No.	1,468,618, inclusive.
Total	918		

Changes in the Directory of the Patent Office.

The following changes are announced:

First Assistant John A. Bartholomew was promoted to Principal Examiner on July 1, 1923, and on August 21, 1923, was placed in charge of Division X, relieving Acting Examiner O. F. Hunter.

Fee for Attorney's Certificate.

On request, a certificate of admission of an attorney to practice before this Office may be issued for a fee of $1.00, which should accompany the request or may be charged to deposit account.

ADJUDICATED PATENTS.

(C. C. A. Mass.) Hill patent, 1,005,835, for neckties, claims 1, 2, and 3 *Held* not infringed. *Slip Scarf Co.* v. *Wm. Filene's Sons Co.*, 289 Fed. Rep., 641.

(D. C. Ohio.) Baker patent, 1,095,755, for demountable tire-carrying rims, claims 1 and 9 *Held* invalid for anticipation and want of invention, and claims 2 and 6 *Held* not infringed. *Universal Rim Co.* v. *Firestone Steel Products Co.*, 289 Fed. Rep., 884.

(C. C. A. N. Y.) Hammer patent, 1,160,596, for device relating to tops of jars, claims 3, 4, 7, 8, and 9 *Held* valid and infringed. *American Metal Cap Co.* v. *Phoenix-Hermetic Co.*, 289 Fed. Rep., 788.

Interference Notices.

U. S. PATENT OFFICE, *Washington, Sept. 6, 1923.*

Seymour W. McTaggart, his assigns or legal representatives, take notice:

An interference having been declared by this Office between the applications of D. B. Smith & Company, Inc., of 414 Main Street, Utica, N. Y.; Charleston Drug Mfg. Co., of 37–39 Hayne Street and 100–102 Market Street, Charleston, S. C.; and L. Perrigo Company, of Allegan, Mich., for registration of a trade-mark and trade-mark registered Oct. 10, 1893, No. 23,704, to Seymour W. McTaggart, of 38 North Prince Street, Lancaster, Pa., and a notice of such declaration sent by registered mail to said McTaggart at the said address having been returned by the post office undeliverable, notice is hereby given that unless said McTaggart, his assigns or legal representatives, shall enter an appearance therein within thirty days from the first publication of this order the interference will be proceeded with as in case of default.

This notice will be published in the OFFICIAL GAZETTE for three consecutive weeks.

THOMAS E. ROBERTSON,
Commissioner.

U. S. PATENT OFFICE, *Washington, Aug. 23, 1923.*

Robinola Phonograph Co., its assigns or legal representatives, take notice:

An interference has been declared by this Office between the application of Charles M. Robinson, 119 East Fifth Street, Cincinnati, Ohio, for registration of a trade-mark and trade-mark registered November 23, 1920, No. 137,388, to Robinola Phonograph Co., 104 North Tenth Street, St. Louis, Mo. The notice of such declaration sent by registered mail to said Robinola Phonograph Co. on December 22, 1922, at the said address has not been returned by the post-office authorities; but the applicant has since been unable to secure service on said company. Notice is therefore hereby given that unless said Robinola Phonograph Co., its assigns or legal representatives, shall enter an appearance therein within thirty days from the first publication of this order the interference will be proceeded with as in case of default.

This notice will be published in the OFFICIAL GAZETTE for three consecutive weeks.

(Signed) KARL FENNING,
Acting Commissioner.

Condition of Applications Under Examination at Close of Business September 7, 1923.

(Total number of applications awaiting action, excluding Trade-Mark Division, 76,174; Trade-Mark Division, 3,427. Oldest new case, Oct. 13, 1922; oldest amended, Nov. 3, 1922. The dates given are 1922 except where * indicates 1923.)

Room No.	Divisions, Examiners, and subjects of inventions.	Oldest new application and oldest action by applicant awaiting office action. New.	Amended.	No. of applications awaiting action.
314	1. LOEFFLER, F. A., Closure Operators; Fences; Gates; Harrows and Diggers; Plows; Planting; Scattering Unloaders; Trees, Plants, and Flowers.	Nov. 23	Nov. 9	1,353
128	2. HADEN, C. F., Bee Culture; Dairy; Preserving; Presses; Tents, Canopies, Umbrellas, and Canes; Tobacco.	Dec. 13	Nov. 16	1,468
175	3. RICH, WM. J., Electric Heating and Rheostats; Electrochemistry; Heating; Metal Founding; Metallurgical Apparatus; Metallurgy; Metal Treatment; Plastic Metal Working.	Nov. 16	*Jan. 18	1,440
234	4. MERRITT, A. D., Conveyers, Chutes, Skids, Guides, and Ways; Conveyers, Fluid Current; Conveyers, Power Driven; Excavating; Handling—Hand and Hoist-Line Implements; Material or Article Handling; Pushing and Pulling Implements; Railway Mail Delivery; Traversing Hoists.	Nov. 11	*Feb. 28	1,649
167	5. MACNAIR, J. F., Bookmaking; Books, Strips, and Leaves; Harvesters; Jewelry; Manifolding; Music; Printed Matter; Tying Cords or Strands.	Oct. 13	Oct. 19	1,524
318	6. LEWERS, A. M., Bleaching and Dyeing; Chemicals; Chemistry—Carbon Compounds; Explosive, Pyrotechnic, and Match Compositions; Fertilizers; Liquid Coating Compositions; Medicines; Plastic Compositions; Substance Preparation.	Oct. 16	*Mar. 10	1,761
312	7. JARBOE, C. G., Games and Toys; Optics; Photography	Nov. 18	*Jan. 5	2,828
133	8. CLIFT, J. W., Beds; Chairs and Seats; Furniture; Kitchen and Table Articles; Store Furniture; Supports.	*Feb. 20	*May 4	1,778
221	9. TRYON, F. M., Air and Gas Pumps; Hydraulic Motors; Injectors and Ejectors; Motors, Fluid; Motors, Fluid Current; Pumps.	Nov. 20	*July 16	901
235	10. HUNTER, O. F. (Acting), Motor Vehicles; Land Vehicles—Animal Draft Appliances, Bodies and Tops, Dumping, Wheel Substitutes.	Dec. 2	*Jan. 19	1,488
154	11. ARMSTRONG, H. C., Boot and Shoe Making; Boots, Shoes, and Leggings; Button, Eyelet, and Rivet Setting; Harness; Hides, Skin, and Leather; Leather Manufactures; Nailing and Stapling; Whips and Whip Apparatus.	*Feb. 12	*Feb. 20	1,036
322	12. PIERCE, F. P., Machine Elements	*Jan. 5	*Jan. 29	1,495
329	13. NIXON, G. A., Bolt, Nail, Nut, Rivet, and Screw Making; Chain, Staple, and Horseshoe Making; Driven, Headed, and Screw-Threaded Fastenings; Gear Cutting, Milling, and Planing; Metal Drawing; Metal Forging and Welding; Metal Rolling; Metal Working; Needle and Pin Making; Turning.	Dec. 12	*Apr. 17	1,207
323	14. BRUMBAUGH, N. J., Compound Tools; Cutting and Punching Sheets and Bars; Farriery; Metal Bending; Metal Tools and Implements, Making; Sheet-Metal Ware, Making; Tools; Wire Fabrics and Structure; Wire Working.	Nov. 9	*July 9	1,152
308	15. REDROW, W. L., Glass; Laminated Fabric and Analogous Manufactures; Paper Making and Fiber Liberation; Plastic Block and Earthenware Apparatus; Plastics.	Nov. 7	Dec. 15	2,166
112	16. BACKUS, C. D., Radiant Energy; Telegraphy; Telephony	Nov. 14	Nov. 6	2,646
307	17. RAFTER, G. S., Coating, Label Pasting, and Paper Hanging; Nut and Bolt Locks; Ornamentation; Paper Manufactures; Printing; Type Casting; Sheet-Material Association or Folding; Sheet or Web Feeding or Delivering; Type Setting.	Nov. 9	*Mar. 6	1,601
229	18. PORTER, M. E., Liquid Heaters and Vaporizers; Motors, Expansible-Chamber Type; Power Plants; Speed-Responsive Devices.	Nov. 8	Nov. 10	2,083
236	19. GLASCOCK, E. S., Automatic Temperature and Humidity Regulation; Furnaces; Heating Systems; Stoves and Furnaces; Thermostats and Humidostats.	*Apr. 19	*May 25	670
179	20. WRIGHT, H., Artificial Body Members; Miscellaneous Hardware; Closure Fasteners; Cutlery; Dentistry; Locks and Latches; Safes; Undertaking.	*Jan. 15	*Jan. 11	1,660
212	21. THURBER, W. L., Winding and Reeling; Textiles—Braiding, Netting, or Lace Making, Cloth Finishing, Fiber Preparation, Knitting, Spinning, Twisting or Twining, Weaving.	Nov. 18	*Apr. 20	1,061
249	22. COLWELL, J. H., Aeronautics; Firearms; Ordnance; Ammunition and Explosive Devices; Ammunition and Explosive-Charge Making; Air Guns, Catapults, and Targets; Boats and Buoys; Ships; Marine Propulsion.	Dec. 6	*Feb. 5	653
217	23. GROESBECK, W. D., Acoustics; Coin Handling; Recorders; Registers; Sound Recording and Reproducing.	Oct. 18	Nov. 18	860
144	24. DURAS, C. O., Apparel; Apparel Apparatus; Garment Supporters; Sewing Machines	Nov. 17	*Feb. 8	1,403
315	25. LIGHTFOOT, J. H., Agitating; Butchering; Centrifugal-Bowl Separators; Mills; Threshing; Vegetable and Meat Cutters and Comminutors; Gas Separation.	*Mar. 8	*Feb. 5	1,031
105	26. HODGES, J. S., Electricity, Generation; Motive Power; Prime-Mover Dynamo Plants	Nov. 24	Nov. 16	1,026
214	27. ANDERSON, L. S., Brush, Broom, and Mop Making; Brushing, Scrubbing, and General Cleaning; Laundry; Washing Apparatus.	Dec. 1	Dec. 20	1,578
225	28. BENSON, A. R., Internal-Combustion Engines	*Jan. 19	*Jan. 26	1,435
147	29. MORRIS, B. N., Abrading; Boring and Drilling; Button Making; Chucks or Sockets; Coopering; Tool-Handle Fastenings; Wheelwright Machines; Wood Sawing; Wood Turning; Woodworking; Woodworking Tools.	Nov. 14	*Jan. 24	1,402
152	30. SULLIVAN, M. R., Illuminating Burners; Illumination; Liquid and Gaseous Fuel Burners; Typewriting Machines.	*Jan. 4	*May 2	1,893
172	31. HOLMES, W. N., Alcohol; Ammonia, Water, and Wood Distillation; Charcoal and Coke; Gas, Heating and Illuminating; Hydraulic Cement and Lime; Mineral Oils; Oils, Fats, and Glue; Sugar, Starch, and Carbohydrates; Concentrating Evaporators.	Nov. 16	Nov. 15	1,653
278	32. BANCROFT, J. F., Gas and Liquid Contact Apparatus; Heat Exchange	Nov. 20	Nov. 18	1,399
70	33. WYMAN, W. I., Bridges; Hydraulic and Earth Engineering; Masonry and Concrete Structures; Metallic Building Structures; Roads and Pavements; Roofs; Rod Joints or Couplings; Pipe Joints or Couplings; Valved Pipe Joints or Couplings.	Dec. 11	Nov. 18	1,737
304	34. SIMPSON, G. R., Electricity-Transmission to Vehicles; Pneumatic Dispatch; Railways; Railway Rolling Stock; Railway Switches and Signals; Railways, Surface Track; Railway Wheels and Axles; Store Service; Track Sanders; Vehicle Fenders.	*Jan. 23	*Mar. 5	855
52	35. REYNOLDS, E. C., Buckles, Buttons, Clasps, Etc.; Card, Picture, and Sign Exhibiting; Signals and Indicators; Toilet.	*Feb. 21	*Apr. 27	1,034
265	36. MORTON, G. L., Automatic Weighers; Driers; Geometrical Instruments; Measuring Instruments; Force Measuring.	*Feb. 10	*Jan. 19	2,071
107	37. TAYLOR, E. C., Electricity, Circuit Makers and Breakers	Nov. 18	Nov. 24	1,950
378	38. IDE, G. B., Animal Husbandry; Earth Boring; Fishing, Trapping, and Vermin Destroying; Mining, Quarrying, and Ice Harvesting; Stationery; Stoneworking; Wells.	Nov. 15	Nov. 13	2,027
220	39. COWLES, A. W., Fluid-Pressure Regulators; Multiple Valves; Valves; Water Distribution	Nov. 13	Nov. 8	1,422
269	40. OBERLIN, J. J., Baggage; Bottles and Jars; Cloth, Leather, and Rubber Receptacles; Deposit and Collection Receptacles; Metallic Receptacles; Package and Article Carriers; Paper Receptacles; Special Receptacles and Packages; Wooden Receptacles.	Nov. 11	*Apr. 27	2,229
125	41. BROWN, J. I., Land Vehicles, Wheels and Axles; Resilient Tires and Wheels	*Jan. 17	*Mar. 2	982
114	42. CUTTING, H. O., Electrical Conduits and Housings; Electric Signaling; Electric Lamps	Nov. 11	Dec. 2	1,770
382	43. HOPKINS, F. M., Baths and Closets; Electricity, Medical and Surgical; Fire Extinguishers; Sewerage; Surgery; Liquid Separation or Purification.	Nov. 18	Nov. 18	1,872
253	44. SHAFFER, C. H., Bread, Pastry, and Confection Making; Dispensing; Dispensing Beverages; Filling and Closing Portable Receptacles; Railway Draft Appliances; Refrigeration.	Dec. 7	*Mar. 19	1,207
379	45. GILES, A. H., Journal Boxes, Pulleys, and Shafting; Lubrication; Motors; Spring Devices	Dec. 30	Dec. 1	1,655
332	46. WOLCOTT, C. L., Curtains, Shades, and Screens; Educational Appliances; Fire Escapes; Ladders; Fluid Sprinkling, Spraying, and Diffusing; Paper Files and Binders; Wooden Buildings; Scaffolds.	*Jan. 2	*Jan. 8	1,576
264	47. BARKER, H., Brakes; Clutches and Power Stop Control; Elevators; Fluid-Pressure Brake and Analogous Systems; Horology; Time-Controlling Mechanism.	Nov. 29	*Mar. 10	1,226
118	48. ROEPKE, O. B., Electricity Conductors; Electricity, General Applications	Nov. 8	Nov. 3	2,418
383	49. EDINBURG, F. P., Check-Controlled Apparatus; Domestic Cooking Vessels; Fuel and Igniting Devices; Joint Packings; Packed Shaft or Rod Joints; Pneumatics; Velocipedes.	Dec. 12	Dec. 19	626
102	DESIGNS: C. O. MARKHAM (Acting)	*Feb. 12	*Mar 9	2,217
163	TRADE-MARKS, LABELS AND PRINTS: T. L. MEAD, JR.	*May 25	*July 31	3,339
	Trade-Marks	*Aug. 24	*Aug. 31	88
	Labels and Prints			

DECISIONS IN PATENT AND TRADE-MARK CASES.

Court of Appeals of the District of Columbia.

MARSH CAPRON MFG. CO., ETC., *v.* BATES MACHINE & TRACTOR COMPANY.

No. 1,569. Decided May 7, 1923.

1. TRADE-MARKS—SAME DESCRIPTIVE PROPERTIES—OPPOSER'S RIGHT TO EXTEND BUSINESS.

Opposer's tractor of the crawler type, used principally in agricultural work, but also used about excavating work and on roads, and frequently mounted on wheels, and applicant's tractor of the wheel type, used on hard surfaces in and about manufacturing plants and railroad depots, are of the same descriptive properties, and opposer may legitimately extend his business to the manufacture of light wheel tractors.

2. SAME—"THE SHOP MULE" AND "STEEL MULE"—DECEPTIVE SIMILARITY.

The marks "The Shop Mule" and "Steel Mule" are deceptively similar.

Mr. A. M. Belfield, Mr. J. H. Milans, and *Mr. C. T. Milans* for Marsh Capron Mfg. Co.

Mr. S. W. Banning and *Mr. Ephraim Banning* for Bates Machine & Tractor Co.

Before SMYTH, Chief Justice, and ROBB and VAN ORSDEL, Associate Justices.

VAN ORSDEL, *J.:*

This is a trade-mark opposition brought under section 6 of the Trade-Mark Act of February 20, 1905. It involves the right of appellant to register the words "The Shop Mule" as a trade-mark for tractors.

From the decision of the Commissioner of Patents sustaining the opposition, this appeal was taken.

It appears that appellee, opposer, had continuously used, since long prior to any date claimed by applicant, the words "Steel Mule" as a trade-mark for tractors. Prior use by opposer is conceded by the applicant, but it is contended that the goods have not the same descriptive properties. Opposer's tractor is of the crawler type, used principally in agricultural work, while that of applicant is of the wheel type, and is used on hard surfaces in and about manufacturing plants and railroad depots.

It appears, however, that while opposer specializes in tractors of the crawler type, they are not used exclusively in agricultural work but about excavating work and on the roads. It further appears that they are frequently mounted on wheels, and that opposer manufactures steel tractors for use on soft surfaces.

[1, 2] We agree with the Commissioner that the marks are deceptively similar, and that the goods have the same descriptive properties. It follows that inasmuch as opposer may legitimately extend his business to the manufacture of light wheel tractors, on which he would be entitled to use his mark, there is no theory upon which the contentions of applicant can be sustained.

The decision of the Commissioner is affirmed.

U. S. Circuit Court of Appeals—Second Circuit.

WHITING MFG. CO. *v.* ALVIN SILVER CO., INC.

Decided May 8, 1922.

[283 Fed. Rep., 75.]

1. PATENTS—TEST OF INVENTION FOR DESIGN PATENTS SAME AS FOR MECHANICAL PATENTS.

The test of invention for design patents is the same as for mechanical patents, and invention depends on the state of the art and the room left for invention when the application was filed.

2. SAME—CLAIM FOR IMPROVEMENT OF DESIGNS STRICTLY CONSTRUED.

The rule that claims for improvements in arts already understood must be strictly construed applies to designs as well as mechanical devices.

3. SAME—GRANT CONSISTS ONLY OF THAT DESCRIBED AND CLAIMED.

A patentee's grant of privilege consists only in that which is both described and claimed.

4. SAME—DRAWINGS OF DESIGN PATENT DO NOT CONTROL SPECIFICATIONS.

The rule that the drawings assist the specification, but do not control, applies to designs, even when the specifications consist largely of references to the design drawings.

5. SAME—DESIGN 54,452 NOT INFRINGED BY DESIGN USING SIMILAR ORNAMENTATION, BUT DIFFERENT OUTLINE.

The Reimherr design patent, No. 54,452, for a design for handle for spoon, fork, or similar article, "as shown," *Held* to cover not only the ornamentation, but also the configuration or outline, and, as so construed, not infringed by a design using a somewhat similar scheme of ornamentation, but a different contour or outline.

6. SAME—APPEARANCE OF DESIGN MAY RESULT FROM CONFIGURATION, ORNAMENTATION, OR BOTH.

Appearance, which is the essential consideration in designs, may result from peculiarity of configuration, or of ornament alone, or of both conjointly.

7. SAME—CONSTRUED TO UPHOLD, AND NOT TO DESTROY.

A design patent should be construed so as to uphold, and not destroy.

8. SAME—INFRINGEMENT REQUIRES APPROPRIATION OF NOVEL ELEMENTS OF PATENTED DESIGN.

It is essential to infringement of a design patent that there be an appropriation of the novel elements of the patented design.

9. SAME—IMPRESSION CREATED BY DESIGN MUST BE DERIVED FROM THING PATENTED, AND NOT BY SELECTING A PART.

As respects infringement, the new impression created by a patentable design must be derived from the thing patented, and not by an observer selecting a part of the thing patented, and so highly approving thereof that he finds the design in anything that contains the part so approved.

APPEAL from the District Court of the United States for the Southern District of New York.

Suit by the Whiting Manufacturing Company against the Alvin Silver Company, Inc. From a decree for plaintiff, defendant appeals. Reversed and remanded, with directions.

STATEMENT OF THE CASE.

Both plaintiff and defendant are silversmiths, and plaintiff sues as the owner of the Reimherr design patent, 54,452, issued February 10, 1920.

This patent is for a "design for a handle for a spoon, fork or similar article," and the application specifies only by reference "to the accompanying drawing." That drawing displays as one figure "the obverse face of a spoon embodying my new design," and in another "view of the tip of the handle" on a larger scale. The drawing of the said tip is here reproduced:



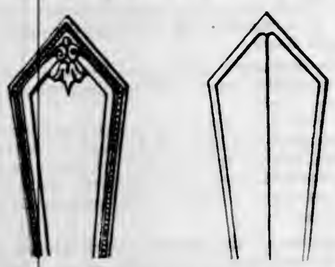
The rest of the handle is familiarly conventional in shape, but the style of ornamentation by paneling, beveling, and ornamental bands is substantially continued throughout the handle length.

Another figure of the drawing gives a "view of the reverse face" of the handle, and is here also reproduced:



Silver flat ware of this style, to which the plaintiff gave the trade-name "King Albert," has been put on the market and attained admitted commercial success, and the design patent therefor, in which the sole claim is "the ornamental design for a handle for a spoon, fork or similar article as shown," is said to be infringed by the flat ware of defendant, marketed under the trade name "Richmond," and fairly represented in the design patent of Gordon, No. 59,347.

This patent is drawn in similar style, viz, by merely referring in the specification to a drawing which displays the obverse and reverse of defendant's alleged infringing articles, as follows:



The defense is noninfringement of plaintiff's design as properly limited and construed. The lower court found infringement, and from decree accordingly defendant took this appeal.

The following is the opinion of Learned Hand, district judge, in the court below:

The validity of the patent has not been challenged, and wisely, because it is apparent by a glance at the prior art that if the design be taken as a whole—i. e., outline and decoration—there is nothing which comes near it. That it is valid is therefore beyond doubt. But what is the patented design? Certainly not the decoration alone, or the outline alone. The patent, under all the books, must be taken as a unity, and only that infringes it which imitates that unity. (*Gorham* v. *White*, 14 Wall., 511; 20 L. Ed., 731; *Ashley* v. *Tatum*, 186 Fed., 339; 108 C. C. A., 539; 172 O. G., 262; *Borgfeldt* v. *Weiss*, C. C. A., 265 Fed., 268; 278 O. G., 545; *Wilson* v. *Haber*, C. C. A., 275 Fed., 346; 294 O. G., 231; *Zidell* v. *Dexter*, C. C. A., 262 Fed., 145; *Ashley* v. *Weeks-Numan Co.*, 220 Fed., 899; 136 C. C. A., 465.)

This being true, the real question at issue is whether the defendant has adopted the design so taken as a unity. The cases cited have uniformly followed the rule first laid down in *Gorham* v. *White*, supra, which is this: Some departures from the design the patent covers, but they must be small. They are to be ascertained, not by comparing the design with the infringement, side by side, to see whether they are then distinguishable, either by experts or laymen. The test is whether there is a substantial number of the common run of buyers who, having seen the design, will carry it inexactly enough in their minds to buy the infringement without any conscious choice between the two. So much latitude the patent has in application. Now, it is clear that any such test depends altogether upon the relative emphasis of the different features of the design in the more or less inaccurate memory of those who have once seen and liked it. One man will be impressed with the decoration; another, with the outline; a third, only with the combination of both. And since our memories are entirely the creatures of our interest, what each will carry away depends inevitably upon what has struck his fancy.

For myself, I feel reasonably sure that I should never have made any mistake between the two. While the defendant's decoration is substantially an exact copy of the design, it is laid upon a spoon end, which chances not to be to my liking, which indeed, seems to me ugly, while the whole design happens to please me. I think this difference would have prevented any confusion in my mind. However, it is extremely hard now, after so much study of the two side by side, to get any just idea of what one would have remembered of the design, had one seen that alone, and then only once. Any conclusion on that score is of the most questionable validity. Besides, a judge is not justified, unless he is forced to do so, to assume that his own judgment is a proper measure of other people's; but he should have recourse to the opinions of such witnesses as by their experience know the habits of buyers in general. The judgment of these alone is of any consequence, when the issue is of the future conduct of the buying public. That was certainly the attitude of the Supreme Court in *Gorham* v. *White*, supra, in which the absence of any answer to the plaintiff's evidence that ordinary observers would be confused was made the very turning point of the decision.

In the case at bar there were called only five witnesses, all told, who had any actual experience in selling silverware to the public—Brogan, Jackson, and White for the plaintiff, and Nash and McCarron for the defendant. Brogan and Jackson thought that confusion would arise in the minds of those who did not have the two before them, and Nash and McCarron thought not. Each was well qualified to speak from his or her experience. White in his direct examination was not examined on the issue at all; all he said about it was upon cross-examination. He thought that a person not having both spoons before him would be mistaken, unless he owned one and had got used to it on his table. As a casual observer comes within the scope of the rule, I think that White must count with the plaintiff. His own refusal to carry the plaintiff's pattern was based upon its similarity with the defendant's, itself a circumstance of some moment.

So far as I could see, there was nothing in the appearance of these witnesses to help one to distinguish between them on the score either of credibility or competence, and I should not wish to decide such a case upon a merely numerical preponderance of witnesses. The disagreement between them may, however, have arisen only because they were thinking of different kinds of customers. They were faced with an abstraction, necessarily, no doubt, but still an abstraction; i. e. a normal customer. Now, each one of them constructed his answering conception—depended probably in part anyway on reasons of which he was not thoroughly aware himself. It appears to me to be a mistake to assume that any of them inevitably fused in his mind customers of all kinds, or that they would necessarily have disagreed, if they could have done what is probably in any case an impossibility. The important point is that some of them thought that at least a substantial number of customers would in practice confuse the designs, and that these seemed to them not persons of exceptional carelessness. The answer of those who said "Yes" seems to me inherently better than of those who said "No," when the inquiry, as here, does not involve the majority of all customers, but only whether there are numerous persons, not noticeably careless, who would make the required mistake.

There is another circumstance which somewhat corroborates this conclusion. The decoration is new; the outline old, exactly illustrated at least once before, and approached more than once. It is natural that a new element should catch the attention and remain in the memory of those observers at least to whom it appears as new. What has interested them would be likely to absorb and exclude what has not. If so, the decoration which has predominated in their fancy will be likely to control their decision to buy, rather than the outline.

The case is indeed a close one, and my past experience has taught me an extreme diffidence of my own judgment in this branch of the law; but upon the whole the balance seems to me to lean a little towards the plaintiff. The patent is highly meritorious, and the distinctively new feature of it has been frankly imitated, no doubt in good faith, if by good faith one means that the defendant was satisfied of its rights. Still I see no reason why a court should be oversolicitous to protect an imitator in such a case. No doubt the plaintiff has always the burden, but when the most original part of the design has confessedly been taken, and it is open at best to grave doubt whether that is not the element which will stick in people's minds, there is no reason to press too hardly upon the sufficiency of the proof that the less striking feature will not always serve to distinguish the two.

I may add that the tendency in this circuit, so far as I am able to form an opinion, has been to moderate the severity of the test of infringement in practical application. The strictest case was *Ashley* v. *Tatum*, supra; certainly *Borgfeldt* v. *Weiss*, supra, was more lenient to the patent. It is at least likely that a large number of buyers in the latter case must have noted the absence of so prominent an element as the bathing cap with its huge ears. Any confusion in that case presupposed an observer whose attention had been so attracted by the new and striking grotesqueness of the figure as to disregard an element quite as noticeable as the outline of the spoons in the case at bar. Not quite so much can be said of *Ashley* v. *Weeks-Numan*, supra, a case in which there was also no claim, though there was a verbal description; still the distinguishing features were very apparent, if the patent and the infringement were put side by side. While the rule of validity in design patents has laterally been more strictly applied, yet when a design of high merit is presented, the later disposition seems not to have been to allow its value to be lost by narrow construction.

Judge A. N. Hand's refusal to grant a preliminary injunction was not, it is true, by way of compromise, nor was it the condition of an early trial. Yet it must be a very clear case which could authorize a judge to grant such a motion, and it was natural that when the evidence of infringement was in dispute he should have been unwilling to solve it in the plaintiff's favor. If the test was the impression which the two designs make upon the judge alone, the decision of such a motion might indeed be conclusive, and, as I have said I should myself decide for the defendant; but, if it is not that, it is hard to see how on such a record any one could grant a preliminary injunction.

Decree for the plaintiff for injunction and accounting before William Parkin, Esq.

Mr. Charles Neave and *Mr. William G. McKnight* for appellant.

Messrs. Mock & Blum (*Mr. Livingston Gifford*, *Mr. Robert C. Beatty*, and *Mr. Hugo Mock* of counsel) for appellee.

Before ROGERS, HOUGH, and MANTON, Circuit Judges.

HOUGH, *Cir. J.*:

[1-4] The test of invention for design patents is the same as for mechanical patents. (*Strauss, etc., Co.* v. *Crane*, 235 Fed., 126, 131; 148 C. C. A., 620.) Consequently the state of the art and the room left for invention when application filed must be considered in respect of both. Claims for improvements in arts already understood must be strictly construed (*American, etc., Co.* v. *Parlograph Corp.*, 235 Fed., 137; 148 C. C. A., 631); and this is as applicable to designs as to mechanical devices. A patentee's grant of privilege consists only in that which is both described and claimed, while drawings assist the specification, but do not control. (*Fulton Co.* v. *Powers Co.*, C. C. A., 263 Fed., 578.) This also applies to designs, even when (as is nowadays customary) the specification consists largely of references to the design drawings. It is therefore just as essential, in respect of a design patent, to discover exactly what the patentee invented as it is to do the same thing in respect of machines, processes, etc.

But, of course, the substance of any design patent depends upon the nature of designs, as that word is used in patent law. In *Dominick* v. *Wallace* (209 Fed., 223; 126 C. C. A., 317) this court, quoting from *Gorham* v. *White* (14 Wall., 511; 20 L. Ed., 731), declared:

It is the appearance itself * * * that constitutes mainly, if not entirely, the contribution to the public [by any design] which the law deems worthy of recompense. The appearance may be the result of peculiarity of configuration, or of ornament alone, or of both conjointly; but, in whatever way produced, it is the new thing, or product, which the patent law regards.

[5] We must, then, first ascertain exactly what is covered by the patent in suit, and here plaintiff contends that it covers nothing but the surface ornamentation, while defendant asserts that the claim covers, and the specification discloses, not only that ornamentation, but also the configuration or outline, substantially "as shown."

On this point we hold with defendant, and such holding is induced by considering that the design is described as specifically for a "handle for a spoon" or similar article, but always for a handle, although the style of ornamentation applied thereto might be and has been used in respect of other ornamented metal objects. Again, there is displayed and described, not only the ornamented obverse of a handle, but a "view of the reverse face," which fact is proof positive of the patentee's thought that the simple form of the reverse was just as much a part of his design as the highly ornamental obverse. Further to speak of the reverse and obverse of a design is absurd; the patentee is plainly talking of a handle.

[6] Finally, the eye notices and the testimony shows that the ornamenting of both obverse and reverse is designed and apportioned to the peculiar and characteristic shape of the handle tip, which (ut supra) is specifically shown as a part of the patented ornamental design. Thus, remembering that appearance is the essential consideration in designs, and that such appearance may result from "peculiarity of configuration, or of ornament alone, or of both conjointly," we are of opinion that this patent is for a design which depends for its appearance—for its effect on the eye—upon configuration and ornamentation conjointly.

Argument is submitted for appellant that this result necessarily flows from the nature of the Patent Office proceedings; in that patentee did not (as he could have done) separate his ornamental arrangement of bevels, panels, and beadings from any particular form or configuration, and patent that kind of ornamentation; and this he did not in terms do. Therefore, since he did not formally establish a separation in his claim, he must be deemed to have patented all that is exhibited in the drawing, viz, the ornamented handle in its entirety.

But we reach the same conclusion, without expressing any opinion as to the effect of the Patent Office procedure. The matter is mentioned in *Royce* v. *Blodgett* (112 Fed. 61; 50 C. C. A., 120; 98 O. G., 1286), and again in *Ashley* v. *Tatum* (186 Fed., 339; 108 C. C. A., 539; 172 O. G., 262); and we still think the Office practice in respect of design patents "not only liberal, but lax." That, however, is the affair of the Office and not of this court; this patent was taken out in accordance with current practice, and we decline to impute to mere conformity with Office usage, a technical significance, not imposed by statute.

Our arrival at defendant's result is, as above shown, a holding that plaintiff must stand on his patent as issued; its meaning, intended significance, and asserted scope must be primarily learned from the four corners of the document as it stands, and to us the instrument means that the patentee designed and patented the ornamental part of a handle suitable for many more special uses, and that ornamental part has itself two parts, contour and surface pattern.

[7] A further reason for so reading the patent is that, like all other patents it should be construed so as to uphold, and not destroy. The art of silverware ornamentation is very old; so are the bevels, panels, and beading here shown; and on this record they have been used conjointly in such a multitude of arrangements as to render more than doubtful the possibility of validly patenting the ornamentation as such, and claiming protection thereunder, no matter whether similar ornamentation was used on a tablespoon or an architectural frieze.

But when this particular style of ornament, following in configuration the peculiar shape of a special handle, was patented (as we believe was done by Reimherr), then novelty, utility, and æsthetic or artistic quality are all admitted, and the usual exhaustive record of the prior art before us shows nothing to controvert the assertion that no one before this patentee produced a handle like this, both as to ornamentation and contour or configuration.

[8] The rule as to design infringement has again been discussed at length. We remain of opinion that from *Kruttschnitt* v. *Simmons* (C. C. 118 Fed., 851, affirmed 122 Fed., 1020; 58 C. C. A., 111), through *Ashley* v. *Tatum* (186 Fed., 339; 108 C. C. A., 539), to *Wilson* v. *Haber* (C. C. A., 275 Fed., 346; 294 O. G., 231), "the fundamental law of infringement" has not been departed from, viz, that to infringe "there must be an appropriation of the novel elements of the patented design." There are often differences of opinion as to what constitutes the novel elements referred to; it being always admitted that a "Chinese copy" is never necessary. (*Graff* v. *Webster*, 195 Fed., 522; 115 C. C. A., 432.) But equally it is necessary that the novel elements appropriated must constitute the substance of that patented design.

[9] A patentable design "creates a new impression upon the eye" (Graff case, supra); but that impression must be derived from the thing patented, and not by an observer selecting a part of the thing patented, and so highly approving thereof, that he finds the design in anything that contains the part he thus approves. This is really the method of plaintiff, and is frankly exhibited by its witnesses. One said (on comparing the commercial product of the parties):

> You notice that the entity of effect, so far as design is concerned, is identical in both. It is merely applied, in my judgment, to a different shape in the defendant's article.

Another, when asked whether defendant's spoon was "substantially the same design" as plaintiff's, replied:

> Exactly the same as far as the decorative effect is concerned.

And still another, being asked to consider especially defendant's spoon, remarked:

> Of course, we do not have to go into the shape of the spoon at all. That is the last. The ornamentation is what sells the teaspoon, never the shape.

One leading witness, when cross-examined regarding his expressed opinion on the decoration of the spoons, said that he referred to that "on the face of the handle of the spoons," and continued:

> Of course, the back is not decorated; it is simply a structure.
> Q. You do not find any pattern or design on the back? A. No; structure.

This is in effect confining the patented design to the ornamentation of the obverse, and denying to the reverse or configuration of the ornament any part in the same. On the other hand, defendant's witnesses agreed (as one of them said) concerning the two compared products:

> I think really the principal noticeable difference is the tip of the handle.
> Q. And you consider that tip an important and impressive feature of the design? A. I do.

Thus was inquiry made below as to what was the design or thing patented. We resolve the question by considering the application and drawing, but incline to the opinion that by the balance of evidence it was shown in trade opinion that such designs as are exhibited by both parties hereto include the shape, contour, or configuration of the ornamentation, or thing ornamented.

Undoubtedly the rule of *Gorham* v. *White*, supra, is to be followed, and if in the eyes of an ordinary observer, giving such attention as a purchaser usually gives, two designs are substantially the same, the one first patented is infringed by the other. But it was found below, and we do not think it here controverted, that if plaintiff's patented design includes, not only ornamentation, but configuration or contour, no observer could be deceived.

Plaintiff's case rests upon the dissection of the patented design according to some trade surgery; i. e., upon the assertion (ut supra) that it is the ornament that sells the spoon—hence the contour of the alleged infringement, however unlike, is to be disregarded. But a suit on a design patent is not an action for unfair competition, nor for infringement of a trade-mark; it can only succeed when the design as patented has been substantially appropriated, and that has not been done in the present instance.

We have treated this record as if defendant's beading, etc., were slavish imitations or "Chinese copies" of plaintiff's. This is not true; but it is true that, if a trained eye utterly disassociates the scheme of ornamentation from the contour of the same, or from the shape of the handle, they are very much alike. But the most ordinary purchaser, exercising that inconsiderable amount of care which is also called ordinary, could never mistake defendant's design for plaintiff's, if the latter's patent covers and is valid for a combination of ornament and shape "as shown," and we hold that to be the case.

Decree reversed, with costs, and cause remanded, with directions to dismiss the bill.

ROGERS, *Cir. J.*:

I dissent. The validity of the patent was not challenged in the court below. It was not challenged because, as that court said, it is apparent by a glance at the prior art there is nothing which comes near it, and it was pronounced valid beyond doubt. That being the case, the sole question in this court is whether the defendant has infringed the complainant's patent, and I think the court below correctly found that it did.

The leading case on design patents is that of *Gorham Co.* v. *White* (14 Wall., 511; 20 L. Ed., 731), decided in 1871, when the rule was laid down as follows:

> We hold, therefore, that if, in the eye of an ordinary observer, giving such attention as a purchaser usually gives, two designs are substantially the same, if the resemblance is such as to deceive such an observer, inducing him to purchase one, supposing it to be the other, the first one patented is infringed by the other.

In that case there were differences between the plaintiff's design and those of the defendant's in details of ornament, but they were the same in general appearance and effect, and so much alike that in the market and with purchasers they would pass for the same thing. The Supreme Court reversed the court below and held the patent infringed. The court said:

> Unless, therefore, the patent is to receive such a construction that the act of Congress will afford no protection to a designer against imitations of his invention, we must hold that the sale by the defendant of spoons and forks bearing the designs patented to White in 1867 and 1868 is an infringement of the complainants' rights.

In my opinion the identity of design is much closer in the case now before us than that which existed between the patterns involved in *Gorham Co.* v. *White*. The following excerpt is from the testimony of a salesman, buyer, and manager of 24 years' experience of one of the leading silverware houses in the country:

> Q. From your experience in selling silverware, would, in your opinion, customers, who came to purchase silver to match the plaintiff's design, if shown the defendant's design, believe that it was a similar design to the plaintiff's? A. Yes, sir.
> Q. And they would purchase articles to match the plaintiff's design of the other company's production? A. Yes, sir; that would be liable to happen frequently.

There is other testimony in the record of similar import, and my own inspection of the silverware which was produced upon the argument in this court convinced me that the resemblance between the two designs was such as to deceive the ordinary observer, within the rule laid down in *Gorham Co.* v. *White*, supra. I therefore think the decree should be affirmed.

PATENT SUITS.

[Notices under section 4921, Revised Statutes, as amended February 18, 1922.]

793,249, L. M. Todd, Printing apparatus, suit filed Oct. 26, 1921, D. C., S. D. N. Y., Doc. E 22/224, *Todd Protectograph Co.* v. *Safe Guard Check Writer*. Decree adjudging infringement and granting injunction restraining defendant filed July 18, 1923.

836,531. (See 877,451.)

839,413, H. C. Odenkirk, Switch stand and connection therefor; 1,007,380, same, Railway-switch stands, bill dismissed at plaintiff's costs May 21, 1923, D. C., N. D. Ohio (E. D.), *H. C. Odenkirk* v. *The Cleveland Railway Supply Co.*

875,440, W. S. Lamson, Safety tread for steps, suit filed July 20, 1923, D. C., S. D. N. Y., Doc. E 27/33, *American Mason Safety Tread Co.* v. *Safety Stair Tread Co.*

877,451, 836,531, G. W. Pickard, Means for receiving intelligence communicated by electric waves; 904,222, same, Oscillation-detecting means for receiving intelligence communicated by electric waves, suit filed July 8, 1923, D. C., S. D. N. Y., Doc. E 27/31, *Wireless Specialty Apparatus Co.* v. *F. W. Woolworth Co.*

904,222. (See 877,451 and Re. 13,798.)

919,879, H. C. Karr, Watch-holding clock case, suit filed July 20, 1923, D. C., S. D. N. Y., Doc. E 27/35, *The Keystone Watch Case Co.* v. *Aisinstein-Woronock & Sons, Inc.*

933,263. (See Re. 13,798.)

941,541, P. J. Simmen, Cab signal circuits; 1,150,308, same, Mechanism or apparatus for controlling, retarding, and arresting the motion of engines or vehicles when traveling, suits filed July 31, 1923, D. C., S. D. N. Y., Doc. E 27/64, *Simmen Automatic Railway Signal Co.* v. *The Regan Safety Devices Co., Inc.* Same, Doc. E 27/65, *Simmen Automatic Railway Signal Co.* v. *Spraque Safety Control & Signal Corp.*

986,532, J. T. Wolfe, Windproof umbrella, suit filed July 10, 1923, D. C., S. D. N. Y., Doc. E 27/17, *Miller Bros. & Co.* v. *Hulse Bros. & Daniel Co.*

1,007,380. (See 839,413.)

1,029,541, L. A. Haustetter, Dishwashing machine, suit filed July 26, 1923, D. C., S. D. N. Y., Doc. E 27/46, *Victor Special Machine Co.* v. *L. Barth & Son, Inc.*

1,104,065. (See Re. 13,798.)

1,104,073. (See Re. 13,798.)

1,113,149, E. H. Armstrong, Wireless receiving system, decree adjudging infringement and granting injunction restraining defendant filed July 27, 1923, D. C., S. D. N. Y., *Westinghouse Electric Mfg. Co.* v. *Cutting & Washington Radio Corp.*

1,137,714. (See Re. 13,798.)

1,150,308. (See 941,541.)

1,153,481, 1,153,482, R. S. Bryant, Vehicle wheel with demountable rim, bill dismissed at plaintiff's costs Mar. 21, 1923, D. C., N. D. Ohio (E. D.), *The Standard Parts Co. et al.* v. *The Cleveland Welding & Mfg. Co.*

1,153,482. (See 1,153,481.)

1,162,864, C. J. Klein, Electric switches, suit filed Mar. 10, 1921, D. C., S. D. N. Y., Doc. E 21/12, *The Cutler Hammer Mfg. Co.* v. *Beaver Machine & Tool Co., Inc.* Final decree adjudging infringement and granting injunction restraining defendant filed July 18, 1923.

1,225,852. (See Re. 13,798.)

1,373,909, F. T. Powers, Coolers for photomechanical printing plates, suit filed Aug. 3, 1923, D. C., S. D. N. Y., Doc. E 27/69, *F. T. Powers* v. *Empire State Engraving Co. et al.*

1,409,908, H. F. Affelder, Gumming device, suit filed in D. C., N. D. Ohio (E. D.), Doc. 957, *H. Affelder* v. *The Standard Envelope Mfg. Co.*

1,410,510, H. R. Roberts, Coin-controlled mechanism, bill dismissed without prejudice May 15, 1923, D. C., N. D. Ohio (E. D.), *The Strongheart Co.* v. *The Coin Clock Service Co.*

1,421,045, H. L. Wadsworth, Process for recording sound records; 1,444,960, V. H. Emerson, Record for talking machines and method of making the same, consent and order of discontinuance without costs filed July 23, 1923, D. C., S. D. N. Y., *Metal Recording Disc Co., Inc.*, v. *Plaza Music Co. et al.*

1,421,237, C. J. Hug, Subgrading machine, case dismissed at plaintiff's costs May 17, 1923, D. C., N. D. Ohio (E. D.), *C. Hug* v. *Great Lakes Engineering Co.*

1,433,446, Burns & Keiller, Automatic draft controller, suit filed July 24, 1923, D. C., S. D. N. Y., Doc. E 27/38, *Thermogen Equipment Co., Inc.* v. *Kimball Electric Control Corp. et al.*

1,438,440, H. F. Jackson, Advertising devices, consent decree, damages for past infringement, and perpetual injunction, D. C., W. D. Mich. (S. D.), *L. R. Conwell* v. *The Beckwith Co.*

1,444,960. (See 1,421,045.)

1,448,104, S. J. Aumiller, Paper envelope, suit filed July 9, 1923, D. C., E. D. N. Y., Doc. 1286, *Levin, Gessford Handy* v. *Service Bag Co., Inc.*

Re. 13,798, G. W. Pickard, Means for receiving intelligence communicated by electric waves; 904,222, same, Oscillation-detecting means for receiving intelligence communicated by electric waves; 933,263, same, Oscillation devices; 1,104,073, same, Detectors for wireless telegraphy and telephony; 1,137,714, same, Solid rectifier for feeble electric currents; 1,225,852, same, Rectifiers; 1,104,065, B. J. Miessner, Detectors for wireless apparatus, suit filed July 25, 1923, D. C., E. D. N. Y., Doc. 1300, *Wireless Specialty Apparatus Co.* v. *S. S. Kresge Five & Ten Cent Store.*

Re. 14,049, J. G. Tufford, Resilient heel, Feb. 3, 1923, final decree adjudging noninfringement with costs to defendant, case appealed to U. S. C. C. of Appeals, 1st Cir., D. C., D. Mass., *The I. T. S. Rubber Co.* v. *Essex Rubber Co.*

TRADE-MARKS

OFFICIAL GAZETTE, SEPTEMBER 18, 1923.

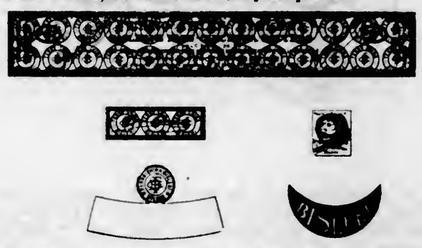
[VOL. 314. No. 3.]

The following trade-marks are published in compliance with section 6 of the act of February 20, 1905, as amended March 2, 1907. Notice of opposition must be filed within thirty days of this publication.

Marks applied for "under the ten-year proviso" are registrable under the provision in clause (b) of section 5 of said act as amended February 18, 1911.

As provided by section 14 of said act, a fee of ten dollars must accompany each notice of opposition.

Ser. No. 140,825. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) FELICE BISLERI & C., Milan, Italy, and New York, N. Y. Filed Dec. 9, 1920. Under ten-year proviso.



Particular description of goods.—Medicinal Bitters and General Tonic.
Claims use since 1885.

Ser. No. 143,996. (CLASS 39. CLOTHING.) THE PFEIZUCH WONDER ARCH GUIDE HEEL COMPANY, Cincinnati, Ohio. Filed Feb. 24, 1921.

ARCH GUIDE

Particular description of goods.—Heels Made of Rubber or Analogous Material for Footwear.
Claims use since Jan. 25, 1917.

Ser. No. 144,812. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) FRED. GOLDBERG, doing business as National Extract & Flavor Co., Hoboken, N. J. Filed Mar. 16, 1921.

National

Particular description of goods.—Hair Tonic.
Claims use since Nov. 15, 1920.

Ser. No. 152,767. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) PACIFIC MALT & HOP CO. INC., Brooklyn, N. Y. Filed Sept. 10, 1921.

ARROW
MALT EXTRACT
DARK
FOR QUALITY



FOLLOW THE ARROW

No claim is made to the exclusive use of the words "Malt Extract," "Dark," and "For Quality," apart from the mark shown on the drawing.
Particular description of goods.—Pure Malt Extract, a Sirup for Food Purposes Made from Choicest Barley Malt and Sold for Home Use.
Claims use since Jan. 1, 1919.

Ser. No. 154,611½. (CLASS 39. CLOTHING.) MARTIN BROTHERS COMPANY, Minneapolis, Minn. Filed Oct. 26, 1921.

BUFFALO BRAND



Applicant disclaims the right to the exclusive use of the word "Brand" apart from the association in which it is shown.
Particular description of goods.—Shirts, Overalls, Pants, Jackets, Overcoats, Rompers, Leather Vests, Fur-Lined Coats, Overall Suits, Underwear, Hosiery, Gloves, Sweaters, Nightshirts, Suspenders, Bathing Suits, Men's Neckwear, Knickers, and Belts.
Claims use since January, 1907.

Ser. No. 155,352. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) WALTER DEWITT KEMP, New York, N. Y. Filed Nov. 14, 1921.

VIT-NUTS

Particular description of goods.—Sandwichlike Product.
Claims use since Sept. 1, 1921.

Ser. No. 156,412. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) PASSAIC PRINT WORKS, Passaic, N. J. Filed Dec. 7, 1921.

TROUVILLE CHALLIE

No claim made to the word "Challie" apart from the mark as shown.

Particular description of goods.—Cotton Piece Goods.

Claims use since January, 1889.

Ser. No. 156,934. (CLASS 39. CLOTHING.) THE S. J. SAGER COMPANY, INC., Syracuse, N. Y. Filed Dec. 19, 1921.

SAGER

Particular description of goods.—Knitted Garments—Namely, Infants' Sacks, Bootees, Silk Hoods, Wool Hoods, Drawer Leggings, Slippers, Angora Hoods, Sweaters, Hockey Caps, Shirts, Bands, Mittens, Night-gowns; Children's Sweaters, Hockey Caps, Leggings, Gloves; Ladies' Knit Waists, Knit Skirts, Gloves, Leggings, Shawls, Fascinators, Shetland Shawls, Newport Scarfs, Waists, Sweater Sets, Brushed Scarfs, and Caps.

Claims use since Jan. 2, 1918.

Ser. No. 157,627. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) NESTLÉ & ANGLO-SWISS CONDENSED MILK CO., Cham and Vevey, Switzerland. Filed Jan. 7, 1922.



No trade-mark rights claimed in the representation of the medals or the reading matter descriptive of the medals apart from the other features shown in the drawing. The lining on the drawing is for shading purposes only.

Particular description of goods.—Café Au Lait.

Claims use since about January, 1918.

Ser. No. 157,628. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) NESTLÉ & ANGLO-SWISS CONDENSED MILK CO., Cham and Vevey, Switzerland. Filed Filed Jan. 7, 1922.

IDEAL MILK

No claim is made to the word "Milk" apart from the other features shown in the drawing. The lines on the drawing are not indicative of color, but are used for shading only.

Particular description of goods.—Concentrated Milk Without Sugar.

Claims use since about January, 1901.

Ser. No. 157,629. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) NESTLÉ & ANGLO-SWISS CONDENSED MILK CO., Cham and Vevey, Switzerland. Filed Jan. 7, 1922.

IDEAL MILK

No claim is made to the word "Milk" apart from the other features shown in the drawing. The lines on the drawing are not indicative of color, but are used for shading only.

Particular description of goods.—Condensed Milk.

Claims use since about January, 1901.

Ser. No. 159,055. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) REED ROLLER BIT CO., Houston, Tex. Filed Feb. 8, 1922.

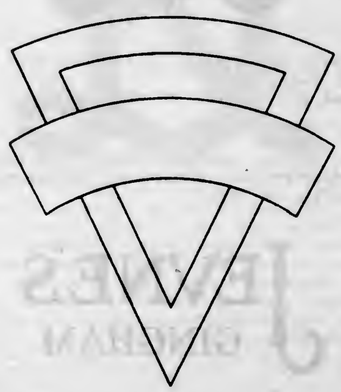


The words "The Bit with the Bite" as well as the representation of the rotary drill bit are disclaimed apart from the mark shown in the drawing.

Particular description of goods.—Rotary Drill Bits, Reamers, Fishing Tools for Oil and Water Wells.

Claims use since May, 1920.

Ser. No. 159,284. (CLASS 15. OILS AND GREASES.) THE PURE OIL COMPANY, Columbus, Ohio. Filed Feb. 13, 1922.



Particular description of goods.—Gasoline, Kerosene, Fuel Oil, Gas Oil, Lubricating Oils, Greases, Naphtha, Road Oil, and Paraffin Waxes.

Claims use since Feb. 1, 1921.

Ser. No. 159,625. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) HARRY SNYDER, doing business as Harry Snyder & Company, Chicago, Ill. Filed Feb. 20, 1922.



The trade-mark is a combination of the initials of the applicant, which are superimposed upon each other and surrounded by a circle.

Particular description of goods.—Live and Dressed Poultry, Butter, and Eggs.

Claims use since Apr. 18, 1921.

Ser. No. 159,820. (CLASS 39. CLOTHING.) SCHROEDER & WORTH, New York, N. Y. Filed Feb. 25, 1922.

"Frances Faire"

Frances Faire, as the same appears in the accompanying drawing and on the accompanying labels, is a facsimile of the name in the handwriting of Hugh A. Schroeder, one of the partners of the applicant.

Particular description of goods.—Dresses, Coats, and Suits for Girls and Women.

Claims use since Feb. 10, 1922.

Ser. No. 160,910. (CLASS 39. CLOTHING.) ACKERMAN & ROSENTHAL, INC., Wilmington, Del., and St. Louis, Mo. Filed Mar. 20, 1922.



Particular description of goods.—Ladies' and Children's Hats.

Claims use since Jan. 1, 1922.

Ser. No. 160,938. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) CARL A. HAY, doing business as The Newton Ice Cream Company, Newton, Kans. Filed Mar. 20, 1922.

Newco

Particular description of goods.—Ice Cream.
Claims use since October, 1920.

Ser. No. 161,005. (CLASS 39. CLOTHING.) WILLIAM HOLLINS & CO. LTD., London and Mansfield, England. Filed Mar. 21, 1922.

"Soluna"

Particular description of goods.—Negligee Shirts, Collars, Pyjamas, Dressing Gowns and Jackets, Blouses, Nightdresses, Knitted Underwear, and Children's Dresses, Hosiery, and Bootees.
Claims use since June, 1897.

Ser. No. 161,285. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) TAKAMINE LABORATORY, INC., Clifton, N. J., and New York, N. Y. Filed Mar. 25, 1922.

LAUNDR-AID

Particular description of goods.—Starch Solvents for Use in Washing Clothes, Cloths, Fabrics, and Linens.
Claims use since Feb. 1, 1922.

Ser. No. 161,651. (CLASS 39. CLOTHING.) SEE THE POINT WAIST BAND COMPANY, INC., New York, N. Y. Filed Apr. 1, 1922.

SEE THE POINT

Particular description of goods.—Waistbands.
Claims use since about Mar. 1, 1921.

Ser. No. 162,218. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) NOBLE C. TOOPS, doing business as Toops Bros., Chicago, Ill. Filed Apr. 12, 1922.

MAN O WAR

Particular description of goods.—Scissors.
Claims use since May 2, 1921.

Ser. No. 162,233. (CLASS 2. RECEPTACLES.) FRED YURCICH, Farrell, Pa. Filed Apr. 12, 1922.

G.R.

Particular description of goods.—Reels upon Which Wire is Wound.
Claims use since Mar. 29, 1922.

Ser. No. 162,746. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) H. JEVNE CO., Los Angeles, Calif. Filed Apr. 22, 1922.

JEVNE'S GINGHAM

Particular description of goods.—Coffee, Tea, Cocoa, Chocolate, Biscuit Flour, Rolled Oats, Canned Fish, Canned Fruit, Canned Vegetables, Meat Sauce, Food Flavoring Extracts, Sugar, Jelly, and Fruits and Vegetables, Preserves, Honey and Marmalades, Crackers, Bread, Cookies, Canned Milk, Dried Vegetables, Dried Fruits and Raisins, and Table Syrups.
Claims use since Aug. 3, 1921.

Ser. No. 163,356. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) HARRISON D. STERRICK, doing business as Crystal Chemical Company, Pittsburgh, Pa. Filed May 4, 1922.

NA-TU-RA

Particular description of goods.—Combination of Healing and Medicinal Oils and Antiseptics for External Application for Bruises, Etc., and Internal Use for Inflammation of Any Kind.
Claims use since October, 1903.

Ser. No. 163,515. (CLASS 14. METALS AND METAL CASTINGS AND FORGINGS.) A. GILBERT & SONS BRASS FOUNDRY CO., St. Louis, Mo. Filed May 8, 1922.

C

Particular description of goods.—Brass, Bronze, Aluminum, Babbitt, and White Metal Ingots and Castings.
Claims use since Jan. 1, 1909.

Ser. No. 163,983. (CLASS 26. MEASURING AND SCIENTIFIC APPLIANCES.) THE IMPERIAL TRUST FOR THE ENCOURAGEMENT OF SCIENTIFIC AND INDUSTRIAL RESEARCH, London, England. Filed May 17, 1922.

Particular description of goods.—Thermometers of All Kinds, Including Deep-Sea Thermometers, Dial Thermometers, Meteorological and Other Thermometers, Radiation Pyrometers, Optical Pyrometers, Thermocouples, Thermocouples with Indicator, Pyrometers, Flash-Point Apparatus, Resistance Thermometers, Calorimeters, Humidity Instruments, Penetrometers, Dosemeters, Compasses, Sextants, Telescopes, Binoculars, Theodolites, Periscopes, Photographic Shutters, Photographic Lenses, Focometers, Levels, Microscopes, Polarimeters, Spherometers, Spectrometers, Saccharimeters, Trial Lenses, Eyepieces, Condensers, Frequency Meters, Wave Meters, Testing Sets, Ammeters, Voltmeters, Ohmmeters, Supply Meters, Potentiometers, Wattmeters, Galvanometers, Watt-Hour Meters, Power-Factor Meters, Photometers, Wireless Measuring Apparatus, Pressure Gauges, Anemometers, Line Standards and Scales, Surveying Tapes, End Gauges, Cylindrical Gauges, Screw Gauges, Length Gauges, Snap Gauges, Wire Gauges, Templates, Straightedges, Squares, Protractors, Micrometers and Micrometer Heads, Calipers, Areameters; Measuring Machines Used for Various Kinds of Length Measurements, Especially the Kind of Lengths of End Gauges; Glass Vessels for Volumetric Measurements and Chemical Work, Pipettes, Burettes, Graduated Cylinders, Specific-Gravity Bottles, Rain Gauges, Balances, Speedometers, Barometers, Aneroids, Hydrometers, Taximeters, Taximeter Gear Boxes, Integrating Mets, and Ampere-Hour Mets.
Claims use since February, 1914.

Ser. No. 163,984. (CLASS 26. MEASURING AND SCIENTIFIC APPLIANCES.) THE IMPERIAL TRUST FOR THE ENCOURAGEMENT OF SCIENTIFIC AND INDUSTRIAL RESEARCH, London, England. Filed May 17, 1922.

NP

Particular description of goods.—Thermometers of All Kinds, Including Deep-Sea Thermometers, Dial Thermometers, Meteorological and Other Thermometers, Radiation Pyrometers, Optical Pyrometers, Thermocouples, Thermocouples with Indicator, Pyrometers, Flash-Point Apparatus, Resistance Thermometers, Calorimeters, Humidity Instruments, Penetrometers, Dosemeters, Compasses, Sextants, Telescopes, Binoculars, Theodolites, Periscopes, Photographic Shutters, Photographic Lenses, Focometers, Levels, Microscopes, Polarimeters, Spherometers, Spectrometers, Saccharimeters, Trial Lenses, Eyepieces, Condensers, Frequency Meters, Wave Meters, Testing Sets, Ammeters, Voltmeters, Ohmmeters, Supply Meters, Potentiometers, Wattmeters, Galvanometers, Watt-Hour Meters, Power-Factor Meters, Photometers, Wireless Measuring Apparatus, Pressure Gauges, Anemometers, Line Standards and Scales, Surveying Tapes, End Gauges, Cylindrical Gauges, Screw Gauges, Length Gauges, Snap Gauges, Wire Gauges, Templates, Straightedges, Squares, Protractors, Micrometers and Micrometer Heads, Calipers, Areameters; Measuring Machines Used for Various Kinds of Length Measurements, Especially the Kind of Lengths of End Gauges; Glass Vessels for Volumetric Measurements and Chemical Work, Pipettes, Burettes, Graduated Cylinders, Specific-Gravity Bottles, Rain Gauges, Balances, Speedometers, Barometers, Aneroids, Hydrometers, Taximeters, Taximeter Gear Boxes, Integrating Mets, and Ampere-Hour Mets.
Claims use since February, 1914.

Ser. No. 164,252. (CLASS 39. CLOTHING.) THEODORE KOTZIN, Los Angeles, Calif. Filed May 22, 1922.

BUILT TO STAND THE GRIND
HARDWARE

The words "Built to Stand the Grind" do not form a part of the registration sought apart from the mark shown in the drawing.

Particular description of goods.—Men's, Women's, and Children's Outing and Work Clothing—viz, Pants, Knickers, Breeches, Puttees, Hats, Caps, Shirts, Overcoats, and Mackinaws.
Claims use since April, 1920.

Ser. No. 164,578. (CLASS 39. CLOTHING.) BERNARD R. BARVA, Fort Wayne, Ind. Filed May 27, 1922.



NO-RUN-OVER

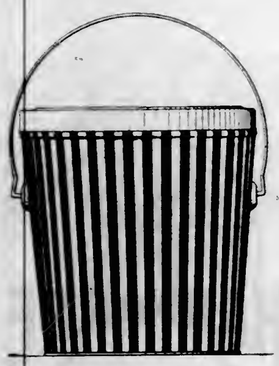
No claim is made to the word "No-Run-Over" and the illustration of the heel apart from the trade mark.
Particular description of goods.—Rubber Heels for Shoes.
Claims use since May 19, 1922.

Ser. No. 165,002. (CLASS 43. THREAD AND YARN.) BRITISH CELLULOSE AND CHEMICAL MANUFACTURING COMPANY LIMITED, London, England. Filed June 5, 1922.

CELANESE

Particular description of goods.—Threads Made Wholly or Principally of Cellulose Derivatives.
Claims use since early in 1922.

Ser. No. 165,451. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) THE E. KAHN'S SONS COMPANY, Cincinnati, Ohio. Filed June 13, 1922.



The pictorial representation of a bucket is disclaimed.
Particular description of goods.—Lard.
Claims use since Jan. 1, 1922.

Ser. No. 166,091. (CLASS 16. PAINTS AND PAINTERS' MATERIALS.) WILLIAM KINNELL PETRIE, Dundee, Scotland. Filed June 26, 1922.

SLIPPERINE

Particular description of goods.—Floor Polish in the Nature of Powdered Wax.
Claims use since 1885.

Ser. No. 166,126. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) ERICK BOWMAN REMEDY COMPANY, INC., Owatonna, Minn. Filed June 27, 1922.



No claim made to the words "Trade-Mark" apart from the mark as shown.
Particular description of goods.—Abortion Remedy and an Insecticide for External Use.
Claims use since 1921.

Ser. No. 166,373. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) THE JOHN P. KING MANUFACTURING CO., Augusta, Ga. Filed July 1, 1922.



Particular description of goods.—Cotton Piece Goods.
Claims use since Dec. 31, 1889.

Ser. No. 166,841. (CLASS 39. CLOTHING.) MILLER BROTHERS, New York, N. Y. Filed July 13, 1922.



Particular description of goods.—Ladies' Dresses, Bath Robes, Aprons, and Negligees.
Claims use since June 1, 1922.

Ser. No. 167,593. (CLASS 15. OILS AND GREASES.) HERCULES GASOLINE CO., Los Angeles, Calif. Filed July 26, 1922.



Particular description of goods.—Gasoline, Kerosene, Petroleum Distillates, Fuel Oils, Lubricating Oils and Greases.
Claims use since March, 1921.

Ser. No. 167,802. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) ANNIE F. COOK, Richmond, Va. Filed Aug. 4, 1922.

MRS. K'S
CAFETERIA
"The Food's the thing"

No claim is made to the word "Cafeteria" aside from the mark shown.
Particular description of goods.—Cooked Foods of All Descriptions—Namely, Sandwiches, Cooked Meats and Vegetables, Salad, Pastries, and Cake.
Claims use since on or about July 5, 1922.

Ser. No. 167,974. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) THE CRANE CHOCOLATE COMPANY, Cleveland, Ohio. Filed Aug. 9, 1922.

Brandywine

Particular description of goods.—Fruit Cake.
Claims use since July 3, 1922.

Ser. No. 168,285. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) HENRY A. WHITNEY, doing business as The Vigorex Co., Woonsocket, R. I. Filed Aug. 15, 1922.

VIGOREX
TRADE MARK

No claim is made to an exclusive right to the use of the words "Trade-Mark" appearing on the drawing. The mark consists of the fanciful word "Vigorex."
Particular description of goods.—Maltless Carbonated Beverage and a Sirup for Making the Same.
Claims use since 1901.

Ser. No. 168,465. (CLASS 39. CLOTHING.) FRANK & MEYER NECKWEAR CO., St. Louis, Mo. Filed Aug. 19, 1922.

Wool-o-Crepe

No exclusive claim is made to the words "Wool" and "Crepe" except as combined in the mark as shown.
Particular description of goods.—Neckties, Cravats, and Scarfs.
Claims use since May 9, 1922.

Ser. No. 169,549. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) GROCERS' BAKING COMPANY, Louisville, Ky. Filed Sept. 16, 1922.



No claim to the exclusive use of words "Honey Krust" or "The Glo-O'-Health in Every Crumb" except in connection with the rest of the mark as shown in the drawing.
Particular description of goods.—Bread.
Claims use since Mar. 13, 1916.

Ser. No. 169,569. (CLASS 39. CLOTHING.) WALLACH BROS., New York, N. Y. Filed Sept. 16, 1922.

"GOLFTOWN"

Particular description of goods.—Dress, Negligee, and Work Shirts, Collars, Knitted Fabric and Textile Underwear for Men, Women, and Children; Union Suits of Knitted and Textile Fabrics, Hosiery, Neckties and Cravats, Suits, Golf Suits, Coats, Top Coats, Flannel Trousers; Hats and Caps for Men, Women, and Children; Shoes and Slippers Made of Leather, Rubber, Fabric, Leather and Fabric, Rubber and Fabric, Leather and Rubber, and Combinations of the Same; Bath Robes, Bathing Suits, Belts for Personal Wear, Garters, Traveling Jackets, Reefers, Nightrobes, Suspenders, Mufflers, Golf Coats, Knit Golf Vests; Gloves Made of Leather, Rubber, Fabric, Leather and Fabric, Rubber and Fabric, Leather and Rubber, and Combinations of the Same; Knickerbockers.
Claims use since Aug. 30, 1922.

Ser. No. 169,930. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) SCHAFFNER BROTHERS COMPANY, Erie, Pa. Filed Sept. 25, 1922.

FULL WAIST

Particular description of goods.—Lard.
Claims use since Sept. 1, 1921.

Ser. No. 170,214. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) THE QUAKER OATS COMPANY, Chicago, Ill. Filed Oct. 2, 1922.



Particular description of goods.—Rolled Wheat and Wheat and Bran Flour.
Claims use since December, 1889.

Ser. No. 170,444. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) MOSS BROTHERS, New York, N. Y. Filed Oct. 7, 1922.

KARAVAN

Particular description of goods.—Plain Dyed Silk Goods in the Piece.
Claims use since June 15, 1921.

Ser. No. 170,538. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) ANNA PAULSON, New York, N. Y. Filed Oct. 10, 1922.



Particular description of goods.—Candies, Pastries, Breads, and Cakes.
Claims use since Oct. 4, 1922.

Ser. No. 170,819. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) HULMAN & Co., Terre Haute, Ind. Filed Oct. 17, 1922.



Particular description of goods.—Spices—Namely, Allspice, Bay Leaves, Cassia, Cinnamon, Cloves, Ginger, Laurel Leaves, Mace, Nutmegs, Pepper, Mixed Spices, Sage, Mustard; Flavoring Extracts for Food Purposes, Peanut Butter, Honey, Apple Butter, Peach Butter, Crushed Fruits, Sugar Sirup, Corn Sirup, Sorghum; Canned Vegetables—Namely, Asparagus, Beets, Peas, Spinach, Sweet Potatoes, Tomatoes, Pimientos, Corn, Hominy, Kraut, Pumpkin; Beans—Namely, Red Beans, Kidney Beans, Lima Beans, Navy Beans, Green Stringless Beans, and Wax Beans; Canned Fruits—Namely, Blackberries, Raspberries, Cherries, Peaches, Apricots, Pineapple, Gooseberries, Fruit Salad or Mixed Fruits; Canned Meats Comprising Dried Beef, Vienna Sausage, and Potted Ham; Canned Fish—Namely, Salmon, Sardines; Canned Oysters, Lake Herring, Evaporated Milk, Pickles, Olives, Salad Oil, Salad Dressing, Catchup, Pepper Sauce, Chili Sauce, Prepared Mustard, Vinegar, Mincemeat; Dried and Evaporated Fruits—Namely, Peaches, Apricots, Prunes, Raisins, Currants; Candied Peel—Namely, Lemon, Orange, and Citron; Rolled Oats, Rice; Flour, Comprising Pancake, Buckwheat, and Barley; Tapioca, Gelatin, Pop Corn, Cheese, Lard, Sugar, Cocoa, Coffee, Tea; and Table Seeds, Comprising Canary, Anise, Star Anise, Caraway, Celery, Mustard, and Poppy; Horse-Radish, Cottonseed Table Oil, Corn-Sirup Apple Jelly, Corn-Sirup Apple and Raspberry Jam, Corn-Sirup Apple and Blackberry Jam, Corn-Sirup Apple and Peach Jam, Corn-Sirup Apple and Strawberry Jam, Corn-Sirup Apple and Peach Preserves, Corn-Sirup Apple and Raspberry Preserves, Corn-Sirup Apple and Blackberry Preserves, Corn-Sirup Apple and Strawberry Preserves, Cornstarch.
Claims use since 1906.

Ser. No. 170,992. (CLASS 39. CLOTHING.) RUBBERHIDE COMPANY, Boston, Mass. Filed Oct. 20, 1922.



The lining employed upon the drawing is for shading purposes only. No claim is made to coloring.
Particular description of goods.—Boots and Shoes Made of Leather, Rubber, Fabric, and Combinations of Such Materials.
Claims use since November, 1920.

Ser. No. 171,091. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) PETER M. LEAVITT, doing business as Consolidated Products Co., Boston, Mass. Filed Oct. 23, 1922.



Particular description of goods.—Wheat Flour.
Claims use since Apr. 1, 1922.

Ser. No. 171,752. (CLASS 39. CLOTHING.) CONCORDIA SILK HOSIERY COMPANY, Philadelphia, Pa. Filed Nov. 9, 1922.



The trade-mark is applied to the goods by knitting a blue thread into the stocking to form a circumferential blue line, stripe, or band at about the junction of the body and welt of the stocking. The stocking shown in the drawing forms no part of the mark.
Particular description of goods.—Hosiery.
Claims use since on or about Nov. 4, 1922.

Ser. No. 171,848. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) INSTITUTO NAZIONALE MEDICO FARMACOLOGICO, Rome, Italy. Filed Nov. 11, 1922.



All the wording appearing on the drawing with the exception of the words "Instituto Nazionale Medico Farmacologico" and "Bioplastina Serono" are disclaimed apart from the mark shown on the drawing.
Particular description of goods.—Preparation for Hypodermic Use, Consisting of an Aseptic Emulsion of Twenty-Five Per Cent of Lecitin and Lutein in Physiological Serum.
Claims use since 1918.

Ser. No. 171,897. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) FRANK A. BOWLES, also doing business as Bowles Bros., Los Angeles, Calif. Filed Nov. 13, 1922.

SHORT-O BRAND

The word "Brand" does not form a part of the registration sought apart from the mark shown in the drawing.
Particular description of goods.—Cooking Oil Made from Cottonseed Oil.
Claims use since 1905.

Ser. No. 172,834. (CLASS 39. CLOTHING.) IPSWICH MILLS, Boston, Mass. Filed Nov. 21, 1922.

"DeLuxe"

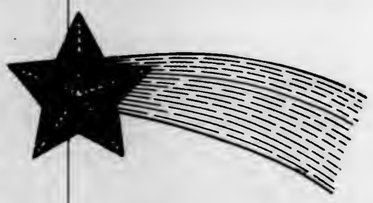
Particular description of goods.—Hosiery.
Claims use since Nov. 1, 1922.

Ser. No. 172,798. (CLASS 39. CLOTHING.) FLORADEL KNITTING MILLS INC., New Orleans, La. Filed Dec. 1, 1922.

FLORADEL

Particular description of goods.—Socks, Stockings, and Hosiery.
Claims use since June, 1920.

Ser. No. 172,845. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) MACLEAN DRUG COMPANY, Chicago, Ill. Filed Dec. 2, 1922.



Particular description of goods.—Patent Medicines—Namely, a General Tonic Preparation; Acid, Sulphuric; Acid, Tartaric; Alcohol, Denatured; Alcohol, Medicated; Antiseptic Solutions, Almond Cream, Almond Meal, Alophen Pills, Alum Powder, Ammonia Water, Arnica Tincture, Aromatic Spirits of Ammonia, Aspirin Tablets, Bay Rum; Beef, Iron, and Wine; Benzoin Tincture, Blue Ointment, Boric Acid, Calomel Tablets, Camphor Spirits, Camphorated Oil, Carbolic Acid, Carbolic Salve, Carmine, Carron Oil; Cascara, Aromatic; Cascara, Bitter; Cascara Extract Tablets, Castor Oil, Cathartic Compounds, Chalk Prepared for Medicinal Purposes, Camomile Tea, Chloroform Liniment, Citronella Oil, Cloves, Oil of; Cocoa Butter, Cod-Liver Oil, Cream of Tartar, Cresol Compound, Cold Cream, Lilac Vegetale, Nail Polish, Gargle Solution; Elixir Iron, Quinine, and Strychnine; Hand Lotions, Epsom Salts, Essence Jamaica Ginger for Medicinal Purposes, Essence Peppermint for Medicinal Purposes, Essence Pepsin for Medicinal Purposes, Eucalyptus Oil, Fennel Seed, Flaxseed Meal, Formaldehyde, Hair Tonic, Glycerin, Glycerin and Rose-Water Benzoin, Goose Oil for Medicinal Purposes, Green-Soap Tincture, Henna, Laxative Pills, Eyedrops, Toothache Drops, Ear Oil, Hygienic Cold Cream, Insect Powder, Iodine-Powder, Iodine Tincture, Ipecac Sirup, Toilet Water, Lanolin for Medicinal Purposes, Lactic Pills, Licorice Powder Compound, Lime Water, Disinfectants, Artificial Mineral Water for Laxative Purposes, Moth Balls, Muriatic Acid, Mustard for Medicinal Purposes, Rouge, Compact Powder, Shampoo (Coconut Oil); Niter, Sweet Spirits; Naphtha Flakes and Insecticide, Oil of Cedar Wood for Medicinal, Disinfectant, Deodorizing, and Cleansing Purposes; Orris-Root Powder, Oxalic Acid; Paraffin Oil, Amber, for Medicinal Purposes; Paregoric, Pumice Powder for Medicinal Purposes, Potassium Chlorate Powder, Quinine, Rhinitis, Rose Water, Russian Oil, Lemon Cream, Sal Ammoniac, Senna Leaves, Salts of Tartar; Soda Bicarbonate; Sulphur Powder, Sunflower Seed, Sunburn Lotion, Sweet Oil, Witch-Hazel, Water Glass, Zinc Ointment.
Claims use since 1918.

Ser. No. 173,033. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) CHURCH-VANCE GROCERY CO., Peru, Ind. Filed Dec. 7, 1922.

CHU-VAN

Particular description of goods.—Coffee, Rolled Oats, Cocoa, Lemon Extract for Food Purposes, Fruits Preserved in Sugar, and Canned Fruits—Namely, Canned Peaches, Canned Apricots, and Canned Pineapple.
Claims use since Apr. 1, 1921.

Ser. No. 173,493. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) R. B. HEBERT AND SON, Geauga Lake, Ohio. Filed Dec. 18, 1922.



The name of the individual whose portrait appears on the drawing is R. B. Hebert, of Portland, Me.
Particular description of goods.—Liniment.
Claims use since Dec. 1, 1904.

Ser. No. 173,505. (CLASS 37. PAPER AND STATIONERY.) LEVEY PRINTING COMPANY, Indianapolis, Ind. Filed Dec. 18, 1922.

SHIELD PRESS

Particular description of goods.—Paper and Paper Sheets of Various Kinds, Adding-Machine Paper, Bank-Note Wrappers, Blank Books of Various Kinds, Ruled and Otherwise.
Claims use since May, 1916.

Ser. No. 173,588. (CLASS 5. ADHESIVES.) BRITISH GLUES & CHEMICALS, LIMITED, London, England. Filed Dec. 20, 1922.

B·G·C
GRYPS

Particular description of goods.—Glue and Gelatin Glue.
Claims use since Nov. 30, 1921.

Ser. No. 173,696. (CLASS 39. CLOTHING.) BIRNBAUM, ROSENBLOOM & YELLEN, New York, N. Y. Filed Dec. 22, 1922.



The lining shown on the drawing is for purpose of shading only. The pictorial representation of a cap shown on the drawing is disclaimed apart from the mark as shown.
Particular description of goods.—Infants' Caps.
Claims use since Aug. 15, 1922.

Ser. No. 173,721. (CLASS 21. ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES.) WILLIAM H. PRIESS, New York, N. Y. Filed Dec. 22, 1922.

REFLEX

Particular description of goods.—Electrical Apparatus—Namely, Radio Receivers, Detectors, Amplifiers, Loud Speakers, and Component Parts Thereof, for Use in Connection with the Reception of Radio or Wired-Wireless or Broadcast Reception and for Transformers, Coils, and Condensers for Radio Sets and Radio Telephone and Telegraph Receivers, Embodying Either Radiofrequency Transformers or Audiofrequency Transformers and the Component Parts Thereof.
Claims use since Apr. 18, 1922.

Ser. No. 173,757. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) ETABLISSEMENTS POULENC FRÈRES, Paris, France. Filed Dec. 23, 1922.

SONERYL

Particular description of goods.—Chemical Compound Used as a Hypnotic, Analgesic, and Sedative.
Claims use since Apr. 18, 1922.

Ser. No. 174,248. (CLASS 39. CLOTHING.) KOPS BROS., New York, N. Y. Filed Jan. 6, 1923

"Arline"

Particular description of goods.—Corsets, Brassières, and Underwear of Textile Fabric for Women.
Claims use since Dec. 1, 1922.

Ser. No. 174,249. (CLASS 39. CLOTHING.) KOPS BROS., New York, N. Y. Filed Jan. 6, 1923.

"Myrabelle"

Particular description of goods.—Corsets, Brassières, and Underwear of Textile Fabric for Women.
Claims use since Dec. 1, 1922.

Ser. No. 174,250. (CLASS 39. CLOTHING.) KOPS BROS., New York, N. Y. Filed Jan. 6, 1923.

"Rosaline"

Particular description of goods.—Corsets, Brassières, and Women's Textile-Fabric Underwear.
Claims use since Dec. 1, 1922.

Ser. No. 174,306. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) ILLINOIS MEAT COMPANY, Chicago, Ill. Filed Jan. 8, 1923.

SUPER BRAND

Applicant disclaims the word "Brand" except as used in connection with the other feature of the mark.
Particular description of goods.—Meats, Hams, Bacon, Lard, Pork Loins, and Sausage.
Claims use since Nov. 1, 1922.

Ser. No. 174,310. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) L. KLEIN, INC., Chicago, Ill. Filed Jan. 8, 1923.

Elkay

Particular description of goods.—Wheat Flour, Canned Fruits, Vegetables, Sea Foods, and Coffee.
Claims use since May 1, 1914.

Ser. No. 174,390. (CLASS 39. CLOTHING.) HARRISBURG SHOE MFG. CO., Harrisburg, Pa. Filed Jan. 10, 1923.

Mary Lee

The trade-mark consists of the arbitrarily-chosen name "Mary Lee" as written by Clara M. Bashore, Harrisburg, Pa.
Particular description of goods.—Men's, Women's, and Children's Shoes Made of Leather, Imitation Leather, Canvas, Silk, Satin, Linen, and Cotton Fabrics.
Claims use since Jan. 3, 1923.

Ser. No. 174,492. (CLASS 39. CLOTHING.) SHERMAN & LERAIR, INCORPORATED, New York, N. Y. Filed Jan. 11, 1923.

GLOBE TROTTER

Particular description of goods.—Hosiery; Boots and Shoes of Leather, Rubber, and Fabric Combinations; Overalls, and Rompers.
Claims use since Jan. 1, 1923.

Ser. No. 174,735. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) P. N. GRAY & COMPANY, INC., New York, N. Y. Filed Jan. 18, 1923.

UNICORN

Particular description of goods.—Wheat Flour.
Claims use since Dec. 26, 1922.

Ser. No. 174,879. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) F. M. BALL & COMPANY, San Francisco, Calif. Filed Jan. 22, 1923.

Ball

Particular description of goods.—Canned Deciduous Fruits, Canned Vegetables, Canned Fruit Salad, and Fresh Deciduous Fruits.
Claims use since Oct. 2, 1921.

Ser. No. 175,187. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) CONSOLIDATED RENDERING COMPANY, Boston, Mass. Filed Jan. 27, 1923.

PENNANT

Particular description of goods.—Oleo, Oleo Oil, and Shortening.
Claims use since November, 1922.

Ser. No. 175,206. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) CLARENCE MORGAN, doing business as Clarence Morgan & Co., Chicago, Ill. Filed Jan. 27, 1923.

MORCO

Particular description of goods.—Acetanilid, Acetone; Acid: Benzoic, Boracic, Carbolic, Citric, Cresylic, Muriatic, Oxalic, Phosphoric, Salicylic, Stearic, Sulphuric, Tartaric; Albumen; Alum: Ammonia, Potash; Ammonium Carbonate, Ammonium Sulphate, Amyl Acetate, Aniline Oil, Oil of Anise, Arsenic, Benzol, Blue Vitriol, Borax, White Beeswax, Bergamot, Camphor, Oil of Caraway, Cardamom, Carbon Bisulphide, Carbon Tetrachloride, Caramel Color, Carmine, Cassia, Chloral Hydrate, Chlorophyl, Chloride Lime, Chloroform, Cocoa Butter, Citronella, Copaiba, Coriander, Cubebs, Copperas, Corrosive Sublimate, Cream Tartar, Coumarin, Dextrin, Epsom Salts; Ether, Sulphuric; Eucalyptus Globulus; Fennel, Sweet; Formaldehyde, Fuller's Earth for Medicinal Purposes, Geranium, Glauber's Salts, Gum Camphor, Indian Gum or Gum Karaya; Gum of Tragacanth, Aleppo; Infusorial Earth, Kaolin for Medicinal Purposes, Oil of Lavender, Linaloe, Lanolin, Liquor Cresolis, Oil of Mace, Magnesia, Melissa, Menthol, Mirbane, Mustard Seed, Naphthaline, Neroli, Oil of Orange, Sweet; Oil of Orange, Sweet West Indian; Oil of Orange, Sweet Terpeneless; Origanum; Oil: Wintergreen, Peppermint, Sweet Birch; C. P. Glycerin, Castor Oil, Cod-Liver Oil; Oil Fusel, Refined; Mineral Oil for Medicinal Purposes, Oil of Pennyroyal, Oil of Peppermint, Petitgrains, Petrolatum; Potash: Bichromate, Chlorate, Iodide, Permanganate, Prussiate; Quinine, Rhodol, Rice Starch, Rochelle Salts; Sassafras, Pure; Sassafras, Artificial; Saccharin, Sal Ammoniac, Saltpeter, Saponine for Medicinal Purposes, Silver Nitrate, Soda Ash; Soda: Benzoate, Bicarbonate, Bisulphite, Bromide, Fluoride, Hyposulphite, Nitrate, Nitrite, Phosphate; Sal Soda, Soda Salicylate, Soda Silicate, Spearmint, Sulphur, Talcum for Toilet Purposes, Tin Oxide, Thymol, Turpentine for Medicinal Purposes, Tansy, Thuja, Thyme; Wax: Candelilla for Medicinal Purposes, Spermacetti for Medicinal Purposes, Ceresine for Medicinal Purposes, Carnauba for Medicinal Purposes, Japan for Medicinal Purposes; Wintergreen, Wormseed, Balsam Copaiba, Balsam Peru, Balsam Tolu, Civet, Gum Benzoin, Laudanum; Musk, Tonquin; Orris Root, Benzaldehyde; Citral, Pure; Zinc Oxide, Zinc Sulphate, Zinc Stearate, Birch-Tar Oil, Bois de Rose Oil, Cade Oil, Cajeput Oil, Cananga Oil, Cedar-Leaf Oil, Ginger-Grass Oil, Hemlock Oil, Lemon Oil, Lomonegras Oil, Oak-Moss Oil, Oleoresin Oil, Almond Oil, Celery Oil, Cinnamon Oil, Oil of Cloves, Ginger Oil, Lemon Oil, Oil of Limes, Bitter-Orange Oil, Patchouly Oil, Peach-Kernels Oil, Rose Oil, Rosemary-Flower Oil, Safrol Oil, Spike-Lavendar Oil, Sweet-Birch Oil, Vetiver Oil, Ylang-Ylang Oil, Nutmeg Oil, Olive Oil, Pimenta Oil, Mandarin Oil, Cedarwood Oil, and Sandalwood Oil for Medicinal Purposes.
Claims use since July 12, 1922.

Ser. No. 175,396. (CLASS 13. HARDWARE AND PLUMBING AND STEAM-FITTING SUPPLIES.) THE HONEYWELL HEATING SPECIALTIES COMPANY, Wabash, Ind. Filed Feb. 1, 1923.

VAPORSTAT

Particular description of goods.—Fluid-Pressure Regulating and Controlling Instruments.
Claims use since Sept. 1, 1922.

Ser. No. 175,833. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) THE AKRON GROCERY COMPANY, Akron, Ohio. Filed Feb. 10, 1923.

Betsy Ross

Particular description of goods.—Catchup, Dried Prunes, Dried Peaches, Dried Apricots, Shelled Pop Corn, Canned Soup, Jellies, Jams, Fruit Preserves, Peanut Butter, Olives, Pickles, Prepared Mustard, Prepared Relishes, Table Sirup, Vinegar, Salad Dressing, Allspice, Clove, Ginger, Mustard, Paprika, Pepper, Nutmegs, Sage, and Mace.
Claims use since October, 1921.

Ser. No. 175,887. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) ALEX ROSE, doing business as Logan Baking & Creamery Co., Logan, W. Va. Filed Feb. 10, 1923.

Goodeta

Particular description of goods.—Bread, Cakes, and Pies.
Claims use since 1915.

Ser. No. 175,890. (CLASS 26. MEASURING AND SCIENTIFIC APPLIANCES.) SPAULDING-MOSS COMPANY, Boston, Mass. Filed Feb. 10, 1923.

SPAULDING-MOSS COMPANY · 42 FRANKLIN STREET BOSTON

No claim of monopoly is made to the words "42 Franklin Street, Boston" appearing on the drawing.
Particular description of goods.—Drawing Instruments, Drawing Accessories, Surveyors' Instruments.
Claims use since on or about January, 1920.

Ser. No. 175,939. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) MINNEAPOLIS MILLING CO., Minneapolis, Minn. Filed Feb. 12, 1923.

TOPS-ALL

Particular description of goods.—Wheat Flour.
Claims use since Dec. 8, 1922.

Ser. No. 176,040. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) CHARLES L. POOR CO., New York, N. Y. Filed Feb. 14, 1923.

Maid of the Mist

Particular description of goods.—Cotton Piece Goods.
Claims use since about Nov. 1, 1913.

Ser. No. 176,078. (CLASS 15. OILS AND GREASES.) GREAT SOUTHERN REFINING COMPANY, Lexington, Ky. Filed Feb. 15, 1923.

DIXIWAY

Particular description of goods.—Lubricating Oils and Greases.
Claims use since Feb. 1, 1923.

Ser. No. 176,094. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) PENNSYLVANIA SALT MANUFACTURING COMPANY, Philadelphia, Pa. Filed Feb. 15, 1923. Under ten-year proviso.



Particular description of goods.—Lye.
Claims use since 1854.

Ser. No. 176,115. (CLASS 39. CLOTHING.) HARRY COOPERMAN, Chicago, Ill. Filed Feb. 16, 1923.

ANGEL

Particular description of goods.—Baby Wear, Bath Robes, Jackets, and Baby Buntings.
Claims use since about Jan. 2, 1923.

Ser. No. 176,158. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) BERTHA H. BEUCHEL, doing business as Beuchel Mfg. Co., St. Louis, Mo. Filed Feb. 17, 1923.

DARLINE

Particular description of goods.—Hair Tonic and Scalp Ointment.
Claims use since Feb. 1, 1923.

Ser. No. 176,199. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) JOS. MIDDLEBY, JR. INC., Boston, Mass. Filed Feb. 17, 1923.

MIDCO WHIP

Particular description of goods.—Whipping Powder for Use in the Manufacture of Icings, Meringue, Kisses, Puddings, and the Like.
Claims use since Nov. 6, 1922.

Ser. No. 176,251. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) COMMANDER MILL CO., Minneapolis, Minn. Filed Feb. 19, 1923.

COMANDANTE

Particular description of goods.—Wheat Flour.
Claims use since Feb. 13, 1923.

Ser. No. 176,365. (CLASS 15. OILS AND GREASES.) REED OIL COMPANY, Rogers, Ark. Filed Feb. 20, 1923.

R

No claim is made to the letter "R" apart from the mark shown.
Particular description of goods.—Lubricating Oils and Greases.
Claims use since June 13, 1922.

Ser. No. 176,416. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) JOSEPH MOSKOWITZ, New York, N. Y. Filed Feb. 21, 1923.

Platinum

Particular description of goods.—Pastry Flour.
Claims use since May 1, 1921.

Ser. No. 176,571. (CLASS 39. CLOTHING.) RICHMOND HOSIERY MILLS, Rossville, Ga. Filed Feb. 24, 1923.

CUSHION WEAVE

Particular description of goods.—Hosiery.
Claims use since Oct. 1, 1921.

Ser. No. 176,647. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) PEDIGREED PRODUCTS CORPORATION, Elmira, N. Y. Filed Feb. 26, 1923.

Vacuo-Packt Pedigreed

Particular description of goods.—Nuts in Their Natural State, Salted Nuts, Granulated Nuts, Peanut Butter.
Claims use since Nov. 16, 1922.

Ser. No. 176,827. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) HATTIESBURG GROCERY CO., Hattiesburg, Miss. Filed Mar. 2, 1923.



The words "Top Quality" are disclaimed apart from the other features of the mark.
Particular description of goods.—Self-Rising Wheat Flour.
Claims use since Feb. 1, 1923.

Ser. No. 176,858. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) HENRY A. SCHNITTKER, St. Louis, Mo. Filed Mar. 2, 1923.



Particular description of goods.—Coffee, Tea, and Other Substitutes.
Claims use since Feb. 19, 1923.

Ser. No. 176,869. (CLASS 39. CLOTHING.) APOLLO SHIRT COMPANY, New York, N. Y. Filed Mar. 3, 1923.

Apollo

Particular description of goods.—Dress and Top Shirts.
Claims use since November, 1920.

Ser. No. 176,903. (CLASS 39. CLOTHING.) W. H. MCELWAIN COMPANY, doing business as McElwain, Hutchinson & Winch, Boston, Mass. Filed Mar. 3, 1923.



No claim is made to the words: "$5.00 Cash Reward and a new pair of shoes will be given to the wearer who finds paper in the heels, counters, insoles or outsoles of any shoes made by us bearing this trade mark. McElwain, Hutchinson & Winch, Boston, Mass., Branch of the International Shoe Co. All Leather, Heel, Counter, Innersole" apart from the mark shown in the drawing.
Particular description of goods.—Leather Boots, Shoes, and Slippers.
Claims use since about Jan. 5, 1923.

Ser. No. 176,949. (CLASS 16. PAINTS AND PAINTERS' MATERIALS.) CLEVELAND CHEMICAL CORPORATION, Wilmington, Del., and Cleveland, Ohio. Filed Mar. 5, 1923.

Germex

Particular description of goods.—Polishing Materials with Incidental Cleansing and Germicidal Properties—viz, Polishes for Furniture, Interior Finishes, Varnish Surfaces, Hardwood Floors, Painted Floors, Tile Floors, Linoleums, Pianos, Phonographs, Automobiles, Enamel Furniture (White, Ivory, and Other Colors), Wood and Metal Bedsteads, Painted Woodwork, Painted Walls, Enameled Wall Paper, Tiling, Bathroom and Kitchen Furnishings and Fixtures, Bathtubs, Lavatories, Closets, Sinks, Porcelain, Marble, Mirrors, Glass Table Tops, Windows, Pantry Shelves, Inside of Dressers and Bureau Drawers, Floors Before Laying Carpets and Rugs, Floor Mops, Dusters, and Various Other Polishing, Antipest, and Antigerm Uses.
Claims use since July 10, 1922.

Ser. No. 177,293. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) VERNON C. GETZ, doing business as The Wonderlay Company, Indianapolis, Ind. Filed Mar. 12, 1923.

DIGESTERENE

Particular description of goods.—Chick Tonic Feed.
Claims use since Feb. 1, 1923.

Ser. No. 177,310. (CLASS 39. CLOTHING.) ISAAC I. MARRUS, Scranton, Pa. Filed Mar. 12, 1923.



"THE LABEL OF VALUE"

The reason for using the words "Reg. U. S. Pat. Off." is because we have had the design registered #149,156 on the 22d of April, 1921. We do not claim "Reg. U. S. Pat. Off." as part of our trade name.
Particular description of goods.—Suits for Men, Young Men, Boys, and Children; Overcoats, Sheepskin Coats, Mackinaws, Pants, Knee Pants, Vests, and Raincoats.
Claims use since May, 1921.

Ser. No. 177,364. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) CONSOLIDATED PRODUCTS CO., Chicago, Ill. Filed Mar. 13, 1923.



HUNT'S CONCENTRATED BUTTER MILK

The words "Concentrated Butter Milk" not forming a part of the registration sought apart from the mark shown in the drawing.
Particular description of goods.—Concentrated Buttermilk.
Claims use since Feb. 10, 1923.

Ser. No. 177,427. (CLASS 15. OILS AND GREASES.) JACK BECHDOLT and MABEL BECHDOLT, doing business as Mabel Claire Studio, New York, N. Y. Filed Mar. 14, 1923.

CANDLESTICK FOLKS

Particular description of goods.—Candles.
Claims use since Jan. 15, 1923.

Ser. No. 177,486. (CLASS 13. HARDWARE AND PLUMBING AND STEAM-FITTING SUPPLIES.) THE GROENIGER MANUFACTURING COMPANY, Columbus, Ohio. Filed Mar. 15, 1923.

TESITE

Particular description of goods.—Plumbers' Ware—Namely, Water-Closet-Bowl Connections, Test Caps, Roof Connections, Roof Drains, Floor Drains, Urinal Strainers and Traps, Shower-Bath Traps, Drainage Fittings, Water-Closet Bends, Clean-Out Plugs, and Pipe Fittings.
Claims use since December, 1920.

Ser. No. 177,547. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) LEON COHN, doing business as Les Parfums Forest, Paris, France. Filed Mar. 16, 1923.

FOREST

Particular description of goods.—Perfume, Toilet Water, Face Powder, Talcum Powder, Sachet, Brilliantine, Rouge, and Face Lotion.
Claims use since December, 1921.

Ser. No. 177,562. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) THE LAKE SHORE ELEVATOR COMPANY, Cleveland, Ohio. Filed Mar. 16, 1923.



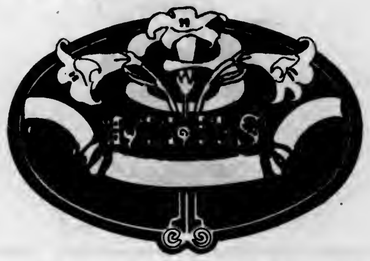
Particular description of goods.—Animal Feeds—Namely, Horse and Mule Feed, Poultry Scratch Feed, Poultry Buttermilk Laying Mash, Buttermilk Starting Feed, Buttermilk Growing Mash, Chick Feed, Chick Developing Feed, Pigeon Feed, Dairy Feed, Calf Meal, and Buttermilk Hog Feed.
Claims use since Feb. 15, 1923.

Ser. No. 177,582. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) JUAN BERMEJO, New York, N. Y. Filed Mar. 17, 1923.



Particular description of goods.—Plain and Fancy Cakes.
Claims use since Feb. 20, 1923.

Ser. No. 177,583. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) BIG FOUR CHEMICAL PRODUCTS CO., Indiana Harbor, Ind. Filed Mar. 17, 1923.



Particular description of goods.—Massage Cream.
Claims use since Feb. 15, 1922.

Ser. No. 177,584. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) BIG FOUR CHEMICAL PRODUCTS CO., Indiana Harbor, Ind. Filed Mar. 17, 1923.



Particular description of goods.—External Preparation Beneficial for Rheumatic Pain, Cold in Chest, Catarrh, Croup, Neuralgia, Sprains, Lameness, Sore Joints, Backache, Lumbago, Chilblains, Headache, Pleurisy, Bronchitis, Swellings, and Frosted Feet.
Claims use since Apr. 25, 1921.

Ser. No. 177,601. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) FORD FLOUR COMPANY, Wilmington, Del., and Nashville, Tenn. Filed Mar. 17, 1923.

THE FLOUR WITHOUT A DOUBT MADE RIGHT-BAKES LIGHT

The words "Made Right—Bakes Light" are disclaimed apart from the other features of the mark.
Particular description of goods.—Wheat Flour.
Claims use since September, 1920.

Ser. No. 177,753. (CLASS 39. CLOTHING.) UNITED STATES RUBBER COMPANY, New Brunswick, N. J., and New York, N. Y. Filed Mar. 20, 1923.

MOHAWK

Particular description of goods.—Felt Slippers.
Claims use since Jan. 25, 1923.

Ser. No. 177,759. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) THE AMERICAN STOCK FOOD CO., Blanchester, Ohio. Filed Mar. 21, 1923.



No claim is made to the words "American Hog Tonic" except in connection with the mark as shown. No common-law rights whatever in these words are waived by this disclaimer.

Particular description of goods.—A Hog Tonic and Food.

Claims use since on or about Jan. 1, 1923.

Ser. No. 177,809. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) SUSIE B. YOUNT, Louisville, Ky. Filed Mar. 21, 1923.

FERRICAL

Particular description of goods.—System Tonic.

Claims use since Jan. 1, 1902.

Ser. No. 177,996. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) THE PROCTER AND GAMBLE COMPANY, Cincinnati, Ohio. Filed Mar. 24, 1923.



Particular description of goods.—Cottonseed Oil for Cooking, Salad Oils, Butter Oil, Cooking Oils, Edible Peanut Oil, Edible Coconut Oil, Special Hardened Coconut Oil, Oleomargarine, Cooking Fats.

Claims use since March, 1910.

Ser. No. 178,055. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) ADA MONTGOMERY, Kansas City, Mo. Filed Mar. 26, 1923.



The portrait shown in the drawing is that of the applicant.

Particular description of goods.—Pharmaceutical Preparation in Liquid Form for the Promotion of the Growth of the Hair.

Claims use since about March, 1914.

Ser. No. 178,184. (CLASS 26. MEASURING AND SCIENTIFIC APPLIANCES.) OPTICAL PRODUCTS CORPORATION, New York, N. Y. Filed Mar. 28, 1923.

The Silhouette

Particular description of goods.—Frames, Rims, and Nose Pieces for Eyeglasses, and Celluloid Appliances for Eyeglasses.

Claims use since June 1, 1922.

Ser. No. 178,489. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) AMERICAN HOMINY COMPANY, Chicago, Ill. Filed Apr. 3, 1923.



Particular description of goods.—Poultry Feeds and Mash.

Claims use since Mar. 19, 1923.

Ser. No. 178,503. (CLASS 13. HARDWARE AND PLUMBING AND STEAM-FITTING SUPPLIES.) JOSEPH A. HOEGGER, Jersey City, N. J. Filed Apr. 3, 1923.

"ANKER-IN"

Particular description of goods.—Fixture Supports to be Attached to or Inserted in Walls and to Which Are Fastened Bathroom and Other Fixtures, Such as Soap Dishes, Tumbler Holders, Towel Racks, and the Like.

Claims use since Feb. 21, 1922.

Ser. No. 178,505. (CLASS 39. CLOTHING.) JALKOFF BROS. INC., New York, N. Y. Filed Apr. 3, 1923.

NORDIK

Particular description of goods.—Coats, Capes, Scarfs, Neck Pieces, and Muffs Made of Fur.

Claims use since Feb. 1, 1923.

Ser. No. 178,534. (CLASS 39. CLOTHING.) JOSEPH B. SHANSBY, Seattle, Wash. Filed Apr. 3, 1923.

CLASSKNIT

Particular description of goods.—Caps for Men, Women, and Children; Sweaters, Fabric Leggings, Scarfs, Bathing Suits, Hose, Fabric Gloves.

Claims use since Feb. 1, 1923.

Ser. No. 178,562. (CLASS 39. CLOTHING.) D. B. MAY, doing business as D. B. May Hosiery Mills, Burlington, N. C. Filed Apr. 4, 1923.

John B. Stratford

The mark shown in the accompanying drawing is the facsimile signature of John B. Stratford, who at the time of adoption of the mark was then a member of the D. B. May Hosiery Mills.

Particular description of goods.—Men's, Women's, Misses', and Children's Hosiery.

Claims use since Apr. 1, 1920.

Ser. No. 178,576. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) SUNKIST LEMON PIE COMPANY, Chicago, Ill. Filed Apr. 4, 1923.

SUNKIST

Particular description of goods.—Lemon-Meringue Pies.

Claims use since Feb. 15, 1922.

Ser. No. 178,589. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) MARTIN BOYD & CO., Memphis, Tenn. Filed Apr. 5, 1923.



Particular description of goods.—Wheat Flour.

Claims use since June 14, 1922.

Ser. No. 178,621. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) MARMOLA COMPANY, Detroit, Mich. Filed Apr. 5, 1923.

DELICRÈME

Particular description of goods.—Deodorant.

Claims use since Mar. 30, 1923.

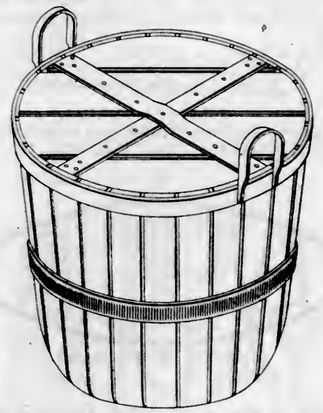
Ser. No. 178,645. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) VIGNES-BOMBET GROCER CO., INC., Baton Rouge, La. Filed Apr. 5, 1923.

BAK-EM

Particular description of goods.—Wheat Flour.

Claims use since Nov. 7, 1922.

Ser. No. 178,686. (CLASS 2. RECEPTACLES.) RAY B. WHITE, doing business as The R. B. White Co., Bigwells, Tex. Filed Apr. 6, 1923.



The band encircling the hamper illustrated in the drawing is in practice colored red, as indicated by the shaded

lines. No claim is made to the representation of the hamper except for the purpose of setting forth the manner of applying the mark.

Particular description of goods.—Wooden Hampers for Shipping Spinach and Like Vegetables.

Claims use since Feb. 1, 1923.

Ser. No. 178,850. (CLASS 16. PAINTS AND PAINTERS' MATERIALS.) GEORGE H. JOHNSON, Worcester, Mass. Filed Apr. 9, 1923.

KRUSTOFF

Particular description of goods.—Oily Compound for Use in Treating the Surfaces of Stoves and Furnaces.

Claims use since the fall of 1921.

Ser. No. 178,871. (CLASS 13. HARDWARE AND PLUMBING AND STEAM-FITTING SUPPLIES.) SANDVIKENS JERNVERKS AKTIEBOLAG, Sandviken, Sweden. Filed Apr. 9, 1923.

SANDVIK

Particular description of goods.—Springs and Coil Springs, Hot-Rolled and Cold-Drawn Seamless Steel Tubing.

Claims use since Oct. 13, 1868.

Ser. No. 178,981. (CLASS 14. METALS AND METAL CASTINGS AND FORGINGS.) DU PONT ENGINEERING COMPANY, Wilmington, Del. Filed Apr. 11, 1923.

EVERDUR
DUPONT METAL No.50

No claim is made to the words "Dupont Metal."

Particular description of goods.—Metallic Alloys.

Claims use since Jan. 15, 1923.

Ser. No. 179,009. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) LOTTMAN MEDICINE COMPANY, Cairo, Ill. Filed Apr. 11, 1923.

AL-TO

Particular description of goods.—Proprietary Medicines for the Treatment of Indigestion, Sour Stomach, Constipation, Biliousness, and Loss of Appetite.

Claims use since Apr. 1, 1921.

Ser. No. 179,124. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) CHARLES E. ADAMSON, doing business as Safetygas & Appliance Company, Wabash, Ind. Filed Apr. 14, 1923.

DISTILGAS

Particular description of goods.—Denatured Alcohol.

Claims use since Feb. 1, 1922.

Ser. No. 179,135. (CLASS 7. CORDAGE.) COMPANIA DE JARCIA DE MATANZAS S. A., Matanzas, Cuba. Filed Apr. 14, 1923.

CROWN BRAND
M·C·C

No claim is made to the word "Brand" apart from the mark shown.

Particular description of goods.—Rope and Twine.

Claims use since Sept. 29, 1922.

Ser. No. 179,182. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) CAPE COUNTY MILLING CO., Jackson, Mo. Filed Apr. 16, 1923.

CAPCO

Particular description of goods.—Wheat Feed, Shorts, and Corn Meal.

Claims use since 1915.

Ser. No. 179,229. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) SIMS MILLING COMPANY, Frankfort, Ind. Filed Apr. 16, 1923.

WHEATLAX

Particular description of goods.—Cereal Made from Wheat.

Claims use since Feb. 17, 1923.

Ser. No. 179,233. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) THE SQUARE BAKING COMPANY, Cleveland, Ohio. Filed Apr. 16, 1923.

LUX

Particular description of goods.—Bread.

Claims use since about Feb. 1, 1923.

Ser. No. 179,308. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) LINCOLN LABORATORIES, INC., Chicago, Ill. Filed Apr. 18, 1923.

TISSULAX

Particular description of goods.—Beauty Clay.

Claims use since November, 1922.

Ser. No. 179,362. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) COMMONWEALTH COLOR & CHEMICAL CO., Brooklyn, N. Y. Filed Apr. 19, 1923.

C C C C

Particular description of goods.—Bleaching Blue, Auxiliary Dyeing Agents for Color Penetration and Retardation; Chemical Specialties for the Treatment of Wool, Cotton, Lace, Silk, Leather, Paper, and Cordage; Acid and Chrome Dyestuff Substitutes, Reducing Agents for Mordanting Wool, Aniline and Alizarine Colors, Nonvolatile Oil Compounds for Mixture with Oil or Water, Sulphonated Oils, Mineral and Vegetable Acids, Resinated Compounds for Emulsifying Mineral, Vegetable, and Other Oils.

Claims use since July 1, 1911.

Ser. No. 179,412. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) WALTER M. CARPENTER, doing business as Kluk Chemical Co., Minneapolis, Minn. Filed Apr. 20, 1923.

KLUK

Particular description of goods.—Medicinal Tablets for the Prevention and Treatment of Cholera, Roup, and Diarrhea in Fowls.

Claims use since Mar. 1, 1923.

Ser. No. 179,425. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) HARRY A. POND, Bay City, Mich. Filed Apr. 20, 1923.

H.A.Pond

The trade-mark is a facsimile of my signature.

Particular description of goods.—Pile Remedy.

Claims use since May 1, 1907.

Ser. No. 179,554. (CLASS 39. CLOTHING.) READING UNDERWEAR CO., Reading, Pa. Filed Apr. 23, 1923.



Reading Maid

The picture in the drawing is fanciful.

Particular description of goods.—Ladies' and Girls' Knit Underwear.

Claims use since June 1, 1913.

Ser. No. 179,555. (CLASS 39. CLOTHING.) READING UNDERWEAR CO., Reading, Pa. Filed Apr. 23, 1923.



Reading Scout

The picture in the drawing is fanciful.

Particular description of goods.—Boys' Knit Underwear.

Claims use since Oct. 1, 1917.

Ser. No. 179,591. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) DOUGLASS CARAMEL COMPANY, Wilmington, Del., and Philadelphia, Pa. Filed Apr. 24, 1923.

KOO-AY

Particular description of goods.—Candies.

Claims use since Mar. 31, 1923.

Ser. No. 179,606. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) EDMUND M. KRAEMER, doing business as The E. K. Company, Philadelphia, Pa. Filed Apr. 24, 1923.

WASHBURNOLA

REGISTERED

No claim is made to the word "Registered" shown in the drawing.

Particular description of goods.—Preparation for Hay Fever and Rose Cold.

Claims use since Apr. 2, 1923.

Ser. No. 179,651. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) BLUE RIBBON BATTERY COMPANY, Indianapolis, Ind. Filed Apr. 25, 1923.

BLUE RIBBON TRADE MARK

No claim is made to the words "Trade Mark."

Particular description of goods.—Battery Solutions.

Claims use since Feb. 20, 1922.

Ser. No. 179,691. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) UNION BAKERY, Marion, Ohio. Filed Apr. 25, 1923.

LONG BOY

Particular description of goods.—Bread.

Claims use since April, 1920.

Ser. No. 179,732. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) KOHR MFG. CO., Middletown, Pa. Filed Apr. 26, 1923.

EX-LEMA

The drawing is lined to show brown lettering on pink background.

Particular description of goods.—Medicinal Preparation Used in the Treatment of Eczema, Tetter, Ringworm, Itch, and Other Skin Eruptions.

Claims use since Dec. 16, 1922.

Ser. No. 179,769. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) THE BELL COMPANY, Worcester, Mass. Filed Apr. 27, 1923.

BELL

Particular description of goods.—Woolen, Worsted Piece Goods.

Claims use since September, 1919.

Ser. No. 179,821. (CLASS 39. CLOTHING.) SALANT & SALANT, INC., New York, N. Y. Filed Apr. 27, 1923.

JIFFY

Particular description of goods.—Men's and Boys' Work Shirts and Dress Shirts and Boys' Blouses.

Claims use since July 20, 1922.

Ser. No. 179,910. (CLASS 15. OILS AND GREASES.) CAREY G. WIRICK, doing business as Lion Oil Company, Chicago, Ill. Filed Apr. 28, 1923.

LION MOTOR OIL

The words "Motor Oil" are disclaimed apart from the mark as shown.

Particular description of goods.—Petroleum, Kerosene, Gasoline, Naphtha, Lubricating Oils, Lubricating Greases, Road Oil, Crude Oil, Fuel Oil, Paraffins, Flux Oil, Cutting Oil.

Claims use since September, 1915.

Ser. No. 179,933. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) FORD & COMPANY, Brooklyn, N. Y. Filed Apr. 30, 1923.

POINSETTIA

Particular description of goods.—Fruit Preserves.

Claims use since Apr. 1, 1923.

Ser. No. 179,949. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) WILLIS NORTON & CO., North Topeka, Kans. Filed Apr. 30, 1923.

GUERNSEY CREAM

Particular description of goods.—Wheat Flour.

Claims use since Aug. 1, 1922.

Ser. No. 180,068. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) A. M. KATZMAN CORP., New York, N. Y. Filed May 2, 1923.

L'HEURE BLEUE

Particular description of goods.—Perfumes.

Claims use since Feb. 1, 1922.

Ser. No. 180,115. (CLASS 44. DENTAL, MEDICAL, AND SURGICAL APPLIANCES.) FORT HOWARD PAPER COMPANY, Green Bay, Wis. Filed May 3, 1923.

KRAFT-CLOTH

The word "Cloth" is disclaimed apart from the mark as shown in the drawing.

Particular description of goods.—Sanitary Napkins.

Claims use since May 1, 1922.

Ser. No. 180,124. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) THEODORE KLEINER, doing business as Lemon Products Company, Santa Barbara, Calif. Filed May 3, 1923.

LEM-O-LYN

Particular description of goods.—Salve and Lotion for Cleansing, Softening, and Protecting the Skin and Scalp.

Claims use since Feb. 1, 1923.

Ser. No. 180,125. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) MARTIN KAPLAN, Brooklyn, N. Y. Filed May 3, 1923.

GASYROL

Trade-mark consists of the fanciful figure of a man holding his hand on his stomach and the word "Gasyrol."

Particular description of goods.—Medicines and Pharmaceutical Preparations for the Treatment of Gas in the Stomach and Intestinal Fermentation.

Claims use since Jan. 1, 1922.

Ser. No. 180,363. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) COUGH CHECKER COMPANY, Newburgh, N. Y. Filed May 9, 1923.

COUGH CHECKERS

On the drawing certain features of the trade-mark are lined to indicate a red coloration.

Particular description of goods.—Cough Medicine.

Claims use since Dec. 5, 1922.

Ser. No. 180,370. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) MARIE MARTHE RICHARD VVE. GRENOVILLE, doing business as Parfumerie Grenoville, Asnieres, France. Filed May 9, 1923.

BEAU MASQUE

Particular description of goods.—Liquid Adhesive Toilet Powder.
Claims use since Oct. 8, 1922.

Ser. No. 180,384. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) ALBERT W. NIEDZIELSKI, Chicago, Ill. Filed May 9, 1923.

ALBERTA



The portrait shown in drawing is that of the applicant.
Particular description of goods.—Purgative Tea in Dry Form.
Claims use since Oct. 1, 1922.

Ser. No. 180,386. (CLASS 45. BEVERAGES, NON-ALCOHOLIC.) JOHN W. PALMER, doing business as The Nu-Pep Company, Chicago, Ill. Filed May 9, 1923.

NU-PEP

Particular description of goods.—Nonalcoholic, Maltless Beverages.
Claims use since Mar. 16, 1923.

Ser. No. 180,398. (CLASS 39. CLOTHING.) JOHN C. SHANNON, London, England. Filed May 9, 1923.

JOHNSHAN

Particular description of goods.—Men's, Youths', and Boys' Clothing, as Follows: Suits, Coats, Frock Coats, Overcoats, Raincoats, Topcoats, Sport Coats, Trousers, and Vests; Ladies' Clothing, as Follows: Overcoats, Topcoats, Frocks, Skirts, Dresses, Sport Coats, and Raincoats.
Claims use since Dec. 29, 1922.

Ser. No. 180,426. (CLASS 2. RECEPTACLES.) FIBRE SPECIALTY MFG. CO., Kennett Square, Pa.; Boston, Mass.; New York, N. Y.; Philadelphia, Pa.; St. Louis, Mo., and Chicago, Ill. Filed May 10, 1923.

Katchall

The word "Katchall," apart from the display shown on the drawing, is disclaimed for the purpose of this registration, without, however, waiving applicant's common-law rights to the trade-mark.
Particular description of goods.—Vulcanized-Fiber Containers of Various Sizes, with and without Covers, for Kitchen, Bathroom, Laundry, Library, and Other Uses.
Claims use since Apr 5, 1923.

Ser. No. 180,443. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) JOHN MISEWICZ, Charleroi, Pa. Filed May 10, 1923.

MISEWICZ
STILL
FOOT POWDER

No claim made to the words "Foot Powder."
Particular description of goods.—Foot Powder.
Claims use since Nov. 1, 1922.

Ser. No. 180,460. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) PETAR ZEBICH, doing business as Samson's Hair Tonic Company, Cleveland, Ohio. Filed May 10, 1923.



Trade-mark represents Samson slaying a lion.
Particular description of goods.—Hair Tonic.
Claims use since Aug. 20, 1922.

Ser. No. 180,482. (CLASS 38. PRINTS AND PUBLICATIONS.) J. W. MCCLURE, Cleveland, Ohio. Filed May 11, 1923.

PLAY

Particular description of goods.—A Weekly Periodical Magazine or Pamphlet.
Claims use since Nov. 27, 1922.

Ser. No. 180,508. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) STEVE A. D. SZIBER, New York, N. Y. Filed May 11, 1923.



No claim made to the words "Sugar Tablets." Trade-mark shown includes portrait of applicant and his surname.
Particular description of goods.—Medicine for Tuberculosis, Cough, Hoarseness, Short Breath, Blood Spitting, Weak Chest, Sweating at Night, Tiredness, and Prolongation of Life.
Claims use since Oct. 1, 1922.

Ser. No. 180,511. (CLASS 2. RECEPTACLES.) DAVID WEBER & CO., Philadelphia, Pa. Filed May 11, 1923.

PAKSAFE

Particular description of goods.—Corrugated Solid Fiber and Paper Boxes, Envelopes, Wrappers, Cases, and Corrugated Paperboard.
Claims use since January, 1895.

Ser. No. 180,541. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) WM. H. LUDEN INC., Reading, Pa. Filed May 12, 1923.

Krimpy Rolls

No claim is made to the word "Rolls" apart from the mark as shown in the drawing.
Particular description of goods.—Candy.
Claims use since Sept. 20, 1921.

Ser. No. 180,562. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) SUN OIL COMPANY, Philadelphia, Pa. Filed May 12, 1923.

SUNOCO

Particular description of goods.—Spraying Oil.
Claims use since on or about Apr. 1, 1923.

Ser. No. 180,605. (CLASS 13. HARDWARE AND PLUMBING AND STEAM-FITTING SUPPLIES.) JENKINS BROS. LIMITED, Montreal, Quebec, Canada. Filed May 14, 1923.

RELIANCE

Particular description of goods.—Globe and Gate Valves for Steam, Water, Brine, and Other Ordinary Liquids and Gases.
Claims use since Apr. 3, 1919.

Ser. No. 180,660. (CLASS 39. CLOTHING.) THE JOHN M. GIVEN COMPANY, New York, N. Y.; Chicago, Ill., and Pittsburgh, Pa. Filed May 15, 1923.



Coquette

Particular description of goods.—Hosiery.
Claims use since Aug. 12, 1922.

Ser. No. 180,680. (CLASS 39. CLOTHING.) AMBRIDGE KNITTING COMPANY, Ambridge and Pittsburgh, Pa. Filed May 16, 1923.

LUMINIT

Particular description of goods.—Hosiery.
Claims use since May 3, 1923.

Ser. No. 180,699. (CLASS 39. CLOTHING.) THE JOHN M. GIVEN COMPANY, New York, N. Y.; Chicago, Ill., and Pittsburgh, Pa. Filed May 16, 1923.

Coquette

Particular description of goods.—Hosiery.
Claims use since Aug. 12, 1922.

Ser. No. 180,718. (CLASS 13. HARDWARE AND PLUMBING AND STEAM-FITTING SUPPLIES.) FRED PABST COMPANY, Milwaukee, Wis. Filed May 16, 1923.



The lining expressing the color red. No claim is made to the word "Milwaukee" and the representation of the pipe nipple, apart from the mark as shown.
Particular description of goods.—Metal Pipe Nipples.
Claims use since May 4, 1923.

Ser. No. 180,727. (CLASS 16. PAINTS AND PAINTERS' MATERIALS.) WEST COAST KALSOMINE COMPANY, Berkeley, Calif. Filed May 16, 1923.



Particular description of goods.—Cold-Water Paints.
Claims use since March, 1923.

Ser. No. 180,729. (CLASS 16. PAINTS AND PAINTERS' MATERIALS.) WEST COAST KALSOMINE COMPANY, Berkeley, Calif. Filed May 16, 1923.



Particular description of goods.—Calcimine.
Claims use since January, 1912.

Ser. No. 180,731. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) ZINN CHEMICAL CO., Oakland, Calif. Filed May 16, 1923.



Particular description of goods.—Laxative Sirup; Horehound, Honey, and Tar Sirup; Blood Purifier, Oil for Rheumatism; Medicine for Headaches, Dizziness, Biliousness, Etc.; Tonic Bitters.
Claims use since March, 1922.

Ser. No. 180,E47. (CLASS 39. CLOTHING.) CAMPE-DAVIS-BLAIR CO. INC., New York, N. Y. Filed May 17, 1923.

Stalwart
BRAND

No claim is made to the word "Brand."
Particular description of goods.—Hosiery, Socks, and Stockings of Every Kind and Description and Knitted Underwear for Men, Women, and Children.
Claims use since Apr. 25, 1923.

Ser. No. 180,761. (CLASS 38. PRINTS AND PUBLICATIONS.) CHR. HANSEN'S LABORATORY, INC., Little Falls, N. Y. Filed May 17, 1923.

CHEESE-PRESS

Particular description of goods.—A House Organ Published Monthly.
Claims use since Jan. 5, 1923.

Ser. No. 180,871. (CLASS 39. CLOTHING.) MAGNUS IMPORTS, LTD., New York, N. Y. Filed May 19, 1923.

"Summermoor" Heather

Particular description of goods.—Men's Lounge Suits, Dress Suits, Dinner Suits, Sport Suits, Sack Suits, Walking Suits, Knickerbocker Trousers, Trousers, Topcoats, Overcoats, Ulsters, Dress Overcoats, Mackintoshes, Riding Clothes, Vests, Sweaters; Boys' Suits, Coats, Overcoats, Trousers, Riding Clothes, Sport Suits, Mackintoshes, Sweaters; Women's and Girls' Suits, Sport Suits, Dresses, Overcoats, Motor and Utility Coats, Skirts, Ulsters, Mackintoshes, Capes, and Sweaters.
Claims use since January, 1923.

Ser. No. 180,935. (CLASS 13. HARDWARE AND PLUMBING AND STEAM-FITTING SUPPLIES.) KEYSTONE STEEL & WIRE COMPANY, Bartonville, Peoria, Ill. Filed May 21, 1923.

Galvannealed

Particular description of goods.—Wire Fence and Barbed Wire.
Claims use since Apr. 10, 1923.

Ser. No. 180,981. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) T. KUSAKA, San Jose, Calif. Filed May 22, 1923.



AXILLUX

Particular description of goods.—Medicine for the Skin, a Liquid Applied Directly to the Skin for the Purpose of Destroying Body Odors Due to Perspiration.
Claims use since Mar. 26, 1923.

Ser. No. 180,982. (CLASS 39. CLOTHING.) MINCEY MANUFACTURING COMPANY, Gainesville, Ga. Filed May 22, 1923.



Applicant hereby makes no claim to the words "Long Bodied" and "Union Suit."
Particular description of goods.—Dress Shirts, Work Shirts; Underwear for Men, Women, and Children, of Knitted and Textile Fabrics.
Claims use since Mar. 19, 1923.

Ser. No. 180,991. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) VANITY FAIR COMPANY, Memphis, Tenn. Filed May 22, 1923.

MAYFAIR

Trade-mark "Mayfair."
Particular description of goods.—Face Cream, Face Powder, Lip Pencil, Rouge, Shampoo, Depilatory, Tooth Paste, Brilliantine, Talcum Powder, Nail Cake, Bandoline, Witch-Hazel Cream, Eyebrow Pencil, Toilet Water, Toilet Extracts, Perfume, Skin Lotions, and Sachet.
Claims use since about Jan. 1, 1920.

Ser. No. 181,028. (CLASS 44. DENTAL, MEDICAL, AND SURGICAL APPLIANCES.) H. D. JUSTI & SON, Philadelphia, Pa. Filed May 23, 1923.

TRI_PLANE

Particular description of goods.—Artificial Teeth.
Claims use since May 10, 1923.

Ser. No. 181,067. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) VAN B. FOSTER, doing business as Fred B. Foster & Company, Los Angeles, Calif. Filed May 24, 1923.



No claim is made to the representation of an oil derrick. The mark comprises an orange-colored top portion for an oil derrick, together with a letter "F" colored silver and arranged upon the top of the derrick. The shade lines in the drawing are intended to represent the color orange and the color silver.
Particular description of goods.—Oil Derricks.
Claims use since Nov. 1, 1922.

Ser. No. 181,068. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) ROMEO GAFFNEY, Coffeyville, Kans. Filed May 24, 1923.



Particular description of goods.—Blood, Liver, and System Tonic for the Treatment of Nerves, Kidneys, Bladder, Dropsy, Dyspepsia, Appendicitis, Diarrhea, and Muscular Rheumatism.
Claims use since 1913.

Ser. No. 181,088. (CLASS 13. HARDWARE AND PLUMBING AND STEAM-FITTING SUPPLIES.) ANNA MARY PRICE, New York, N. Y. Filed May 24, 1923.



Particular description of goods.—Sanitary Covers for Toilet Seats.
Claims use since Mar. 12, 1923.

Ser. No. 181,109. (CLASS 39. CLOTHING.) CAMPE CORPORATION, New York, N. Y. Filed May 25, 1923.



Particular description of goods.—Hosiery and Knitted Underwear.
Claims use since Apr. 12, 1923.

Ser. No. 181,110. (CLASS 13. HARDWARE AND PLUMBING AND STEAM-FITTING SUPPLIES.) C. F. CHURCH MANUFACTURING CO., Holyoke, Mass. Filed May 25, 1923.

sani-white

Particular description of goods.—Bathroom Fixtures, Particularly the Seats, Covers, and Hinges for the Seats and Covers of Toilets.
Claims use since Apr. 1, 1923.

Ser. No. 181,111. (CLASS 13. HARDWARE AND PLUMBING AND STEAM-FITTING SUPPLIES.) C. F. CHURCH MANUFACTURING CO., Holyoke, Mass. Filed May 25, 1923.

Church sani-white Seats

The word "Seats" is disclaimed apart from the mark as shown in the drawing.
Particular description of goods.—Bathroom Fixtures, Particularly Hinges for the Seats and Covers of Toilets.
Claims use since Apr. 1, 1923.

Ser. No. 181,119. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) S. W. HILL AND SONS, Morgantown, W. Va. Filed May 25, 1923.



No claim made to the exclusive right to the use of the word "Salve" apart from the mark shown in the drawing.
Particular description of goods.—Salve for External Application in the Treatment of Infections of the Skin, Such as Erysipelas, Eczema, Barber's Itch, and of Sores of Old Standing.
Claims use since Apr. 24, 1923.

Ser. No. 181,216. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) MARIO THOMAS PERROTTI, doing business as Perrotti Drug Company, Providence, R. I. Filed May 26, 1923.

TIP IT

Particular description of goods.—Preparation for the Treatment of Corns.
Claims use since June, 1922.

Ser. No. 181,237. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) A. P. BABCOCK CO., New York, N. Y. Filed May 28, 1923.

CAMILLE

Particular description of goods.—Cold Cream, Face Cream, Vanishing Cream, Cleansing Cream, Perfume, Sachets, Bath Salts, Cream Balms for Use as a Hand Lotion, Colognes, Rouge, Toilet Water, Talcum Powder, Face Powder, Astringent, Skin Lotion for Hands and Face, and Skin Tonic.
Claims use since Apr. 16, 1923.

Ser. No. 181,271. (CLASS 39. CLOTHING.) FRIEDMAN BROS. & SONS NECKWEAR CO. INC., New York, N. Y. Filed May 28, 1923.

SLIM-JIM TIES

No claim is made to the word "Ties" apart from the mark shown on the drawing.
Particular description of goods.—Ties, Cravats, Four-in-Hand Ties, and Bow Ties.
Claims use since 1911.

Ser. No. 181,282. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) FRED I. JADEN, doing business as F. Jaden Manufacturing Co., Hastings, Nebr. Filed May 28, 1923.

GOLDEN ROD

Particular description of goods.—Tire Pumps, Slip-On Connections for Tire Pumps, and Air Chucks.
Claims use since May 1, 1914.

Ser. No. 181,311. (CLASS 39. CLOTHING.) POLLOK-SCHULTZ-BOYD COMPANY, Los Angeles, Calif. Filed May 28, 1923.



Pelican

Particular description of goods.—Men's Pants and Breeches; Boys' Pants, Breeches, and Knickers; Dress, Negligee, and Work Shirts; Men's and Boys' Suits and Overcoats, Men's and Women's Knitted and Textile Underwear and Hosiery; Women's Coats, Suits, and Dresses.
Claims use since Jan. 12, 1923.

Ser. No. 181,355. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) SOCIETE ANONYME POUR L'EXPANSION DES MARQUES DE FABRIQUE ET DE COMMERCE, Courbevoie, France. Filed May 29, 1923.

TREPOSAN

Particular description of goods.—Preparation for Syphilis, Tabes, and General Paralysis.
Claims use since Jan. 1, 1923.

Ser. No. 181,371. (CLASS 13. HARDWARE AND PLUMBING AND STEAM-FITTING SUPPLIES.) ANTHONY BENNETT ALDRICH, Washington, D. C. Filed May 31, 1923.

JIFFY

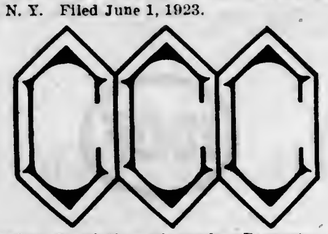
Particular description of goods.—License-Tag Fasteners for Automobiles and the Like.
Claims use since Apr. 27, 1923.

Ser. No. 181,424. (CLASS 39. CLOTHING.) THE STANDARD KNITTING MILLS, Los Angeles, Calif. Filed May 31, 1923.



The words "Trade-Mark" and the word "Knit" are disclaimed apart from the mark shown in the drawing.
Particular description of goods.—Knitted Sweaters, Knitted Bathing Suits, Knitted Tie-On Sweaters, Knitted Scarfs, Knitted Caps for Ladies and Men, Knitted Jackets, Knitted Slip-Ons, and Knitted Dresses for Girls and Women.
Claims use since May 7, 1923.

Ser. No. 181,435. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) THE COMMONWEALTH CHEMICAL CORPORATION, New York, N. Y. Filed June 1, 1923.



Particular description of goods.—Benzoate of Soda, Coumarin, Benzoic Acid, and Benzaldehyde.
Claims use since January, 1922.

Ser. No. 181,455. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) SCIENTOL PRODUCTS CO., Brooklyn, N. Y. Filed June 1, 1923.

SCIENTOL

Particular description of goods.—Hair Tonic.
Claims use since about February, 1923.

Ser. No. 181,474. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) BURTON R. CHARLES, Los Angeles, Calif. Filed June 2, 1923.

RADIUMILK

Particular description of goods.—Preparation for Energizing Circulatory and Nervous Systems of the Human Body.
Claims use since Jan. 10, 1923.

Ser. No. 181,486. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) GYPSY DYES, INC., Chicago, Ill. Filed June 2, 1923.

Gypsy

Particular description of goods.—Dyes.
Claims use since Jan. 10, 1923.

Ser. No. 181,533. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) MARINELLO COMPANY, La Crosse, Wis. Filed June 4, 1923.

SKINGLO

Particular description of goods.—Bleaching Paste for Whitening Face, Neck, Arms, and Hands.
Claims use since about Apr. 30, 1923.

Ser. No. 181,596. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) JACOB HERTZ, doing business as Hertz & Co., London, England. Filed June 6, 1923.

IDOF

Particular description of goods.—Insect-Destroying Preparations.
Claims use since Jan. 3, 1923.

Ser. No. 181,601. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) FREDERICK W. KELLEY, Glenwood, Iowa. Filed June 6, 1923.

Blue Wonder

Particular description of goods.—Medicinal Preparation Used in the Treatment of Galls, Sores, and All Kinds of Surface Cuts and Abrasions on Horses.
Claims use since Apr. 1, 1910.

Ser. No. 181,606. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) JOHN OPPIE MCCALL, doing business as The Odontex Company, Buffalo, N. Y. Filed June 6, 1923.

ODONTEX

Particular description of goods.—Tooth Powder, Tooth Paste, and Mouth Wash.
Claims use since Apr. 27, 1923.

Ser. No. 181,612. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) PARKE, DAVIS & COMPANY, Detroit, Mich. Filed June 6, 1923.

PROPOSOTE

Particular description of goods.—Medicine for Whooping Cough, Bronchitis, Tuberculosis, and Kindred Ailments.
Claims use since July 27, 1911.

Ser. No. 181,642. (CLASS 39. CLOTHING.) LIND SHOE AND SLIPPER COMPANY, Worcester, Mass. Filed June 7, 1923.

Wooly Hug

Particular description of goods.—Felt, Canvas, Silk, and Leather Slippers.
Claims use since May 25, 1923.

Ser. No. 181,705. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) SOCIETE ANONYME DENTIFRICES BI-OXYNE, Paris, France. Filed June 8, 1923.

BI-OXYNE

Particular description of goods.—Dentifrices and Products Used for the Hygiene of the Mouth.
Claims use since Mar. 1, 1911.

Ser. No. 181,730. (CLASS 38. PRINTS AND PUBLICATIONS.) THE COLLEGIATE WORLD PUBLISHING COMPANY, Chicago, Ill. Filed June 9, 1923.

College Humor

Particular description of goods.—Quarterly Magazine.
Claims use since November, 1921.

Ser. No. 181,745. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) HAAS, BARUCH & CO., Los Angeles, Calif. Filed June 9, 1923.

NEPTUNE

Particular description of goods.—Table Salt.
Claims use since May 3, 1923.

Ser. No. 181,760. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) MASOL CHEMICAL CO., Chicago, Ill. Filed June 9, 1923.

Masol

Particular description of goods.—Toilet Preparations—Namely, Tooth Paste, Mouth Wash, and a Preparation for the Prevention and Treatment of Pyorrhea.
Claims use since Apr. 1, 1921.

Ser. No. 181,766. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) NATIONAL RADIUM CO., Los Angeles, Calif. Filed June 9, 1923.

Radisol

Particular description of goods.—Liquid Medicinal Compound Used for the Treatment of Rheumatism, Neuralgia, Sciatica, Neuritis, Diabetes, Nephritis, Stomach Troubles, High Blood Pressure, Hardening of the Arteries, Bladder and Kidney Troubles, Anæmia, Debility, and Affections of the Nerves and the Circulatory System.
Claims use since April, 1922.

Ser. No. 181,767. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) NOLYEC LABORATORIES, Chicago, Ill. Filed June 9, 1923.

MILK-OF-MOSS

Particular description of goods.—Emulsion Used in Treating Constipation.
Claims use since May 10, 1923.

Ser. No. 181,769. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) NOLYEC LABORATORIES, Chicago, Ill. Filed June 9, 1923.

POCO ROCK

Particular description of goods.—Emulsion Used in Treating Constipation.
Claims use since May 10, 1923.

Ser. No. 181,922. (CLASS 13. HARDWARE AND PLUMBING AND STEAM-FITTING SUPPLIES.) THE TURNER & SEYMOUR MANUFACTURING CO., Torrington, Conn. Filed June 12, 1923.

Pussyfeet

Particular description of goods.—Furniture Slides.
Claims use since Apr. 21, 1923.

Ser. No. 181,958. (CLASS 39. CLOTHING.) THOMAS G. PLANT COMPANY, Boston, Mass. Filed June 13, 1923.

Queentex

Particular description of goods.—Hosiery.
Claims use since September, 1921.

Ser. No. 181,973. (CLASS 39. CLOTHING.) WILLIAM H. BEARMAN, Baltimore, Md. Filed June 14, 1923.

HOSIERY SEVERN MILLS

No exclusive claim is made to words "Hosiery" and "Mills" apart from the mark shown.
Particular description of goods.—Men's, Women's, and Children's Hosiery.
Claims use since Feb. 6, 1923.

Ser. No. 182,000. (CLASS 39. CLOTHING.) MELVILLE SHOE CORPORATION, New York, N. Y. Filed June 14, 1923.

Thorny Grip

Particular description of goods.—Leather Shoes.
Claims use since May 15, 1923.

Ser. No. 182,031. (CLASS 15. OILS AND GREASES.) FRANKLIN M. ZIMMERMAN, Pittsburgh, Pa. Filed June 14, 1923.

Z 4

Particular description of goods.—Lubricating Oils.
Claims use since June 1, 1923.

Ser. No. 182,088. (CLASS 13. HARDWARE AND PLUMBING AND STEAM-FITTING SUPPLIES.) G. M. DAVIS REGULATOR COMPANY, Chicago, Ill. Filed June 16, 1923. Under ten-year proviso.

DAVIS

Particular description of goods.—Pressure-Reducing, Back-Pressure, Balance, Float, and Fluid-Control Valves; Float Boxes; Condensation, Return, and Pump Governors; Emergency Stop, Nonreturn Stop, Exhaust Relief, Balance Relief Valves, and Float Regulators.
Claims use since 1875.

Ser. No. 182,205. (CLASS 16. PAINTS AND PAINTERS' MATERIALS.) RALPH D. FREEMAN, doing business as The Savol Co., Cleveland, Ohio. Filed June 19, 1923.

SAVOL

Particular description of goods.—Enamel Finish.
Claims use since June 12, 1923.

Ser. No. 182,218. (CLASS 38. PRINTS AND PUBLICATIONS.) NATIONAL FEDERATION OF UNCLE SAM'S VOTERS, Washington, D. C. Filed June 19, 1923.

PUBLIC AFFAIRS

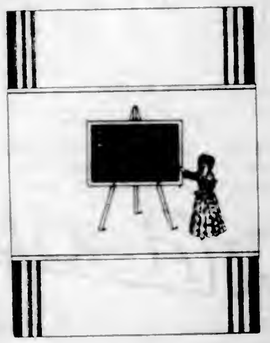
Particular description of goods.—A Monthly Publication.
Claims use since May 15, 1923.

Ser. No. 182,221. (CLASS 37. PAPER AND STATIONERY.) THE PAPYRUS COMPANY, Kenilworth, N. J. Filed June 19, 1923.

SILKREPE

Particular description of goods.—Crêpe Paper.
Claims use since Aug. 23, 1920.

Ser. No. 182,249. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) OSCAR LION, doing business as Lion and Company, New York, N. Y. Filed June 20, 1923.



Trade-mark consists of the word "Blackboard" printed in white upon the representation of a blackboard supported on an easel, and the representation of a Colonial girl pointing to the blackboard with a pointer, all arranged upon a band embracing the board upon which the goods are wound, said board representing a black edge beyond the selvage of the goods.
Particular description of goods.—Silk and Cotton Ribbons in the Piece.
Claims use since Apr. 5, 1923.

Ser. No. 182,256. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) NEW ENGLAND CONFECTIONERY COMPANY, Boston, Mass. Filed June 20, 1923.

Wah-Hoo-Wah

Trade-mark "Wah-Hoo-Wah."
Particular description of goods.—Candy.
Claims use since June 1, 1923.

Ser. No. 182,279. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) ABRAHAM & STRAUS, INC., New York, N. Y. Filed June 21, 1923.

BEECHWOOD

Particular description of goods.—Sheets and Pillowcases.
Claims use since May 15, 1923.

Ser. No. 182,324. (CLASS 2. RECEPTACLES.) WELDFAST SYSTEM, INC., Salem, Mass. Filed June 21, 1923.

WELDFAST

The trade-mark consists of the word "Weldfast."
Particular description of goods.—Cartons and Boards Made of Pasteboard, Fiber Board, or the Like.
Claims use since Mar. 10, 1923.

Ser. No. 182,327. (CLASS 3. BAGGAGE, HORSE EQUIPMENTS, PORTFOLIOS, AND POCKETBOOKS.) BONA ALLEN, INC., Buford, Ga. Filed June 22, 1923.

LATIGOTAN

Particular description of goods.—Horse Collars, Harness, and Harness Parts.
Claims use since June 9, 1923.

Ser. No. 182,343. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) HAAS BROTHERS FABRICS CORPORATION, New York, N. Y. Filed June 22, 1923.

Charmalane

Trade-mark "Charmalane."
Particular description of goods.—Silk, Artificial-Silk, Cotton, Linen, Linen and Woolen Piece Goods.
Claims use since May 31, 1923.

Ser. No. 182,347. (CLASS 38. PRINTS AND PUBLICATIONS.) JABURG BROS., INC., New York, N. Y. Filed June 22, 1923.

GOOD NEWS

Particular description of goods.—Periodical Issued Monthly.
Claims use since 1904.

Ser. No. 182,355. (CLASS 1. RAW OR PARTLY-PREPARED MATERIALS.) MONTEVALLO MINING COMPANY, Birmingham, Ala. Filed June 22, 1923.

MONTEVALLO

Particular description of goods.—Coal.
Claims use since approximately 1870.

Ser. No. 182,360. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) SCHOONMAKER BROS. & COMPANY, INC., New York, N. Y. Filed June 22, 1923.



No claim made to the exclusive use of the word "Silk" apart from the mark as shown in the drawing.
Particular description of goods.—Silk Fabrics in the Piece.
Claims use since Jan. 1, 1916.

Ser. No. 182,498. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) THE CATAWBA CANDY CO., Sandusky, Ohio. Filed June 27, 1923.

B I N G O

Particular description of goods.—Candy.
Claims use since Jan. 21, 1914.

Ser. No. 182,542. (CLASS 21. ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES.) MARY W. JOHNSON, doing business as The Johnson Electric Mfg. Co., Warren, R. I. Filed June 28, 1923.

JOHNSONLET

Particular description of goods.—Fittings for Electric Conduits, Comprising End Fittings, Elbow Fittings, T-Fittings, Coupling Fittings, and Junction Boxes.
Claims use since Apr. 25, 1920.

Ser. No. 182,610. (CLASS 38. PRINTS AND PUBLICATIONS.) REPUBLICAN WOMEN OF PENNSYLVANIA, INCORPORATED, Philadelphia, Pa. Filed June 29, 1923.

The Republican Woman

Particular description of goods.—Periodical Published at Monthly Intervals.
Claims use since Mar. 1, 1923.

Ser. No. 182,639. (CLASS 21. ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES.) THE APEX ELECTRICAL MANUFACTURING COMPANY, Cleveland, Ohio. Filed June 30, 1923.

Apex

Particular description of goods.—Electrical Cooking Apparatus.
Claims use since June 13, 1923.

Ser. No. 182,640. (CLASS 21. ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES.) THE APEX ELECTRICAL MANUFACTURING COMPANY, Cleveland, Ohio. Filed June 30, 1923.

Apex

Kook-Rite

Particular description of goods.—Electrical Cooking Apparatus.
Claims use since June 13, 1923.

Ser. No. 182,641. (CLASS 21. ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES.) THE APEX ELECTRICAL MANUFACTURING COMPANY, Cleveland, Ohio. Filed June 30, 1923.

ROTAREX

Particular description of goods.—Electrical Cooking Apparatus.
Claims use since June 13, 1923.

Ser. No. 182,742. (CLASS 21. ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES.) FARMELECTRIC UTILITIES CORPORATION, Woodberry, Baltimore, Md. Filed July 3, 1923.

FARMELECTRIC

Particular description of goods.—Individual Lighting Plants.
Claims use since May, 1922.

Ser. No. 182,823. (CLASS 21. ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES.) MARY W. JOHNSON, doing business as The Johnson Electric Mfg. Co., Warren, R. I. Filed July 5, 1923.

BX-O-LET

Particular description of goods.—Fittings for Electric Conduits, Comprising End Fittings, Elbow Fittings, T-Fittings, Coupling Fittings, and Junction Boxes.
Claims use since Apr. 25, 1920.

Ser. No. 182,824. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) WILLIAM L. KANN, Pittsburgh, Pa. Filed July 5, 1923.

KWATTA

Particular description of goods.—Oranges, Bananas, Mangoes, Avocados, Limes, and Pineapples, Both Candied, Preserved, and Raw; Dried Fruits, Dehydrated and Canned Vegetables, Fruit Jam, Fruit Jellies, and Fruit Preserves, Powdered Fruits, and Dehydrated Fruits.
Claims use since July, 1920.

Ser. No. 182,845. (CLASS 21. ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES.) THE YOUNGSTOWN SHEET AND TUBE COMPANY, Youngstown, Ohio. Filed July 5, 1923.

BUCKEYE

Particular description of goods.—Electric Wiring.
Claims use since August, 1912.

Ser. No. 182,853. (CLASS 38. PRINTS AND PUBLICATIONS.) FAIRCHILD COMPANY, Chicago, Ill. Filed July 6, 1923.

Merchaneer

Particular description of goods.—Magazine Article.
Claims use since Apr. 6, 1921.

Ser. No. 182,906. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) HARTWELL BROTHERS, Memphis and Hollywood Station, Memphis, Tenn. Filed July 7, 1923. Under ten-year proviso.

HARTWELL

Particular description of goods.—Ax, Adze, Pick, Sledge, Maul, Hammer, and Hatchet and Railroad and Mining Tool Handles.
Claims use since January, 1865.

Ser. No. 182,907. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) HARTWELL BROTHERS, Memphis and Hollywood Station, Memphis, Tenn. Filed July 7, 1923.

•THE CHIEFTAIN•

Particular description of goods.—Ax, Adze, Pick, Sledge, Maul, Hammer, and Hatchet and Railroad and Mining Tool Handles.
Claims use since July 1, 1904.

Ser. No. 182,909. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) HARTWELL BROTHERS, Memphis and Hollywood Station, Memphis, Tenn. Filed July 7, 1923.

• NABOB •

Particular description of goods.—Ax, Adze, Pick, Sledge, Maul, Hammer, Hatchet, and Railroad and Mining Tool Handles.
Claims use since July 1, 1904.

Ser. No. 182,910. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) HARTWELL BROTHERS, Memphis and Hollywood Station, Memphis, Tenn. Filed July 7, 1923.

HONEST ABE

Particular description of goods.—Ax, Adze, Pick, Sledge, Maul, Hammer, Hatchet, and Railroad and Mining Tool Handles.
Claims use since July 1, 1904.

Ser. No. 182,911. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) HARTWELL BROTHERS, Memphis and Hollywood Station, Memphis, Tenn. Filed July 7, 1923.

OLD HICKORY

Particular description of goods.—Ax, Adze, Pick, Sledge, Maul, Hammer, Hatchet, and Railroad and Mining Tool Handles.
Claims use since July 1, 1904.

Ser. No. 182,912. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) HARTWELL BROTHERS, Memphis and Hollywood Station, Memphis, Tenn. Filed July 7, 1923.

BUCKEYE

Particular description of goods.—Ax, Adze, Pick, Sledge, Maul, Hammer, Hatchet, and Railroad and Mining Tool Handles.
Claims use since July 1, 1904.

Ser. No. 182,913. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) HARTWELL BROTHERS, Memphis and Hollywood Station, Memphis, Tenn. Filed July 7, 1923.

JEWEL

Particular description of goods.—Ax, Adze, Pick, Sledge, Maul, Hammer, Hatchet, and Railroad and Mining Tool Handles.
Claims use since July 1, 1904.

Ser. No. 182,915. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) HARTWELL BROTHERS, Memphis and Hollywood Station, Memphis, Tenn. Filed July 7, 1923.

GEM

Particular description of goods.—Ax, Adze, Pick, Sledge, Maul, Hammer, Hatchet, and Railroad and Mining Tool Handles.
Claims use since July 1, 1904.

Ser. No. 182,916. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) JENSEN & SONS, Watsonville and Corralitos, Calif. Filed July 7, 1923.

SUNRISE

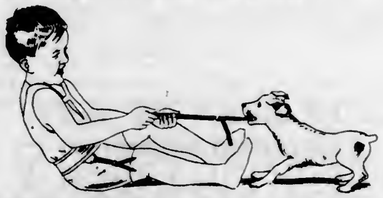
Particular description of goods.—Fresh Apples.
Claims use since Dec. 1, 1922.

Ser. No. 182,928. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) J. C. PALUMBO, Payette, Idaho. Filed July 7, 1923.

La Paluma

Particular description of goods.—Fresh Apples.
Claims use since Nov. 1, 1922.

Ser. No. 183,002. (CLASS 44. DENTAL, MEDICAL, AND SURGICAL APPLIANCES.) A. STEIN & COMPANY, Chicago, Ill. Filed July 9, 1923.



Particular description of goods.—Sanitary Aprons and Sanitary Belts.
Claims use since July 1, 1912.

Ser. No. 183,041. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) NATIONAL LICORICE COMPANY, Brooklyn, N. Y. Filed July 10, 1923.

TONGUE TWISTERS

Particular description of goods.—Licorice Candy.
Claims use since April, 1923.

Ser. No. 183,053. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) W. C. COOK & Co., Clovis, Calif. Filed July 11, 1923.

"THE FIG WITH A SWEET HEART"

Particular description of goods.—Stuffed Figs.
Claims use since June 1, 1923.

Ser. No. 183,054. (CLASS 16. PAINTS AND PAINTERS' MATERIALS.) THE DAVEY TREE EXPERT COMPANY, Kent, Ohio. Filed July 11, 1923.



The portrait shown in the drawing is that of John Davey, president of the Davey Tree Expert Company.
Particular description of goods.—Wood-Preserving Paints and Shellac.
Claims use since Mar. 12, 1923.

Ser. No. 183,058. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) GEIGER CANDY COMPANY, Indianapolis, Ind. Filed July 11, 1923.

TATTLE TALE

Particular description of goods.—Candy.
Claims use since Apr. 19, 1921.

Ser. No. 183,060. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) GEIGER CANDY COMPANY, Indianapolis, Ind. Filed July 11, 1923.

CRAV-EM

Particular description of goods.—Candy.
Claims use since Nov. 29, 1919.

Ser. No. 183,061. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) GEIGER CANDY COMPANY, Indianapolis, Ind. Filed July 11, 1923.

OVERSIZE

Particular description of goods.—Candy.
Claims use since Dec. 10, 1921.

Ser. No. 183,062. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) GEIGER CANDY COMPANY, Indianapolis, Ind. Filed July 11, 1923.

SMILIN THROUGH

Particular description of goods.—Candy.
Claims use since Mar. 1, 1923.

Ser. No. 183,124. (CLASS 44. DENTAL, MEDICAL, AND SURGICAL APPLIANCES.) WILLIAM SAKLAD, Boston, Mass. Filed July 12, 1923.

DR. SAKLAD'S ROL-A-FOOT

Particular description of goods.—Foot-Massaging Devices.
Claims use since Mar. 21, 1923.

Ser. No. 183,145. (CLASS 20. LINOLEUM AND OILED CLOTH.) T. R. GOODLATTE & SONS, (INC.), Delawanna, Clifton, N. J. Filed July 13, 1923.

GOODLATTE BLUE BAND OILCLOTH MADE IN AMERICA

No claim is made to the words "Oilcloth" and "Made in America" apart from the trade-mark shown; but applicant does not waive any common-law rights that have accrued or that hereafter may accrue by the use of said words.
Particular description of goods.—Oilcloth.
Claims use since about June 15, 1923.

Ser. No. 183,155. (CLASS 12. CONSTRUCTION MATERIALS.) JOHNS-MANVILLE, INCORPORATED, New York, N. Y. Filed July 13, 1923.



No claim is made to the representation of the goods thereon appearing.
Particular description of goods.—Pipe Covering.
Claims use since May 3, 1923.

Ser. No. 183,213. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) HOOD RIVER APPLE VINEGAR CO., Hood River, Oreg. Filed July 14, 1923.

Mountain Maid

Particular description of goods.—Fruit Pectin.
Claims use since May 11, 1923.

Ser. No. 183,216. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) KOCKOS BROS., INC., San Francisco, Calif. Filed July 14, 1923.

MAID-RITE

Particular description of goods.—Canned Fruits, Canned Vegetables, and Canned Fish.
Claims use since June 12, 1923.

Ser. No. 183,217. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) KOCKOS BROS., INC., San Francisco, Calif. Filed July 14, 1923.

TITLE

Particular description of goods.—Canned Fruits, Canned Vegetables, and Canned Fish.
Claims use since June 12, 1923.

Ser. No. 183,226. (CLASS 16. PAINTS AND PAINTERS' MATERIALS.) JOSEPH PALISE, doing business as Champion Specialties Co., Brooklyn, N. Y. Filed July 14, 1923.

JP CHAMPION

Particular description of goods.—Liquid Polish for Painted, Lacquered, and Veneered Surfaces and Shellac.
Claims use since January, 1922.

Ser. No. 183,258. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) DORGAN-MCPHILLIPS SALES CO. INC., Mobile, Ala. Filed July 16, 1923.

GULF KIST

Particular description of goods.—Canned Shrimp.
Claims use since Mar. 22, 1923.

Ser. No. 183,308. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) WM. H. LUDEN INC., Reading, Pa. Filed July 16, 1923.

YES, WE HAVE NO BANANAS

Particular description of goods.—Marshmallow Candies.
Claims use since May 1, 1923.

Ser. No. 183,317. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) CHARLES J. ROSSO, Duluth, Minn. Filed July 16, 1923.

SIX-UP

Particular description of goods.—Candy.
Claims use since Nov. 1, 1922.

Ser. No. 183,355. (CLASS 44. DENTAL, MEDICAL, AND SURGICAL APPLIANCES.) BAUER & BLACK, Chicago, Ill. Filed July 18, 1923.

Lakeside

Particular description of goods.—Gauze and Absorbent Cotton.
Claims use since January, 1903.

Ser. No. 183,371. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) FRAZAR & COMPANY, San Francisco, Calif. Filed July 18, 1923.

CARAVEL

Particular description of goods.—Canned Fruits and Vegetables.
Claims use since June 15, 1923.

Ser. No. 183,390. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) THE MARS GRAND RUG CO., Pawtucket, R. I. Filed July 18, 1923.

LIGHTNIN'

Particular description of goods.—Rugs, Carpets, and Other Textile Floor Coverings.
Claims use since Oct. 1, 1921.

Ser. No. 183,446. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) HARRY CHARLES EICHHOLD, doing business as Eichhold & Company, New York, N. Y. Filed July 19, 1923.

KIDDIES KREATION KERCHIEFS

Particular description of goods.—Handkerchiefs.
Claims use since June 26, 1923.

Ser. No. 183,538. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) PANGBURN COMPANY, also doing business as Pangburn's, Fort Worth, Tex. Filed July 21, 1923.

OOWAH

Particular description of goods.—Candy.
Claims use since Jan. 1, 1923.

Ser. No. 183,565. (CLASS 16. PAINTS AND PAINTERS' MATERIALS.) WILLIAM B. FRANKLIN, doing business as Franklin Mfg. Co., Princeton, Ind. Filed July 23, 1923.



Particular description of goods.—Cleaner, Polisher, Renovator, Disinfector for Varnish, Paint, and Enamel.
Claims use since May, 1923.

Ser. No. 183,580. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) KAUFMANN MANDELL, Casa Grande, Ariz. Filed July 23, 1923.

Twofer's

Particular description of goods.—Handkerchiefs.
Claims use since Jan. 1, 1920.

Ser. No. 183,588. (CLASS 16. PAINTS AND PAINTERS' MATERIALS.) THE PARAFFINE COMPANIES, INC., San Francisco, Calif. Filed July 23, 1923.

PARA-FLAT

Particular description of goods.—Flat Undercoat Paint for Interior Work.
Claims use since Feb. 1, 1923.

Ser. No. 183,591. (CLASS 16. PAINTS AND PAINTERS' MATERIALS.) THE PARAFFINE COMPANIES, INC., San Francisco, Calif. Filed July 23, 1923.

PARA-TONE

Particular description of goods.—Flat Undercoat Paint for Interior Work.
Claims use since Feb. 1, 1923.

Ser. No. 183,596. (CLASS 16. PAINTS AND PAINTERS' MATERIALS. REGULATION PAINT CO., Louisville, Ky. Filed July 23, 1923.

CAMP

Particular description of goods.—Ready-Mixed Paints.
Claims use since May, 1921.

Ser. No. 183,597. (CLASS 16. PAINTS AND PAINTERS' MATERIALS. REGULATION PAINT CO., Louisville, Ky. Filed July 23, 1923.

GREEN LABEL

Particular description of goods.—Ready-Mixed Paints.
Claims use since May, 1921.

Ser. No. 183,655. (CLASS 13. HARDWARE AND PLUMBING AND STEAM-FITTING SUPPLIES.) KEYSTONE STEEL & WIRE COMPANY, Bartonville, Peoria, Ill. Filed July 25, 1923.



No claim made to the words "The Triple Life Wire" apart from the mark shown.
Particular description of goods.—Wire Fence and Barbed Wire.
Claims use since Apr. 10, 1923.

Ser. No. 183,681. (CLASS 15. OILS AND GREASES.) WEST INDIA OIL COMPANY, Bayonne, N. J. Filed July 25, 1923.

WICO

Particular description of goods.—Refined, Semirefined, and Unrefined Oils Made from Petroleum Both with and without Admixture of Animal, Vegetable, or Mineral Oils, for Illuminating, Burning, Power, Fuel, and Lubricating Purposes, Greases, and Candles.
Claims use since Feb. 9, 1912.

Ser. No. 183,738. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) HAAS BROTHERS FABRICS CORPORATION, New York, N. Y. Filed July 27, 1923.

BASQUETINE

Particular description of goods.—Silk, Artificial-Silk, Cotton, Linen, and Woolen Piece Goods.
Claims use since Oct. 24, 1922.

Ser. No. 183,740. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) HAAS BROTHERS FABRICS CORPORATION, New York, N. Y. Filed July 27, 1923.

MANTONA

Particular description of goods.—Silk, Artificial-Silk, Cotton, Linen, and Woolen Piece Goods.
Claims use since Oct. 25, 1922.

Ser. No. 183,741. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) HAAS BROTHERS FABRICS CORPORATION, New York, N. Y. Filed July 27, 1923.

KARZAN

Particular description of goods.—Silk, Artificial-Silk, Cotton, Linen, and Woolen Piece Goods and Piece Goods Simulating Fur.
Claims use since June 13, 1922.

Ser. No. 183,742. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) HAAS BROTHERS FABRICS CORPORATION, New York, N. Y. Filed July 27, 1923.

TA-BOUCHE

Particular description of goods.—Silk, Artificial-Silk, Cotton, Linen, and Woolen Piece Goods.
Claims use since Jan. 20, 1923.

Ser. No. 183,747. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) KELSEY TEXTILE CORPORATION, New York, N. Y. Filed July 27, 1923.



Particular description of goods.—Cotton Piece Goods.
Claims use since Feb. 27, 1918.

Ser. No. 183,748. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) KELSEY TEXTILE CORPORATION, New York, N. Y. Filed July 27, 1923.



Particular description of goods.—Cotton Piece Goods.
Claims use since June 22, 1915.

Ser. No. 183,749. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) KELSEY TEXTILE CORPORATION, New York, N. Y. Filed July 27, 1923.



Particular description of goods.—Cotton Piece Goods.
Claims use since December, 1915.

Ser. No. 183,782. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) WALLACE & TIERNAN PANDO CO., INC., Belleville, N. J. Filed July 27, 1923.

PANDO

Particular description of goods.—Food Shortening.
Claims use since November, 1921.

Ser. No. 183,786. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) WILTON MANUFACTURING COMPANY, INC., New York, N. Y. Filed July 27, 1923.



Particular description of goods.—Cotton Piece Goods.
Claims use since Sept. 15, 1916.

Ser. No. 183,787. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) WILTON MANUFACTURING COMPANY, INC., New York, N. Y. Filed July 27, 1923.



Particular description of goods.—Cotton Piece Goods.
Claims use since May, 1916.

Ser. No. 183,812. (CLASS 15. OILS AND GREASES.) THE ATLANTIC REFINING COMPANY, Philadelphia, Pa. Filed July 30, 1923.

POLAREX

Particular description of goods.—Black Oils, Compounded Oils, Crude Oils, Cutting Oils, Cylinder Oils, Dynamo Oils, Engine Oils, Fuel Oils, Gas Oils, Heating Oils, Illuminating Oils, Journal Oils, Kerosene Oils, Lubricating Oils, Motor Oils, Neutral Oils, Paraffin Oils, Road Oils, Roofing Oils, Standard-White Illuminating Oils, Transformer Oils, Transmission Oils, Turbine Oils, Water-White Illuminating Oils, Spindle Oils, Axle Greases, Black Greases, Gear Greases, Lubricating Greases, Petroleum Greases, Transmission Greases, Candles, Gasolines, Naphthas, Paraffin Wax, and Rust Preventive in the Nature of Oils and Greases.
Claims use since on or about June 2, 1923.

Ser. No. 184,048. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) ALBERS COMPANY, INCORPORATED, Richmond, Va. Filed Aug. 4, 1923.



Trade-mark consists of a numeral "7," displayed with a group of seven pine trees, associated with the words "Seven Pines."
Particular description of goods.—Cough Sirup.
Claims use since July 1, 1923.

Ser. No. 184,412. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) RUBY E. MARETT, New York, N. Y. Filed Aug. 13, 1923.

Ma-Ra

Particular description of goods.—Nonalcoholic, Maltless Beverages and Fruit Sirups, Extracts, and Flavorings for the Same.
Claims use since Aug. 11, 1923.

Ser. No. 184,730. (CLASS 14. METALS AND METAL CASTINGS AND FORGINGS.) KEYSTONE STEEL & WIRE COMPANY, Bartonville, Peoria, Ill. Filed Aug. 20, 1923.

Galvannealed

Particular description of goods.—Plain Galvanized Wire and Galvanized Telephone Wire.
Claims use since Apr. 16, 1923.

Ser. No. 184,731. (CLASS 14. METALS AND METAL CASTINGS AND FORGINGS.) KEYSTONE STEEL AND WIRE COMPANY, Bartonville, Peoria, Ill. Filed Aug. 20, 1923.



No claim made to the words "The Triple-Life Wire" apart from the mark shown.
Particular description of goods.—Plain Galvanized Wire and Galvanized Telephone Wire.
Claims use since Apr. 16, 1923

TRADE-MARK REGISTRATIONS GRANTED

[ACT OF FEBRUARY 20, 1905.]

SEPTEMBER 18, 1923.

173,089. CANNED FRUIT AND VEGETABLES AND DRIED FRUIT. BARRON-GRAY PACKING CO., San Jose, Calif.
Filed March 22, 1923. Serial No. 177,819. PUBLISHED JUNE 12, 1923.

173,090. EDIBLE OILS, COTTONSEED OILS, AND VEGETABLE OILS. THE AMERICAN COTTON OIL COMPANY, New York, N. Y.
Filed March 22, 1923. Serial No. 177,812. PUBLISHED JUNE 12, 1923.

173,091. PORTLAND CEMENT. NEBRASKA CEMENT COMPANY, Omaha, Nebr., and Denver, Colo.
Filed March 19, 1923. Serial No. 177,687. PUBLISHED JUNE 12, 1923.

173,092. RAILROAD-CAR ROOF. HUTCHINS CAR ROOFING COMPANY, Detroit, Mich.
Filed March 19, 1923. Serial No. 177,669. PUBLISHED JUNE 12, 1923.

173,093. METAL MATERIAL FOR PORTABLE BUILDINGS AND METAL FOR DOORS AND LOCKS. LORENZO S. FROST, doing busoiness as L. S. Frost, Cambridge, Mass.
Filed March 19, 1923. Serial No. 177,665. PUBLISHED JUNE 12, 1923.

173,094. TOILET PREPARATIONS. SADIE HOLWAY, doing business as Columbia Ave. Beauty Parlor, Philadelphia, Pa.
Filed March 12, 1923. Serial No. 177,299. PUBLISHED JUNE 12, 1923.

173,095. CERTAIN NAMED ROOFING MATERIALS. ASBESTOS, LIMITED, New York, N. Y.
Filed March 12, 1923. Serial No. 177,263. PUBLISHED JUNE 12, 1923.

173,096. STEEL FORGINGS, RAIL ANCHORS, RAIL-ANCHOR SPRINGS, AND RAILROAD SWITCH CLAMPS. CANTON FORGE & AXLE COMPANY, Canton, Ohio.
Filed March 10, 1923. Serial No. 177,215. PUBLISHED JUNE 19, 1923.

173,097. KNOBS, HANDLES, INCLUDING LEVER HANDLES, AND FINGER PLATES, ALL FOR DOORS. SOCIÉTÉ P. AND A. PICARD, Paris, France.
Filed March 8, 1923. Serial No. 177,144. PUBLISHED JUNE 12, 1923.

173,098. TONIC FOR CATS AND KITTENS. KNOX PHARMACAL COMPANY, Rockland, Me.
Filed March 8, 1923. Serial No. 177,131. PUBLISHED JUNE 12, 1923.

173,099. INSECTICIDE. THE KIL-TONE COMPANY, Vineland, N. J.
Filed March 8, 1923. Serial No. 177,130. PUBLISHED JUNE 12, 1923.

173,100. OINTMENT FOR TREATING ECZEMA, SALT RHEUM, CHAPPED HANDS, AND OTHER SKIN DISEASES. W. N. HUNTER AND CO., Hot Springs, S. Dak.
Filed March 8, 1923. Serial No. 177,128. PUBLISHED JUNE 12, 1923.

173,101. GENERAL SYSTEM TONIC. DOMINICK SWEET, doing business as The Sweet Manufacturing Company, Pittsburgh, Pa., assignor to The Sweet Manufacturing Company, Pittsburgh, Pa., a Corporation of Delaware.
Filed March 7, 1923. Serial No. 177,115. PUBLISHED JUNE 12, 1923.

173,102. ANTIRHEUMATIC. MERCK & CO., New York, N. Y.
Filed March 7, 1923. Serial No. 177,096. PUBLISHED JUNE 12, 1923.

173,103. BUMPERS. THE C. G. SPRING COMPANY, Kalamazoo, Mich.
Filed March 7, 1923. Serial No. 177,072. PUBLISHED JUNE 12, 1923.

173,104. TOILET POWDER. E. FOUGERA & CO., New York, N. Y.
Filed March 6, 1923. Serial No. 177,038. PUBLISHED JUNE 12, 1923.

173,105. TOILET PREPARATIONS. J. J. WHITE, Chicago, Ill.
Filed March 5, 1923. Serial No. 177,027. PUBLISHED JUNE 12, 1923.

173,106. TOOTH PASTE. WARREN D. GILL, Los Angeles, Calif.
Filed March 5, 1923. Serial No. 176,962. PUBLISHED JUNE 12, 1923.

173,107. LIQUID TO KEEP AND PREVENT FLIES AND VERMIN FROM ANNOYING THE LIVE STOCK. FLY-HIKE COMPANY, Springfield, Mo.
Filed March 5, 1923. Serial No. 176,959. PUBLISHED JUNE 12, 1923.

173,108. AROMATIC OILS EMPLOYED IN THE TREATMENT OF DISEASES OF THE THROAT, LUNGS, AND AIR PASSAGES. HENRY G. CONNOLLY, Los Angeles, Calif.
Filed March 5, 1923. Serial No. 176,952. PUBLISHED JUNE 12, 1923.

173,109. PASTES AND POWDERS FOR BEAUTIFYING AND PRESERVING THE TEETH, SKIN, AND HAIR, AND PERFUMERY. PARFUMERIE ROGER & GALLET, Paris, France.
Filed November 11, 1922. Serial No. 171,866. PUBLISHED JUNE 5, 1923.

173,110. FARM SEEDS. SUMMEROUR & SON, Vernon, Tex.
Filed November 9, 1922. Serial No. 171,773. PUBLISHED JUNE 12, 1923.

173,111. PHARMACEUTICAL PREPARATIONS FOR PROMOTING THE GROWTH OF HUMAN HAIR. AKTIENGESELLSCHAFT FÜR CHEMISCHE PRODUKTE VORMALS H. SCHEIDEMANDEL, Berlin, Germany.
Filed November 4, 1922. Serial No. 171,565. PUBLISHED JUNE 12, 1923.

173,112. ROOFING MATERIALS, PARTICULARLY ASPHALT SHINGLES. STUART F. FRAZER, Pittsburgh, Pa.
Filed October 31, 1922. Serial No. 171,417. PUBLISHED JUNE 12, 1923.

173,113. ADHESIVE PATCHES FOR AUTOMOBILE TIRES AND INNER TUBES. IRON CLAD PATCH LABORATORIES INC., New Orleans, La.
Filed October 23, 1922. Serial No. 171,083. PUBLISHED JUNE 12, 1923.

173,114. COFFEE. THOS. ROULSTON, INC., Brooklyn, N. Y.
Filed October 21, 1922. Serial No. 171,039. PUBLISHED JUNE 5, 1923.

173,115. WATERPROOFING COMPOUND FOR CEMENT. THE TORBAY & DART PAINT CO. LIMITED, London, England.
Filed September 19, 1922. Serial No. 169,692. PUBLISHED JUNE 19, 1923.

173,116. WATER-HEATING APPARATUS AND PARTS THEREOF USED IN CONJUNCTION WITH HEATING BOILERS. FERGUSON AND LANGE FOUNDRY COMPANY, Chicago, Ill.
Filed September 18, 1922. Serial No. 169,580. PUBLISHED JUNE 12, 1923.

173,117. SARDINES IN OIL. SILVEIRA, CARMO & COMPANHIA, Lisbon, Portugal.
Filed September 6, 1922. Serial No. 169,139. PUBLISHED JUNE 12, 1923.

173,118. FOOT-BATH PREPARATION. THE KINGSBURY COMPANY, Fort Wayne, Ind.
Filed August 4, 1922. Serial No. 167,965. PUBLISHED JUNE 5, 1923.

173,119. PAPER IN SHEETS AND ROLLS. NEW YORK & PENNSYLVANIA COMPANY, Castanea Township, Clinton County, Pa., and New York, N. Y.
Filed August 7, 1922. Serial No. 167,922. PUBLISHED JUNE 12, 1923.

173,120. ELASTIC VEHICLE TIRES COMPOSED WHOLLY OR IN PART OF RUBBER AND INNER TUBES FOR PNEUMATIC TIRES. THE STAR RUBBER COMPANY, Akron, Ohio.
Filed May 26, 1922. Serial No. 164,559. PUBLISHED JUNE 12, 1923.

173,121. BISCUIT. NATIONAL BISCUIT COMPANY, Jersey City, N. J., and New York, N. Y.
Filed May 9, 1922. Serial No. 163,593. PUBLISHED JUNE 12, 1923.

173,122. VEHICLE SPRINGS. THE STANDARD PARTS COMPANY, Cleveland, Ohio, assignor to The Torbensen Axle Company, Cleveland, Ohio, a Corporation of Ohio.
Filed March 22, 1922. Serial No. 161,066. PUBLISHED JUNE 12, 1923.

173,123. REMEDIES FOR TOBACCO HABIT. THE H. J. BROWN MEDICINE COMPANY, Cleveland, Ohio.
Filed March 8, 1922. Serial No. 160,332. PUBLISHED JUNE 12, 1923.

173,124. BOTTLE CLOSURES OF THE CROWN TYPE. NEW PROCESS CORK COMPANY, Brooklyn, N. Y.
Filed March 2, 1922. Serial No. 160,076. PUBLISHED JUNE 12, 1923.

173,125. DIES AND DYESTUFFS. THE GRASSELLI CHEMICAL COMPANY, Cleveland, Ohio.
Filed January 14, 1922. Serial No. 157,922. PUBLISHED JUNE 12, 1923.

173,126. SKINNED HAMS, REGULAR HAMS, AND BREAKFAST BACON. WILLIAM ZOLLER COMPANY, Pittsburgh, Pa.
Filed December 4, 1922. Serial No. 172,924. PUBLISHED JUNE 5, 1923.

173,127. TYPE OF TOILET OR CLOSET SEAT. THE GERMAIN BROTHERS COMPANY, Saginaw, Mich.
Filed December 4, 1922. Serial No. 172,874. PUBLISHED JUNE 12, 1923.

173,128. POULTRY FEED. BLACK BROS. FLOUR MILLS, Beatrice, Nebr.
Filed December 1, 1922. Serial No. 172,792. PUBLISHED JUNE 5, 1923.

173,129. DRIED FRUIT. ALICE M. BIDDLE, doing business as Carrolton Packing Co., Hanford, Calif.
Filed March 22, 1923. Serial No. 177,821. PUBLISHED JUNE 12, 1923.

173,130. CANNED FRUIT AND VEGETABLES AND DRIED FRUIT. BARRON-GRAY PACKING CO., San Jose, Calif.
Filed March 22, 1923. Serial No. 177,820. PUBLISHED JUNE 12, 1923.

173,131. CIGARETTES. PHILIP MORRIS & CO. LTD., New York, N. Y.
Filed April 20, 1923. Serial No. 179,416. PUBLISHED JUNE 12, 1923.

173,132. PAPER—NAMELY, WRAPPING PAPER, BOND PAPER, WRITING PAPERS, TISSUE PAPERS, COATED PAPERS, PRINTING PAPERS, AND BOX-COVERING PAPERS. COY, HUNT AND COMPANY, New York, N. Y.
Filed April 20, 1923. Serial No. 179,399. PUBLISHED JUNE 12, 1923.

173,133. CIGARETTES. STEPHANO BROTHERS, Philadelphia, Pa.
Filed April 5, 1923. Serial No. 178,636. PUBLISHED JUNE 12, 1923.

173,134. WOOL. SOCIEDAD ANONIMA FINANCIERA Y COMERCIAL FUHRMANN LIMITADA, Buenos Aires, Argentina.
Filed April 5, 1923. Serial No. 178,633. PUBLISHED JUNE 19, 1923.

173,135. CONDENSED MILK AND EVAPORATED MILK. DAIRYMEN'S LEAGUE CO-OPERATIVE ASSOCIATION, INC., Utica, N. Y.
Filed March 31, 1923. Serial No. 178,376. PUBLISHED JUNE 12, 1923.

173,136. MALT EXTRACT FOR FOOD PURPOSES. LOUIS STETELMAN, doing business as Supreme Products Company, Columbus, Ohio.
Filed March 29, 1923. Serial No. 178,298. PUBLISHED JUNE 12, 1923.

173,137. FRESH GRAPES AND RAISINS. ANDREW MATTEI, Fresno, Calif.
Filed March 29, 1923. Serial No. 178,266. PUBLISHED JUNE 12, 1923.

173,138. COFFEE. MATTHEW R. JOHNSTON, doing business as M. R. Johnston Coffee Co., Baltimore, Md.
Filed March 29, 1923. Serial No. 178,256. PUBLISHED JUNE 12, 1923.

173,139. KNAPSACKS, BAGGAGE AND LUGGAGE DEVICES, AND SUPPORTING EQUIPMENT THEREFOR. SVERRE YOUNG, Christiania, Norway.
Filed March 28, 1923. Serial No. 178,202. PUBLISHED JUNE 19, 1923.

173,140. MALT SIRUP. WALTER HENLE, doing business as Blackhawk Extract Company, Davenport, Iowa.
Filed March 29, 1923. Serial No. 178,248. PUBLISHED JUNE 19, 1923.

173,141. KNAPSACKS, BAGGAGE AND LUGGAGE DEVICES, AND SUPPORTING EQUIPMENT THEREFOR. SVERRE YOUNG, Christiania, Norway.
Filed March 28, 1923. Serial No. 178,201. PUBLISHED JUNE 19, 1923.

173,142. INDUSTRIAL VENTILATORS FOR BUILDINGS, MANUFACTURING AND INDUSTRIAL PLANTS, AND STRUCTURES REQUIRING VENTILATION. AMERICAN LARSON VENTILATING CO., Pittsburgh, Pa.
Filed March 28, 1923. Serial No. 178,157. PUBLISHED JUNE 12, 1923.

173,143. COTTONSEED OIL. CELLA'S, INC., New York, N. Y.
Filed March 27, 1923. Serial No. 178,090. PUBLISHED JUNE 12, 1923.

173,144. CANDIES. L. J. CHRISTOPHER CO., Los Angeles, Calif.
Filed March 24, 1923. Serial No. 177,959. PUBLISHED JUNE 12, 1923.

173,145. CANDIES. L. J. CHRISTOPHER CO., Los Angeles, Calif.
Filed March 24, 1923. Serial No. 177,958. PUBLISHED JUNE 12, 1923.

173,146. FRESH FISH AND OYSTERS. EASTER FISH COMPANY, Norfolk, Va.
Filed March 23, 1923. Serial No. 177,900. PUBLISHED JUNE 12, 1923.

173,147. SMOKING TOBACCO. THE ZORRO TOBACCO CO., INC., New York, N. Y.
Filed March 22, 1923. Serial No. 177,887. PUBLISHED JUNE 12, 1923.

173,148. FRESH CHERRIES. SAN JOAQUIN COUNTY CHERRY GROWERS ASSN., Stockton, Calif.
Filed March 22, 1923. Serial No. 177,875. PUBLISHED JUNE 12, 1923.

173,149. SPORTING RIFLES. J. STEVENS ARMS COMPANY, New York, N. Y.
Filed February 10, 1922. Serial No. 159,188. PUBLISHED JUNE 19, 1923.

173,150. A CERTAIN NAMED PHARMACEUTICAL PRODUCT. KALLE & Co., AKTIENGESELLSCHAFT, Biebrich-on-the-Rhine, Germany.
Filed November 21, 1921. Serial No. 155,695. PUBLISHED SEPTEMBER 26, 1922.

173,151. FRESH GRAPEFRUIT. MERRICK AND RICE, Kendal, Fla.
Filed October 19, 1921. Serial No. 154,317. PUBLISHED JUNE 19, 1923.

173,152. LABELING CLIPS FOR USE WITH LOOSE-LEAF BINDERS OR THE LIKE. BENJ. D. BENSON & SONS, INC., New York, N. Y.
Filed September 3, 1921. Serial No. 152,536. PUBLISHED JUNE 19, 1923.

173,153. CRACKERS AND COOKIES. PACIFIC COAST BISCUIT CO., Seattle, Wash.
Filed August 2, 1921. Serial No. 151,284. PUBLISHED DECEMBER 26, 1922.

173,154. CRETONNES, TAPESTRIES, AND DRAPERIES IN THE PIECE. PAMLICO COTTONS, LTD., New York, N. Y.
Filed July 16, 1921. Serial No. 150,464. PUBLISHED JUNE 19, 1923.

173,155. CONCENTRATED MALT SIRUP AND CONCENTRATED MALT EXTRACT. MILWAUKEE MALTING & GRAIN CO., Milwaukee, Wis.
Filed May 6, 1921. Serial No. 147,303. PUBLISHED JUNE 19, 1923.

173,156. COTTON, BURLAP, AND PAPER BAGS. BEMIS BRO. BAG COMPANY, St. Louis, Mo.
Filed April 1, 1921. Serial No. 145,544. PUBLISHED JUNE 19, 1923.

173,157. GLUE, MUCILAGE, AND PASTE. TETRALIN GESELLSCHAFT MIT BESCHRÄNKTER HAFTUNG, Berlin, Germany.
Filed January 10, 1921. Serial No. 142,041. PUBLISHED JUNE 19, 1923.

173,158. SPORTING RIFLES. J. STEVENS ARMS COMPANY, New York, N. Y.
Filed February 10, 1922. Serial No. 159,186. PUBLISHED JUNE 19, 1923.

173,159. CERTAIN FABRICS IN THE PIECE. THE SALT'S TEXTILE MANUFACTURING COMPANY, Bridgeport, Conn., and New York, N. Y.
Filed February 9, 1922. Serial No. 159,120. PUBLISHED JUNE 12, 1923.

173,160. FRESH FRUITS AND VEGETABLES. W. R. ROACH & COMPANY, Grand Rapids, Mich.
Filed February 8, 1922. Serial No. 159,054. PUBLISHED JUNE 19, 1923.

173,161. HAIR NETS. NATIONAL HAIR GOODS CO., Chicago, Ill.
Filed February 8, 1922. Serial No. 159,048. PUBLISHED JUNE 12, 1923.

173,162. DECIDUOUS FRUITS AND GRAPES IN THEIR NATURAL STATE. Y. MAEDA, doing business as Liberty Produce Company, Livingston, Calif.
Filed February 2, 1922. Serial No. 158,782. PUBLISHED JUNE 19, 1923.

173,163. SALAD DRESSING. W. E. JOHNSON, doing business as Mrs. W. E. Johnson, Great Falls, Mont.
Filed January 20, 1922. Serial No. 158,188. PUBLISHED JUNE 19, 1923.

173,164. HERBAL REMEDY FOR EXPECTANT MOTHERS. HELEN MARION MACDONALD, Vancouver, British Columbia, Canada.
Filed January 4, 1922. Serial No. 157,492. PUBLISHED JUNE 19, 1923.

173,165. CERTAIN MEDICINAL PREPARATIONS. STEWART & HOLMES DRUG CO., Seattle, Wash.
Filed December 15, 1921. Serial No. 156,760. PUBLISHED NOVEMBER 7, 1922.

173,166. CERTAIN NAMED LUBRICANTS, FUEL OILS, AND WAX. TETRALIN-GESELLSCHAFT MIT BESCHRÄNKTER HAFTUNG, Berlin, Germany.
Filed January 10, 1921. Serial No. 142,040. PUBLISHED JUNE 19, 1923.

173,167. CANDY. SPOEHR'S, Chicago, Ill.
Filed November 3, 1920. Serial No. 139,134. PUBLISHED JUNE 19, 1923.

173,168. CORN REMEDY. DAVID I. KANTER, Chicago, Ill.
Filed December 11, 1922. Serial No. 173,221. PUBLISHED MAY 15, 1923.

173,169. POULTRY-RAISING APPLIANCES—NAMELY, INCUBATORS, BROODERS, HOVERS, PORTABLE HOVERS, COLONY BROODERS, FEEDERS, DRINKING FOUNTAINS, AND GRAIN FEEDERS. WATSON MANUFACTURING COMPANY, Lancaster, Pa.
Filed January 18, 1919. Serial No. 115,304. PUBLISHED JUNE 19, 1923.

173,170. WHEAT FLOUR. THE WEBER FLOUR MILLS CORPORATION, Salina, Kans.
Filed August 19, 1922. Serial No. 168,505. PUBLISHED MARCH 20, 1923.

173,171. ICE CREAM. STUART & EMERSON, Lyndonville, Vt.
Filed August 11, 1922. Serial No. 168,130. PUBLISHED MAY 22, 1923.

173,172. BREAKFAST CEREALS. THE BATTLE CREEK FOOD COMPANY, Battle Creek, Mich.
Filed November 27, 1922. Serial No. 172,575. PUBLISHED MAY 8, 1923.

173,173. CONFECTIONS—NAMELY, CANDY. ARTHUR C. WATSON, doing business as Nancy Hubbard Company, Los Angeles, Calif.
Filed October 23, 1922. Serial No. 171,112. PUBLISHED JUNE 26, 1923.

173,174. HOSIERY AND UNDERWEAR OF KNITTED AND TEXTILE FABRIC FOR MEN, WOMEN, AND CHILDREN. COLTER & BERNIE, New York, N. Y.
Filed October 25, 1922. Serial No. 171,152. PUBLISHED JUNE 19, 1923.

173,175. MEAT PIES, MEAT DUMPLINGS, AND FOODS HAVING A MEAT FILLER AND COVER MADE FROM FLOUR OR ANY CEREAL. WILLIAM H. BROOKS, San Francisco, Calif.
Filed October 17, 1922. Serial No. 170,806. PUBLISHED JUNE 26, 1923.

173,176. BROAD SILKS IN THE PIECE AND SILK AND COTTON GOODS IN THE PIECE. H. KOBAYASHI & Co., INC., New York, N. Y.
Filed October 16, 1922. Serial No. 170,769. PUBLISHED JUNE 19, 1923.

173,177. HOSIERY AND SWEATERS, SCARFS, CAPS, BOOTEES, AND KNIT SETS. A. B. FRANK COMPANY, San Antonio, Tex.
Filed October 12, 1922. Serial No. 170,634. PUBLISHED JUNE 19, 1923.

173,178. SPRING SHACKLE AND OTHER BOLTS, NUTS, AND METAL WASHERS. CONTINENTAL AUTO PARTS COMPANY, Columbus, Ind.
Filed October 9, 1922. Serial No. 170,475. PUBLISHED JUNE 19, 1923.

173,179. PREPARATION FOR GROWING HAIR AND THE ERADICATION OF DANDRUFF. GEORGIA A. SIMMONS, Washington, D. C.
Filed September 22, 1922. Serial No. 169,829. PUBLISHED JUNE 19, 1923.

173,180. SILK LACES, SILK AND FIBER AND SILK AND WOOL LACES. LACE-NET IMPORTING CO., New York, N. Y.
Filed September 21, 1922. Serial No. 169,766. PUBLISHED JUNE 12, 1923.

173,181. BROAD SILK IN THE PIECE. ARTSILK KNITTING MILLS, New York, N. Y.
Filed September 21, 1922. Serial No. 169,743. PUBLISHED JUNE 19, 1923.

173,182. DRY, READY-MIXED, AND PASTE PAINTS. THE WALL PAPER MANUFACTURERS LIMITED, London, England.
Filed September 12, 1922. Serial No. 169,381. PUBLISHED JUNE 19, 1923.

173,183. PERCALES IN THE PIECE. CARTER DRY GOODS COMPANY, Louisville, Ky.
Filed September 11, 1922. Serial No. 169,280. PUBLISHED JUNE 19, 1923.

173,184. CONCENTRATED FRUIT PECTIN OR PECTINIZED FRUIT JUICES OR COMPOUNDS OF FRUIT. H. L. HULBURT, doing business as Jely-Rite Fruit Company, San Jose, Calif.
Filed September 9, 1922. Serial No. 169,249. PUBLISHED JUNE 26, 1923.

173,185. PAPER CUPS. MAYER COATING MACHINES CO. INC., doing business as Joy Paper Products Co., Rochester, N. Y.
Filed September 2, 1922. Serial No. 169,028. PUBLISHED JUNE 19, 1923.

173,186. MAYONNAISE, CATCHUP, THOUSAND ISLAND DRESSING, MARSHMALLOW CREAM, SIRUP FOR FOOD-FLAVORING PURPOSES, CRÈME DE MENTHE, FLAVORING FOR FOOD PURPOSES, HORSE-RADISH, TARTAR SAUCE, SALAD DRESSING, AND CHILI SAUCE. FRED M. CASLER, Los Angeles, Calif.
Filed August 28, 1922. Serial No. 168,755. PUBLISHED JUNE 26, 1923.

173,187. BROAD SILKS AND SILK AND COTTON PIECE GOODS. STEHLI SILKS CORPORATION, New York, N. Y.
Filed August 17, 1922. Serial No. 168,383. PUBLISHED JUNE 12, 1923.

173,188. CANDY BARS. JOHN J. M. CARAMETOS, doing business as E. B. Candy Co., Chicago, Ill.
Filed August 21, 1922. Serial No. 168,513. PUBLISHED JUNE 26, 1923.

173,189. SILK AND SILK AND COTTON GOODS AND ARTIFICIAL-SILK GOODS IN THE PIECE. ARTSILK KNITTING MILLS, West New York, N. J.
Filed August 17, 1922. Serial No. 168,348. PUBLISHED JUNE 12, 1923.

173,190. PREPARATION FOR USE IN THE TREATMENT OF HAIR AND SCALP. MRS. E. A. BLAKE, doing business as Austin Manufacturing Co., Detroit, Mich.
Filed August 4, 1922. Serial No. 167,797. PUBLISHED JUNE 26, 1923.

173,191. WHEAT FLOUR. NOBLESVILLE MILLING CO., Noblesville, Ind.
Filed August 2, 1922. Serial No. 167,730. PUBLISHED MARCH 20, 1923.

173,192. SUGAR CONES. SUGAR CONE MANUFACTURING CORP., Brooklyn, N. Y.
Filed July 28, 1922. Serial No. 167,538. PUBLISHED JUNE 19, 1923.

173,193. EGG SLICERS AND CAKE FORMS. SAMUEL ROBERT, doing business as Konroe Merchants, New York, N. Y.
Filed December 12, 1922. Serial No. 173,246. PUBLISHED JUNE 19, 1923.

173,194. DRESSES. JACK LEVY, INC., New York, N. Y.
Filed December 9, 1922. Serial No. 173,136. PUBLISHED JUNE 12, 1923.

173,195. TABLE, KITCHEN, BUTCHER, AND HUNTING KNIVES AND FORKS MADE OF BASE METAL. KENNETH E. PORTER, doing business as Rustnot Products Company, Cleveland, Ohio.
Filed December 8, 1922. Serial No. 173,106. PUBLISHED JUNE 19, 1923.

173,196. SHELL AND GRIT. EAST COAST TRADING CO., Baltimore, Md.
Filed December 8, 1922. Serial No. 173,075. PUBLISHED JUNE 19, 1923.

173,197. KNITTED WEAR—NAMELY, SCARFS, SWEATERS, AND KNIT DRESSES. ALEX L. WALLAU, New York, N. Y.
Filed December 6, 1922. Serial No. 173,019. PUBLISHED JUNE 19, 1923.

173,198. KNITTED WEAR—NAMELY, SCARFS, SWEATERS, AND KNIT DRESSES. ALEX L. WALLAU, New York, N. Y.
Filed December 6, 1922. Serial No. 173,018. PUBLISHED JUNE 19, 1923.

173,199. HAIR SALVE. THE MADAM C. J. WALKER MFG. CO., Indianapolis, Ind.
Filed December 6, 1922. Serial No. 173,017. PUBLISHED JUNE 19, 1923.

173,200. WOMEN'S DRESSES. LEVY-SHULMAN & Co. INC., New York, N. Y.
Filed December 6, 1922. Serial No. 172,996. PUBLISHED JUNE 12, 1923.

173,201. SALT (SODIUM CHLORIDE). CAPELL SALT COMPANY, Salt Lake City, Utah.
Filed December 6, 1922. Serial No. 172,974. PUBLISHED JUNE 26, 1923.

173,202. FACE CREAMS. BEEBE LABORATORIES, INCORPORATED, doing business as Ward and Pierre, St. Paul, Minn.
Filed December 1, 1922. Serial No. 172,724. PUBLISHED JUNE 19, 1923.

173,203. CERTAIN ARTICLES OF CLOTHING. JAMES W. BRINE COMPANY, Boston, Mass.
Filed November 27, 1922. Serial No. 172,579. PUBLISHED JUNE 19, 1923.

173,204. CERTAIN NAMED ARTICLES OF CLOTHING. THE STYLE-CENTER TAILORING COMPANY, Cincinnati, Ohio.
Filed November 25, 1922. Serial No. 172,566. PUBLISHED JUNE 19, 1923.

173,205. HOSIERY. DAYTON HOSIERY MILLS, Dayton, Tenn.
Filed November 25, 1922. Serial No. 172,524. PUBLISHED JUNE 12, 1923.

173,206. FRUIT SIRUP FOR BEVERAGES. EVERETT BURDEN, doing business as Burden Manufacturing Company, East Liverpool, Ohio.
Filed November 25, 1922. Serial No. 172,507. PUBLISHED JUNE 19, 1923.

173,207. KNIFE AND EDGE-TOOL SHARPENING MACHINES. ACE HARDWARE MANUFACTURING CORPORATION, Philadelphia, Pa.
Filed November 21, 1922. Serial No. 172,314. PUBLISHED JUNE 12, 1923.

173,208. PURE MALT EXTRACTS. SIGMUND KATZ, doing business as Bluebell Malt Co., New York, N. Y.
Filed November 15, 1922. Serial No. 172,047. PUBLISHED JUNE 19, 1923.

173,209. POP-CORN CONFECTION. RICH-MAID MFG. Co., INC., Richmond, Va.
Filed November 10, 1922. Serial No. 171,816. PUBLISHED JUNE 19, 1923.

173,210. FACIAL PACKS. PARISIAN SPECIALTY CO., Seattle, Wash.
Filed October 30, 1922. Serial No. 171,382. PUBLISHED JUNE 19, 1923.

173,211. LADIES' UNDERWEAR MADE OF TEXTILE FABRICS. NATHAN BREGSTEIN, Brooklyn, N. Y.
Filed October 27, 1922. Serial No. 171,250. PUBLISHED JUNE 12, 1923.

173,212. HOLDING AND MEASURING APPARATUS FOR ACCURATELY PROPORTIONING STONE OR GRAVEL OR OTHER CONSTRUCTION MATERIALS FOR MAKING UP BATCHES. ERIE STEEL CONSTRUCTION COMPANY, Erie, Pa.
Filed October 28, 1922. Serial No. 171,308. PUBLISHED JUNE 19, 1923.

173,213. WOOLEN CLOTHS IN THE PIECE INTENDED FOR SUITING, ETC. S. STEIN & Co., New York, N. Y.
Filed December 12, 1922. Serial No. 173,259. PUBLISHED JUNE 12, 1923.

173,214. CANDY. GRACE B. HOOKER, East Providence, R. I.
Filed January 19, 1923. Serial No. 174,778. PUBLISHED JUNE 19, 1923.

173,215. STEEL RODS SUITABLE FOR THE MAKING OF TAPS AND SMALL TOOLS. GLOBE WIRE CO., Sharpsburg, Pa.
Filed January 19, 1923. Serial No. 174,773. PUBLISHED JUNE 19, 1923.

173,216. SPUN SILK. MESQUITA & LANGE, New York, N. Y.
Filed January 16, 1923. Serial No. 174,665. PUBLISHED JUNE 19, 1923.

173,217. FRESH DECIDUOUS FRUITS AND GRAPES IN THEIR NATURAL STATE. MARSHALL & MULLER, Lodi, Calif.
Filed January 13, 1923. Serial No. 174,581. PUBLISHED JUNE 26, 1923.

173,218. WOVEN AND KNITTED COTTON AND WOOL AND SILK AND WOOL FABRICS IN THE PIECE. VARY KNIT CO., INC., Union Hill, N. J., and New York, N. Y.
Filed January 8, 1923. Serial No. 174,348. PUBLISHED JUNE 12, 1923.

173,219. EDUCATIONAL PUZZLE GAME. ALPHA GAME & TOY COMPANY, INC., New York, N. Y.
Filed January 8, 1923. Serial No. 174,275. PUBLISHED JUNE 19, 1923.

173,220. POWDER PUFFS. CHARLES MACK BERMAN, New York, N. Y.
Filed January 6, 1923. Serial No. 174,230. PUBLISHED JUNE 19, 1923.

173,221. DENTIFRICES. NEVIL MONROE HOPKINS, New York, N. Y.
Filed January 5, 1923. Serial No. 174,207. PUBLISHED JUNE 19, 1923.

173,222. POWDERED MILK. MERRELL-SOULE COMPANY, Syracuse, N. Y.
Filed January 3, 1923. Serial No. 174,146. PUBLISHED JUNE 19, 1923.

173,223. CANNED FISH. PAUL PETRICH, doing business as Coronado Fish Co., San Diego, Calif.
Filed January 3, 1923. Serial No. 174,150. PUBLISHED JUNE 6, 1923.

173,224. DRESS, NEGLIGEE, AND WORK SHIRTS. TUXEDO SHIRT CO. INC., New York, N. Y.
Filed December 28, 1922. Serial No. 173,944. PUBLISHED JUNE 19, 1923.

173,225. SALVE FOR PILES, BURNS, AND OPEN SORES. ISIDORE ROCHON, Fall River, Mass.
Filed December 22, 1922. Serial No. 173,725. PUBLISHED JUNE 26, 1923.

173,226. CONFECTIONERY—NAMELY, ICE CREAM OR OTHER FROZEN DAINTIES. ICY HUNNI CO., Milwaukee, Wis.
Filed December 22, 1922. Serial No. 173,706. PUBLISHED JUNE 26, 1923.

173,227. BLANK PAPERS; PRINTED, LITHOGRAPHED AND OTHERWISE EMBELLISHED LINING PAPER AND FLY SHEETS FOR BOOK COVERS, AND LETTER HEADS. LEVEY PRINTING COMPANY, Indianapolis, Ind.
Filed December 18, 1922. Serial No. 173,504. PUBLISHED MAY 29, 1923.

173,228. MEN'S DRESS AND NEGLIGEE SHIRTS AND MEN'S NIGHTSHIRTS AND PYJAMAS. GERALD D. GROSNER, doing business as Grosner's, Washington, D. C.
Filed December 16, 1922. Serial No. 173,419. PUBLISHED JUNE 19, 1923.

173,229. BOND PAPERS. THE EXLINE & EXLINE CO., Dallas, Tex.
Filed December 16, 1922. Serial No. 173,411. PUBLISHED APRIL 24, 1923.

173,230. CANDY. OSMOND M. SHEPPARD, Bellingham, Wash.
Filed December 15, 1922. Serial No. 173,367. PUBLISHED JUNE 19, 1923.

173,231. NECKTIES. GRIP BOW TIE COMPANY, Omaha, Nebr.
Filed December 15, 1922. Serial No. 173,353. PUBLISHED JUNE 19, 1923.

173,232. ILLUMINATING GLASSWARE. OSCAR O. FRIEDLAENDER CO., New York, N. Y.
Filed December 13, 1922. Serial No. 173,280. PUBLISHED JUNE 12, 1923.

173,233. TOILET PAPER, PAPER TOWELS. WORTENDYKE MANUFACTURING CO., Richmond, Va.
Filed July 13, 1922. Serial No. 166,864. PUBLISHED JUNE 19, 1923.

173,234. LUBRICATING OILS AND GREASES. DIXIE OIL & GREASE COMPANY, Atlanta, Ga.
Filed July 10, 1922. Serial No. 166,659. PUBLISHED JUNE 19, 1923.

173,235. SELF-RISING FLOUR. NOBLESVILLE MILLING CO., Noblesville, Ind.
Filed July 7, 1922. Serial No. 166,567. PUBLISHED MARCH 20, 1923.

173,236. SELF-RISING FLOUR. NOBLESVILLE MILLING CO., Noblesville, Ind.
Filed July 7, 1922. Serial No. 166,566. PUBLISHED MARCH 20, 1923.

173,237. COTTON YARNS. UNITED TURKEY RED COMPANY, LIMITED, Glasgow, Scotland.
Filed June 21, 1922. Serial No. 165,838. PUBLISHED JUNE 19, 1923.

173,238. GRAPE SIRUP. THE QUEEN CITY EXTRACT COMPANY, Cincinnati, Ohio.
Filed May 5, 1922. Serial No. 163,413. PUBLISHED JUNE 19, 1923.

173,239. FANCY PATENT HARD-WHEAT FLOUR. WILLIAM H. OLDACH, INC., Philadelphia, Pa.
Filed May 2, 1922. Serial No. 163,232. PUBLISHED APRIL 3, 1923.

173,240. CERTAIN CHEMICAL AND MEDICINAL PREPARATIONS. STEWART & HOLMES DRUG CO., Seattle, Wash.
Filed April 25, 1922. Serial No. 162,904. PUBLISHED OCTOBER 3, 1922.

173,241. LACQUERS AND ENAMELS CONTAINING A CELLULOSE ESTER. E. I. DU PONT DE NEMOURS & COMPANY, Wilmington, Del.
Filed April 17, 1922. Serial No. 162,384. PUBLISHED JUNE 19, 1923.

173,242. FOOD PRODUCTS, PARTICULARLY BUTTER, COFFEE, TEA, SPICES, AND MALT EXTRACT FOR USE AS A FOOD. MOUND CITY CREAMERY AND FOOD PRODUCTS CO., St. Louis, Mo.
Filed March 20, 1922. Serial No. 160,953. PUBLISHED MARCH 27, 1923.

173,243. MACHINERY BELTING, HOSE, AND PACKING COMPOSED OF RUBBER OR RUBBER AND FABRIC. THE MANHATTAN RUBBER MFG. CO., Passaic, N. J.
Filed March 17, 1922. Serial No. 160,825. PUBLISHED JUNE 19, 1923.

173,244. TABLETS FOR RELIEVING DYSPEPSIA AND CONSTIPATION AND INCREASING STRENGTH AND VITALITY. WILLIAM H. F. TENNY, doing business as Tenny Vitalamine Co., Buffalo, N. Y.
Filed March 13, 1922. Serial No. 160,644. PUBLISHED JUNE 19, 1923.

173,245. TOILET PREPARATIONS—NAMELY, PERFUMERY, FACE POWDER, AND TALCUM POWDER. ANTHONY OVERTON, doing business as The Overton-Hygienic Mfg. Co., Chicago, Ill.
Filed March 11, 1922. Serial No. 160,560. PUBLISHED NOVEMBER 28, 1922.

173,246. STEAM BOILERS; COAL, COKE, GAS, AND OIL HEATED FURNACES; GAS HEATERS; COAL, COKE, GAS, AND OIL FIRED WATER HEATERS; AND RADIATORS. ALEXANDER MORRISON & COMPANY, INCORPORATED, Newark, N. J.
Filed March 10, 1922. Serial No. 160,456. PUBLISHED JUNE 19, 1923.

173,247. COTTON AND SILK MIXTURE PIECE GOODS. Voss & STERN, New York, N. Y.
Filed March 7, 1922. Serial No. 160,328. PUBLISHED JUNE 19, 1923.

173,248. SILK PIECE GOODS. Voss & STERN, New York, N. Y.
Filed March 7, 1922. Serial No. 160,325. PUBLISHED JUNE 19, 1923.

173,249. COTTON PIECE GOODS. Voss & STERN, New York, N. Y.
Filed March 7, 1922. Serial No. 160,316. PUBLISHED JUNE 12, 1923.

173,250. AUTOMOBILE LOCK. RUDOLFO HUBER, Nashville, Tenn.
Filed March 7, 1922. Serial No. 160,287. PUBLISHED JUNE 19, 1923.

173,251. CERTAIN PIECE GOODS. HERMAN RESLER & COMPANY, Chicago, Ill.
Filed February 13, 1922. Serial No. 159,286. PUBLISHED JUNE 19, 1923.

173,252. CERTAIN NAMED ROAD-BUILDING MACHINERY. LITTLE GIANT COMPANY, Mankato, Minn.
Filed February 11, 1922. Serial No. 159,210. PUBLISHED JUNE 19, 1923.

173,253. GLASSINE, GREASEPROOF, IMITATION-PARCHMENT, WRITING, WRAPPING, FIBER, ENAMEL, AND MANIFOLD PAPER. CHARLES MCDOWELL, doing business as McDowell Paper Mills, Manayunk, Pa.
Filed April 24, 1923. Serial No. 179,619. PUBLISHED JUNE 12, 1923.

173,254. CIGARS. RUDOLPH SCHWARTZ, San Francisco, Calif.
Filed April 21, 1923. Serial No. 179,486. PUBLISHED JUNE 12, 1923.

173,255. TOOTH PASTE OR DENTAL CREAM. JAMES A. BAGGETT, doing business as Submarine Pyorrhea Co., Dallas, Tex.
Filed April 21, 1923. Serial No. 179,452. PUBLISHED JUNE 12, 1923.

173,256. LIQUID GAUGES. THE AKRON-SELLE COMPANY, Akron, Ohio.
Filed December 22, 1921. Serial No. 157,016. PUBLISHED JUNE 12, 1923.

173,257. SPECTACLES, EYEGLASSES, AND OPHTHALMIC LENSES. AMERICAN OPTICAL COMPANY, Southbridge, Mass.
Filed December 8, 1920. Serial No. 140,766. PUBLISHED JUNE 12, 1923.

173,258. BED SPRINGS. CLEVELAND WIRE SPRING COMPANY, doing business as Ohio Spring Bed Company, Cleveland, Ohio.
Filed February 3, 1923. Serial No. 175,465. PUBLISHED MAY 15, 1923.

173,259. WOMEN'S AND GIRLS' STOCKINGS AND HOSIERY GENERALLY. CAMPE-DAVIS-BLAIR CO. INC., New York, N. Y.
Filed February 3, 1923. Serial No. 175,462. PUBLISHED JUNE 12, 1923.

173,260. MAPLE SIRUP AND MAPLE SUGAR. MAPLE PRODUCERS' CO-OPERATIVE ASSOCIATION, INC., Syracuse, N. Y.
Filed February 2, 1923. Serial No. 175,432. PUBLISHED JUNE 19, 1923.

173,261. MILK AND CREAM. BEATRICE CREAMERY COMPANY, Chicago, Ill., and Topeka, Kans.
Filed February 3, 1923. Serial No. 175,459. PUBLISHED JUNE 19, 1923.

173,262. ALBUMS—NAMELY, LOOSE-LEAF AND FIXED LEAF PHOTOGRAPHIC ALBUMS. G. GENNERT, INC., New York, N. Y.
Filed February 2, 1923. Serial No. 175,423. PUBLISHED JUNE 12, 1923.

173,263. SWEATERS. MANHATTAN KNITTING MILLS, INC., New York, N. Y.
Filed February 2, 1923. Serial No. 175,431. PUBLISHED JUNE 12, 1923.

173,264. LINIMENTS. WILLIAM A. MCGUIRE, Cliffside, N. J.
Filed January 31, 1923. Serial No. 175,365. PUBLISHED JUNE 19, 1923.

173,265. MACARONI. F. A. MARTOCCIO MACARONI CO., Minneapolis, Minn.
Filed January 29, 1923. Serial No. 175,258. PUBLISHED JUNE 19, 1923.

173,266. COTTON GOODS, AND PARTICULARLY COTTON AND SILK SHIRTINGS. OLYMPIA MANUFACTURING COMPANY, New York, N. Y.
Filed January 26, 1923. Serial No. 175,153. PUBLISHED JUNE 19, 1923.

173,267. CANNED PIMIENTOS. ALVIE BURNHAM, doing business as Burnham Packing Company, Clay City, Ind.
Filed January 25, 1923. Serial No. 175,064. PUBLISHED JUNE 19, 1923.

173,268. PROCESSED COFFEE. WILDER & JACOBS, Boston, Mass.
Filed January 24, 1923. Serial No. 175,045. PUBLISHED JUNE 19, 1923.

173,269. TABLE DAMASK, TABLECLOTHS, AND NAPKINS. ROSEMARY MANUFACTURING COMPANY, Roanoke Rapids, N. C.
Filed January 24, 1923. Serial No. 175,027. PUBLISHED JUNE 19, 1923.

173,270. CERTAIN NAMED MEDICINAL PREPARATION. GRANGER MINERAL CO., Camas, Wash.
Filed January 24, 1923. Serial No. 175,014. PUBLISHED JUNE 19, 1923.

173,271. CERTAIN NAMED CHEMICAL PREPARATIONS. NATIONAL ANILINE & CHEMICAL COMPANY, INCORPORATED, New York, N. Y.
Filed January 23, 1923. Serial No. 174,971. PUBLISHED JUNE 12, 1923.

173,272. FABRIC ROLLS IMPREGNATED WITH A DENTIFRICE AND HOLDERS THEREFOR. DENTROL SALES CORPORATION, Wilmington, Del., and New York, N. Y.
Filed January 24, 1923. Serial No. 175,009. PUBLISHED JUNE 19, 1923.

173,273. PAPER BOARD. PHILADELPHIA PAPER MANUFACTURING COMPANY, Philadelphia and Manayunk, Pa.
Filed January 20, 1923. Serial No. 174,855. PUBLISHED JUNE 19, 1923.

173,274. ICE CREAM. JOSEPH M. GRIES, Battle Mountain, Nev.
Filed January 20, 1923. Serial No. 174,832. PUBLISHED JUNE 19, 1923.

173,275. CUTTING MACHINES FOR USE IN THE MANUFACTURE OF HATS. DUBBROW & HEARNE, New York, N. Y.
Filed January 20, 1923. Serial No. 174,822. PUBLISHED JUNE 19, 1923.

173,276. NOVELTY WORSTED FABRICS. INTERNATIONAL WORSTED MILLS, Methuen, Mass., and New York, N. Y.
Filed January 19, 1923. Serial No. 174,787. PUBLISHED JUNE 12, 1923.

173,277. TROPICAL WORSTEDS IN THE PIECE. INTERNATIONAL WORSTED MILLS, Methuen, Mass., and New York, N. Y.
Filed January 19, 1923. Serial No. 174,786. PUBLISHED JUNE 12, 1923.

173,278. DENTAL METAL. BAKER & CO., INC., Newark, N. J.
Filed April 11, 1923. Serial No. 178,950. PUBLISHED JUNE 19, 1923.

173,279. COMBINATION HEADDRESS AND WAISTBAND FOR DOLLS. ABE CORENSON, Los Angeles, Calif.
Filed April 24, 1923. Serial No. 179,840. PUBLISHED JUNE 19, 1923.

173,280. MALT BEVERAGE AND SIRUP. THE CROWN BREWING CO., Cincinnati, Ohio.
Filed April 12, 1923. Serial No. 179,032. PUBLISHED JUNE 19, 1923.

173,281. SILK PIECE GOODS. DUPLAN SILK CORPORATION, New York, N. Y.
Filed April 11, 1923. Serial No. 178,974. PUBLISHED JUNE 12, 1923.

173,282. SILK PIECE GOODS. DUPLAN SILK CORPORATION, New York, N. Y.
Filed April 11, 1923. Serial No. 178,970. PUBLISHED JUNE 12, 1923.

173,283. SILK PIECE GOODS. DUPLAN SILK CORPORATION, New York, N. Y.
Filed April 11, 1923. Serial No. 178,971. PUBLISHED JUNE 12, 1923.

173,284. SILK PIECE GOODS. DUPLAN SILK CORPORATION, New York, N. Y.
Filed April 11, 1923. Serial No. 178,973. PUBLISHED JUNE 12, 1923.

173,285. SILK PIECE GOODS. DUPLAN SILK CORPORATION, New York, N. Y.
Filed April 11, 1923. Serial No. 178,975. PUBLISHED JUNE 12, 1923.

173,286. SILK PIECE GOODS. DUPLAN SILK CORPORATION, New York, N. Y.
Filed April 11, 1923. Serial No. 178,977. PUBLISHED JUNE 12, 1923.

173,287. SILK PIECE GOODS. DUPLAN SILK CORPORATION, New York, N. Y.
Filed April 11, 1923. Serial No. 178,978. PUBLISHED JUNE 12, 1923.

173,288. SILK PIECE GOODS. DUPLAN SILK CORPORATION, New York, N. Y.
Filed April 11, 1923. Serial No. 178,979. PUBLISHED JUNE 12, 1923.

173,289. CERTAIN FLOOR COVERING. EMPIRE CARPET CO., New York, N. Y.
Filed April 13, 1923. Serial No. 179,092. PUBLISHED JUNE 19, 1923.

173,290. WOOLEN PIECE GOODS. FORSTMANN & HUFFMANN COMPANY, Passaic, N. J.
Filed April 11, 1923. Serial No. 178,988. PUBLISHED JUNE 12, 1923.

173,291. WOOLEN PIECE GOODS. FORSTMANN & HUFFMANN COMPANY, Passaic, N. J.
Filed April 11,1923. Serial No. 178,990. PUBLISHED JUNE 12, 1923.

173,292. WOOLEN PIECE GOODS. FORSTMANN & HUFFMANN COMPANY, Passaic, N. J.
Filed April 11,1923. Serial No. 178,991. PUBLISHED JUNE 12, 1923.

173,293. WOOLEN PIECE GOODS. FORSTMANN & HUFFMANN COMPANY, Passaic, N. J.
Filed April 11, 1923. Serial No. 178,995. PUBLISHED JUNE 12, 1923.

173,294. SOFT DRINK CONCENTRATE. THE HOWDY COMPANY, St. Louis, Mo.
Filed May 4, 1923. Serial No. 180,183. PUBLISHED JUNE 19, 1923.

173,295. BITS AND AUGERS. THE IRWIN AUGER BIT COMPANY, Wilmington, Ohio.
Filed April 13, 1923. Serial No. 179,099. PUBLISHED JUNE 19, 1923.

173,296. BITS AND AUGERS. THE IRWIN AUGER BIT COMPANY, Wilmington, Ohio.
Filed April 13, 1923. Serial No. 179,100. PUBLISHED JUNE 19, 1923.

173,297. BITS AND AUGERS. THE IRWIN AUGER BIT COMPANY, Wilmington, Ohio.
Filed April 13, 1923. Serial No. 179,098. PUBLISHED JUNE 19, 1923.

173,298. LIQUID PETROLATUM, A HIGHLY-REFINED AND WHITE MINERAL-OIL DISTILLATE NOT MANUFACTURED FOR A MEDICINE OR REMEDIAL PURPOSES. STANDARD OIL COMPANY, Whiting, Ind., and Chicago, Ill.
Filed May 5, 1923. Serial No. 180,249. PUBLISHED JUNE 19, 1923.

173,299. CARRIAGE-LIFTING JACKS, MORE ESPECIALLY HYDRAULICS. F. STEINER NFG., Atzgersdorf, near Vienna, Austria.
Filed April 9, 1923. Serial No. 178,878. PUBLISHED JUNE 12, 1923.

173,300. WRITING AND DRAWING SURFACES, SUCH AS PADS AND TABLETS. STEWART CORPORATION, Chicago, Ill.
Filed April 9, 1923. Serial No. 178,880. PUBLISHED JUNE 12, 1923.

173,301. DOLLS SIMULATING ANIMAL CHARACTERS. THE UNCLE WIGGILY DOLL CO., New York, N. Y.
Filed April 26, 1923. Serial No. 179,754. PUBLISHED JUNE 19, 1923.

173,302. GOLF CLUBS. LEWIS L. SCOTT, St. Louis, Mo.
Filed April 26, 1923. Serial No. 179,746. PUBLISHED JUNE 19, 1923.

173,303. WRENCHES OF ALL KINDS, PLIERS, HAMMERS, SCREWDRIVERS, AND CHISELS. THE HERBRAND COMPANY, Fremont, Ohio.
Filed April 26, 1923. Serial No. 179,729. PUBLISHED JUNE 19, 1923.

173,304. DOLLS. MAH-JONGG SALES COMPANY OF AMERICA, San Francisco, Calif.
Filed April 24, 1923. Serial No. 179,614. PUBLISHED JUNE 19, 1923.

173,305. GRAPE JUICE. THE L. S. WETMORE COMPANY, Stockton, Calif.
Filed April 23, 1923. Serial No. 179,575. PUBLISHED JUNE 19, 1923.

173,306. COAL. CENTRAL INDIANA COAL CO., Indianapolis, Ind.
Filed April 23, 1923. Serial No. 179,516. PUBLISHED JUNE 19, 1923.

173,307. PARLOR GAMES. GEORGE W. SHEPPARD, San Francisco, Calif.
Filed April 19, 1923. Serial No. 179,383. PUBLISHED JUNE 19, 1923.

173,308. COTTON THREAD. SMITH & DOVE MANUFACTURING CO., Andover, Mass.
Filed April 16, 1923. Serial No. 179,230. PUBLISHED JUNE 19, 1923.

173,309. LUBRICATING OILS AND GREASES. CATO OIL AND GREASE CO., Oklahoma, Okla.
Filed April 18, 1923. Serial No. 179,293. PUBLISHED JUNE 19, 1923.

173,310. CERTAIN PIECE GOODS. WALTHER MANUFACTURING CO., Philadelphia, Pa.
Filed April 14, 1923. Serial No. 179,177. PUBLISHED JUNE 12, 1923.

173,311. COAL, COKE, AND CHARCOAL. M. R. SEGALL, doing business as M. R. Segall & Co., Baltimore, Md.
Filed April 14, 1923. Serial No. 179,169. PUBLISHED JUNE 19, 1923.

173,312. APPLIANCE FOR LUBRICATING AND COOLING INTERNAL-COMBUSTION ENGINES. THE LUBI-KOOL COMPANY, Casper, Wyo.
Filed April 14, 1923. Serial No. 179,156. PUBLISHED JUNE 19, 1923.

173,313. PISTON RINGS. BAILEY & COMPANY INC., Atlanta, Ga.
Filed April 14, 1923. Serial No. 179,131. PUBLISHED JUNE 19, 1923.

173,314. DOLLS. AMERICAN CHARACTER DOLL CO., INC., New York, N. Y.
Filed April 14, 1923. Serial No. 179,130. PUBLISHED JUNE 19, 1923.

173,315. BITS AND AUGERS. THE IRWIN AUGER BIT COMPANY, Wilmington, Ohio.
Filed April 13, 1923. Serial No. 179,103. PUBLISHED JUNE 19, 1923.

173,316. BITS AND AUGERS. THE IRWIN AUGER BIT COMPANY, Wilmington, Ohio.
Filed April 13, 1923. Serial No. 179,102. PUBLISHED JUNE 19, 1923.

173,317. BITS AND AUGERS. THE IRWIN AUGER BIT COMPANY, Wilmington, Ohio.
Filed April 13, 1923. Serial No. 179,101. PUBLISHED JUNE 19, 1923.

TRADE-MARK REGISTRATIONS RENEWED.

22,433. COFFEE. Registered February 7, 1893. E. T. SMITH & CO. Renewed February 7, 1923, to E. T. Smith Company, Worcester, Mass., assignee.

23,467. AN ARTIFICIALLY-DIGESTED FOOD OR PEPTONE. Registered August 8, 1893. FAIRCHILD BROS. & FOSTER, New York, N. Y. Renewed August 8, 1923.

23,629. GERMICIDES, DISINFECTANTS, AND OTHER DEODORIZING PREPARATIONS. Registered September 19, 1893. CHEMISCHE FABRIK AUF ACTIEN, (vormals E. Schering,) Berlin, Germany. Renewed September 19, 1923, to The Chemical Foundation, Incorporated, Wilmington, Del., a Corporation of Delaware, assignee.

23,817. PAINTS AND COMPOSITIONS FOR PROTECTING IRON STRUCTURES FROM CORROSION. Registered November 14, 1893. WAILES, DOVE & CO. Renewed November 14, 1923, to Wailes, Dove Bitumastic Ltd., Newcastle-on-Tyne, England, successors.

23,850. AN ANTICHOLERA AND TONIC REMEDY. Registered November 21, 1893. MARIA BRANCA SCALA, Milan, Italy. Renewed November 21, 1923.

23,870. LAGER BEER. Registered November 28, 1893. ROBERT PORTNER BREWING COMPANY, Alexandria, Va. Renewed November 28, 1923.

23,898. AN ANTICHOLERA AND TONIC REMEDY. Registered December 5, 1893. MARIA BRANCA SCALA, Milan, Italy. Renewed December 5, 1923.

23,899. AN ANTICHOLERA AND TONIC REMEDY. Registered December 5, 1893. MARIA BRANCA SCALA, Milan, Italy. Renewed December 5, 1923.

LABELS

REGISTERED SEPTEMBER 18, 1923.

26,389.—*Title:* MISS AMERICA. For Stringless Beans. AMERICAN PICKLE & CANNING COMPANY, Hattiesburg, Miss. Published June 27, 1923.

26,390.—*Title:* A. For Fresh Boxed Pears. G. H. ANDERSON, San Jose, Calif. Published June 6, 1923.

26,391.—*Title:* MARKET. For Fresh Pears. N. E. DEAN, Courtland, Calif. Published August 1, 1923.

26,392.—*Title:* PRISCILLA TISSUE. For Dry Goods—Namely, Cotton and Linen Cloth. THE FARLEY HARVEY COMPANY, Boston, Mass. Published June 1, 1923.

26,393.—*Title:* SOUTHERN CROSS. For Lettuce. VIRGIL M. GERRARD, Los Angeles, Calif. Published May 7, 1923.

26,394.—*Title:* INSTRUCTIONS FOR INSTALLING HOFFMAN QUICK CHANGE TRANSMISSION BAND FOR FORD CARS. For Transmission Bands for Automobiles. HOFFMAN MANUFACTURING COMPANY, Springfield, Ill. Published March 18, 1923.

26,395.—*Title:* IVINS. For Biscuits. J. S. IVINS' SON, INC., Philadelphia, Pa. Published May 22, 1923.

26,396.—*Title:* NOBLE-HEART. For Soap. JOSEPH HENRY KARP, New York, N. Y. Published January 3, 1923.

26,397.—*Title:* MISSION-VINEYARDS. For Fresh Grapes. GEO. J. LEWIS, Lodi, Calif. Published April 19, 1923.

26,398.—*Title:* ICE CREAM. For Ice Cream. MENASHA PRINTING AND CARTON COMPANY, Menasha, Wis. Published June 30, 1923

26,399.—*Title:* JUST SCRUMPSHUS. For Chocolates. MILWAUKEE PAPER BOX COMPANY, Milwaukee, Wis. Published January 29, 1923.

26,400.—*Title:* KRINKLETEX. For Shirts. OPPENHEIM, OBERNDORF & CO., INC., Baltimore, Md. Published July 18, 1922.

26,401.—*Title:* LAS PALMAS RED CHILE SAUCE. For Chili Sauce. RAMIREZ & FERAUD CHILE CO., Ventura, Calif. Published April 11, 1923.

26,402.—*Title:* WHITE FLOWER. For Cigars. MORRIS WILKOF, Canton, Ohio. Published June 23, 1923.

26,403.—*Title:* THE LITTLE WONDER SPOT CHASER. For Cleansing Fluid. MORRIS WOLF, Brooklyn, N. Y. Published August 1, 1922.

PRINTS

REGISTERED SEPTEMBER 18, 1923.

6,888.—*Title:* DE-FI TYPEWRITER PAPER. For Typewriter Paper. DE-FI MANUFACTURING COMPANY, New York, N. Y. Published May 17, 1923.

6,889.—*Title:* LIONEL SQUARE COMPACT. For Compacts. LIONEL TRADING CO., INC., New York, N. Y. Published March 27, 1923.

6,890.—*Title:* SHOOT THE PLUGS. For Plugs for Cleaning Condenser Tubes. MANNION & ARTHUR CO., Perth Amboy, N. J. Published July 5, 1923.

6,891.—*Title:* DON'T CUT THE CUTICLE—KEEP YOUR NAILS ALWAYS LOVELY THE CUTEX WAY. For Manicure Preparations and Implements. NORTHAM WARREN CORPORATION, New York, N. Y. Published May 7, 1923.

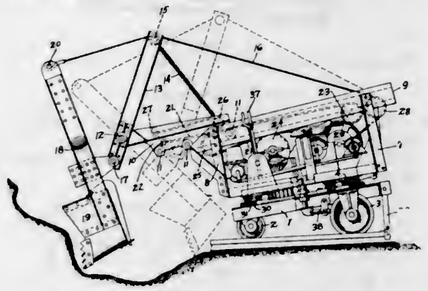
6,892.—*Title:* HAVE LOVELY NAILS WITHOUT CUTTING THE CUTICLE. For Manicure Preparations and Implements. NORTHAM WARREN CORPORATION, New York, N. Y. Published May 7, 1923.

6,893.—*Title:* A GENUINE ACHIEVEMENT FOR THE BETTER CARE OF YOUR TEETH AND GUMS. For Dental Cream. E. R. SQUIBB & SONS, New York, N. Y. Published March 1, 1923.

REISSUES.

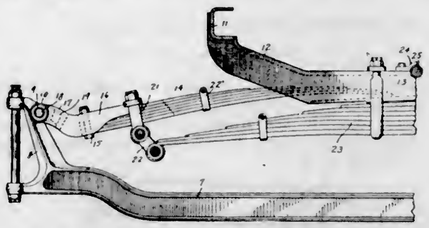
SEPTEMBER 18, 1923.

15,685. MECHANICAL SHOVEL. SAMUEL HOAR, Virginia, Minn., assignor to Rex Loading and Engineering Company, Duluth, Minn., a Corporation of Minnesota. Filed June 23, 1923. Serial No. 647,406. Original No. 1,448,537, dated Mar. 13, 1923, Serial No. 410,416, filed Sept. 15, 1920. 12 Claims. (Cl. 214—134.)



1. In a mechanical shovel, the combination with a portable inclined turntable, of a superstructure supported upon the turntable, an inclined track upon the superstructure, a reciprocable carriage upon the track, an auxiliary dipper stick pivotally carried upon the carriage, a dipper stick and dipper carried upon the auxiliary stick, and means for simultaneously operating both dipper sticks.

15,686. SPRING SUSPENSION. ROBERT H. HASSLER, Indianapolis, Ind. Filed Jan. 16, 1920. Serial No. 351,957. Original No. 1,293,425, dated Feb. 4, 1919, Serial No. 53,716, filed Oct. 2, 1915. 15 Claims. (Cl. 267—19.)



1. In a vehicle, a support, a vehicle spring, a supplementary leaf spring pivoted to the support, and means for connecting an end of the vehicle spring with said supplementary leaf spring with the free end of the supplementary leaf spring supported in suspension above the vehicle spring, said supplementary leaf spring being formed to increase its range of contact with its means for suspension above the vehicle spring as the load is increased.

15,687. GUIDE SHOWING COMPARATIVE EXPRESS AND PARCEL-POST SHIPPING RATES. CHARLES WILLIAM FLINT, Chicago, Ill. Filed June 8, 1923. Serial No. 644,272. Original No. 1,420,828, dated June 27, 1922, Serial No. 350,089, filed Jan. 8, 1920. 19 Claims. (Cl. 283—36.)

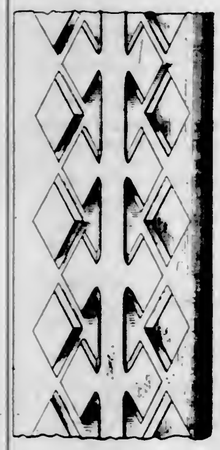


1. The herein described guide for showing comparative shipping rates or tariffs by parcel post and express comprising a list of shipping destinations arranged in alphabetical order by States or other geographical subdivisions in combination with a rate sheet for the said State or geographical subdivision, said rate sheet comprising tabulated express rates arranged in a plurality of columns designated by scale numbers with each of said columns containing graduated rates for shipments of different weights by express, parcel post rates arranged in tabulated form by zones in columns similar to said express rates and designated by zone numbers, and abbreviated key designations for indicating the numbers of the respective express blocks and parcel post units of area in which the various shipping destinations in the said list are located, said abbreviated key designations being also used to identify the corresponding express scale and parcel post zone columns of rates on the said rate sheet.

DESIGNS.

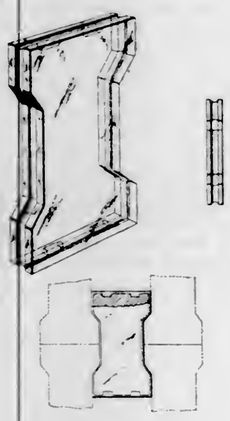
SEPTEMBER 18, 1923.

63,019. TIRE. HARRIS ALEXANDER, San Antonio, Tex. Filed Aug. 31, 1921. Serial No. 497,396. Term of patent 14 years.



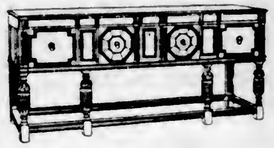
The ornamental design for a tire, as shown.

63,020. WALL PANEL. OLE ANDERSON, Hammond, Ind., assignor of one-half to Hjalmar Nilsson, Hammond, Ind. Filed Feb. 21, 1922. Serial No. 823. Term of patent 14 years.



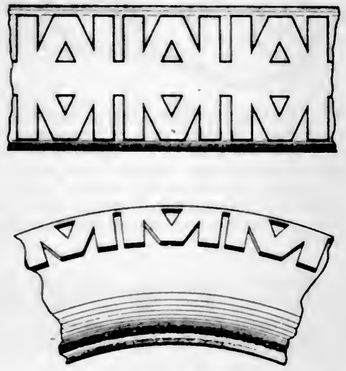
The ornamental design for a wall panel, as shown.

63,021. BUFFET. HANS BERG, Grand Rapids, Mich., assignor to Grand Rapids Chair Company, Grand Rapids, Mich., a Corporation of Michigan. Filed May 29, 1922. Serial No. 2,446. Term of patent 3½ years.



The ornamental design for a buffet, as shown.

63,022. TIRE. JOSEPH J. BLACK, Dayton, Ohio, assignor to The Master Tire & Rubber Company, Dayton, Ohio. Filed Feb. 23, 1922. Serial No. 855. Term of patent 3½ years.



The ornamental design for a tire, as shown.

63,023. TEA WAGON. THOMAS C. CAMERON, Grand Rapids, Mich., assignor to Imperial Furniture Company, Grand Rapids, Mich., a Corporation of Michigan. Filed Jan. 17, 1923. Serial No. 4,911. Term of patent 3½ years.



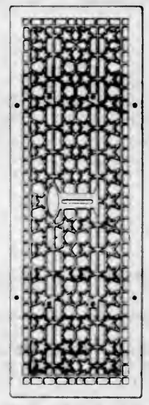
The ornamental design for a tea wagon, substantially as shown.

63,024. COMBINATION TRAY AND CONDIMENT HOLDER. ROMILDO CASCIANI, Trenton, N. J. Filed Dec. 6, 1922. Serial No. 4,513. Term of patent 7 years.



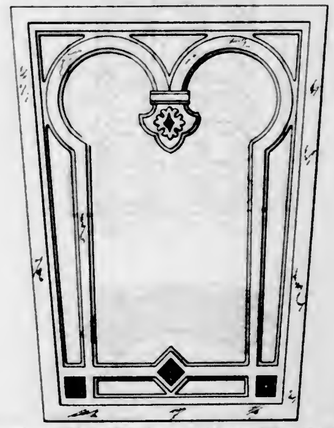
The ornamental design for a combination tray and condiment holder, as shown.

63,025. GRATING FOR AUTOMOBILE HEATERS. LEONARD F. CLERC, Detroit, Mich. Filed Oct. 12, 1922. Serial No. 3,946. Term of patent 3½ years.



The ornamental design for a grating for automobile heaters, as shown.

63,026. SIDE PANEL FOR LANTERNS. THURE E. DAHL, New York, N. Y., assignor to Lightolier Company, New York, N. Y., a Corporation of New York. Filed July 21, 1921. Serial No. 486,589. Term of patent 3½ years.



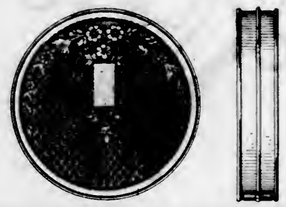
The ornamental design for a side panel for lanterns, as shown.

63,027. BOTTLE. BERNARD M. DOUGLAS, New York, N. Y., assignor to A. Bourjois & Co. Inc., New York, N. Y., a Corporation of New York. Filed Jan. 25, 1923. Serial No. 4,986. Term of patent 3½ years.



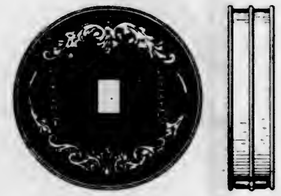
The ornamental design for a bottle substantially as shown.

63,028. VANITY BOX. T. CLYDE FOSTER, Providence, R. I., assignor to Theodore W. Foster & Bro. Co., Providence, R. I., a Corporation of Maine. Filed Aug. 28, 1922. Serial No. 3,574. Term of patent 3½ years.



The ornamental design for a vanity box, as shown.

63,029. VANITY BOX. T. CLYDE FOSTER, Providence, R. I., assignor to Theodore W. Foster & Bro. Co., Providence, R. I., a Corporation of Maine. Filed Aug. 28, 1922. Serial No. 3,575. Term of patent 3½ years.



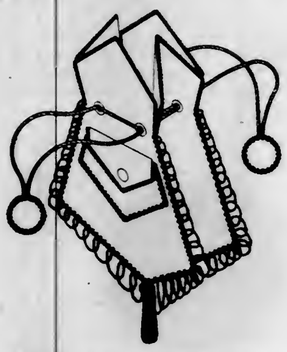
The ornamental design for a vanity box as shown.

63,030. VANITY BOX. T. CLYDE FOSTER, Providence, R. I., assignor to Theodore W. Foster & Bro. Co., Providence, R. I., a Corporation of Maine. Filed Aug. 28, 1922. Serial No. 3,576. Term of patent 3½ years.



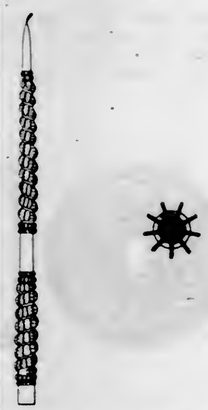
The ornamental design for a vanity box as shown.

63,031. HAND BAG. EDWARD R. FREE, Chicago, Ill. Filed Nov. 20, 1922. Serial No. 4,334. Term of patent 7 years.



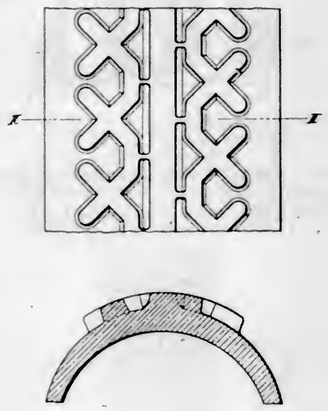
The ornamental design for a hand bag or similar article as shown.

63,032. CANDLE. ANGELUS E. GLISTRIDIS, New York, N. Y. Filed Oct. 9, 1922. Serial No. No. 3,918. Term of patent 14 years.



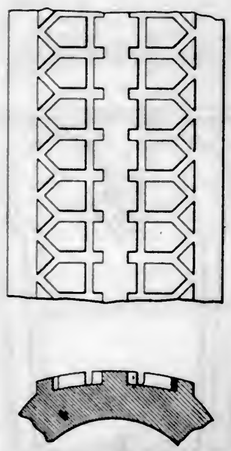
The ornamental design for a candle as shown.

63,033. VEHICLE TIRE. EDISON G. HULSE, Cumberland, Md., assignor to Kelly-Springfield Tire Company, Cumberland, Md., a Corporation of New Jersey. Filed Jan. 25, 1923. Serial No. 4,990. Term of patent 7 years.



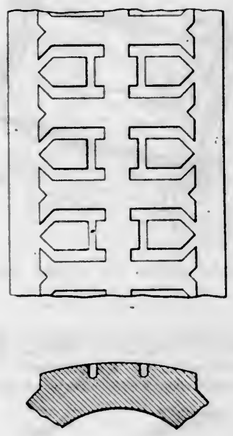
The ornamental design for a vehicle tire as shown.

63,034. TIRE TREAD. ELVIN H. JOHNSON, Chicago, Ill. Filed Dec. 7, 1922. Serial No. 4,515. Term of patent 7 years.



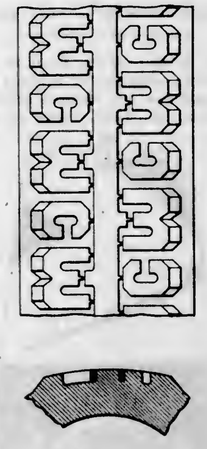
The ornamental design for a tire tread as shown.

63,035. TIRE TREAD. ELVIN H. JOHNSON, Chicago, Ill. Filed Dec. 7, 1922. Serial No. 4,516. Term of patent 7 years.



The ornamental design for a tire tread, as shown.

63,036. TIRE TREAD. ELVIN H. JOHNSON, Chicago, Ill. Filed Dec. 7, 1922. Serial No. 4,517. Term of patent 7 years.



The ornamental design for a tire tread, as shown.

63,037. ARM FOR LIGHTING FIXTURES. HENRY M. KOPSKY, Philadelphia, Pa. Filed Apr. 13, 1922. Serial No. 1,709. Term of patent 3½ years.



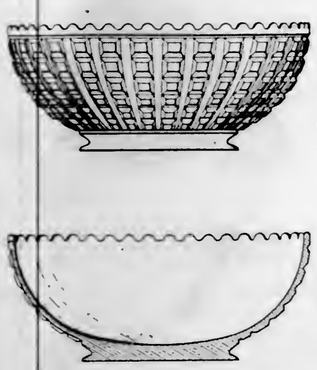
The ornamental design for an arm for lighting fixtures substantially as shown.

63,038. TIRE TREAD. HAROLD D. MITCHELL, Brooklyn, N. Y., assignor to Sheffield Clark, trustee, Nashville, Tenn. Filed Jan. 6, 1922. Serial No. 79. Term of patent 14 years.



The ornamental design for a tire tread as shown, and described.

63,039. GLASS DISH OR SIMILAR ARTICLE. CHARLES W. OLDHAM, Bellaire, Ohio, assignor to Imperial Glass Company, Bellaire, Ohio, a Corporation of West Virginia. Filed June 10, 1922. Serial No. 2,610. Term of patent 7 years.



The ornamental design for a glass dish or similar article, as shown.

63,040. TEAPOT OR SIMILAR ARTICLE. ALFRED H. SANDER, Maplewood, N. J., assignor to George Borgfeldt & Co., New York, N. Y., a Corporation of New Jersey. Filed Sept. 10, 1921. Serial No. 499,832. Term of patent 3½ years.



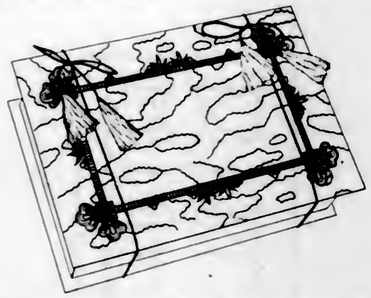
The ornamental design for a teapot or similar article substantially as shown and described.

63,041. RUBBER HEEL. GEORGE ROSS, Lorain, Ohio. Filed Mar. 16, 1922. Serial No. 1,206. Term of patent 14 years.



The ornamental design for a rubber heel as shown.

63,042. BOX. LESTER G. ROSSKAM, Philadelphia, Pa., assignor to Quaker City Chocolate & Confectionery Company, Philadelphia, Pa., a Corporation of Pennsylvania. Filed Jan. 11, 1923. Serial No. 4,861. Term of patent 7 years.



The ornamental design for a box, substantially as shown.

63,043. MESH BAG. HARRY BRADLEY ROWAN, North Attleboro, Mass., assignor to Whiting & Davis Company, a Corporation of Massachusetts. Filed June 28, 1922. Serial No. 2,873. Term of patent 7 years.



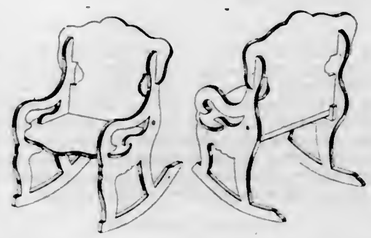
The ornamental design for a mesh bag as shown.

63,044. MESH BAG. HARRY BRADLEY ROWAN, North Attleboro, Mass., assignor to Whiting & Davis Company, a Corporation of Massachusetts. Filed June 28, 1922. Serial No. 2,874. Term of patent 7 years.



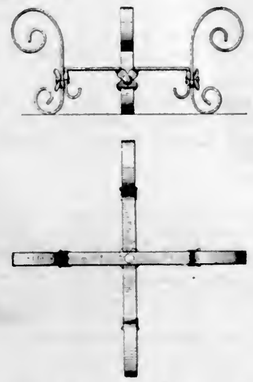
The ornamental design for a mesh bag as shown.

63,045. ROCKING CHAIR. ORLANDO B. STRICKLAND, Elyria, Ohio, assignor of one-half to Albert N. Lyberger, Elyria, Ohio. Filed Jan. 24, 1923. Serial No. 4,981. Term of patent 7 years.



The ornamental design for a rocking chair substantially as shown.

63,046. FLOWER-BOWL STAND. WILLIAM R. STUCK, Los Angeles, Calif., assignor to Dazey Manufacturing Company, Los Angeles, Calif., a Corporation of California. Filed Feb. 10, 1923. Serial No. 5,144. Term of patent 3½ years.



The ornamental design for a flower bowl stand.

PATENTS

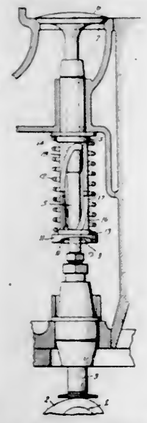
GRANTED SEPTEMBER 18, 1923.

1,467,990. GATE FASTENER. EDWIN ALLEN, Galesburg, Ill., assignor of one-half to Edward J. King, Galesburg, Ill. Filed Nov. 1, 1920. Serial No. 420,885. 5 Claims. (Cl. 292—93.)



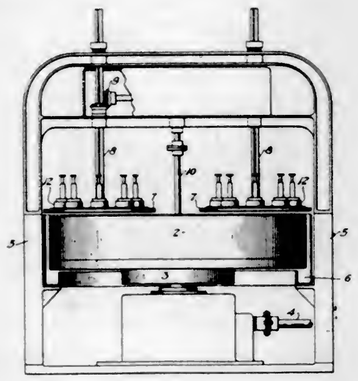
1. In a gate structure, the combination with upright elements defining the gate opening and a gate proper hinged at one of its ends to one of said elements to swing about a vertical axis; of releasable locking means for the gate; means arranged to be operated by a vehicle wheel, said means being pivoted about a horizontal axis and provided with vehicle wheel contacting elements rigid therewith extended to both sides of the gate, the free ends of said elements being normally spaced from the gate proper, a distance sufficient to allow full operative movement of the pivoted means and adapted to be engaged directly by the vehicle wheel and moved inwardly toward the gate prior to a possibility of the vehicle wheel engaging the gate proper on either side; and devices interposed between said pivotally mounted means and said locking means operable to release the latter upon actuation of said pivotally mounted means.

1,467,991. SELF-GRINDING POPPET VALVE. MARCUS O. ANTHONY, New York, N. Y., assignor to Continental Engineering Corporation, Omaha, Nebr. Filed Sept. 25, 1920. Serial No. 412,759. 2 Claims. (Cl. 123—90.)



1. In an internal combustion engine, the combination, with a poppet valve, of a pair of spaced washers surrounding the valve stem outside of the valve guide, one of said washers being seated around the end of the valve guide and the other being non-rotatably secured to the stem, there being a pair of prongs projecting from each washer toward the other and having axially inclined contacting faces, and a helical valve seating spring interposed between the washers and surrounding the prongs, the ends of the spring being non-rotatably secured to the respective washers, and the direction of coiling the spring being such as to oppose the wedging effect of said prongs.

1,467,992. CLAMPING MECHANISM. FRED C. BECKER, Jeannette, Pa., assignor to Westmoreland Specialty Company, Grapeville, Pa., a Corporation of Pennsylvania. Filed Jan. 5, 1922. Serial No. 527,191. 4 Claims. (Cl. 51—217.)

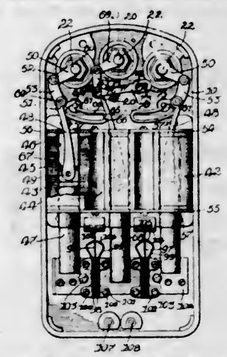


1. A clamp of the class described consisting of a cylindrical body portion having a centrally recessed bottom for reception of a ware unit and a series of longitudinal radial slots, a plurality of grasping arms pivotally mounted in said slots and having inwardly sloping terminals adapted to engage a ware unit to hold it in the recessed bottom, a tubular stem extending centrally above the cylindrical body, a sleeve slidably mounted thereon, toggle links connecting the arms with said sleeve, and a stem centrally mounted within the tubular stem connected with the sleeve and provided with an operating terminal.

1,467,993. AUTOMOBILE SIGNAL. JAMES B. BLAIR, Decatur, Ill.; Ora Mueller Blair, administratrix of said James B. Blair, deceased, assignor, by mesne assignments, to Ora Mueller Blair, Decatur, Ill. Filed Aug. 23, 1919. Serial No. 319,391. 18 Claims. (Cl. 177—329.)

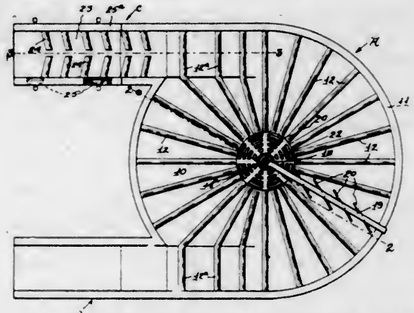
1. In an indicator of the kind described, a casing, a stop signal adapted to be swung from depending position within the casing to an upstanding indicating position, a pivot on which the signal is mounted, and means for swinging the signal through an arc of substantially 180°, said means comprising a crank arm on the pivot, a link connected to the crank arm, a vertically movable operator

within the casing, an operating link connecting the operator with the first link, a second link pivotally connected



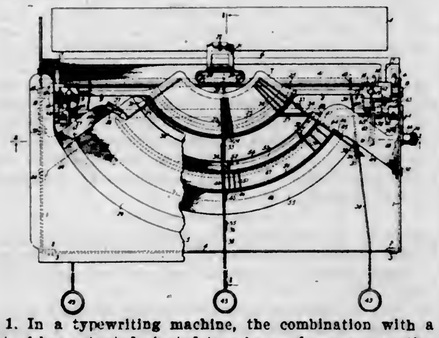
to the two links at their pivotal connection, its opposite end being pivotally mounted on said casing to control said first link during the operation of said stop signal.

1,467,994. WASHING BOWL. CARL P. BOHLAND, St. Paul, Minn. Filed Nov. 7, 1921. Serial No. 513,520. 7 Claims. (Cl. 141—1.)



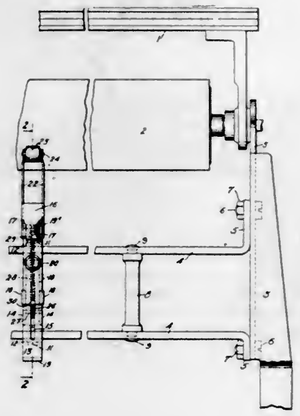
1. A device of the class described, comprising a shallow receptacle for a washing fluid having means of ingress and egress for vehicles, the bottom of the receptacle providing a submerged course of travel for the vehicles, the surface of said bottom being irregular to promote agitation in the washing fluid.

1,467,995. TYPEWRITING MACHINE. HERBERT E. BRIDGWATER, Syracuse, N. Y., assignor to Remington Typewriter Company, Ilion, N. Y., a Corporation of New York. Filed Jan. 31, 1922. Serial No. 532,983. 39 Claims. (Cl. 197—186.)



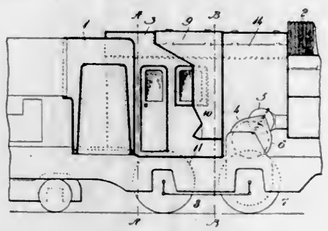
1. In a typewriting machine, the combination with a set of key actuated pivoted type bars, of means operative to communicate simultaneously to all of said type bars compound bodily and pivotal movements, the bars being moved bodily with their pivots and at the same time turning on their pivots so as to change the type bars from a condition of disuse to a condition wherein they may be actuated to print by their keys, such compound movement of the type bars changing the typewriting machine from a compact or collapsed condition to an expanded or extended condition.

1,467,996. TYPEWRITING MACHINE. HERBERT E. BRIDGWATER, Syracuse, N. Y., assignor to Remington Typewriter Company, Ilion, N. Y., a Corporation of New York. Filed Oct. 16, 1922. Serial No. 594,689. 10 Claims. (Cl. 197—138.)



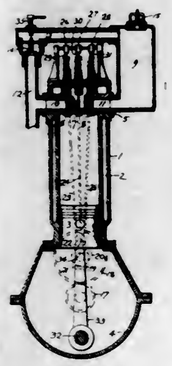
1. In a typewriting or like machine, the combination of a platen, a carrier mounted to slide towards and away from the platen, a paper feed device carried by said carrier, and a spring pressed pivoted member coacting with said carrier and automatically operative to hold it under spring pressure in either its projected position of use with said feed device bearing against the platen or in the retracted ineffective position depending on which position the carrier may be shifted to by hand.

1,467,997. COAL BUNKER FOR LOCOMOTIVES. ISIDOR BROBERG, Skarsatra, Lidingon, Sweden, assignor to Aktiebolaget Ljungströms Angturbin, Stockholm, Sweden, a Corporation. Filed Aug. 29, 1922. Serial No. 585,023. 2 Claims. (Cl. 105—237.)



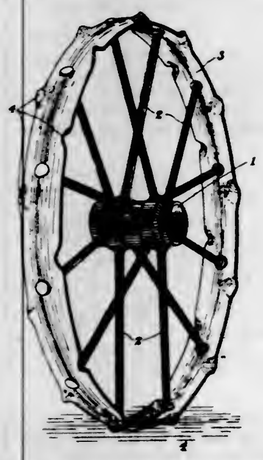
1. A coal-bunker for locomotives provided with condensers, characterized by the coal-bunker being located in the upper part of the driver's cab and provided with a discharge-hopper preferably situated in the rear part of the cab.

1,467,998. COMBUSTION ENGINE. WILLIAM BROWN, Annandale, New South Wales, Australia. Filed Sept. 17, 1920. Serial No. 410,885. 2 Claims. (Cl. 123—75.)



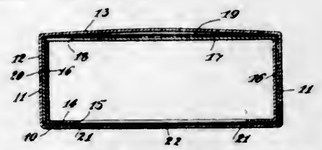
1. In a combustion engine, a cylinder having ports therein, a piston reciprocally mounted in said cylinder, a main inlet valve controlling one of said ports, a gaseous fuel reservoir communicating with another of said ports, a valve in the last mentioned port controlling passage of gaseous fuel between the cylinder and the reservoir, actuating means for the inlet valve, actuating means for the second mentioned valve operating to open the latter substantially coincident with the closure of the main inlet valve to establish communication between the cylinder and reservoir and to maintain said communication throughout a portion of the compression stroke of the piston, a fuel induction pipe associated with the first mentioned port, a non-return valve adapted to permit admission of combustible gas to said reservoir from the induction pipe during the latter part of the suction stroke of the piston and while the reservoir is in communication with the engine cylinder.

1,467,999. WHEEL. THEOPHILUS BROWN, Moline, Ill., assignor to Deere & Company, Moline, Ill., a Corporation of Illinois. Filed Aug. 22, 1921. Serial No. 494,035. 4 Claims. (Cl. 301—43.)



2. A metal wheel comprising a hub, a sheet metal rim arcuate in cross-section and having its margins bent outwardly at intervals to form lugs the outer extremities of which are substantially level with the crown of the rim, and spokes connected directly to the rim, and to the hub.

1,468,000. CONTAINER. ROBERT BUEDINGEN, Rochester, N. Y. Filed Oct. 10, 1921. Serial No. 506,566. 6 Claims. (Cl. 229—6.)



1. In a container, in combination, a powder retainer having an inwardly extended flange; a fragile top covering the open side of the retainer and attached to the sides thereof; a supporting member for the fragile top; a surrounding member attached to the retainer; a container bottom; and a sealing member centrally attached to the inner face of the bottom, the outward portion of the sealing member being unattached to the bottom, whereby the attachment of the free portions of the sealing member to the retainer flange will produce a closure of the retainer.

1,468,001. MAGAZINE CRAYON AND LEAD HOLDER. WILLIAM FRANCIS BULL, New York, N. Y. Filed June 7, 1922. Serial No. 566,575. 5 Claims. (Cl. 120—14.)

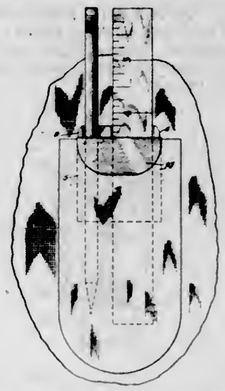


4. In a magazine crayon or lead holder, a slidable outer tubular casing, an inner tubular shell having a nozzle on its lower end provided with an eccentrically positioned outlet and an open upper end having an annular series of recesses, and a magazine mounted in said inner shell, said magazine having a plurality of channels for containing leads or crayons and intermediate pockets for containing reserve leads or crayons, and a cap rotatable on said outer casing, and a plunger fixed to said cap and having a plurality of depending short prongs for engaging the recess of said shell and a plurality of relatively long prongs for engaging the channels of the magazine, and indicator means for gaging the movements of said magazine.

1,468,002. HOLDER FOR MACHINISTS' SCALES AND PENCILS. EGNAR C. CARLSON, Rockford, Ill. Filed Dec. 24, 1921. Serial No. 524,579. 1 Claim. (Cl. 24—3.)

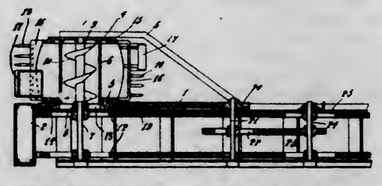
A pencil and scale holder comprising a front and a back sheet metal part, the latter being shaped to provide two front-facing channels reaching from top to bottom,

one semi-circular and the other rectangular in cross-section for the endwise reception of a pencil and a scale, respectively, and being further shaped to provide marginal edges contiguous to the other sides of said channels, the front part being flat and clamped along its side edges to said marginal edges of the back part so as to close the open face of said channels, and the top end of said



front part being turned downwardly and forwardly below the upper end of the back part leaving the latter extending so as to provide an open throat to said channels, said turned end of the front part providing a spring clip reaching from side to side of the holder for attachment over the edge of a pocket or the like, for holding the flat front side of the holder flat against such pocket edge.

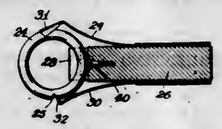
1,468,003. MEANS FOR USE IN THE DISCHARGING OF COAL AND OTHER MATERIALS FROM SHIPS' HOLDS, TRUCKS, OR THE LIKE. PATRICK JOHN CAVANAGH, Petone, New Zealand. Filed Feb. 14, 1920. Serial No. 358,652. 2 Claims. (Cl. 198—9.)



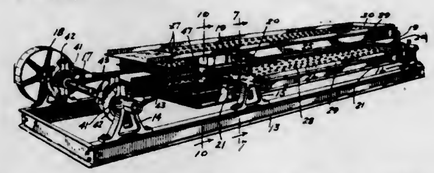
1. Means for the purposes herein described, consisting in the combination with an ordinary bucket elevator, of an open topped trough extending laterally and horizontally from the bottom end thereof and open at its inner end, a spindle extending longitudinally through such trough and axially continuous with and locked to the bottom tumbler spindle of the elevator, a screw conveyor fixed upon the spindle extending through the trough, and lifting buckets mounted to rotate in a vertical plane around the trough, adapted to lift the material and discharge it into the trough, substantially as specified.

1,468,004. TOY SHOOTER. DANTE CAVICCHIOLI, New York, N. Y. Filed Feb. 7, 1923. Serial No. 617,451. 6 Claims. (Cl. 124—10.)

6. A shooter device of the class described comprising a handle member provided at one end with a pair of oppositely disposed spring members between which a ring body is adapted to be placed, another pair of oppositely disposed spring members adapted to engage the periphery of a ring body and by means of which said ring body may be discharged from said shooter device, one of said last named spring members being provided with a part adapted to engage a recess in a ring body, the other of said spring members being curved to correspond with the curvature of the ring body, and means mounted in the handle member for adjusting the shooter device to large or small ring bodies.

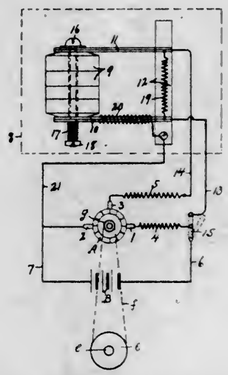


1,468,005. SCREENING MACHINE. JOSEPH A. COYLE and CHARLES H. ROTH, Minneapolis, Minn. Filed Jan. 30, 1922. Serial No. 532,824. 17 Claims. (Cl. 83—56.)



1. The combination with a rock shaft, of upwardly and downwardly extended rocker arms on the rock shaft, upper and lower sieve-equipped frames carried, respectively, by the upwardly and downwardly extended rocker arms, a driving shaft having cranks set one ahead of the other, and connecting rods operated by the cranks and connected by independent pivots, the one to the upper sieve-equipped frame and the other to the lower sieve-equipped frame, said pivots being arranged to oscillate the sieve-equipped frames but to maintain positions closely in the vicinity of a common plane that intersects the axes of the rock shaft and the driving shaft.

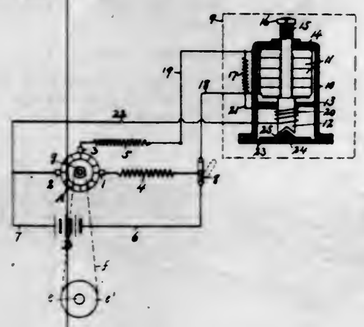
1,468,006. REGULATING SYSTEM FOR ELECTRIC GENERATORS. ALBERT E. DOMAN, Elbridge, N. Y., assignor to Doman Manufacturing Corporation, Elbridge, N. Y., a Corporation of New York. Filed Nov. 21, 1919. Serial No. 339,548. 2 Claims. (Cl. 171—229.)



1. A voltage regulator for variable speed dynamo electric machines comprising thermostatic bars, adapted to form a part of the dynamo circuit and arranged to flex in the same direction under like temperatures, an electric resistance pile supported under pressure by and be-

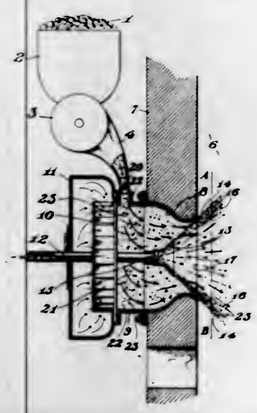
tween the flexing portions of said bars, and an electric heater adjacent one of said bars and adapted to be connected across the dynamo circuit to cause a variation of said pressure as the speed of the dynamo varies.

1,468,007. REGULATING SYSTEM FOR ELECTRIC GENERATORS. ALBERT E. DOMAN, Elbridge, N. Y., assignor to Doman Manufacturing Corporation, Elbridge, N. Y., a Corporation of New York. Filed Nov. 21, 1919. Serial No. 339,549. 3 Claims. (Cl. 171—229.)



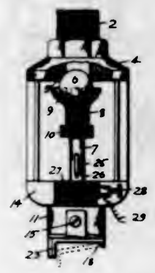
1. A voltage regulator for variable-speed dynamo-electric machines, comprising relatively movable parts spring pressed toward each other, a resistance pile adapted to be connected in the dynamo circuit and having its members yieldingly pressed together by said parts, electromagnetic means adapted to be energized by the dynamo current for reducing the pressure of said members against each other as the voltage of the dynamo increases beyond a certain degree, said means including an armature for the magnet and a thermostatic member supporting the armature and operatively secured to one of the first-named parts.

1,468,008. PROCESS OF AND APPARATUS FOR BURNING POWDERED FUEL. CHARLES W. DYSON, U. S. Navy. Filed Nov. 18, 1922. Serial No. 601,844. 3 Claims. (Cl. 110—22.)



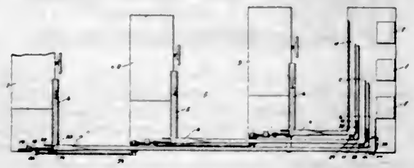
1. The process of burning powdered fuel in a furnace chamber which consists in intimately mixing said fuel with air while in rotation; forming the rotating mixture into a hollow cone of a diameter sufficient to fill the fuel inlet to the furnace chamber, when it enters the latter; causing said cone to admix with a hollow cone of finely divided liquid fuel; and passing both cones into said chamber for ignition, substantially as described.

1,468,009. AUTOMATIC FIRE-EXTINGUISHING WATER SPRINKLER AND ALARM. HARRY EASTMAN, Darlinghurst, Sydney, New South Wales, Australia. Filed May 15, 1920. Serial No. 381,612. 2 Claims. (Cl. 164—41.)



1. In an automatic fire extinguishing water sprinkler, a frame provided with a discharge port terminating in a valve seat, a ball valve normally engaged with said seat, means normally retaining the ball valve in engaging with the seat, said retaining means including a bracket carried by the frame, depending extensions carried by said bracket, one of said extensions having a slot therein and the other extension constituting an abutment, a slip plate having reduced extremities respectively engaged in the slotted extension of the bracket and abutting the second mentioned extension of the bracket, and fusible means normally maintaining the slip plate in position.

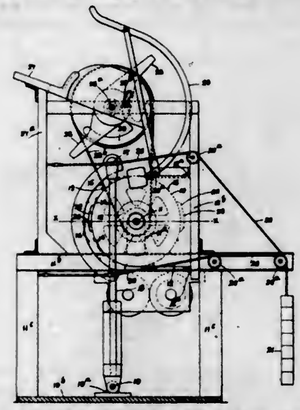
1,468,010. PACKETING DEVICE FOR BOXES AND THE LIKE. GUNNAR CHRISTIAN EKSTRÖM and GUSTAF ÖRSTRÖM, Stockholm, Sweden, assignors to Aktiebolaget Gehr. Arehns Mekaniska Verkstad, Stockholm, Sweden, a Corporation of Sweden. Filed July 13, 1920. Serial No. 396,013. 4 Claims. (Cl. 198—19.)



1. In a device for packeting packets delivered from a machine, the combination of a packeting table, guiding means for packets, located between the machine and the said table and comprising channels forming an angle with each other, and means for transmitting substantially horizontal sets of packeta from one channel to the subsequent channel, the channel last mentioned being helicoidal for an angle of 90°, so that the said sets will be shifted to a vertical position.

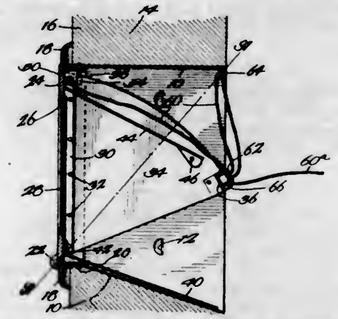
1,468,011. MEANS FOR STRIPPING THE HUSKS FROM COCONUTS. OSWALD ELSWORTH, Newcastle-upon-Tyne, England. Filed Apr. 2, 1923. Serial No. 629,291. 9 Claims. (Cl. 146—7.)

8. Means for stripping the husks from coconuts comprising alternate series of fixed and traveling teeth whereby the fibres of the husks are loosened and torn apart, an element arranged to hold the coconut in contact



with the teeth, and means for removing the loosened husks from the nuts.

1,468,012. COAL CHUTE. JOHN S. ERSKINE, Freeport, Ill., assignor to Stover Manufacturing & Engine Co., Freeport, Ill., a Corporation of Illinois. Filed Mar. 14, 1922. Serial No. 543,558. 5 Claims. (Cl. 193—34.)



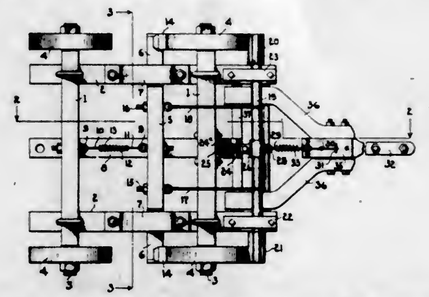
1. In mechanism of the class described, in combination with a chute having one end to be closed, a door pivoted to swing to two different positions, in one of which it closes said chute and in the other of which it is inclined thereto for the reception of material to pass through the chute, and a single operating mechanism located at a distance from the chute end which is opposite to the door, adapted for manipulation by an operator to open or close the chute door as the case may be.

1,468,013. KEY-RING HOLDER. CARMINE EXPOSITO, Connellsville, Pa. Filed Nov. 22, 1922. Serial No. 602,583. 3 Claims. (Cl. 24—3.)



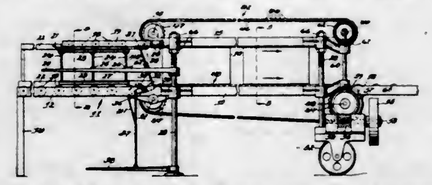
1. A device of the class described including a shank, supporting means for the shank, a pair of laterally disposed arms extending from one end of the shank and curved inwardly so as to terminate at an intermediate portion of the shank, said terminals overlapping each other.

1,468,014. BRAKE FOR VEHICLES. WILLIAM MARCUS FORSYTH, Dubach, La., assignor of one-half to John P. Voss, Dubach, La. Filed Dec. 14, 1921. Serial No. 522,337. 5 Claims. (Cl. 188—142.)



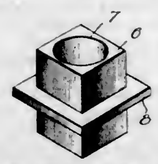
1. In a device of the character described, a wheeled supporting frame, a slidably mounted brake beam having brake shoes, a shaft rotatably and slidably mounted on the frame, friction wheels on said shaft, a grooved pulley loosely mounted adjacent the shaft, a flexible element connected with the shaft and movable over the pulley, a lever connected to the flexible element, a second lever pivotally mounted on the tongue of the vehicle and having means for connecting it to the neck yoke or collar of a draft animal, a link connecting the levers in operative relation, and a second flexible element connected at one end to the shaft and adapted to be wound thereon, the other end of the second flexible element being connected to the slidable brake beam.

1,468,015. CARTON-SEALING MACHINE. CHARLES C. GAMM, St. Paul, Minn., assignor to Waldorf Paper Products Company, a Corporation of Minnesota. Filed Mar. 8, 1922. Serial No. 542,024. 17 Claims. (Cl. 93—2.)



1. In a sealing machine a table, means for applying pressure to the upper surfaces of fibre containers on said table, stationary and transversely movable squaring elements arranged to bear upon the lateral surfaces of containers on said table and traveling means for continuing pressure on the upper surfaces of the containers.

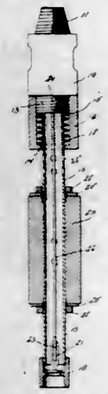
1,468,016. FLUE STRUCTURE. FREDERICK W. GRAPERHAUS, Chicago, Ill. Filed Apr. 21, 1919. Serial No. 291,556. 2 Claims. (Cl. 72—94.)



1. A flue lining section comprising a body having a centrally located round bore and a rectangular exterior provided with a peripheral flange encircling said body,

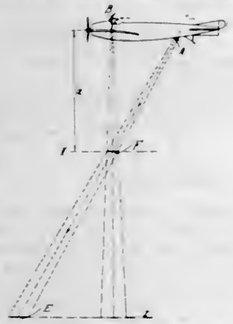
and lying all in one plane, said flange having a thickness of a single layer of brick or masonry and being centrally located between the ends of the section whereby the section may readily be built into a masonry structure either end up.

1,468,017. SWAB. WALTER GEHLBACH, Independence, Kans. Filed Apr. 19, 1921. Serial No. 462,654. 3 Claims. (Cl. 166—19.)



1. A swab for wells, comprising a hollow tubular member, a piston secured thereon, a coupling yieldably connected to one end of the tubular member, said tubular member having openings therein between the piston and coupling, a valve provided in the lower end of the tubular member and means whereby relative movement of the coupling and tubular member will operate the valve.

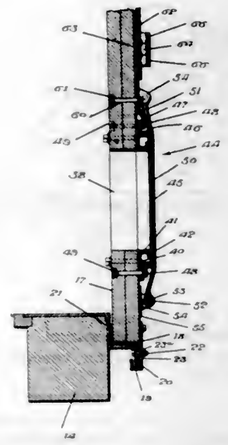
1,468,018. METHOD OF AND SYSTEM FOR DETERMINING FROM AN AIRCRAFT THE ELEVATION ABOVE THE GROUND. OSCAR GERHARDT, Berlin-Lichterfelde, Germany. Filed Sept. 3, 1921. Serial No. 498,457. 9 Claims. (Cl. 88—24.) (Granted under the provisions of the act of Mar. 3, 1921, 41 Stat. L., 1313.)



1. The method of ascertaining the distance of a craft from the ground, which consists in throwing a single beam of light from a suitable point of the craft on the ground, and ascertaining the elevation as a function of the angle included between said beam of light and light reflected from the ground to a point on the craft located at a distance from the point from which said beam of light is emitted.

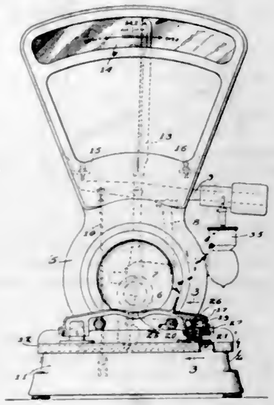
1,468,019. FREIGHT-CAR DOOR. JOHN LAYTON GUERRANT, Sedalia, Mo. Filed Nov. 22, 1920. Serial No. 425,782. 11 Claims. (Cl. 20—22.)

1. A freight car door construction comprising a door frame having a sill, a door mounted for sliding movement, a rail strip secured to the sill and projecting under the lower edge of the door, said strip having a depending flange below the door, a strip to overlap the lower edge portion of the door and said flange, the last named strip engaging the outer face of the edge portion of the door



throughout the width of said door, and means for engaging the last named strip to clamp it against said flange in order to prevent leakage under the lower edge of the door.

1,468,020. WEIGHING SCALE. HALVOR O. HEM, Toledo, Ohio, assignor to Toledo Scale Company, Toledo, Ohio, a Corporation of New Jersey. Filed Aug. 15, 1918. Serial No. 249,972. 15 Claims. (Cl. 265—27.)

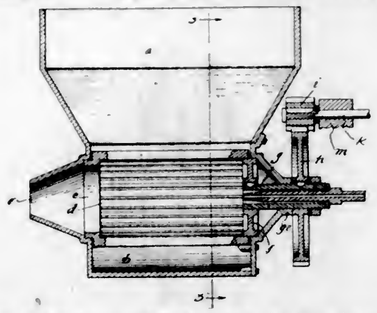


1. In a weighing scale, in combination, a main platform, an auxiliary platform resiliently mounted thereon, and means for placing the resilient mounting of the auxiliary platform under adjustable tension.

1,468,021. METHOD AND APPARATUS FOR BURNING HYDROCARBONS. WILLIAM M. HOFFMAN, Buffalo, N. Y., assignor, by mesne assignments, to Oil Fuel Engineering Corporation, a Corporation of New York. Filed July 16, 1921. Serial No. 485,198. 6 Claims. (Cl. 126—181.)

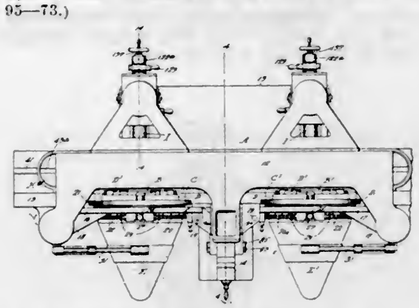
1. In a burner, a fuel receptacle, a hollow rotatably-mounted grate open at one end positioned within said

receptacle in such a manner that fuel may be disposed around the exterior grate surface, means for rotating said



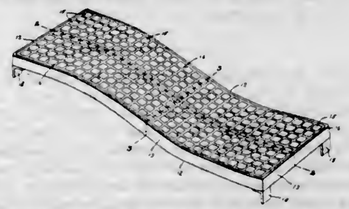
grate, means for projecting a vapor jet into the end of said grate opposite the open end.

1,468,022. PHOTOGRAPHIC-PRINTING APPARATUS. WILLIAM C. HUEBNER, Buffalo, N. Y., assignor to Huebner-Bleistein Patents Company, Buffalo, N. Y. Filed Apr. 7, 1919. Serial No. 287,945. 29 Claims. (Cl. 95—73.)



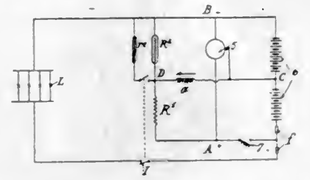
1. In a photographic printing apparatus, the combination of means for supporting two sensitized plates side by side facing the same way, means for supporting a transparent printing plate opposite each of said sensitized plates, common means for causing simultaneous like relative adjustments between both of said sensitized plates and the opposing printing plates in a direction for placing the printing plates opposite different corresponding portions of the two sensitized plates, means for independently adjusting said printing plates toward and from said sensitized plates, and common means for placing said printing plates and sensitized plates into and out of contact, and means for causing an intimate contact of the sensitized and printing plates.

1,468,023. TRACTION PLATE FOR USE WITH MOTOR-VEHICLE WHEELS. SOPHIA B. JOHNSON, Boston, Mass. Filed Mar. 24, 1923. Serial No. 627,491. 4 Claims. (Cl. 238—14.)



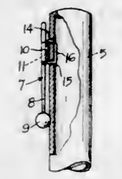
1. A traction plate comprising a shallow pan composed of a bottom and a marginal curb rising from the bottom; and a filler occupying and secured to the pan and having a rigid frictional upper surface forming a wheel track, and adapted to positively support and minimize slipping of an elastice tire tread thereon.

1,468,024. APPARATUS FOR REGULATING THE VOLTAGE OF DYNAMOS. ALEXIS JOSEPH JULLIN, St.-Cloud, France. Filed May 20, 1920. Serial No. 382,922. 3 Claims. (Cl. 171—229.) (Granted under the provisions of the act of Mar. 3, 1921, 41 Stat. L., 1313.)



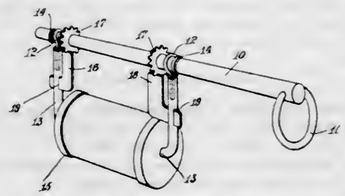
1. The combination with a dynamo adapted to operate with varying speed and load and having a field magnet winding and an auxiliary brush, said field magnet winding being connected at one terminal to said auxiliary brush of a main resistance having a determined temperature coefficient and an auxiliary resistance having a different temperature coefficient connected in series and connected to the terminals of the armature of the dynamo and means for connecting the other terminal of the field magnet winding to the point of connection between the main resistance and the auxiliary resistance.

1,468,025. CLIP FOR FOUNTAIN PENS. DAVID KLEIN, New York, N. Y., assignor to Marx Finstone, Brooklyn, N. Y. Filed Feb. 10, 1923. Serial No. 618,197. 1 Claim. (Cl. 24—11.)



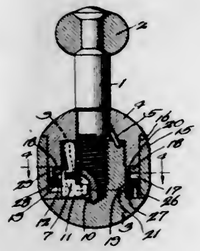
The combination with the cap member of a writing implement having openings therein; of a clip, a fastening element associated with said clip, projections on said clip for engaging and holding said fastening element in contact with the clip, and means on said fastening element adapted to pass through the openings in said cap member to secure said clip to said cap member.

1,468,026. BABY RATTLE. HENRY LEVY, Brooklyn, N. Y. Filed May 29, 1922. Serial No. 564,306. 4 Claims. (Cl. 46—46.)



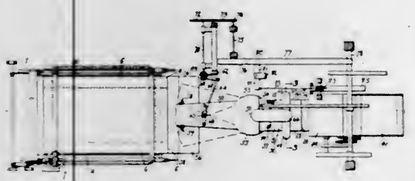
1. A rattle having a holder and a stirrup movable relatively thereto, said stirrup comprising a single piece of tubing having its ends bent at right angles, a shell carried by the closed end of the stirrup, eyes inserted in the bore of the ends of the tubing and adapted to loosely embrace the said holder, and means carried by the holder and the stirrup to produce a rattling noise when the latter is revolved with respect to the holder.

1,468,027. LOCKING MECHANISM. JOHN F. LINDBERG, Chicago, Ill. Filed Sept. 10, 1921. Serial No. 499,652. 1 Claim. (Cl. 70—19.)



The combination with a bolt; of a nut in threaded engagement with the bolt; a holding pawl for preventing the nut from turning upon the bolt; and a combination lock for holding the holding pawl in functioning position and including a plurality of rings surrounding the pawl, bolt and nut and formed to have sequential engagement and having recesses into which said pawl may be moved to releasing position, said recesses registering for this purpose when the engageable rings are in engagement.

1,468,028. PNEUMATIC FEEDING DEVICE. FREDERICK MAUSSNER, Collingswood, N. J., and ISAAC B. RITTER, Philadelphia, Pa., assignors to Henry Wilhelm Company, Pittsburgh, Pa., a Corporation of Pennsylvania. Filed July 16, 1921. Serial No. 485,338. 7 Claims. (Cl. 19—72.)



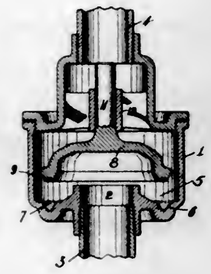
1. A feeding device for a material treating machine, comprising a nozzle, a tube to which the nozzle is pivotally connected, means for supplying a blast of air through the tube for carrying loose material through the nozzle and into the said machine, and means for oscillating the free end of the nozzle to distribute the material throughout the width of the receiving end of the machine.

1,468,029. PLASTIC COMPOSITION. CHARLES NOLL, Cleveland, Ohio. Filed Nov. 21, 1921. Serial No. 516,685. 10 Claims. (Cl. 106—25.)

1. A composition for making plaster containing slaked lime, clay, silica sand, flour, and cement.

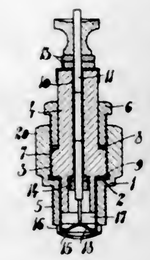
1,468,030. VALVE. EDWARD I. PEARSON, Toledo, Ohio. Filed Nov. 12, 1921. Serial No. 514,445. 4 Claims. (Cl. 251—127.)

2. In a fluid line, a valve casing having inlet and outlet openings, a valve seating recess in its bottom, mercury in said recess, and a valve movable in the casing to open and close the fluid line and having a portion complemental to the recess for seating therein and provided



with a groove which cooperates with the recess to trap a portion of the mercury within the recess when the valve is seated.

1,468,031. SPARKING PLUG. PER DAN PETERSON, Lidkoping, Sweden. Filed Feb. 1, 1921. Serial No. 441,627. 1 Claim. (Cl. 123—169.)

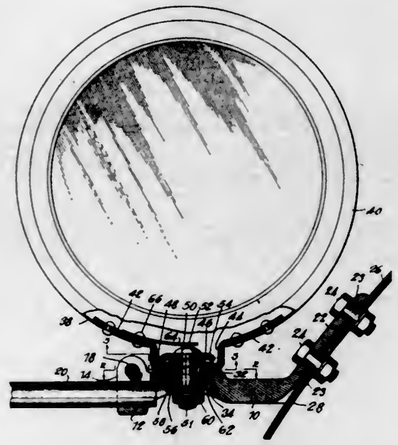


A spark plug comprising an insulating tube having an axial bore enlarged at its lower end to form a chamber, a metallic casing surrounding the tube and extending below the lower end of the latter and forming a continuation of said chamber, a rod-shaped electrode extending through the bore of the tube substantially to the lower end of the casing, an adjusting nut on the electrode at the top of said chamber, a U-shaped electrode having its ends clamped between coacting shoulders formed on the tube and casing and extending below the lower end of the latter, the central portion of the U-shaped electrode being curved toward the end of the rod-shaped electrode and extending into the chamber, and a cover connected to the lower end of the casing having a central aperture therein and forming an open explosion chamber at the lower end of the casing.

1,468,032. HEADLAMP SUPPORT. WALTER F. PFANDER, Yonkers, N. Y., assignor to Durant Motors Incorporated, a Corporation of Delaware. Filed Jan. 27, 1922. Serial No. 532,095. 2 Claims. (Cl. 240—57.)

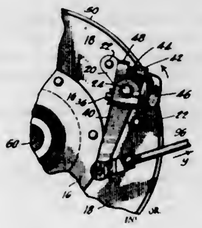
1. In a device of the kind described, a supporting member having a chambered boss formed thereon, the outer and inner surfaces of which are substantially spherical, a head lamp having a bracket secured thereto which is formed with a depending hollow boss whose lower wall is shaped to fit the spherical surface of the first named boss, a bolt having its head positioned in said depending

hollow boss and extending through said bosses, a collar and clamp nut for securing said head lamp in a desired position of adjustment and a spring finger in said lamp



bracket pressing against the head of said bolt to hold said bolt in position when said lamp is removed from said support.

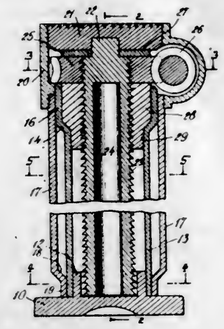
1,468,033. BRAKE-ADJUSTING MEANS. WALTER F. PFANDER, Yonkers, N. Y., assignor to Durant Motors Incorporated, a Corporation of Delaware. Filed Apr. 15, 1922. Serial No. 553,004. 4 Claims. (Cl. 188—196.)



2. In combination with a friction brake band and brake drum, a cam for causing said band to grip said drum, and means for actuating said cam including an operating lever having an adjusting screw and means operatively connected with said cam adapted to be engaged by said adjusting screw.

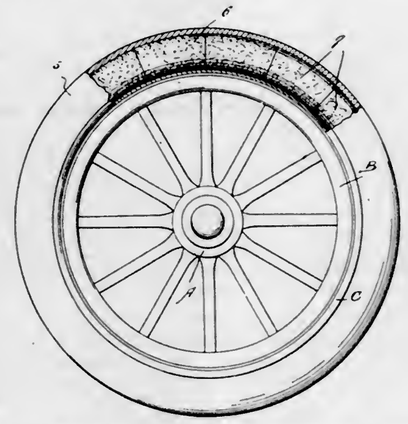
1,468,034. LIFTING JACK. MALCOLM D. RIKER, Dover, N. J., assignor to McKiernan-Terry Drill Company, a Corporation of New Jersey. Filed Dec. 26, 1918. Serial No. 268,348. 12 Claims. (Cl. 254—103.)

12. A lifting jack comprising an inner member having a longitudinally short portion with an external circumferentially continuous cylindrical surface and a longitudinally longer portion with a flat side; an outer member having a longitudinally long portion with an internal circumferentially continuous cylindrical surface with which the cylindrical portion of the inner member forms a sliding fit, and a longitudinally shorter portion with a



flat side forming a sliding engagement with the long flat side of the inner member, and means for relatively sliding said members.

1,468,035. TIRE FILLER. GEORGE M. SCHWENDLER, Appleton, Wis. Filed Jan. 24, 1923. Serial No. 614,561. 1 Claim. (Cl. 152—5.)



A tire filler of the class described including an annular body of compressed cork having a circular and uniform cross-section throughout, and composed of a series of similar arcuate sections arranged in end to end contiguous relation.

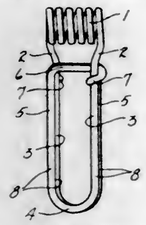
1,468,036. REDWOOD-BARK WALL BOARD. JOHN K. SHAW, Minneapolis, Minn. Filed Oct. 23, 1920. Serial No. 419,048. 6 Claims. (Cl. 154—45.9.)

1. The herein described wall fibre board composed of different layers one of said layers consisting of the fibres of redwood bark and one of said layers consisting of other vegetables fibres and the fibres of all of said layers interlaced with each other, substantially as described.

1,468,037. CLOTHESPIN. FRED SHEPHERD, Ohley, W. Va. Filed July 15, 1922. Serial No. 575,149. 1 Claim. (Cl. 24—139.)

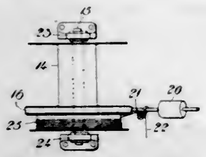
A clothes pin made of a length of wire and embodying a central coil spring, insets in the wire at the ends of the spring, straight away extensions of the wire from the

insets, bends in the wire at the ends of the said extensions, back extensions in the wire parallel to the straight away extensions, inward bends in the wire near the coil



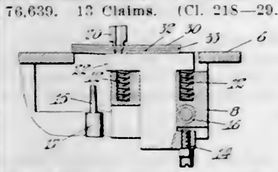
spring, and outwardly turned hooks in the ends of the wire engaging the shanks of the first straight away extensions.

1,468,038. SAFETY ARRANGEMENT FOR LAUNCHING LIFEBOATS FROM VESSELS. PAUL WILHELM SIEURIN, Gottenborg, Sweden, assignor to Gesellschaft für Schiffsausrüstung und Davitbau, Hamburg, Germany. Filed Apr. 5, 1921. Serial No. 458,644. 2 Claims. (Cl. 9—22.)



1. A lifeboat launching apparatus, including davits from which a lifeboat is suspended, a line from each davit to the said lifeboat, a line drum for each line whereby rotation of the drums will cause the said lines to change the elevation of the lifeboat, brake means for normally holding the said drums against rotation, and brake controlling means carried by the said drums and including auxiliary lines adapted to cooperate with the said brake means to permit rotation of the drums at a speed corresponding to that at which the auxiliary lines are unwound from the drums.

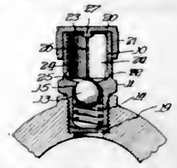
1,468,039. ART OF EYELETING. ROBERT B. SMITH, Stoughton, Mass., assignor, by mesne assignments, to United Shoe Machinery Corporation, Paterson, N. J., a Corporation of New Jersey. Filed Feb. 7, 1916. Serial No. 76,639. 13 Claims. (Cl. 218—29.)



7. The herein-described method of setting blind or invisible eyelets consisting in permanently securing together a plurality of layers of suitable material, said layers being stitched together around their entire edges, perforating said layers and then setting an eyelet in one of said layers before the perforating tool is withdrawn from said layers.

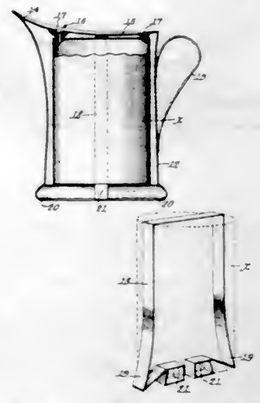
1,468,040. LUBRICATION COUPLING. PERRY C. SMITH, Chicago, Ill. Filed Nov. 16, 1921. Serial No. 515,495. 2 Claims. (Cl. 84—95.)

1. A lubrication coupling, comprising a cup-shaped body formed with an internal annular groove at its bottom and a hollow stem for mounting on a bearing, a cap covering the open end of said body and formed with a depending sleeve telescoping over the external surface of said body, and a spring element for removably locking



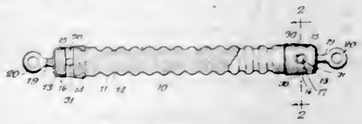
said cap on said body consisting of a longitudinally split hollow cylinder having at its upper end a head attached to the under side of said cap, and having at its other end transverse ribs adapted to snap into engagement with said groove when said cap is applied.

1,468,041. CAN HOLDER AND PERFORATOR. FRANKLIN HASKLIN SMITH, Burkburnett, Tex. Filed Apr. 2, 1923. Serial No. 629,349. 2 Claims. (Cl. 65—61.)



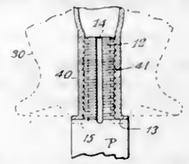
1. A receptacle, for holding a can of condensed milk or the like, consisting of a body having a closed top and an open bottom and provided with a handle and a spout and also with an inwardly extending lip at its bottom, the closed top of said receptacle being provided on its under side with perforating discharge and vent tubes, combined with a retaining and removing device consisting of an open loop of spring metal within which a can may be placed, and which is constructed to extend up the sides and over the top of the can, said loop having at its lower part outwardly springing arms adapted to engage said inwardly extending lip at the bottom of said receptacle.

1,468,042. COLUMN STRAIN INSULATOR. LOUIS STEINBERGER, Brooklyn, N. Y. Filed Dec. 6, 1918. Serial No. 265,489. Renewed May 18, 1922. Serial No. 562,040. 4 Claims. (Cl. 173—28.)



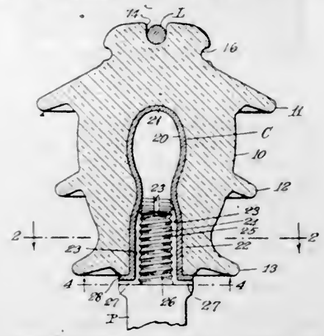
1. In a device of the kind described, a rod or body of insulating material provided at each end with a cup shaped terminal, the cup portion having an inwardly disposed bead molded into the insulating material and provided with apertures into which the insulating material is anchored the said insulating rod being provided with ventilating conduits extending transversely through the ends thereof and coincident with but of less diameter than the apertures in the terminal.

1,468,043. INSULATOR-SUPPORTING PIN. LOUIS STEINBERGER, Brooklyn, N. Y. Filed Mar. 11, 1919. Serial No. 281,944. 2 Claims. (Cl. 173—321.)



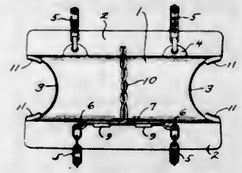
1. An insulator supporting pin comprising a body portion and a reduced securing shank, a shoulder formed therebetween, said shank being grooved longitudinally on the surface thereof and the shoulder of the body portion being grooved transversely, the longitudinal and transverse groove connecting with each other to form a continuous passageway from the extremity of said shank to the outer surface of said body portion.

1,468,044. LINE INSULATOR. LOUIS STEINBERGER, Brooklyn, N. Y. Filed Mar. 11, 1919. Serial No. 281,943. 9 Claims. (Cl. 173—321.)



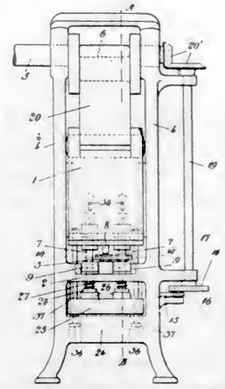
9. An insulator having a hollow metallic thimble secured thereto and forming a chamber therein, said thimble being provided with an expanded upper portion and longitudinal ribs on its lower portion, said thimble being provided with screw threads and a protecting flange, the inside of said ribs being provided with grooves to form passageways to permit of communication between the interior chamber of said thimble and the atmosphere when said insulator is mounted upon a supporting pin.

1,468,045. NONSKID DEVICE FOR AUTOMOBILE WHEELS. JAMES STURM, Tampico, Ill. Filed Nov. 13, 1922. Serial No. 600,535. 2 Claims. (Cl. 152—14.)



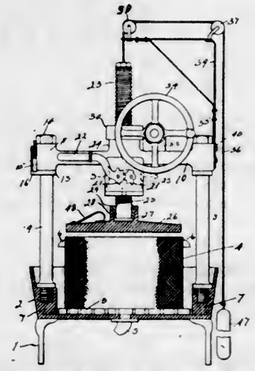
1. In a device of the class described, a saddle-plate adapted for engagement with the felly of a motor-vehicle wheel, between two of the spokes thereof, provided at its ends with means for engagement with said spokes, and having side plates projected outwardly into engagement with the edges of the wheel rim, said side plates having shoulders for the support of chain fastening devices; ears struck out from the plate of one of said shoulders adapted to hold the ends of transverse tire chains; hinge devices struck out from the plate of the opposite shoulder; and a rocking frame held in said hinge devices, and provided with means for engagement with the opposite ends of said chains, the inward movement of said frame operating to hold such chains in place, when attached thereto.

1,468,046. MACHINE FOR THE MANUFACTURING OF NUTS. SVENNING HILMER SVENSSON, Bofors, Sweden, assignor to Aktiebolaget Bofors, Bofors, Sweden. Filed Feb. 7, 1921. Serial No. 443,099. 11 Claims. (Cl. 10—78.)



1. A machine for manufacturing nut blanks consisting of two rough-shaping sleeves, two finishing sleeves, means for impressing each nut centrally, simultaneously as it is rough-shaped, at a point located between the two finishing sleeves, and means for moving the nut blanks after such impressing and rough-shaping alternately to the one or the other of said finishing sleeves.

1,468,047. WINE PRESS. JOSEPH SZAFKA, Philadelphia, Pa. Filed Aug. 11, 1920. Serial No. 402,748. 1 Claim. (Cl. 100—44.)

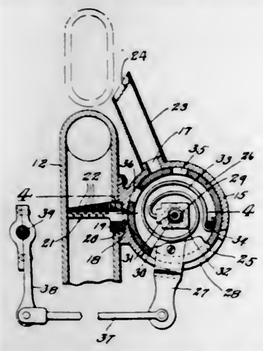


A press of the character stated including an operating screw carrying a plunger, said operating screw having a threaded recess in its upper end, a disc set in said recess, an axially bored nut threaded into the recess, a cable having a counterbalance weight on one end, the other end of said cable passing through the bore of said nut and attached to said disc, and a series of balls interposed between the lower end of the nut and said disc for the purpose stated.

1,468,048. AIR INLET AND MIXING DEVICE FOR INTERNAL-COMBUSTION ENGINES. FRANK C. TABLER, St. Louis, Mo. Filed Oct. 25, 1919. Serial No. 333,140. 6 Claims. (Cl. 48—180.)

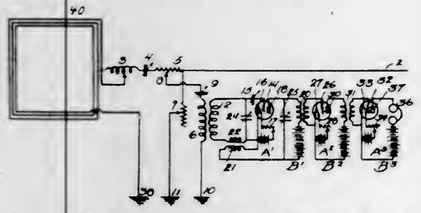
1. In an air inlet and mixing device for internal combustion engines, a cylindrical housing adapted to be se-

cured to the intake manifold of the engine, a perforated mixing plate carried by said housing and projecting into and across the passageway through the intake manifold, a second cylindrical housing mounted for rotary movement



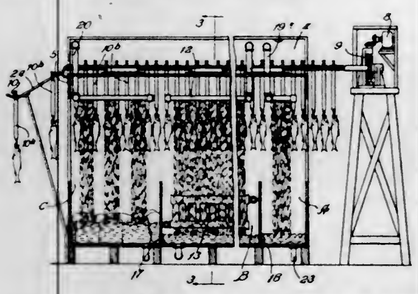
within the fixed housing, there being ports formed in the cylindrical walls of said housings, which ports are adapted to register when the rotatable housing is shifted to a certain position, and operating connections for said rotatably mounted housing.

1,468,049. SYSTEM FOR RECEIVING RADIOSIGNALS. ALBERT HOYT TAYLOR, Grand Forks, N. Dak., assignor to Radio Corporation of America, New York, N. Y., a Corporation of Delaware. Filed Oct. 9, 1918. Serial No. 257,528. 6 Claims. (Cl. 250—20.)



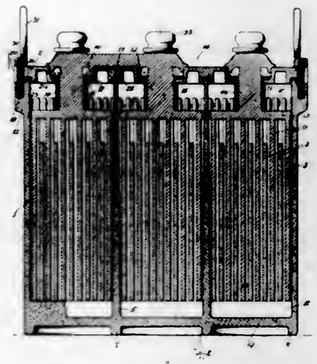
1. In a radio receiving system, a plurality of opposed collectors one of said collectors having the form of a vertical rectangular loop grounded at one end and connecting through a phase adjusting device in circuit with a resistance with the opposite collector, and means for balancing out the strays received on the respective collectors.

1,468,050. REFRIGERATING SYSTEM. HARDEN F. TAYLOR, Chicago, Ill. Filed June 25, 1921. Serial No. 480,403. 30 Claims. (Cl. 62—170.)



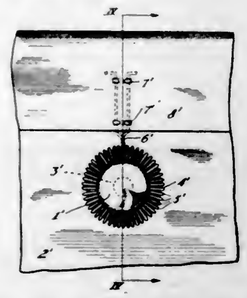
1. The method of treating fish or other goods having one long dimension, which consists in suspending them in substantially vertical position, passing a liquid refrigerating medium over them longitudinally of their length, and utilizing the vertical suspension for insuring the effective drainage of said medium therefrom.

1,468,051. STORAGE BATTERY. HENRY C. THOMPSON, Jr., St. Louis, Mo. Filed Aug. 26, 1921. Serial No. 495,490. 1 Claim. (Cl. 204—29.)



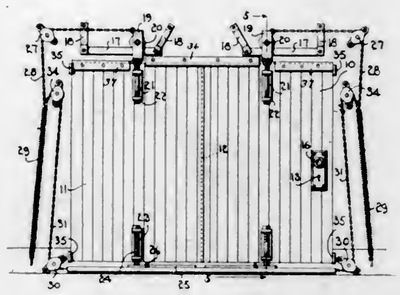
In a secondary battery, a jar comprising side and end walls, a bottom, and partition walls, the partition walls providing a plurality of compartments, the side walls of the jar having series of vertical grooves within each of said compartments, plates of opposite polarity removably fitted at their vertical edges in alternate ones of the grooves and arranged in groups in the several compartments, heads connecting the tops of the plates of each kind in a group, a lid disposed upon the top of the jar and having openings therein above the several compartments, post upstanding from the several heads and extending upwardly through the openings, connectors extending between the posts and above the said lid, the said lid being provided in its upper side with a seating recess surrounding each of the post openings, and a packing in each of said recesses, the posts being provided at their upper portions with surrounding depending flanges embedded in the packings in the respective recesses.

1,468,052. FASTENER. LUIZ W. TIBYRICA, Sao Paulo, Brazil. Filed Mar. 5, 1921. Serial No. 449,824. 3 Claims. (Cl. 24—216.)



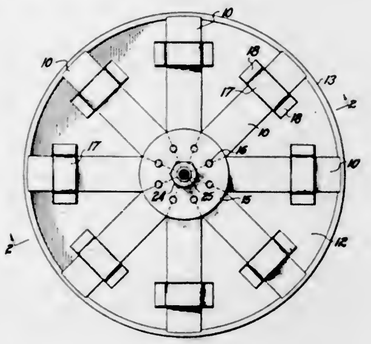
1. A fastener for two separable members comprising a head on one member and an annulet on the other member composed of spring wire helically coiled and flattened in a plane perpendicular to the axis of the annulet for engagement with the head.

1,468,053. SWINGING AND SLIDING DOOR. FRANK BOGART TOWNSEND, Penn Yan, N. Y., assignor of one-half to John E. McMath, Penn Yan, N. Y. Filed Sept. 21, 1922. Serial No. 589,620. 11 Claims. (Cl. 20—16.)



1. Means for mounting a pair of doors within a door frame, consisting of tracks mounted above the frame, hangers movable along said tracks and pivotally suspending the doors at a point between their vertical side edges, means slidable along the bottom of the door frame and pivotally connected with the doors in line with the first-named pivotal connections, and means for constantly applying tension upon said hangers and slidable means for moving them toward the adjacent sides of the door frame.

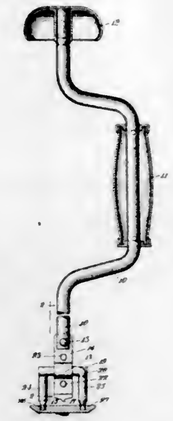
1,468,054. BEAM CONSTRUCTION. WALTER I. TUTTLE, Providence, R. I., assignor to Frank Mossberg Company, Attleboro, Mass., a Corporation of Rhode Island. Filed Mar. 20, 1922. Serial No. 545,049. 11 Claims. (Cl. 242—123.)



1. In construction for beam heads and the like, in combination, a circular metal disk, a plurality of wooden members resting against a face of said disk and extending radially from the center of the same substantially to its periphery, and means for securing together said metal disk and said radial wooden members.

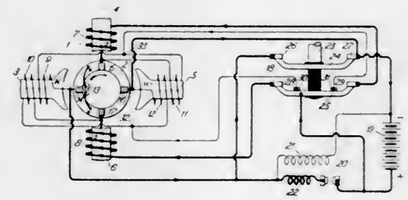
1,468,055. VALVE-GRINDING APPARATUS. WALTER I. TUTTLE, Providence, R. I. Filed Apr. 29, 1922. Serial No. 557,305. 6 Claims. (Cl. 51—29.)

1. In valve grinding apparatus, in combination, a blade adapted to engage a slot in the top of a valve head, a pair of downwardly extending lugs associated with said blade adapted to engage a pair of diametrically opposed openings in the top of a valve head, means for rotating said blade and said lugs, and means adapted to permit



swinging of one of said lugs out of operative position to facilitate the use of said blade, the other of said lugs being connected to swing therewith.

1,468,056. STARTING AND GENERATING SYSTEM. WILLIAM A. TURBAYNE, Niagara Falls, N. Y., assignor to U. S. Light & Heat Corporation, Niagara Falls, N. Y., a Corporation of New York. Filed Feb. 25, 1918. Serial No. 218,949. 19 Claims. (Cl. 290—31.)

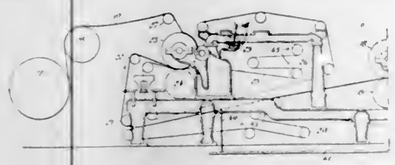


1. In a dynamo-electric machine, in combination, a set of pole pieces, a second set of pole pieces arranged alternately with the pole pieces of the first set, an armature, two sets of brushes alternately arranged, a winding on each of said first set of pole pieces, each of the brushes of one set being adapted to be connected through one of said windings to one side of a source of E. M. F., the other set of brushes being adapted to be connected to the other side of said source, a winding on each of the other set of pole pieces, said last mentioned windings being connected in series between adjacent brushes, a second winding on each of said other set of pole pieces, said second winding being connected in series between other adjacent brushes.

1,468,057. CLEANING FELTS OF PAPER MACHINES. GEORGE KIMBALL WALKER, Glens Falls, N. Y., assignor by direct and mesne assignments, to Great Northern Paper Company, Millinocket, Me., a Corporation of Maine. Filed July 26, 1921. Serial No. 487,672. 14 Claims. (Cl. 92—50.)

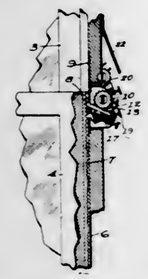
1. The method of cleaning the felt of a paper machine in which the felt is moving at relatively high speed which

consists in supplying a cleansing liquid to the felt to loosen foreign material thereon, and removing the liquid



and foreign material therefrom by the sole application of a suction effect.

1,468,058. WINDOW LOCK. BERT E. WASHBURN, Peoria, Ill. Filed Mar. 10, 1922. Serial No. 542,550. 1 Claim. (Cl. 292—39.)



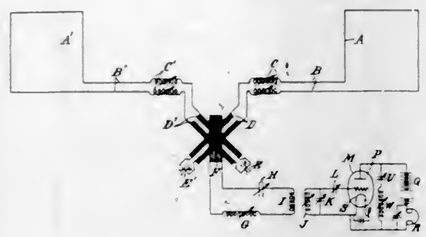
In a window lock the combination of a rack bar movable relatively to locking mechanism, and a locking mechanism comprising a pair of locking members arranged at substantially equal angles on opposite sides of a line at right angles to the relative movement between the rack bar and the locking mechanism and in the place of this movement, and an adjustable spring tension device for causing the engagement of the locking members with the rack bar under sufficient tension to prevent the window from rattling rack teeth carried from each locking member, which gear engaging the rack teeth from moving the locking members, a projection on the gear, and a spring operated device for engaging the projection to hold the parts in unlocked position.

1,468,059. METHOD AND APPARATUS FOR RADIOSIGNALING. ROY ALEXANDER WEAGANT, Douglas Manor, N. Y., assignor, by mesne assignments, to Radio Corporation of America, a Corporation of Delaware. Filed Feb. 7, 1919. Serial No. 275,555. 19 Claims. (Cl. 250—20.)



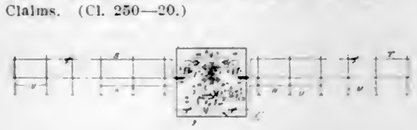
1. The method of minimizing static interference in radio reception which consists in so positioning one portion of an antenna system with respect to the horizontal plane and relatively to the direction of transmission as to collect substantially static only, collecting both static and signals in another portion of said antenna system, and opposing the currents due to static in said antenna portions while retaining the signals.

1,468,060. PROCESS AND APPARATUS FOR RECEIVING RADIOSIGNALS. ROY ALEXANDER WEAGANT, Roselle, N. J., assignor, by mesne assignments, to Radio Corporation of America, a Corporation of Delaware. Filed July 19, 1917. Serial No. 181,458. 46 Claims. (Cl. 250—22.)



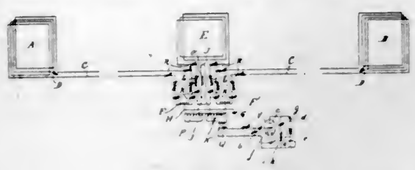
1. In apparatus of the kind described, a plurality of antennæ separated by an appreciable fraction of a wave length and connected to coupling coils disposed in non-inductive relation to each other and a receiving circuit comprising a coupling coil in inductive relation to both of the first mentioned coils.

1,468,061. METHOD AND APPARATUS FOR RADIOSIGNALING. ROY ALEXANDER WEAGANT, Douglas Manor, N. Y., assignor, by mesne assignments, to Radio Corporation of America, a Corporation of Delaware. Filed Feb. 7, 1919. Serial No. 275,553. 40 Claims. (Cl. 250—20.)



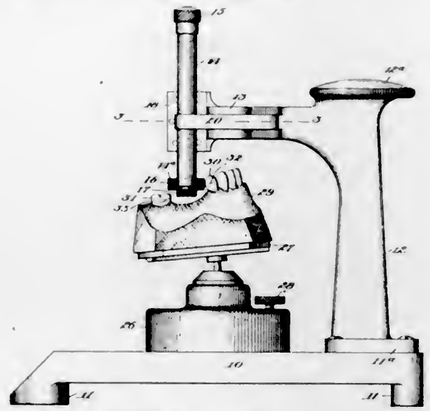
1. The method of minimizing static interference in radio reception, which consists in tuning a receiving system to the signal frequency and collecting signal and static effects in a portion thereof substantially eliminating signal effects from a portion, receiving signal effects and some static effects in a second portion of said system, utilizing the static effects in said first portion to neutralize like effects in said second portion, and utilizing the signal effects in said last named portion.

1,468,062. RADIOSIGNALING APPARATUS. ROY ALEXANDER WEAGANT, Douglas Manor, N. Y., assignor, by mesne assignments, to Radio Corporation of America, a Corporation of Delaware. Filed July 12, 1918. Serial No. 244,564. 12 Claims. (Cl. 250—20.)



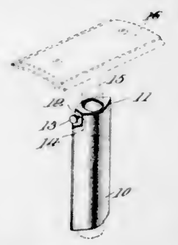
1. The method of reducing interference by static disturbances in radio reception, which consists in receiving the interference and the desired signal waves in antennæ systems tuned to the same wave length and having different ratios of static strength to signal strength, and balancing out the static while retaining the signal.

1,468,063. DENTAL INSTRUMENT. LOUIS J. WEINSTEIN, New York, N. Y. Filed June 16, 1922. Serial No. 567,482. 1 Claim. (Cl. 32—10.)



A dental instrument comprising in combination a base member, a rigid upright member mounted at an end of said base member, an arm integral with said upright member and extending parallel with and above said base member, a spring and screw actuated clamping device provided at the free end of said arm, a hollow rod engaged and vertically and rotatably adjustable in said clamping device, a transverse slot provided in the lower end of said rod, the dimensions of said slot being modified by means of an adjusting screw threaded in the lower end of said rod, a straight edge marking means extending longitudinally through said slot and retained in position by said screw, and a universally adjustable model support having a dental model thereon separate from and freely movable on said base member about and in contact with said marking means, whereby the extreme convexities of the teeth on said dental model are charted.

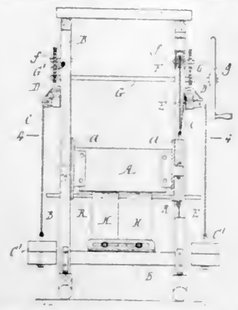
1,468,064. ATTACHMENT FOR SAFETY RAZORS. FRANK C. WILLIAMS, Salt Lake City, Utah, assignor of one-half to Eugene Giles, Salt Lake City, Utah. Filed Mar. 15, 1921. Serial No. 452,511. 6 Claims. (Cl. 30—12.)



5. An attachment for safety razors comprising a handle having a bore leading in from one end, a razor provided with a member shaped to enter and rotate within said bore, and means whereby relative rotation of said member and said handle may be prevented.

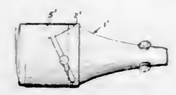
1,468,065. CONCRETE-BLOCK-MOLDING MACHINE. HERBERT ERNEST WILLIAMS, Auckland, New Zealand. Filed Aug. 29, 1921. Serial No. 496,516. 2 Claims. (Cl. 25—41.)

1. In a machine for use in molding concrete blocks a mould formed by a casing and a core arranged to extend longitudinally within such casing constructed of a block fixed to the casing and having hollow pillars extending upward through the casing at intervals in the length thereof, and narrowed fin pieces extending between such pillars each formed by a fixed portion and a movable portion mounted to project from the adjacent pillar



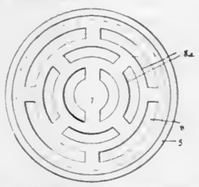
or to retire into such pillar, such movable portion having transversely extending notches at intervals in the height of its edge adjacent to the fixed portion, and means whereby it may be caused to extend from the pillar or be drawn into it, substantially as specified.

1,468,066. TELESCOPIC MUTE. WILLIAM ROMEO D'ALFONSO, Oakland, Calif., assignor to Universal Telescope Mute Company, San Francisco, Calif., a Corporation of California. Filed Oct. 27, 1921. Serial No. 510,769. 5 Claims. (Cl. 84—400.)



1. A mute adapted to be inserted in the mouth of a horn, or a brass instrument comprising a body portion made up of telescopically joined, relatively adjustable sections and means located adjacent to the outer end and projecting from one side of the mute for holding said sections in adjusted position.

1,468,067. INKWELL. HENRY J. CHAMPAGNE, Pittsfield, Mass. Filed Mar. 7, 1921. Serial No. 450,428. 4 Claims. (Cl. 120—37.)

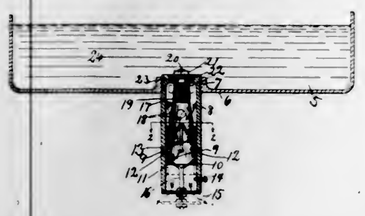


4. An ink well comprising a body and a baffle member seated thereon to cover the chamber of the well, said baffle member being formed with a series of slots extending therethrough to provide relatively narrow splash preventing portions, the baffle member being relatively thin, and the ink well being relatively shallow, said slots providing openings for insertion of a writing pen therein.

1,468,068. AUTOMATIC DRAIN VALVE. MARTIN HANSON, St. Paul, Minn. Filed May 1, 1922. Serial No. 557,735. 4 Claims. (Cl. 137—34.3.)

1. The combination with the lower part of a water container of a vertically disposed water outlet tube depending therefrom and having in its upper end a

valve seat and a vertically movable valve therein, and an internal circular recess farther down in the tube, a sleeve slidable in the tube and having radial apertures, a resilient arched spider in the sleeve with its legs normally projecting through the apertures and into the



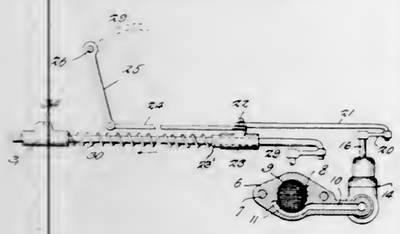
circular recess, a laterally perforated actuator tube suspended from the valve and having its lower end supported on the legs of the spider so as to press them together and thereby disengage them from the circular recess when the top of the valve is subjected to a predetermined degree of pressure.

1,468,069. BREAD TOASTER. ERMINIE HEBERT, Hammond, La. Filed May 21, 1923. Serial No. 640,489. 2 Claims. (Cl. 53—5.)



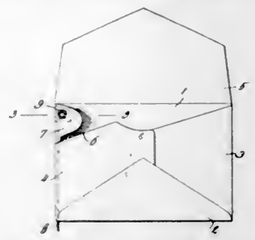
2. A toaster comprising a pan, a material supporting mat having slidable connection with walls of the pan for movement to and from operative position above the bottom thereof, a handle for the toaster comprising detachably interlocking sections, one of which is upwardly inclined away from and fixed to the mat and the other pivoted to the pan, said pivoted section intersecting the path of sliding movement of the mat when the sections are interlocked and being movable away from the fixed section to a position completely below said path of movement when said sections are detached, and means for limiting the movement of the pivoted section away from the fixed section.

1,468,070. GAS SAVER. JOHN N. HEWITT and JOSEPH E. ADAMS, Oklahoma, Okla. Filed Feb. 20, 1922. Serial No. 537,972. 2 Claims. (Cl. 74—39.)



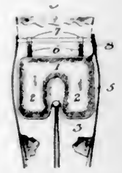
1. A valve controlling mechanism including a rod, a collar secured to the rod, a coiled spring having one end thereof abutting the collar, a sleeve loosely mounted on the rod and engaging the opposite end of the coiled spring, a collar on the rod and adapted to engage the sleeve to exert a pressure on the coiled spring and move the first mentioned collar and rod supporting the same, and operating rods for moving the collar abutting the sleeve.

1,468,071. ENVELOPE. THOMAS O'DONNELL and ELIZABETH C. O'DONNELL, Ironwood, Mich. Filed May 27, 1921. Serial No. 473,194. 1 Claim. (Cl. 229—86.)



An envelope including a body portion, a plurality of flaps thereon, a tab at one corner of the body portion, a fastening element passing through the tab and the body portion, and a string located in one end of the envelope, one end of the string being secured to the fastening element.

1,468,072. COMFORT CUSHION. HUBERT MILLAS OGLE, Atlanta, Ga. Filed Apr. 14, 1921. Serial No. 461,202. 2 Claims. (Cl. 128—132.)

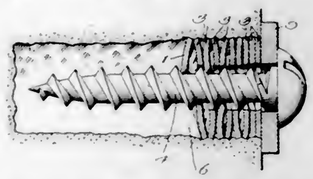


1. A device for the treatment of certain diseases comprising in combination an outer garment, and an inner garment having a belt, a substantially U-shaped penumatic seat element having a web part connecting its leg members, elastic means for suspending said pneumatic seat element from the belt, and between the garments and means for inflating and deflating said pneumatic seat.

1,468,073. TUNGSTEN ALLOY. ALADAR PACZ, Cleveland, Ohio, assignor to General Electric Company, a Corporation of New York. Filed Jan. 15, 1920. Serial No. 351,664. Renewed Jan. 24, 1923. 5 Claims. (Cl. 75—1.)

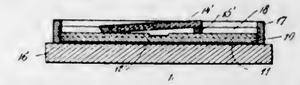
1. A drawn metal filament for electric incandescent lamps consisting of tungsten with which is intimately incorporated a small percentage of silicon.

1,468,074. ANCHORING DEVICE. RALPH S. PEIRCE, Hinsdale, Ill. Filed Nov. 15, 1920. Serial No. 424,029. 6 Claims. (Cl. 85—2.4.)



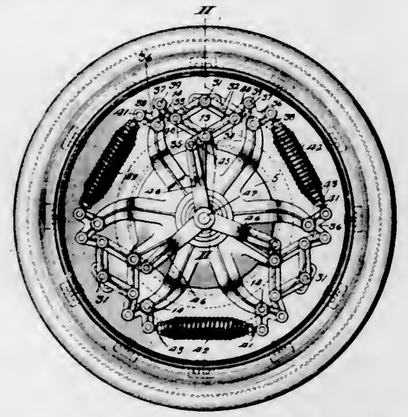
2. An anchoring device having a circular member inclined with respect to its axis and weakened at intervals at its peripheral portion, in combination with means for reducing the inclination of said member to effect its transverse expansion.

1,468,075. DETERMINING THE HIDING POWER OF PAINTS AND PIGMENTS. AUGUST HERMAN PFUND, Baltimore, Md. Filed Nov. 21, 1919. Serial No. 339,718. 7 Claims. (Cl. 88—14.)



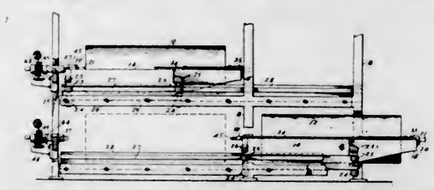
1. The method of obtaining a measure of the hiding power of a paint or pigment which comprises spreading upon an appropriate background two juxtaposed layers of the paint or pigment, one of said layers being of greater thickness than required to completely hide the background and the other layer being of adjustable thickness, progressively varying the thickness of said adjustable layer of the paint or pigment until the hiding power of this layer is substantially equivalent to that of the other layer, and indicating the hiding power of the paint or pigment in terms of the thickness of said second layer when its hiding power is substantially equivalent to that of the other layer.

1,468,076. SPRING WHEEL. ROBERT H. PLASS, Upper Montclair, N. J. Filed Aug. 10, 1920. Serial No. 402,647. 5 Claims. (Cl. 152—28.)



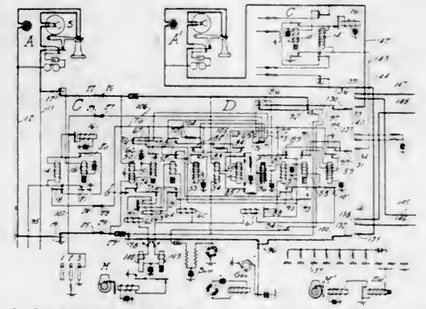
1. In combination, a rim, a hub, toggle linkages for associating the rim with the hub, means for constraining a point on each of said linkages to movement on an arc of a circle described about a center common to said points, and resilient means connected to said linkages but free from connection to said rim for biasing said linkages to a position at which the rim is central to the hub.

1,468,077. PAPER-ROLL-RELOADING DEVICE. OTTO L. RAABE, Jersey City, N. J., assignor to R. Hoe and Co., New York, N. Y., a Corporation of New York. Filed Feb. 12, 1921. Serial No. 444,513. 10 Claims. (Cl. 242—58.)



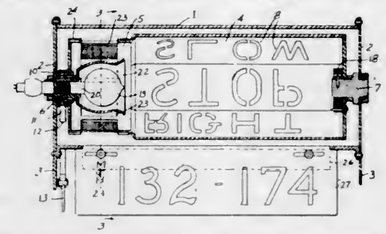
10. In a printing machine, the combination of a frame, a set of roll supports mounted in the frame side by side, a second set of roll supports arranged side by side adjacent to and below the first set and movable from loading position to running position, and means whereby a roll loaded in any of the lower supports may with its support be operatively positioned in the frame for running a web therefrom and clear any other roll in position in the frame or a web running from any roll.

1,468,078. AUTOMATIC TELEPHONE SYSTEM. ARTHUR J. RAY and WILLIAM A. CHAPIN, Chicago, Ill., assignors to Automatic Electric Company, Chicago, Ill., a Corporation of Illinois. Filed Sept. 3, 1920. Serial No. 408,061. 10 Claims. (Cl. 179—18.)



1. In a telephone system, three exchanges, one of said exchanges being a private automatic exchange, trunk lines extending from said exchange to each of the other exchanges, and restricted service arrangements at the switchboard in said private automatic exchange dividing the subscribers thereof into three classes, the subscribers of one class being restricted to local calls, the subscribers in another class being restricted to local calls and trunked calls to one of said other exchanges only, while the third class of subscribers have unrestricted service to local lines and both of said other exchanges.

1,468,079. ILLUMINATED MOTOR-VEHICLE SIGNAL. HARRY F. RIOPELLE, Detroit, Mich. Filed Mar. 18, 1921. Serial No. 453,321. 5 Claims. (Cl. 116—43.)

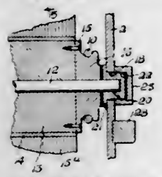


1. In a motor vehicle signal, the combination with a stationary casing, having a window opening, of a hollow indicating member rotative within the first mentioned casing and apertured to form signs individually registrable with said window in selective positions of rotative adjustment of said member, a lamp arranged within the indicating member to illuminate the sign registered with said window, a bull's eye in the casing illuminated by said light, and means for effecting a pronounced variation of the illumination of said bull's eye through rotative adjustment of said indicating member to attract attention to the signal preliminary to a change of sign.

1,468,080. FLOOR BUFFER. WILLIAM N. ROBBINS, Jr., Santa Monica, Calif. Filed Mar. 24, 1921. Serial No. 455,024. 2 Claims. (Cl. 15—41.)

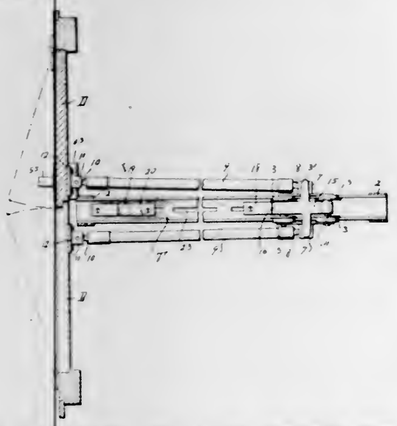
1. A device of the character described comprising a casing, side plates secured to the casing and formed with inclined slots, a buffer sustaining shaft having its ends extending into the slots, cup-shaped bearing members receiving the ends of said shaft, and slidable in said slots,

flanges formed on the inner ends of the members for engagement with the inner sides of the side plates, and end caps threadedly engaging said members and disposed



at the outer sides of said plates to cooperate with said flanges in locking the members in any adjusted position within said slots.

1,468,081. GATE OPERATING AND LOCKING MECHANISM. BESTIANE D. ROSS, Brockwayville, Pa. Filed Jan. 5, 1923. Serial No. 610,829. 3 Claims. (Cl. 268—9.)



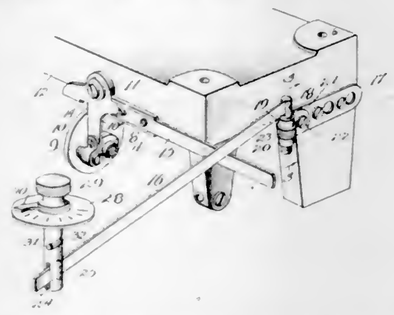
3. In combination with a pair of swinging doors, a track-way supported adjacent said doors, a carriage travelling on the track way, an operative connection between the carriage and each of the doors to cause said doors to move in unison into either open or closed position, coacting means carried by the carriage and the track-way for holding the doors in either open or closed position, means carried by one of the doors and operatively engaged with the holding means for rendering the same inoperative to permit the doors to be moved in either open or closed position, additional means for holding the doors in closed position, and means operated by the means for rendering the first-named holding means inoperative to release the last named holding means.

1,468,082. SAFETY RAZOR. THOMAS A. RYAN, Yonkers, N. Y. Filed Dec. 10, 1919. Serial No. 343,860. 5 Claims. (Cl. 30—12.)



1. The combination in a safety razor, of a removable handle for a blade holder comprising opposed arms pivoted to a collar, said collar supporting a rotatable member, said rotatable member having threaded means to attach to a blade holder and means to operatively engage a locking rod, said locking rod having a knurled end and a threaded section adapted to co-operate with a threaded section in a longitudinal hole in said handle, with means to lock said handle in any desired angle with said blade holder.

1,468,083. SPEED-GOVERNING MECHANISM. HENRY G. SAAL, Chicago, Ill. Filed Mar. 29, 1920. Serial No. 369,606. 2 Claims. (Cl. 188—187.)



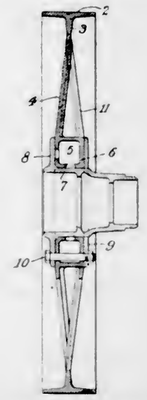
1. Speed governing mechanism including a driven brake element; another brake element complemental to the aforesaid brake element; mechanism for changing the relative positions of said brake elements, inclusive of a lever connected with one of said brake elements; an operating lever crossing and engaging the other lever; a threaded pin in connection with said operating lever; a bracket carrying two aligned spaced apart split contractible and expansible eyes receiving the pin that is in sliding and turning engagement with the eyes; a nut in the space between said eyes and in threaded engagement with said pin; and a screw upon the bracket and positioned to contract said eyes when suitably turned, whereby the eyes may be clamped upon the pin.

1,468,084. DEVICE FOR INCANDESCENT LAMPS. FREDERICK W. SALZ, Cleveland, Ohio, assignor to General Electric Company, a Corporation of New York. Filed Jan. 18, 1919. Serial No. 271,882. 3 Claims. (Cl. 176—16.)



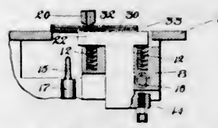
1. In an electric incandescent lamp comprising a glass bulb, a filament supporting stem and a filament draped therearound, the combination of a receptacle containing a body of getter and a spring clip attaching the same to a portion of said stem within said filament.

1,468,085. METAL WHEEL. CHARLES SCHENCK, CYRUS W. BASSETT, and EMIL IBACH, Bethlehem, Pa., assignors to Bethlehem Steel Company, Bethlehem, Pa., a Corporation of Pennsylvania. Filed Jan. 17, 1921. Serial No. 437,642. Renewed Feb. 17, 1923. 2 Claims. (Cl. 301—65.)



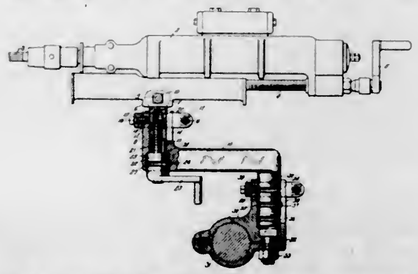
2. A metal wheel, having a continuous rim, a web attached thereto, a bearing for the hub, sets of spokes, each set extending from the web to a face of the hub bearing, the said parts being cast integral.

1,468,086. EYELETING MACHINE. ROBERT B. SMITH, Stoughton, Mass., assignor, by mesne assignments, to United Shoe Machinery Corporation, Paterson, N. J., a Corporation of New Jersey. Original application filed Feb. 7, 1916, Serial No. 76,639. Divided and this application filed Jan. 18, 1917. Serial No. 143,177. 6 Claims. (Cl. 218—14.1.)



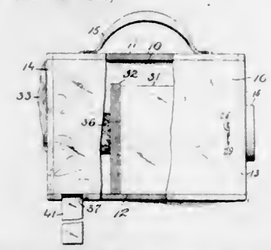
2. An eyeleting machine having, in combination, a yieldingly mounted cutting block, a combined punching and setting tool having an upsetting shoulder shaped to be projected through one of several layers of a shoe upper supported on said block, and movable transversely of the block to feed the upper, and an eyelet inserting set.

1,468,087. DRILLING-MACHINE MOUNTING. MICHAEL SMITH, Newark, N. J. Filed Sept. 9, 1920. Serial No. 409,145. 3 Claims. (Cl. 255—51.)



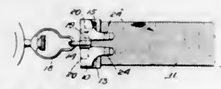
1. A mounting for drilling machines, comprising a fixed support, an arm pivoted at one end to said support adapted for rotary movement with respect to an axle, a clamping collar attached to said support and adapted to clamp the end of said arm in any desired position, a drilling machine having a depending collar, said collar pivotally mounted on the other end of said arm, clamping means surrounding said collar to fix the position of the rock drilling machine in its rotary movement, threaded means on said collar, and similarly threaded means on said arm engaging the threaded means on the collar to adjust the collar and drilling machine axially with respect to the arm.

1,468,088. CAMERA. EDMOND F. STRATTON, Newark, N. J. Filed Apr. 25, 1922. Serial No. 556,446. 8 Claims. (Cl. 95—13.)



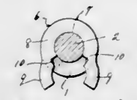
1. A camera comprising a casing having exposure means, positioning means for holding a sensitized sheet in the focal plane of the exposure means, said positioning means holding said sheet only at its edges and only by friction.

1,468,089. HOOK LATCH. IRVING SONNENTHAL, New York, N. Y. Filed Jan. 4, 1922. Serial No. 527,003. 4 Claims. (Cl. 24—238.)



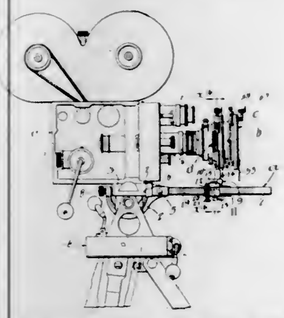
1. An article as characterized comprising a member having guides formed therein; a guard hook formed on said member; a member adapted for movement between said guides; means at the sides of said guard member for extending above and below the guides to slidably mount the guard member thereon, and a hook formed on said movable member, said hook being capable of forcibly entering said first mentioned hook.

1,468,090. SPOKE-TIGHTENING WASHER. JOSEPH TALASEK, Temple, Tex. Filed Sept. 20, 1922. Serial No. 589,403. 1 Claim. (Cl. 301—68.)



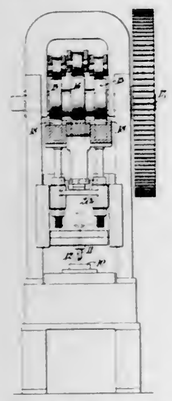
As a new article of manufacture, a spoke tightening washer adapted to be positioned on a spoke tenon between a shoulder on the spoke at the base of the tenon and the inner surface of a wheel felly, comprising a flat substantially U-shaped piece of rigid metal having its ends separated substantially by a distance equal to its internal diameter when the ends are closed, and embodying a rigid unbroken substantially semi-circular body, and similar arcuate rigid unbroken extensions integral with the ends of the body, said extensions being normally substantially parallel with each other, the washer being provided with opposed V-shaped notches in its inner edge at the points of connection between the ends of the body and the extensions of such size as to permit the inner edges of said extensions to contact with the spoke tenon when the extensions are closed to form a ring with the wall of the notches in contiguous relation.

1,468,091. DISSOLVE MECHANISM FOR CAMERAS. KARL W. THALHAMMER, Los Angeles, Calif. Filed Oct. 29, 1920. Serial No. 420,424. 14 Claims. (Cl. 95—64.)



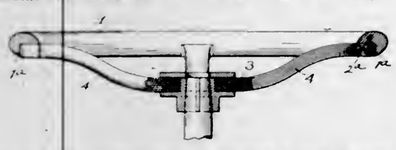
1. In an attachment of the character described, a rotatively mounted member having an opening, a carriage shiftably mounted on said member, dissolve means on the carriage, means to shift the carriage, and means to operate the dissolve means.

1,468,092. METHOD AND APPARATUS FOR FORMING TUBULAR METAL ARTICLES, SOCKETED TERMINAL LUGS, AND THE LIKE. WALTER M. TOWNE, New York, N. Y., assignor to E. W. Bliss Co., Brooklyn, N. Y., a Corporation of West Virginia. Filed May 10, 1923. Serial No. 638,097. 10 Claims. (Cl. 207—10.)



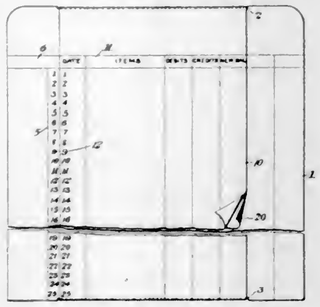
1. A method of forming tubular articles comprising compressing the marginal portion of a blank to extrude metal through a central opening in a die, leaving thereon a flange of substantial thickness, and thereupon drawing the flange into tubular form in said die through said die-opening.

1,468,093. WHEEL STRUCTURE. ELVERTON W. WEAVER, Cleveland Heights, Ohio. Filed Mar. 20, 1922. Serial No. 545,048. 4 Claims. (Cl. 74—33.)



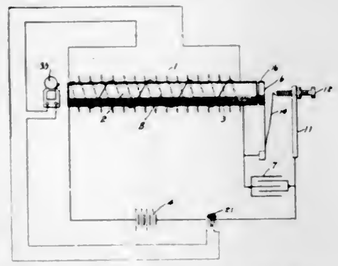
2. A wheel construction comprising a rim portion and a spider having a central hub portion and arms, the said hub portion and arms built up of a plurality of superimposed layers of wood-like material, each layer consisting of a section having a hub portion and oppositely extending arms integral, and having two other oppositely extending short arms which abut against the hub portion of the integral layer.

1,468,094. COLLATED WORK SHEET. JOHN ASHLAND WHERRY, New Orleans, La. Filed June 14, 1922. Serial No. 568,192. 4 Claims. (Cl. 283—61.)



1. The combination of a main work sheet having a slot in a transverse edge thereof, a continuous supplementary work sheet extending longitudinally of and around the main sheet and engaging said slot, and a transfer sheet interposed between the main and supplementary sheets.

1,468,095. CALLING DEVICE. WILLIAM L. WHIDDEN, Spreckels, Calif. Filed Apr. 7, 1921. Serial No. 459,239. 1 Claim. (Cl. 179—84.)

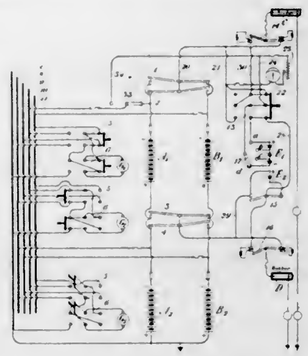


In a switchboard, in combination, a calling device comprising an induction coil having a battery and a vibrator in circuit with its primary winding, and a call bell in circuit with its secondary winding, and a ringing and listening key including a U shaped frame, a lever pivotally supported in the base of the same having a roller of insulating material associated with one end, two leaf springs included in the secondary circuit mounted in the frame in spaced and parallel relation to its center line, one extending into operative proximity to the roller and adapted to be forced in contact with the other spring when the lever is actuated whereby the secondary circuit is closed, a second pair of leaf springs associated with the primary circuit mounted in parallel relation to the first pair, and means for forcing the leaf springs of the second pair in contact simultaneously with the first pair whereby the primary circuit is closed.

1,468,096. STORAGE-BATTERY CIRCUIT. ROWLAND L. YOUNG, East Orange, N. J., assignor to American Telephone and Telegraph Company, a Corporation of New York. Filed Apr. 9, 1920. Serial No. 372,644. 12 Claims. (Cl. 171—314.)

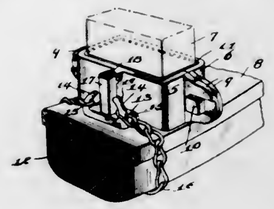
4. In combination, a primary source of current, a battery floated thereon, an auxiliary battery normally retained in a charged state by current from said source,

and means for at times disconnecting both of said batteries from said source and connecting said auxiliary battery in series with the main battery to augment the voltage thereof.



5. The method of rendering a reserve battery constantly available for augmenting the voltage of a main battery which consists in normally passing through said reserve battery a current substantially equal in energy to the internal losses thereof, and then connecting the reserve battery in series with the main battery.

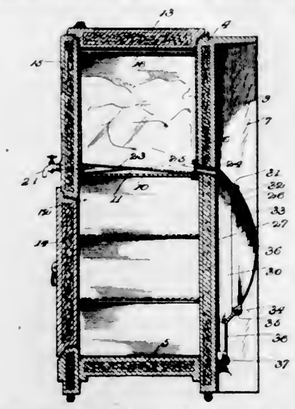
1,468,097. ANTISKID ATTACHMENT FOR WHEELS. TRUE M. AVERY, Glens Falls, N. Y., assignor to Arrow-Grip Manufacturing Co., Inc., Glen Falls, N. Y., a Corporation of New York. Filed Feb. 10, 1917. Serial No. 147,856. 29 Claims. (Cl. 152—2.)



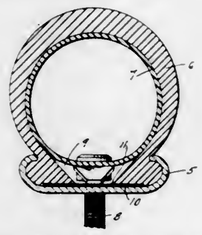
9. A device for the attachment of anti-skid chains to wheels comprising a clamp for attachment to a wheel spoke and having its members disposed transversely of said spoke and one of its members provided with a web which projects in a plane substantially normal to the axis of the clamp and in the attached relation of said clamp overhangs the felly, a pair of opposed hooks mounted upon said web whereby in the attached relation of said clamp said hooks will be disposed between the adjacent spokes with their ends in a plane transverse to the common plane of the spokes and the web will sustain the opposite pull of the anti-skid chain, the adjacent ends of said hooks delimiting a passage through which the chain links to be secured or disengaged may be moved, and an element movable relatively to the hooks in the direction of the common plane of the spokes for normally closing said passage.

1,468,098. REFRIGERATOR. MARTHA VIOLA BAUER, Washington, D. C. Filed Sept. 19, 1919. Serial No. 324,860. 6 Claims. (Cl. 62—46.)

1. In a refrigerator, an ice compartment, a food compartment, and a drain receptacle in water-tight receiving communication with the ice compartment and having one of its walls contiguous to one wall of the food compartment, another wall of the drain receptacle having a removable section whereby access may be had to the interior of said receptacle for cleaning the same.

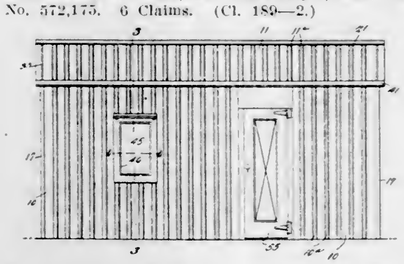


1,468,099. INNER-TUBE PROTECTOR. JOSEPH O. BELT, Joplin, Mo. Filed Dec. 28, 1921. Serial No. 525,490. 1 Claim. (Cl. 152—20.)



The combination with an inner tube, a tire casing and a rim, the inner tube being provided with a valve stem, of a protector consisting of a strip of slightly flexible, non-corrosive metal substantially corresponding in width to the width of the outer face of the tire rim and having a uniform thickness throughout its entire extent, said protector being disposed between the inner faces of the beads of the tire casing and the outer face of the tire rim, the end portions of said strip having registering openings arranged to register when the end portions are disposed in overlapped relation upon the rim and being adapted to receive the valve stem, the valve stem preventing longitudinal movement of the protector relative to the tire casing and rim.

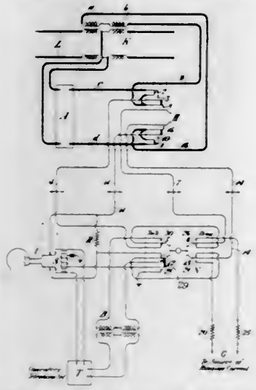
1,468,100. PORTABLE METALLIC BUILDING. JOSEPH A. BALDWIN, Baltimore, Md. Filed July 1, 1922. Serial No. 572,175. 6 Claims. (Cl. 189—2.)



2. A metallic building structure having sides which are provided at the corners of the building with outwardly

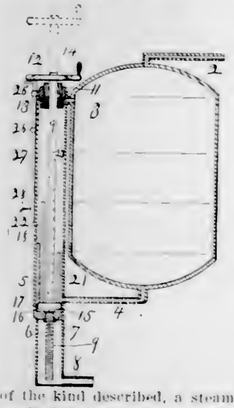
and reversely extending flanges, corner studs, and corner caps, said studs and caps having flanges, said flanges and the flanges of the building sides forming hooks which interlock.

1,468,101. TESTING CIRCUITS. ALVA B. CLARK, Brooklyn, N. Y., and GEORGE CRISSON, Hoboken, N. J., assignors to American Telephone and Telegraph Company, a Corporation of New York. Filed Dec. 26, 1919. Serial No. 347,519. 10 Claims. (Cl. 179—175.)



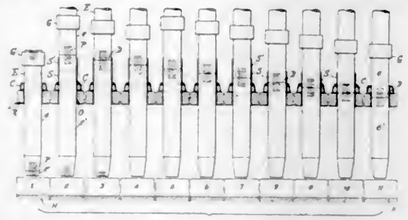
1. In combination, a line circuit, an amplifier therefor, and testing apparatus for said circuit associated with the local circuit of said amplifier.

1,468,102. TEMPERATURE-REGULATING MEANS. KENNEDY DOUGAN, Minneapolis, Minn. Filed May 8, 1919. Serial No. 295,766. 1 Claim. (Cl. 257—48.)



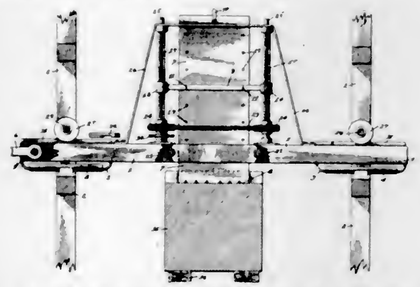
In a device of the kind described, a steam container, a hollow vertical cylinder closed at both ends, a partition across said cylinder between its ends, a steam connection between the lower end of said steam container and said vertical cylinder above said partition, and a steam connection between the upper end of said steam container and the upper end of said vertical cylinder, a rod extending through a portion of said vertical cylinder and through said partition, a conduit formed in said rod, leading from its exterior to its interior and from above to below said partition, and discharging into said vertical cylinder, an annulus carried by said rod above said partition, a plurality of vertical conduits of variable heights carried by said annulus, means for bringing the aforesaid conduit in said rod into register with any of the aforementioned vertical conduits of variable heights carried by said annulus, and means for reciprocating said annulus in said cylinder.

1,468,103. ELECTRODE PROTECTOR. WALDEMAR DYRSSEN, New York, N. Y. Filed Nov. 15, 1921. Serial No. 515,357. 6 Claims. (Cl. 204—64.)



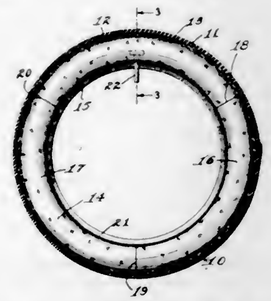
1. In an electric furnace the combination of a sectional electrode and a sleeve surrounding the joint thereof and adapted to prevent the electrode from being reduced in diameter by burning away in the zone of the joint.

1,468,104. SAWING MACHINE. BENJAMIN F. FIPPINS, San Francisco, Calif., assignor of one-half to Thomas L. Bocci, Colma, Calif. Filed Jan. 16, 1922. Serial No. 529,739. 5 Claims. (Cl. 125—16.)



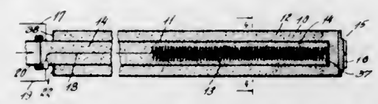
1. A saw for cutting granite and the like comprising a carriage; a plurality of threaded shafts rotatably mounted upon the carriage and extending laterally therefrom; a saw engaging element threaded upon said shafts; a saw adjustably secured upon said engaging element; means for adjusting the saw engaging element and the saw laterally with respect to the carriage; means for reciprocating the carriage; and means actuated at each reciprocation of the carriage for partially rotating the shaft whereby the saw is advanced a predetermined amount at each reciprocation to automatically maintain engagement with the material to be sawed.

1,468,105. FILLER FOR VEHICLE TIRES. HERBERT B. FOGEL, Philadelphia, Pa. Filed June 28, 1921. Serial No. 480,983. 1 Claim. (Cl. 152—5.)



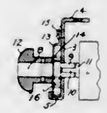
In a vehicle tire in combination with a shoe adapted for engagement with a rim, a filler for said shoe comprising a plurality of independent sections, of solid light resilient material, the adjacent ends of the respective sections abutting throughout the entire surfaces of said ends, one of said sections being adapted to be wedged in between two adjacent sections, thus forming the complete annular filler which of itself will remain in position in direct engagement with the interior of the shoe, and means for locking the filler sections against movement within the casing comprising a stem provided with an enlarged head portion embedded in one of said sections, the stem projecting inwardly to engage the rim.

1,468,106. ELECTRIC HEATER. WILLIAM S. HADAWAY, Jr., New Rochelle, N. Y. Filed May 23, 1917. Serial No. 170,359. Renewed Aug. 5, 1921. Serial No. 490,109. 56 Claims. (Cl. 219—39.)



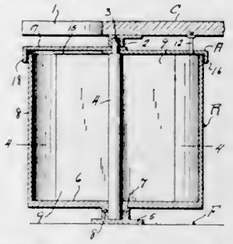
29. A heater comprising a tubular body having a tool or working member constituting a closure at one end of the tube, an inner tubular member adapted to discharge heating fluid into the outer member near the tool, and means for generating heat in the inner member.

1,468,107. ROLLER SPRING CONTROL. BERNARD J. HAESFELD, Cincinnati, Ohio, assignor, by mesne assignments, to The Lunken Window Company, Cincinnati, Ohio, a Corporation of Ohio. Filed Dec. 17, 1919. Serial No. 345,493. 2 Claims. (Cl. 156—28.)



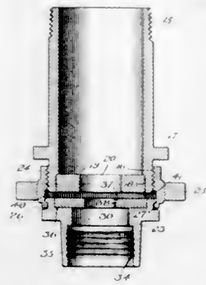
2. In a device of the character described, the combination with a mounting element, means for revolubly retaining therein a member to receive a shade roller shaft end, and means thereon for stopping the motion of the said revoluble means except in one direction, said stopping means comprising a ratchet and double-ended pawl arranged in a position to straddle the ratchet, with the ratchet teeth having apices spaced apart just slightly greater than the ends of the pawl, and shaped to pass under the pawl in one direction, but to raise one end of the pawl and jam it behind the next advancing tooth, upon reverse direction.

1,468,108. ROTARY PIN. WILBUR B. HODGES, Brownsville, S. C. Filed Apr. 30, 1921. Serial No. 465,766. Renewed July 30, 1923. 1 Claim. (Cl. 211—11.)



In combination with a counter provided with a recess in a marginal portion thereof, a rotary receptacle positioned below the counter and extending below the recess of the counter, the upper face of the receptacle being open, a nonrotatable cover coacting with the open end of the receptacle, said cover being provided with an opening to permit access within the receptacle and means for closing said opening.

1,468,109. PRESSURE-CONTROL MEANS. HENRY J. M. HOWARD, Washington, D. C. Filed Apr. 22, 1921. Serial No. 463,467. 7 Claims. (Cl. 137—78.)



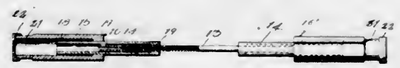
1. In a fire extinguisher system, a main water line, a plurality of valves secured to said line at different elevations, a pipe extending from each valve for attaching a local hose line, and means within each of said pipes for reducing the standpipe pressure behind each valve to a predetermined fire pressure.

1,468,110. DEFLECTOR FOR AUTOMOBILES AND THE LIKE. WILLIAM L. HOWE, Overland, Mo. Filed Nov. 17, 1921. Serial No. 515,858. 3 Claims. (Cl. 296—95.)



1. An attachment of the class described including, in combination, a shield, shouldered hinge-members, supporting-pintles upon the shield having engagement for swingable adjustment with the hinge-members, clamping members adapted for engagement with the shoulders of the hinge-members, bolts having engagement with the hinge-members and with the clamping members for clamping the attachment upon an automobile and separate bolts extending through the clamping-members and having engagement with the hinge-members for fastening the pintles and their supported shield in adjustably swung position.

1,468,111. CASKET SUPPORT. JOE EDGAR JONES, Lockhart, Tex. Filed May 19, 1921. Serial No. 470,982. 5 Claims. (Cl. 27—27.)

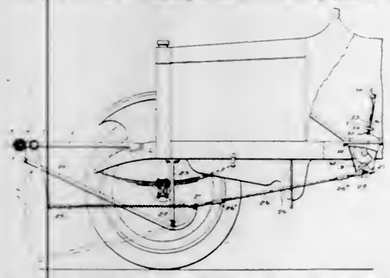


5. An extensible support of the character described, comprising a plurality of telescopic tubular sections, and each outermost section having a plurality of exterior flat surfaces extending longitudinally thereof for the purpose described.

1,468,112. AUTOMATIC LIFE-SAVING FENDER FOR AUTOMOBILES. EDWARD S. JONES, Mobile, Ala. Filed Jan. 9, 1923. Serial No. 611,588. 9 Claims. (Cl. 293—41.)

2. The combination with a vehicle, of a fender comprising a flexible web extending across the front of said vehicle, a roller upon which said web may be

wound, spring means for actuating said roller, swinging arms engaged with the lower edge of said web, spring means tending to force said arms downwardly, a lever controllable from the driver's seat, connections between said lever and the swinging arms for lifting said swing-



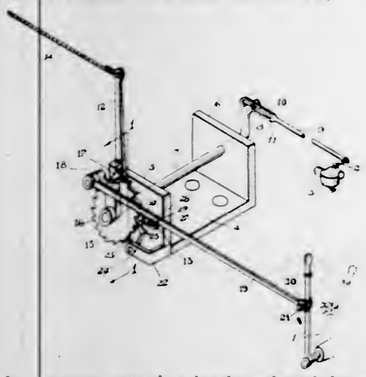
ing arms, a spring detent for said lever, an emergency brake lever, means operable upon movement of the emergency brake lever to brake setting position for releasing said detent and means for supporting said roller and the associated mechanism wholly from the chassis of the automobile and independently of the axle thereof.

1,468,113. BULLET. GEORGE M. JOHNSEN, Brooklyn, N. Y. Filed Dec. 20, 1922. Serial No. 608,043. 1 Claim. (Cl. 102—28.)



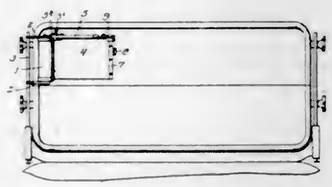
A bullet, for the purpose set forth, including an inner and an outer metallic shell each having a nose end, the nose end of the outer shell being open, contacting flanges at the opposite ends of the shells, a filler of lead or lead alloy in the space between the inner and outer shells, and a filler of pure lead in the inner shell.

1,468,114. TRACTOR CONTROL. JAMES ROBERT KENDRICK, Essex, Ontario, Canada. Filed Feb. 14, 1923. Serial No. 618,986. 4 Claims. (Cl. 74—39.)



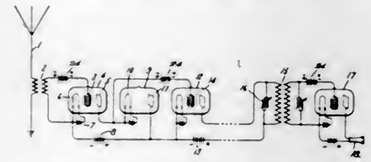
1. In a tractor control, a bracket adapted for attachment to a tractor; a shaft journalled therein having a crank end; means provided whereby the rotation of said crank end actuates the throttle lever at a predetermined point in the rotation thereof; an arm rigid with said shaft having a suitable rein extending therefrom; a ratchet wheel rotatably mounted on said shaft engaging with a ratchet carried by said arm; means detachably connecting said ratchet wheel to the tractor clutch lever and pawl means preventing recoil of said ratchet wheel.

1,468,115. ANTIGLARE SCREEN FOR AUTOMOBILES. AUGUST E. KIVIKINK and EMIL NILSON, Indiana Harbor, Ind. Filed Mar. 17, 1921. Serial No. 452,985. 1 Claim. (Cl. 296—97.)



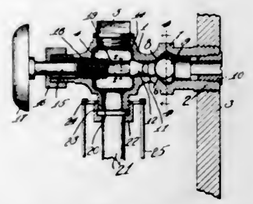
In combination, the windshield supports of an automobile, an anti-glare screen comprising a curtain and a housing for housing said curtain, said housing being mounted upon one of said windshield supports, said housing being provided with a single track extending laterally of said windshield supports, said track being hinged to said housing whereby said track may be folded into parallelism with said housing, said curtain being provided with a stiffening end piece having non-tipping articulation with said track, said track being adapted to guide said curtain in its movement between a screening position and a position within said housing, said curtain being spring-retracted, and a readily operable detent co-operating with said track for holding said curtain in screening position but permitting said curtain, when said detent is released, to rapidly pass to a position within said housing.

1,468,116. METHOD OF AND MEANS FOR AMPLIFYING POTENTIAL VARIATIONS. IRVING LANGMUIR, Schenectady, N. Y., assignor to General Electric Company, a Corporation of New York. Filed Dec. 10, 1914. Serial No. 876,432. 35 Claims. (Cl. 250—20.)



6. The combination in a wireless receiving system of an antenna, means for amplifying the waves of radiant energy received by said antenna, and means for absorbing all of the energy of said amplified waves above that corresponding to a current of a certain predetermined value.

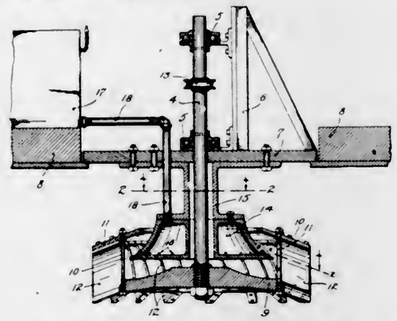
1,468,117. SAFETY WATER GAUGE. JAMES GIRLY LOWDEN, Houston, Tex. Filed Apr. 27, 1922. Serial No. 556,885. 1 Claim. (Cl. 73—54.)



In a device of the class described, an upper member having a lateral inlet passage, a hand valve in the upper member and constituting a closure for the passage, a ball in the passage, the upper member having an internal circumferential seat for the ball, the cross sectional

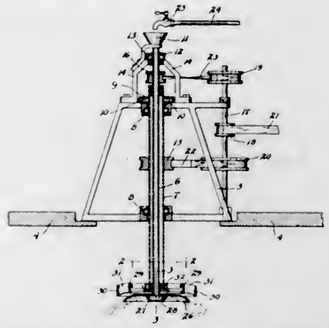
curvature of the seat corresponding closely to that of the ball, the seat being located immediately adjacent to that portion of the passage which the ball engages when the ball is in a closed position, the construction specified tending to keep the ball in motion and prevent the incrustation of the ball and the cementing of the ball in place; a lower member having a transverse passage, a hand valve in the lower member and controlling said passage, a connection assembled removably with the lower member and provided at its upper end with a seat, the lower member having inwardly projecting fingers, a ball in the connection and adapted to cooperate with the seat, the ball being located between the seat and the fingers, the fingers limiting the movement of the ball and preventing a hammering and a flattening of the ball on the last specified valve, and a sight tube extended between the connection and the upper member.

1,468,118. SPRAYING AND BEATING HEAD. JOHN C. MACLACHLAN, St. Paul, Minn., assignor to Standard Food Products Company, St. Paul, Minn., a Corporation of Delaware. Filed Oct. 4, 1919. Serial No. 328,495. 7 Claims. (Cl. 29—63.)



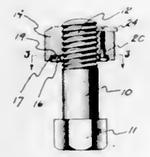
1. A sprayer head for a drying apparatus for fluids having in combination a fixed discharged head having means arranged to project the fluid freely outwardly and a revolving head surrounding said fixed head and provided with circumferentially arranged spaced blades disposed about said means to intercept and beat said freely projected fluid.

1,468,119. DEVICE FOR REDUCING LIQUIDS TO POWDERED OR OTHER CONDENSED FORM. JOHN C. MACLACHLAN, St. Paul, Minn., assignor to Standard Food Products Company, St. Paul, Minn., a Corporation of Delaware. Filed Mar. 29, 1920. Serial No. 369,592. 8 Claims. (Cl. 261—88.)



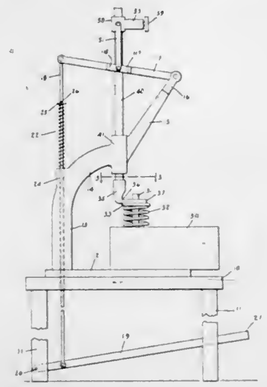
1. In a device of the kind described, a sprayer head and a fan associated therewith, in combination with means for rotating said spraying head in one direction and said fan in the opposite direction, said sprayer head comprising a spreader plate against which the material to be desiccated is moved and from which it is projected by centrifugal force, and the said fan being arranged to discharge a blast of air directly against the outer edge of said spreader plate.

1,468,120. NUT AND BOLT LOCK. PETER MALASKY, Detroit, Mich., assignor of one-half to Lazar Sawulchik, Detroit, Mich. Filed Apr. 6, 1922. Serial No. 549,989. 2 Claims. (Cl. 151—10.)



1. A nut locking device comprising a threaded element having a longitudinal slot, a nut engageable with said element, a ring rotatably engaged in the bottom of said nut, a projection extending inward of said ring suited to engage the mentioned slot, said ring containing a plurality of uniformly spaced openings in its upper surface, said nut having an opening parallel to its threaded opening registerable with any of the other openings, resilient means for retaining said ring within the nut, a spring impelled plunger movable in the opening of said nut and selectively engageable in the openings of said ring, a lever operable in the upper portion of said nut, said lever being normally level with its upper surface, and pivotal connections between said lever and said plunger.

1,468,121. VALVE-SPRING COMPRESSOR. ASHLEY E. MARTS and CLAUDE E. MARTS, Darlington, Ind. Filed Apr. 2, 1921. Serial No. 457,939. 9 Claims. (Cl. 29—86.3.)

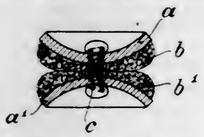


1. In a machine for compressing valve springs, the combination of a base, a valve spring compressing member, lever means for reciprocating said valve spring compressing member to compress the valve spring, and pedal means for operating said lever means.

1,468,122. PEN CLEANER. JOSEPH MAY, Frankfort-on-the-Main, Germany. Filed Mar. 15, 1923. Serial No. 625,312. 3 Claims. (Cl. 120—108.)

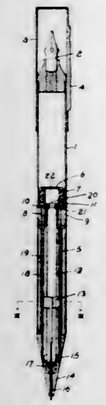
1. A pen-cleaner comprising a pair of elements lying in surface engagement with each other, at least one of said elements being of sponge-rubber, and means for re-

silently fastening said elements together at an intermediate point, whereby the surface engagement of said elements is maintained and the edges thereof are free and



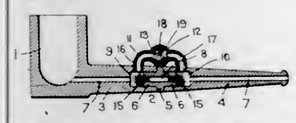
disconnected to permit a pen to be inserted between said elements and subjected to the cleaning action of the sponge-rubber.

1,468,123. COMBINED PEN AND PENCIL. JOHN MEREDITH MILLER, New York, N. Y. Filed Mar. 23, 1922. Serial No. 546,110. 7 Claims. (Cl. 120—47.)



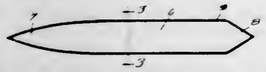
1. The combination of a tubular reservoir having a fountain pen at its outer end, a tube provided with a head forming a piston movable through said reservoir to fill the reservoir with writing fluid, said tube forming the casing of a mechanical pencil, and means for locking said tube and reservoir against relative movements when the piston end of the tube is adjacent to the inner end of the reservoir.

1,468,124. TOBACCO PIPE. THOMAS MOLLOY, Roxbury, Mass. Filed June 19, 1922. Serial No. 569,366. 4 Claims. (Cl. 131—12.)



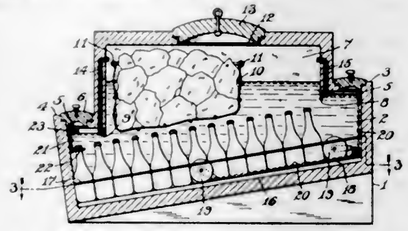
1. A tobacco pipe provided with the usual bowl and stem, the latter having a duct leading therethrough and formed with two chambers with which the duct communicates, a by-pass duct leading from one chamber to the other and situated above the chambers and absorbent material in the portion of the first-named duct that connects the chambers.

1,468,125. TOOTHPICK. ANDREW C. NIELSEN, Cleveland, Ohio. Filed Mar. 14, 1923. Serial No. 625,027. 4 Claims. (Cl. 132—93.)



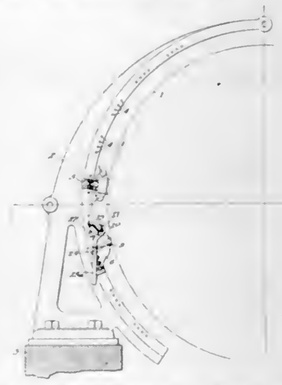
1. A toothpick concave in cross-section and having a continuous edge in a single plane.

1,468,126. BOTTLE REFRIGERATOR. WALTER O'NEEL, Shelbyville, Ind. Filed Mar. 7, 1923. Serial No. 623,313. 5 Claims. (Cl. 62—35.)



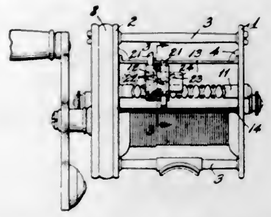
1. A bottle refrigerator, having a bottle chamber provided with a delivery opening therein and adapted to contain cooling liquid and an air tight ice chamber adjacent said bottle chamber and communicating therewith, said ice chamber being adapted to be closed to the atmosphere by a supply of liquid in said bottle chamber.

1,468,127. RING-TURNING DEVICE. WILLIAM S. PETERSON, Great Falls, Mont. Filed June 13, 1921. Serial No. 477,342. 6 Claims. (Cl. 82—4.)



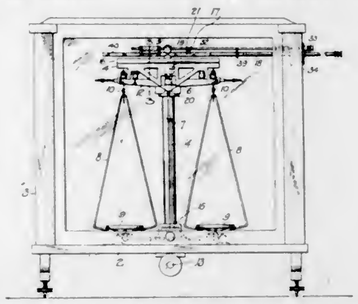
1. A ring-turning mechanism including a bracket constructed and arranged to be attached to the brush-holder standard of an electric machine, a tool holder, means for moving the tool holder transversely of the bracket and at right angle thereto and means for quickly moving the tool into and out of cutting position relatively to the said mechanism.

1,468,128. FISHING REEL. WALTER L. ADAMS, Akron, Ohio, assignor to The Enterprise Manufacturing Company, Akron, Ohio, a Corporation of Ohio. Filed Aug. 15, 1916. Serial No. 115,069. 6 Claims. (Cl. 242—84.4.)



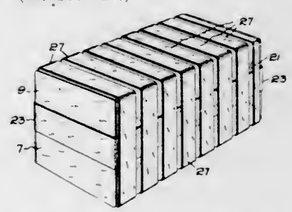
1. In a fishing reel, a frame, a spool, rotating mechanism for said spool, and level winding mechanism including a block, means for moving said block back and forth across said spool, line engaging members mounted in said block, and means adapted to be actuated at the ends of the movement of said block for rendering said members alternately effective and ineffective to cause them to engage the line at the ends of the spool and reverse the laying thereof on the spool.

1,468,129. WEIGHING INSTRUMENT. ROBERT G. AINSWORTH, Denver, Colo. Filed Aug. 26, 1919. Serial No. 319,920. 10 Claims. (Cl. 265—54.)



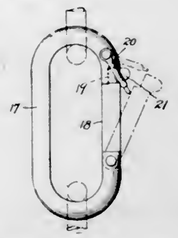
1. In a balance of the character described, a fulcrumed beam having a straight-edge, a rider movably supported thereon, a sliding member adapted to shift the rider and bearing a graduated scale, and an indicatory element cooperating with said scale, and having a lengthwise adjustment with relation thereto.

1,468,130. BALE. EDWARD H. ANGIER, Framingham, Mass. Filed July 6, 1918. Serial No. 243,515. 4 Claims. (Cl. 100—14.)



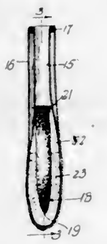
1. A bale comprising a commodity held under compression by ties comprising flexible non-metallic bands wound about the same in a plurality of superposed and adhesively connected turns.

1,468,131. SNAP HOOK. SAMUEL F. BASHARA, Houston, Tex. Filed Feb. 7, 1921. Serial No. 443,136. 1 Claim. (Cl. 24—241.)



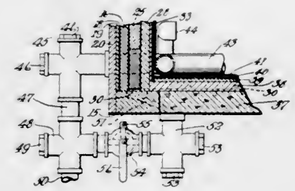
A snap hook including an open ring, a link pivoted at one end to one end of said ring, a catch carried by the other end of said link, the other end of the ring being formed with a shoulder, and the free end of the link being also formed with a shoulder, said shoulders abutting when the link is in closed position, a U-shaped latch pivoted to the shouldered end of the link and engaging over said catch when the link is in closed position, and a spring operating against the latch and tending to hold the same in engaging position over said catch.

1,468,132. POWDER BAG. SAMUEL BENENSOHN, Chicago, Ill. Filed Nov. 13, 1922. Serial No. 600,526. 3 Claims. (Cl. 132—82.)



3. A powder bag, comprising a flat tubular bag made of flexible material, and consisting of an outer bag of silk, or the like and an inner bag of chamois skin, the two bags being attached together at their top edges and being open at the top and closed at the bottom, a flat tubular screen pocket of fine mesh, closed at the bottom and open at the top, said pocket being secured within the bag with its top edge attached to the opposite sides of the chamois bag in position to leave a reservoir space surrounding the sides and bottom of said screen pocket, the main bag projecting above the top of the screen pocket and being adapted to be folded upon itself, and a puff adapted to fit within said screen pocket.

1,468,133. ICE-CREAM CABINET. EDMOND N. BOURDON, Chicago, Ill. Filed Dec. 10, 1921. Serial No. 521,432. 18 Claims. (Cl. 217—5.)

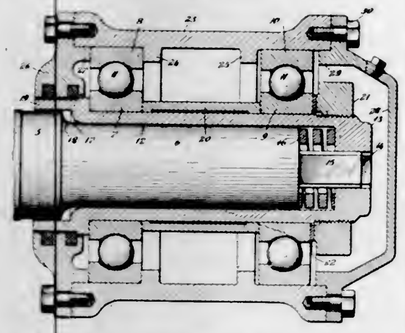


1. An ice cream cabinet provided with compound walls and an inner metallic lining, said compound walls each including an inner section consisting of a layer of non-conducting material and a layer of impervious material at the inward side thereof; and means to provide a drainage passage for leakage through said lining and said inner section.

1,468,134. JOURNAL BEARING. HAROLD E. BRUNNER, Larchmont, N. Y., and WILLIAM JETTER, Collingswood, N. J., assignors to The Hess-Bright Manufacturing Company, a Corporation of Delaware. Filed May 18, 1920. Serial No. 382,242. 9 Claims. (Cl. 64—36.)

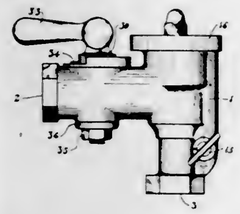
9. In a device of the character specified, the combination with a journal having at its inward end an outwardly facing shoulder, of a sleeve surrounding the journal and having a shoulder at its inner end adapted to engage the said shoulder of the axle upon outward or

thrust movement of the axle, the sleeve having on its exterior inner end an outwardly facing flange, a combined radial and thrust ball bearing mounted on the sleeve and having its inner face engaging the said flange, a casing surrounding the sleeve and having an inwardly facing flange engaging the outer ring of the said ball bearing, a spring adapted to resist a predetermined amount of end



thrust between the sleeve and the journal for holding the said shoulders apart, a radial bearing mounted between the casing and the sleeve adjacent the outer end of the journal, the lines of force transmitted through the sleeve to the said thrust receiving ball bearing being the same whether communicated thereto by the spring or by the intereugagement of the said shoulders.

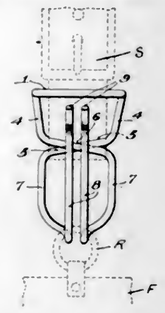
1,468,135. AUTOMATIC GAS-SHUT-OFF VALVE. ISAAC H. CARR, Cincinnati, Ohio. Filed Aug. 21, 1922. Serial No. 583,214. 8 Claims. (Cl. 67—115.)



1. In an automatic gas shut-off valve, a valve body having a primary valve chamber and a secondary valve chamber therebelow, said valve body having a space in its upper end and grooves in the upper end wall of said primary valve chamber communicating with said space and having a passage leading from said space into said secondary valve chamber, a primary floating valve in said primary valve chamber, a secondary valve in said secondary valve chamber, a vertical slidable stem on which said primary and secondary valves are mounted, said valve body having a gas inlet below said grooves and a resettling gas inlet below said first named gas inlet, a valve adapted to open and close said inlets, said valve body having a discharge outlet and a by-pass leading from the passage to said discharge outlet, and means to open and close said by-pass, substantially as set forth and for the purposes specified.

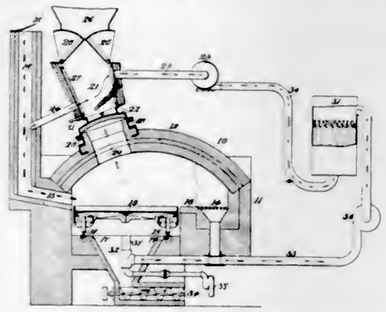
1,468,136. FEED-BAG FASTENER. ERNEST R. CHATTERLEY, Flandreau, S. Dak. Filed Sept. 25, 1922. Serial No. 590,557. 5 Claims. (Cl. 24—237.)

1. In a feed bag fastener, a member having a substantially U-shaped horizontal top part provided with depending portions which latter are extended inwardly and horizontally and cross each other and are then extended downwardly and contracted and finally extend



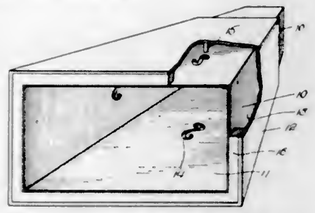
vertically and upwardly and have outwardly inclined terminals which latter are in approximate register with the outer member of the U-shaped top part.

1,468,137. PROCESS OF GARBAGE INCINERATION. FREDERICK H. COLLINS and MARTIN L. PELLETT, Vallejo, Calif. Filed Jan. 22, 1919. Serial No. 272,573. 2 Claims. (Cl. 110—12.)



1. A process of garbage incineration which consists in burning garbage in a furnace, passing a part of the hot gases of combustion from the furnace through a mass of raw garbage at a point exterior of the furnace whereby the raw garbage will be dried, thereafter feeding the raw garbage to the furnace for burning, drawing off the gases incident to the drying of the raw garbage, clarifying the same and delivering the clarified gases to burn with the previously dried garbage.

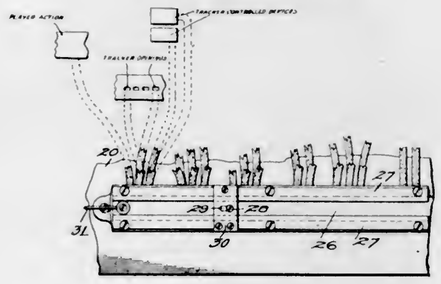
1,468,138. PHONOGRAPH. HERBERT O. CRIPPEN, Sanford, Fla. Filed Nov. 17, 1921. Serial No. 515,806. 1 Claim. (Cl. 181—27.)



A sound amplifying device comprising a thin, yielding sound-responsive, inner casing, providing a freely open chamber; an outer casing spaced from the inner casing,

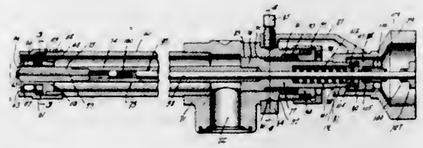
said outer casing having thick, rigid walls substantially non-responsive to sound vibrations providing a tone chamber between the casings, said intermediate chamber closed at its ends and means between the two casings to tension the thin loner casing.

1,468,139. SWITCHING MECHANISM FOR PLAYER PIANOS. THOMAS DANQUARD, New York, N. Y., assignor to Auto Pneumatic Action Company, a Corporation of New York. Filed Mar. 31, 1920. Serial No. 370,150. 3 Claims. (Cl. 84—151.)



1. In a piano-player a plurality of tracker controlled devices, and a switching mechanism comprising means effective to connect one of said devices to either one of two different tracker openings, and two additional devices by the same operating means alternately to a single tracker opening.

1,468,140. OIL BURNER. JOHN DINGHOGLOU, Portland, Oreg. Filed Dec. 1, 1921. Serial No. 519,226. 5 Claims. (Cl. 158—120.)



4. In a device of the class described, a tubular body, a nozzle on the body, a plunger threaded into the body and cooperating with the nozzle, the plunger comprising a member having an internal recess and an external shoulder, a hand wheel including a hollow hub surrounding said member and abutting against the shoulder, a cleaner for the nozzle and slidable in the plunger, a compression spring in the recess, an abutment on the cleaner and coacting with the spring, the abutment being slidable in the recess, a retainer on said member of the plunger within the hub of the hand wheel, the retainer constituting a stop for the abutment and coacting with the hub of the hand wheel to hold the same in cooperating relation to the shoulder, and means carried by the retainer for guiding the cleaner, the cleaner being slidable in the retainer.

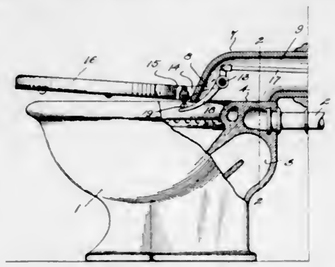
1,468,141. GARMENT. AMELIA P. DUTTON, Jr., Washington, D. C. Filed Apr. 26, 1923. Serial No. 634,825. 2 Claims. (Cl. 2—41.)

2. In a body garment, sleeves provided with vents at their lower portions and adapted to be turned back upon themselves, and cooperating fastening means on the lower portions of said sleeves at points thereon opposite to said vents and on the shoulders of said garments respectively for maintaining said sleeves in turned-back



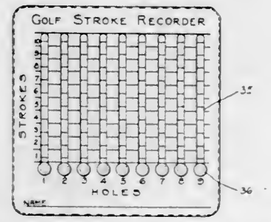
position, said vents adapted to underlie the armpits of the wearer and permit the lower portion of the sleeves to drape over the upper arm.

1,468,142. WATER CLOSET. DAVID A. EBINGER, Columbus, Ohio, assignor to The D. A. Ebinger Sanitary Mfg. Co., Columbus, Ohio, a Corporation of Ohio. Filed Aug. 31, 1922. Serial No. 585,377. 1 Claim. (Cl. 4—21.)



A water closet bowl of vitreous material and including a platform, a ventilating member formed from metal, the bowl and member being provided, respectively, with flanges, said members having a flared mouth partially closed by the platform and communicating with the interior of the bowl, and an integral duct in communication with the mouth, and means for detachably connecting the flanges as and for the purpose set forth.

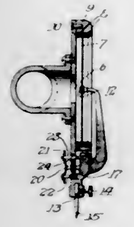
1,468,143. GAME COUNTER. LEONARD C. ELDRIDGE, Indianapolis, Ind. Filed June 21, 1921. Serial No. 479,180. 4 Claims. (Cl. 235—123.)



1. In a counter, the combination of a slidably supported indicator, a plunger slidably supported by said indicator, a rack, means yieldingly forcing said plunger into

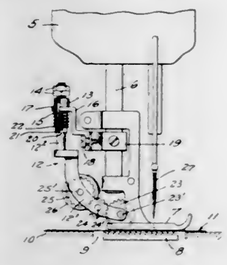
engagement with said rack to permit forcible movement of said indicator upon said rack in one direction and prevent the return thereof in the opposite direction, and means limiting the sliding movement of said plunger.

1,468,144. SOUND BOX. AXEL ENGNELL, Chicago, Ill. Filed Mar. 20, 1919. Serial No. 283,784. Renewed July 9, 1923. 1 Claim. (Cl. 274—35.)



A sound box construction including a support, a stylus bar, means for mounting said stylus bar on said support, said means including bearing means carried by said bar and engaging said support, bearing means engaging the opposite side of said support, said plurality of bearing means defining the axis of oscillation of said stylus bar, and a plurality of members mounted on said bar on opposite sides of said axis of oscillation for maintaining said bearing means in engagement with said support.

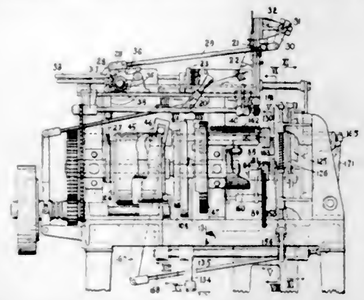
1,468,145. WORK-MEASURING ATTACHMENT FOR SEWING MACHINES. EMMETT W. ENTRIKEN, Seattle, Wash., assignor of eighteen per cent to Eleanor Madieux, Seattle, Wash. Filed Sept. 5, 1922. Serial No. 586,128. 3 Claims. (Cl. 33—134.)



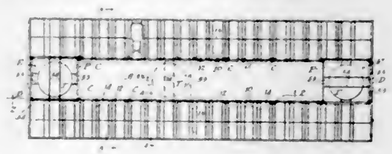
1. The combination with a sewing machine, of measuring apparatus comprising a bracket adapted to be secured to the presser-foot bar of the machine, a frame supported by said bracket for vertical movements relative thereto, a counter carried by said frame, a tracking wheel carried by the frame and adapted for peripheral engagement with the cloth to be measured, and operative connection between the said wheel and the indicating mechanism of said counter.

1,468,146. BOX-MAKING MACHINE. MARTIN FEYBUSCH, New York, and SIGURD SEVERSON, Brooklyn, N. Y., assignors to New Jersey Machine Corporation, Hoboken, N. J., a Corporation of New Jersey. Filed Oct. 14, 1920. Serial No. 417,014. 29 Claims. (Cl. 93—54.)

1. In a mechanism for supplying a composite binding strip for boxes, means for carrying two paper strips, independent means for gumming each of the strips, means for guiding and superimposing the strips with their corresponding edges out of coincidence, a table for supporting the combined strips after leaving the guiding means, and feeding mechanism, movable lengthwise of said table, for drawing the combined strips over the table.



1,468,147. AUTOMOBILE STORAGE. EMORY MELVON FRASIER, Los Angeles, Calif., assignor to Isabel A. Frasier, Los Angeles, Calif. Filed June 6, 1922. Serial No. 566,282. 10 Claims. (Cl. 214—16.)



1. Automobile storage, embodying a structure having superimposed lines of storage stalls fronting on an alleyway, an elevator in the alleyway, a mobile turntable platform adapted to be carried on the elevator; and ways in the structure extending along the alleyways at the levels of the lines of stalls and on which ways the turntable platform is adapted to run.

1,468,148. ARTIFICIAL BAIT. HELMUTH J. GAESS, Palisade, N. J., assignor to Vesco Bait Co., New York, N. Y. Filed Mar. 21, 1922. Serial No. 545,410. 3 Claims. (Cl. 43—28.)

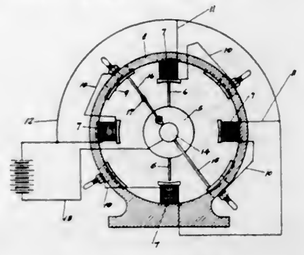


1. In an artificial bait, an eye formed by two oppositely disposed hooks arranged side by side, the point of one of said hooks being longer than that of the other, and means for attaching said hooks to such bait.

1,468,149. HEAT-INSULATING MATERIAL AND METHOD OF MANUFACTURE. OSCAR GERLACH, La Salle, Ill. Filed Feb. 24, 1920. Serial No. 360,826. 4 Claims. (Cl. 106—19.)

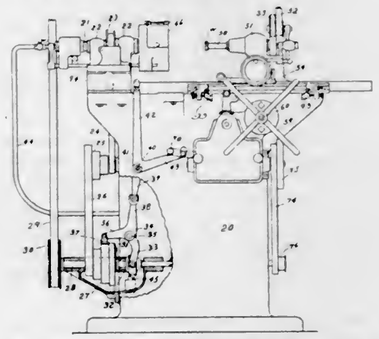
2. A method of preparing a heat insulating composition including adding a soluble metallic salt to a solution of a silicate, separating the gelatinous precipitate so formed from the salts in solution, and mixing the separated precipitate while it is still moist with infusorial earth.

1,468,150. ELECTRIC MOTOR. JACOB GOODMAN, Chicago, Ill. Filed Aug. 16, 1920. Serial No. 403,689. 11 Claims. (Cl. 172—36.)



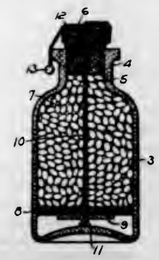
1. An electric motor comprising a revoluble armature; a plurality of field magnets surrounding said armature; and contact means for said magnets, having adjustable operative surfaces, substantially as described.

1,468,151. INTERNAL-GRINDING MACHINE. JAMES N. HEALD and ALDEN M. DRAKE, Worcester, Mass., assignors to Heald Machine Company, Worcester, Mass., a Corporation of Massachusetts. Filed Apr. 11, 1921. Serial No. 460,211. 4 Claims. (Cl. 51—30.)



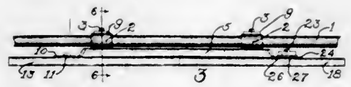
1. In a grinding machine, a wheel spindle, driving means therefor, a grinding wheel, a wheel table, power feeding means therefor, manual feeding means therefor, and controlling mechanism effective to disconnect said spindle driving means and to simultaneously render said power feeding means inoperative and said manual means operative.

1,468,152. CONTAINER. GEORGE P. HEMSTREET, Hastings-upon-Hudson, N. Y. Filed May 9, 1919. Serial No. 295,972. 11 Claims. (Cl. 215—3.)



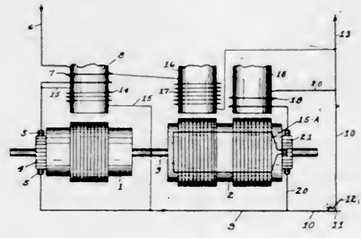
1. The combination with a container and a closure therefor provided with an opening, of a follower, and follower operating means extending through said opening and operable from the exterior of said container to compact solid matter between said follower and said closure when said closure is applied thereto.

1,468,153. LICENSE-PLATE HOLDER. FRANK C. HILL, Chicago, Ill. Filed Aug. 21, 1922. Serial No. 583,167. 7 Claims. (Cl. 40—125:6.)



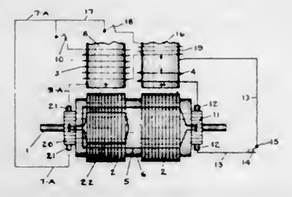
6. A vehicle license plate holder comprising a pair of overlapping plates, frame channels integrally formed on said plates and abutting one another, and means secured to one of said plates for removably connecting said plates.

1,468,154. SELF-REGULATING MOTOR-GENERATOR SET FOR ARC WELDING. JOSEPH A. HOLIFIELD, Mobile, Ala., assignor to White Fuel Oil Engineering Corporation, New York, N. Y., a Corporation of New York. Filed May 9, 1921, Serial No. 467,846. Renewed June 29, 1923. 2 Claims. (Cl. 219—15.)



1. An arc welding apparatus comprising a welding circuit having welding electrodes therein, a source of constant potential current connected to said circuit, and an automatic regulating means for the current delivered to the welding circuit comprising a motor generator set adapted to deliver a current of substantially constant wattage at the arc within normal limits, said set comprising a shunt wound motor with its series field winding in series with the arc circuit, and a generator having twin sets of fields, one set of field windings constantly energized by said source of current and the other set being differentially and variably energized by a circuit connected in series with the generator armature and across the welding circuit.

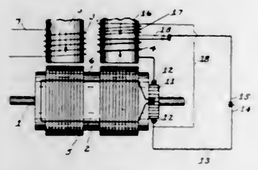
1,468,155. SELF-REGULATING ARC-CURRENT GENERATOR. JOSEPH A. HOLIFIELD, Mobile, Ala., assignor to White Fuel Oil Engineering Corporation, New York, N. Y., a Corporation of New York. Filed Mar. 21, 1921. Serial No. 454,277. 11 Claims. (Cl. 171—223.)



1. A self-regulating electric current generator for a welding arc, comprising a single armature, a single commutator for the work circuit, twin fields adapted to exert

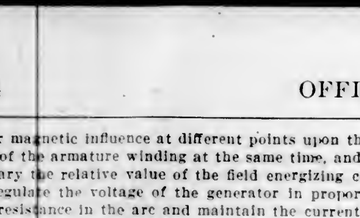
their magnetic influence at different points upon the same coil of the armature winding at the same time, and means to vary the relative value of the field energizing currents to regulate the voltage of the generator in proportion to the resistance in the arc and maintain the current in the arc substantially constant.

1,468,156. ARC-WELDING APPARATUS. JOSEPH A. HOLIFIELD, Mobile, Ala., assignor to White Fuel Oil Engineering Corporation, New York, N. Y., a Corporation of New York. Filed May 9, 1921, Serial No. 467,844. Renewed June 29, 1923. 1 Claim. (Cl. 219—15.)



In an arc welding apparatus, an armature having a single commutator, brushes for the commutator, an arc welding circuit in series with the brushes, twin fields for the armature, a separately excited winding for one set of fields giving them a constant polarity and a substantially constant magnetic strength, and compound differentially connected windings for the other set of fields, one winding in series with the arc and the other in a circuit across the brushes.

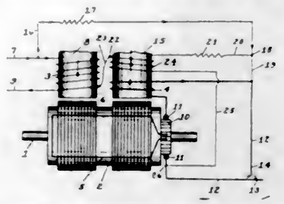
1,468,157. INHERENTLY-REGULATED DYNAMOTOR. JOSEPH A. HOLIFIELD, Mobile, Ala, assignor to White Fuel Oil Engineering Corporation, New York, N. Y., a Corporation of New York. Filed Feb. 20, 1922. Serial No. 538,125. 4 Claims. Cl. 171—224.)



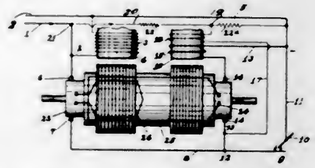
1. In a dynamo electric machine, an armature having two commutators, two sets of poles disposed in different transverse planes through the armature and arranged to span substantially simultaneously a conductor from one commutator, an exciting conductor from the other commutator which is spanned by but one set of poles, means to constantly excite said latter set of poles, a series exciting winding for the other set of poles, and means to convert said dynamo electric machine from an electrically driven unit to a mechanically driven unit, and vice versa.

1,468,158. ARC-WELDING APPARATUS. JOSEPH A. HOLIFIELD, Mobile, Ala., assignor to White Fuel Oil Engineering Corporation, New York, N. Y., a Corporation of New York. Filed May 9, 1921, Serial No. 467,845. Renewed June 29, 1923. 4 Claims. (Cl. 219—15.)

1. An arc welding apparatus comprising twin fields of opposite polarity when the arc is struck, one separately excited and one a series wound field responsive to the current flow at the arc, a commutator in series with said latter field, an armature having its windings jointly and simultaneously influenced by said twin fields, armature brushes, a reversing winding in the series field, and circuit connections to reverse the current flow through said reversing winding to cause it to boost the series winding when the arc is struck.

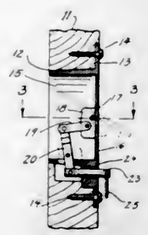


1,468,159. CONSTANT-CURRENT DYNAMOTOR FOR INDIVIDUAL ARC CIRCUITS. JOSEPH A. HOLIFIELD, Mobile, Ala., assignor to White Fuel Oil Engineering Corporation, New York, N. Y., a Corporation of New York. Filed Sept. 26, 1921. Serial No. 503,216. 2 Claims. (Cl. 171—224.)



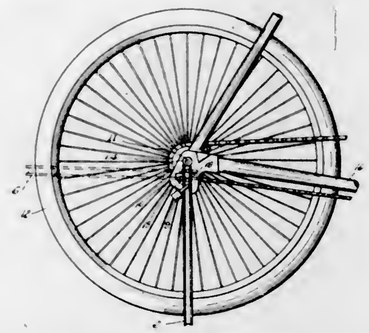
1. A mechanism for the generation and regulation of electrical current for a single arc circuit comprising, in combination with the circuit including the arc and a main supply circuit, a dynamotor comprising twin fields having a single armature with its generator windings extending under both fields and its motor windings extending only under one field, a branch circuit from the main supply circuit to constantly energize said latter field, and circuit connections to produce in the other field, when the arc circuit is closed, a magnetism counter to that of the constantly energized field and varying in direct proportion to the resistance in the arc.

1,468,160. VENTILATOR. THEODORE HORN, Cicero, Ill. Filed June 6, 1921. Serial No. 475,257. 2 Claims. (Cl. 98—31.)



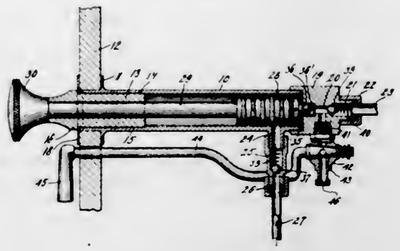
1. A ventilator comprising a sleeve substantially oval shaped which is mountable through a sash and provides an opening which extends from the inside to the outside of said sash and is of the full cross section of the interior of said sleeve, flanges on said sleeve for engaging the inner side of said sash and fastening it thereto, a closing member mounted at the inner end of said sleeve and provided centrally with means projecting into said sleeve, a pivot pin mounted diametrically across said sleeve and extending through said projecting means, means connected to said projecting means and extending through the wall of said sleeve, and manual means attached to said connected means and extending to the interior of the sash for operating said ventilator from the interior of the room.

1,468,161. BICYCLE STAND. HILDING A. LAYSTROM, Chicago, Ill. Original application filed Apr. 16, 1921, Serial No. 462,003. Divided and this application filed June 5, 1922. Serial No. 565,904. 7 Claims. (Cl. 208—75.)



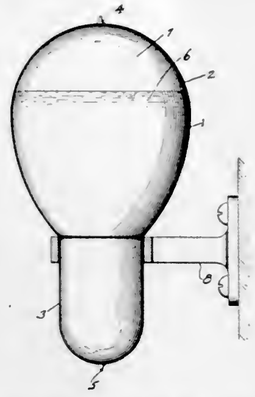
1. A bicycle stand comprising an attaching bracket having an opening for mounting the bracket on the bicycle axle adjacent the axle nut and being provided with two separate slots: and a supporting member having a pair of pins engaging in said slots, by means of which said supporting member may be held in either a suspended position or in an operative position with said stand engaging beneath said axle nut.

1,468,162. PRIMING DEVICE. JOSEPH WM. LE MAIRE, New York, N. Y. Filed Dec. 24, 1921. Serial No. 524,723. 1 Claim. (Cl. 123—187.5.)



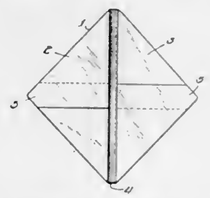
In a device of the character described, the combination with a pump cylinder having an inlet communicating with a supply of liquid hydrocarbon and an outlet connected with the intake-manifold of an internal combustion engine, said outlet extending through the front head of said cylinder and being screw-threaded, of a piston in said cylinder, a piston rod connected with said piston having a screw-threaded portion projecting in front of said piston and adapted to engage said screw-threaded pump outlet, thereby closing said outlet and holding said piston against accidental movement, a check valve controlling said inlet, a check valve controlling said outlet, and a cock-controlled passage for establishing a communication between the atmosphere and said cylinder in rear of the check valve controlling said outlet.

1,468,163. FIRE EXTINGUISHER. IVAN M. MATSON, Chicago, Ill. Filed Mar. 22, 1922. Serial No. 545,837. 3 Claims. (Cl. 169—36.)



1. A fire extinguisher comprising a fragile container partly filled with a fire extinguishing liquid, and the remainder of the container having the air partially or completely exhausted therefrom.

1,468,164. TOILET-POWDER PACKAGE. GRACE F. MCCARTY, Chicago, Ill. Filed Jan. 20, 1921. Serial No. 438,579. 5 Claims. (Cl. 132—78.5.)

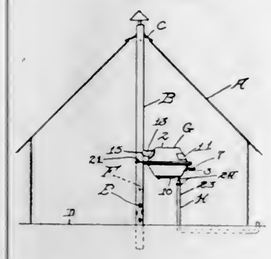


5. A powder appliance comprising a body of fabric folded into a plurality of substantially triangular plies, and a correspondingly formed triangular envelope opening along one of its sides, adapted to receive the appliance with its apex foremost and to contain powder in its apex opposite its open side and hold said powder in contact with the apex of the appliance; said envelope having a triangular flap connected through one of its sides to the open side of the envelope, and constructed with a pocket adapted to receive the envelope within it.

1,468,165. CAMP STOVE. CHARLES A. MOORE, St. Paul, Minn. Filed Sept. 19, 1918. Serial No. 254,870. 1 Claim. (Cl. 126—80.)

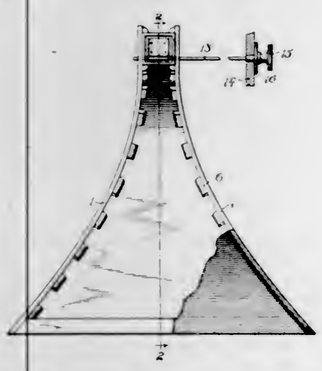
A camp stove and ventilator for tents, comprising, in combination, a tubular tent pole forming a chimney having an opening in its side, a stove detachably mounted upon said pole above the floor of the tent and having a vent for smoke and gases through a pipe leading into said pole, said stove comprising a pair of shell members resembling hollow frustums of a cone secured together, the lower section being inverted and forming a fire pot and a circular grate rotatably mounted in said lower section on the side of its downwardly converging surface distanced above the bottom of said section also said lower section having a slot in its side through which a handle is free to move during the oscillating movement of the grate, and a duct for air from outside said tent leading upwardly and terminating above the floor of the tent and in proximity

to said stove, said pole having vent openings near the floor of said tent, whereby a current of pure air is admitted into said tent and heated by said stove and circulated throughout the interior of the tent and cold vitiated air is drawn from near the floor of the tent and ejected



with the smoke and gases from said stove to the outer atmosphere through said pole, and said pipe being formed with a hook on the upper portion of its outer end adapted to detachably engage through and back of the edge of the opening in said pole while the body of the stove rests against the pole to support the stove.

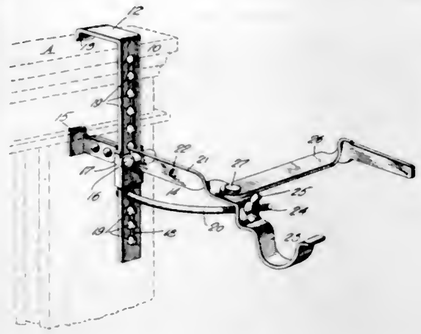
1,468,166. SOUND AMPLIFIER. MARTIN NYSTROM, Chicago, Ill., assignor to The Brunswick-Balke-Collender Company, Chicago, Ill., a Corporation of Delaware. Filed Nov. 6, 1916. Serial No. 129,715. 3 Claims. (Cl. 181—27.)



1. A sound amplifier for talking machines embodying a bell portion and a neck portion, the latter curving laterally and disposed approximately at a right angle to the bell portion, each of the walls of the amplifier consisting of a flat sheet, the side walls having grooves near their longitudinal edges in which the edges of the top and bottom walls are received, and cleats adhesively secured to the outer faces of the top and bottom walls and to the inner faces of the projecting marginal portions of the side walls.

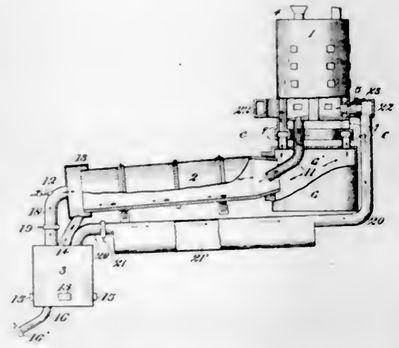
1,468,167. CURTAIN-ROD AND SHADE-ROLLER BRACKET. JOHN PECORA and JOSEPH R. PECORA, Buffalo, N. Y. Filed Apr. 15, 1922. Serial No. 553,152. 5 Claims. (Cl. 156—24.)

2. In a device of the character described a relatively stationary clamping member including a gripping jaw adapted to clamp on to a support, and a leg portion, a slot in said leg portion, an adjustable clamping member extending through said slot and having a gripping jaw adapted to be moved toward or from the gripping jaw of said stationary member, a sleeve mounted to slide on said leg portion of the stationary member, a pivotal connec-



tion between said sleeve and said adjustable clamping member, and a curtain rod holding part carried by said adjustable clamping member.

1,468,168. APPARATUS FOR CALCINING AND CLINKERING. ROBERT D. PIKE, San Francisco, Calif. Filed July 5, 1922. Serial No. 572,895. 6 Claims. (Cl. 222—7.)



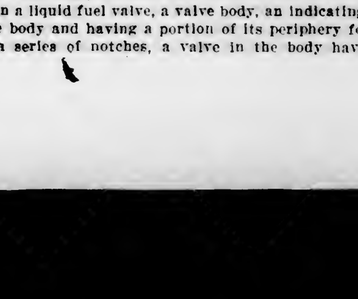
6. An apparatus for the described purpose, the same comprising a calcining element provided with upwardly extended flues communicating with the interior thereof at points above its zone of combustion, a clinkering element, means for conveying the products of combustion therefrom into the upwardly extending flues of the calcining element, an annular flue interposed between the clinkering element and the calcining element provided with a series of outlets communicating with the interior of the calcining element within the sphere of its zone of combustion, a cooling element associated with the clinkering element, and means for conveying air directly from the cooling element into the said annular flue for discharge into the calcining element for supporting combustion therein.

1,468,169. BEAD CHAIN AND SPLICER FOR THE SAME. RAYMOND R. RUNDELL, Elmira, N. Y. Filed Aug. 2, 1922. Serial No. 579,224. 5 Claims. (Cl. 59—78.)

1. A bead chain comprising a series of perforated hollow spheres flexibly connected together by links, each of said links having a pointed barb at each of its ends so constructed, arranged and adapted to be inserted through

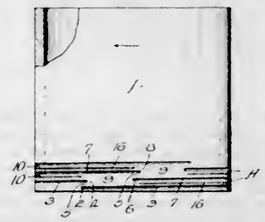
a perforation of a sphere and retained therein and against withdrawal after inserted in said sphere by engaging the inner wall of the hollow sphere.

1,468,170. AUTOMATIC STOP FOR PHONOGRAPHS. JOHN A. SCHILD, Vincennes, Ind., assignor to Lucius R. Henley, Vincennes, Ind. Filed Mar. 5, 1921. Serial No. 450,068. 24 Claims. (Cl. 192—118.)



1. An automatic stopping device for talking machines including a brake, means for operating said brake and automatically operable by the difference in movement of the tone arm and the rotation of the record, and means for positively operating said brake upon the failure of the tone arm to stop moving at the end of the record.

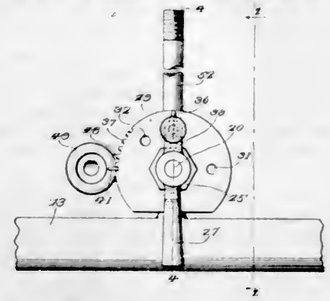
1,468,171. METHOD OF MAKING PISTON RINGS. JOHN H. SCHREIBER, St. Louis, Mo. Filed Dec. 17, 1920. Serial No. 431,397. 8 Claims. (Cl. 29—156.6.)



1. The herein described method of making piston ring members for use in two piece piston rings, which consists in cutting offset over-lapping spiral grooves to provide a temporary tie section between each ring member.

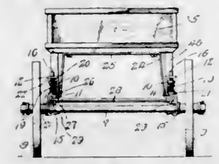
1,468,172. OIL VALVE. FREDERICK H. SCHULENBERG, Lima, Ohio, assignor to Vapo Stove Company, Lima, Ohio. Filed Feb. 7, 1922. Serial No. 534,786. 2 Claims. (Cl. 251—153.)

1. In a liquid fuel valve, a valve body, an indicating disk on the body and having a portion of its periphery formed with a series of notches, a valve in the body having a handle on its upper end for traversing the dial, the dial having a depression, a spring pressed plunger carried by the handle and engageable in the depressions, a nose car-



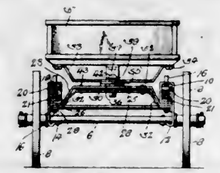
ried by the handle, and a spring pressed detent carried by the body and engageable in the different notches to be engaged by the nose of the handle.

1,468,173. WAGON. HENRY M. SHAW, Canastota, N. Y., assignor to Sherwood Bros. Mfg. Co. Inc., Canastota, N. Y. Filed Oct. 25, 1922. Serial No. 596,702. 2 Claims. (Cl. 280—87.5.)



1. A wagon comprising an axle, brackets supported by the axle, said brackets having horizontal apertured portions, a bolster having an upwardly bowed intermediate portion, and horizontal apertured portions engaging beneath and overlapped by the horizontal apertured portions of said brackets, means for connecting the upwardly bowed portion of the bolster to the body of the wagon, an apertured cross bar above and parallel with the axle, posts extending upwardly through the apertures in said cross bar, bolster and bracket, and means for clamping the cross bar to the bolster, coil compression springs on said posts engaging said brackets at their lower ends, and means on the posts engaged by the upper ends of the springs whereby said springs normally force said posts upwardly through said apertures.

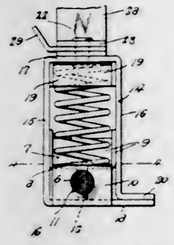
1,468,174. WAGON. WILLIAM E. SHERWOOD, Canastota, N. Y., assignor to Sherwood Bros. Mfg. Co. Inc., Canastota, N. Y. Filed Oct. 25, 1922. Serial No. 596,703. 2 Claims. (Cl. 267—60.)



1. A wagon comprising an axle, brackets comprising a vertical body portion apertured to receive the ends of the axle, said body portion having inwardly extended ends parallel with and engaging the axle and secured thereto, said body portion having an inwardly extending upper apertured horizontal portion, a vertical portion depending from said horizontal portion, an outwardly extending

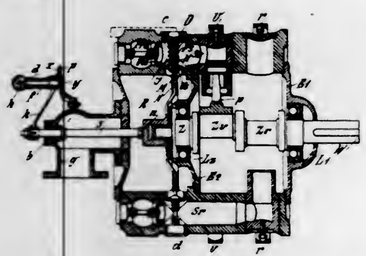
apertured horizontal portion terminating adjacent said body portion, a bolster having an upwardly bowed intermediate portion and apertured horizontal end portions, said end portions underlying the outwardly extending horizontal portions of the brackets, an apertured cross bar, posts extending upwardly through the apertures in the cross bar and bolster, and through the said inturned and outturned apertured horizontal portions of the brackets, coil compression springs on the posts, means on the upper ends of said posts engaged by the upper ends of said springs, and means on said ontturned apertured horizontal portion of said bracket engaged by the lower end of said spring.

1,468,175. WAGON. WILLIAM E. SHERWOOD, Canastota, N. Y., assignor to Sherwood Bros. Mfg. Co. Inc., Canastota, N. Y. Filed Oct. 25, 1922. Serial No. 596,705. 2 Claims. (Cl. 267—60.)



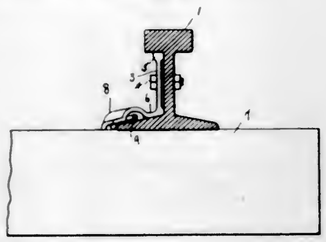
1. A wagon comprising a rear axle, a pair of spring housings having inner and outer legs straddling said shaft, upper and lower spring pocket members within said housings, said lower pocket members resting on said shaft and having downturned apertured flaps pierced by said shaft, said upper pocket members being fixed to said housings and adapted to receive the upper end of said springs, the said inner and outer legs of said housings having outturned parallel horizontal portions, the said horizontal portions of said inner legs extending beneath said shafts in proximity to said downturned flaps, a brace rod spanning said housings and connected thereto, a bolster connected to the body of the wagon and to said rod and housings.

1,468,176. PROCESS AND MEANS FOR THE STEPWISE VARIATION OF THE OUTPUT OF MULTICYLINDER PLUNGER PUMPS. GIULIO SILVESTRI, Trieste, Italy. Filed Sept. 22, 1922. Serial No. 589,926. 6 Claims. (Cl. 103—37.)



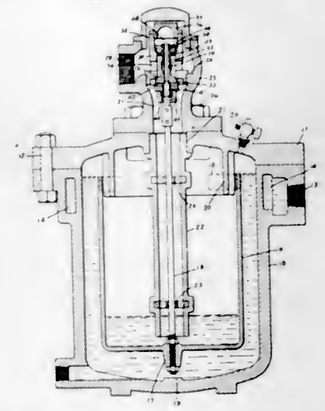
1. In multi-cylinder pumps, compressors and the like, the combination of a series of radially-arranged cylinders, each having a suction valve combined therewith, movable cam means adapted to control the movement of the suction valves during the operation of the device, the said cylinders each having a piston associated therewith, and means adapted to control the movement of the pistons in said cylinders.

1,468,177. FISHPLATE BOND PROTECTOR. LEE R. SNYDER, Caretta, W. Va. Filed Mar. 14, 1923. Serial No. 625,100. 2 Claims. (Cl. 238—243.)



1. In a bond protector for rail joints comprising a fish plate, a base formed on said fish plate and extending outwardly from the web of the rails, a raised guideway formed in the base of said fish plate, said guideway extending the full length of the fish plate and adapted to protect the electrical current bond from engagement with any porion of the train upon accidental jumping of the train from the track.

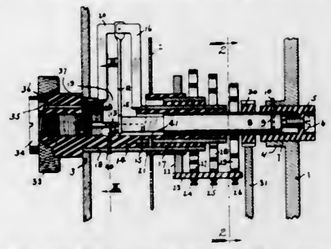
1,468,178. STEAM TRAP. COLE STICKLE, Indianapolis, Ind., assignor to Open Coil Heater & Purifier Company, Indianapolis, Ind., a Corporation. Filed Apr. 22, 1921. Serial No. 463,650. 6 Claims. (Cl. 137—103.)



1. A steam trap including a chamber for the condensation water, a conduit extending from the upper end of said chamber, a float in said condensation chamber, a discharge outlet in communication with the upper end of said conduit, a main valve for controlling said discharge outlet with a vertical opening therethrough and enlarged at its lower end and with lateral openings from the enlarged portion of said vertical opening, and a pilot valve in said enlarged portion of the vertical opening in said main valve adapted to close the reduced upper portion thereof.

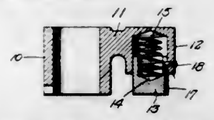
1,468,179. COMBINED THERMOSTAT AND TIME CONTROL. FRANK M. SUTTON, Vallejo, Calif. Filed Feb. 26, 1920. Serial No. 361,452. 5 Claims. (Cl. 219—35.)

1. In thermostat controlled mechanism, a pair of adjustable arms carrying contacts, and a member therebetween adapted to complete a different electric circuit through each of said arms, and means actuated by temperature differences and controlling the movement of the member whereby one of the circuits is established at a temperature corresponding with the adjustment of one



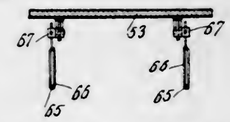
of the arms and when contacting therewith and whereby the other circuit is established upon the contacting of the other arm by the member.

1,468,180. TIMER BRUSH. EARL W. TURNER, Kokomo, Ind. Filed May 16, 1921. Serial No. 470,098. 4 Claims. (Cl. 171—324.)



2. In a timer brush, an electrode having one end thereof reduced to provide a rectangular flat contacting face, said electrode having a groove extending from said flat face and terminating at a point removed from the other end of the electrode, a rotatable holder, a socket forming means carried by the holder and having said electrode mounted therein, a spring arranged in said means and bearing against the electrode for normally maintaining a portion thereof projected from said means, and a stop element carried by said means and engaging in said groove for limiting the outward movement of the electrode.

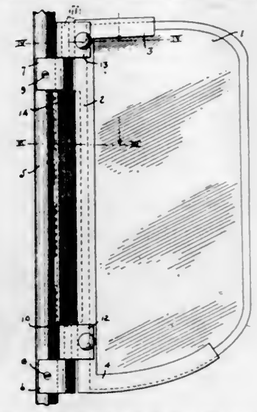
1,468,181. DRYING APPARATUS FOR PLATES OF METAL AND OTHER MATERIAL. CHARLES WAGNER, Grantwood, and AUGUST HOEMEL, Jersey City, N. J. Filed June 8, 1922. Serial No. 566,896. 18 Claims. (Cl. 94—12.)



6. In an apparatus for drying wet plates, the combination with a casing having suitable drying means, of a conveyor chain mounted in said casing, plate holders mounted on said chain and feed mechanism for slidingly feeding a plate between adjacent plate holders, comprising a plurality of conveyor chains mounted at the front of the machine and disposed above the plane of the conveyor chain to cause the plates to engage the plate holders intermediate the top and bottom thereof during rearward movement thereof and means for causing an opening of relatively large extent between adjacent plate holders.

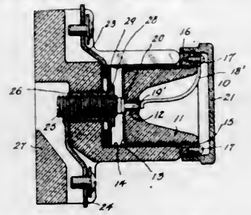
1,468,182. WINDSHIELD WING. ALBERT WASSEL, San Francisco, Calif. Filed June 17, 1922. Serial No. 569,010. 2 Claims. (Cl. 296—84.)

1. A wind shield wing comprising a glass member, a channel frame adapted to embrace substantially half of the periphery of said glass member, a split hinge one portion of which is fixed to said frame on one side and the other portion normally clear of said frame, clamp means by which said portions are compressed about a



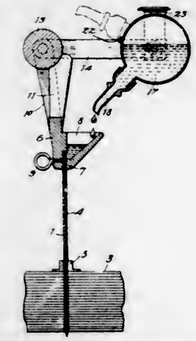
pintle, a pintle adapted to be supported from the vehicle, and a weather strip positioned between the said frame and a stationary part of said vehicle.

1,468,183. GRADUATED PLUG AND SOCKET. J. HOWARD WEATHERLOW and FREDERICK W. SEYMOUR, Flushing, N. Y. Filed Mar. 25, 1921. Serial No. 455,703. 8 Claims. (Cl. 200—119.)



1. The combination with a receptacle, of a plug cooperating therewith, the plug including an externally threaded shoulder member of a graduated thickness serving to limit the extent of movement of the plug into the receptacle, means to lock the shoulder member with its outer end substantially flush with the outer end of the plug, and a cap threaded upon said shoulder member.

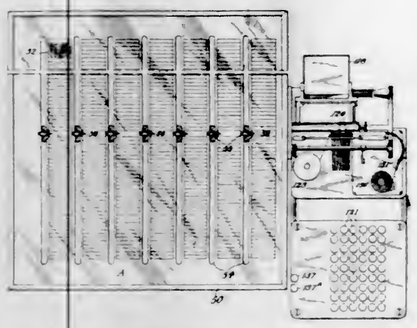
1,468,184. CLOTH-MARKING DEVICE. WILLIAM WEBBER, Brooklyn, N. Y. Filed Feb. 2, 1922. Serial No. 533,717. 2 Claims. (Cl. 164—124.)



1. A cloth marking device which comprises a frame having a liquid-receiving depression, a liquid reservoir

mounted on the frame and tiltable, a nozzle on said reservoir disposed adjacent the depression when the reservoir is tilted, a needle for piercing the cloth connected to the frame, and a passageway extending along the needle through which the marking fluid will flow, the needle so disposed on the frame as to connect the passageway with the depression.

1,468,185. ACCOUNTING MACHINE. JOSEPH V. WECKBAUGH, New York, N. Y. Filed Feb. 14, 1920. Serial No. 358,772. 43 Claims. (Cl. 235—61.)



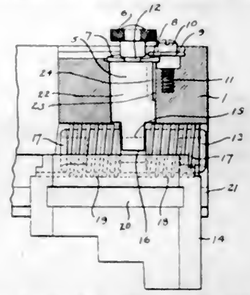
1. In a device of the class described, an accounting section, a computing section, a plurality of printed accounts carried by the accounting section, and means associated with the computing section for replacing said printed accounts with revised printed accounts whereby the current state of each account is available in the accounting section.

10. In a device of the class described, an accounting section, a computing section, a plurality of account carrying members in said accounting section, means for selecting a particular account carrying member and for displacing the same to reading position, means for setting up in the computing section the amount of the account thus displayed, means for printing this amount upon a sales slip, means for printing amounts on said slip corresponding to the written items thereon, means for printing a total of the amount first printed and the item amounts on the sales slip.

34. In a device of the class described having a computing section and comprising in combination with an adding machine, a substantially flat rectilinearly movable sales slip carriage with provision for receiving a rectangular sales slip in substantially flat position therein, means for manually setting the said carriage to receive the first printed impression from the adding machine, means for thereafter automatically advancing the carriage rectilinearly to receive additional impressions upon the sales slip carried thereby, means for printing amounts upon said sales slip and concurrently controlling the rectilinear movement of the slip carriage so that successive printed amounts appear opposite the respective successive written items, and means for printing a total of the itemized amounts and of the accounts carried forward.

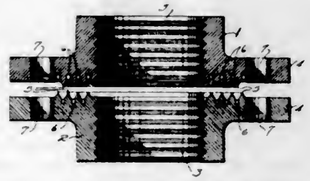
1,468,186. QUICK-CHANGE CHUCK. EARL O. WEISENBERGER, Arcanum, Ohio, assignor to The Quick Change Chuck Mfg. Co., Arcanum, Ohio, a Corporation of Ohio. Filed July 5, 1922. Serial No. 573,009. 3 Claims. (Cl. 279—112.)

1. In a chuck of the class described, a spider, a series of radially disposed worms mounted in said spider, a series of jaws each operable by a respective worm, each of said worms having a reduced portion intermediate its ends, and means to lock said worms against longitudinal movement comprising a fork member straddling the reduced portion of the respective worm, cam means rotatably mounted on said fork member, and an abut-



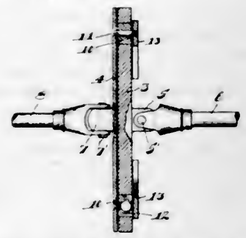
ment against which said cam means bears, said cam means having one portion slotted to pass said abutment when brought into registry therewith.

1,468,187. PIPE UNION. WALTER G. WERBECK, Chicago, Ill.; Carl W. Hagemann administrator of said Walter G. Werbeck, deceased. Filed Jan. 2, 1920. Serial No. 348,916. 1 Claim. (Cl. 285—137.)



In a pipe union, a pair of collars of counterpart formation, said collars being internally threaded and provided with annular flanges, spaced annular ridges having sharply inclined side faces formed in each of said collars, said ridges being spaced by appreciably deep rectangular grooves therebetween and below the inclined portions of the side faces of said ridges, said ridges being disposed in concentric relation with the ridges of one collar adapted to engage between the ridges of the other, and means for securing said flanges together to assemble the union.

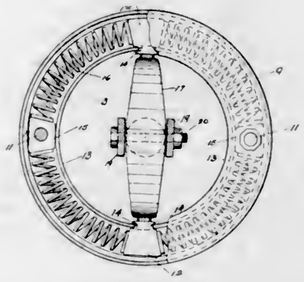
1,468,188. UNIVERSAL JOINT. WALTER R. WOODS, Chicago, Ill., assignor, by mesne assignments, to William Mutschler, trustee, Goshen, Ind. Filed Sept. 12, 1919, Serial No. 323,318. Renewed Feb. 7, 1923. 4 Claims. (Cl. 64—96.)



4. A universal joint for power shafts of power driven vehicles, comprising two disks arranged facing each other, one of said disks being provided with two oppositely arranged segmental slots; stops on the other disk positioned substantially centrally in said slots and arranged to swing circumferentially therein; compression springs positioned in said slots on opposite sides of said

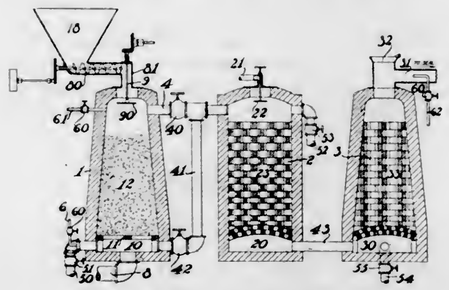
stops; perforated lugs on the outer sides of said disks, the perforations in said lugs being at substantially right angles to each other; and shaft sections pivotally connected with said lugs by means of pins extending through said perforations, substantially as described.

1,468,189. UNIVERSAL JOINT. WALTER R. WOODS, Chicago, Ill., assignor, by mesne assignments, to William Mutschler, trustee, Goshen, Ind. Filed June 11, 1920, Serial No. 388,206. Renewed Feb. 7, 1923. 6 Claims. (Cl. 64—96.)



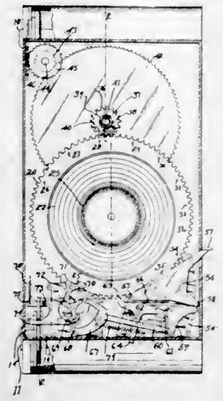
3. A universal joint for power shafts of power driven vehicles comprising a circular casing having provision for attachment to a shaft section; two diametrically positioned supporting blocks mounted in said casing to move freely in either direction along the internal circumference thereof; substantially half circular rings connecting said blocks compelling movement thereof in unison with each other; abutment blocks in said casing positioned diametrically with reference to each other and on a diameter at substantially right angles to that of said supporting blocks; a compression spring positioned between said supporting and abutment blocks; a yoke having trunnions at its ends pivotally mounted in said supporting blocks; a joint member pivoted to said yoke on an axis substantially at right angles to the axis of said trunnions; and means for attaching a shaft section to said joint member, substantially as described.

1,468,190. PROCESS FOR MAKING ILLUMINATING GAS. DANIEL J. YOUNG, Tacoma, Wash., assignor to Young-Whitwell Gas Process Company, Tacoma, Wash., a Corporation of Washington. Filed June 14, 1921. Serial No. 477,365. 8 Claims. (Cl. 48—208.)



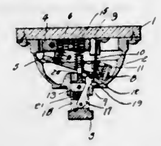
1. The improvement in the process of making carbureted water gas which consists in varying the gas making run by at intervals passing steam in a reverse direction through the entire apparatus and simultaneously adding fuel directly to the generator.

1,468,191. AUTOMATIC FEEDER FOR ROLL-FILM CAMERAS. ITALO ZANOLINI, Berkeley, Calif. Filed Nov. 15, 1921. Serial No. 515,231. 2 Claims. (Cl. 242—71.)



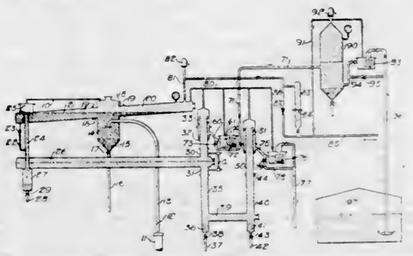
2. A camera of the class described comprising a casing, a pair of film spools therein, a removable back therefor, a spring secured to the back at one end, means connected with said spring to rotate one of the film spools step by step to present a fresh length of film to the exposure position, an escapement to allow a given amount of film to be wound up with each movement, and a lever projecting from the camera to release the escapement to permit the movements to take place as may be desired.

1,468,192. ELECTRIC SWITCH. CLARENCE D. BOTTOMLEY, Charlotte, Mich. Filed July 8, 1921. Serial No. 483,254. 5 Claims. (Cl. 200—74.)



1. An electric circuit closer of the character specified, comprising a relatively fixed contact, a movable member provided with a cooperating contact, a catch, a push button for depressing the movable member, and a movable trip carried by the push button and adapted to engage both the catch to move it laterally and the said movable member to press the same inwardly.

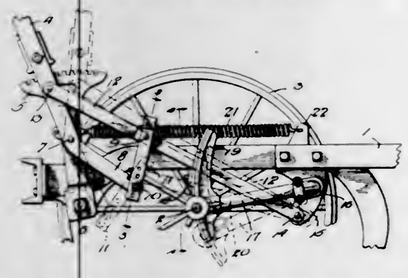
1,468,193. GAS AND WATER SEPARATOR FOR OIL WELLS. LESTER L. CARTER, San Francisco, Calif. Filed Jan. 16, 1922. Serial No. 529,655. 4 Claims. (Cl. 196—26.)



1. In combination; walls forming a gas tight chamber; means for feeding a mixture of oil and water

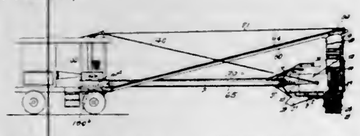
into said chamber; an oil discharge pipe taking oil from said chamber near the top thereof; a water overflow pipe connected at its lower end with the bottom of said gas tight chamber; means closing the top of said water overflow pipe; means for equalizing any gas pressure between the top of said chamber and the space in the top of said pipe; a water discharge pipe taking water from said water overflow pipe at a point slightly below the oil level in said chamber; and means for preventing the escape of gas through said water discharge pipe.

1,468,194. TRACTOR-PLOW ADJUSTMENT LEVER. ERNEST H. CARLSON, Clay Center, Kans. Filed June 12, 1922. Serial No. 567,686. 1 Claim. (Cl. 74—39.)



The combination with a traction plow having a plow beam operating axle, of means for regulating the depth of the plowing elements of the plow in the soil, including a ratchet segment having a standard, a lever having an angularly extending arm on the lower end thereof and pivoted at the angle thus formed to the standard of the ratchet segment, a link having its lower end pivotally connected to the free end of said arm, a fulcrum block in conjunction with an adjusting block, a second link having one end pivotally connected to the upper end of said first named link and cooperating with said fulcrum block, said second link having the opposite end thereof pivotally secured to the axle.

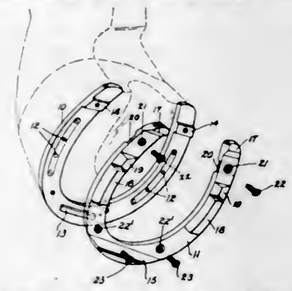
1,468,195. MACHINE FOR CUTTING AND STRIPPING CANE. FRANCISCO SAENZ CURBELO, Cienfuegos, Cuba. Filed Apr. 11, 1919. Serial No. 289,474. 9 Claims. (Cl. 56—17.)



1. A cane cutting machine, comprising a frame, means for adjustably supporting said frame, a cutting mechanism carried by the frame, means for guiding the stalks to be cut to said cutting mechanism, a plurality of rotatably mounted baskets, for receiving the tops cut from said stalks, a hopper, a chute, means for delivering the stalks to said hopper, and means for tilting the baskets to deliver the severed tops from the baskets to said chute.

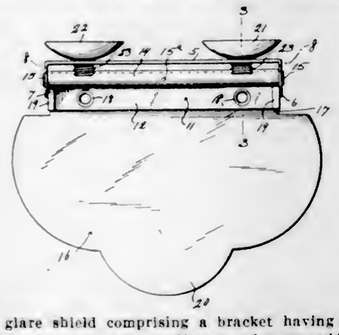
1,468,196. HORSESHOE. JOHN S. CURZON, Storrs, Utah. Filed June 3, 1922. Serial No. 565,720. 1 Claim. (Cl. 168—11.)

A horseshoe including a top section provided with a squared oblong toe calk and flat oblong heel calks, the toe calk extending transversely of the toe portion of the section and the heel calks extending from edge to edge of the portions of the section, a companion bottom shoe section fitting the top section and provided at its lower side with a V-shaped toe calk and with heel calks, the toe portion of the bottom section being formed at its upper side medially of said V-shaped calk with a recess snugly receiving the toe calk of the upper section and the heel portions of the lower section being formed at their upper sides with recesses snugly receiving the



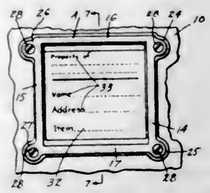
heel calks of the upper section, screws disposed near the ends of said V-shaped calk connecting the toe portions of the sections, and screws extending through the heel portions of the bottom section and threaded into the heel calks of the top section connecting the heel portions of the sections.

1,468,197. AUTOMOBILE GLARE SHIELD. ROSWELL DOWNING, Oklahoma, Okla., assignor to Downey Glare Shield Company, Oklahoma County, Okla. Filed Sept. 6, 1922. Serial No. 586,478. 2 Claims. (Cl. 296—97.)



1. A glare shield comprising a bracket having spaced supportig ears, a shield holding member movably supported by the ears, a shield secured to said member and movable therewith, and vacuum holding cups carried by the bracket remote from the shield holding member, a portion of said cups extending through the bracket and rranged to frictionally engage the shield holding member.

1,468,198. TAG HOLDER. WINSLOW W. DUNN, Jr., St. Paul, Minn. Filed Dec. 23, 1921. Serial No. 524,470. 3 Claims. (Cl. 40—16.)



1. A tag holder including a horizontal upper member adapted to form a water shed, an under surface formed on said horizontal member adapted to extend flush with

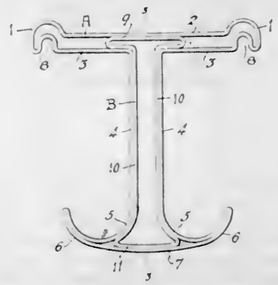
the front opening of said tag holder, side and bottom members connected with said horizontal member and a marginal recess formed on the inner side of said side and bottom members adapted to receive a tag.

1,468,199. DOUBLE-ACTING OIL AND WATER PUMP. NEWTON FELLABAUM, Sperry, Okla. Filed May 29, 1922. Serial No. 564,546. 5 Claims. (Cl. 103—184.)



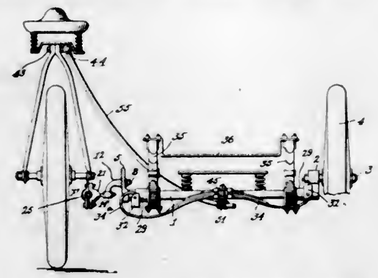
1. A pump structure including upper and lower casing sections, a coupling section connecting said casing sections, working valves in said casing sections, a connecting rod connecting said valves and extending through said coupling section, a stuffing box about said rod positioned in said coupling section, anchoring means normally retaining said stuffing box in said coupling section, and means for moving said anchoring means to an inoperative position and permitting removal of the working valves and connecting rod and stuffing box.

1,468,200. GARMENT HANGER. DAVID GOLDSMITH, Newark, N. J. Filed Nov. 5, 1920. Serial No. 421,834. 1 Claim. (Cl. 211—13.)



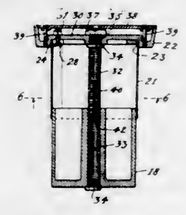
A garment hanger comprising an endless main frame formed of a single piece of wire doubled upon itself to form a body comprising a pair of spaced and parallel portions, said wire at the ends of said body extending outwardly in opposite directions and returning inwardly upon itself to form respectively a supporting head and garment supporting arms, and a second endless wire frame within said main frame and rigidly connected to said head, body and garment receiving arms to reenforce the hanger.

1,468,201. SIDE-CAR CHASSIS. JAMES GOULDING, Richmond, Victoria, Australia. Filed Feb. 18, 1922. Serial No. 537,492. 13 Claims. (Cl. 208—45.)



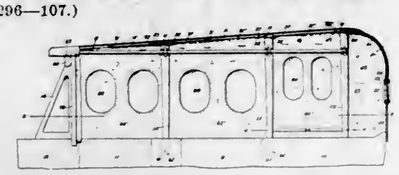
1. In a side car chassis, the combination with a pair of longitudinal chassis members; of a leaf spring extending between and supported by the longitudinal members and a brace connected at one end to the spring and its opposite end arranged for connection to a cycle at the saddle bar cluster.

1,468,202. ADJUSTABLE CORE BOX. ERNEST R. HILDEBRANDT, St. Paul, Minn. Filed Mar. 16, 1921. Serial No. 452,707. 13 Claims. (Cl. 22—13.)



1. A piston molding device comprising a socketed cover member, a sleeve positioned within said socketed member, a head slidably mounted within said sleeve, an operating member for sliding said head passing through said cover member, means attachable upon the end of said operating member for securing the same to said cover member, a flange formed on said cover member, and a plate positioned on said flange for concealing said securing means.

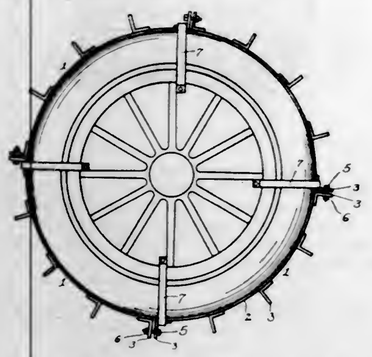
1,468,203. AUTOMOBILE TOP CONSTRUCTION AND CURTAINS THEREFOR. HUGH M. HORNE and THADDEAUS T. DICKENSON, Jacksonville, Fla. Filed Oct. 13, 1921. Serial No. 507,431. 2 Claims. (Cl. 296—107.)



1. A vehicle top as characterized comprising a foldable framing consisting of transversely extending members, sectional brace members interposed between said transverse members and normally spacing the same one from the other, hinges connecting the sections of said brace members together and to said transverse members, a top covering extended over said framing, said brace members having their upper faces disposed in the plane of the upper faces of the said transverse members whereby to maintain and support said covering substantially smooth

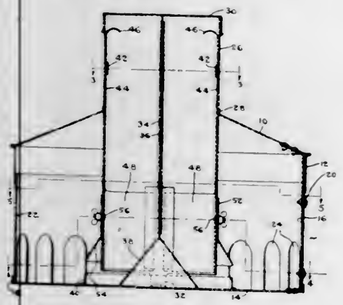
and free from sagging, a back curtain formed by a continuation of the said covering depending from the rear end of said framing, and a metallic member extending outwardly from the rear of said transverse members and supporting said back curtain in position.

1,468,204. GROUSER. JAMES D. HORTON, Oakland, Calif. Filed Apr. 10, 1922. Serial No. 550,982. 4 Claims. (Cl. 152—16.)



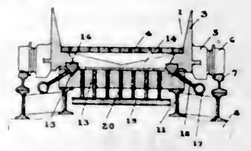
3. A grouser for a motor vehicle wheel and tire comprising a plurality of sections located about the periphery of the tire, a plurality of non-skid plates projecting radially outward from the surface of said sections, each section having a non-skid plate near each of its ends, means passing through the end plates of adjoining sections to secure them together in operative position, and means for securing the grouser in position on the vehicle wheel, said last named means comprising clamping members extending around the tire and in contact therewith, each of said members located so as to have a part in contact with a spoke of the wheel and another part in contact with one of said non-skid plates on the end of one of said sections.

1,468,205. CHICK FEEDER. ISAAC JULIAN, Chatfield, Minn. Filed Mar. 31, 1923. Serial No. 629,050. 5 Claims. (Cl. 119—53.)



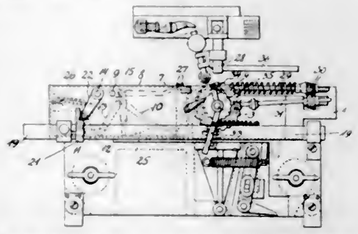
5. A chick feeder comprising a housing containing a multiplicity of chick entrance openings, a roof for said housing, a hopper arranged centrally in said housing and passing through said roof, the lower end of said hopper being spaced from the bottom of said housing, an upstanding flange on said bottom concentric with the lower end of said hopper, a protector extending outwardly around the lower portion of said hopper, and means for adjustably holding said protector so that its lower edge may be placed in contact with the upper edge of said flange or in spaced relation thereto.

1,468,206. SEAL JOINT FOR SINTERING AND GAS-TREATING APPARATUS. BETHUNE G. KLUGH, Anniston, Ala. Filed Nov. 26, 1920. Serial No. 426,587. 8 Claims. (Cl. 26—21.)



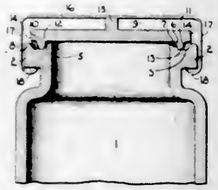
1. In a continuous sintering machine comprising moving pallets and a suction box, co-acting elements on the pallets and suction box adapted to form a close transversely elongated joint, and means to supply liquid along said joint to seal it.

1,468,207. GLUING DEVICE FOR UNITING WARP THREADS. FRANTZ ADOLF MARTENS, Copenhagen, Denmark. Filed Sept. 11, 1922. Serial No. 587,629. 5 Claims. (Cl. 28—47.)



1. In apparatus for gluing together the threads of old and new warps stretched between beams, comprising a glue container having a cover, said cover having a fine opening therein for gluing two threads; a heating body on which the glue-moistened threads are dried; further drying means comprising air spouts; and a catching wheel comprising a worm wheel for conveying the threads from the heating body past the last named drying means.

1,468,208. JAR CLOSURE. WILLIAM MUELLER, Fredericksburg, Tex. Filed Aug. 22, 1921. Serial No. 494,158. 3 Claims. (Cl. 215—30.)



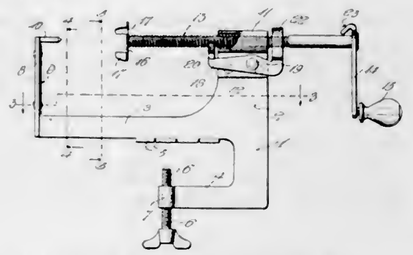
1. The combination with a jar having an annular channel formed in the upper surface of its neck and surrounding the open mouth thereof, said channel having inclined outer and inner walls, and a supplemental annular channel formed above the other channel and between it and the mouth of the jar, of a closure for the jar comprising a solid glass disk having on its under side an annular tapered flange of a depth greater than the combined depth of said channels and of a diameter to seat itself in the first-named channel of the jar, with the inner wall of the flange engaging the inner wall of the first-mentioned channel, and the bottom thereof resting on the bottom of said channel, and with the under surface of the disk spaced from the upper inner edge of the neck whereby moisture from the inside of the jar may pass into and become condensed in the supplemental channel to form a liquid seal.

1,468,209. GRATE BAR. ARTHUR JOSEPH NAQUIN, Alexandria, La. Filed Oct. 18, 1921. Serial No. 508,525. 2 Claims. (Cl. 126—167.)



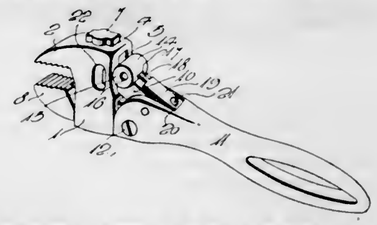
1. A grate bar comprising a body with a plain top surface and having draft perforations arranged in straight rows, the perforations in adjacent rows being relatively staggered, spaced solid reinforcing flanges integral with and depending from the under side of the body and positioned in longitudinal direction of the body between adjacent rows of the perforations, and a transverse reinforcing flange connecting said longitudinally running flanges, all of said flanges being of sinusoidal formation.

1,468,210. VEGETABLE SLICER. MONTRAVILLE E. PLATTS and ALFRED F. NEBHUT, Ilion, N. Y. Filed Nov. 22, 1922. Serial No. 602,616. 3 Claims. (Cl. 146—166.)



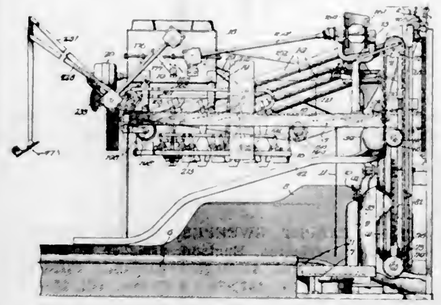
1. A device of the class described comprising a metal stamping having an upright body portion and upper and lower arms extending at right angles therefrom in the same direction, said arms being disposed in vertically spaced parallelism, the free ends of said upper arm having an upstanding post disposed at right angles thereto and the upper end of said post terminating in an integral horizontal prong upon which an object may rotate, a knife carried by and secured flat against said post, means carried by said upper end of said body portion for holding and rotating an object to be sliced and feeding it to said knife, and means carried by said lower arm for clamping said upper arm against a table top or the like.

1,468,211. COMBINED PIPE AND NUT WRENCH. JOHN QUIST, Mystic, Iowa, assignor of one-half to Charles L. Berry, Winterset, Iowa. Filed Oct. 5, 1922. Serial No. 592,567. 2 Claims. (Cl. 81—126.)



1. A wrench comprising a fixed jaw body having a forwardly extending work-engaging jaw at one end and a rearwardly extending lug at its other end, said body having a guide opening from end to end which opens also through the front and rear edges of said body, a movable jaw having a shank slidable in said guide opening and provided with teeth on its rear edge, a handle pivoted at its front end to said rearwardly extending lug, and a dog having its rear end pivoted to said handle at a point spaced laterally from the handle pivot, said dog extending obliquely to the shank and engaging the teeth thereof.

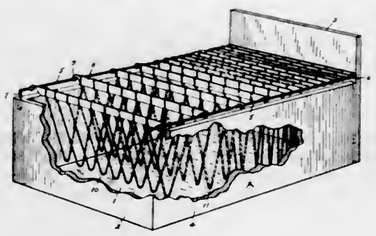
1,468,212. AUTOMATIC PIN-SETTING MACHINE. HOWARD A. REDFIELD, Chicago, Ill., assignor to The Brunswick-Balke-Collender Company, Chicago, Ill., a Corporation of Delaware. Filed Aug. 21, 1918. Serial No. 250,821. 152 Claims. (Cl. 46—54.)



1. In a pin setting machine for bowling alleys the combination of means for setting the pins on an alley bed, means for delivering pins in sets thereto, both said means including intermittently actuated mechanism, a casing, and means comprising a compact assemblage of essentially similar units within said casing for timing said intermittently actuated mechanism.

30. In a pin setter for a bowling alley, a ball elevator comprising a fixed support, and a rotating element cooperating therewith and having a continuous raceway spaced from the support to frictionally engage the ball therebetween, whereby the ball is elevated by rolling along the surfaces of both the support and the raceway.

1,468,213. FILING APPARATUS. LEONARD CLAYTON RIDGE, Toronto, Ontario, Canada. Filed Apr. 19, 1922. Serial No. 555,623. 5 Claims. (Cl. 129—16.)

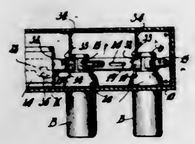


1. In filing apparatus, a drawer having side walls and end walls, trackways supported above said side walls and spaced therefrom, bars arranged transversely of said drawer and having eye ends engaging opposing trackways and a plurality of flexible strips connecting said bars at intervals therealong and forming looped supports between adjacent bars.

1,468,214. ANTITHIEF MILK-BOTTLE HOLDER. JOSEPH RUSSO, Passaic, N. J. Filed Nov. 25, 1922. Serial No. 603,157. 2 Claims. (Cl. 232—41.)

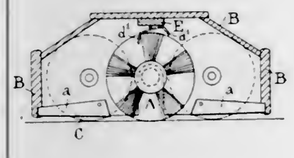
1. A device of the class described comprising a box having an opening therein, a pair of co-operating bottle gripping jaws in registry with said opening, a spring-

pressed bolt on which one of said jaws is mounted, said bolt being adapted for retraction by a key, the said jaws being formed to loosely encircle the neck of the bottle



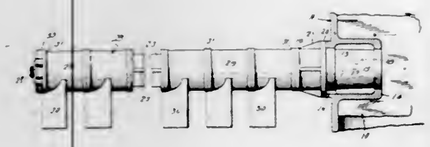
when in operative position, and comprising short semi-cylindrical members having outwardly flared entrance ends and means adapted to yieldingly support the bottle when the bolt is retracted.

1,468,215. CARPET SWEEPER. JAMES LIGHTFOOT SHORROCK, Accrington, England, assignor to Entwisle and Kenyon Limited, Accrington, England. Filed July 27, 1921. Serial No. 487,939. 4 Claims. (Cl. 15—48.)



4. A clearer for the rotary brush of carpet sweepers comprising in its construction a double comb of trough shape with teeth along both edges stamped in a single piece of sheet metal, a stiffening and supporting wire attached thereto, and end brackets in which the comb is pivoted and upon which it is free to permit it to rock from side to side as the brush rotates in one direction or the other to bring first one set of teeth and then the other set of teeth into contact with and between the bristles of the brush substantially as described.

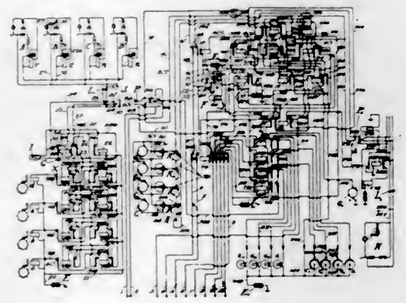
1,468,216. RABBLE APPARATUS FOR FURNACES. LEWIS BAILEY SKINNER, Denver, Colo. Filed May 24, 1920. Serial No. 383,842. 30 Claims. (Cl. 257—119.)



4. In a rabble structure, the combination, with a webbed supporting body, of teeth having hollow hubs assembled end to end on said supporting body and cooperating therewith to form a hollow rabble arm interiorly divided into cooling passages.

1,468,217. MEASURED-SERVICE SYSTEM. FRANK M. SLOUGH, Rochester, N. Y., assignor to Stromberg-Carlson Telephone Manufacturing Company, Rochester, N. Y., a Corporation of New York. Filed June 11, 1917. Serial No. 174,154. 21 Claims. (Cl. 179—9.)

19. In an automatic telephone system, a meter, a circuit therefor, a meter controlling relay, means for operating said meter controlling relay to close one point of said circuit, and auxiliary controlling means for delaying the operation of said meter by holding said circuit open at another point.



1,468,218. BARBED WIRE. ANDREW WILLIAM STOREY, Manchester, England; Emily Gladys Storey administratrix of said Andrew William Storey, deceased. Filed Sept. 22, 1921. Serial No. 502,453. 4 Claims. (Cl 256—2.)



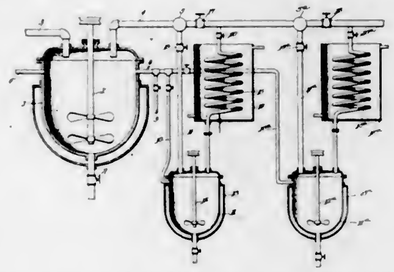
1. A barbed wire for fence construction comprising a plurality of parallel longitudinal straight wires provided with a plurality of short straight pointed barbed wires disposed across at an angle thereto and attached thereto at all points of intersection.

1,468,219. APPARATUS FOR CLEANING WINDOWS AND SIMILAR PURPOSES. OSWOLD HARRY SNAZELLE, JOHN HETHERINGTON, and LOUIS MANTELL MCILDOWIE, London, England. Filed Mar. 8, 1922. Serial No. 542,104. 2 Claims. (Cl. 15—103.)



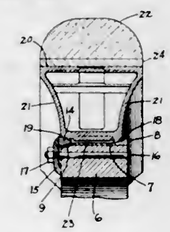
1. A cleaning device comprising in combination a portable motor, a change speed gearing, a driving shaft driven by said motor through said gearing, a casing surrounding said shaft, a plurality of extension casings, a plurality of shaft sections each mounted in bearings within an extension casing, connecting means at the ends of said extension casings and at the end of the casing surrounding the driving shaft, whereby said extension casings may be readily connected end to end and to the casing surrounding the driving shaft, clutch members on the ends of the shaft sections and on the driving shaft adapted to be in operative engagement with each other when the casings are connected together, and a cleaning device adapted to be operatively connected to the outer end of any one of said shaft sections.

1,468,220. PRODUCING ORGANIC CHLORINE SUBSTITUTION PRODUCTS. CLINTON P. TOWNSEND, Washington, D. C., assignor to Hooker Electrochemical Company, New York, N. Y., a Corporation of New York. Filed June 21, 1917. Serial No. 176,237. 11 Claims. (Cl. 260—161.)



1. In a process of producing chlorine substitution products of organic bodies, the step which consists in suspending a reactive metal oxid in an aqueous liquid, and leading into contact therewith a gas-mixture containing a hydrocarbon vapor and a chloridizing agent.

1,468,221. TIRE ADAPTER. CARL H. WILL, Minneapolis, Minn., assignor of one-third to Harry E. Wilcox and one-third to Ralph D. Wilcox, both of Minneapolis, Minn. Filed Dec. 26, 1922. Serial No. 608,952. 2 Claims. (Cl. 152—23.)



1. An adapter for conversion of a pneumatic-tired truck wheel of standard make, having a fixed rim formed to receive a pneumatic tire together with its demountable rim, into a cushion-tired truck wheel, consisting of a member having inner, outer and side walls, said outer wall being provided with a cushion tread, the inner wall being of a diameter to receive the fixed rim of a standard pneumatic-tired truck wheel, the radius of the member and peripheral tread constituting the adapter being substantially the same as the radius of the pneumatic tire and demountable rim it replaces so that the member and its cushion tire may have substantially the same tread circumference as the replaced pneumatic tire and demountable rim, without alteration in the gear ratio of the driving wheels.

1,468,222. PROCESS FOR PRODUCING VULCANITE-LIKE PLASTIC MATERIALS. PAUL BALKE and GUSTAV LEYSIEFFER, Troisdorf, near Cologne, Germany. Filed Dec. 13, 1920. Serial No. 430,578. 4 Claims. (Cl. 106—37.)

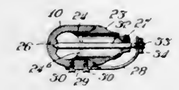
1. The process for producing a vulcanite-like plastic material from cellulose esters, which consists in mixing the water-containing derivatives without the addition of volatile solvents with a much larger quantity of a gelatinizing agent than is required for gelatinizing the cellulose esters under treatment, and with an addition of a preponderance of filling materials and finally heating until the water is evaporated.

1,468,223. TOY. UROSH BALTICH, Gary, Ind. Filed Dec. 27, 1921. Serial No. 525,107. Renewed Mar. 12, 1923. 3 Claims. (Cl. 124—1.)



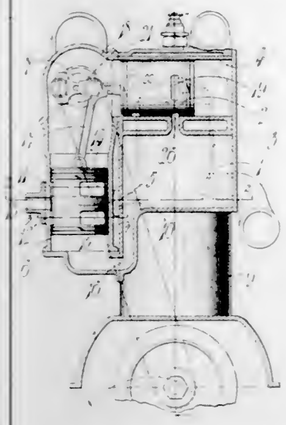
1. A device of the character described comprising a rod having an enlarged handle portion and an enlarged tip portion, said tip portion having an annular groove therein, a cord secured at one end in the groove and said tip, a second cord terminating at one end in a knot, a resilient tension member connected between the free ends of said cords and the opposite ends of said cords, an arrow having a vane, a notched portion intermediate the length of said arrow, said notched portion adapted to receive the knotted end of said cord.

1,468,224. TONE ARM FOR PHONOGRAPHS. BURR B. BLOOD, Chicago, Ill., assignor, by mesne assignments, to Jewel Phonoparts Company, Chicago, Ill., a Corporation of Illinois. Filed Jan. 16, 1919. Serial No. 271,376. 1 Claim. (Cl. 274—23.)



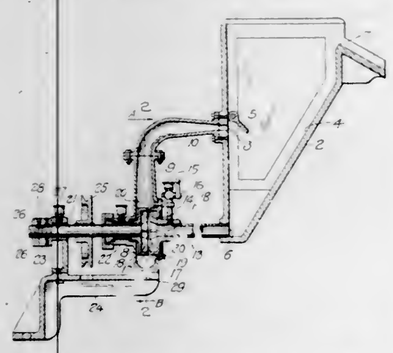
A phonograph tone arm comprising a main section having an outer laterally disposed end, the inner wall of said end, at the axis thereof, being provided with a socketed boss while the lower outer surface is provided with a pair of parallel spaced lugs, a reproducer receiving end or elbow having a reduced portion adapted to extend into the laterally disposed end of the main section, the elbow portion of said end being externally provided with an apertured boss in axial alignment with the socket on the inner wall of the main section, a pivot pin disposed through said aperture in the elbow, with the inner end of the pin tapered and seated in the socket on the inner wall of the main section, means secured to said elbow for holding the pin against longitudinal movement and to induce said pin to rotate with the elbow, a bowed strap secured between said spaced lugs on the lower surface of the main section in adjustable relation with said section so as to permit adjustment lengthwise of the strap, the other end of the strap being bent upwardly across the axis of said pivot pin, and a pivot providing member carried by said strap and engaging with the outer end of said pivot pin.

1,468,225. INTERNAL-COMBUSTION ENGINE. JOHN THOMAS BOOTH, Birmingham, England. Filed Aug. 28, 1922. Serial No. 584,745. 4 Claims. (Cl. 123—71.)



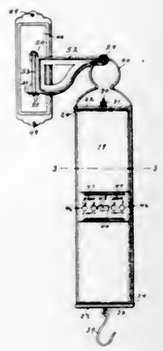
2. In an internal combustion engine the combination of a working cylinder, a working piston in said cylinder, a pump cylinder, a pump piston in said pump cylinder, a receiving chamber for gas delivered from the pump cylinder, an inlet passage for gas leading to the pump cylinder, a passage from the pump cylinder to the receiver, a passage from the receiver to the working cylinder, a reciprocating inlet valve controlling the inlet passage to the pump cylinder, and the passage from the pump cylinder to the receiver, an independent reciprocating transfer valve controlling the passage from the receiver to the working cylinder, means comprising crank and connecting rod for reciprocating said inlet valve and means comprising crank and connecting rod for reciprocating said transfer valve, said inlet valve being fully open when in mid position for the passage of gas to the pump cylinder and said transfer valve having its open position near the ends of its stroke for the passage of gas to the working cylinder.

1,468,226. MIXING APPARATUS. HERBERT C. COLBURN and ERNEST A. COLBURN, Denver, Colo., assignors to The Colburn Flotation & Engineering Company, Denver, Colo., a Corporation. Filed Jan. 3, 1919. Serial No. 269,718. 5 Claims. (Cl. 259—96.)



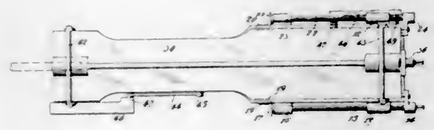
1. A mixing apparatus comprising a chamber and within the same, oppositely spaced stationary and rotary agitating members, each composed of a cylindrical rim and blades extending radially inward from the rim and of substantially the same depth.

1,468,227. PARCEL-POST COMPUTING SCALE. CHARLES H. COLSON, Des Moines, Iowa. Filed Apr. 12, 1920. Serial No. 373,129. 6 Claims. (Cl. 265—38.)



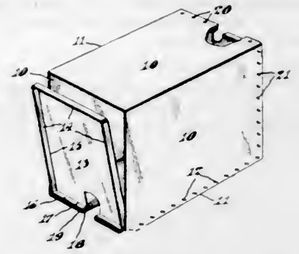
1. A parcel post computing scale, comprising a housing formed with transversely alined openings, a spring suspended within said housing, a suspending member secured to the lower end of said spring and projecting outside of said housing, and a dial plate secured to the lower end of said spring and movable vertically in said housing as said spring expands and contracts, said dial plate being formed with a scale indicating weight and readable through one of said openings and also being formed with tabulations indicating amount of postage and readable through others of said openings, said dial plate also being formed with spacing lugs on its rear face slidably engaging the rear wall of said housing.

1,468,228. METAL-SHEARING DEVICE. BRONISLAW DOBAZENECKI, Roslyn, N. Y. Filed Sept. 25, 1920. Serial No. 412,846. 4 Claims. (Cl. 164—41.)



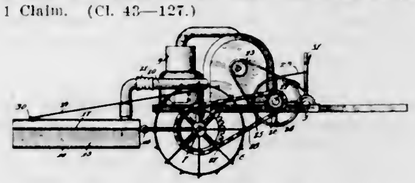
1. In a shearing device, in combination, a base, two parallel spaced knives extending longitudinally on said base and carried thereby, a transverse member slidably mounted on said base between said parallel spaced knives, a knife carried by said transverse member, an upper member pivotally mounted on said base, a box member slidably mounted in one end of said upper member, parallel spaced knives extending downwardly from said box member, a transverse knife associated with said parallel knives and extending downwardly from said box member, said box member and knives carried thereby adapted to cooperate with the knives carried by said base upon bringing said upper member into an operative relation with respect to said base.

1,468,229. BOX. WILLIAM E. ELLIOTT, Lynn, Mass. Filed Apr. 6, 1921. Serial No. 458,985. 9 Claims. (Cl. 229—23.)



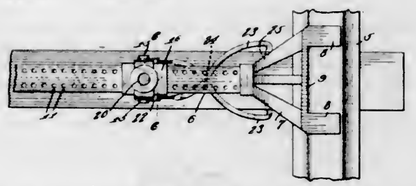
2. A box comprising side walls and a cooperating end wall having at one edge a double flange consisting of inner and outer portions, and means for securing the outer flange-portion only to a side wall.

1,468,230. MACHINE FOR EXTERMINATING INSECTS. ELIGAH H. FIELD and WILLIAM H. HOLMAN, Buford, Ga. Filed Oct. 27, 1922. Serial No. 597,330. 1 Claim. (Cl. 43—127.)



In a machine for exterminating insects, a frame, a rod secured to the frame and extending rearwardly therefrom, the rod being disposed in a horizontal plane, a hood including a pair of brace bars, said brace bars having bearings formed at their ends and positioned over the rod to support the hood, said hood adapted to be adjusted longitudinally of the rod, and means for adjusting the hood in a vertical plane.

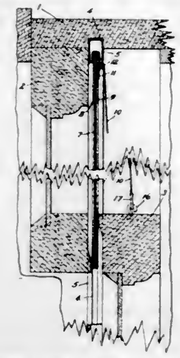
1,468,231. TRACK TOOL. HERMAN L. GOLDBECK, Tyler, Tex. Filed July 6, 1922. Serial No. 573,119. 4 Claims. (Cl. 204—43.)



1. In a tool of the class described, a body portion having pairs of openings formed throughout the length thereof, a carriage positioned on the body portion and having fingers adapted to be positioned within the openings to secure the carriage against movement, a pair of arms pivotally supported on the carriage, and pivoted tie engaging arms having connection with the pair of arms, whereby the pivoted tie engaging arms may be operated.

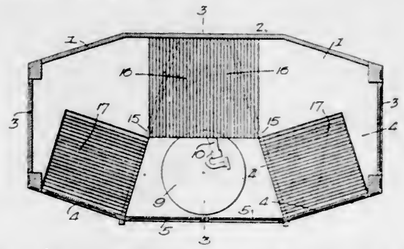
1,468,232. WINDOW SCREEN. JAMES H. GRAYSON, Kansas City, Mo. Filed Nov. 11, 1920. Serial No. 423,280½. 4 Claims. (Cl. 156—14.)

4. A window screen comprising an inverted U-shaped rigid frame adapted to be positioned in a window frame between the sashes therein, a screen carrying frame arranged for sliding movement in the first frame, and flexible connecting means slidingly associated with the first frame and connected to the second frame, said flexible



means being adapted for connection with the lower sash of a window whereby the screen carrying frame will be lowered or elevated according as the sash is raised or lowered.

1,468,233. TALKING-MACHINE CABINET. ALFRED H. HAAG, Baltimore, Md. Filed Feb. 19, 1921. Serial No. 446,354. 4 Claims. (Cl. 211—16.)



1. A cabinet for talking machines comprising a centrally located platform for supporting said talking machine and a plurality of record storing compartments arranged radially about the space occupied by said talking machine.

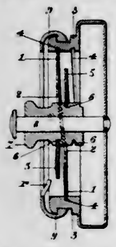
1,468,234. DEPOLARIZER AND PROCESS OF PREPARING THE SAME. GEORGE W. HEISE, Elmhurst, N. Y., assignor to Union Carbide & Carbon Research Laboratories, Inc., a Corporation of New York. Filed Dec. 14, 1921. Serial No. 522,423. 15 Claims. (Cl. 204—38.)

8. A process of preparing a depolarizing electrode having improved service characteristics, comprising forming a layer of ammonia-containing high voltage oxid upon the interior surface of a perforated container, and filling the residual space in said container with depolarizing material containing copper oxid.

1,468,235. APPARATUS FOR INDICATING QUANTITIES, NUMBERS, AND THE LIKE. ALBERT PAUL JAPY, Berne, near Seloncourt, France. Filed Sept. 1, 1921. Serial No. 497,774. 1 Claim. (Cl. 116—133.) (Granted under the provisions of the act of Mar. 3, 1921, 41 Stat. L., 1313.)

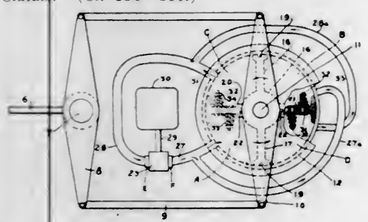
Apparatus for the purposes described comprising a casing, a fixed disc, a movable disc of less diameter than said fixed disc, and a pointer adapted to be set to any particular point on the circumference of the fixed disc, the two discs each having a radial slit and a circular cen-

tral opening, the arrangement being such that the movable disc can be moved in front of the fixed disc, the slit on the fixed disc forming an origin, the space between said origin and the slit in the movable disc representing the value of the number, the comparative value thereof being given by the space between the slit on the



movable disc and the pointer set to a particular point on the fixed disc, and an operating button for the movable disc, supported by the central opening of the fixed disc, the fixed disc being in turn supported by its outer edge by the casing, the movable disc being mounted on said button by the edge of its central opening in any suitable manner.

1,468,236. STEERING GEAR. ALEXANDER - TAYLOR KASLEY, Lester, Pa., assignor to Westinghouse Electric & Manufacturing Company, a Corporation of Pennsylvania. Filed Apr. 16, 1920. Serial No. 374,402. 3 Claims. (Cl. 114—150.)



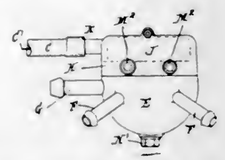
1. The combination with an oscillatory rudder, of a cylindrical casing, partition members for dividing the casing into semi-cylindrical portions, an oscillatory vane in each semi-cylindrical portion operatively connected to the rudder, means for supplying fluid pressure to one side of each vane for moving the latter to actuate the rudder, and pressure relief means carried by the partition members, whereby the fluid pressure is relieved upon the reaction of the rudder exceeding a predetermined amount.

1,468,237. BOX. JOHN J. KEHN, Toledo, Ohio. Filed Nov. 15, 1919. Serial No. 338,147. 3 Claims. (Cl. 229—16.)



1. A box closure wider than the box sides and provided with an extension, said box having a front slitted from said sides adjacent the box opening, said slitted front being a normal extension of the box side to said opening, which opening has the adjoining box sides terminate at such opening to be abutted by the closure wider portion, with the closure extension therebeyond insertable back of said slitted front.

1,468,238. VACUUM PULSATOR-ACTUATED MECHANISM. JAMES KING, Auckland, New Zealand. Filed May 9, 1922. Serial No. 559,641. 2 Claims. (Cl. 31—99.)



1. A vacuum pulsator actuated device formed by a cylinder at one end connected to such pulsator and at the other end open to atmosphere, a piston mounted to reciprocate within such cylinder, a spring acting on such piston to force it to the open end of the cylinder and means for connecting the piston with the appliance to be operated and a milking machine teat cup claw having a slide valve form of pulsator mounted therein and connected to the piston of the aforesaid device so as to be operated by its reciprocations.

1,468,239. ANCHORING CLIP FOR ROOFING SHINGLES AND THE LIKE. BERNIE C. KRIDLER, Flint, Mich., assignor, by direct and mesne assignments, to The Shingle Lock Company, Flint, Mich., a Corporation of Michigan. Filed Mar. 22, 1922. Serial No. 545,834. 12 Claims. (Cl. 108—33.)



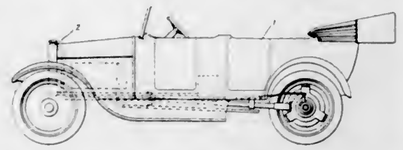
1. The combination with a shingle, of a service clip connected to the shingle and extending beneath the same and having a portion thereof adapted for snug engagement between adjacent spaced sheathing boards of a roof whereby to firmly anchor the shingle in place.

1,468,240. SUCTION BOX FOR THE MANUFACTURE OF PAPER AND SIMILAR PRODUCTS. ERNEST LAMORT and MARCEL LAMORT, Vitry-le-Francois, France. Filed Mar. 15, 1921. Serial No. 452,530. 4 Claims. (Cl. 92—51.) (Granted under the provisions of the act of Mar. 3, 1921, 41 Stat. L., 1313.)



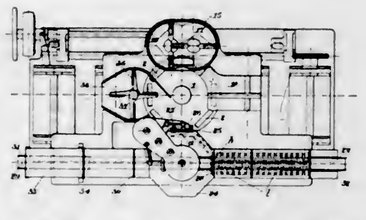
1. A suction-box for paper-making machines, comprising fixed end supports, a pair of upper rollers journalled in said end supports and each tangent at its upper surface with the metallic cloth of the machine, a third roller journalled in said end supports and arranged beneath and in contact with said upper rollers so as to provide a suction space between said rollers, said end supports and the metallic cloth, the lower roller having its surface covered with rubber and adapted to drive the upper rollers at a peripheral speed equal to the linear speed of the metallic cloth, and a hydraulic joint between each end of each roller and its end support.

1,468,241. COMBINED TORQUE ROD AND MUFFLER. ARNOLD LARSEN, Indianapolis, Ind. Original application filed Oct. 13, 1920, Serial No. 416,761. Divided and this application filed June 15, 1921. Serial No. 477,665. 4 Claims. (Cl. 180—85.)



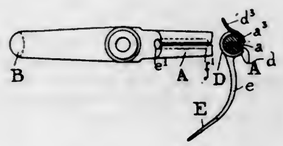
1. In a combined torque rod and muffler for motor propelled vehicles, a motor mounted on a part of said vehicle and having an exhaust, a hollow pipe connected at one end to said motor and at its opposite end to parts of the vehicle at a point removed from the motor, said pipe forming an exhaust member for the motor and a torque rod between the part of the vehicle to which the motor is secured and the parts of the vehicle to which the pipe is connected.

1,468,242. APPARATUS FOR COMPRESSING SUGAR OR THE LIKE. ALFRED LETORT and LOUIS CHAMBON, Paris, France. Filed Sept. 13, 1921. Serial No. 500,372. 5 Claims. (Cl. 25—70.)



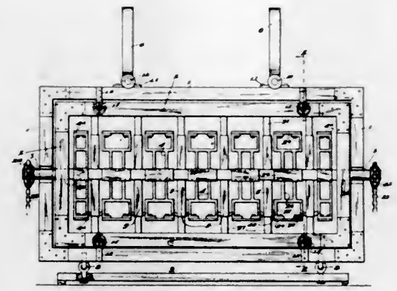
5. A machine for pressing sugar manufactured in mass, comprising an intermittently rotatable table, a plurality of molds spaced 90° from one another on the table, in combination with filling means for supplying sugar to the molds, pressing means for forming lumps of regulable dimension, evacuating means for placing finished lumps upon a conveyor, and cleaning means for the pressing means, the above four said means operating simultaneously, the cleaning means comprising rubber tipped arms for passing over the surfaces of the pressing means, the arms being adjustably mounted.

1,468,243. FLIER OF TEXTILE MACHINES. EMILE MALLALIEU, Rossal Beach, England. Filed Dec. 31, 1921. Serial No. 526,328. 2 Claims. (Cl. 118—57.)



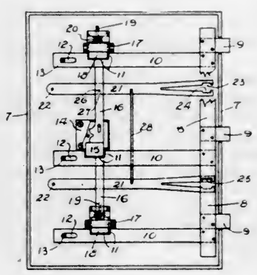
1. A flier for textile preparing machines forged with two solid legs and comprising, when finished, a solid leg, a second solid leg with a longitudinal slit machined therein throughout its length to receive the rove and a presser stamped from sheet metal of concave shape and so disposed thereon as to cover and close the slit when in operation.

1,468,244. COTTON CHOPPER. WILLIAM T. MARABLE, El Centro, Calif. Filed Oct. 28, 1920. Serial No. 420,247. 5 Claims. (Cl. 97—40.)



1. A cotton chopper comprising a frame, a plurality of transversely spaced rotatable chopping members carried by said frame, the endmost members being of less width than the intermediate members, and means for actuating all of the members.

1,468,245. LOCK OF SAFES AND STRONG ROOMS. LOUIS LESLIE MCDERMOTT, Cremorne, near Sydney, New South Wales, Australia. Filed Oct. 22, 1920. Serial No. 418,741. 1 Claim. (Cl. 109—3.)

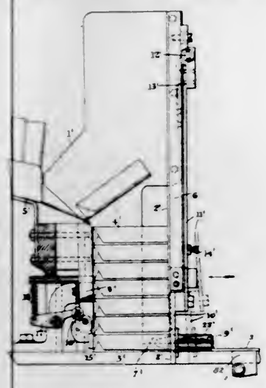


In a lock for safes and the like, the combination of a bolt provided with an extension arranged to be disconnected therefrom, a bolt bar having a block, a freely pivoted locking bar provided with opposed recesses in its free end, one of the said recesses being arranged to engage said block of the bolt bar, and on reversal of the safe to drop by gravity until the block is engaged by the opposite recess, said locking bar and said extension having means connecting them together.

1,468,246. MACHINE FOR WRAPPING AND PACKING SMALL ARTICLES SUCH AS CIGARETTES. WALTER EVERETT MOLINS, London, England. Filed June 13, 1921. Serial No. 477,202. 5 Claims. (Cl. 93—4.)

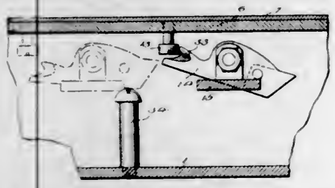
1. In a machine for packing cigarettes or other articles and in combination a conveyor for moving the articles to be packed, a magazine adapted to receive a series of superposed packets with their open mouths ar-

ranged towards the articles moved by the conveyor, and an oscillating mouthpiece which receives the articles to



be packed, operated by the movement of said articles to insert same in the lowermost packet in the magazine automatically.

1,468,247. DISPLAY TABLE. WILLIAM PATTEN, New York, N. Y. Filed Oct. 17, 1922. Serial No. 595,161. 5 Claims. (Cl. 211—20.)



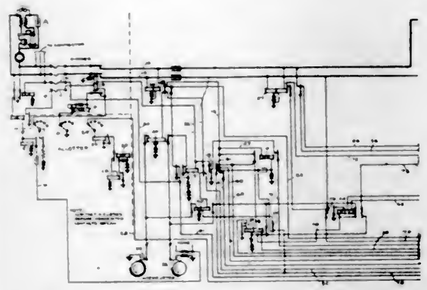
4. In a display device a casing, a rotatable table mounted on said casing, a continually rotating actuator member, means carried by the table to be engaged by the actuator member and cause the rotation of the table, and means mounted on the casing in the path of movement of the actuator member to engage with said member and release it from the means on the table whereby the rotation of the table is arrested, both the means carried by the table and the means mounted on the casing being adjustable, whereby the periods of motion and rest of the table can be varied.

1,468,248. FOUNTAIN BRUSH. JACOB HENRY POSTEL, San Mateo, Calif. Filed July 8, 1922. Serial No. 573,526. 1 Claim. (Cl. 15—128.)



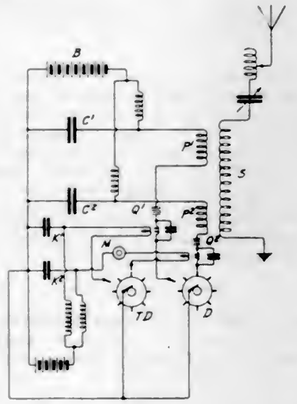
In a brush of the class described a shell-like casing having a water supply chamber mounted thereon with registering apertures between them, a brush head mounted in said casing, a fastener mounted on said chamber and composed of heavy wire U-shaped in form with the free ends of the legs thereof engaged with the opposed faces of said chamber, said legs being provided intermediate their ends with laterally extending depending loops, and a bail shaped hook carried by said loops and adapted to engage the brush head, and means cooperating with said hook to hold the head in the casing.

1,468,249. AUTOMATIC TELEPHONE SYSTEM. WINFRED T. POWELL, Rochester, N. Y., assignor to The Stromberg-Carlson Telephone Manufacturing Company, Rochester, N. Y., a Corporation of New York. Filed Oct. 25, 1919. Serial No. 333,236. 17 Claims. (Cl. 179—18.)



1. In a telephone system, an incoming line, a plurality of outgoing lines, an automatic switch for interconnecting said incoming line with any of said outgoing lines, and a progressively movable registering switch individual to said automatic switch and operated directively from a distant point to cause said automatic switch to take a desired setting other than that indicated by said means.

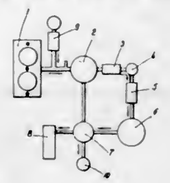
1,468,250. TRANSMITTER FOR WIRELESS TELEPHONY. SOREN OLUF EMIL THERKELSEN TROST, London, England, assignor to Radio Corporation of America, a Corporation of Delaware. Filed June 21, 1921. Serial No. 479,273. 6 Claims. (Cl. 250—6.) (Granted under the provisions of the act of Mar. 3, 1921, 41 Stat. L., 1313.)



1. In a transmitter for high frequency signals, the combination of means for producing two or more sets of oscillations which normally neutralize each other and means adapted to vary the relative phase of the oscillations for the production of signals.

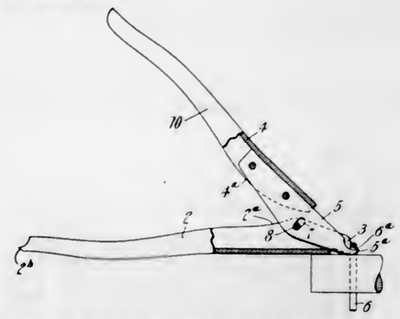
1,468,251. PROCESS FOR OBTAINING VITAMINES. LEVON ARAKEL AGOPIAN, Paris, France. Filed Aug. 29, 1921. Serial No. 496,611. 2 Claims. (Cl. 167—7.)

2. The process of obtaining vitamines, substantially chemically pure, comprising first, the obtaining mechanically of the juices of fresh vegetables or yeast, immediately thereafter precipitating said juices by a reagent containing neutral salts of heavy metals next freeing the products of this treatment from the metals introduced and finally extracting said products by repeated



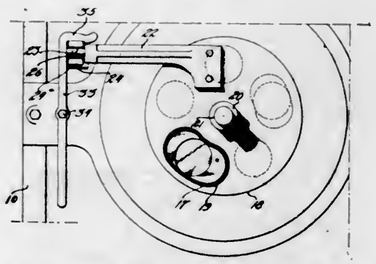
washing with suitable solvents at a suitable temperature, all of said operations being carried out in the absence of oxygen.

1,468,252. PLIERS. CARL O. ANDERSON, Brooklyn, N. Y. Filed June 13, 1922. Serial No. 567,918. 5 Claims. (Cl. 29—86.2.)



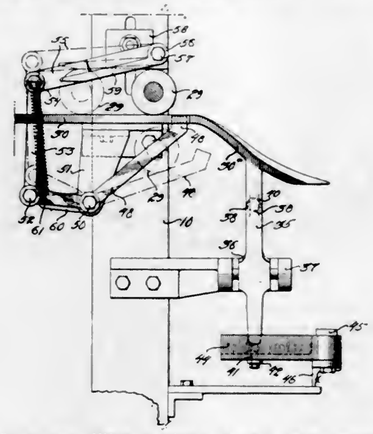
1. A tool of the character described including in combination an upper arm and a lower arm, each of said arms having work engaging means, said arms being connected by means of a pivot pin carried by one of said arms and a transverse slot in the other arm through which said pin passes, a downwardly facing cam on said upper arm and an upwardly facing track on said lower arm for engagement by said cam, the upper end of said slot at one time engaging said pin as a fulcrum and at another time said fulcrum lying between said cam and track.

1,468,253. CAN-FILLING MACHINE. CHARLES H. AYARS, Salem, N. J., assignor to Ayars Machine Company, Salem, N. J. Filed Apr. 1, 1922. Serial No. 548,563. 6 Claims. (Cl. 226—72.)



1. In a can filling machine, the combination of a driving member; a hopper; a rotatable plate carrying the hopper; connections between the driving member and the rotatable plate adapted to impart oscillatory motion to the plate, and means for engaging or disengaging said mechanism, substantially as described.

1,468,254. CAN-FILLING MACHINE. CHARLES H. AYARS, Salem, N. J., assignor to Ayars Machine Company, Salem, N. J. Filed May 6, 1922. Serial No. 558,868. 5 Claims. (Cl. 226—97.)



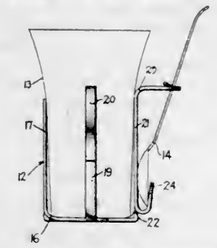
1. In a can filling machine, a cam track having a stationary and a movable section normally held out of alignment with the stationary section; a lever arm adapted to be engaged by a can as it reaches its filling position; connections between the lever arm and the movable section of the cam track whereby movement of the can swings the movable section into alignment with the stationary section and a yieldingly mounted latch adapted to engage with the movable section when it reaches its aligned position and hold it in alignment.

1,468,255. BAR PIN. ACHILL BIPPART, South Orange, N. J. Filed Nov. 4, 1922. Serial No. 599,144. 2 Claims. (Cl. 24—161.)



1. A bar-pin having a body-plate, flanges upon the edges of the rear side forming a recess between the flanges, an integral seat upon the rear side of the pin disposed transversely between the ends of the body, and a pin-tongue supported close to the recess between the flanges, and operated to grip the dress fabric close to such recess and thus draw the pin close to the surface of the fabric.

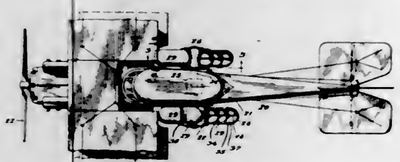
1,468,256. DRINKING-GLASS HOLDER. MABEL BLACKMAN, LILLIAN K. HOSIER, and ESTELLE BREUER MCKEE, New York, N. Y.; said Blackman assignor to said Hosier and said McKee. Filed Sept. 30, 1921. Serial No. 504,520. 3 Claims. (Cl. 65—61.)



1. A cup holder comprising a supporting member, an upstanding arm carried at one side of said supporting member, a laterally offset hook formed at the upper end of

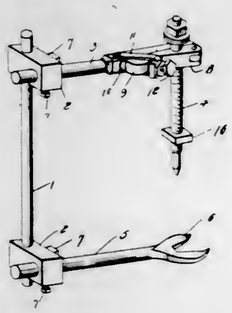
said arm and adapted to engage the handle portion of a spoon, and a bracket formed at the lower end of said arm for receiving the bowl portion of the spoon, the portion of the spoon extending between said hook and said bracket being adapted for use as a handle for the holder.

1,468,257. FLYING MACHINE. CHARLES F. BUSH, Philadelphia, Pa. Filed Oct. 25, 1921. Serial No. 510,326. 11 Claims. (Cl. 244—16.)



1. Apparatus for use on a flying machine, including rotatable blades having passages through which air is forced due to the rotation of the blades; and means for pocketing the air in said passages during the travel of the blades through a part of their path of movement; substantially as described.

1,468,258. VALVE LIFTER. WILLIAM C. CADDIN, Donalsonville, Ga. Filed Nov. 26, 1921. Serial No. 517,871. 4 Claims. (Cl. 29—86.3.)



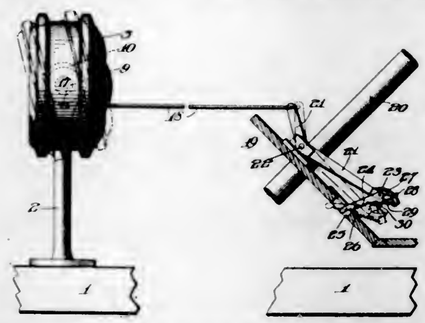
1. In a valve lifter, an arm, a member pivoted at one end to the arm, a yoke pivoted at one end to said arm, a screw at the opposite end of the yoke adapted to engage the free end of said pivoted member to hold it in close contact with said arm, there being a threaded opening formed partly in the arm and partly in the pivoted member, and a lifting screw mounted in said threaded opening.

1,468,259. STORAGE-BATTERY PRACTICE. CAMPBELL C. CARPENTER, Niagara Falls, N. Y., assignor to U. S. Light & Heat Corporation, Niagara Falls, N. Y., a Corporation of New York. Filed Sept. 8, 1917. Serial No. 190,320. 8 Claims. (Cl. 204—29.)

1. The method of operating storage batteries which consists in bringing a battery approximately to a state of full charge, washing the electrolyte from said battery and tightly sealing said battery to prevent the access of air thereto.

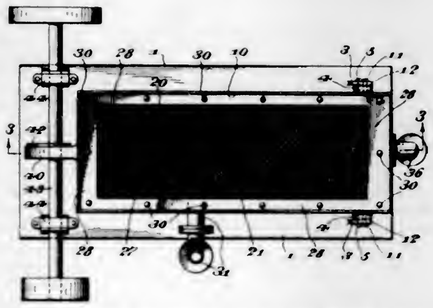
1,468,260. TILTING HEADLIGHT DEVICE FOR AUTOMOBILES AND OTHER VEHICLES. PAUL R. COLLIER, Philadelphia, Pa. Filed Mar. 28, 1922. Serial No. 547,516. 4 Claims. (Cl. 240—61.)

1. In a tilting headlight device, a pair of headlights, a pair of standards, a transverse tube common to said standards, bearings in said standards, a shaft passing through said tube and bearings and connected to said



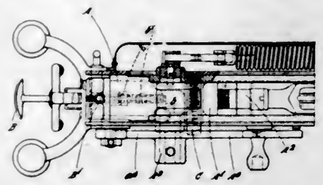
headlights, means for rotating said shaft and headlights to tilt the latter, and torsional devices for restoring said headlight and shaft to normal position.

1,468,261. RIDDLE. GRELLET N. COLLINS, Narberth, Pa. Filed Feb. 23, 1923. Serial No. 620,564. 6 Claims. (Cl. 83—36.)



1. In a riddle, the combination of a box having a screen therein and a discharge outlet above said screen, means for supplying material to be screened to the said box underneath the said screen so that such material is caused to flow upwardly through the said screen against the force of gravity, means for pivotally and swingingly supporting one end of said box, and means for supporting the opposite end of said box, which means is adapted to effect simultaneous vertical and longitudinal movements of portions of said box.

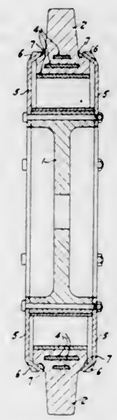
1,468,262. AUTOMATIC GUN. ARTHUR TREVOR DAWSON, GEORGE THOMAS BUCKHAM, and CARL ALFRED LARSSON, Westminster, London, England, assignors to Vickers Limited, London, England. Filed May 21, 1923. Serial No. 640,568. 5 Claims. (Cl. 89—3.)



1. In an automatic gun of the barrel recoiling type, the combination with the operating crank, of a part moving therewith and a stop-piece carried by the non-recoiling

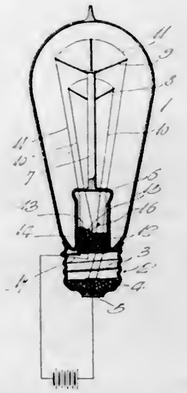
mechanism casing of the gun serving as a fulcrum for the said part so that when the crank handle is being operated by hand the said part will come against the stop-piece and the continued operation of the crank handle will then effect the retraction of the barrel.

1,468,263. WHEEL. CHARLES WILLIAM FULTON, Bishopbriggs, near Glasgow, Scotland. Filed Jan. 3, 1922. Serial No. 526,739. 4 Claims. (Cl. 152—8.)



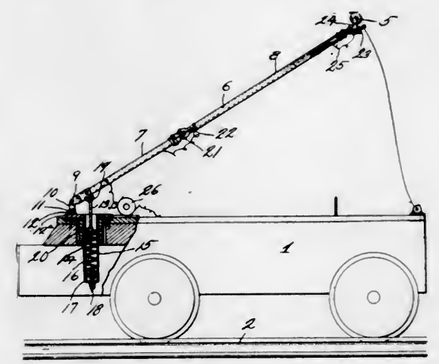
1. A wheel consisting of a central portion comprising a rigid body member and flanges carried by and extending radially beyond said body member; and a floating elastic rubber tire member disposed between said flanges and provided with embedded steel rings of varying widths, said tire member being separated radially from said rigid body member, said flanges having corrugated peripheral portions, inturned towards each other, to engage said tire member to hold it in driving engagement with said rigid body member.

1,468,264. INCANDESCENT LAMP. DANIEL GORDON, New York, N. Y. Filed Oct. 23, 1919. Serial No. 332,595. 1 Claim. (Cl. 176—27.)



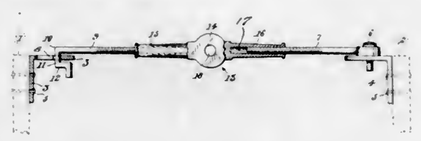
In an incandescent lamp, a bulb having a pocket extending inwardly from its butt end and having its inner end closed, an insulating block in said pocket, a shell plug having the butt end portion of the bulb fitting therein, an insulating block carried by said plug, a terminal contact carried by the plug block, a normally closed switch carried by the bulb block in the pocket, a filament wire leading from the terminal contact through the pocket and bulb and connected with the shell plug and having the switch included in its circuit, an electromagnet carried by the bulb block adjacent the switch, and a second filament wire leading from the terminal contact and connected with the shell plug and having the electromagnet in its circuit and energizing the electromagnet to open the switch.

1,468,265. TROLLEY POLE. GROVER B. HAMRIC, Widen, W. Va. Filed Feb. 7, 1923. Serial No. 617,660. 1 Claim. (Cl. 191—64.)



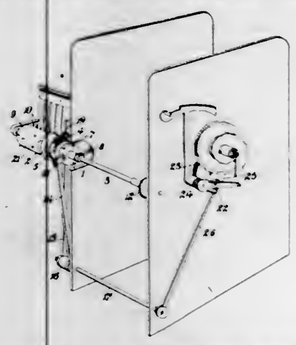
The combination with a trolley pole, of a mounting for the lower end of said trolley pole, said mounting comprising a vertically disposed link, the upper end of said link being pivotally connected to the lower end of the trolley pole, the lower end of said link being pivotally connected to a support, said suport comprising a rotatable cylinder disposed beneath the trolley pole, a piston vertically movable in the cylinder, a connecting rod pivoted to the piston and to the pole, a coiled spring disposed within the cylinder and normally forcing the piston upwardly and adjusting means whereby the tension of the coiled spring may be varied.

1,468,266. COAL-CAR SUPPORT. WOJCIECH G. JAMROG, Saginaw, Mich. Filed Oct. 5, 1922. Serial No. 592,640. 1 Claim. (Cl. 105—355.)



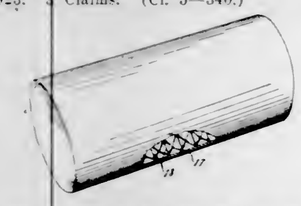
In a support for coal cars, a pair of angular brackets carried by the inner walls of the coal car and positioned diametrically opposite each other, a rod member carried by each of the brackets, one of said rod members being pivotally mounted upon its adjacent bracket and the other rod member being positioned upon its adjacent bracket as to be detachable therefrom, and means for detachably connecting the opposite free ends of the said rod members, said rod members being screw threaded and adapted to receive a turn buckle connection at their ends, the said detachable rod member being so formed at one of its ends as to prevent disengagement from its adjacent bracket when the two rods are interconnected.

1,468,267. STRIKING AND CHIMING CLOCK. CYRIL FREDERICK JOHNSTON and HARRY NORMAN WALFORD, Croydon and Lewisham, London, England. Filed July 2, 1921. Serial No. 482,021. 2 Claims. (Cl. 58—13.)



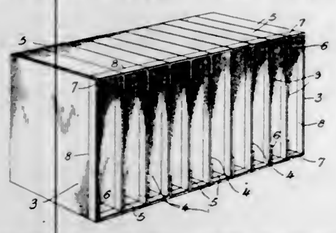
1. The combination in a clock striking mechanism with a pair of trains each including a driven gear, of a differential pinion and its driving spindle for operating said trains, a periodically movable rock shaft and lock arms thereon for selectively engaging said trains whereby one train is held while the other train is actuated.

1,468,268. CUSHION. FRANCIS KARR, Holland, Mich. Filed Sept. 16, 1919, Serial No. 324,151. Renewed Feb. 17, 1923. 3 Claims. (Cl. 5—340.)



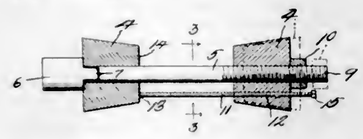
3. A cushion comprising a hollow cylindrical element the walls of which comprise a fabric of spirally arranged helical coils extending in a plurality of directions, a plurality of the turns of each helical passing through turns of the other helical at intersections of helicals.

1,468,269. SHELF, DRAWER, AND BOX DIVIDING DEVICE. WINFIELD S. KELLY, Oroville, Calif. Filed Aug. 28, 1922. Serial No. 584,929. 1 Claim. (Cl. 217—7.)



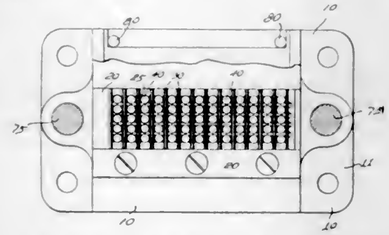
In combination with a shelf, drawer or box forming a rectangular receptacle, a detachable and adjustable device comprising a series of elongated vertical compartments having open ends and adapted to fit said shelf, drawer, or box, and adjustable to various widths to provide a book case or a combined book case and file for papers, and to cooperate with the bottom of the receptacle to form the complete containing spaces for the books or papers.

1,468,270. MANDREL. ORION EUGENE KENT, Grand Rapids, Mich. Filed Feb. 28, 1922. Serial No. 540,068. 1 Claim. (Cl. 82—44.)



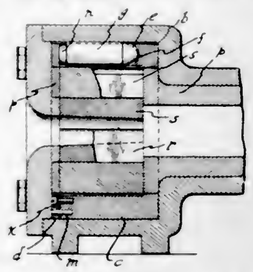
A mandrel comprising a threaded shaft, a head carried by one end of said shaft, lugs carried by the head and overlying the adjacent end of the threaded shaft, a frusto-conically shaped member disposed on the shaft and having recesses for the reception of the lugs, a second frusto conically shoped member disposed on the threaded shaft, a nut threaded on the shaft and adapted to force said last named frusto conically shaped member inwardly, and a screw threaded through one of the conically shaped members and having its end in abutting engagement with the first mentioned conically shaped member.

1,468,271. MECHANISM FOR MAKING PRINTING-STRIP HOLDERS. ALBERT J. BECHTEL, Shaker Heights, Ohio, assignor to The American Multigraph Company, Cleveland, Ohio, a Corporation of Ohio. Filed Apr. 18, 1921. Serial No. 462,467. 11 Claims. (Cl. 113—1.)



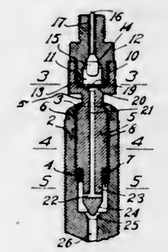
1. A die block having a plurality of apertures arranged in longitudinal and transverse rows, said block being slotted transversely and longitudinally, the transverse slots being disposed intermediate the apertures and the longitudinal slots intersecting the apertures.

1,468,272. MACHINE FOR SIZING TUBING. SIMON BERG, Detroit, Mich., assignor to Michigan Steel Tube Products Company, Detroit, Mich, a Corporation of Michigan. Filed July 28, 1922. Serial No. 578,059. 3 Claims. (Cl. 78—21.)



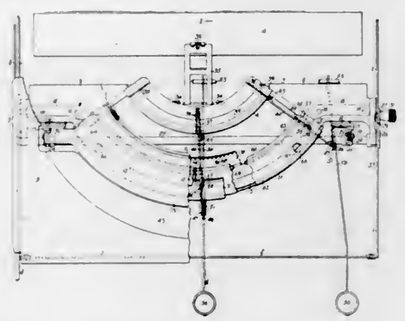
1. In a machine for the purpose specified, the combination of a cage in the form of a ring casting solid at one end and provided with a plurality of open-ended, open-sided roll sockets, rolls contained in said sockets and a plate provided with inwardly projecting bosses for fitting into the ends of the roll sockets and removably secured to the open end of the ring casting.

1,468,273. VALVE. CHARLES R. C. BORDEN, Brookline, Mass. Filed July 17, 1916, Serial No. 109,777. Renewed Aug. 12, 1919. Serial No. 317,064. 4 Claims. (Cl. 152—12.)



4. A valve comprising a hollow stem member, a spindle adjustably mounted therein, and having a longitudinal passage for the vent pressure, a valve on said spindle controlling the passage of pressure through the stem, said spindle having a reduced portion of a length sufficient to permit the opening and closing of said valve and itself constituting a valve for said vent passage, and said stem having a portion turned into said reduced portion.

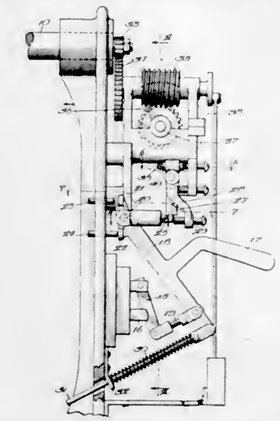
1,468,274. TYPEWRITING MACHINE. HERBERT E. BRIDGWATER, Syracuse, N. Y., assignor to Remington Typewriter Company, Ilion, N. Y., a Corporation of New York. Filed Mar. 16, 1922. Serial No. 544,161. 10 Claims. (Cl. 197—186.)



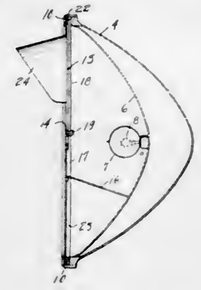
1. In a collapsible typewriting machine, the combination of a set of type bars, means for actuating the type bars comprising a set of sub-levers, and means for expanding the machine for use by simultaneously swinging the type bars on their pivots to a new position and at the same time bodily shifting said sub-levers, said expanding means comprsing a type bar rest settable in a plurality of positions.

1,468,275. DISPENSING APPARATUS. HARRY E. BRIGGS, Anderson, Ind. Filed Oct. 21, 1921. Serial No. 509,401. 5 Claims. (Cl. 192—142.)

2. The combination of a manually operable switch; a spring pressed plunger connected with the switch; a stop with and beneath which said plunger is engageable to hold the switch in a closed position; a spring for exerting opening movement upon the switch and against the force of which the switch is manually closed; a lever for depressing the aforesaid plunger out of engagement with said stop to permit the aforesaid spring to open the switch; a rotable disc; and a plurality of buttons carried by the disk each adjustable into and out of the range of said lever and serving when in the range of the lever to operate it when the disc is turned.



1,468,276. NONGLARE DEVICE FOR HEADLIGHTS. FREDERICK C. BROCKER, Oakland, Cal., assignor of one-half to Sylvanus C. Farnham, Oakland, Calif. Filed June 30, 1921. Serial No. 481,463. 1 Claim. (Cl. 240—48.4.)

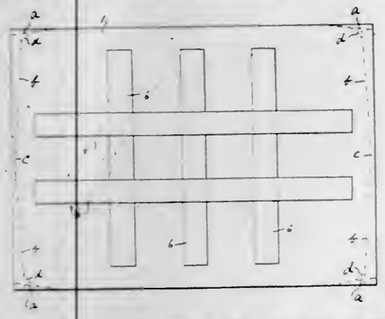


A non-glare device for headlights having a substantially parabolic reflector and a source of light at the focal point thereof, a member arranged to serve as the sole closure for the opening of the headlight receptacle and comprising a circular disk of opaque material and provided in one portion with a segmental opening of less than half the area of the disk, a glass supported by said disk and arranged to cover said opening, and an obliquely extending secondary reflector fixed to said disk and having a curved edge adapted to fit against the parabolic reflector of the headlight and positioned to reflect the rays from said light source against the primary reflector.

1,468,277. NONSTRETCHABLE MATTRESS. SAMUEL BRONSTIEN, St. Paul, Minn. Filed June 3, 1922. Serial No. 565,580. 4 Claims. (Cl. 5—355.)

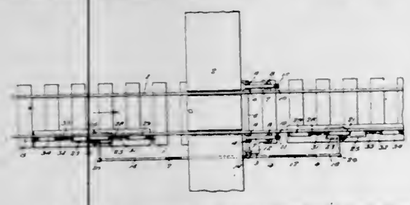
1. A tufted mattress comprising, in combination, a top, a bottom, a box strip associated with the top and bottom, said top and bottom being initially of a length in excess of the length of the finished mattress, said top and bottom each having its opposite end portions cut on lines converging from the sides thereof toward the transverse center, said converging ends at the sides of the mattress

being spaced apart a distance equal to the finished length of the mattress, the tufting of the mattress drawing in the intermediate parts of the end portions of said top and



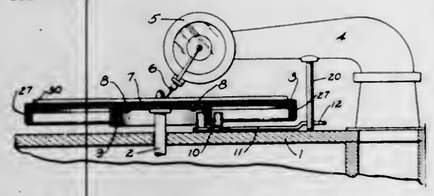
bottom, and strips connecting the end portions of the box strip, the connections between said strips and the box strip being spaced apart a distance substantially equal to the length of the finished mattress.

1,468,278. RAILROAD GATE. HUDSON BROWN, Chicago, Ill. Filed Oct. 6, 1922, Serial No. 592,786. Renewed Aug. 13, 1923. 10 Claims. (Cl. 246—293.)



1. In a pivoted crossing gate adapted to be operated by a train passing the crossing, gate throw means located to one side of the crossing normally out of train engaging position, means in advance of said throw means engaged by the train for bringing the throw means to train engaging position and for causing the latter to swing the gate, means between the crossing and the gate throw means for returning the latter to initial position without influencing the gate, gate throw means on the opposite side of the crossing out of train engaging position and designed to swing the gate to a second position, means between said throw means and the crossing actuated by the train for bringing the throw means to train engaging position and for swinging the gate, and means actuated by the train arranged outward of the said throw means for returning the latter to initial position.

1,468,279. AUTOMATIC STOP FOR PHONOGRAPHS. GEORGE T. CHERINGTON, Waukegan, Ill. Filed May 26, 1920. Serial No. 384,316. 4 Claims. (Cl. 192—122.)



1. The combination with a phonograph having a motor board, a tone arm, reproducer and needle therefor, and a turn table, of a member secured to the underside of said turn table, a peripheral flange on said member, a record having a spiral groove extending from the inner groove of the playing grooves to a point adjacent the center of said record, a pivoted trigger mounted on the motor board adjacent the periphery of said flange, brake-shoes mounted on said trigger on each side of said flange, a fixed member secured to the tone arm, which engages the trigger when the needle is adjacent the center of the record, and thus causes the brake-shoes to engage the flange.

1,468,280. ANTISKID CHAIN. ELMORE H. COE, Hewlett, N. Y. Filed Mar. 30, 1923. Serial No. 628,695. 4 Claims. (Cl. 24—237.)



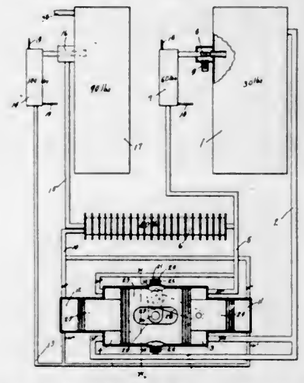
1. A device of the character described comprising a yoke shaped element having legs, said legs being united to form a loop, one of said legs being bent to provide a loop terminating in a shank which is bent to provide a loop coinciding with the first mentioned loop and a hook terminating in a free end, the other of said legs being bent to provide a loop coinciding with the second mentioned loop and a hook having a free end.

1,468,281. DOLL. HARVEY CONOVER, Chicago, Ill. Filed May 9, 1921. Serial No. 468,093. 1 Claim. (Cl. 46—40.)



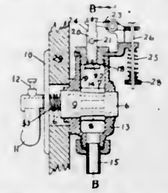
A cut out full length figure of a dressed and hatted doll having a face perforation and a disc pivoted above the doll's head to rotate behind the doll figure, carrying a plurality of faces adapted, as the disc is rotated, to successively appear at said face perforation, for the purposes set forth.

1,468,282. AIR-COMPRESSING MEANS. JOSEPH C. COULOMBE, Dracut, Mass. Filed Jan. 5, 1918. Serial No. 210,504. 1 Claim. (Cl. 230—32.)



In air compressing means, the combination of a pump; a reservoir; connection between said reservoir and the intake of said pump; connection between the exhaust of said pump and said reservoir; an air injector in said exhaust connection; and means for heating the air of said exhaust connection before it enters said injector.

1,468,283. AUXILIARY AIR VALVE. WILLIAM MONTAGU COWARD, North Sydney, New South Wales, Australia, assignor to Frederick Cecil Gadsby, Sydney, New South Wales, Australia. Filed Apr. 28, 1921. Serial No. 465,180. 3 Claims. (Cl. 277—64.)



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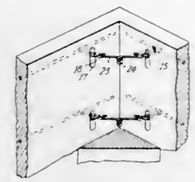
1. The hereindescribed device for automatcially controlling an auxiliary supply of air to the cylinders of motor vehicles comprising a casing, a valve chamber connected with the valve casing, an induction pipe for the engine connected with the casing at the opposite side to the valve chamber, and an inlet port for the valve casing intermediate the valve chamber and the induction pipe, in combination with a three-way valve within the valve casing for selectively establishing communication between the valve chamber and the induction pipe, between the valve chamber and the port, and between the port and the induction pipe, a dial, and a pointer for the valve indicating on the dial the co-relation of the valve to the port, valve chamber and induction pipe.

1,468,284. SHOE. JOHN J. DALY, Newton Center, Mass. Filed Jan. 22, 1923. Serial No. 614,110. 3 Claims. (Cl. 36—17.)



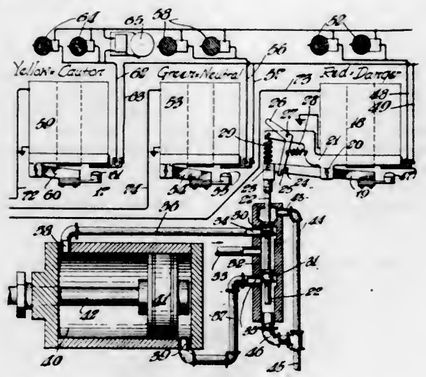
2. A double soled welt shoe comprising an upper, a welt fastened thereto, an intermediate sole of resilient but wear resisting cushioning material underlying and stitched to said welt, and an outer sole substantially coextensive with and conforming in outline to said intermediate sole and stitched thereto and to the welt by a line of stitching independent of the stitching which fastens said intermediate sole to the welt whereby the outer sole, when worn through may be readily disconnected from the intermediate sole and the latter exposed as a new, complete and unworn wear surface for direct contact with the ground.

1,468,285. CONCRETE-SLAB BUILDING CONSTRUCTION. GERALD FRANCIS DAMPNEY, Sydney, New South Wales, Australia. Filed Sept. 28, 1921. Serial No. 503,924. 6 Claims. (Cl. 72—19.)



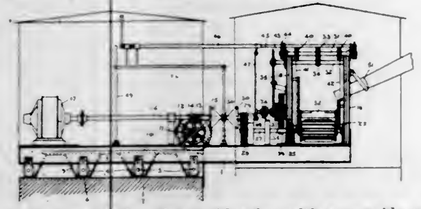
1. A concrete building slab having reinforcement members embedded therein and tying attachments connected to said members, said slab being provided with cavities to accommodate said tying attachments whereby the latter may be extended beyond the surface of the slab to facilitate the tying of opposite and contiguous slabs in the erection of the same.

1,468,286. TRAIN-CONTROL SAFETY DEVICE. BENJAMIN W. DAVIS, Ridley Park, Pa. Filed May 2, 1922. Serial No. 557,872. 5 Claims. (Cl. 246—189.)



4. In a cab or other vehicle signal system, a vehicle, a magnet carried by the vehicle, a semaphore arm, means for automatically energizing said magnet when said arm is set at "danger," a lever pivotally supported upon said magnet and operated when said magnet is energized, a valve casing, a balanced valve therein, a valve rod for said valve, a pivotal connection between said lever and valve rod, a lug on said lever, a locking lever having a notch therein adapted to interlock with said lug, a spring exerting tension on said locking lever, another spring exerting tension on said valve rod, and a compressed air inlet and outlet for said valve casing controlled by said valve, said outlet leading to the brake line of an air brake mechanism, whereby the brakes are applied when said magnet is energized.

1,468,287. CAR LOADER. WALTER J. DUFFEY, Fort William, Ontario, Canada. Filed Sept. 2, 1921. Serial No. 498,150. 4 Claims. (Cl. 198—4.)



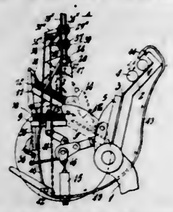
1. In a car loader, the combination with a movable carriage, a pair of upright frames at the outer end, a pair of shafts extending across said frames, intermeshing gears secured to said shafts, frames mounted on said shafts and adapted to extend outwardly, endless carriers carried in said frames operated from said shafts, a shaft extending across the top of said end frame, cable drums on said top shaft, cables secured to the outer ends of said pivotal frames and connected to said drums, means for rotating said drum shaft, a clutch controlling the operation of said drum shaft, and ratchet means for holding said drum shaft to retain said carrier frames in various inclined positions.

1,468,288. WOODEN-FLOOR SECTION. JOHANNES BENJAMIN BEN, Voss, Norway. Filed July 1, 1920. Serial No. 393,408. 2 Claims. (Cl. 20—6.)



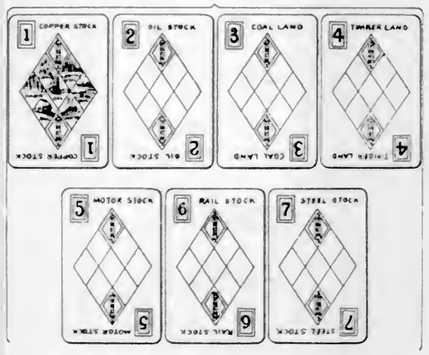
1. A floor section, forming a unit comprising a wooden frame made up of a pair of longitudinally extending flanks and a plurality of transverse braces, a plurality of deals nailed to the frame at one side thereof and extending longitudinally of the planks, and a plurality of ceiling boards nailed to the frame at the other side thereof, and likewise extending longitudinally of said planks, the outer of said deals lying above said planks and nailed to them and the outer of said ceiling boards lying below said planks and being nailed to them, said outer deals and ceiling boards having their outer edges flush with the outer sides of said planks, the organization being such that said longitudinal planks, outer deals and outer ceiling boards form a reinforced joist of a height corresponding to the total height of the plank, having added to it the total thickness of the outer deals and the outer ceiling boards.

1,468,289. DRIER FOR PRINTING PRESSES. ANTHONY J. ESCHENBACH, Cincinnati, Ohio. Filed Mar. 21, 1921. Serial No. 454,083. 6 Claims. (Cl. 34—18.)



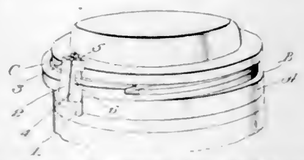
1. In combination with means for printing sheets, a receptacle to receive the printed sheets from said means, and a carrier to carry the sheets from said means to said receptacle, a heater fixed over said receptacle above the path of the sheets carried by said carrier, to heat said sheets after said sheets are received by said receptacle and throughout the time of their occupancy thereof.

1,468,290. CARD GAME. DWIGHT S. GALLATIN, Pittsburgh, Pa. Filed July 26, 1921. Serial No. 487,741. 2 Claims. (Cl. 46—25.)



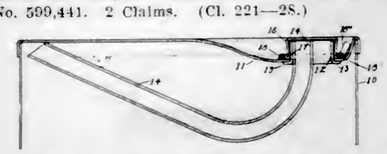
1. A deck of cards made up of two parts, one part including a plurality of sets of cards of one category and a single set of cards of another category, each set made up of an equal number of cards and the cards of each set in the first category being distinguished individually, the same distinguishing marks being employed in each set in the first category, the other part including a plurality of sets of cards bearing varying and positive valuations and a plurality of sets of cards bearing varying and negative valuations, substantially as described.

1,468,291. PISTON-RING REMOVER. LOUIS J. GENETT, Marquette, Mich., assignor of one-half to John M. Longyear, Jr., Marquette, Mich. Filed Mar. 24, 1920. Serial No. 368,291. 3 Claims. (Cl. 29—86.9.)



1. In a piston ring remover comprising a thin tongue adapted for insertion between the inner side of a piston ring and the outer wall of its piston and a holder for said tongue having a notch located adjacent the tongue adapted to be occupied by the cross section of the piston ring, said notch having a shoulder extending transversely of said tongue for engaging a flat face of the piston ring and a second shoulder opposite the first and spaced therefrom to engage the opposite flat face of the piston ring.

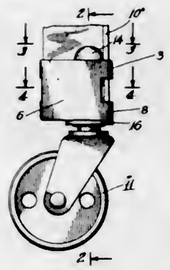
1,468,292. CAN CLOSURE. FRANCIS R. HARRIS, Columbus, Ohio, and LOUIS HOLLANDER, New York, N. Y., assignors to Morris Can Closure Company, New York, N. Y., a Firm consisting of Louis Hollander, Francis R. Harris, and Samuel H. Morris. Filed Dec. 8, 1920. Serial No. 429,128. Renewed Nov. 6, 1922. Serial No. 599,441. 2 Claims. (Cl. 221—28.)



1. A can having a generally plain flat top surface with a pouring opening therethrough, an air tube held wholly within the can and open at the ends, said tube

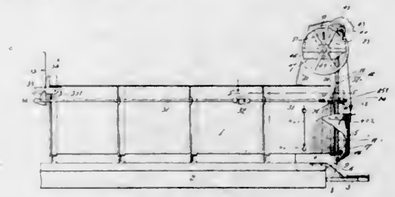
extending from a point near the top of the can into said pouring opening, a cap closing the opening and lying substantially flush with the can top, a member arranged substantially at the junction of the cap and can top and provided with a protruding end, and a soldering element covering the said member and uniting the cap and can top.

1,468,293. CASTER BRACKET. WALTER F. HEROLD, Newark, N. J., assignor to The Bassick Company, Bridgeport, Conn., a Corporation of Connecticut. Filed Aug. 7, 1922. Serial No. 579,980. 13 Claims. (Cl. 16—29.)



1. In a caster bracket adapted to receive the lower end of an angle iron leg, the combination of a top member with an angular opening therethrough, through which said leg may be inserted, a bottom member for supporting the leg, and a vertical member connecting said top and bottom members, and separate removable means for securing the bracket to the angle iron leg.

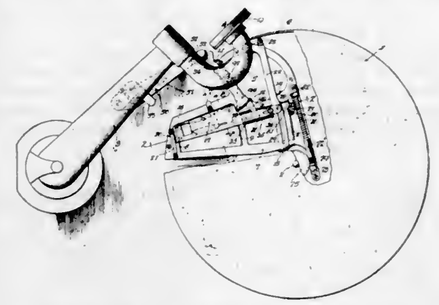
1,468,294. DUMP BODY. HORACE H. HILL, Arlington, Mass. Filed June 29, 1921. Serial No. 481,248. 7 Claims. (Cl. 298—23.)



1. In a dump body, a tail gate and means for supporting it at its top so that its bottom may be swung outwardly to dump a load, and means whereby said tail gate may be raised bodily, said supporting means comprising a fixed cross rod sustained by said body, and hooks attached to said tail gate adapted to hook over said rod and serve as a hinge for said tail gate and which hooks also permit said tail gate to be lifted off said rod when said tail gate is raised bodily, and a spreader with which said tail gate co-operates when so lifted.

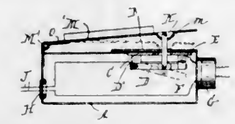
1,468,295. AUTOMATIC STOP FOR SOUND-REPRODUCTION APPARATUS. FRANK C. HOBBS, Buffalo, N. Y. Filed Dec. 23, 1921. Serial No. 524,386. 8 Claims. (Cl. 192—118.)

1. In sound reproduction apparatus including a record supporting turntable and a tone arm, means for automatically arresting the movement of the turntable upon completion of the period of reproduction comprising a brake member, a carrier movable through movement of the tone arm during the reproduction period, means carried by the carrier and coacting with the brake member tending to move the brake member to active position, a detent upon the carrier for restraining the last mentioned means when the latter is moved to inactive position, means operable through manual movement of the tone arm to move the said last mentioned means



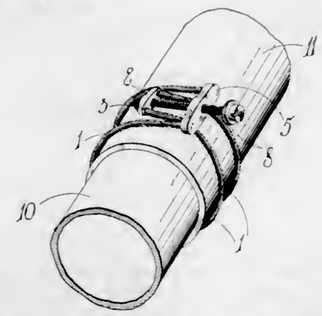
to inactive position and thereby render the brake inactive, and means operable through rotation of the turntable to effect movement of the detent to inactive position upon cessation of movement of the tone arm and carrier.

1,468,296. STAND FOR ELECTRIC IRONS. WILLIAM HODGSON, Gisborne, New Zealand. Filed July 28, 1921. Serial No. 488,184. 2 Claims. (Cl. 219—23.)



1. A stand for electric irons formed by a box or casing having a switch within it arranged within the iron circuit to control it, and an iron resting plate pivotally supported at one end above the box springs acting on such plate to normally raise it on its pivots, and connections between such rest and the switch my means of which the switch is closed when the rest is raised and is opened by the downward movement of the rest under the weight of an iron placed thereon, substantially as specified.

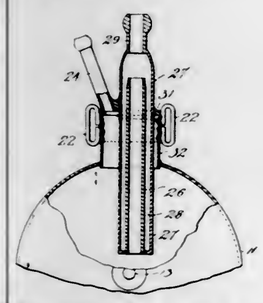
1,468,297. CLIP FOR PIPES OR TUBES. JOHN STEADMAN HOGG and HENRY LANE, Wednesfield, England. Filed Jan. 5, 1923. Serial No. 610,854. 2 Claims. (Cl. 24—19.)



1. A pipe clip comprising a single length of flexible material bent at the middle to form two substantially parallel portions; two abutment members, one extending transversely between each of the ends of the two spaced portions of the flexible member, both having spaced open-

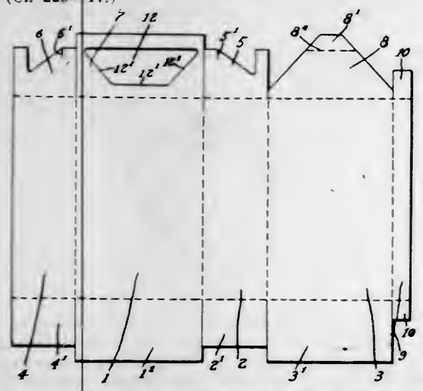
ings for the reception of the flexible member, which openings extend parallel to the flexible member, the abutment member which extends between the ends of the flexible member being longer than the other and having the holes there in spaced apart by a greater distance than the holes in the other abutment member located between the bend in the flexible member so that the parts of the flexible members near the end having the longer abutment members are sufficiently widely spaced to allow the abutment member at the opposite end to be passed between them; and means associated with the abutments adapted to apply pressure to the abutments in the plane in which the flexible member extends.

1,468,298. DEVICE FOR CONDENSING THE MOISTURE IN THE BREATH. ADA HOGAN, Brooklyn, N. Y., assignor, by mesne assignments, to Charles W. Armbrust, Albany, N. Y. Filed Dec. 16, 1918, Serial No. 266,885. Renewed Feb. 14, 1923. 6 Claims. (Cl. 257—29.)



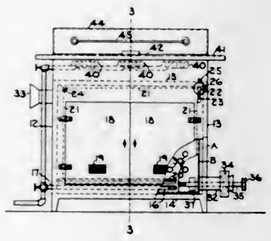
1. A condenser comprising, a vessel, a supply connection to the interior thereof including a tubular portion, a tube centrally disposed in said tubular portion to form a space therebetween, said central tube opening into the interior of the chamber, the space between said tubular portion and central tube being closed to the interior of said chamber except through said central tube, and a delivery member communicating with the interior of said chamber.

1,468,299. PACKAGE. STANLEY R. HOWARD, East Milton, and GUSTAF W. ANDERSON, Norfolk Downs, Mass., assignors, by mesne assignments, to State Street Trust Company, trustee, a Corporation of Massachusetts. Filed May 31, 1921. Serial No. 474,030. 8 Claims. (Cl. 229—17.)



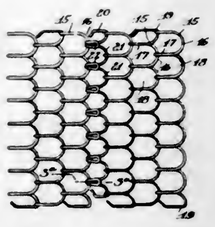
1. In a container, a carton member including end closure flaps, one of said flaps having a cut out portion, lateral flaps having their ends underlying said cut out portion, and slitted laterally, and an overlapping flap adapted to cover said cut out portion and having its tip adapted to be bent to enter said cut out portion and said slits to close the same after initial opening.

1,468,300. COOKING AND HEATING STOVE. EVAN HOPKINS, St. Paul, Minn. Filed Nov. 28, 1919, Serial No. 341,204. Renewed Feb. 19, 1923. 2 Claims. (Cl. 126—6.)



2. A stove having an oven and a grate over the oven, a gas burner below the grate for heating articles placed thereon, a thin plate extending over the top area of the oven and hinged thereto and adapted in lowered position to rest on the grate and in raised position to be moved away from over the burner, and a large dome hingedly supported over the plate and adapted in lowered position to form substantially an air tight inclosure over the plate and in raised position to move away from over the burner.

1,468,301. SORTING-MACHINE BELT. ALLEN T. HOXTER, Atlanta, N. Y., assignor to Boggs Mfg. Corp., Atlanta, N. Y., a Corporation of New York. Filed June 24, 1922. Serial No. 570,616. 4 Claims. (Cl. 130—32.)

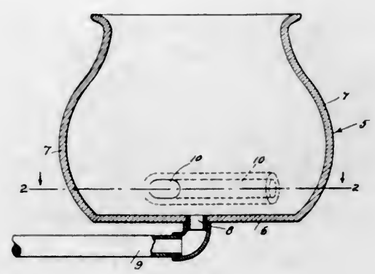


1. A sorting belt comprising a plurality of wire strips each formed to provide longitudinally thereof a series of loops with intermediate connecting portions between adjacent loops, the connecting portions of one strip being engaged in the loops of the adjacent strip to join adjacent strips for pivotal movement about axes extending transversely of the belt with their respective loops in staggered relation, and a connecting strip formed to provide longitudinally thereof a series of loops engaged with the terminal strip at one end of the belt and having hook-like portions intermediate said loops for detachable engagement with the terminal strip at the other end of the belt for detachably connecting the belt ends together.

1,468,302. GAS BURNER. JAMES A. KENWORTHY, Los Angeles, Calif. Filed Jan. 18, 1922. Serial No. 530,018. 4 Claims. (Cl. 158—91.)

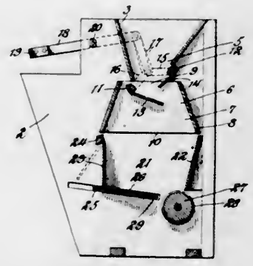
2. A gas generator and burner, comprising a casing of annular form open at the top and closed at the bottom, the opening at the top portion being of less diameter than

the lower portion of said casing, said casing being provided with a liquid fuel inlet in the bottom wall, and



having a compressed air inlet leading thereto arranged tangential to its annular wall, whereby to cause a whirling motion to the air on an operation of the burner.

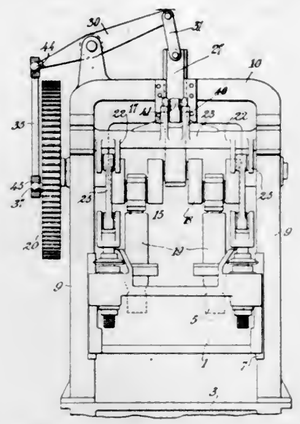
1,468,303. MACHINE FOR SPREADING CRUSHED STONE AND OTHER MATERIAL. WILLIAM O. KING, Sidney, and JOSHUA R. KING, New Haven, N. Y. Original application filed July 6, 1918, Serial No. 243,542. Divided and this application filed Feb. 4, 1921. Serial No. 442,426. 4 Claims. (Cl. 221—144.)



1. In a machine for spreading crushed stone or other material, a receptacle for the material, and means for controlling the discharge of material from the receptacle, comprising two opposed rockable superposed imperforate valves or shutters with the under valve wider than and underlapping the upper valve means for simultaneously moving the valves to close and open the discharge end of the receptacle whereby the lower valve will direct the flow of material from the receptacle with the upper valve directing the flow of material onto the lower valve.

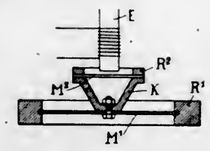
1,468,304. DRAWING PRESS. WILLIAM KLOCKE, New York, N. Y., assignor to E. W. Bliss Company, Brooklyn, N. Y., a Corporation of West Virginia. Filed June 5, 1920. Serial No. 386,839. 6 Claims. (Cl. 113—38.)

1. A drawing press comprising a frame, a blank holder or die carrying slide, and means for reciprocating said slide with a dwell in its movement, said means comprising a shaft extending beyond said frame, a wheel and an eccentric part on said shaft beyond said frame,



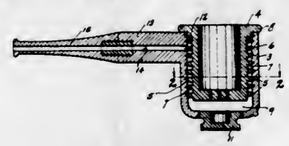
a lever having a relatively short angular movement and fulcrumed on said frame, and a link connection at its ends to said lever and to said eccentric part.

1,468,305. SENDER DIAPHRAGM FOR SUBMARINE SOUND SIGNALS. WILLY KUNZE, Bremen, Germany. Filed Aug. 16, 1921. Serial No. 492,754. 4 Claims. (Cl. 177—386.)



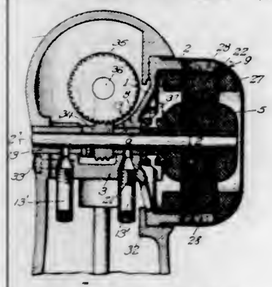
4. A sender for submarine signaling comprising in combination a diaphragm in contact with water, a second diaphragm of smaller diameter clamped at its rim, means for rigidly connecting said first-named diaphragm and the clamped rim of the smaller diaphragm, and means for vibrating the smaller diaphragm.

1,468,306. SMOKING PIPE. CHARLES H. LYON, Chicago, Ill. Filed Sept. 23, 1920. Serial No. 412,315. 3 Claims. (Cl. 131—12.)



3. A smoking pipe comprising an outer bowl having shallow internal threads; an inner bowl having comparatively deep external threads to fit said internal threads, there being smoke openings extending through the bottom of said inner bowl; a stop on said inner bowl limiting the movement thereof into said outer bowl to form a collecting chamber; an enlarged annular smoke chamber surrounding the upper portion of said inner bowl; a pipe stem communicating with said annular chamber; and a removable plug for said collecting chamber, substantially as described.

1,468,307. ELECTRIC MOTOR. GUSTAVE C. MARX, Elizabeth, N. J., assignor to Diehl Manufacturing Co., Elizabeth, N. J., a Corporation of New Jersey. Filed Aug. 24, 1917, Serial No. 187,969. Renewed Sept. 29, 1922. Serial No. 591,399. 16 Claims. (Cl. 172—36.)



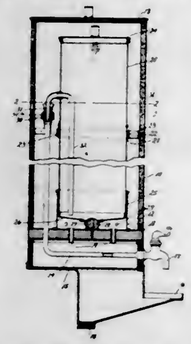
1. An electric motor for use with a machine having a frame with an opening therein, comprising in combination a bearing and supporting member for projecting into the opening into the machine frame and to be supported by the frame, a pair of bearings carried by said member, an armature shaft completely supported near one end in said bearings, an armature mounted on said shaft, and a field carried by said member.

1,468,308. LOCOMOTIVE ARCH. CHARLES E. MILLER, Chicago, Ill. Filed Feb. 7, 1923. Serial No. 617,489. 4 Claims. (Cl. 110—99.)



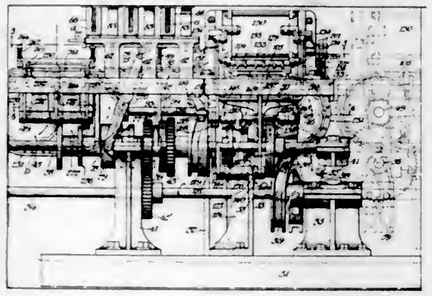
1. In a locomotive arch, the combination with arch tubes and side sheets, of bricks laid upon and closing the space between adjacent tubes, and an L-shaped brick having arms of unequal length the short arm extending vertically and resting upon an outside arch tube and the long arm extending horizontally and abutting a side sheet.

1,468,309. WATER COOLER. ROYAL E. MILLER, Chicago, Ill., assignor to The Adams & Westlake Company, a Corporation of Illinois. Filed Oct. 9, 1922. Serial No. 593,396. 6 Claims. (Cl. 62—142.)



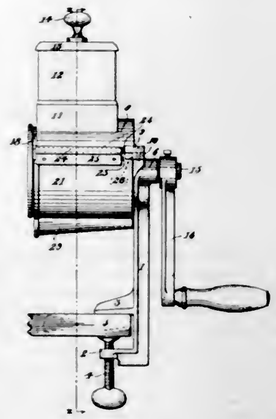
1. A water cooler comprising, in combination, an ice container, a water tank enclosed within the container, and a siphon draw-off tube leading from the tank, said tube including sections, means for connecting said sections whereby the same are disconnected by the removal of said tank from said container.

1,468,310. MACHINE FOR MAKING MATCH BOOKS. JOHN R. NOLAN, New York, N. Y., assignor to The Diamond Match Company, Chicago, Ill., a Corporation of Illinois. Filed July 28, 1920. Serial No. 399,561. 38 Claims. (Cl. 93—7.)



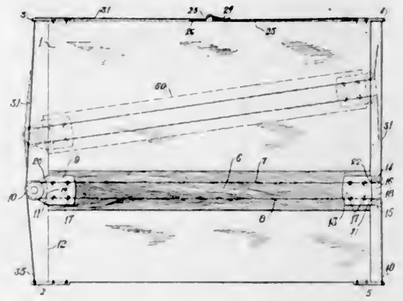
1. In a machine for making match books, the combination with a carrier having spaced-apart cover-receiving members, of means for simultaneously supplying covers to a series of alternate receiving members, means for intermittently moving said carrier to position succeeding series of such members for the reception of covers, whereby each succeeding receiving member when it progresses beyond the cover-supplying means contains a cover, means for supporting a match strip laterally and longitudinally of the path of travel of the covers borne by said members, means for simultaneously subdividing said strip throughout its length into a row of match cards, and means for feeding the said cards in alternate series to the carrier and upon succeeding series of covers in the carrier.

1,468,311. FOOD GRATER. THOMAS LENGYEL, Buffalo, N. Y. Filed May 11, 1923. Serial No. 638,378. 4 Claims. (Cl. 146—92.)



1. In a vegetable grater, a frame, a hopper receptacle, guide pan and grating cylinder detachably mounted thereon, and means for rotating the grating cylinder, said frame including a lateral arched bracket, an upstanding rectangular frame carried thereby for the removable reception of the hopper receptacle, said grating cylinder including a journalled stub shaft supporting the grating cylinder at one end and the rotating means at the other end.

1,468,312. PARALLEL ATTACHMENT FOR DRAWING BOARDS. ARTHUR F. LINSNER, Astoria, N. Y., assignor to New York Blue Print Paper Company, a Corporation of New York. Filed Sept. 14, 1920. Serial No. 410,116. 1 Claim. (Cl. 33—80.)



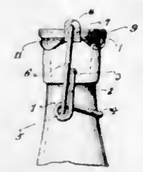
The combination with a drawing board, of a parallel attachment therefor comprising a straight edge provided with two parallel longitudinally extending open grooves in the under surface of said straight edge, means permitting parallel movement of said straight edge over the face of the drawing board consisting of a plurality of apertured corner brackets secured to the four corners of the said drawing board, a guide bracket secured to the one end of the said straight edge, said bracket having a depending vertical portion adapted to slide against the one side of the drawing board, said bracket being further provided with a lateral extension below the plane of the straight edge, a double grooved pulley mounted above said lateral extension, a second bracket secured to the opposite end of the straight edge, said second bracket having a lateral extension flush with the lower surface of the straight edge, two separate single pulleys secured above said second lateral extension, a single cable having one of its free ends secured to one of the said corner brackets, said cable then passing around the said double pulley in one of its grooves, thence through one of the said open grooves in the straight edge to one of the said single pulleys, thence around the drawing board and through two of the said corner brackets, thence back to and around the said double pulley in the other groove thereof, thence through the second open groove in the straight edge, thence around the second of the two single pulleys aforesaid, thence back to the fourth of the said corner brackets, where the other free end of the cable is secured, and locking means for said cable secured to the upper side of the said drawing board.

1,468,313. PROCESS OF PRODUCING A COLD GLUE FROM BLOOD. FRITZ LUX, Mannheim, Germany, assignor to the Firm Luftfahrzeugbau Schütte-Lanz, Mannheim-Rheinau, Germany. Filed July 3, 1920, Serial No. 394,011. Renewed May 14, 1923. 5 Claims. (Cl. 87—17.) (Granted under the provisions of the act of Mar. 3, 1921, 41 Stat. L., 1313.)

5. A process of producing a cold glue from blood, consisting in treating the freshly taken blood with oxalic acid, evaporating the so prepared blood in a vacuum at a temperature which does not produce a coagulation, and dissolving in water the dry residue thus obtained.

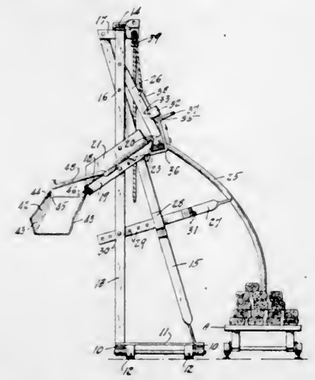
1,468,314. BOTTLE CLOSURE. CORNELIS GIJSBERTUS VAN DER LEE, Utrecht, Netherlands. Filed June 24, 1922. Serial No. 570,556. 1 Claim. (Cl. 215—38.)

Bottle-closure comprising a hasp adapted to be secured to the bottle-neck, a cap having a downwardly projecting circumferential flange, overlying the bottle neck, a washer of resilient material adapted to be held in the cap by means of a peripheral groove rolled in the cap and two upstanding perforated lugs below the groove on the cap



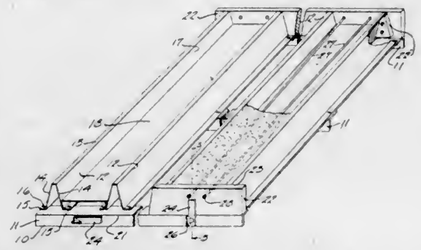
formed by bending upward a portion of said flange, and adapted to receive the hasp in such a manner that it presses the cap on the bottle when closing the latter.

1,468,315. TIE-LOADING MACHINE. DANIEL H. MAHONEY, North Bend, Ohio. Filed Apr. 8, 1922. Serial No. 550,851. 16 Claims. (Cl. 214—95.)



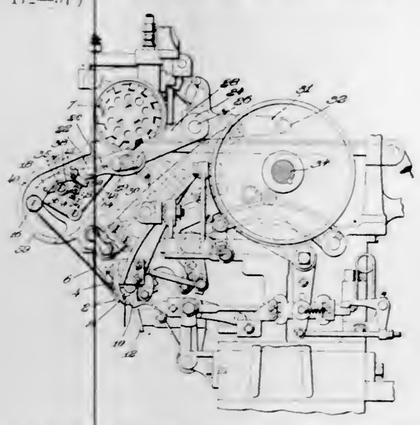
1. Means for loading ties into cars comprising a supporting frame, a laterally inclined chute carried by the frame, means for hoisting ties and discharging them onto the chute with the ties extending transversely to the inclination of the chute, and a second longitudinally inclined chute disposed with its axis at an acute angle to the discharge edge of the first named chute.

1,468,316. MOLD FOR CONCRETE FLOOR BEAMS OF GREENHOUSE BENCHES. FRED J. MEAD, Newark, N. J. Filed Apr. 29, 1921. Serial No. 465,490. 5 Claims. (Cl. 25—121.)



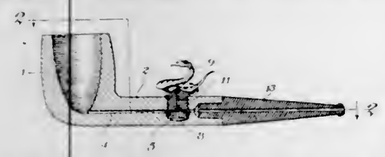
3. In a mold structure for making concrete floor beams for greenhouse benches, a series of parallel channel bars of substantially inverted V-form providing mold cavities therebetween, and a series of bottom pallets for the mold cavities having side flanges adapted to rest snugly against the tapering sides of the channel bars.

1,468,317. WAX-THREAD SEWING MACHINE. WILLIAM C MEYER, Beverly, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J., a Corporation of New Jersey. Original application filed Apr. 28, 1917, Serial No. 165,107. Divided and this application filed Sept. 6, 1918. Serial No. 252,970. 2 Claims. (Cl. 112—57.)



2. A wax thread sewing machine having, in combination, stitch-forming devices including a hook needle, a looper, take-up mechanism comprising a take-up lever, an arm having an abutment pivotally mounted on the forward end of the lever, a take-up roll carried by the arm, a spring acting on the arm and tending to swing the same in one direction relatively to the lever, a stop for limiting the movement of the arm relative to the lever under the action of the spring, and an adjustably mounted locking arm having an abutment arranged to engage an abutment on the roll-carrying arm to lock the roll-carrying arm from movement in opposition to the action of the spring when the locking arm is in one position, and to be located out of position to engage the abutment on the roll-carrying arm when said locking arm is in another position.

1,468,318. TOBACCO PIPE. JAMES MCMILLAN, Jr., Piedmont, W. Va. Filed Sept. 30, 1922. Serial No. 591,522. 4 Claims. (Cl. 131—12.)

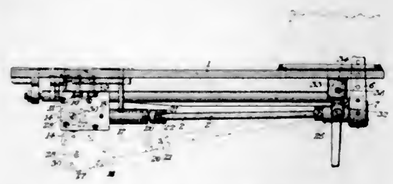


1. A tobacco pipe having a lateral opening in its stem, said stem having a well therein in alignment with said opening, the bottom of the well being positioned below the bore of the stem, a plug in said lateral opening, and a plurality of spring wires secured to said plug and adapted to collect moisture, nicotine and the like and direct the same to the well.

4. A plug for tobacco pipes including a plurality of wires secured to the base of the plug and an air conduit attached to the top of the plug.

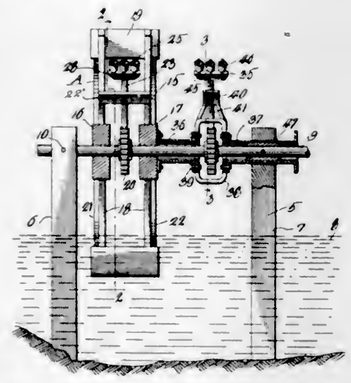
1,468,319. SEWING MACHINE. GEORGE W. NELSON, Cleveland, Ohio, assignor to The Standard Sewing Machine Company, Cleveland, Ohio, a Corporation of Ohio. Filed June 15, 1921. Serial No. 477,639. 10 Claims. (Cl. 112—184.)

1. In a sewing machine, the combination with the bed-plate, of a hook, a shaft carrying said hook, a drive shaft, gearing connecting said shafts, and a case enclosing the said gearing and supporting the connected shafts in



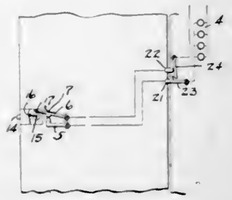
bearings therein, the said case with its supported parts being removably attached to the bed-plate.

1,468,320. FISH STOP. JAKOB S. NEUMANN, Great Falls, Mont., assignor to Edward Neumann, Great Falls, Mont. Filed Jan. 18, 1923. Serial No. 613,487. 5 Claims. (Cl. 116—67.)



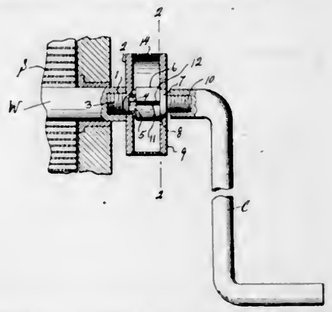
3. A fish stop comprising a pair of spaced standards anchored in the bed of a stream, a water wheel rotatably mounted between the standards, a stationary ratchet wheel disposed between the standards, a flexible arm carried by the water wheel arranged to engage the ratchet wheel, and a set of bells carried by the outer end of the flexible arm.

1,468,321. ELECTRIC CONTROL SYSTEM. JOHN F. NEWSOM, Palo Alto, Calif. Filed Sept. 28, 1921. Serial No. 503,873. 2 Claims. (Cl. 171—97.)



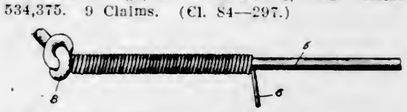
1. The combination with a door having a lock, of an electric circuit, a switch in said circuit arranged on said door and associated with said lock, means operative by the setting of the lock to locked position for opening said switch, a second switch in said circuit arranged to be closed when the door is open and means operative by the closing of the door for opening said second switch and placing said first switch in the circuit.

1,468,322. OVERWINDING PREVENTER. DANIEL E. ODOM, Bennettsville, S. C. Filed Mar. 4, 1922. Serial No. 541,136. 7 Claims. (Cl. 64—106.)



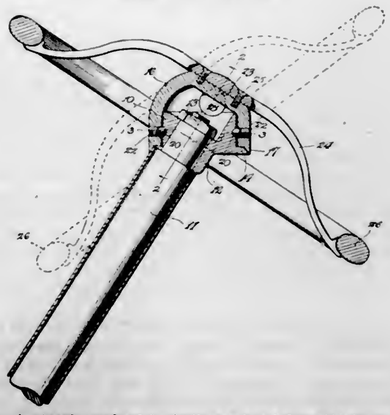
1. Spring overwinding preventing means embodying a shaft and means placed under tension by the shaft upon rotation thereof, two members connected for relative rotation, one of said members being engaged with the shaft for rotation therewith, the second member being provided with means for rotating the same, one of said members comprising a sleeve and the second of said members being rotatably arranged therein, and a resilient member carried by the last named member and having contact with the sleeve, said sleeve being provided with means coacting with the extremities of the resilient member to increase the frictional contact of said resilient member with the sleeve upon relative rotation of the two first named members.

1,468,323. MUSICAL-INSTRUMENT STRING. REUBEN A. OLSON, Chicago, Ill., assignor of one-half to Frederick C. Lewis, Chicago, Ill. Filed Feb. 6, 1922. Serial No. 534,375. 9 Claims. (Cl. 84—297.)



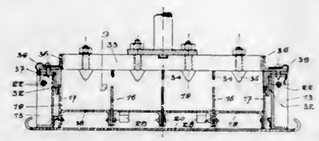
1. A musical instrument string comprising a core of a metal of great tensile strength, and a wire wound upon said core, said wire being formed of a metal which is malleable and of low specific gravity.

1,468,324. STEERING WHEEL. GEORGE POTCHERNICK, San Antonio, Tex. Filed Aug. 12, 1922. Serial No. 581,518. 10 Claims. (Cl. 74—33.)



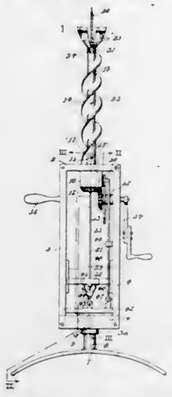
1. A steering wheel including a head for attachment to a steering post, a grip, and a hub sustaining the grip and rotatable upon the head about an axis tilted with respect to the longitudinal axis of the steering post for tilting the grip with respect to the steering post.

1,468,325. APPARATUS FOR THE FABRICATION OF CONCRETE-CONSTRUCTION ELEMENTS. EMILE VICTOR PREUSS, Txelle, near Brussels, Belgium. Filed July 11, 1922. Serial No. 574,241. 10 Claims. (Cl. 25—121.)



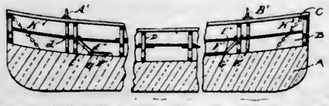
1. Apparatus for making concrete building elements, comprising an open-topped frame embodying rigidly connected side, front and bottom walls, and a rear wall hingedly related to the bottom wall to swing about its lower edge, said front wall having a horizontal opening; and a mold embodying connected side, bottom and front walls and open at its rear, said mold movable bodily inwardly and outwardly of the frame through said opening, drawer-fashion, and adapted to abut at its open rear end against the rear wall of the frame when in closed position.

1,468,326. MINING MACHINE. JOSEPH RECHICHAR, Plymouth, Pa., assignor of forty-five per cent to William B. Cleary, Plymouth, Pa. Filed Sept. 21, 1922. Serial No. 589,622. 21 Claims. (Cl. 255—36.)



1. In a mining machine, a mechanism casing, a screw casing journaled therein, a rod reciprocably mounted in the screw casing and extending into the mechanism casing, a cutter carried by the outer end of the rod, manually operable mechanism for reciprocating said rod, and a center drill fixed to the outer end of the screw casing.

1,468,327. CONSTRUCTION OF OPEN LIFEBOATS WITH PARTIALLY-COLLAPSIBLE SIDES. GIOVANNI RINESI, Genoa, Italy. Filed May 28, 1921. Serial No. 473,301. 3 Claims. (Cl. 9—2.)



1. A boat of the character described including a lower solid structure and a collapsible upper portion, a gunwale carried by the upper portion, longitudinally foldable stanchions between the gunwale and the lower solid

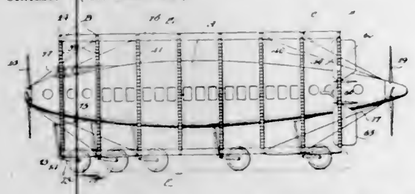
structure, brackets mounted at the folding points of the stanchions, substantially U-shaped side benches carried by the brackets, transverse seats carried at the adjacent ends of the U-shaped side benches and also by the side benches near the bow and stern of the boat, supplementary side pieces forming benches operatively mounted between the adjacent ends of the U-shaped side benches, means for removably latching the supplementary side benches when in set-up position, guides carried by the upper surface of the lower structure, braces pivoted to the transverse benches near the bow and stern operating in the guides and adapted to be latched in the guides upon the extending of the collapsible upper portion of the boat, and means for removably locking the braces in their latched positions.

1,468,328. ALARM SYSTEM. WILLIAM C. ROE, New York, N. Y., assignor to Holmes Electric Protective Company, New York, N. Y., a Corporation of New York. Filed Sept. 2, 1921. Serial No. 498,199. 3 Claims. (Cl. 177—314.)



1. In an alarm system, a transparent base, a conducting medium applied to said base, and a sign disposed between said base and said conducting medium and visible through said transparent base.

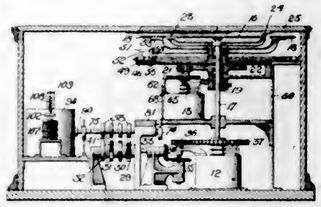
1,468,329. AEROPLANE. HENRY B. SHIELDS, Freeport, N. Y. Filed Apr. 7, 1921. Serial No. 459,451. 7 Claims. (Cl. 244—14.)



1. In an aeroplane, a body, an upper and lower spar arranged transversely of the body, compression and tension members connecting the spars together and to the body, a series of superposed aerofoils arranged between the spars, compression members connecting the aerofoils to the spars, and to each other, a plurality of series of aerofoils arranged in rear of the first series of aerofoils arranged in spaced relation along the body in the line of flight, certain portions of said series of aerofoils being hinged for swinging movement, whereby the same can be used as ailerons and elevators, and aerofoils having relatively larger chord than the first mentioned aerofoils arranged in certain of the series of aerofoils.

1,468,330. SYNCHRONOUS TRANSMISSION SYSTEM. ELMER A. SPERRY, Brooklyn, N. Y., assignor to The Sperry Gyroscope Company, Brooklyn, N. Y., a Corporation of New York. Filed Dec. 5, 1919. Serial No. 342,659. 26 Claims. (Cl. 177—337.)

18. In a synchronous transmission system, a receiving instrument adapted to be actuated from a sending instrument and including a plurality of repeater motors connected to said sending instrument for simultaneous movement at different speeds, an indicator, a one-to-one connection between said indicator and one of said repeaters, a second indicator, reduction gearing between said sec-

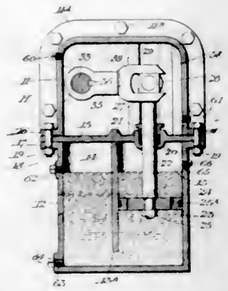


ond indicator and another of said repeaters, and means for insuring such relationship between said indicators that the second indicates fractions of the indications of the first.

1,468,331. PRODUCTION OF PLASTIC COMPOSITIONS. CHARLES EMILE SOANE, London, England, assignor of one-half to Usher-Walker Limited, London, England, a British Limited Liability Company. Filed May 5, 1921. Serial No. 466,994. 15 Claims. (Cl. 106—39.)

1. The herein described process for the manufacture of a plastic composition, which comprises treating a composition containing a gelatine with the hydrolytic products of a pentosan.

1,468,332. COMBINED AIR AND LIQUID SHOCK-ABSORBING MECHANISM FOR AUTOMOTIVE VEHICLES. FRANK N. SPRAGUE, Holyoke, Colo. Filed Feb. 1, 1922. Serial No. 533,496. 10 Claims. (Cl. 188—88.)



1. In a shock absorber of the character described, the combination with an automobile side bar, an axle, and a spring connected to said side bar, and to said axle, of a housing connected to said side bar, comprising a hood, a lower member and a separating diaphragm, said lower member comprising a cylinder and a communicating chamber which are partially filled with oil, leaving an air space above said oil, a ported piston in said cylinder having a rod extending through said diaphragm, an arm connected at one end to said piston rod, a lever pivotally mounted in said hood and rigidly connected at one end to the other end of said arm, and a rod connecting the other end of said lever and said spring.

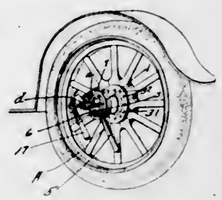
1,468,333. METHOD AND APPARATUS FOR SEALING CARTONS. JAMES C. THOM, Chicago, Ill., assignor to Combination Machine Company, New York, N. Y., a Corporation of Delaware. Filed Mar. 2, 1921. Serial No. 448,985. 46 Claims. (Cl. 93—2.)

1. A method of sealing cartons having folded flaps, comprising advancing a series of cartons in spaced relation, applying a continuous sealing strip adhesively to successive cartons over the flaps, and severing the strip between adjacent cartons.



19. Carton sealing mechanism, comprising a conveyor and means thereon for moving a series of cartons in definitely spaced relation, means for adhesively conditioning and applying a sealing strip to each of two sides of the carton series, and means for severing the strips between cartons.

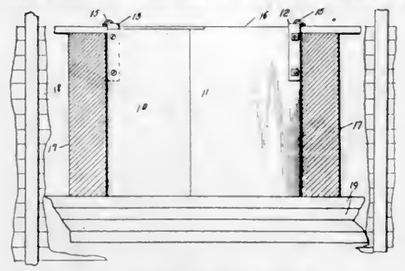
1,468,334. VEHICLE-WHEEL REMOVER. HJALMAR THOMASON, Los Angeles, Calif., assignor to Shepard-Thomason Co., Los Angeles, Calif., a Copartnership. Filed Feb. 16, 1921. Serial No. 445,480. 6 Claims. (Cl. 29—85.)



6. A device of the character described, comprising an annular frame member, a bushing member received within said frame member, said bushing being screw-threaded for engagement with hub threads of a vehicle wheel; a second member carried by the frame member for engagement with the axle upon which the vehicle wheel is mounted, whereby a pressure may be exerted between said member and the wheel for removing the wheel from said member; said bushing being formed with a transverse split portion and having its periphery beveled whereby pressure exerted between the wheel and axle will cause the bushing to closely grip the threads of the axle by wedging within the frame member.

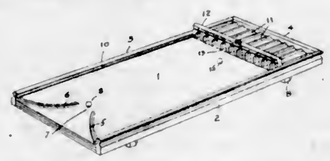
1,468,335. BUILDING FORM. LEWIS W. TILTON, Miami, Fla. Filed Feb. 9, 1921. Serial No. 443,597. 3 Claims. (Cl. 25—131.)

1. A filler unit for building forms having a sectional plate consisting of relatively movable members arranged in parallelism and provided with means for attachment to the building timbers, one of the members being pro-



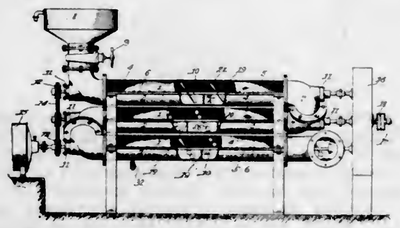
vided with a marginal flange having a sliding engagement with the adjacent edge of the other member.

1,468,336. GAME APPARATUS. ARTHUR J. VONDERSLOOT, San Francisco, Calif. Filed Oct. 5, 1920. Serial No. 414,802. 1 Claim. (Cl. 46—61.)



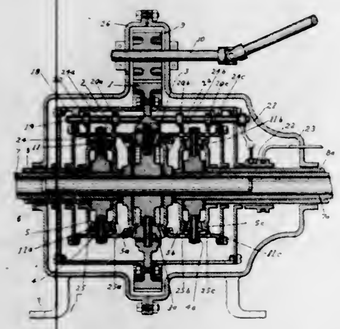
Game apparatus embodying in its construction a game board, game piece retaining walls extending along the edges of the board, said board having at one end a downwardly offset portion formed with a plurality of longitudinally extending grooves, each of which is curved in cross section and is disposed below the level of the game board proper, a transversely disposed member extending across the board at the forward edge of and upon the opposite portion thereof having openings therein registering with the forward ends of the respective grooves, game pieces movable upon said board so as to be directed thru the openings and into the grooves and walls extending from the corners of the board opposite the end thereof having grooves and curved inwardly towards the center of the board, the ends of said walls being spaced apart and cushioning material mounted on the transversely disposed member at the margin of the openings therein.

1,468,337. METHOD FOR WASHING PULP. OTTO C. WINESTOCK, Perkinsville, Vt. Filed Sept. 17, 1917, Serial No. 191,842. Renewed July 28, 1923. 7 Claims. (Cl. 141—12.)



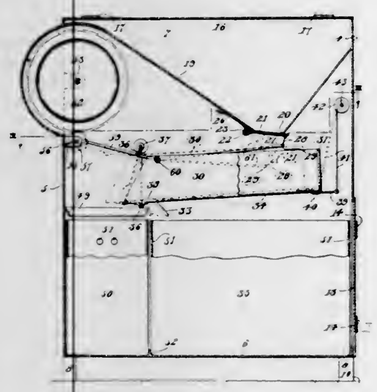
1. The process of washing pulp, which consists in continuously feeding the pulp to a washing apparatus, maintaining a predetermined level of pulp therein, gradually moving the pulp through said apparatus without rolling the pulp washing said pulp during the movement thereof, and withdrawing the wash water from the upper portion of the pulp.

1,468,338. DIFFERENTIAL. CHARLES O. WYMAN, Anoka, Minn. Filed Nov. 24, 1919, Serial No. 340,368. Renewed Feb. 28, 1923. 6 Claims. (Cl. 74—99.)



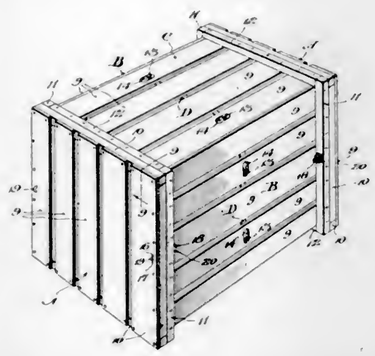
1. In a running gear of the automobile type, a triple differential constructed with a central or main differential, consisting of a middle member and its pinions together with two side gears or flanges, equalizing the drive of the front and rear axles, in combination with two secondary differentials equalizing the drive of the wheels on their respective axles, all located within the same case, said secondary differentials constructed on the flanges of the main differential.

1,468,339. ASH SIFTER. WILEM YUSKIEWICZ, Brockton, Pa. Filed Dec. 19, 1922. Serial No. 607,801. 1 Claim. (Cl. 130—32.)



In a device of the character described, a casing, a hopper having an opening carried by said casing, a flap valve secured to a rod pivotally supported by said hopper, a one-piece spring member coiled around said rod adjacent its opposite ends extending laterally in opposite directions to engage the under surfaces of said hopper and valve for normally retaining the latter in its closed position, a wire member secured to said rod extending transversely of said valve to be bent around the valve engaging portion of said spring member for forming a depending arm, an inclined sifting member swingingly supported within said casing, means for operating said sifting member, and a rod connecting said depending arm to said means for actuating said sifter and valve in unison.

1,468,340. KNOCKDOWN CONTAINER. WILLIAM T. S. BROWN, East Point, Ga. Filed May 7, 1921. Serial No. 467,623. 3 Claims. (Cl. 217—12.)



1. As cooperable parts of a knockdown container, end members having abutments on the inner sides at the edge portions thereof; members arranged to be disposed between said end members with their end portions against the inner sides of said abutments and having abutments arranged to abut those of the end members, there being holes in some of said abutments arranged to be alined; and bolts having hooks, each of said bolts being arranged to be disposed in alined abutment holes when the parts are assembled as a container whereby to hold the parts together, and each pair of said bolts being arranged to be disposed in holes of said end members with their hooks in engagement whereby to maintain the parts in package form.

1,468,341. BATTERY REJUVENATOR. ROBERT E. CARTER, Champaign, Ill. Filed Oct. 10, 1921. Serial No. 506,930. 8 Claims. (Cl. 204—29.)

4. A storage battery rejuvenator including metallic oxide, French zinc, Epsom salts, and a binder; and an acid and water.

1,468,342. INSECTICIDE. CHARLES D. CASSADY, Orlando, Fla. Filed Apr. 2, 1921. Serial No. 458,021. 2 Claims. (Cl. 167—6.)

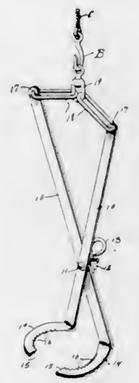
2. The herein described insecticide composition in quantities approximately in the proportion of carbolic acid sixteen ounces, paraffin oil twenty-eight ounces, caustic soda fourteen ounces, red oil forty ounces and oil of mirbane thirty ounces.

1,468,343. PROCESS OF PRODUCING VERMICULATED WORK. JOHN HENRY DELANEY, San Francisco, Calif. Filed June 14, 1922. Serial No. 568,361. 6 Claims. (Cl. 91—68.)

1. The herein described process of producing vermiculated work upon the surface of plastery materials, which consists in embedding in the surface of the plastery material before the same has set particles of material capable of generating gas in the presence of moisture to thereby produce voids in the surface of the plastery material for the purpose of ornamenting the same.

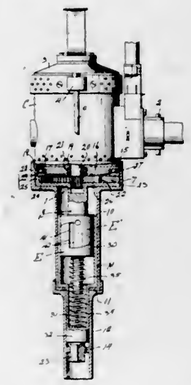
6. The herein described process of producing an imitation of natural travertine which consists in subjecting plastic materials to the action of calcium carbide and arranging said carbide with respect to an intended order of the plastic materials upon a mold so that a chemical reaction is set up through contact with said carbide of moisture contained in said plastic materials to thereby cause produced gases in confinement with said plastic materials to form voids therein and upon the exposed surface of the finished product in simulation of voids in the natural travertine, permitting the plastic materials to harden and set, and finally subjecting the hardened mass to the action of a cleansing agent to remove the residue of the chemical therefrom.

1,468,344. PIPE LIFTER. CARL E. ECKERT, Mason, Tex. Filed Sept. 6, 1922. Serial No. 586,518. 2 Claims. (Cl. 294—118.)



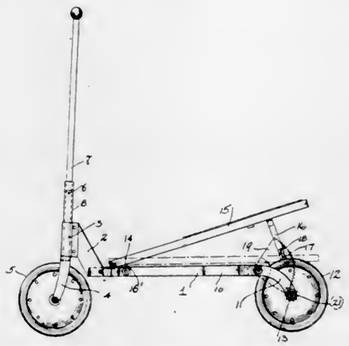
1. A lifting tongs of the character described comprising a pair of elongated levers pivoted in crossed relation and terminating at their lower ends in laterally extending arcuate jaws having their confronting faces sharpened to an edge and toothed, and means connected with the upper ends of the levers for drawing them together.

1,468,345. COMBINED HAMMER AND ROTARY DRILL. ROBERT Z. FARMER, Portland, Oreg., assignor to Automatic Electric Brake Company, a Corporation of Oregon. Filed Oct. 18, 1920. Serial No. 417,645. 2 Claims. (Cl. 255—36.)



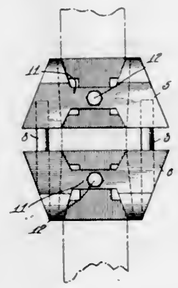
2. A device of the class described comprising a drive shaft, a plate through which said shaft extends, means for holding the plate against rotation, gears rotatably supported by the plate and operatively engaged with the drive shaft, a driven shaft provided with a head, said head having an internal gear with which the first named gears are engaged, an operating member loosely mounted upon the driven shaft, means for urging said operating member in one direction under force, coacting means carried by the driven shaft of the operating member for intermittently imparting movement to the operating member in the opposite direction, and means for holding the operating member substantially against rotation when reciprocated, said driven shaft and operating member rotating in unison when said last named means is inoperative.

1,468,346. CHILD'S VEHICLE. JAMES GEDEON and WILLIAM MILLER, Cleveland, Ohio. Filed Jan. 16, 1922. Serial No. 529,552. 6 Claims. (Cl. 208—37.)



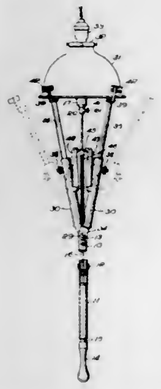
1. In a child's vehicle of the character described, the combination of a frame, a rear wheel secured thereto, a pedal member pivotally attached to said frame, a quadrant gear pivotally mounted on said frame and connected to operate said rear wheel in one direction only, and a link attached to said pedal and said quadrant and having a lost motion connection to said quadrant.

1,468,347. SKATE SHARPENER. FORREST GLEN GRAVES, McCook, Nebr. Filed Apr. 17, 1922. Serial No. 553,471. 1 Claim. (Cl. 76—83.)



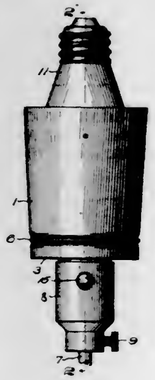
In a skate sharpening device, a body portion including opposed sections, said sections adapted to move with respect to each other, said sections having file receiving openings, set screws carried by the sections and adapted to engage a file positioned in the file receiving opening to hold the sections in spaced relation with each other, the space between the adjacent walls of the opposed section providing a clearance to permit a skate blade to be passed therebetween.

1,468,348. LAMP-BULB INSTALLING AND REMOVING DEVICE. HAROLD D. GRINNELL, Pittsfield, Mass., assignor to The G. C. A. Manufacturing Company, Pittsfield, Mass., a Corporation of Massachusetts. Filed May 17, 1922. Serial No. 561,717. 10 Claims. (Cl. 294—21.)



1. In a device of the class described, in combination with a support, separate cooperative clamping mechanisms movably mounted on the support for application to separate objects.

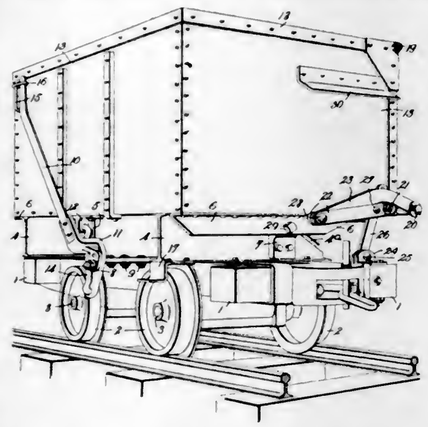
1,468,349. CLUTCH. HAROLD D. GRINNELL, Pittsfield, Mass., assignor to The G. C. A. Manufacturing Company, Pittsfield, Mass., a Corporation of Massachusetts. Filed May 17, 1922. Serial No. 561,718. 10 Claims. (Cl. 294—21.)



1. In a clutch, a body having flexible endless side walls and a frusto-conical receiving chamber, said side walls being effective to distribute localized stresses throughout its circumference without enlarging the measure of the circumference.

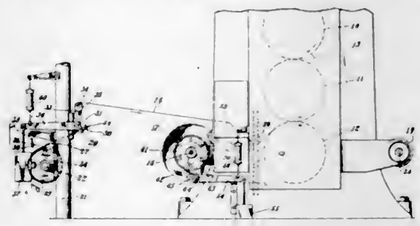
1,468,350. RAILWAY DUMP CAR. ELLIS L. HALE and HARRY GLEN COULSON, Wallace, Idaho, assignors to Coeur D'Alene Hardware & Foundry Co., Wallace, Idaho. Filed Aug. 28, 1922. Serial No. 584,606. 8 Claims. (Cl. 105—274.)

1. In a dump car, a truck, an end pair of body supports and a middle body support mounted on said truck, a body pivoted to said end supports, a dumping lever pivoted to said middle support, a link connecting said



lever to said body and a link on said body detachably engaging said lever to hold it.

1,468,351. METHOD AND APPARATUS FOR STRETCHING TEXTILE MATERIAL. HIRAM D. AYRES, Akron, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y., a Corporation of New York. Filed Feb. 9, 1920. Serial No. 357,314. 13 Claims. (Cl. 91—68.)



2. The herein-described method which comprises ascertaining the total stretchability of a fibrous thread fabric stretching said fabric by an amount bearing a determinate relation to its total strechability, and applying to the stretched fabric a plastic substance which preserves the stretch.

8. In the treating of woven fabric whose warp threads are crimped to a greater extent than its filler threads, the method which comprises stretching the fabric lengthwise of its warp until the amount of crimp of the filler threads substantially equals that of the warp threads, and while thus stretched, frictioning a coat of rubber on the fabric.

11. In a fabric-stretching machine, the combination of a roller calendering apparatus having means for propelling a sheet of fabric and applying a plastic coating thereto, a let-off roller for supplying the fabric, a brake for said roller, and means responsive to the tension on the fabric for controlling said brake.

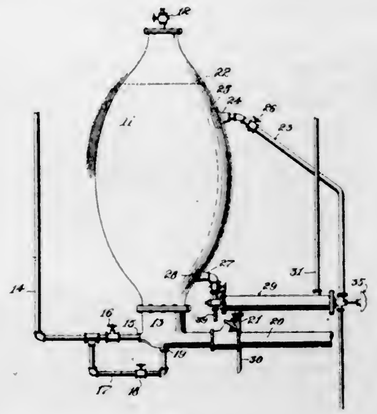
1,468,352. SEAL. EDWARD J. BROOKS, East Orange, N. J. Filed Jan. 27, 1922. Serial No. 532,195. 1 Claim. (Cl. 292—310.)

A seal part composed of a cup-shape member provided with a central opening in its front and back face, the walls of said member forming two pairs of opposed lips arranged at right angles to each other on the same side



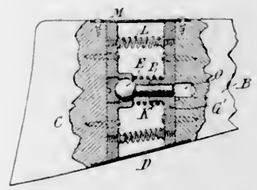
of the member, and a central filling member occupying the central opening to completely fill the same and thereby prevent the insertion of a tool for prying open the lips.

1,468,353. METHOD OF AND APPARATUS FOR TREATING LIQUIDS. CHARLES M. BULLARD, Appleton, Wis. Filed Dec. 4, 1920. Serial No. 428,410. 6 Claims. (Cl. 92—7.)



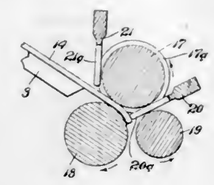
1. A method of treating a liquid in a container consisting in forming a stream of liquid in circuit with the container, passing the stream of liquid through a heating element to heat the liquid in the stream, and mechanically violently agitating the liquid while the liquid is in direct contact with the heating element.

1,468,354. ADJUSTABLE GUN STOCK. JOHN F. CARETTO, Brooklyn, N. Y. Filed Dec. 7, 1922. Serial No. 605,435. 5 Claims. (Cl. 42—74.)



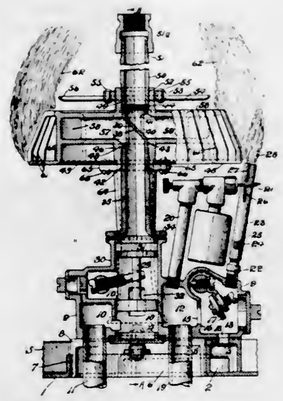
1. A gun having an adjustable stock and resilient means tending to maintain the gun and stock in their normal position.

1,468,355. METHOD OF PISTON-RING MANUFACTURE. CHARLES E. CARSON, Allegan, Mich., assignor of one-fifth to Frederick E. Royce, Grand Rapids, Mich. Filed Apr. 13, 1922. Serial No. 552,205. 5 Claims. (Cl. 29—156.6.)



1. The herein described method of making piston rings which consists in compressing a ring having a cross section larger than the completed ring to a smaller size in cross section substantially as described.

1,468,356. GAS BURNER. DWIGHT S. COLE, Grand Rapids, Mich. Filed June 13, 1921. Serial No. 477,001. 11 Claims. (Cl. 158—99.)

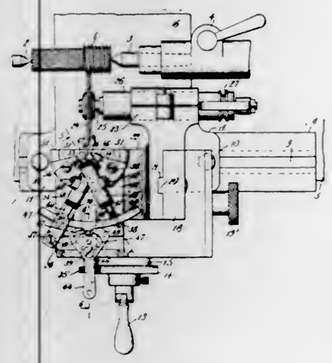


10. In combination with a vertical inlet water pipe, a burner horizontally located at and around the upper end of said pipe, an annular water passage in said burner with one end of which the pipe connects, a riser pipe connected with the opposite end of said passage, said burner also including an annular chamber around the water passage formed with openings in its bottom wall and with a consecutive series of vertical slots spaced apart in its outer wall, mixing tubes connected to and depending from the burner, one at each of said openings in the bottom wall of the annular chamber, and gaseous fuel nipples located at the lower ends of the mixing tubes, substantially as described.

1,468,357. WHEEL-TRIMMING DEVICE. MATTHEW S. CUMNER, New York, N. Y., and FREDERICK W. GEISSENHAINER, Freehold, N. J., assignors to Nestor Manufacturing Company, Inc., New York, N. Y., a Corporation of New York. Filed June 16, 1919. Serial No. 304,665. 23 Claims. (Cl. 125—11.)

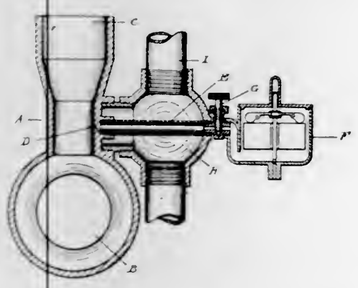
1. In a wheel trimming device, a plurality of dressing tools angularly disposed with relation to each other and

movable in intersecting paths, and common control means manually operated for simultaneously actuating said



dressing tools in opposite directions with reference to each other.

1,468,358. CARBURETOR. BAYLIS M. DAWSON, Brooklyn, N. Y., assignor to Oscar Coolican, trustee, New York, N. Y. Filed July 12, 1918. Serial No. 244,552. 2 Claims. (Cl. 48—107.)



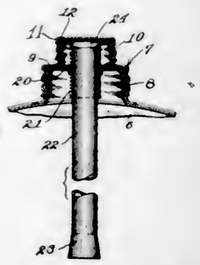
1. In a carburetor, a Venturi tube, a vapor generating member having a fuel nozzle discharging into the contracted portion of said tube, and a casing surrounding said tube and surrounding said fuel nozzle having registering openings in which the extremity of the venturi member are engaged and having a transverse opening for the admission through said casing of a heating medium.

1,468,359. CLOSURE FOR DISCHARGE APERTURES IN PACKAGES. WILLIAM F. DOWNING, Jr., St. Clair, Mich. Filed Nov. 6, 1922. Serial No. 599,360. 7 Claims. (Cl. 221—11.)



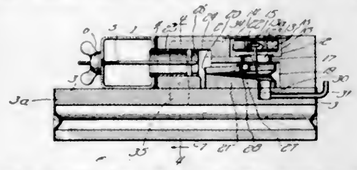
1. The combination with a receptacle having a pouring aperture therein, of a closure for said aperture having inwardly extending side wings, the opposite ends of said wings being movable transversely of the sides of said aperture to permit either end of the closure to be opened.

1,468,360. ATTACHABLE SPOUT FOR LIQUID CONTAINERS. SIGMUND FREY, Los Angeles, Calif. Filed Jan. 9, 1922. Serial No. 527,976. 3 Claims. (Cl. 221—27.)



1. A discharge spout, comprising a screw-threaded cap provided with a neck and with a flange extending inwardly from the neck, said flange having a hole, a collar mounted in said hole, a tube in sliding contact with the collar, and a second cap detachably fitting the neck.

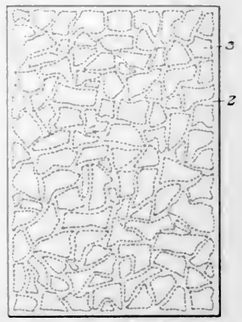
1,468,361. PNEUMATIC ACTION. ADOLPH P. GUSTAFSON, Chicago, Ill., assignor to M. Schulz Company, Chicago, Ill., a Corporation of Illinois. Filed Nov. 28, 1919. Serial No. 341,146. 11 Claims. (Cl. 84—53.)



1. The combination of a windway member, a valve holding structure at the side of the windway member and means for connecting said member and structure together comprising a tubular member fitted in one wall of the windway member and also fitted in the adjacent side of the valve containing structure, said tubular member also forming a duct between said windway member and the interior of said structure.

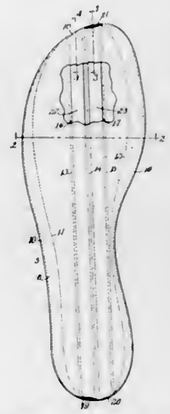
9. In a pneumatic action, a structure comprising one of the members of an operating pneumatic, said pneumatic being of substantially greater length than width and being hinged upon one of its long sides.

1,468,362. SAFE OR VAULT PLATE. MINER L. HARTMANN, Niagara Falls, N. Y., assignor to The Carborundum Company, Niagara Falls, N. Y., a Corporation of Pennsylvania. Filed Apr. 25, 1922. Serial No. 556,484. 3 Claims. (Cl. 109—1.)



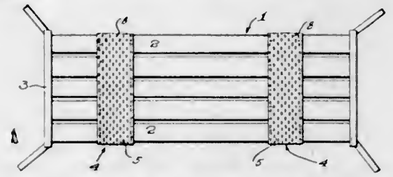
1. As a new article of manufacture, a safe or vault plate formed of cast metal having embedded therein fragments of chromite.

1,468,363. INNERSOLE. ELVIN A. HOWE, Boston, Mass. Filed June 1, 1922. Serial No. 565,187. 2 Claims. (Cl. 36—44.)



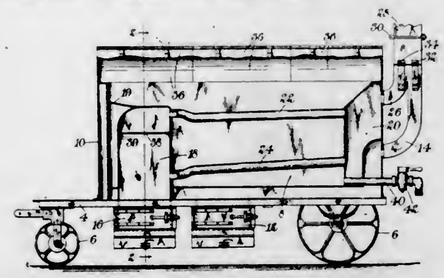
1. An inner sole provided with a plurality of pockets extending longitudinally thereof, an open end of one pocket being located adjacent to a closed end of another pocket, and stiffeners loosely mounted within said pockets and removable therefrom.

1,468,364. AUTOMOBILE AND VEHICLE TRACK FOR BRIDGES. CARL O. JOHNSON, Havelock, Nebr. Filed Dec. 27, 1922. Serial No. 609,206. 1 Claim. (Cl. 238—4.)



In a vehicle track for bridges, spaced metal strips or tracks secured to the floor of the bridge, a plurality of lines of parallel projections thereon pointed at each end and all extending longitudinally of said metal strips or tracks and breaking joint with one another, said projections curved outwardly from each end and having their sides and ends curved upwardly to a point at the middle of the projections.

1,468,365. HEATER FOR BITUMEN OR OTHER MATERIALS. JAMES THOMAS MITCHELL JOHNSTON, London, England. Filed Sept. 26, 1922. Serial No. 590,718. 6 Claims. (Cl. 126—343.5.)

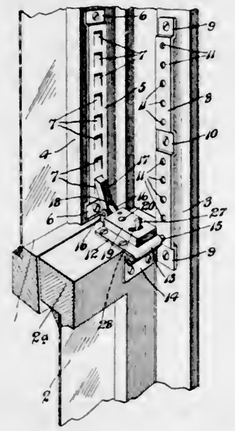


1. In apparatus for melting and heating bitumen or like material, the combination of a cauldron for containing molten material, a plurality of tubes constituting a grid-like melting device situated above the level of the material in the cauldron, which device is adapted to retain solid or semi-solid material upon it and to permit melted material to flow through it into the cauldron, a furnace for heating the cauldron, flues in said cauldron below the normal level of the molten material therein, a second furnace arranged to heat the cauldron, and means for supplying furnace gases from said second furnace through said flues and the tubes of said melting device in parallel, substantially as described.

1,468,366. PROCESS FOR THE PREPARATION OF SODIUM DECABORATE OR THE LIKE DIRECT FROM BORON ORES. ALBERT ANDREW KELLY, London, England. Filed Sept. 16, 1920. Serial No. 410,785. 10 Claims. (Cl. 23—13.)

1. The process herein described for the manufacture of alkali metal decaborate from boron ores according to which any necessary adjustment of the alkali metal content is made to produce the desired decaborate, the ore is then mixed with water, heated and subjected to the action of carbon dioxide the excess of carbon dioxide is then boiled off, the insoluble matter remaining is filtered off, and the decaborate recovered in the known manner from the filtrate.

1,468,367. WINDOW LOCK. ERNST G. LANCE, Detroit, Mich., assignor of one-half to Otto C. Russ, Lake Odessa, Mich. Filed May 13, 1921. Serial No. 469,081. 3 Claims. (Cl. 292—5.)

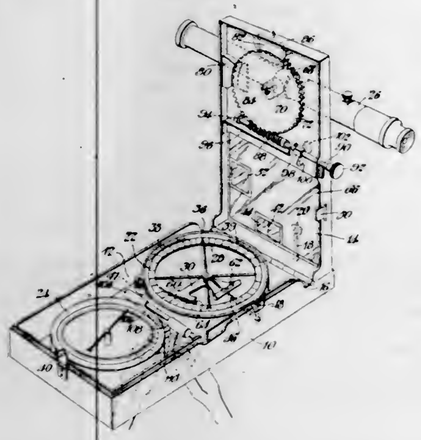


1. A lock for windows, comprising a base plate formed at one end with a sleeve and at its other end with a pair of upturned ears, a dog pivotally mounted between said ears, a housing positioned over and secured to the base plate, a spring on the housing acting on the dog, a locking pin slidably mounted in the sleeve, a pin attached to the locking pin and extending upwardly through a slot in the sleeve, a lever pivotally mounted on the upper side of the base and formed at one end with a fork to receive the last mentioned pin and at its opposite end with an upturned lip adapted to come directly against the lower end of the dog in one position of the lever, and an operating handle extending upwardly from the lever through a slot in the housing.

1,468,368. SURVEYING INSTRUMENT. GEORGE D. MORGAN, New York, N. Y. Filed June 11, 1920. Serial No. 388,168. 8 Claims. (Cl. 33—46.)

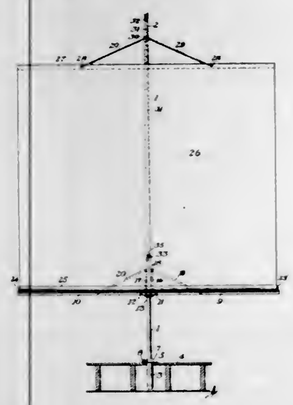
1. A surveying instrument comprising a case, a compass and a leveling bubble tube mounted in said case, a

sighting device so arranged in relation to said level and said compass that inclinations and directions may be



observed, a rotatable telescope mounted on said casing indepenedently of said sighting device for checking readings of said compass needle and said level.

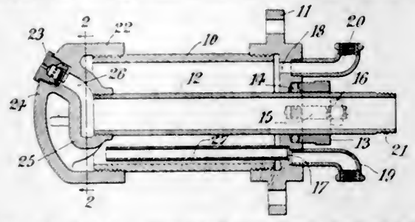
1,468,369. SCREEN. JAMES T. MOLTRUP, Beaver Falls, Pa. Filed Sept. 27, 1921. Serial No. 503,597. 12 Claims. (Cl. 88—24.)



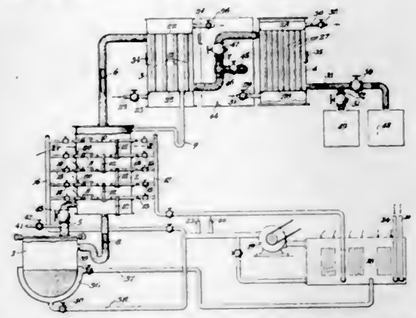
1. In a device of the character described, the combination of a mast, members pivotally supported by said mast, and a sheet roller carried by said members.

1,468,370. NEBULIZER OF LIQUIDS. ALBERT W. MORSE, Forest Hills, N. Y., assignor to the Anthony Company, Long Island City, N. Y., a Corporation of New York. Filed June 21, 1919. Serial No. 305,927. 4 Claims. (Cl. 299—141.)

1. In a nebulizing device, an inlet passage for the liquid to be nebulized, a water jacket surrounding the said inlet passage, and a cap connected to the outlet ends of, respectively, the water jacket and the inlet passage, the said cap comprising a manifold, a plurality of outlets, the said manifold connecting the said inlet passage with the said outlets, and circulating passages within the said manifold communicating with said water jacket.

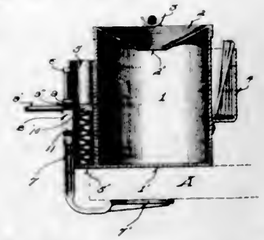


1,468,371. PROCESS OF REFINING CAMPHOR. ROLAND L. ANDREAU, Wilmington, Del., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a Corporation of Delaware. Filed July 17, 1920. Serial No. 396,880. 10 Claims. (Cl. 260—133.)



1. The process of refining crude camphor, including two constituents of different boiling points, which comprises heating the camphor to vaporize the constituent of lower boiling point, collecting the entrained constituent of higher boiling point in a series of liquid layers, passing the vapor through said layers and at the same time supplying heat to said layers in addition to that supplied by said vapor and in amount sufficient to insure the non-condensation of said vapor but insufficient to vaporize the constituent of higher boiling point, returning the excess liquid from said layers to the body of impure camphor, and condensing the vapor of the constituent of lower boiling point.

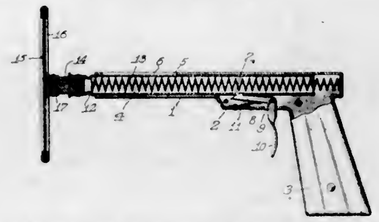
1,468,372. ASH RECEIVER. ALFRED W. BENDLIN, Milwaukee, Wis. Filed Apr. 18, 1922. Serial No. 554,862. 2 Claims. (Cl. 131—51.)



2. A portable ash tray comprising a closed bottom receiver, having a tubular extension provided with a longitudinal slot, a back-bone slidably mounted in the tube slot,

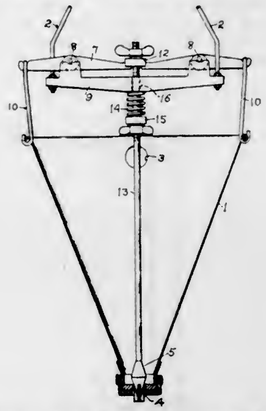
having a gripping jaw extending therefrom and associated with the bottom of the receiver, and a coil spring mounted in the tube and exerting pressure in one direction upon the back-bone.

1,468,373. FLY-SWATTING DEVICE. GEORGE W. BLAKE, Wyandotte, Mich., assignor to The George W. Blake Manufacturing Company, Wyandotte, Mich., a Corporation of Michigan. Filed Feb. 24, 1919. Serial No. 278,645. 1 Claim. (Cl. 43—135.)



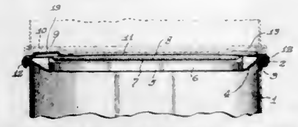
In a fly-swatting device having a casing with a contour of pistol type including grip and barrel, a swatting unit supported in and by the casing barrel and movable bodily in the direction of the barrel axis, said barrel and unit having complemental means for limiting the length of unit movement, a trigger element co-operating with the unit to temporarily retain it at the inner limit position, and an expansion spring operative to shift the unit toward its outer limiting position upon trigger actuation, said unit comprising a tubular member having a sliding bearing in the casing barrel and having an open rear end, said member having a depressed portion positioned intermediate the member ends and at a point permanently exposed said depressed portion dividing the interior of the member into front and rear communicating sections with the rear section adapted to contain the expansion spring, a resilient cushion extending into the front section, the wall of said depressed portion forming an abutment to maintain the spring and cushion in permanently spaced relation, the spacing being substantially equal in each of the positions of the unit, and a swatting element carried by the cushion.

1,468,374. TAILINGS CONE. HENRY KENYON BURCH, Los Angeles, Calif. Filed July 27, 1922. Serial No. 578,001. 2 Claims. (Cl. 210—51.)



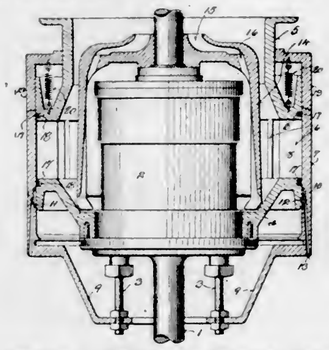
1. A device for separating water from solids in tailings, comprising a cone having an overflow near its upper end and a sand outlet at its lower end, a valve for said outlet, provided with a stem, suspension means for said cone, weighing levers mounted on said suspension means and engaging said valve stem, said cone being suspended from said levers so as to cause opening of the valve by the operation of the weight of the cone and its contents on said levers, and spring means operating on said levers so as to tend to close said valve.

1,468,375. CAN-TOP FASTENER. AMOS G. CANBY, Detroit, Mich. Filed Mar. 27, 1922. Serial No. 547,032. 3 Claims. (Cl. 220—57.)



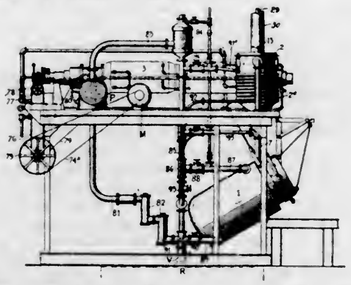
1. The combination of superposed cans, each can having an inset bottom, and a lid fastener on each can engaging in the inset bottom of the can above it to center said can relative to its supporting can.

1,468,376. DEWATERING MACHINE. HENRY BURDETT CLEVELAND, East Schodack, N. Y. Filed Oct. 8, 1921. Serial No. 506,368. 7 Claims. (Cl. 233—20.)



1. A machine of the character described, having a separation chamber including a single peripheral wall provided with perforations and means for moving said peripheral wall axially to bring the said perforations in and out of communication with the separation chamber and convert said wall from an imperforate wall to a perforated wall.

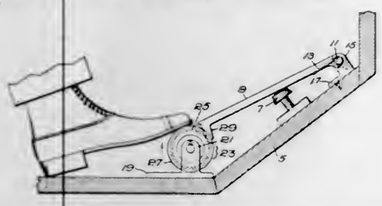
1,468,377. METHOD AND APPARATUS FOR PURIFYING CAMPHOR. JASPER E. CRANE and EVARTS G. LOOMIS, Newark, N. J., assignors to E. I. du Pont de Nemours and Company, Wilmington, Del., a Corporation of Delaware. Filed Mar. 23, 1918. Serial No. 224,134. 6 Claims. (Cl. 260—133.)



6. The method of purifying camphor which comprises confining and heating the crude camphor to a vaporizing temperature and maintaining the temperature long

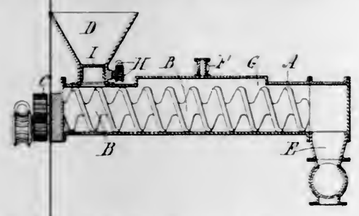
enough to decompose the impurities in the crude camphor, scrubbing the camphor fumes through liquid camphor, and condensing them while continuously removing the condensate.

1,468,378. THROTTLE-OPERATING DEVICE. EDWARD N. CUMMINGS, Amesbury, Mass. Filed June 26, 1922. Serial No. 570,838. 5 Claims. (Cl. 74—81.)



1. In combination with a depressible throttle operating device, a lever overlying the same, a sector gear on the lever, a pinion meshing therewith and presenting a tread whereby it may be rotated by the foot.

1,468,379. SCREW CONVEYER. ROWLAND WILLIAM EASTON, London, England, assignor of one-half to John Leslie Cloudsley and Oswald Cloudesley, both of London, England. Filed June 2, 1920. Serial No. 385,952. 4 Claims. (Cl. 202—9.) (Granted under the provisions of the act of Mar. 3, 1921, 41 Stat. L., 1313.)



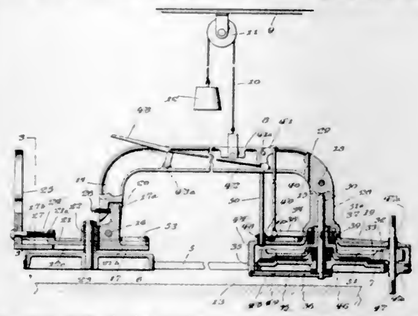
4. In a retort, a retort body having restricted inlet and outlet portions of substantially the same size and an enlarged intermediate body, and rotating means closely fitting the ends of the body for positively forcing material therethrough, substantially as described.

1,468,380. TACKY CLOTH. ALBERT F. FRENCH, Detroit, Mich.; Mary A. French administratrix of said Albert F. French, deceased. Filed Aug. 22, 1921. Serial No. 494,353. 6 Claims. (Cl. 87—5.)

1. A tacky cloth made of a piece of fabric impregnated with gum thus and turpentine.

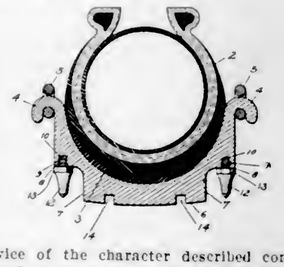
1,468,381. BAND SAW. DANIEL F. GREEN, Portland, and JOHN F. STEDMAN, Tigard, Oreg.; said Green assignor to said Stedman. Filed Nov. 26, 1921. Serial No. 517,933. 2 Claims. (Cl. 143—19.)

1. A band saw machine comprising an inverted U-shaped frame having downwardly extending legs, a band wheel support pivoted on one of the legs of said frame, a band wheel carried by said support, a tilting member pivoted to the remaining leg of the frame and having an upstanding lug projecting above the pivot of said member, an adjusting screw passing through the frame and engaging said lug, a slide on said tilting member provided with a bearing at one end and an upstanding lug at the other, guides on the tilting member for guiding said slide in movement toward and from the first mentioned band wheel support, an arm projecting upward from the outer end of the tilting member, an adjusting screw passing through said arm and screwed into the lug on the slide whereby to move the slide in the guides, a shaft mounted in said bearing, a band wheel mounted on said shaft, and an arm band extending upward from



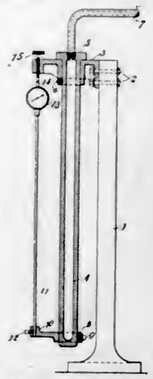
the rear end of the tilting member whereby the band may be slid through the arm band to grasp the frame and manipulate the same.

1,468,382. ANTISKID DEVICE. MORRIS GREEN, Southbridge, Mass. Filed Apr. 18, 1922. Serial No. 554,772. 2 Claims. (Cl. 152—14.)



1. A device of the character described comprising a plate adapted to fit transversely of a tire and having grooves formed transversely of its face to provide road engaging shoulders to prevent lateral slipping of the plate, said plate being further formed at its sides with depressed seats, and gripping members projecting from the seats to engage the road as the plate is tilted by biting of the shoulders thereinto on lateral slipping.

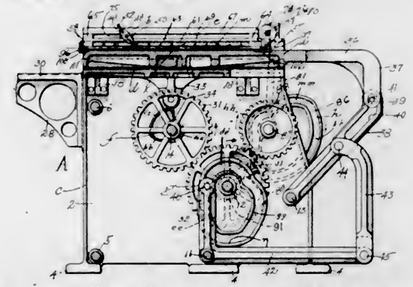
1,468,383. PRESSURE GAUGE. ALBERT E. GUY, U. S. Army. Filed Sept. 21, 1921. Serial No. 502,297. 5 Claims. (Cl. 73—31.) (Filed under the act of Mar. 3, 1883, 22 Stat. L., 625.)



1. A pressure gauge, including a support, a bracket secured to the support, said bracket being apertured, a cylinder inserted through the aperture in the bracket and

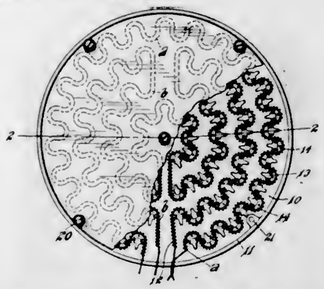
hung from the bracket, said cylinder fomed with a peripheral annular flange at its upper end and resting on the brocket, a collar encircling the cylinder at its lower end and rigidly secured thereto, said collar formed with an extension, a rod having its lower end secured to the extension, an indicator secured to the upper end of the rod, an adjusting screw threaded through the bracket and engaging the indicator and operable to set the same, and a pipe communicating with the interior of the cylinder through the upper end thereof.

1,468,384. STENCIL-PRINTING MACHINE. HARRY W. HAHN, Los Angeles, Calif., assignor to David A. Coleman Co., Inc., Los Angeles, Calif., a Corporation of California. Filed Dec. 3, 1921. Serial No. 519,612. 23 Claims. (Cl. 101—123.)



1. A stencil printing machine, comprising a frame, a bed plate and a platen carried thereon, a stencil and a scraper adapted to be passed over said stencil to force ink through said stencil; there being means for raising and lowering said bed plate and platen, and means for moving said platen from beneath the stencil, so that an article to be stenciled may be placed on said platen.

1,468,385. ELECTRICALLY-HEATED UTENSIL. JOSEPH F. LAMB, New Britain, Conn., assignor to Landers, Frary & Clark, New Britain, Conn., a Corporation of Connecticut. Filed June 11, 1919. Serial No. 303,518. 42 Claims. (Cl. 219—37.)



11. In a electrically heated device, a hot plate, spaced apart projections integral with and depending from said hot plate, a separate externally grooved heat conducting electrical insulator for each projection and contacting at one end against the hot plate, each of said insulators having a notch in which the projections are positioned and adjacent insulators being positioned on opposite sides of the projections so that the grooved surfaces of the insulators are in staggered relation, and a resistance wire supported under tension in the grooves of said insulators.

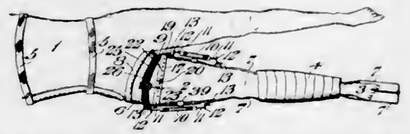
1,468,386. HEAD-LIFTING DETECTOR FOR GOLFERS. JAMES M. MACDONALD, East Orange, N. J. Filed Aug. 23, 1922. Serial No. 583,763. 4 Claims. (Cl. 46—4.)

1. A device for golf players of the kind herein described comprising in combination a frame adapted to be worn like a pair of spectacles, a transverse guide carried thereby somewhat out of the direct line of vision and an object



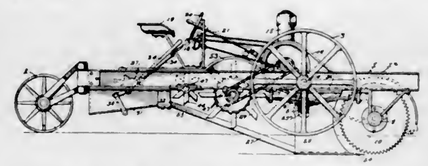
adapted to travel along such guide from one side of the same when such guide is inclined to the horizontal.

1,468,387. SPLINT FOR THE SETTING AND RETAINING IN PLACE OF FRACTURES OF THE LONG BONES OF THE LIMBS. HARVEY C. MASLAND, Philadelphia, Pa. Filed Mar. 3, 1921. Serial No. 449,409. 7 Claims. (Cl. 128—85.)



1. A splint which comprises a bendable member firmly attachable above the fracture, a bendable member firmly attachable below the fracture, connecting elements extending from said members, and an adjustable brace connecting opposing splint parts.

1,468,388. GROUND CLEARING AND AERATING MACHINE. JAMES ELWOOD MOORE, Sarasota, Fla. Filed June 7, 1921. Serial No. 475,715. 6 Claims. (Cl. 97—10.)



1. In a device of the class described, the combination of a frame mounted to travel over the ground; a substantially horizontal root cutter mounted on said frame for travel below the surface of the ground, and comprising a plurality of pairs of converging stationary blades, a portion of one blade of each pair extending behind its companion blade in spaced relation thereto; a substantially vertical cutter mounted on said frame in position to penetrate the ground and cooperate with said horizontal cutter for sweering and disengaging plant roots from the ground; a motor on said frame; and means operatively connecting said motor with said vertical cutter for imparting a cutting movement to the latter.

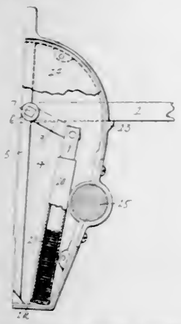
1,468,389. METHOD OF CONCENTRATING BRINES. HARRY W. MORSE, Stanford University, Calif., assignor to West End Chemical Company, Oakland, Calif., a Corporation of California. Filed Sept. 6, 1921. Serial No. 498,868. 8 Claims. (Cl. 23—22.)

1. The method which consists in controlling the sulfate content of Searles Lake brine during solar evaporation by the use of a brine high in carbonate to start the pond operation, and the gradual addition of raw brine concentrated by preliminary evaporation at such a temperature as will prevent the separation of solid potassium salts, to the prepared brine, the operation being so conducted that the original high carbonate and low sulfate content are restored by evaporation before further addition of raw brine to the pond.

1,468,390. METHOD OF CONCENTRATING BRINES. HARRY W. MORSE, Stanford University, Calif., assignor to West End Chemical Company, Oakland, Calif., a Corporation of California. Filed Sept. 6, 1921. Serial No. 498,869. 4 Claims. (Cl. 23—22.)

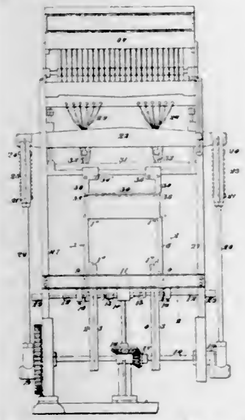
1. The method of treating Searles Lake brine which consists in making a prepared brine by removing a portion of the sulfate content thereof by heating the brine in the presence of solid sodium chloride, then subjecting the brine to solar evaporation to produce a brine high in carbonate, and then adding brine containing substantially the full potassium salt content of the Searles Lake brine concentrated by preliminary evaporation at such a temperature as will prevent the separation of solid potassium salts, to the prepared brine, and again evaporating to restore the high carbonate content of the brine.

1,468,391. BALANCED OVEN DOOR. CHARLES B. MOSSI, Brooklyn, and HENRY ALEXANDER CHEVOLA, New York, N. Y. Filed Mar. 17, 1923. Serial No. 625,841. 2 Claims. (Cl. 126—191.)



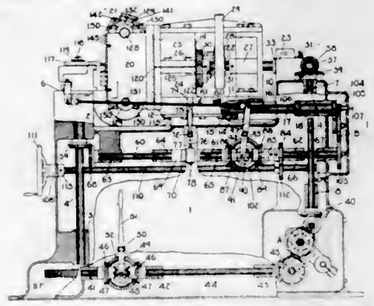
1. Balancing means for doors comprising a frame adapted to pivotally carry a door, an arm, one end of which is adapted to engage a door, the free end extending outwardly, a plunger pivotally secured to the free end of the arm, a second piece co-operating with the plunger, a spring bearing on the plunger and second piece tending to normally force them in opposite directions, said second piece being pivotally mounted on the frame.

1,468,392. TABLE FOR BOX-NAILING MACHINES. GEORGE D. PARKER, Riverside, Calif. Original application filed Jan. 5, 1922, Serial No. 527,065. Divided and this application filed July 25, 1922. Serial No. 577,378. 9 Claims. (Cl. 1—15.)



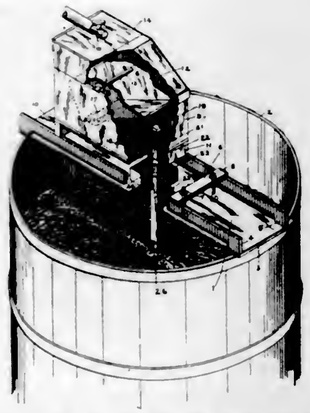
8. In a box nailing machine, the combination with spaced groups of nailing bases, each of which comprises a series of independently vertically adjustable bases held in parallelism, a laterally adjustable bearing for each of said groups, a spring held horizontally disposed shaft for each bearing, and means interposed between said shafts for actuating the same to shift the position of the groups laterally during the operation of the machine.

1,468,393. RACK-BROACHING MACHINE. JULIAN L. PERKINS, West Springfield, and HIRAM D. CROFT, Springfield, Mass., assignors to Perkins Appliance Company, Springfield, Mass., a Corporation of Massachusetts. Filed July 22, 1921. Serial No. 486,881. 55 Claims. (Cl. 90—1.)



1. In a rack-broaching machine, means to actuate the work intermittently, and a cutting element passing continuously through a straight path in operative position relative to the work.

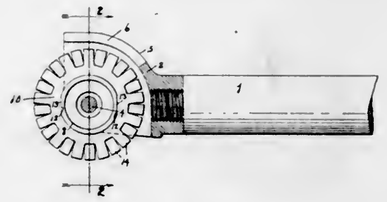
1,468,394. MEANS FOR FEEDING VINEGAR STOCK INTO VINEGAR GENERATOR. EDWARD G. PFAHL, Rochester, and JULIUS A. PFAHL, Greece, N. Y. Filed Feb. 14, 1922. Serial No. 536,497. 7 Claims. (Cl. 99—17.)



1. The process of feeding vinegar stock into a vinegar generator which consists in feeding the stock into the generator and spraying it uniformly from the center of the generator with an increasing and decreasing pressure.

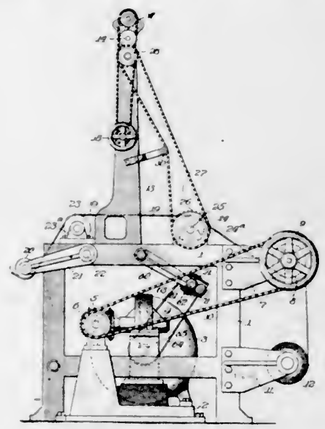
2. In a feeding mechanism for feeding vinegar stock the combination of a stationary container, a tipple mounted to rock in said container, said tipple being adapted to be continuously filled, and means adapted to hold said tipple in a predetermined position to allow the liquid running into the tipple to overbalance said tipple with a predetermined volume contained therein and automatically empty the contents thereof into said container, a stand pipe leading out of said container, a spraying device on the end of said stand pipe adapted to distribute the vinegar stock at a uniform rate over a large area.

1,468,395. EMERY-WHEEL DRESSING TOOL. ROLAND P. PLACE, Midland, Mich., assignor to Roland P. Place Company, Midland, Mich., a Corporation of Michigan. Filed Sept. 14, 1921. Serial No. 500,609. 5 Claims. (Cl. 125—37.)



1. In a dressing tool, a holder and a shaft therein, a sleeve mounted on the shaft and having a threaded end, a shoulder at the other end and a body between the threaded end and shoulder formed with flats, a nut on the threaded end, and outer disks fitting on said body and having an uneven number of teeth, the teeth of adjacent disks alternating.

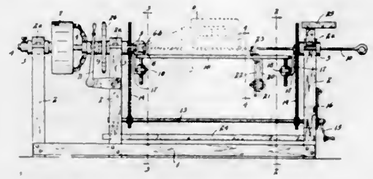
1,468,396. SELVAGE TRIMMER. EDWARD D. PUTT, Akron, Ohio, assignor to The Firestone Tire and Rubber Company, Akron, Ohio, a Corporation of Ohio. Filed Oct. 22, 1919. Serial No. 332,463. 12 Claims. (Cl. 164—61.)



1. In a machine for trimming selvage from a moving strip of fabric, a movable knife carrying frame, a knife on said frame, a tracker contacting the edge of the fabric in front of the knife, and means operated by the tracker to cause movement of the frame to correspond to the lateral movement of the fabric edge, said means comprising a pivoted frame, a roller on said frame contacting the surface of the fabric and connections from the trackers to the frame whereby the angular relation of the roller relative to the knife is changed by movement of the tracker.

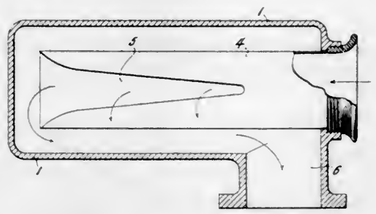
1,468,397. MACHINE FOR HANDLING MOTORS AND TESTING BEARINGS THEREOF. AUGUST T. RADKE and JOHN KLANCKE, Hamburg, Minn. Filed Apr. 13, 1922. Serial No. 552,286. 11 Claims. (Cl. 29—1.)

1. A device of the class described having in combination, a frame, spaced axially alined supporting means thereon adapted to receive and support a motor shaft, a frame disposed at one side of the axis of said supporting



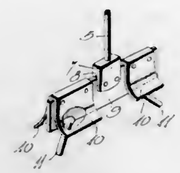
means and mounted for independent rotation about said axis adapted to support the motor frame.

1,468,398. INTAKE SILENCER FOR INTERNAL-COMBUSTION ENGINES. JOHN REED, Corbridge-on-Tyne, England. Original application filed May 6, 1921, Serial No. 467,484. Divided and this application filed Nov. 21, 1922. Serial No. 602,418. 3 Claims. (Cl. 137—160.)



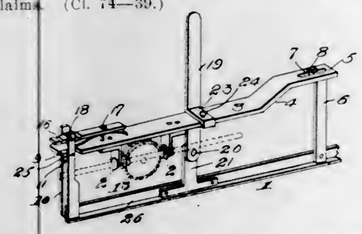
1. In a device for silencing rapidly flowing gases entering an internal combustion engine, an elongated outer casing of substantially uniform diameter throughout its length, one end of which casing is closed and the other end in communication with the induction pipe of the engine, in combination with a tube traversing nearly the whole length of said casing, said tube being at one end open to the atmosphere and at the other end open to the interior of said casing adjacent the closed end thereof, and said tube being formed with a slot, which slot increases in width as it approaches the inner end of said tube.

1,468,399. WASHING MACHINE. WILLIAM N. RETTINGER, Bourbon, Ind. Filed Jan. 25, 1922. Serial No. 531,705. 3 Claims. (Cl. 259—101.)



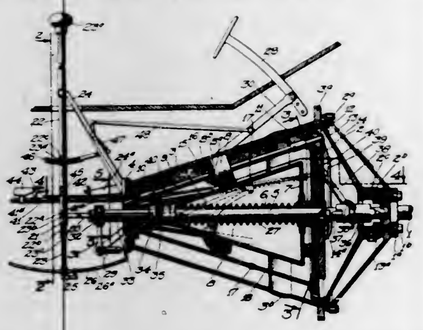
1. In a machine of the class described, the combination with a receptacle, and a cover on said receptacle, of a stirrer device rotatably mounted on said cover, said stirrer device comprising a board, fingers depending from said board adjacent its ends, V-shaped wings straddling the end portions of said board and extending upon opposite sides of said fingers, a head straddling said board intermediate said wings, a shaft secured to said head and extending through said cover, and means connected to said shaft for rotating said stirrer device upon said cover.

1,468,400. GEAR-SHIFTING DEVICE. WILLIAM N. RETTINGER, Bourbon, Ind. Original application filed Jan. 25, 1922, Serial No. 531,705. Divided and this application filed Feb. 24, 1923. Serial No. 620,907. 4 Claims. (Cl. 74—39.)



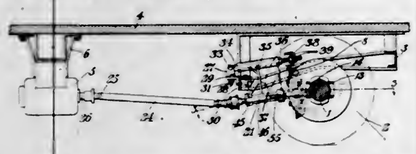
1. In a device of the class described, the combination with a support, of a pair of brackets carried by said support, one of said brackets being bifurcated, a bar slidably mounted at one end upon the top of one bracket and at its other end mounted in the bifurcation of the bifurcated bracket, gear engaging means carried by said bar, lever means for adjusting said bar, and locking means for holding the bar in an adjusted position.

1,468,401. POWER-TRANSMISSION MECHANISM. ERVIN E. ROBERTS, Palms, Calif. Filed June 5, 1922. Serial No. 566,039. 8 Claims. (Cl. 74—26.)



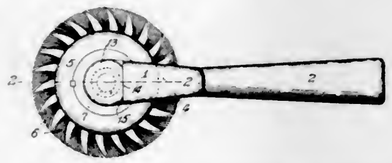
6. A transmission mechanism, including a conical driving casing, a longitudinally shiftable cone positioned therein, rollers interposed between the inner surface of said casing and the outer surface of said cone and shafts so positioned, on which said rollers are mounted that said rollers tend to move toward the larger end of said casing with their revolution.

1,468,402. DRIVING CONNECTION. JOSEPH ROBINSON, Morristown, N. J. Filed Aug. 30, 1921. Serial No. 496,806. 7 Claims. (Cl. 105—118.)



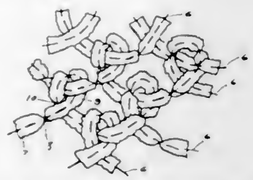
1. In a driving connection, the combination with a car axle and a generator, of a support pivoted to swing about a substantially horizontal axis, a shaft member leading to said generator at an angle to said axle, so supported by said support as to permit movement thereof in the lengthwise direction of the axle, friction discs on said shaft member and axle, arranged to engage each other, and means for holding said discs in driving engagement with each other regardless of any lengthwise movement of said axle relative to said support.

1,468,403. CLOTH-SURFACING DEVICE. WILLIAM E. ROSS, Chicago, Ill. Filed July 2, 1923. Serial No. 648,905. 6 Claims. (Cl. 26—4.)



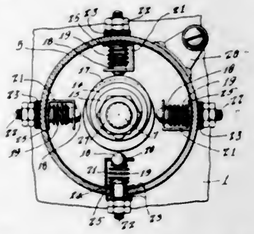
1. A cloth-surfacing device comprising a rotatably supported member, bristles mounted in said member and having angularly projected burrs on their free ends, said member being rotated by contact of the bristles with the cloth, and means for applying a frictional drag upon the rotatable member to cause the burrs to penetrate the material a substantial distance during peripheral movement of said member in a direction opposite to the direction of projection of said burrs.

1,468,404. HAT OR THE LIKE. GRACE H. SACKET, Racine, Wis. Filed Jan. 31, 1921. Serial No. 441,297. 1 Claim. (Cl. 28—1.)



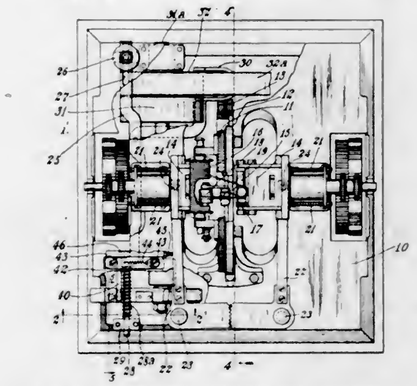
The method of looping a braid of material formed of a bendable member threaded through a ribbon which consists in spirally winding said braid and looping each row of braid around the next adjacent row.

1,468,405. TIMER. EDWIN E. SAVARD, Ventura, Calif. Filed June 7, 1921. Serial No. 475,654. 3 Claims. (Cl. 200—25.)



2. In a timer, the combination, with a shaft, of a collar mounted on the shaft comprising a flange and an eccentric, a sleeve mounted on the eccentric and comprising an outer eccentric and a flange between one end of the sleeve and the eccentric, a pin passing through the inner eccentric and through the sleeve between its flange and said end and engaging the shaft, a ring rotatably mounted on the outer eccentric between the two flanges, and a yieldingly mounted electric contact adapted to be intermittently engaged by the ring when the eccentrics turn.

1,468,406. BALL-WINDING MACHINE. EDWARD L. SCHICK, Akron, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y., a Corporation of New York. Filed Nov. 17, 1920. Serial No. 424,580. 4 Claims. (Cl. 242—3.)

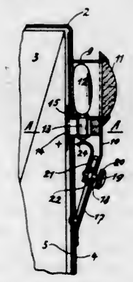


1. In a ball winding machine the combination of a ball-holding head, yielding means urging said head toward the winding plane but adapted to be overcome by pressure of the ball as the latter enlarges, a drive shaft for said machine, a drive pulley, an idler pulley, and a brake drum mounted on said shaft, a braking member associated with said brake-drum, a drive belt associated with said pulleys, a slidable arm disposed lengthwise of said shaft, a belt shifter on said arm for shifting said belt, means on said arm for controlling said braking member, yielding means impelling said arm toward stopping position, and a latch for holding said arm in running position, against the force of said yielding means, said latch being adapted to be tripped by movement of said head when the ball has attained a determinate size.

1,468,407. ALLOY. ARNOLD SCHROETTER, New York, N. Y., assignor to American White Gold Manufacturing Company, Inc., New York, N. Y., a Corporation of New York. Filed Oct. 16, 1919. Serial No. 331,098. 6 Claims. (Cl. 75—1.)

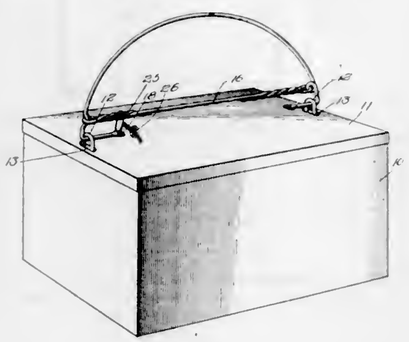
1. An intermediate alloy for the production of a white metal, said intermediate alloy containing approximately 95% of nickel, 2½% of gold, and sufficient zinc, magnesium and antimony to produce a definite influence on the finished product, the said sum of zinc, magnesium and antimony totalling less than 2%.

1,468,408. ELECTRIC POCKET LAMP. HEINRICH STUDER, Zurich, Switzerland, assignor to Benedict Stäheli and Louis Levaillant, both of Zurich, Switzerland. Filed May 10, 1922. Serial No. 560,075. 5 Claims. (Cl. 240—8.5.)



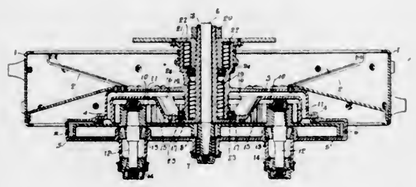
2. An electric pocket lamp comprising a battery casing formed of two shells fitted telescopically together, a lens mount projecting from said casing, a wedge-shaped casing enlargement adjoining said lens mount, a laterally flattened electric bulb, a clip arranged in said casing enlargement for holding the bulb with its flat sides perpendicular to the axis of the lens mount, and a switch mechanism arranged in said casing enlargement.

1,468,409. HANDLE. FREDERICK J. SPIEGLER, Chicago, Ill. Filed Dec. 20, 1922. Serial No. 607,962. 5 Claims. (Cl. 16—114.)



2. A handle comprising a semi-circular wire portion having inwardly extending arms at its ends, means for drawing the ends of said semi-circular wire portion together to bring said arms into locking position with respect to a container, and means for yieldingly retaining said arms in said locking position.

1,468,410. GEARING FOR DRIVE WHEELS. RALPH P. THOMPSON, Westover, Md. Filed Oct. 16, 1920. Serial No. 417,343. 4 Claims. (Cl. 74—7.)

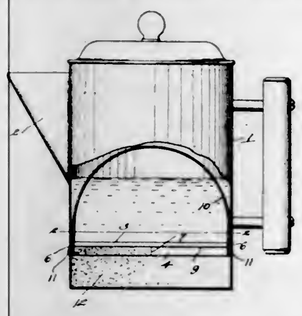


1. In a speed reducing mechanism a frame, a non-rotatable hub having a flange at one end and a nut for clamping it to said frame at the other end thereon, a tractor wheel journaled on the inner part of the hub between the flange and frame, a driving gear, a stationary gear of large diameter having a spider integral therewith, and bolted to said flange, each of said gears having as its common axis, the axis of a tractor wheel journal bearings carried by the tractor wheel adapted to support planetary gears, said gears being adapted to mesh with said driving gear and said stationary gear whereby the planetary gears revolve about the axis of the tractor wheel to actuate said wheel.

1,468,411. COFFEEPOT ATTACHMENT. WALTER C. ONG, Columbus, Ohio. Filed Sept. 7, 1922. Serial No. 586,564. 2 Claims. (Cl. 53—3.)

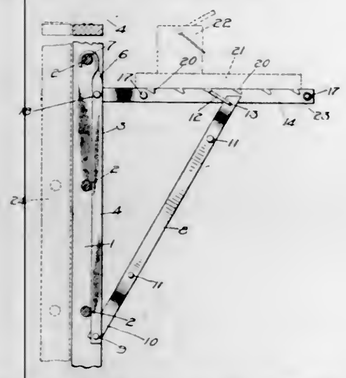
1. An attachment of the class described, comprising inner and outer rings, a sheet of fabric having its skirt confined between the rings, the outer ring having aligned

seats and perforations formed therein, a handle bail having pintles for detachably engaging the perforations, the



lower ends of said bail being yieldably engaged in said seats and above the upper edge of the inner ring to limit the upward movement thereof.

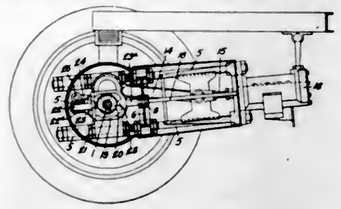
1,468,412. LADDER-SCAFFOLD BRACKET. FRANCIS T. PETERS, Decatur, Ill. Filed Feb. 23, 1922. Serial No. 538,566. 1 Claim. (Cl. 304—34.)



A device of the character described comprising a supporting member having hooks for engagement with the rung of a ladder, a rack pivotally mounted on said supporting member adjacent its upper end, said rack being formed with a plurality of inwardly slanting spaced apart notches in its upper surface, a strut pivotally mounted on said supporting member at its lower end, and a clevis having a central shaft pivotally mounted on said strut at its outer end and arranged to receive said rack, whereby the outer end of the clevis may be received in one of said slanting notches so that the central shaft thereof may contact the under surface of said rack, and thereby lock the rack and strut against disengagement.

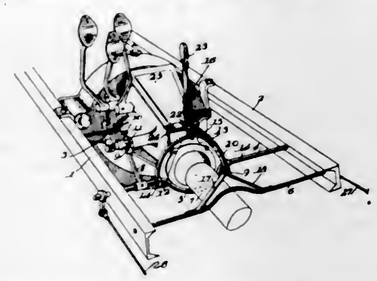
1,468,413. DRIVING MECHANISM. JOSEPH PIERRE LAVOIE, Montreal, Quebec, Canada. Original application filed Apr. 21, 1921, Serial No. 463,172. Divided and this application filed Apr. 3, 1922. Serial No. 549,142. 3 Claims. (Cl. 74—14.)

1. In combination, a rotary driving element; a sleeve keyed to said element to rotate therewith and to slide laterally thereon, said sleeve having a central, circumferential flange which is peripherally grooved; a pair of cams provided on said sleeve, one cam on each side of said flange, to be shifted laterally with the sleeve; a pair of reciprocating elements each provided with a yoke which straddles the adjacent cam to be operated thereby; and a shifting device engageable in the groove in said



flange to slide said sleeve in either direction along said driving element, thereby to vary the timing of the operation of the parts actuated by said reciprocating elements.

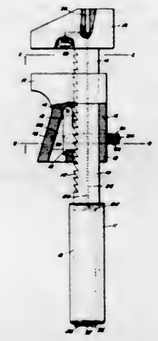
1,468,414. EMERGENCY BRAKE LEVER. OTTO WILLIAM POPE, Oklahoma, Okla. Filed Jan. 15, 1923. Serial No. 612,757. 3 Claims. (Cl. 74—39.)



1. In combination with the chassis of an automobile supporting a transverse brake shaft, a brace rod and a transmission housing, a yoke comprising two members having their outer ends rigidly connected with the brake shaft upon opposite sides of the transmission housing, a brake lever rigidly secured to the inner adjacent end of the members of the yoke, a pair of straps having their outer ends rigidly connected in spaced relation to the brace rod, the straps being extended angularly toward each other and having their inner ends provided with ears spaced from each other, a toothed ratchet bar rigidly connected at one end between the spaced upper ends of the straps extended longitudinally forward of the transmission housing and connected at its opposite end to the cover plate of said housing, a spring pressed pawl mounted on said lever for operative engagement with the teeth of the ratchet bar for locking the lever in any one of a plurality of pre-determined positions, said ratchet bar being located parallel to the path of movement of said lever.

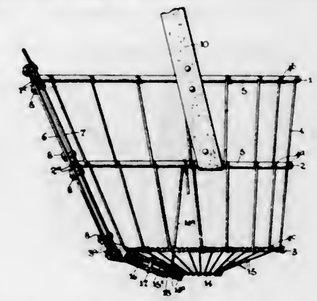
1,468,415. QUICK-ADJUSTING WRENCH. WILLIAM JOHN PURNELL, JOHN C. CHASE, and ROBERT S. YOUNG, Woodlawn, Pa., assignors to Safety Appliances Corporation, Woodlawn, Pa., a Corporation of Delaware. Filed May 5, 1921. Serial No. 467,050. 1 Claim. (Cl. 81—145.)

An adjustable wrench comprising a handle connected to a shank, a fixed jaw at one end of said shank, a movable jaw carried upon a sleeve slidably mounted on said shank, said sleeve being much shorter than said shank, the face of said shank toward the jaw being provided with ratchet teeth, a rack catch, one end of which is pivotally connected to said movable jaw, said sleeve being wider at the end remote from said jaw than at the point of connection thereto of said rack catch, said rack catch having teeth adapted to mesh with the ratchet teeth on said shank, to hold the movable jaw from movement away from said fixed jaw, a spring for normally holding said rack catch into engagement with the ratchet teeth



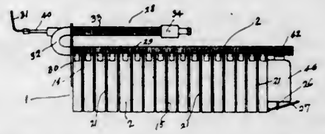
on said shank, and a hand-press member attached to said rack catch and surrounding said sleeve, whereby, when said member is pressed, the rack catch is disengaged from the ratchet teeth on said shank.

1,468,416. MUZZLE. CHRIS MADSEN RASMUSSEN, Deschutes, Oreg. Filed Jan. 3, 1923. Serial No. 610,454. 5 Claims. (Cl. 119—130.)



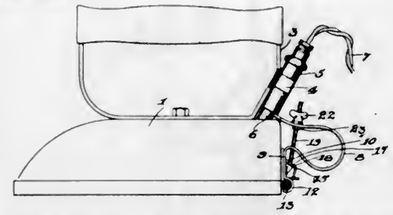
1. A stock muzzle comprising a body open at its one end and being adapted to be slipped over the nose portion of an animal, and means at the other end of the body defining an opening of restricted area through which the animal may graze, said means being adjustable to carry the size of said opening.

1,468,417. OIL BURNER. WILFRID FRANCIS RAVENOR, Vancouver, British Columbia, Canada. Filed Dec. 17, 1921. Serial No. 523,194. 14 Claims. (Cl. 158—65.)



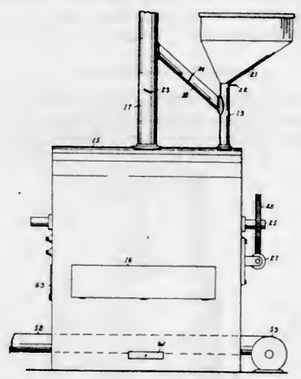
1. An oil burner comprising a plurality of centrally apertured sections connected together with the apertures of the sections in registration whereby a chamber is formed in the burner interior, each said section being provided with air passages on each side of its apertures, means for spacing the connected sections from each other, and means for supplying gas to the chamber.

1,468,418. SAFETY DEVICE FOR ELECTRIC IRONS. WILLIAM C. SCHULTZ, Walla Walla, Wash. Filed July 12, 1921. Serial No. 484,174. 3 Claims. (Cl. 200—142.)



1. An attachment for an electrically heated element having a plug and socket electrical connection, comprising a spring having one end free but normally engaging beneath the end of the removable part of the plug and socket connection, a fuse, the other end of the spring being bent to form a fuse retainer in association with the heated element for the fuse, means engaging the fuse thus held by the spring for retaining the free end of the spring under tension in its normal position whereby when the element is heated to a predetermined degree the fuse will be melted to release the retaining means whereby the spring will disconnect the socket and plug.

1,468,419. ELECTRIC COFFEE ROASTER. MARK T. SEYMOUR, Stowe, N. Y. Filed Mar. 28, 1922. Serial No. 547,386. 12 Claims. (Cl. 219—19.)

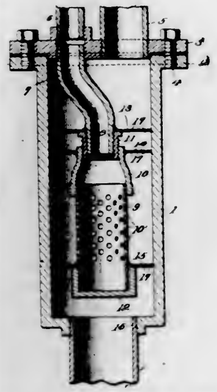


1. In an electric roaster, a stationary frame, a rotatable roasting cylinder including a supporting frame, a series of independent and separable heating elements arranged about the cylinder frame, means to individually connect each element to the cylinder frame, a series of circular contact means for the elements carried by the cylinder frame and having independent connection with each of the elements whereby to allow of removal of one or more of the elements without disturbing the connections between the contact means and the remaining elements, a series of brushes carried by the stationary frame and engaging the circular contact means, and a source of electrical supply connected to the contact means.

1,468,420. PASTEURIZING DEVICE. RALPH O. STEARNS, Winthrop, and DANIEL E. MCGRAW, North Lawrence, N. Y. Filed Feb. 1, 1922. Serial No. 533,256. 7 Claims. (Cl. 99—15.)

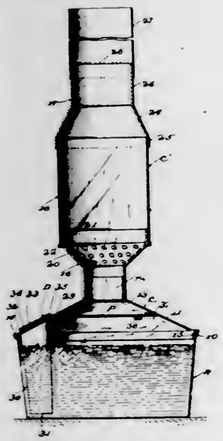
1. The process of pasteurizing liquid whey, skimmed milk and the like, comprising breaking up the liquid into finely divided particles and subjecting the same to the di-

rect action of steam while in such finely divided condition at a temperature sufficient to pasteurize the liquid while preserving its liquid condition.



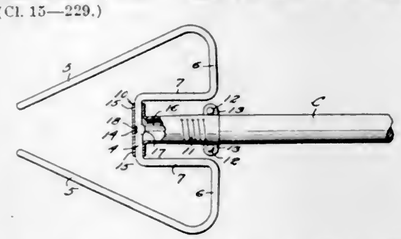
7. A device for pasteurizing whey, skimmed milk and the like, comprising a cylinder having a whey inlet and discharge at its opposite ends, a steam inlet at the whey inlet end of the cylinder, a perforated steam drum within the cylinder, a pipe connecting the steam inlet with said steam drum, a plurality of baffle plates separating the space in the cylinder surrounding the steam drum from the inlet end of the cylinder, and a suitable number of baffle plates separating the steam drum from the discharge end of the cylinder, said baffle plates having a suitable number of small perforations in and for the purpose set forth.

1,468,421. PORTABLE STOVE. CLARENCE O. SHELDON, Donna, Tex., assignor of one-half to Chester D. Dickey, Donna, Tex. Filed May 3, 1922. Serial No. 558,043. 5 Claims. (Cl. 158—91.)



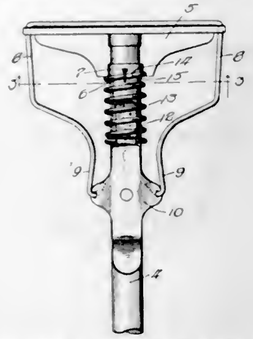
5. In a stove of the character described, a receptacle adapted to retain a liquid fuel, a cover for said receptacle having a restricted outlet centrally thereof, means whereby a flame may be maintained adjacent one side of the interior of said receptacle, said means being also adapted to smother the flame when passing into the remainder of the receptacle, and a partition beneath which the gases from said smothered flame must pass and thereby to retain the same in intimate contact with the liquid fuel, said partition having an opening diametrically opposed to the point at which the flame is maintained, and said opening being adapted to permit combustible gases to escape therethrough for the purpose described.

1,468,422. MOP. FRANKLIN P. TOOF, Paducah, Ky. Filed Feb. 17, 1921. Serial No. 445,683. 3 Claims. (Cl. 15—229.)



1. In the combination of a frame, including a transversely disposed pivot section, a handle, a coupling pivotally connecting said handle and said frame, said coupling embracing said pivot section of the latter and having confronting abutments at each side of the axis of said pivot section, and a lug carried by the said pivot section of said frame and adapted to engage said abutments one at a time, to limit the amplitude of oscillation of said frame with respect to said handle.

1,468,423. MOP. HENRY TSCHERNING, Freeport, Ill., assignor to Arcade Manufacturing Company, Freeport, Ill., a Corporation of Illinois. Filed Aug. 21, 1922. Serial No. 583,261. 1 Claim. (Cl. 15—152.)

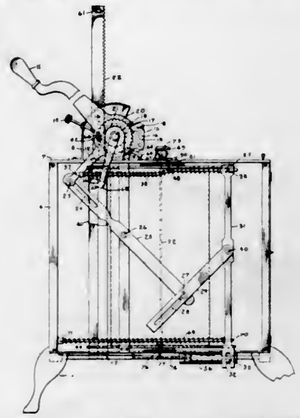


A mop comprising, in combination, a bar, a jaw on said bar, a second jaw movable relative to said first-referred to jaw, a coil spring surrounding said bar and compressible lengthwise thereof to force said movable jaw toward said first-named jaw to clamp and retain a swab therebetween, one of the convolutions of said spring having a deflected portion, and a staple embracing said convolution and co-operating with the deflected portion thereof whereby to prevent the spring from turning.

1,468,424. FOOD-DISPENSING MACHINE. CHARLES J. VANN, Brooklyn, N. Y. Filed May 19, 1921. Serial No. 470,929. 3 Claims. (Cl. 31—65.)

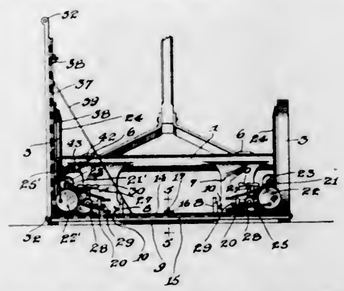
1. In a machine of the class described, a cutting off mechanism having a reciprocable frame with a cutter moving in the path of the material to be cut, a lever pivoted to said frame, a second lever slidably connected to said first mentioned lever and pivoted to said machine, and an operating handle connected to said second lever and adapted when operated to reciprocate said cutter by said levers.

3. In a machine of the class described, a cutting off mechanism having a reciprocable frame with a cutter moving in the path of the material to be cut, a lever pivoted to said frame, a second lever slidably connected to said first mentioned lever and pivoted to said machine, and an operating handle connected to said second lever



and adapted when operated to reciprocate said cutter by said levers, and in combination therewith means for feeding said material to be cut and means for adjusting the thickness of said cut.

1,468,425. LAWN MOWER. BENJAMAN J. WALKER, Lynnville, Tenn. Filed Dec. 3, 1921. Serial No. 519,752. 3 Claims. (Cl. 56—233.)

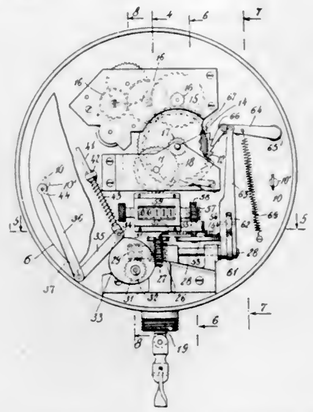


1. A mowing machine including a body portion, supporting means thereon including a ground engaging drive wheel, a guard bar, a cutter bar movable thereon, a carriage mounted on the body and normally at rest thereon, mechanism on the carriage for transmitting motion from the ground wheel to the cutter bar, a rack on the body portion, a shaft on the carriage and a pinion on said shaft engaging said rack for moving the carriage toward and from the ground wheel.

1,468,426. SPEED, TIME, AND DISTANCE RECORDER. ANTHONY F. WALLBILLICH, Newark, N. J., assignor to S. T. D. Recording Instrument Corp., Roselle, N. J., a Corporation of New Jersey. Filed Nov. 23, 1921. Serial No. 517,175. 16 Claims. (Cl. 234—32.)

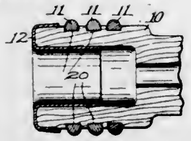
1. A recording device for use on a vehicle, comprising a shaft rotatable in unison with the vehicle, a pair of relatively adjustable arms, a marker on one of said arms, means acting on the second arm to rock said arms, a guided rod mounted on the second arm and movable in unison therewith, a spring opposing the movement of said rod, and a continuously driven record disk to receive a record produced by said marker.

5. A recording device for use on a vehicle, comprising a record disk, means for continuously rotating the disk, a marker, means for moving the marker back and forth on the disk proportional to the distance traveled by the vehicle, both forwardly and backwardly, and means for indicating the total distance, forward and backward, covered by the vehicle.



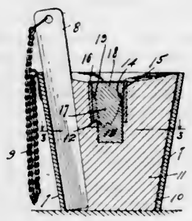
12. A recording device for use on a vehicle comprising a record surface, clockwork for continuously moving said surface, a spring actuated device for automatically rewinding the driving spring of the clockwork, means for connecting said device to a source of power actuated upon movement of the vehicle, the spring of the spring actuated device being balanced against the spring of the clockwork so that the spring actuated device rewinds the spring of the clockwork when the latter has run down a certain amount.

1,468,427. BOBBIN HEAD RING. JOHN O. WALLGREN, Worcester, Mass. Filed Mar. 15, 1922. Serial No. 543,953. 2 Claims. (Cl. 242—120.)



2. A bobbin head ring formed of wire having a substantially flat surface disposed at the inside of the ring, the two side faces of the ring slightly approaching outwardly, and said ring having a substantially semi-circular outer face.

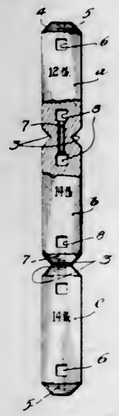
1,468,428. DENTAL MOLDING APPARATUS. AMOS S. WELLS and LEE A. HARKER, Minneapolis, Minn. Filed July 18, 1921. Serial No. 485,588. 2 Claims. (Cl. 22—115.)



1. A device of the character described comprising, in combination with a flask adapted to receive a plastic material containing an embedded model, a blade adapted

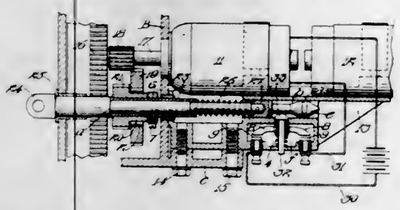
to be longitudinally embedded at one side of the material and having an embedded edge directed towards the model, and provided with means for twisting said blade, after the material has hardened, whereby to crack the material and free the model, substantially as described.

1,468,429. WINDOW WEIGHT. ALBION F. WIXSON, Minneapolis, Minn. Filed Jan. 4, 1923. Serial No. 610,589. 4 Claims. (Cl. 16—218.)



1. A window weight made up of a plurality of sections and having a weakened breaking line between weight sections, and formed in the vicinity of said breaking line with cavities that afford in the ends of severed sections means for the application of coupling or supporting devices.

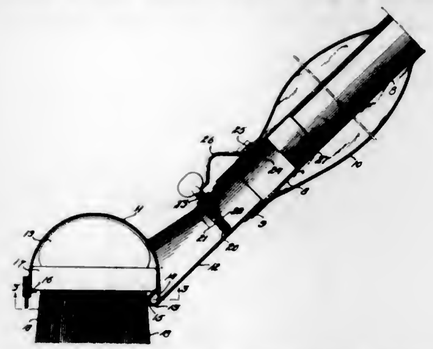
1,468,430. STARTING AND LIGHTING DEVICE FOR INTERNAL-COMBUSTION ENGINES. RALPH H. WHISLER, Halfway, and STUART G. BAITS, Detroit, Mich., assignors to Essex Motors, Detroit, Mich., a Corporation of Michigan. Filed Oct. 5, 1921. Serial No. 505,600. 6 Claims. (Cl. 290—36.)



1. In combination with the crank case and flywheel casing of an internal combustion engine, a flywheel within said casing provided with gear teeth, a train of gearing within said flywheel casing, a base, a starting motor mounted on said base exterior to said flywheel casing, said starting motor being connected to said train of gearing, a switch and mechanism within said base to actuate the switch and connect said starting motor to the flywheel through said gear train.

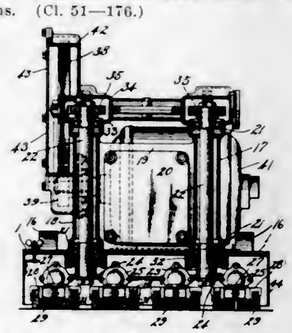
1,468,431. CLEANING DEVICE. STEPHEN WODONOS, Philadelphia, Pa., assignor of one-half to Roman Karajem, Philadelphia, Pa. Filed Feb. 21, 1921. Serial No. 446,911. 10 Claims. (Cl. 15—131.)

1. A cleaning device including a hollow handle; a reservoir for liquid carried by the handle and in communication with the interior thereof; cleaning means communicating with said handle; and means by one operation



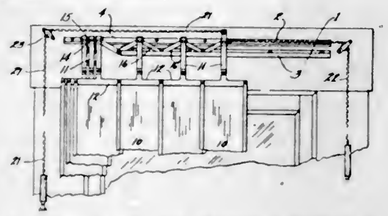
of which draws liquid into said handle, and by another operation of which forces said liquid into said reservoir.

1,468,432. FLOOR-SURFACING MACHINE. RICHARD E. WRIGHT, Toledo, Ohio, and OLIVER E. BARTHEL, Detroit, Mich., assignors to Art Mosaic and Tile Company, Toledo, Ohio, a Copartnership composed of Richard E. Wright, Michael Floritto, and F. J. Borkenstein. Filed Mar. 10, 1922. Serial No. 542,588. 4 Claims. (Cl. 51—176.)



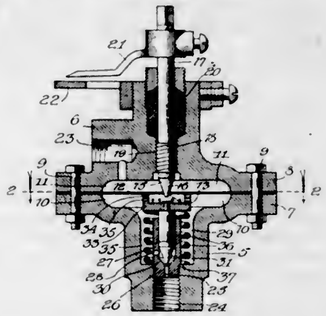
1. In a a surfacing machine, horizontal three arm spiders, universal ball and socket joints at the outer ends of the arms of said spiders, holders carried by said joints and provided with channel ways, a plurality of surfacing elements in the channel ways of each holder, wedge members retaining said surfacing elements in the ways of said holders, and means adapted to rotate said spiders.

1,468,433. CURTAIN. FRANK H. ZACKOW, Tacoma, Wash. Filed Oct. 4, 1921. Serial No. 505,226. 3 Claims. (Cl. 156—16.)



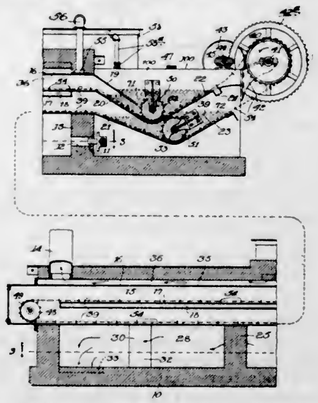
2. A curtain of the class described comprising in combination with a window frame, a horizontal supporting rail fixed across the said frame, a plurality of co-operating curtain forming panels, a hanger for each of the panels, a roller for each of the hangers operable along the rail, a pair of downwardly foldable pivotally connected links joining the hangers of adjacent panels whereby the spacing of the panels when the curtain is extended is limited, cords fixed to the hanger of the outer panel for actuating it outwardly or inwardly along the rail to effect the extending or collapsing of the curtain and a rail fixed to the frame beneath the first named rail and having a flange extending therefrom against which said downwardly foldable connecting links for the hangers engage to prevent their collapsing within any extended part of the curtain.

1,468,434. VALVE DEVICE. JOHN ZANDER, Chicago, Ill. Filed Apr. 6, 1921. Serial No. 458,943. 9 Claims. (Cl. 50—11.)



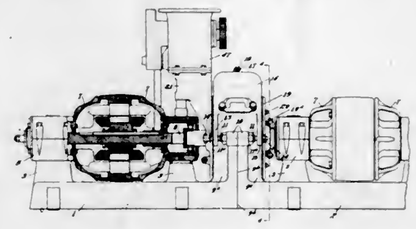
1. A valve mecbanism comprising a casing containing an inlet and an outlet, a chamber between said inlet and outlet, a valve controlling said outlet, and means for controlling said valve comprising a movable member in said chamber against which the fluid operates at opposite faces thereof, said member being so arranged that the pressure of the in-coming fluid is exerted against one face thereof and operates to produce the flow of fluid to said valve and movement of said valve toward closed position, the pressure of the fluid between said member and valve being exerted against the opposite face of said member, said valve in the building up of the pressure against said last-referred-to face of said member moving in a direction opposite to closing.

1,468,435. DISTILLATION APPARATUS. JOHN ZANDER, Chicago, Ill. Filed July 21, 1920. Serial No. 398,010. 2 Claims. (Cl. 196—19.)



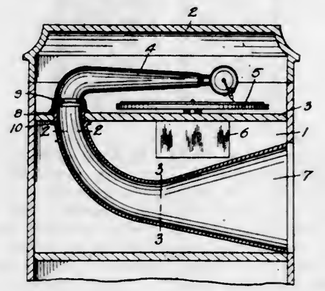
1. A still of the character set forth, comprising a chamber having floor sections arranged one above the other in spaced relation with an opening from the upper floor to the floor below it, said furnace having a liquid-seal inlet toward the end of the upper floor opposite that containing said opening, and a liquid-seal outlet toward the end of the lower floor opposite that adjacent said opening, means for heating the material, and means operating through said liquid-seals for moving the material from said inlet along said floor sections and through said outlet.

1,468,436. ATTRITION MILL. LOUIS E. BAUER, Springfield, Ohio, assignor to The Bauer Brothers Company, Springfield, Ohio, a Corporation of Ohio. Filed Dec. 27, 1921. Serial No. 524,884. 6 Claims. (Cl. 83—8.)



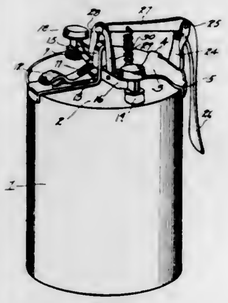
1. A unitary base member for attrition mills comprising an elongated flat bottom base portion, having an integrally formed bearing support projecting vertically therefrom, a wall likewise formed therefrom extending inwardly from each side of said support, and bearing surfaces formed at the side edge of said wall for the purpose specified.

1,468,437. AMPLIFIER. ANTONIO BENOIT, JOSEPH LUCIEN MATHIEU, and HENRI HORMISDAS DUCHESNE, Montreal, Quebec, Canada, assignors to Benoit & Mathieu, Montreal, Canada. Filed Apr. 22, 1921. Serial No. 463,715. 1 Claim. (Cl. 181—27.)



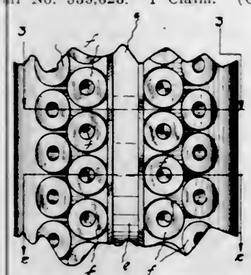
A sound amplifier for talking machines having a cross-section from end to end in the form of a closed curve and comprising a throat, and a bell extending substantially horizontally forward and at an angle therefrom; said throat being gradually tapered both horizontally and vertically from a point adjacent its free end, where it is of circular section, to the point where it merges into the bell, the horizontal taper gradually assuming a more pronounced angle than the vertical taper between said free end and said merging point so that an elliptical section is thereby produced having a horizontal major axis of gradually increasing length; said bell having a continuous gradual taper from said merging point to its free end or mouth both horizontally and vertically, the horizontal taper being relatively more pronounced as compared with the vertical taper than the horizontal taper in the throat portion.

1,468,438. MILK-CAN PERFORATOR AND PROTECTOR. JOHN BUSSANICH, Dockton, Wash. Filed May 20, 1922. Serial No. 562,384. 4 Claims. (Cl. 220—31.)



1. A device of the class described, comprising a plate adapted to be clamped upon the end of a can, arms having ends pivotally fixed to the plate and extending toward opposite edges of the can, pins mounted in the ends of said arms for perforating the can end, a lever mounted on the plate having operative connection with the said arms whereby the latter may be lifted to remove the perforating pins from the can end and a spring connected with the lever and with the clamping plate whereby the perforating pins are yieldably retained within the can perforations.

1,468,439. NONSKID TIRE FOR VEHICLE WHEELS. PETER A. COZAKOS, Portland, Oreg. Filed Feb. 27, 1922. Serial No. 539,623. 1 Claim. (Cl. 152—14.)

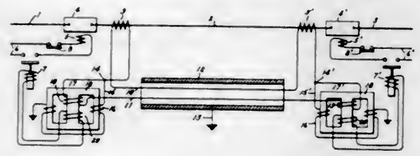


A non-skid tire of resilient material provided with a central circumferential rib and with two rows of suction cups on each side of said rib, the walls of said cups projecting a substantial distance radially beyond the tread portion of the tire, the bearing faces of those rows of suction cups directly adjacent the rib touching substantially the same horizontal plane as the rib when the tire carries the load, and the rows of suction cups farthest from said rib being inclined angularly to, but spaced from said plane, whereby said rib and that portion of the rows of suction cups directly adjacent thereto, normally, support the weight of the vehicle, while the mouths of the other rows of suction cups are spaced from the ground, but any sidewise movement of the tire on the ground tends to distort said rib and that row of suction cups directly adjacent thereto on the side towards which said sidewise movement is directed, and thus brings the outer rows of suction cups on the same side to bear with suction force on the ground.

1,468,440. PRODUCTION OF RESIN. CLARK M. DENNIS, Montclair, N. J., assignor to The Barrett Company, a Corporation of New Jersey. Filed May 5, 1919. Serial No. 295,017. 31 Claims. (Cl. 134—26.)

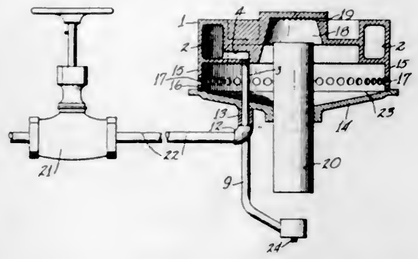
30. The process of making a resin from naphthas containing resin forming constituents of the cumarone-indene series, which comprises subjecting naphtha, that will give a polymerization product having a high specific gravity, to a polymerizing treatment with sulfuric acid, diluting said polymerization product with refined naphtha of specific gravity less than unity and washing with water.

1,468,441. PROTECTIVE DEVICE FOR ELECTRIC DISTRIBUTION SYSTEMS. ALAN STEWART FITZ GERALD, London, England, assignor to General Electric Company, a Corporation of New York. Filed Sept. 9, 1922. Serial No. 587,194. 7 Claims. (Cl. 175—294.)



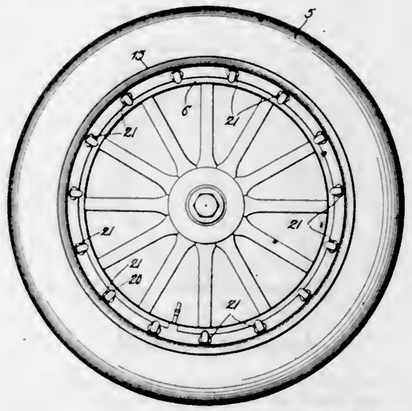
2. In an alternating current electric system, protective means wherein the input of electric energy into a portion of the system is balanced against the output therefrom, comprising means for controlling the circuit of the system, a current transformer at each of two points of the system, a pilot circuit comprising a cable having an earthed sheath and pilot wires connecting the secondaries of said transformers for opposing electromotive forces, electroresponsive means for controlling said circuit controlling means connected in series relation with said pilot circuit, and earthing lead connecting a point in said pilot circuit not at equal potential differences with respect to said pilot wires to ground, a winding in circuit with said earthing lead arranged to produce an effect on said electroresponsive means proportional to the capacity current to ground of said pilot circuit and opposed to the effect of the capacity current between said pilot wires on said electroresponsive means whereby said electroresponsive means is rendered inoperative in response to the capacity current between said pilot wires.

1,468,442. BURNER. FRANK M. DALLEN, Chicago, Ill. Filed Jan. 9, 1922. Serial No. 527,961. 4 Claims. (Cl. 158—69.)



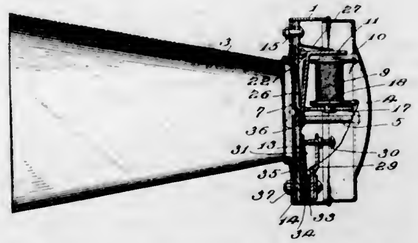
4. A burner of the character described comprising a body portion having an arcuate vaporizing chamber, a gas chamber, said gas chamber being formed with a substantially conical-shaped recess in the upper wall thereof, a vertical pipe communicating with the gas chamber arranged for longitudinal movement, and an outlet pipe leading from said vaporizing chamber and terminating below the lower end of said vertical pipe, said gas chamber being formed with an arcuate depression on the outer upper wall thereof concentric the conical-shaped recess on the inner side thereof, and being provided with perforations through the wall of said gas chamber so that gases from the chamber may pass through the wall thereof into the arcuate recess.

1,468,443. DEMOUNTABLE RIM. CHARLES ESMARIAN, Paterson, N. J. Filed Feb. 8, 1922. Serial No. 535,011. 3 Claims. (Cl. 301—11.)



1. A wheel rim comprising two sections, flanges formed on the respective sections, substantially triangular attaching plates secured to the inner face of one of the sections, said plates having squared sleeves, lock bolts held by the squared sleeve portions of the plate for securing the respective sections together, said lock bolts being movable outwardly thereof to permit one of the sections to be removed.

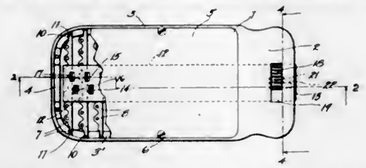
1,468,444. VIBRATOR HORN. MAURICE F. FITZGERALD, Winsted, Conn., assignor to The Fitzgerald Mfg. Co., Torrington, Conn., a Corporation of Connecticut. Filed Aug. 24, 1920. Serial No. 405,698. 3 Claims. (Cl. 177—7.)



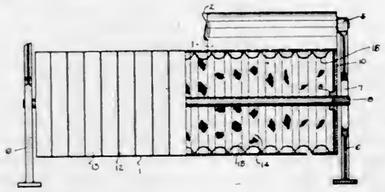
1. A vibrator horn comprising a casing having a diaphragm, a supporting sheet metal plate arranged in said casing in spaced relation to said diaphragm, said plate having a struck up portion thereof forming an integral upstanding flange and an adjacent opening, a magnet mounted on said flange, a member pivotally mounted on said plate and having an armature portion arranged to be actuated by said solenoid, and a striker portion adapted to pass through the opening in said plate and contact said diaphragm.

1,468,445. BRUSH. NELS S. FROST, Seattle, Wash. Filed Dec. 23, 1921. Serial No. 524,432. 1 Claim. (Cl. 15—203.)

A brush of the character described comprising a base plate having spaced apart rails extending therefrom; said rails being provided at points transversely opposite each other with upwardly opening sockets, bars extended between the frame rails having trunnions at their ends revoluble in said sockets, a plurality of packs of bristles mounted in each set of said bars with the packs of successive bars arranged in offset relation with respect to each other, a shiftable plate mounted within the frame overlying said bars, a cover plate secured to the frame to retain the bars and shiftable plate in functional position, said shiftable plate having means whereby it is connected with all of said bars whereby shifting thereof will effect rotation of the bars to cause the bristles to be folded against the brush body, or moved to extended position, and means for locking the plate against shiftable movement.

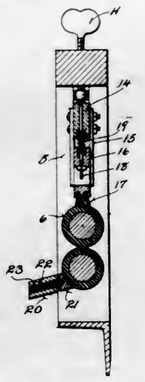


1,468,446. APPARATUS FOR MARKING SIGN-PAINTERS' CLOTH. HOWELL E. GRAHAM, Birmingham, Ala. Filed Apr. 13, 1922. Serial No. 552,298. 10 Claims. (Cl. 101—119.)



1. An apparatus for marking sign painters' cloth, comprising guides for the cloth, an apparatus containing pulverized marking material and having a multiplicity of suitably spaced apertures, and means to cause said material to be dredged in lines upon the cloth passing thereunder.

1,468,447. CLOTHES WRINGER. OTTO HEISLER, Milwaukee, Wis. Filed Mar. 14, 1922. Serial No. 543,554. 2 Claims. (Cl. 68—32.)

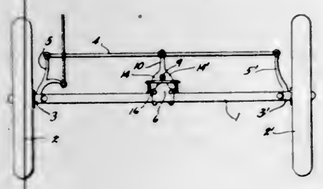


1. In a wringer, a pair of rolls between which the clothes are fed, a vertically adjustable bar disposed therenbove, vertical guides depending from said bar, a brush holder slidably mounted in the guides and having brushes normally in contact with the upper roll, means for resiliently urging the brush and holder downwardly and means for adjustably limiting the downward movement thereof.

2. In a wringer, a pair of rolls between which the clothes are fed, a frame in which the rolls are journalled,

a delivery board secured to the frame behind the lower roll and sloping outwardly and downwardly, a shoe adapted to engage the roll and having supporting pins slidably mounted in said board, and means resiliently urging the shoe into contact with the roll to strip the clothes therefrom.

1,468,448. AUXILIARY STEERING DEVICE. PAUL W. JOHNSON, Tacoma, Wash., assignor to J & B Stabilizer Corp., Tacoma, Wash., a Corporation of Washington. Filed Oct. 26, 1921. Serial No. 510,429. 2 Claims. (Cl. 280—94.)



1. The combination with a vehicle axle and a steering wheel connecting rod of a stabilizing device comprising a supporting plate fixed to said axle and having a rearwardly extending arm, bolts fixed in the plate to extend in the direction of the arm at opposite sides thereof, a bar extended between the bolts and having slotted ends receiving the same, springs mounted on the bolts and engaging the ends of the bar to resist inward movement thereof, a lever connected at one end with the wheel connecting rod and at its opposite end pivotally mounted on said plate arm and having portions extending laterally therefrom at opposite sides of the pivotal mounting and seated against said bar whereby pivotal movement of the lever is yieldingly resisted.

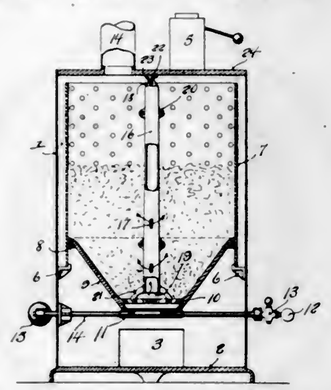
1,468,449. LICENSE-TAG HOLDER. JOHN A. JOHNSON, Mankato, Minn. Filed Dec. 29, 1922. Serial No. 609,667. 1 Claim. (Cl. 40—132.)



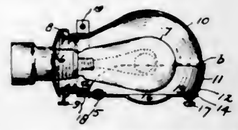
In a device of the character described, a box-like body portion having grooves formed at the forward portion thereof, a translucent plate adapted to be positioned in the grooves, a locking bar having an opening in one end and adapted to be positioned over the upper edge of the plate to lock the plate to the body portion, a pin carried by the body portion and adapted to extend into the opening at the end of the locking bar, and resilient means at the opposite end of the locking bar for securing the locking bar against movement.

1,468,450. GARBAGE INCINERATOR. MATHIAS ANTON KOHN, Milwaukee, Wis. Filed Oct. 12, 1922. Serial No. 594,025. 3 Claims. (Cl. 110—18.)

1. A garbage incinerator comprising an outer casing, a perforated colander mounted therein and spaced from such casing, a tapered hopper carried by said colander, a grate removably carried by said tapered hopper, a burner mounted below said grate, a tubular flame distributor seated upon said grate and extending upwardly therefrom and having a plurality of apertures through its walls, and means for engaging and steadying the upper portion of said distributor.

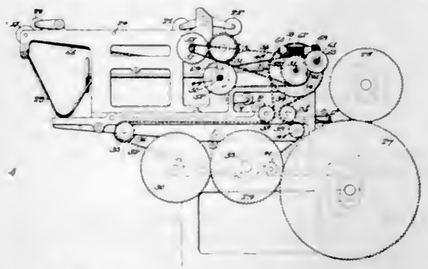


1,468,451. BEDLAMP SHADE. RUDOLPH W. ADE, Indianapolis, Ind. Filed Oct. 16, 1922. Serial No. 594,690. 3 Claims. (Cl. 240—108.)



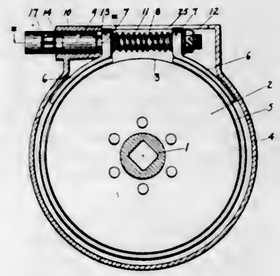
1. In a device for the purposes specified a side bracket, a top shade of translucent material laterally supported by the bracket and having a lower open portion, an opaque member closing said open position and having an opening on its underside, and a door regulating the discharge of light through said opening.

1,468,452. MACHINE FOR CUTTING AND FEEDING SHEETS OF DIFFERENT LENGTHS FROM A CONTINUOUS WEB. HOWARD M. BARBER, Stonington, Conn., assignor to C. B. Cottrell & Sons Company, New York, N. Y., a Corporation of Delaware. Filed Feb. 12, 1921. Serial No. 444,447. 14 Claims. (Cl. 164—68.)



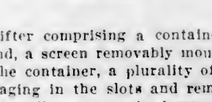
1. Means for cutting and feeding sheets of different lengths from a continuous web comprising a sheet cutting device having a uniformly rotating cutting member, and mechanisms separately driven by said rotary cutting member for controlling the feed of the web to cut sheets varying in length in multiples of a unit of measurement and in fractional parts of said unit.

1,468,453. BRAKE MECHANISM. EDWARD H. BELDEN, Toledo, Ohio, assignor, by mesne assignments, to The Willys-Overland Company, Toledo, Ohio, a Corporation of Ohio. Original application filed July 19, 1917, Serial No. 181,556. Divided and this application filed Mar. 14, 1919. Serial No. 282,619. 7 Claims. (Cl. 188—77.)



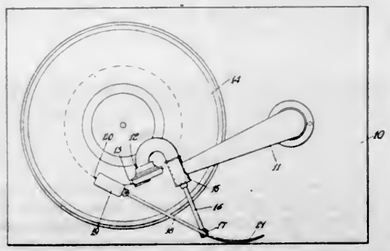
3. In a device of the class described, a housing, a drum within said housing, a bearing upon the housing, a plunger extending through said bearing, a brake band substantially surrounding said drum with its ends carried by said plunger, said bearing forming an abutment for one end of said band to limit its movement, the other end of said band being movable relatively thereto, yieldable means interposed between the ends of said band and serving to hold the non-movable end thereof in contact with said abutment, and a wedge operatively connected with said plunger for actuating the same.

1,468,454. FLOUR SIFTER. AUGUST Z. BOSE, Willits, Calif. Filed Apr. 30, 1923. Serial No. 635,488. 4 Claims. (Cl. 83—60.)



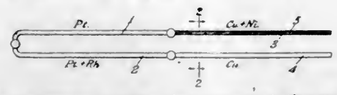
1. A flour sifter comprising a container having slots at the lower end, a screen removably mounted within the lower end of the container, a plurality of projections on the screen engaging in the slots and removable supporting members extending across the lower end of the container beneath and supporting said screen in place.

1,468,455. MULTIPLE SOUND-REPRODUCING APPARATUS. WILLIAM H. BRISTOL, Waterbury, Conn. Filed Feb. 4, 1922. Serial No. 534,008. 4 Claims. (Cl. 274—1.)



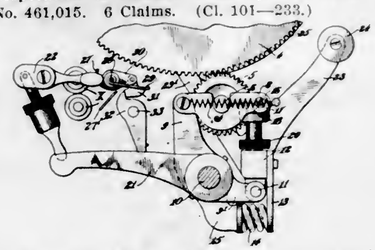
1. In a talking machine; a swinging arm, a plurality of sound reproducing elements, and means to connect same with the swinging arm to move therewith, one of the means including a universal connection.

1,468,456. THERMOELECTRIC COUPLE. WILLIAM H. BRISTOL, Waterbury, Conn. Filed Sept. 14, 1922. Serial No. 588,137. 2 Claims. (Cl. 171—73.)



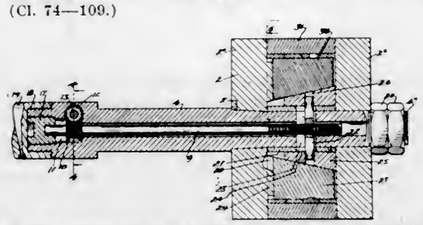
1. An extension portion for compound thermo-electric couples, consisting of a stranded wire, the individual strands of which have different potential values in the couple.

1,468,457. DUPLICATING AND LIKE PRINTING MACHINE. WALTER CHIPPERFIELD, Hornchurch, England, assignor to A. B. Dick Company, Chicago, Ill., a Corporation of Illinois. Filed Apr. 13, 1921. Serial No. 461,015. 6 Claims. (Cl. 101—233.)



1. In a duplicating machine, the combination of a printing cylinder, an impression roller, a throw-out lever, means operable thereby for moving said roller towards and away from said cylinder, means for preventing contact between said roller and cylinder, and means operated by the passage of a paper sheet into position to be printed upon, when said lever is in "throw-in" position, for overcoming said preventing means.

1,468,458. EXPANSIBLE PACKING DRUM FOR PUMP PISTONS AND THE LIKE. GROVER C. DEAKINS, Anaheim, and LELAND S. HAMER, Fullerton, Calif., assignors of one-third to Budd D. McAlvay, Anaheim, Calif., and one-third to Elihu C. Wilson, Los Angeles, Calif. Filed Nov. 11, 1919. Serial No. 337,330. 12 Claims. (Cl. 74—109.)

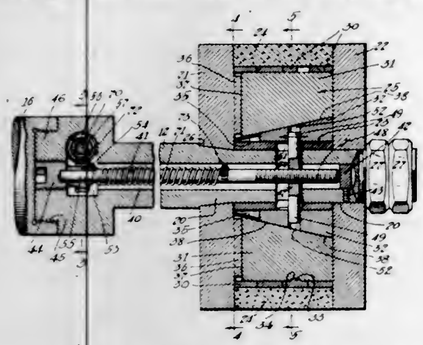


5. The combination of a piston, a piston rod, a packing, an expansible body formed with an inclined inner surface, means slidably mounted within the piston for engaging the inclined inner surface of said expansible body, a rotatable rod mounted in the piston rod, a dog engaging said means and screw threaded on said rotatable rod for longitudinal movement, means for holding said rotatable rod against longitudinal movement, and means for rotating said rotatable rod.

1,468,459. PACKING FOR PUMP PISTONS AND THE LIKE. GROVER C. DEAKINS, Anaheim, and LELAND S. HAMER, Fullerton, Calif., assignors of one-third to Elihu C. Wilson, Los Angeles, Calif., and one-third to Budd D. McAlvay, Anaheim, Calif. Original application filed Nov. 11, 1919, Serial No. 337,330. Divided and this application filed Sept. 22, 1921. Serial No. 502,472. 6 Claims. (Cl. 74—109.)

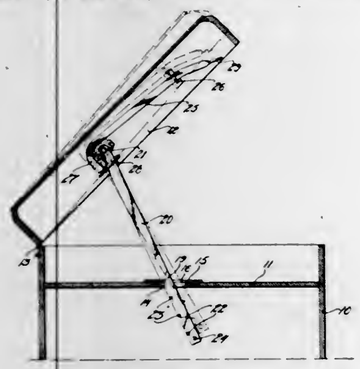
1. In combination with a piston, expansible packing, operating means for expanding the packing, a spring adapted

when under strain to tend to actuate said means, and a worm gear mechanism connected to the spring and



adapted to be actuated to put the spring under strain and of such pitch that it will not be operated by the spring.

1,468,460. LID SUPPORT. DONATO DI CARLO, Philadelphia, Pa. Filed Aug. 14, 1922. Serial No. 581,578. 1 Claim. (Cl. 217—60.)



In combination with a receptacle having a hinged lid, a slotted plate supported in the receptacle and having a cross bar; a supporting bar pivoted to the lid, taking through the slot, and having notches adapted to be seated on the cross bar, the notched side of the supporting bar normally engaging the cross bar, and a lever pivotally connected to the lid, having one end near the front of the lid and the other end bent over the pivoted end of the supporting bar and provided with a forwardly extending furcation adapted to engage the supporting bar below its pivot whereby pressure upon the forward end of the lever will swing the supporting bar clear of the cross bar.

1,468,461. ARTIFICIAL DENTURE. JAMES L. DICKSON, Chinook, Mont. Filed Dec. 28, 1921. Serial No. 525,417. 1 Claim. (Cl. 32—4.)



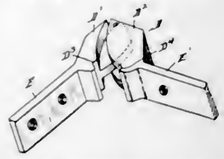
A means for repairing the teeth of an artificial denture wherein the plate is provided with sockets for the reception of the teeth, consisting of an artificial tooth provided with a passage therethrough, and a screw-threaded opening in the wall of the socket which is adapted to be alined with the passage in the tooth, said passage having a countersunk portion at its mouth, and a screw provided with a head inserted through the passage of the tooth and screwed into the threaded opening in the plate, a portion of the head of the screw being seated in and filling the countersunk portion of said passage, the extended portion of the head being ground off flush with the surface of the tooth, whereby the ground off surface of the head presents the appearance of a filling for the tooth.

1,468,462. REGISTRATION-FEED-BOARD-OPERATING MECHANISM. EDWARD F. DUDLEY, Oak Park, Ill., assignor to Miehle Printing Press and Manufacturing Company, Chicago, Ill., a Corporation of Illinois. Filed Mar. 3, 1921. Serial No. 449,513. 1 Claim. (Cl. 271—58.)



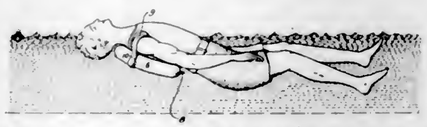
In a sheet-registration appliance of the character described having a movable registration-board adapted to bear the sheet, operating means for said board including a lever having pins outstanding from its side on opposite sides of its fulcrum, an apertured link designed to actuate said lever by receiving the one or the other pin in said aperture, and a spring yieldingly pulling said link toward said lever to maintain operative the pin and hole connection between the parts, whereby a slective registration movement of the board may be had by rendering the one or the other connection operative between the link and lever, substantially as described.

1,468,463. CORNER-BEAD CLAMP. ROBERT I. EDWARDS, Detroit, Mich. Filed Sept. 27, 1920. Serial No. 413,118. 7 Claims. (Cl. 72—128.)



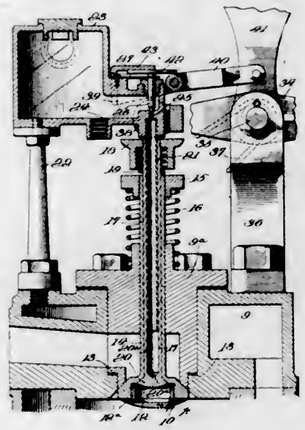
1. A bead clamp comprising means for gripping the bead, and including a securing shank having the inner surface thereof adapted to be positioned in predetermined relation with the finish surface of the wall when the bead is properly positioned at the corner thereof.

1,468,464. LIFE PRESERVER. ADOLPH D. ELIAS, Philadelphia, Pa. Filed Aug. 10, 1922. Serial No. 580,863. 1 Claim. (Cl. 9—17.)



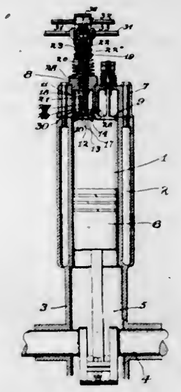
A life preserver comprising an annular inflatable body; flexible loops extending transversely from opposite points on the periphery of said body and having their ends encircle said body and being vulcanized thereto, said loops fitting closely around the arms, and an inflating valve at the peripheral edge of the body midway between said loops, adapting said device to be worn on the back or around the waist of a person.

1,468,465. INTERNAL-COMBUSTION ENGINE. ALBERT ERICKSON, Chicago, Ill., assignor of three-eighths to Charles Kratsch, Chicago, Ill., and three-eighths to Frederick C. Manning, Newark, N. J. Filed Dec. 5, 1917. Serial No. 205,512. 28 Claims. (Cl. 123—33.)



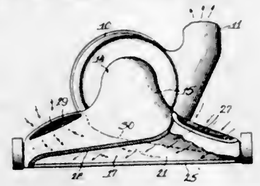
1. In an internal combustion engine, the combination with an engine cylinder of a valve for controlling the admission of a combustion supporting medium to said cylinder, a chamber in said valve, and means to supply a measured quantity of fuel to said chamber, said chamber being in constant communication with the engine cylinder through a plurality of small passages.

1,468,466. INTERNAL-COMBUSTION ENGINE. ALBERT ERICKSON, Chicago, Ill., assignor of three-eighths to Charles Kratsch, Chicago, Ill., and three-eighths to Frederick C. Manning, Newark, N. J. Filed July 16, 1919. Serial No. 311,253. 4 Claims. (Cl. 123—33.)



1. In an internal combustion engine, the combination with an engine cylinder, of a valve for controlling the admission of a combustion supporting medium to said cylinder, a chamber in said valve in communication with said engine cylinder through a plurality of small converging passages, and means to supply a measured quantity of fuel to said chamber.

1,468,467. CLEANING APPARATUS. WILLIAM W. FARNSWORTH, Chicago, Ill. Filed Oct. 31, 1921. Serial No. 511,696. 9 Claims. (Cl. 15—14.)



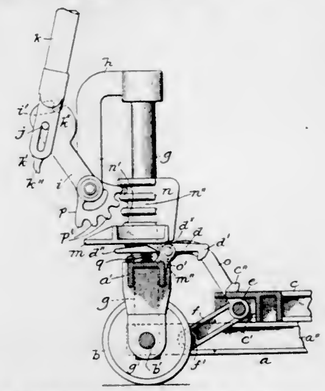
3. A cleaning apparatus nozzle provided with a narrow inlet slot adapted to be closed by the surface to be cleaned, said nozzle having a discharge outlet, and means for supplying counter currents of outside air to the surface adjacent the said inlet slot, and in directions lengthwise of the said nozzle.

1,468,468. MEANS FOR SECURING FINISH TO METAL BODIES. OTTO F. GRAEBNER, Toledo, Ohio, assignor to The Willys-Overland Company, Toledo, Ohio, a Corporation of Ohio. Filed June 15, 1918. Serial No. 240,260. 5 Claims. (Cl. 85—1.)



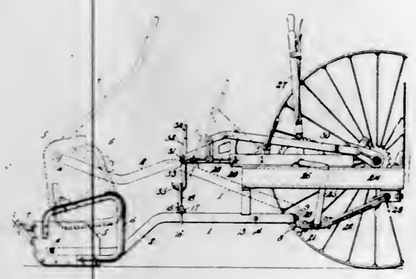
1. In a device for securing separable members together, a metallic plate having a plurality of tongues radiating from a common center, a threaded holding member of uniform cross section throughout its length driven between said tongues and held thereby, and a member held by said holding member.

1,468,469. TRUCK. HAROLD GREEN, Yonkers, N. Y., and WARREN M. LYMAN, Jersey City, N. J., assignors to Revolvator Company, Jersey City, N. J., a Corporation of New Jersey. Filed Apr. 10, 1922. Serial No. 551,329. 4 Claims. (Cl. 254—10.)



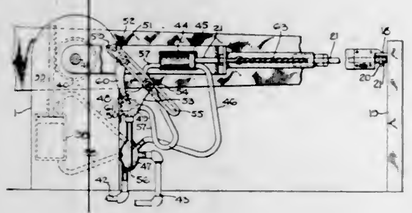
1. An apparatus of the character described, including a base; a load-carrying platform capable of being raised with respect to the base of the apparatus; retaining means for holding the platform in its raised position; releasing means controlling the retaining means and actuating the same to permit the platform to descend towards the base; and mechanism for locking the releasing means automatically at the end of the upward movement of the platform, whereby the inadvertent operation of the releasing means is prevented.

1,468,470. MEANS FOR CONNECTING EXCAVATING SCOOPS OR SHOVELS TO TRACTORS. WILLIAM CEPHAS GRIFFITH, Merrill, Oreg. Filed July 18, 1922. Serial No. 575,865. 5 Claims. (Cl. 37—140.)



1. A device of the class described, comprising spaced, parallel draw-bars adapted to be pivotally connected at their lower, rear ends to an excavating scoop, a transverse member connecting the spaced, forward ends of the bars and adapted to be connected to a tractor, an intermediate transverse bar adjustably mounted on the draw bars, an upstanding bail carried by the intermediate, transverse bar, and a lifting lever adapted to be fulcrumed intermediate its ends, on the tractor, said lever being provided with a foot plate at its upper end for rocking the same and having a hook at its lower end for engagement with the said bail to support the draw bars and scoop.

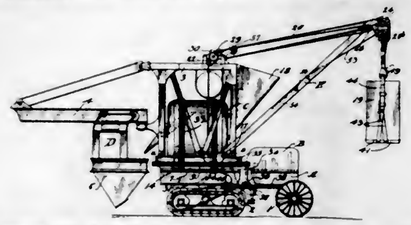
1,468,471. ROADWAY GATE. JACOB HARSEN, New York, N. Y. Filed Aug. 30, 1920. Serial No. 406,942. 5 Claims. (Cl. 39—8.)



1. In a gate structure, the combination with a gate, of power means for moving the gate, a lock for said gate including a bolt, a fluid pressure cylinder into which said bolt enters, a piston in said cylinder connected with the bolt, means for admitting fluid pressure to one side of said piston to move the bolt to unlocking position concomitantly with the application of the power means to open the gate, and means controlled by movement of the gate to closed position for admitting fluid pressure to the other side of said piston to actuate said bolt to locking position.

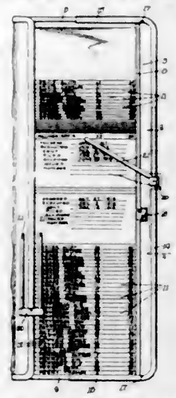
1,468,472. PAVER-MIXER CRANE. FERDINAND H. HEINE, Milwaukee, Wis., assignor, by mesne assignments, to Koehring Company, Milwaukee, Wis., a Corporation of Wisconsin. Filed Dec. 29, 1920. Serial No. 433,750. 26 Claims. (Cl. 214—17.)

1. In a machine of the class described, in combination, a mobile support, a concrete aggregates charging unit mounted on said support and comprising a crane including a base, a mixing unit adapted to receive the aggregates from the charging unit and to supply mixed



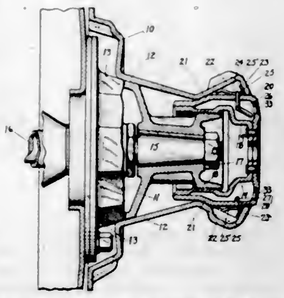
concrete to a distributing unit, and means supporting the mixing unit upon the base of the crane to stabilize the latter upon the support.

1,468,473. FILE-CARD HOLDER. JAMES J. JENNINGS, Oak Park, Ill., assignor to Arthur H. Boettcher, trustee, Chicago, Ill. Filed Nov. 17, 1920. Serial No. 424,620. 10 Claims. (Cl. 129—16.)



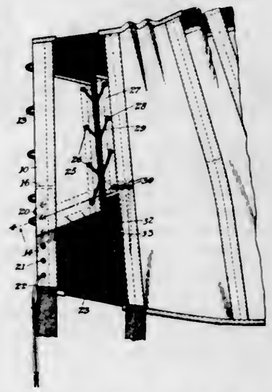
1. In combination, a card frame adapted to carry a plurality of cards having pivotal movement, means carrying the weight of said cards and slidable along one dimension of said frame for holding said cards in a desired position, and means for locking said first means in holding position.

1,468,474. HUB-CAP-LOCKING DEVICE. FRANCIS JERDONE, Jr., Toledo, Ohio, assignor to The Willys-Overland Company, Toledo, Ohio, a Corporation of Ohio. Filed Feb. 24, 1919. Serial No. 278,773. 5 Claims. (Cl. 301—9.)



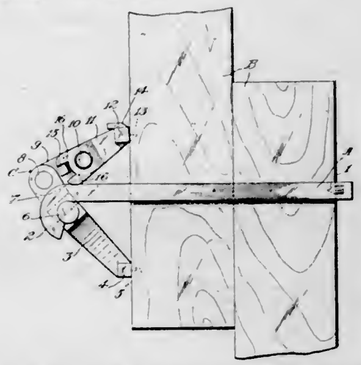
5. A locking member for preventing accidental displacement of a hub cap upon a hub comprising a spring, one end of which is adapted for engagement with said cap and the other end bent to form an inclined tool receiving loop having a locking projection adapted to releasably engage said hub.

1,468,475. APPAREL GARMENT. DANIEL KOPS, New York, N. Y., assignor to Kops Brothers, Inc., New York, N. Y., a Corporation of New York. Filed Apr. 29, 1922. Serial No. 557,342. 5 Claims. (Cl. 2—73.)



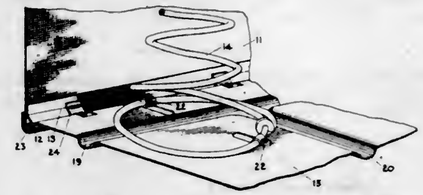
5. In an apparel corset and in each front portion thereof, a front steel section, an elastic fabric section extending between the front steel section and the adjacent portion of the body of the garment and also from the top to the bottom edges thereof, an inelastic strap secured along one edge to the front steel section extending upwardly from the lower end thereof, an inelastic strap secured along one edge to the forward section of the body of the garment along a portion of the adjacent edge of the elastic section, the said straps extending from approximately the waistline to the groin section of the garment, a lace threaded through the adjacent edges of the said straps and passing to the outer side of the garment for adjusting the said straps relatively to position in adjusting the garment on the body of the wearer, and a front skirt extension overlying the lower end of the front steel section.

1,468,476. TIMBER CLAMP. JOSEPH W. KEFFER, Chicago, Ill. Filed Jan. 16, 1923. Serial No. 612,930. 8 Claims. (Cl. 304—40.)



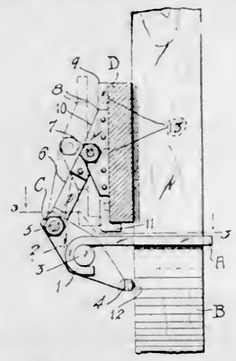
1. A clamp of the character described including a supporting member to engage one of a pair of members to be joined, and a lever and toggle mechanism pivotally mounted on said support, the opposite ends of said mechanism being adapted to engage the other of said pair of members to be joined and lock said clamp on said members.

1,468,477. SPRING-SEAT STRUCTURE. FRED B. KING, Toledo, Ohio, assignor to The Willys-Overland Company, Toledo, Ohio, a Corporation of Ohio. Filed Jan. 27, 1921. Serial No. 440,288. 7 Claims. (Cl. 155—180.)



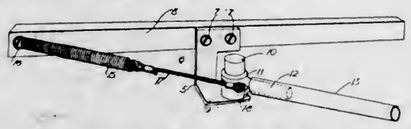
1. In a seat structure, a cushion provided with an apron, springs for supporting the cushion, a base formed of a single sheet of metal for supporting said springs, means integral with the base for securing the lower ends of the springs thereto at substantially opposite points, and means integral with the base for securing the lower edge of the apron thereto.

1,468,478. CLAMP FOR CONNECTING ANGULARLY-ARRANGED PIECES OF MATERIAL. JOSEPH W. KEFFER, Newark, N. J. Filed June 14, 1922. Serial No. 568,152. 10 Claims. (Cl. 304—40.)



1. A clamp for joining pieces of timber or the like, including a member adapted to be applied to one of a plurality of pieces of material to be joined, a lever pivotally mounted between its ends on said member and formed at one end to engage one of said pieces of timber, and a second member having one end pivotally connected to one end of said lever and the other end formed to engage a piece of timber.

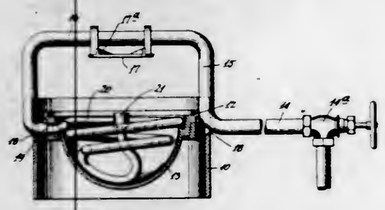
1,468,479. CURTAIN CARRIER. EDWARD E. LAMICA, Chester, S. C. Filed June 29, 1922. Serial No. 571,693. 1 Claim. (Cl. 296—139.)



An attachment of the character described comprising a bracket having a vertical portion adapted for attachment to a fixed part of a vehicle top and a horizontal

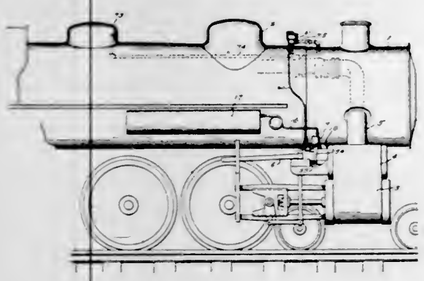
portion having an upstanding stud projection thereon, a sleeve rotatably mounted upon the upstanding projection and having a horizontal shank extending therefrom, a stiffening rod having a socket or bore adapted to slidably receive said shank, said rod being adapted to support a side curtain of a vehicle top at the upper end of the latter, and spring means arranged between the sleeve and the fixed part of the vehicle top for yieldingly resisting rotation of the sleeve in a direction outwardly from the body of the vehicle about the axis of the upstanding projection and for tending to cause rotation of the sleeve in a direction inwardly of the vehicle body.

1,468,480. OIL BURNER. JOHNSON D. LANGSTON, Birmingham, Ala. Filed Mar. 29, 1922. Serial No. 547,600. 4 Claims. (Cl. 158—63.)



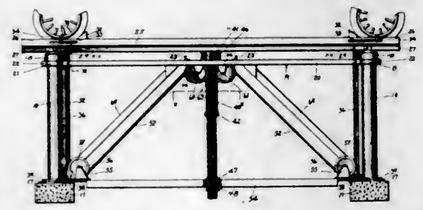
1. In a burner, an air drum, a superheating coil, terminating in a fuel nozzle, a deflector plate spaced from said nozzle, a generating bowl partially encasing said coil, said bowl and coil spaced from and below said deflector within said air drum to deflect the air supply currents and define a neutral zone whereby the combustion of fuel will be prevented until said fuel reaches said deflector plate.

1,468,481. FLUID-PRESSURE-CONTROL APPARATUS. SAMUEL H. LEWIS, Richmond, Va. Filed Nov. 19, 1920. Serial No. 425,087. 9 Claims. (Cl. 121—137.)



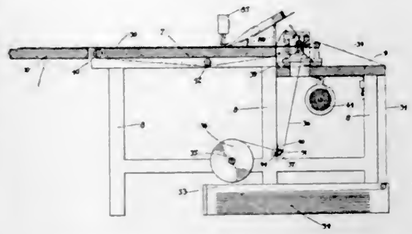
1. In apparatus for supplying steam to the cylinders of steam locomotives while in motion, a fluid pressure control member connected to a movable part of a locomotive to move in unison therewith and deliver fluid pressure therethrough in proportion to the speed of the locomotive, a cylinder communicating with said control member, said cylinder being arranged adjacent the steam supply pipe, a valve mounted in said supply pipe, a piston mounted in said cylinder and connected to said valve, said cylinder being provided with means to permit the gradual exhaust of a portion of the fluid delivered thereto, whereby the piston therein will be actuated to open the valve when the speed of the locomotive exceeds a predetermined point, and means for supplying steam to said cylinder on the opposite side of the piston to counteract said fluid under pressure.

1,468,482. HOISTING APPARATUS. ARTHUR D. LIGHTNER and EDWARD HOLMES, Toledo, Ohio, assignors to The Willys-Overland Company, Toledo, Ohio, a Corporation of Ohio. Filed Jan. 18, 1919. Serial No. 271,835. 22 Claims. (Cl. 187—17.)



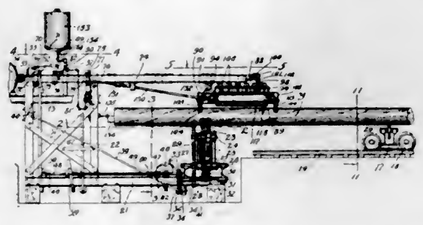
5. In an apparatus of the class described in combination, a movable frame, means for imparting vertical movement to the frame, and means including a system of cables and pulleys radiating from a point adjacent the center of the frame for maintaining the frame substantially horizontal during its period of movement.

1,468,483. FABRIC-MAKING MACHINE. HARRY TAYLOR LOOMIS, Brooklyn, N. Y. Filed Aug. 4, 1919. Serial No. 315,163. 42 Claims. (Cl. 154—1.)



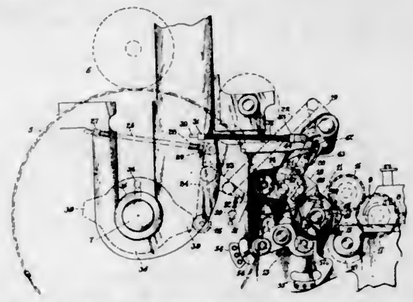
1. In an apparatus of the character described, in combination, mechanism adapted to feed a backing strip, a facing strip and a reinforcing strip into superposed relation, said mechanism including a belt having pins to engage and feed the backing strip and a roll having friction pins to engage and feed the facing strip, and means adapted to attach said strips together along a predetermined line.

1,468,484. POLE-PUNCTURING MACHINE. JAMES E. LYNCH and ARTHUR R. SANDT, Minneapolis, Minn., assignors to Page & Hill Company, Minneapolis, Minn., a Corporation of Minnesota. Filed Aug. 29, 1921. Serial No. 496,651. 12 Claims. (Cl. 144—2.)



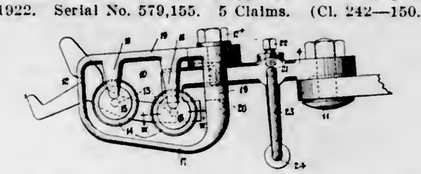
1. In a machine of the kind described, means for supporting and rotating a pole, and a power-driven reciprocating puncturing device arranged to puncture the surface of the pole while it is being rotated.

1,468,485. INKING MECHANISM FOR ROTARY PLATE-PRINTING MACHINES. FRANK C. MARQUARDT, Brooklyn, N. Y., assignor to American Bank Note Company, a Corporation of New York. Filed Oct. 25, 1919, Serial No. 333,324. Renewed Feb. 17, 1923. 17 Claims. (Cl. 101—351.)



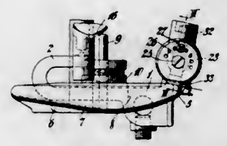
1. An inking mechanism of the character described, embodying therein an inking roll, means applying ink thereto, actuating means for said inking roll operating in synchronism with the movement of a plate to be inked, whereby said inking roll is moved into, and out of, engagement with the plate, to ensure the application of ink to only a portion of said plate and means whereby said actuating means may be made inoperative to impart movement to said roll.

1,468,486. TENSION MECHANISM. JOHN O. MCKEAN, Westfield, Mass., assignor to Foster Machine Company, Westfield, Mass., a Corporation of Massachusetts. Original application filed Apr. 18, 1922, Serial No. 555,121. Divided and this application filed Aug. 2, 1922. Serial No. 579,155. 5 Claims. (Cl. 242—150.)



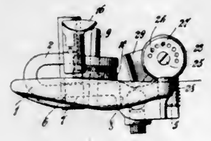
2. In a tension mechanism, an element having a narrow elongated thread contact surface, and a plurality of tension devices therefor arranged to act as a unit on a single thread, each comprising a vertically disposed pin, and a gravity washer loosely mounted on the pin and extending beyond the side edges of said contact surface.

1,468,487. SLUB CATCHER. JOHN O. MCKEAN, Westfield, Mass., assignor to Foster Machine Company, Westfield, Mass., a Corporation of Massachusetts. Filed Oct. 28, 1922. Serial No. 597,604. 20 Claims. (Cl. 28—64.)



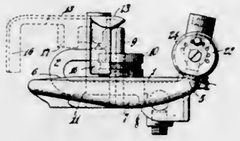
1. In a slub catcher, two coacting members, one having a yarn receiving slot and the other a graduated surface disposed lengthwise along said slot to form a yarn clearing hole, the last named member being movable to bring different portions of said graduated surface within said slot to change the size of the hole, said last named member being also movable to open the hole.

1,468,488. SLUB CATCHER. JOHN O. MCKEAN, Westfield, Mass., assignor to Foster Machine Company, Westfield, Mass., a Corporation of Massachusetts. Filed Oct. 28, 1922. Serial No. 597,605. 8 Claims. (Cl. 28—64.)



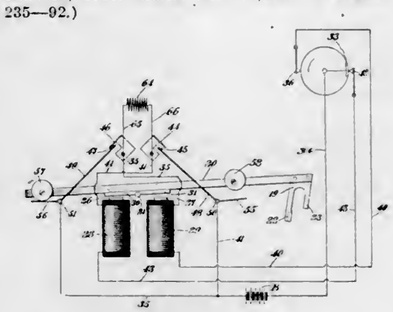
1. In a slub catcher, two coacting members, one having a yarn receiving slot and the other having a graduated surface disposed lengthwise along said slot to form a yarn clearing hole, the last named member being movable to bring different portions of said graduated surface within the slot to change the size of the hole, said last named member being also movable bodily to open the hole, and means carried by the movable member for deflecting the yarn before it reaches the hole to require the opening of the hole for the proper threading of the yarn.

1,468,489. YARN TENSION DEVICE. JOHN O. MCKEAN, Westfield, Mass., assignor to Foster Machine Company, Westfield, Mass., a Corporation of Massachusetts. Filed Nov. 10, 1922. Serial No. 600,093. 6 Claims. (Cl. 242—150.)



1. In a device for tensioning yarn, a suitable yarn support, a pin uprising therefrom, a weighted tension washer loosely mounted on said pin, a washer guard pivoted on the support to swing laterally into and out of its operative position, and additional means for yieldingly holding the guard in its operative position.

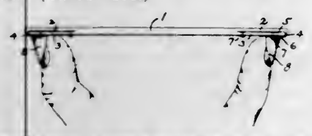
1,468,490. ELECTROMAGNETICALLY-OPERATED COUNTER. HERBERT L. MERRICK, Passaic, N. J. Filed June 13, 1917. Serial No. 174,420. 8 Claims. (Cl. 235—92.)



1. The combination with a counter, and a source of electricity, of a wheel having an uneven number of teeth operatively connected with the prime mover of the counter; an oscillatory lever; a pawl carried at one end of the lever having a pair of pallets to engage at opposite peripheral portions of the wheel and to have movement in a line parallel with the movement of the teeth of said wheel, said pallets being constructed and arranged so that one pallet will engage a tooth and advance the wheel when the lever

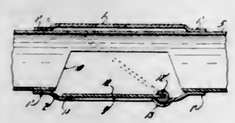
is moved in one direction and the other pallet will engage another tooth and advance the wheel when the lever is moved in reversed direction; a casing in which said mechanism is mounted and enclosed; a pair of electromagnetic means in circuit with the source of electricity alternately operative to oscillate the lever; and a circuit breaker in the circuit of each magnet operative by the lever to open and close the circuit to one magnet alternately with the opening and closing of the circuit for the other magnet.

1,468,491. RAZOR STROP. CHARLES S. BEARDSLEY, Canton, Ohio. Filed Dec. 18, 1918. Serial No. 267,279. 8 Claims. (Cl. 51—198.)



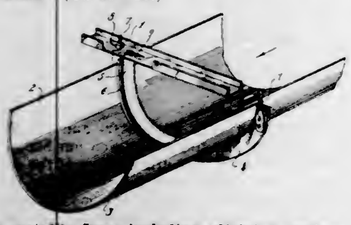
4. A razor strop having inwardly facing and inclined crescent flanges forming thumb and finger holds on the reverse side at each end thereof.

1,468,492. CUT-OUT FOR MUFFLERS OF EXPLOSIVE ENGINES. EARL BROOKINS, Glendale, Calif. Filed May 25, 1922. Serial No. 563,696. 1 Claim. (Cl. 251—125.)



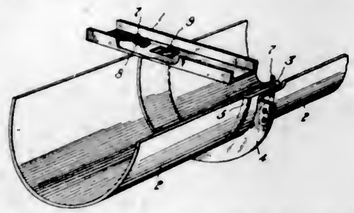
A cut-out for the control of the exhaust products of gas engines, the same comprising upper and lower portions united to form a body surrounding the exhaust pipe, the lower body portion being extended slightly below the lower side of the exhaust pipe and terminating in a bottom with an opening therein which lies close to an opening in said exhaust pipe, the opening in said bottom being inclosed at the sides and one end by a flat marginal portion which forms a valve seat, and at the other end by a transverse concave portion forming a shaft bearing, and an arm extension on an end of the said lower portion, a flap valve seating upon the side and end margins of said opening immediately below the opening in the exhaust pipe, a shaft to which said valve is united at one end, said shaft having a bearing in the said transverse concave portion of said bottom, a perforated disk connectible to either end of said shaft and having an extension therefrom, a spring connected to said extension and to the arm extension of the lower body portion, and an operating lever having one end of disk form connectible in different positions to the said perforated disk.

1,468,493. METALLIC FLUME. WILLIAM L. CALDWELL, Canton, Ohio, assignor, by mesne assignments, to United Alloy Steel Corporation, Canton, Ohio, a Corporation of New York. Filed Nov. 17, 1919. Serial No. 338,695. 6 Claims. (Cl. 61—15.)



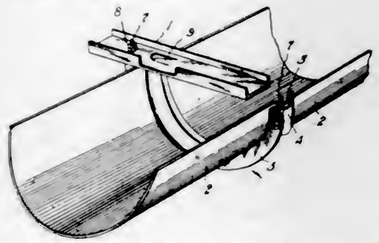
1. A metallic flume including adjoining sections having overlapping ends, external integral stiffening and clamping means on the outerlapped end, and a pressure bar inside the innerlapped ends, and means at the ends of the external stiffening means for clamping the innerlapped end between the stiffened end and the pressure bar.

1,468,494. METALLIC FLUME. WILLIAM L. CALDWELL, Canton, Ohio, assignor, by mesne assignments, to United Alloy Steel Corporation, Canton, Ohio, a Corporation of New York. Filed Nov. 17, 1919. Serial No. 338,696. 6 Claims. (Cl. 61—15.)



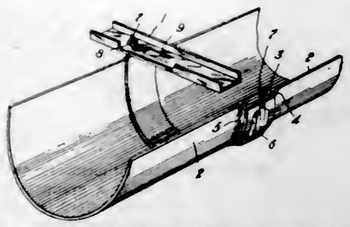
1. A metallic flume, including adjoining sections having overlapped ends, a transverse hanger adjacent to the edges of the overlapped ends, external integral stiffening means on the outerlapped end, integral pressure and stiffening means on the inner side of the innerlapped end abutting the hanger, and means at the ends of the external stiffening means for clamping the outerlapped ends against the innerlapped end.

1,468,495. METALLIC FLUME. WILLIAM L. CALDWELL, Canton, Ohio, assignor, by mesne assignments, to United Alloy Steel Corporation, Canton, Ohio, a Corporation of New York. Filed Nov. 17, 1919. Serial No. 338,697. 6 Claims. (Cl. 61—15.)



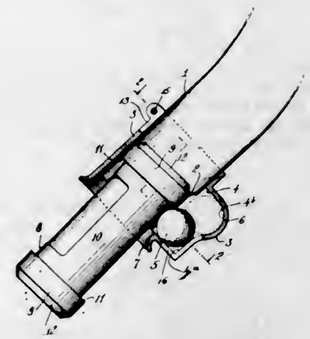
1. A metallic flume including adjoining sections having overlapped ends, a transverse hanger adjacent to the edges of the overlapped ends, external integral stiffening means on the overlapped end and a peripheral corrugation on the innerlapped end abutting the hanger and means on the ends of the external stiffening means for clamping the outerlapped end against the innerlapped end.

1,468,496. METALLIC FLUME. WILLIAM L. CALDWELL, Canton, Ohio, assignor, by mesne assignments, to United Alloy Steel Corporation, Canton, Ohio, a Corporation of New York. Filed Nov. 17, 1919. Serial No. 338,698. 2 Claims. (Cl. 61—15.)



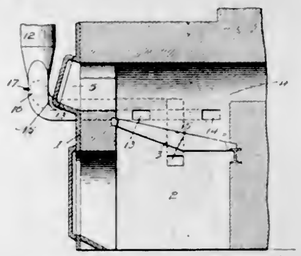
1. A metallic flume including adjoining sections having overlapped ends, a transverse hanger adjacent to the edges of the overlapped ends, means connected with the hanger for clamping the overlapped ends against the innerlapped end, there being outwardly extending tongues struck downward from the hanger inside the edges of the innerlapped end and wedged upward against the same to press them outward against the edges of the overlapped end.

1,468,497. CARRIER CHECK FOR PNEUMATIC-DISPATCH-TUBE SYSTEMS. WILLIAM H. DINSPEL, New York, N. Y., assignor to Atlas Devices Company, Inc., a Corporation of New York. Filed Oct. 11, 1921. Serial No. 507,094. 12 Claims. (Cl. 243—38.)



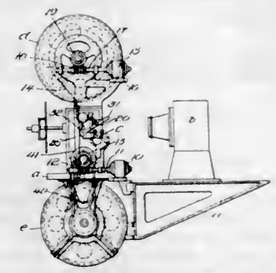
1. In a pneumatic despatch tube system having an upwardly extending sending tube, a carrier check comprising a gravity actuated stop situated at a point in the tube, and means on the carrier adapted to be engaged by the stop, said stop being held by gravity in a position to normally restrict the cross-sectional area of the tube, and which is constructed and arranged to permit forward movement of the carrier through the tube, and operable upon reverse movement of the carrier toward the sending end of the tube to engage said means on the carrier and prevent continuance of the reverse movement of the latter, under the action of gravity beyond said point.

1,468,498. FURNACE. AUGUST M. DUVAL and PORTER C. FARRIS, Brazil, Ind. Filed Oct. 4, 1921. Serial No. 505,429. 6 Claims. (Cl. 110—75.)



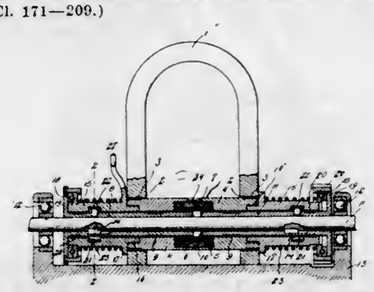
1. In a furnace structure a body portion having means to constitute a fire box, bridge wall, an ash pit and grate bars interposed between the box and pit, said body portion further provided at each side of the fire box with a pair of horizontally disposed air conducting flues leading from the front of the body portion, the flues of each pair opening into the front and rear of the fire box through one side thereof above the grate bars forwardly of the bridge wall, and said body portion further provided at each side of the fire box with an air conducting flue leading from the front of the body portion and opening into the ash pit through a side wall thereof below the grate bars forwardly of and independent of the bridge wall.

1,468,499. MOTION-PICTURE MACHINE. CHARLES S. FRANGOS, Newark, N. J. Filed May 5, 1922. Serial No. 558,731. 4 Claims. (Cl. 88—17.)



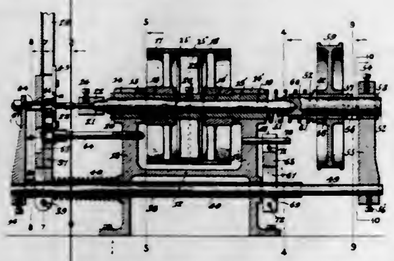
1. In a motion picture machine, the combination with upper and lower film reels and a film feed mechanism interposed therebetween and including the light medium of the machine, of an electric motor for operating said film feed mechanism for the feeding of the film from the upper reel to the lower reel, a second electric motor for operating the upper reel for the rewinding of the film thereon, a switching device having contacts connected to said electric motors and to the lighting medium, a switch blade pivoted at one end and operable between said contacts and having its pivoted end toothed, a rack bar in mesh with the toothed end of said switch blade, and projections attached at the opposite end portions of the film and adapted to operate said rack bar correspondingly with the opposite directioned movements of the film to and from the upper of the reels to shift said blade relative to said contacts to control the operation of said motors and the light medium.

1,468,500. MAGNETO. PERCY W. FULLER, Washington, D. C., assignor to John C. W. Beall, Washington, D. C. Filed Oct. 12, 1921. Serial No. 507,257. 4 Claims. (Cl. 171—209.)



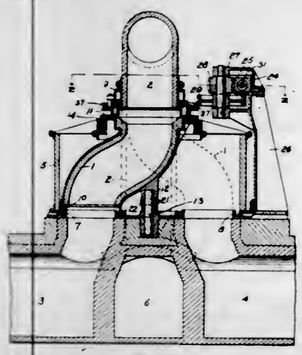
1. In magneto construction, a magnet designed to produce a magnetic flux and formed with alining openings adjacent to the ends thereof, pole pieces mounted in said openings and capable of movement therein, windings within said pole pieces and arranged within the influence of the magnetic flux set up by the pole pieces of said magnet, mechanically operated means within said windings for varying the flow of the magnetic flux through the same whereby an electrical current will be produced within said windings, and means for moving said pole pieces relative to said first mentioned means to change the timing of the current in the outside circuit.

1,468,501. NUT-TAPPING MACHINE. BERTIS F. HAMILTON, Flint, Mich. Filed Mar. 8, 1922. Serial No. 541,992. 8 Claims. (Cl. 10—136.)



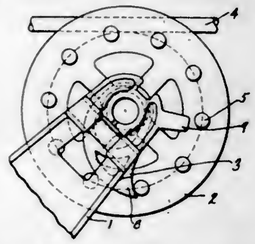
1. A nut tapping machine comprising a bodily shiftable work holder provided with means for the gravity feed of the work to be operated on, a longitudinally shiftable tapper bit operating shaft shiftable rearwardly by said work holder, a longitudinally shiftable supporting shaft mounted on the rear end of said bit operating shaft, a spring controlled work holder shifting mechanism having an element thereof extending into the holder for holding the work therein in position to be operated on and for shifting the holder to and from said bit operating shaft, means cooperating with said bit operating shaft for driving it in an anticlockwise direction when shifted forwardly by the engagement of the bit with the work and in a clockwise direction when shifted rearwardly by said holder, and means mounted on said supporting shaft for operating said shifting mechanism to move the holder towards the bit operating shaft and further to provide for the holder shifting the shaft rearwardly.

1,468,502. REVERSING VALVE. ALBERT T. KELLER, Baltimore, Md. Filed Oct. 31, 1919, Serial No. 334,775. Renewed Feb. 11, 1922. Serial No. 535,948. 1 Claim. (Cl. 137—148.)



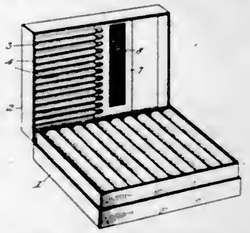
In a regenerative furnace, a stack flue, regenerator flues, a reversing valve box provided with ports to said regenerator flues, a tube having a portion extending outside of said box to said stack flue and a portion inside of said box and extending to one of said ports, a fluid seal between the exterior of said outside portion and said box, a fluid seal between said outside portion and said stack flue, a fluid seal between said inside portion and the port to which it is connected, means operated externally of said box for making and breaking said latter mentioned seal, and mechanism outside of said box for changing the connection of said inside portion to another of said ports; said seal and mechanism functioning as described without breaking said first two mentioned seals.

1,468,503. TROLLEY WHEEL. JESS D. KIMMEL, Dayton, Ohio. Filed June 18, 1923. Serial No. 646,021. 5 Claims. (Cl. 191—59.1.)



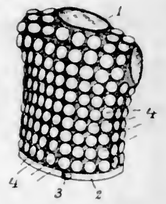
1. A trolley wheel including in combination with a series of lugs arranged on the side of the wheel, a pawl supported on the hub of said wheel and adapted to engage one of said lugs and the trolley harp whereby to prevent rotation of the wheel in one direction.

1,468,504. MATCH-HOLDING CIGARETTE CONTAINER. WALTER H. KING, Denver, Colo. Filed Apr. 1, 1922. Serial No. 548,592. 1 Claim. (Cl. 206—48.)



In a device of the character described, the combination with a box cover of a strip provided with a plurality of parallel match-receiving corrugations alternating with flat portions and terminating in a flat end portion, said flat portions being adhesively secured to the inner face of said cover, said corrugations being substantially half the length of the cover and said end portion having a sanded surface.

1,468,505. SAFETY BATHING SUIT. LOUIS LA RIZZA, Revere, Mass. Filed May 26, 1922. Serial No. 563,787. 1 Claim. (Cl. 9—20.)

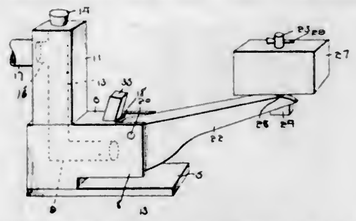


A swimming suit comprising a fabric fitted to the body of a person and a multiplicity of thin cork disks stitched thereto with their flat surfaces against the fabric.

1,468,506. VALVE. FRANCIS LEWIS and WALTER W. MILLER, Herrin, Ill. Filed Aug. 2, 1920. Serial No. 400,698. 3 Claims. (Cl. 137—104.)

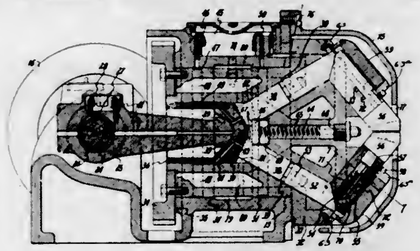
1. In a mine sump valve, a valve body adapted to be immersed in the water gathering in a sump and having a passage therethrough, a valve seat at the inlet end of the

passage, a valve normally closed on said seat by its own weight and retaining the water in which the valve body



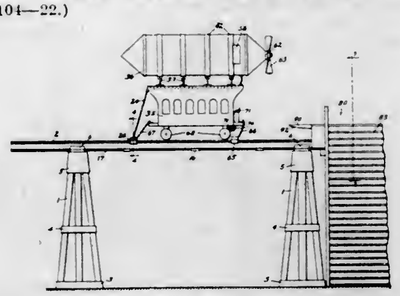
is immersed below a predetermined level, and a float actuating said valve to open position upon a rise of the water above the said level.

1,468,507. SWAGING MACHINE. NEAL TRIMBLE MCKEE, London, England, assignor to Superheater Company, New York, N. Y., a Corporation of Delaware. Filed Feb. 8, 1922. Serial No. 535,019. 7 Claims. (Cl. 78—20.)



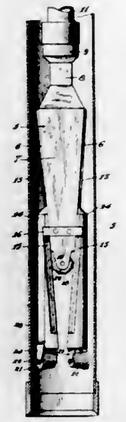
1. In apparatus of the class described, the combination of a die head having a longitudinal axis, the head having two bores diverging from one point in the axis and two other bores intersecting them and converging from the intersections toward another point in the axis and a reciprocable member in each bore; each pair of members meeting at the said two intersections engaging along a plane forming an acute angle with each of the two bores.

1,468,508. ELEVATED AERIAL TROLLEY TRANSPORT. GEORGE F. NILSSON, Sr., Pasadena, Calif. Filed Apr. 30, 1923. Serial No. 635,432. 3 Claims. (Cl. 104—22.)



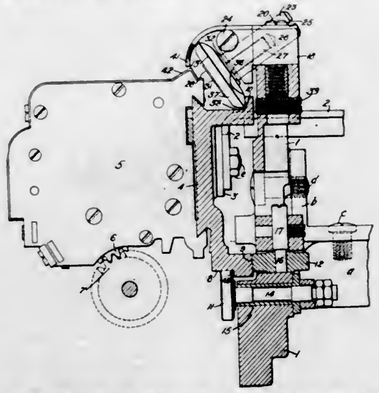
1. In a transport as disclosed, a rail, a floating car, a propeller for driving said car, a trolley traveling along said rail, and electrical means supplied by electricity by said trolley for rotating said propeller and driving said car adjacent said rail, stations along said rail at suitable distances apart, said stations including two longitudinal side rails, a rack under one of said rails, a roller and a pinion journaled on the car for respectively engaging the under side of one of said rails and said rack on the other rail for directing said car into said stations and for holding said car down in said stations, and electrical means for driving said pinion to cause said car to travel through said station, said electrical means being supplied with electricity by said trolley.

1,468,509. DRILL. ROSCOE E. OVERMAN, Los Angeles, Calif. Filed Oct. 26, 1920. Serial No. 419,577. 7 Claims. (Cl. 255—75.)



1. A drill comprising a wedge-shaped shank formed with a longitudinal bore and having dove-tail ribs extending lengthwise of its inclined sides, a tapered slip formed with a dove-tail slot on its inclined face slidably engaging the dove-tail rib on the shank, a slip being mounted on each inclined face of the shank, means for limiting longitudinal movement of the slips and shank relative to each other, a pair of axially aligned crushing rollers on the lower end of the shank, and a complementary crushing roller on the lower end of each slip.

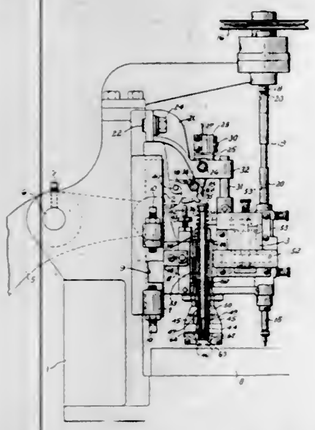
1,468,510. CALCULATING MACHINE. ARTHUR F. POOLE, Pelham Manor, N. Y., and FREDERICK A. HART, New Britain, Conn., assignors to Remington Accounting Machine Corporation, New York, N. Y., a Corporation of New York. Filed Sept. 29, 1922. Serial No. 591,296. 17 Claims. (Cl. 235—59.)



1. In a calculating machine, the combination with a calculator truck, and means for guiding said truck comprising a guide track on the truck, and a roller that

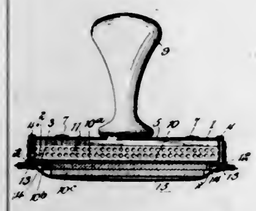
coacts with said track to resist a forward thrust of the truck and also to limit an upward thrust thereof, the roller being fixed against traveling movement but free to rotate on its own axis.

1,468,511. WIRE FEEDING AND CUTTING-OFF MECHANISM. WILLIAM E. PRIMROSE, Bridgeport, Conn., assignor to Challenge Cutlery Corporation, Bridgeport, Conn., a Corporation of Connecticut. Filed Jan. 31, 1921. Serial No. 441,241. 24 Claims. (Cl. 29—26.)



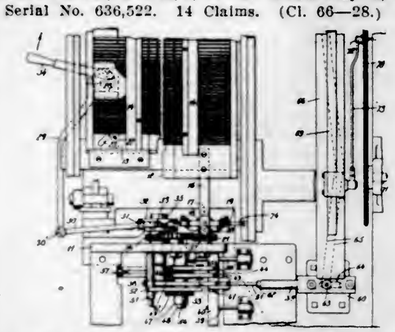
1. A machine of the character described, comprising a reciprocating head, actuating means therefor, means carried by the head normally gripping the wire, a fixed support, a latch pivoted to said support for releasing said gripping means from the wire on the return travel of the head, and an adjustable tripper carried by the head for tripping said latch after a measured portion of said return travel of the head has been completed, thereby permitting said gripping means to re-engage said wire.

1,468,512. STENCIL HAND STAMP. GEORGE THOMAS PRITCHARD, Norfolk, Va. Filed Mar. 24, 1921. Serial No. 455,175. 3 Claims. (Cl. 101—125.)



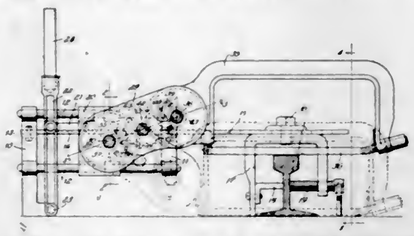
1. In a stencil hand stamp, a casing having means for receiving and distributing stencil ink including a pad projecting therefrom, clips rigidly mounted on the opposite ends of the casing and narrower than the pad from which the clips are spaced by the casing, and a stencil frame having its ends bearing on said casing and each end provided with a notch of a size to permit the ends of the stencil frame to be engaged with the clips and held thereby, the projection of the pad from the casing causing the stencil frame to be flexed inwardly at its ends where entering the clips.

1,468,513. KNITTING MACHINE. LADISLAUS ROBACZYNSKI, Brooklyn, N. Y. Filed May 4, 1923. Serial No. 636,522. 14 Claims. (Cl. 66—28.)



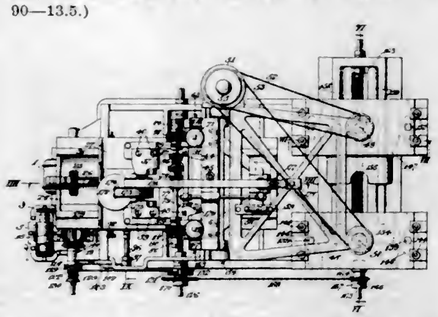
1. The combination with a knitting machine having a pair of needle plates and means for shifting said plates longitudinally with respect to one another, of means for moving said plates laterally with respect to one another, and power driven means operatively connected to and actuating said longitudinally shifting means and said laterally shifting means.

1,468,514. SAW. EMIL W. K. ROE, Chicago, Ill., assignor to The Aldon Company, Chicago, Ill., a Corporation of Illinois. Filed Dec. 12, 1921. Serial No. 521,615. 14 Claims. (Cl. 29—73.)



1. The combination of a saw, means pivotally connected to the saw at a single point for supporting the saw in operative position and permitting it to feed through the work by a rotary movement, the saw feeding equally throughout its entire length and means for causing said saw to feed through a series of parallel positions.

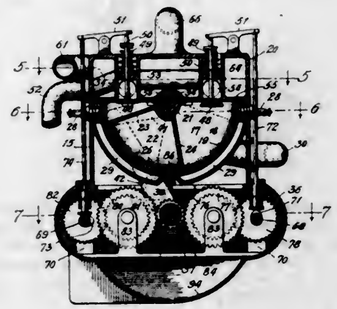
1,468,515. DIE-SINKING MACHINE. WALTER E. SARGENT, Detroit, Mich. Filed Oct. 10, 1918, Serial No. 257,677. Renewed July 11, 1923. 31 Claims. (Cl. 90—13.5.)



1. A machine of the character described comprising, a tool carrying frame, means for supporting said frame, means for carrying said frame supporting means, and

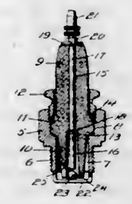
mechanism for moving the last named means in one direction and for moving the frame supporting means on its carrying means in another direction.

1,468,516. EXPLOSIVE ENGINE. JOHN J. SCHILLER, Chicago, Ill., assignor to Charles F. Schiller, Cicero, Ill. Filed Nov. 23, 1918. Serial No. 263,817. 2 Claims. (Cl. 123—18.)



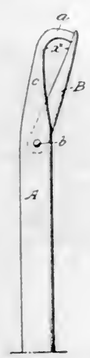
1. In an explosive engine, the combination of a casing comprising a body having a plurality of parallel arcuate cylinders therein, separated pistons working in said cylinders respectively, an oscillatory shaft rigid and coaxial with and operated by the pistons, the casing comprising a crank-case adapted to contain lubricant and disposed under said body and the cylinders, a crank-shaft driven by the piston-shaft, disposed in the crank-case so it will splash lubricant therein, said body forming a top for the crank-case and having a restricted opening therein through which lubricant will be splashed to the pistons to lubricate the cylinders, and mechanism for controlling the supply of fuel to its compression in and the exhaust from the cylinders.

1,468,517. ELECTRICAL SPARKING DEVICE. WALTER C. SCHNEIDER, Adams, Wis. Filed Jan. 7, 1922. Serial No. 527,642. 2 Claims. (Cl. 123—169.)



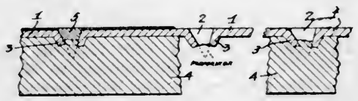
1. A spark plug for internal combustion engines comprising a metallic shell, a core of insulation mounted therein, an electrode disposed concentrically of said core and having its inner end positioned above the inner end of the latter, an electrode formed integral with and extending across the inner end of the shell and further spaced below the inner end of the core, and a freely movable globular metallic element extended within the inner end of the core, and interposed between the opposed portions of said electrodes and operable under the force of the explosions in an engine cylinder to prevent accumulation of carbon and oil on the oppositely acting sparking surfaces of said electrode, and said core having its inner end provided with a plurality of equidistantly spaced outwardly flared recesses opening through the core in line with the spark gap between the electrodes.

1,468,518. KNITTING-MACHINE NEEDLE. ROBERT W. SCOTT, Babylon, N. Y. Filed Feb. 5, 1921. Serial No. 442,749. 1 Claim. (Cl. 66—5.)



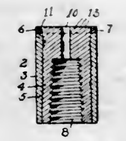
A knitting machine needle, having a latch and a loop-taking hook with substantially no return bend, leaving a large opening for the yarn between the inner side of the upper part of the shank and the latch.

1,468,519. LAMINATED HORN AND PROCESS OF MAKING SAME. BAGSTER ROADS SEABROOK, Mishawaka, Ind., assignor, by mesne assignments, to Lyradioni Manufacturing Company, Mishawaka, Ind., a Corporation of Delaware. Filed Oct. 24, 1921. Serial No. 510,004. 10 Claims. (Cl. 154—2.)



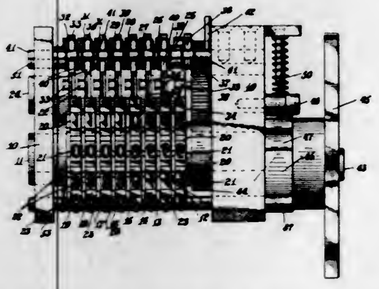
1. The process of producing sound conveying devices, consisting in forming a plurality of perforations in a fibrous sheet, in shaping the sheet to the desired form, in applying a plastic self-setting composition to the sheet, and in causing the composition to enter the perforations so as to effectively lock the composition and sheet to each other.

1,468,520. BILLIARD CUE. CHARLES E. SEEMAN and LOUIS V. BARACH, Pittsburgh, Pa. Filed Oct. 12, 1922. Serial No. 593,996. 5 Claims. (Cl. 46—9.)



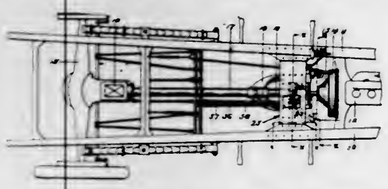
1. The combination with a tapering cue having a tenoned end, of a ferrule, a plug mounted in said ferrule, said tenioned cue end mounted in said plug, a collar secured to the lower end of said plug and forming a seat in conjunction therewith and a cue tip adhesively secured to said seat, said seats formed with recesses capable of augmenting the adhesive qualities of the agent connecting the cue tips to said seat, the lower end of said plug projecting from said ferrule and formed with a flare adapted for locking said collar in position on said plug.

1,468,521. NUMBERING HEAD. AMOS H. SMITH, Brooklyn, N. Y., assignor to American Bank Note Company, New York, N. Y., a Corporation of New York. Filed Aug. 10, 1921, Serial No. 491,063. Renewed Feb. 17, 1923. 10 Claims. (Cl. 101—85.)



1. A numbering head embodying therein a sequence of digit wheels each having a plurality of gear teeth thereon, the tops of said teeth being formed as a printing surface, and said wheels being independently rotatable about a common axis, and means for progressively actuating said digit wheels comprising a sequence of transfer wheels each independently mounted to rotate about an axis counter to that of said digit wheels, one transfer wheel being associated with each digit wheel, and each transfer wheel having gear teeth thereon adapted to co-operate with the gear teeth upon the digit wheel with which it is associated, one of the teeth of each of said transfer wheels being laterally extended to engage the teeth of the digit wheel of next higher denomination, and means for actuating the transfer wheel associated with the digit wheel of lowest denomination.

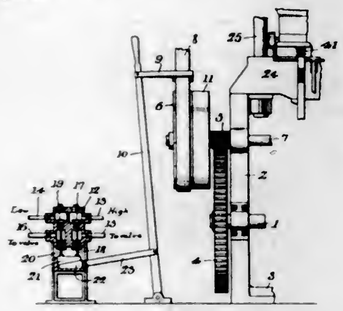
1,468,522. SUPPORT FOR CONTROLLED MECHANISM. LELE K. SNELL and CHARLES W. MCKINLEY, Toledo, Ohio, assignors to The Willys-Overland Company, Toledo, Ohio, a Corporation of Ohio. Filed Jan. 6, 1919. Serial No. 269,829. 18 Claims. (Cl. 180—77.)



1. A unitary supporting base for the controlling lever mechanisms of a motor vehicle assembly having channel side frames, comprising an arched pressed metal support and brace, provided with integral depending legs adapted to support and secure said supporting base to the channel shaped side frame members of the vehicle chassis, said supporting base carrying means to support the controlling lever mechanisms, in a manner set forth.

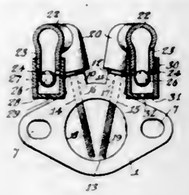
1,468,523. HYDRAULIC PRESS. FRANCIS E. STEVENSON, Mount Gilead, Ohio, assignor to The Hydraulic Press Manufacturing Company, Mount Gilead, Ohio. Original application filed Mar. 10, 1922, Serial No. 542,623. Divided and this application filed June 22, 1922. Serial No. 570,110. 10 Claims. (Cl. 25—55.)

1. A press comprising a mold, a charging device, power means for operating the mold and charging device, a platen, hydraulic means for operating the platen, and means for simultaneously disconnecting the power means and cutting off the hydraulic means from the source of pressure regardless of the position of the operating parts of the press.



7. In a press, a valve mechanism comprising a plurality of valves, stems disconnected therefrom but adjacent the same, a three-armed lever of which two arms lie adjacent the valve stems, a sliding means engaging the third arm of the lever to operate the same, and cam means for controlling the sliding movement of said means.

1,468,524. VAPORIZING ATTACHMENT. LEO G. STRANSKY, Pukwana, S. Dak. Filed Mar. 10, 1923. Serial No. 624,303. 9 Claims. (Cl. 48—180.)



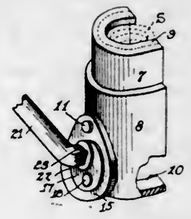
1. A vaporizing attachment comprising a body portion having an opening adapted to communicate with the intake manifold of an engine, said body portion further provided with air conducting passages leading to said opening, extensions on said body portion provided with passages registering with the passages in the body portion, means supported from said extension for restricting the supply of air through said passages on the suction stroke of the engine, the passages in said body portion disposed at an inclination and extending in opposite directions with respect to each other, the passages in said extensions extending in the direction of the passages in said body portion, and foraminous pipes mounted in said registering passages and extending into the opening of said body portion.

1,468,525. PROCESS OF PRODUCING ORNAMENTAL SURFACES. FERDINAND STRAUSS, New York, N. Y. Filed Jan. 11, 1922. Serial No. 528,392. 2 Claims. (Cl. 41—22.)



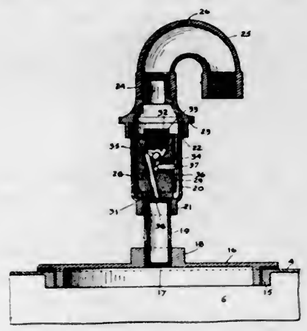
2. The method of decorating surfaces which comprises first coloring the surface to be decorated; applying a film of transparent adhesive to the colored surface; applying to said film of transparent adhesive a plurality of layers of thin tissue paper with transparent adhesive between each layer of paper; applying a film of adhesive to the last layer of tissue paper; applying a layer of projecting elements to said last mentioned film of adhesive; and finally applying a thin layer of tissue paper over said layer of projecting elements and pressing it against said last mentioned adhesive film between said projecting elements.

1,468,526. IMPLEMENT FOR COMPRESSING THE VALVE SPRINGS OF INTERNAL-COMBUSTION ENGINES. JOSEPH TERROINE, New York, N. Y. Filed June 16, 1922. Serial No. 568,715. 3 Claims. (Cl. 29—86.3)



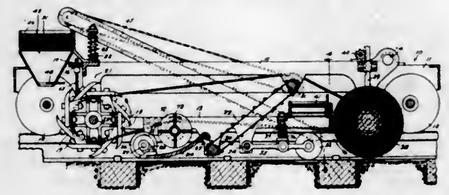
1. In a valve spring compressing implement, a pair of telescopable members constructed and arranged to be applied to the spring laterally thereof, each of said members having an inwardly extending flange at one end to engage a spring, and a pair of concentrically movable members, one of the concentric members being eccentrically connected to one telescopable member and the other concentric member eccentrically connected to the other telescopable member for the purpose specified.

1,468,527. WATER URN FOR BATTERY COFFEE URNS. THOMAS J. TOPPER, San Francisco, Calif. Filed Apr. 14, 1921. Serial No. 461,196. 3 Claims. (Cl. 137—53.)



1. A water urn comprising a boiler, a valve casing communicating with the boiler and being open at both ends, a goose neck pipe open at both ends, secured at one end to the upper end of said casing and having a small outlet opening in its upper wall, a valve seat at the lower end of said casing, a valve vertically movable in and spaced circumferentially from said casing and normally engaging upon said seat, said valve having a passage extending therethru opening at one end at the lower end of the valve and at its other end upon the side of the valve, an upwardly opening check valve mounted within the valve so as to close the passage when the pressure of the steam in the boiler reaches a predetermined point whereby said pressure will lift the valve bodily from its seat, said check valve being arranged to unseat when water is drawn from said boiler.

1,468,528. ROAD-SURFACING MECHANISM. MICHAEL VENA, Seattle, Wash. Filed Aug. 7, 1922. Serial No. 580,580. 27 Claims. (Cl. 104—7.)



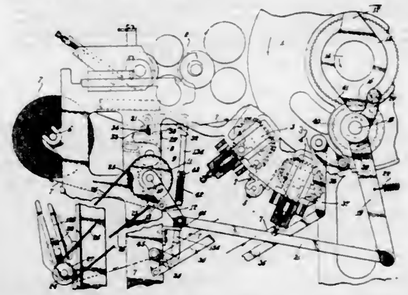
1. A road surfacing mechanism embodying a supporting vehicle; a secondary frame pivotally mounted to said vehicle; a rotary excavator vertically adjustably mounted on said secondary frame; a scraper member mounted back of said rotary excavator; means whereby material picked up by said scraper member may be conveyed away from said scraper member and a means for raising a portion of the track.

1,468,529. WRENCH. WILLIAM O. VIVARTTAS, Weehawken, N. J. Filed June 4, 1921. Serial No. 475,024. 6 Claims. (Cl. 81—99.)



1. A wrench comprising an elongated handle having a channel coextensive therewith and opening through one side of the same, gripping faces formed at the opposite sides of said channel at one end of said handle, a swinging jaw pivoted at one end within said channel, and adapted to have its free end projected inwardly of said channel when in closed position, a coiled spring housed at all times within said channel and acting to maintain said jaw in normally closed position, and a stop for limiting the closing movement of said jaw.

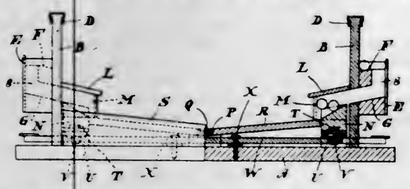
1,468,530. WIPING MECHANISM FOR ROTARY PLATE-PRINTING MACHINES. WILLIAM H. VOORHIS, New York, N. Y., assignor to American Bank Note Company, a Corporation of New York. Filed Oct. 25, 1919, Serial No. 333,314. Renewed Feb. 17, 1923. 16 Claims. (Cl. 101—156.)



1. A wiping mechanism for rotary plate printing machines embodying therein a wiping platen adapted to intermittently engage a plate or plates, a feeding mechanism upon one side of said platen adapted to create slack in a wiping cloth or rag passed about said platen, a take-up mechanism upon the other side of said platen adapted

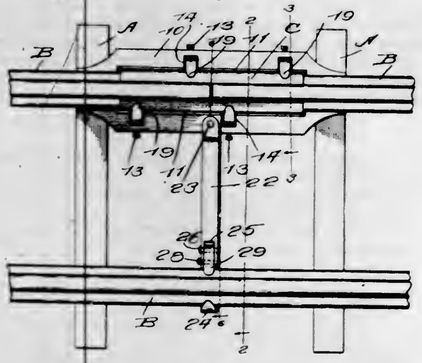
to draw the cloth or rag fed by said feeding mechanism, across said platen in a direction the same as that of the plate or plates to be wiped, whereby the initial wipe of the plates will be accomplished by a clean portion of wiping cloth and the final wipe thereof with soiled cloth or rag, and intermittently operative means for actuating said feeding mechanism and said take-up mechanism said last named means being operative while said platen is inoperative in relation to a plate.

1,468,531. APPARATUS FOR PLAYING PARLOR GAMES. EDWARD KENT, London, England. Filed Feb. 15, 1922. Serial No. 536,764. 6 Claims. (Cl. 46—61.)



1. An apparatus for playing a parlor game with balls, consisting of a base, a row of cups arranged transversely across said base, a sloping platform abutting said row of cups at its lower end, a transversely slotted wall spaced from the upper end of said platform, a receptacle on the rear of said wall, partitions dividing said receptacle into channels and extending through said slot to form stalls, a stop in front of said stalls, a bottom for said stalls formed of a horizontally movable block, and a lever connected at one end to said blocks and operable from the opposite end of said base.

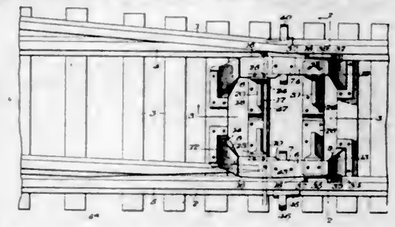
1,468,532. RAIL CHAIR. ALEX KORBA, Houston, Pa. Filed Apr. 11, 1923. Serial No. 631,401. 8 Claims. (Cl. 238—61.)



1. A rail chair comprising a base plate adapted to extend longitudinally of the rail, two sets of latches pivoted on the plate and operating through slots therein and having tails extending beneath the rails and forced downward thereby, thus projecting the opposite end of the latches into engagement with the rails, one set of latches being disposed reversely to the other set.

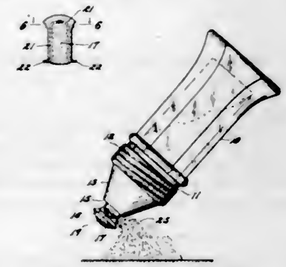
1,468,533. RAILWAY SWITCH. DENNIS E. LAHEY, Louisville, Ky. Continuation of application Serial No. 605,045, filed Dec. 5, 1922. This application filed Aug. 21, 1923. Serial No. 658,490. 9 Claims. (Cl. 246—435.)

1. In a railway track, the combination with stock rails and switch points, of guard rails arranged between the stock rails and having portions designed to house the free ends of the switch points when the latter are not cooperating with the stock rails, braces supporting the heads



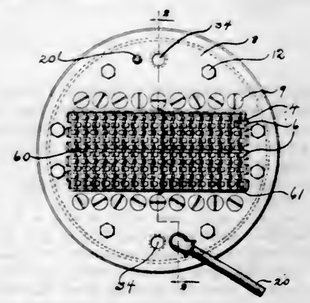
of said guard rails, and clamps arranged between the braces for securing the guard rail heads to the stock rails.

1,468,534. SHAKER. JOHN LANG, Philadelphia, Pa. Filed Nov. 21, 1922. Serial No. 602,474. 1 Claim. (Cl. 65—57.)



In a shaker the combination with a container, of a closure having an axially longitudinal bore formed at its outer end to constitute a valve seat, and a longitudinally movable valve member located in said apertured closure, said valve member being formed with opposed parallel faces the outer ends whereof are flared in juxtaposition with the valve portion proper, and cruciform wires embedded in the valve members having their free ends outwardly turned to constitute laterally projecting limiting fingers for preventing the valve from accidental displacement relative to the closure.

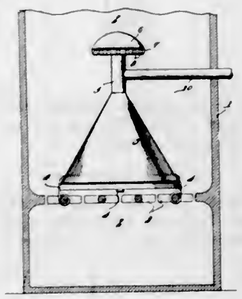
1,468,535. DIE FOR MAKING POROUS CANDIES. WILLIAM B. LASKEY, Marblehead, Mass., assignor, by mesne assignments, to The Chocolate Sponge Co., Inc., Brooklyn, N. Y., a Corporation of New York. Filed Feb. 3, 1921. Serial No. 442,052. 15 Claims. (Cl. 107—14.)



15. In a die for making porous candies, extrusion means embodying a series of separated members adapted to cause the extrusion of a series of separated streams

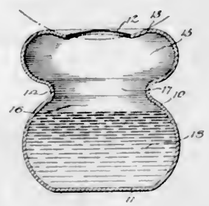
of candy, the said streams being permitted to move freely beyond said die, the said streams being of such thickness and in such proximity that they are free to expand laterally and coalesce along portions thereof.

1,468,536. COMBUSTION-PROMOTING DEVICE. THOMAS F. LAWTER and ALVA H. LAWTER, Newcastle, Ind. Filed Sept. 6, 1922. Serial No. 586,466. 1 Claim. (Cl. 110—72.)



The combination with a heating device, of a flared drum having its widened end open and arranged above the grate of the heating device, said drum having at its restricted end a tubular extension which terminates in a hollow head, the opposed walls of the head being rounded from the center thereof downwardly and being connected by a rounded edge which is apertured on the under face thereof and a cold air conducting pipe extending through the heating device and connected to the tubular extension.

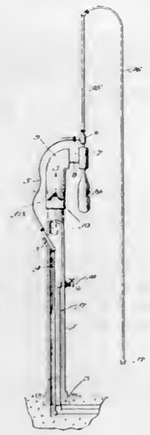
1,468,537. SHAMPOO CUP. LILLIAN M. LEA, Tottenville, N. Y. Filed May 29, 1922. Serial No. 564,494. 2 Claims. (Cl. 128—65.)



1. A shampoo cup comprising a body having an open end and a closed end, an annular inwardly projecting portion between said ends for separating said body into individual compartments connected by a restricted passage, and an inwardly curved flange at the upper open end providing a depressed extremity adapted to closely fit the contour of the head to insure an even discharge and application of the contents upon the head.

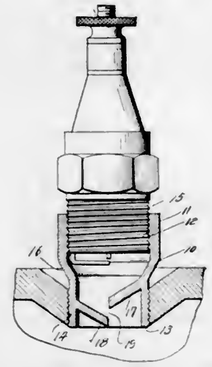
1,468,538. AIR-HOSE STAND. WILLIAM R. MACKEY, Monroe, Wis. Filed Oct. 15, 1921. Serial No. 507,829. 2 Claims. (Cl. 290—77.)

1. An air hose stand comprising a standard having a pair of rollers projecting from opposite sides thereof, a head having a pair of inverted V shaped slots each receiving a roller, a stem projecting from the head and to one



side of the head, a hose, weighted pivotal connection between one end of the hose and said stem.

1,468,539. SPARK-PLUG SHIELD. MARK MCCUNE and DAYTON H. RUSSELL, Middleport, Ohio; said Russell assignor to said McCune. Filed Aug. 25, 1921. Serial No. 495,159. 1 Claim. (Cl. 123—169.)

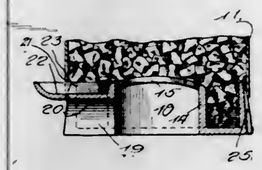


A spark plug having a shield to project beyond its electrodes and attachable to a cylinder head, the shield being hollow and provided with interior baffles substantially inclining along intersecting planes and toward the open end of the shield, said baffles having their free edges substantially straight, in spaced relation and terminating in substantially a common plane extending longitudinally of the axis of the spark plug to facilitate drainage of oil from the zone of the electrodes.

1,468,540. ORCHARD HEATER. BANKS L. MILLER, San Juan, Tex. Filed Apr. 30, 1923. Serial No. 635,634. 6 Claims. (Cl. 126—59.5.)

3. A heater of the character described comprising a base and a cylindrical body adapted to rest upon the base,

the base being formed to provide a central grate, and a depressed annular trough surrounding the grate, the trough



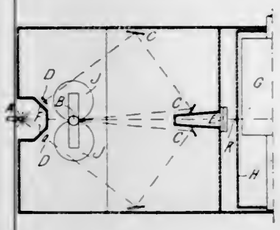
at one point being formed to provide an air duct extending radially inward from the exterior wall of the trough to the interior wall thereof.

1,468,541. SPOT REMOVER. JESSE RULE NAGUES, Missoula, Mont. Filed Jan. 30, 1922. Serial No. 532,875. 3 Claims. (Cl. 299—83.)



1. In a steam garment cleaner, a hose comprising a steam conducting line having its passage controlled by a valve and having a nozzle at its outer end, and a steam trap in the steam line, including a chamber in which the steam is received and a chamber through which the steam finds an outlet, means directing the inflowing steam toward the bottom of the first mentioned chamber, a valve controlling the steam passage between the chambers operable exteriorly of the strap, and a valved outlet for the steam inlet chamber.

1,468,542. COPYING TELEGRAPH. MAGNE HERMOD PETERSEN, Christiania, Norway. Filed June 8, 1921. Serial No. 476,002. 4 Claims. (Cl. 178—7.)



1. In a copying telegraph, an oscillograph including a mirror, means to supply a ray of light thereto, an actinic surface arranged to receive light reflected by said mirror and means to direct a light beam from said mirror and means to permit a plurality of exposures of said surface for each period of the alternating current supplied to said oscillograph.

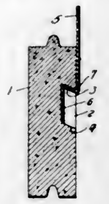
1,468,543. CLOTHESPIN. JOHN THOMAS PILKINGTON, Vernon, British Columbia, Canada. Filed Oct. 12, 1921. Serial No. 507,213. 2 Claims. (Cl. 24—139.)

1. A clothes pin, comprising a pair of elongated resilient members connected at one end and normally tensioned to effect the relative separation of the opposite ends thereof, and one of the members having its free end bent rearwardly and terminating in a substantially U-shaped portion, the legs of which are disposed parallel to the longitudinal axis of said elongated members and said leg portions being bent outward adjacent the bridge portion of said U-shaped portion, and the other elongated member terminating in an inwardly bent portion at its free end



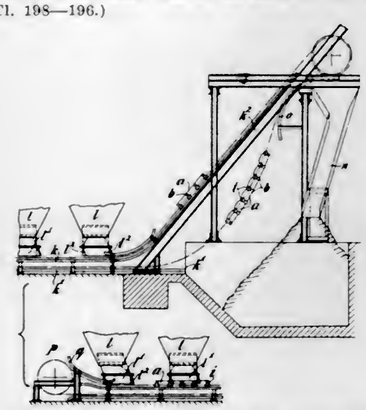
and adapted to be disposed between the legs of said U-shaped portion of the other leg and normally engage upon the bridge portion thereof.

1,468,544. TILE AND FASTENING MEANS THEREFOR. JOHN T. PRATT, Tiptonville, Tenn. Filed June 6, 1922. Serial No. 566,237. 2 Claims. (Cl. 72—19.)



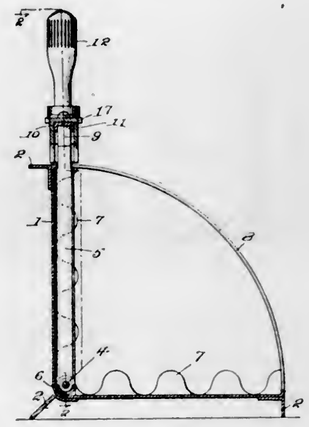
1. In combination, a tile having a recess in its rear side, the upper wall of the recess extending upwardly and forwardly, a cleat having a shoulder fitted against said wall intimately, and a key depending from the shoulder and coacting with the lower wall of the recess to wedge the cleat in place.

1,468,545. CONVEYER OR THE LIKE. ERNEST WILLIAM ROBEY, London, England, assignor of a moiety to Underfeed Stoker Company Limited, London, England. Filed Oct. 13, 1922. Serial No. 594,390. 11 Claims. (Cl. 198—196.)



1. The method of conveying material through a liquid which consists in causing a trough containing the material to travel, confining a body of liquid in the trough and holding the body of liquid stationary in the trough.

1,468,546. VEGETABLE CUTTER. CALOGERO RUSSO, Cleveland, Ohio. Filed May 25, 1923. Serial No. 641,456. 9 Claims. (Cl. 146—139.)



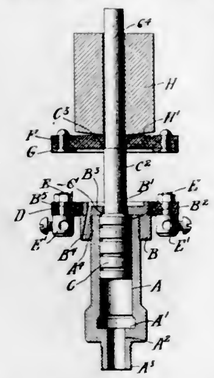
1. A cutter of the class described comprising a support, a plurality of knives movably connected with the support, a handle and adjustable means for connecting the handle with all the knives or with different numbers of knives as desired.

1,468,547. PICTURE ATTACHMENT FOR TALKING MACHINES. ROBERT A. RUMMEL, Woodridge, N. J. Filed Dec. 5, 1921. Serial No. 520,070. 3 Claims. (Cl. 88—24.)



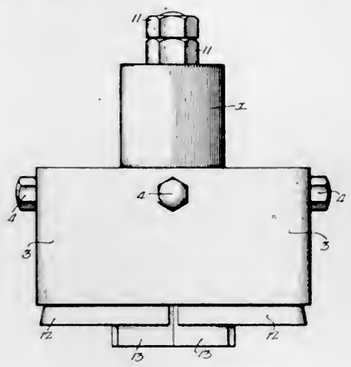
1. The combination with a talking machine, of a prepared surface, means for supporting a picture below said surface, a platform at the base of said means, a lens arranged on said platform in front of said picture, a reflector also arranged on said platform adjacent said lens for projecting a reflection from said picture after it passes through said lens, said reflector directly projecting the picture onto said surface, and means for illuminating said picture.

1,468,548. INDICATOR FOR FORCED-LUBRICATION SYSTEMS. OSCAR WINTER, Woodbury, N. J., assignor to Andale Engineering Company, Philadelphia, Pa., a Corporation of Pennsylvania. Filed July 14, 1920. Serial No. 396,229. 3 Claims. (Cl. 200—82.)



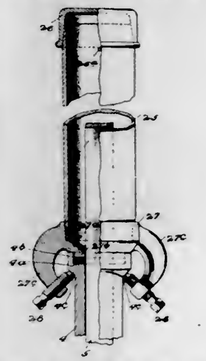
1. An indicator for forced lubrication system consisting of a cylinder adapted to be attached at its bottom to an oil conduit and to extend vertically upward therefrom, in combination with a loosely fitting piston having an annular valve at its upper end and a piston rod also extending upward from its end, a cylinder head having an opening for the piston rod and an annular valve seat for the valve on the piston, means for weighting the piston attached to the piston rod above the cylinder and a circuit closer located above the cylinder actuated by the piston rod and arranged to close the circuit when the piston falls.

1,468,549. DIE. CHARLES T. WOOTTEN, deceased, late of Philadelphia, Pa.; by David Bowers, executor, Laurel Springs, N. J., assignor to Manufacturing Company of America, Philadelphia, Pa., a Corporation of Pennsylvania. Filed Dec. 24, 1920. Serial No. 433,001. 6 Claims. (Cl. 113—48.)



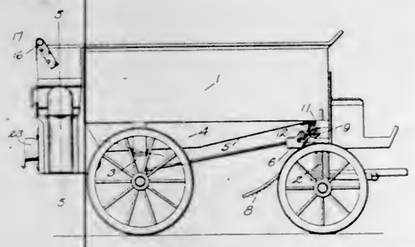
1. The combination of a head having undercut guideways; two sets of die blocks slidably mounted in said undercut guideways; a sleeve on the head formed to actuate one set of the die blocks; and a centrally placed member for actuating the die blocks of the inner set to cause them to co-act with the die blocks of the outer set in bulging the sides of a box body outwardly beyond an unaltered marginal strip extending around the top edge of said body.

1,468,550. LUBRICATOR. RODNEY H. YALE, Lincoln, Nebr., assignor to Yale and Hopewell Company, Lincoln, Nebr., a Corporation of Nebraska. Original application filed Feb. 13, 1920, Serial No. 358,886. Divided and this application filed Aug. 24, 1920. Serial No. 405,641. 15 Claims. (Cl. 184—4.)



2. In combination, an upright guide, a bar reciprocating therein, and projecting upwardly therefrom, flexible material inset in the upper end of said guide and surrounding said bar, a gravity-feed grease supply box having a bottom opening surrounded by a depending flange, said box enclosing said projecting end of the bar and being mounted on and rising from said guide, said flange being seated on said material, and means for clamping the box to and on the guide.

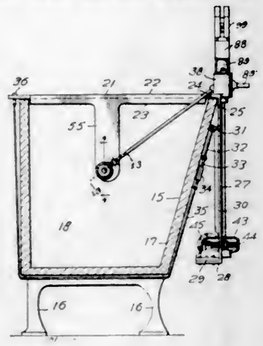
1,468,551. COAL CART. FRED ALBERT, Mexico, Me. Filed Oct. 7, 1922. Serial No. 593,035. 3 Claims. (Cl. 298—7.)



1. A coal wagon having the sides and front of its bottom inclined toward the center thereof, and the said bottom being arranged at an inclination from the front to the rear thereof, an end gate hinged to the top of the wagon body having its lower edge complementary to the bottom of the wagon, said end gate having a central opening, a hinged door closing the opening and a depending tongue on the door, means operable for simultaneously locking the door and end gate and for independently releasing the door and end gate, and said means including a spout for directing the load from the wagon body.

1,468,552. LAUNDRY APPARATUS. HARRY O. BARTLETT, Washington, D. C., assignor, by direct and mesne assignments, to Bower & Bartlett, Inc., Washington, D. C., a Corporation of Maryland. Filed Mar. 29, 1920. Serial No. 369,499. 15 Claims. (Cl. 68—18.)

8. The combination with a laundry tub, of an attaching frame secured thereto and embodying a depending arm, said arm having a trunnion and bearing, a gear having a tubular hub to pivotally receive the trunnion and provided with a polygonal extension, a diagonal shaft having its lower end journaled in said bearing, a gear carried by said lower end and engaging the first named



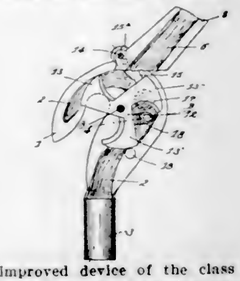
gear to drive it and hold the same upon its trunnion, means carried by the attaching frame and connected with the upper end of the diagonal shaft to rotate the same, and a drum within the tub, having connection with the first named gear.

1,468,553. ROAD FENCE. JOHN B. BESE, Alsen, N. Dak. Filed Sept. 13, 1922. Serial No. 588,020. 1 Claim. (Cl. 256—1.)



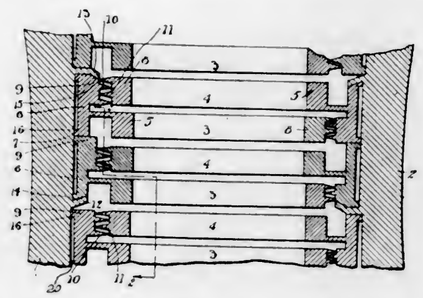
A snow fence for cuts comprising a supporting post placed in the cut adjacent one side of the road and boards connected with the posts, the bottom board being spaced from the bottom of the cut and the lower boards being spaced apart, the upper boards being placed together and the top board being arranged above the top of the cut.

1,468,554. PRUNING IMPLEMENT. MARIUS BLANC and FRANCIS BERGER, St. Etienne, France. Filed Mar. 25, 1922. Serial No. 546,786. 7 Claims. (Cl. 30—11.)



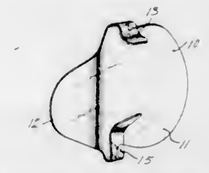
1. In an improved device of the class described the combination with a hook, a tubular extension, a two-armed pivotally mounted lever and a cutting edge at the end of the short arm of said lever, of a rotary cutter having three cutting blades, mounted on the pivot pin of said lever so that the position of the short arm of the lever forms the extension of the angle of cut of said cutting blades, substantially as set forth.

1,468,555. PROPELLING BLADES FOR REVERSIBLE STEAM TURBINES. ALFRED BONOM, Paterson, N. J. Filed Aug. 12, 1921. Serial No. 491,880½. 13 Claims. (Cl. 253—16.5.)



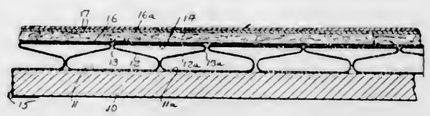
1. In a steam turbine the combination of a pair of disks pertaining to independent rotors, said disks each having a pair of lateral flanges formed therewith and a plurality of concentrically disposed blades attached to said disks and arranged between said flanges.

1,468,556. EAR PROTECTOR. ERNEST CAMP and ALBERT F. SCHATZEL, San Diego, Calif. Filed June 7, 1920, Serial No. 387,005. Renewed Nov. 15, 1922. Serial No. 601,165. 2 Claims. (Cl. 2—121.)



1. In an ear protector, a substantially flat plate fitting against the outer side of the ear of the wearer provided with integral hook shaped extensions adapted to engage the ear of the wearer and likewise provided with an integral extension adapted to lie against the cheek of the wearer.

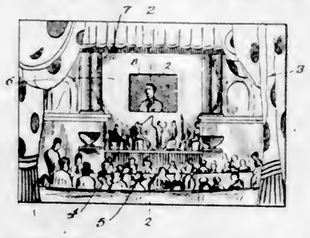
1,468,557. RESILIENT CUSHION FOR THE PADS OF IRONING DEVICES. GEORGE W. CLINE, Lake Charles, La. Filed June 25, 1921. Serial No. 480,374. 11 Claims. (Cl. 68—9.)



1. An ironing cushion including a plurality of spring strips disposed side by side, each strip being formed with relatively flattened, elongated convolutions.

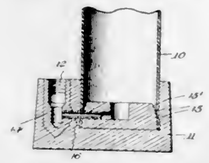
1,468,558. COMBINATION FILM-FRAME PICTURE CARD. JOSEPH G. CULLIGAN, Los Angeles, Calif. Filed Mar. 22, 1923. Serial No. 626,804. 2 Claims. (Cl. 40—158.)

1. In a combination film-frame picture, a two-ply card having a window, and a section of motion picture film mounted between the plies of said card and comprising a film-frame substantially registering with said window, said card having a pictorial face in which is illustrated



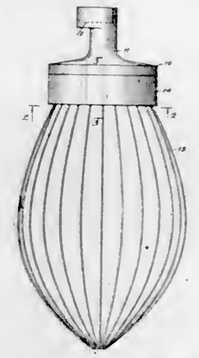
a motion picture screen so positioned that light transmitted through said frame shall appear as a picture projected on said screen.

1,468,559. METHOD OF PRODUCING PUMPS. JOHN A. CRIMP, Ellensburg, Wash., assignor to Airo Metal Products Co., a Corporation of Washington. Filed Mar. 25, 1921. Serial No. 455,553. 2 Claims. (Cl. 22—203.)



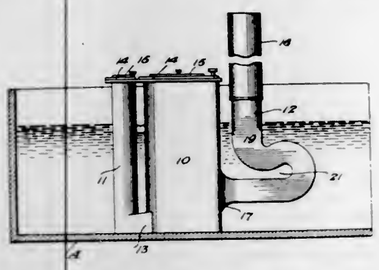
1. The herein described method of producing a pump of the character described consisting of arranging a core within the lower end of a pump cylinder, associating a metal tube with the core in a manner whereby the tube projects beyond the side of the pump cylinder, connecting a shrink plug constituting the hose connection with one end of the tube, and finally pouring molten metal around the lower end of the cylinder and within a mold to form a base, wherein the shrink plug occupies a position to more uniformly distribute the molten metal about the lower end of the cylinder for the purpose specified.

1,468,560. EGG BEATER. PHILIP JACOB DIEHL, Butler, Pa. Filed Apr. 2, 1923. Serial No. 629,468. 3 Claims. (Cl. 259—144.)



1. A beater of the class described comprising a head adapted to be driven, beater arms on said head, and means attaching said beater arms to the head, said attaching means including yielding material in said head through which material the beater arms pass into the head.

1,468,561. TANK HEATER. HARDY A. FRIEND, Albert Lea, Minn. Filed Aug. 7, 1920, Serial No. 401,923. Renewed Apr. 6, 1923. 1 Claim. (Cl. 126—367.)



A stock tank heater comprising a vertical tubular combustion chamber, a vertical cold air pipe spaced from said heater and communicating with the bottom thereof, closures pivotally secured to the upper ends of said chamber and provided with dampers, a square horizontal flue extending from said combustion chamber, bent upon itself to provide a heat retaining pocket and provided with a circular vertical upper end, an ash pan removably positioned in said combustion chamber, a grate supported upon said ash pan, and a vertical handle extending from one side of said grate.

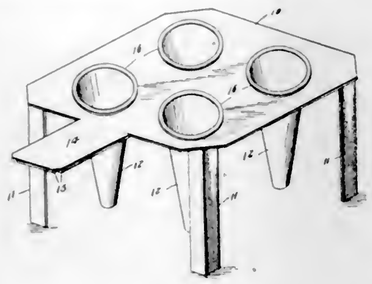
1,468,562. CLIP FOR PENS, PENCILS, AND THE LIKE. GEORGE W. GILMAN, Jr., Janesville, Wis., assignor to American Metals Co., Janesville, Wis., a Corporation of Wisconsin. Filed Sept. 1, 1922. Serial No. 585,762. 2 Claims. (Cl. 24—11.)



1. A resilient clasp for pencils and similar articles comprising a resilient member rigidly secured to the pencil, and means for removing the resilient action of said resilient member to a point remote from the point of securement of the clasp to the pencil, said means comprising a rib formed in the body portion of the clasp adjacent its point of securement to the pencil.

1,468,563. CONFECTION CONE TRAY. LOUIS R. GIRARD, Fall River, Wis. Filed Aug. 4, 1922. Serial No. 579,665. 1 Claim. (Cl. 224—48.)

A tray for the sanitary handling of confections of the class described consisting of a metallic plate provided with openings therethrough, holders depending from the plate and snugly fitting said openings, lateral flanges at the upper edges of the holders resting on the plate about said openings, legs depending from the plate and depending below the holders, a handle integral with and extending from the plate, reinforcing flanges integral with the handle and secured against the under side thereof, each holder being open at both ends and adapted to



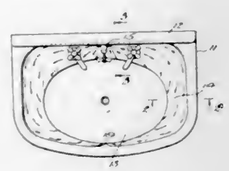
receive a confection of greater length than itself whereby the confection will extend above the plate for grasping.

1,468,564. CULINARY ARTICLE. IDA GREENE, Darlington, Wis., assignor of one-half to Etta Albertson, Darlington, Wis. Filed Feb. 25, 1922. Serial No. 539,207. 2 Claims. (Cl. 53—6.)



1. A pie ventilator comprising a tube, a laterally extending member on said tube intermediate its ends, and supporting legs on the member extending substantially parallel with the axis of the tube and terminating short of one end of the tube.

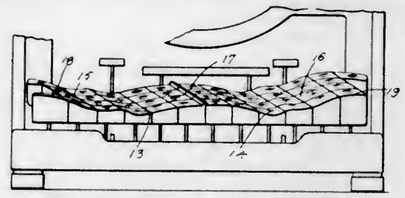
1,468,565. SELF-CLEANING LAVATORY. WILLIAM T. GUTH, Brooklyn, N. Y. Filed Oct. 10, 1922. Serial No. 593,617. 4 Claims. (Cl. 4—24.)



1. A self-cleaning lavatory comprising a bowl formed with a flat platform surrounding the bowl adjacent its top and slightly inclined toward the same, said platform adjacent the front of the bowl presenting a restricted area to impede the flow of water around the platform and compel the same to flow into the bowl all around its walls; and means for releasing the water on said platform.

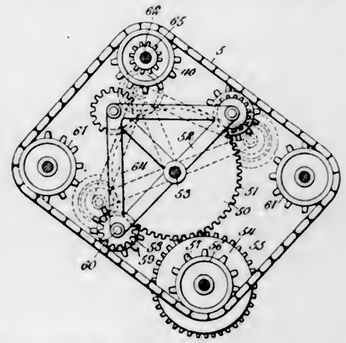
1,468,566. TYPEWRITER KEYBOARD. EMMETT C. HALL, Delray, Fla. Filed Sept. 8, 1922. Serial No. 586,912. 3 Claims. (Cl. 197—98.)

1. A typewriter keyboard having keys provided with matching edges arranged in juxtarelation and with the facing edges of the different keys at the upper surface in flush relation to produce a continuous substantially im-



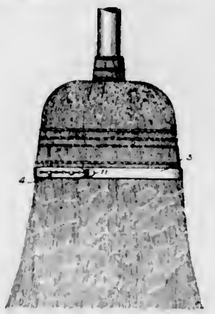
perforate bearing surface for the fingers of the operator's hands, said surface being provided with one or more finger guiding grooves common to a plurality of keys.

1,468,567. INTERNAL-COMBUSTION ENGINE. CLARENCE W. HONABACH, Glenlyon, Pa. Filed Aug. 21, 1922. Serial No. 583,243. 4 Claims. (Cl. 123—51.)



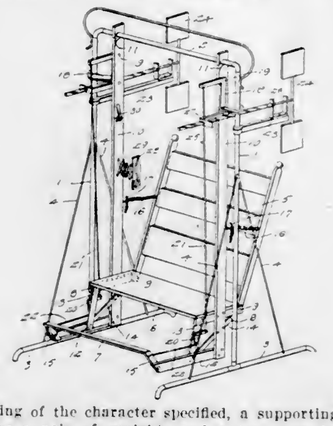
3. In an internal combustion engine, the combination of a double acting cylinder, pistons movable in the cylinder, rods secured to the pistons and actuable by the pistons, pitmen secured to the rods and connected in an eccentric manner to toothed gears, a silent drive chain actuable by the gears, means for reversing the position of speed control mechanism and comprising a large toothed gears mounted on a shaft, a frame arranged on the shaft, toothed wheels secured to the frame and means for feeding fuel to the cylinder and comprising conduits in direct communication with the fuel inlet pipes and means arranged in the conduits for interrupting the flow of fuel to the combustion chamber of the cylinder.

1,468,568. BROOM CLAMP. JACOB TEODOR JACOBSON, Brooklyn, N. Y. Filed July 18, 1922. Serial No. 575,837. 3 Claims. (Cl. 15—174.)



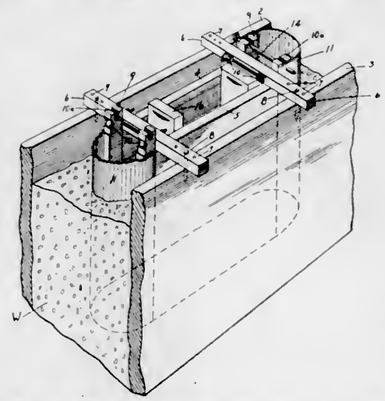
1. A broom clamp which includes a pair of U-shaped straps adapted to embrace the straws of a broom, one end of one of said straps having a slot therein, a headed projection extending from the adjacent end of the other strap through said slot, and means on the end of the first-mentioned strap the movement of which means will contract the sides of the slot on the said headed projection to hold the ends of the straps together.

1,468,569. FOOT-POWER SWING CHAIR. FRED H. KAISER, Ainsworth, Nebr. Filed Apr. 4, 1922. Serial No. 549,452. 1 Claim. (Cl. 155—65.)



A swing of the character specified, a supporting frame including a pair of uprights and a top cross bar, suspending members having pivotal and detachable connection with the cross bar, a chair carried by the suspending members and including a pivoted foot rest, bell cranks pivoted to the suspended members adjacent their upper ends, said bell cranks having lateral extensions provided with hook terminals, said lateral extensions formed on the upright portions of the bell crank and having abutting engagement with the uprights of the supporting frame, other bell cranks pivoted to the chair adjacent the lower extremities thereof and having their upright members connectel to the pivoted foot rest, means connecting the horizontal portions of the bell cranks at respective sides of the swing, and said bell cranks and their connections being so arranged that oscillatory movement on the foot rest will impart like movement to the suspending members.

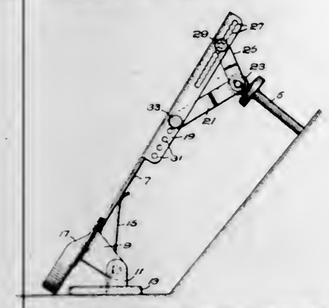
1,468,570. MOLD STRUCTURE. BARNEY A. KNUDSON, Santa Ana, Calif. Filed Aug. 19, 1922. Serial No. 583,013. 2 Claims. (Cl. 25—131.)



1. A knock-down mold device for concrete mold processes, comprising inner core planks, means for supporting

the planks in spaced relation between mold boards, and end pieces applicable to the core planks so as to close the ends of the chamber between the planks, said end pieces consisting of semi-cylindrical sheet-metal shells fitting the ends of the core planks, the longitudinal edges of the core end shells having inwardly turned flanges forming seats to abut against the ends of the core planks.

1,468,571. FOOT REST FOR ACCELERATOR PEDALS. GEORGE M. MCGINLEY, Amesbury, Mass., assignor to G. W. J. Murphy Company, Amesbury, Mass., a Corporation of Massachusetts. Filed July 12, 1922. Serial No. 574,536. 8 Claims. (Cl. 74—81.)



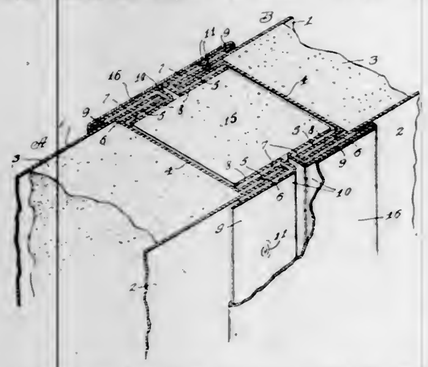
1. A pedal for the purpose described comprising a foot receiving plate, a pivoted pressure member and an adjustable link between the two, the parts recited being related in the manner of a trussed frame.

1,468,572. FISHHOOK. RINSAI MAEDA, Seattle, Wash. Filed Dec. 3, 1921. Serial No. 519,792. 1 Claim. (Cl. 43—27.)



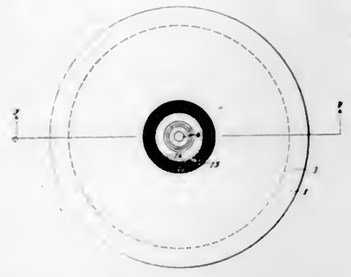
A fish hook comprising a single shank and a plurality of points with barbs extending in the same direction and supported from the shank, said points being extended to substantially the same level relative to said shank and lying in a common plane with and approximately parallel to said shank.

1,468,573. HEAT-INSUILATING WALL. CARL F. MAYER, Cleveland, Ohio, assignor to The Swartwout Company, Cleveland, Ohio, a Corporation of Ohio. Filed June 27, 1921. Serial No. 480,536. 9 Claims. (Cl. 25—133.)



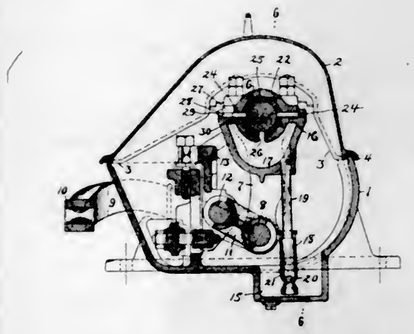
1. In a heat insulating slab, the combination of an inner and an outer metallic plate, a metallic edge strip disposed between the edge portions of said plates, means separate from said plates and edge strip for connecting them together, and means for insulating the foregoing elements from each other.

1,468,574. VOLTAIC CELL. FREDERICK R. PARKER, Chicago, Ill. Filed May 8, 1916, Serial No. 96,067. Renewed Sept. 13, 1922. Serial No. 588,081. 21 Claims. (Cl. 204—29.)



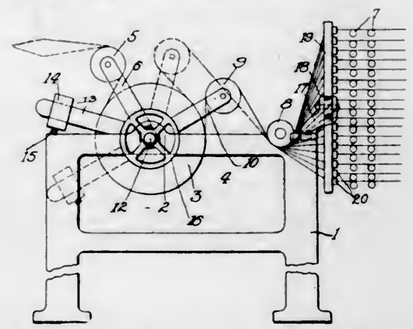
11. In a voltaic cell having greater breadth than height when in an upright position, a carbonized metallic casing for the contents of the cell constituting one of the electrodes thereof, a plate-like zinc electrode for the cell disposed horizontally therein and medially with respect to the top and bottom of the cell when the cell is in said upright position, a porous lining of non-conducting material for the said medially-disposed electrode, excitant-depolarizer material filling the said casing on both sides of the said medially-disposed electrode, and means on opposite sides of the cell for making electrical connections with the respective electrodes.

1,468,575. DRIVING MECHANISM FOR ORE CONCENTRATORS. CARL F. REIFF, Fort Wayne, Ind., assignor to Deister Concentrator Company, a Corporation of Indiana. Filed Apr. 7, 1922. Serial No. 550,282. 4 Claims. (Cl. 74—14.)



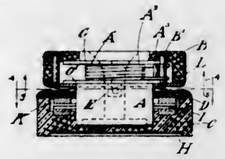
1. A housing having a sump adapted to contain oil, a crank-shaft extending through the housing; a pitman actuated by the crank-shaft and having a chamber in its head; an impulse pump movable with the pitman adapted to deliver oil from the sump to said chamber; and a toggle mechanism in the housing actuated by the pitman, there being an opening for the passage of oil from said chamber to the crank-shaft and a discharge opening for the overflow of oil from said chamber onto the toggle mechanism.

1,468,576. ATTACHMENT FOR LOOMS. ARTHUR L. REMINGTON and FRED W. KIESSLING, Worcester, Mass., assignors to Warp Compressing Machine Company, Worcester, Mass., a Corporation of Massachusetts. Filed Aug. 7, 1920. Serial No. 401,944. 8 Claims. (Cl. 139—104.)



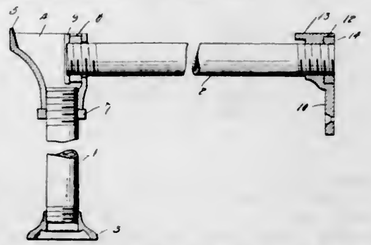
5. An attachment for looms, comprising a rotatable drum for carrying the warp from a creel to a loom, and a roll carrying the warp between the creel and the drum, the said roll always tending to move in a direction away from the creel.

1,468,577. ELECTRICAL DOUBLE-POLE SWITCHING PLUG. HAROLD CURTICE SANDERS, Newport, England. Filed Apr. 23, 1921. Serial No. 463,885. 5 Claims. (Cl. 173—338.)



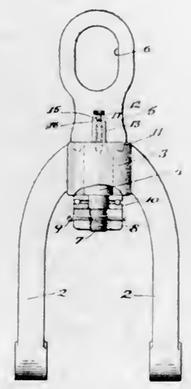
1. An electric switch plug, including a base having a pair of contacts therein, a rotor provided with a pair of contacts for engagement with the contacts in the base adapted for removable connection with the base when the contacts are out of engagement, means for locking said rotor against rotary movement in the base, a handle rotatably mounted on the rotor having means for releasing the first-mentioned means, and operating means within the handle for rotating the plug after the handle has been rotated for releasing the first-mentioned means.

1,468,578. TRAY OR SINK LEG. FRANK A. SAMPSON, Jr., Kingston, Mass. Filed Aug. 23, 1921. Serial No. 494,739. 2 Claims. (Cl. 248—41.)



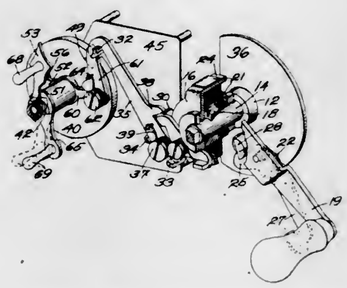
1. A support of the class described comprising a leg, a head from which said leg depends, said head being upwardly enlarged and hollow, the upper edge of said head constituting an article supporting surface, a lip on said head extending above said surface for engagement with the article, a nut completely within the head, means integral with the head to hold said nut against rotation, a strut disposed at substantially a right angle to the leg passing into the head and threaded to the nut, said nut also serving to space said strut below the said article-supporting surface to facilitate adjustment of the strut, and means adjustably supporting the strut at a distance from said head.

1,468,579. SWIVEL BLOCK. HENRY P. SCANLON and JAMES H. SCHUMACHER, Long Beach, Calif. Filed Sept. 1, 1922. Serial No. 585,653. 4 Claims. (Cl. 59—95.)



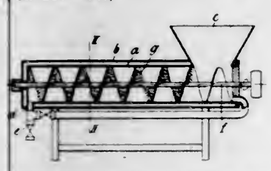
1. A swivel comprising an eye portion, a yoke rotatably connected to the eye portion, the yoke having a head provided with a plurality of sockets, and a latch pin slidingly mounted on the eye member within the periphery of the head and yieldingly pressed toward the pockets in the head member whereby to lock the parts in fixed position.

1,468,580. RELEASABLE TIMER MECHANISM. RAYMOND D. SMITH, East Milton, Mass., assignor to Tremont Products Corporation, Boston, Mass., a Corporation of Massachusetts. Filed Dec. 10, 1917, Serial No. 206,451. Renewed Jan. 27, 1922. Serial No. 532,261. 14 Claims. (Cl. 161—9.)



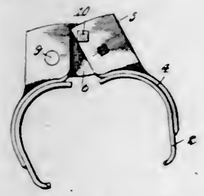
14. In a timing apparatus, in combination, a device to be timed, means to tension it for automatic movement, a timing element comprising a notched disk, a control member adapted to be seated in said notch, means for setting the disk, and means preliminarily to move said control member out of the notch independent of the movement of the device to be timed.

1,468,581. COMBINED CHURNING AND EMULSIFYING MACHINE. ERIK STEENBERG, Hellerup, Denmark. Filed Aug. 14, 1922. Serial No. 581,893. 3 Claims. (Cl. 259—97.)



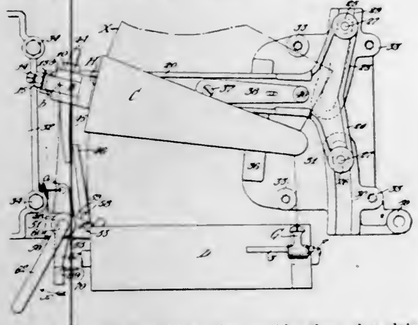
1. Combined churning and emulsifying machine including a cylindrical vessel having an inlet and a relatively small discharge located at an end opposite the inlet, a rotatably mounted perforated conveyor worm arranged within and extending throughout the length of the vessel and having its outer edges arranged in close relation to the inner surface of the vessel and operating in such a manner that the material is pressed towards the discharge end and is compacted at this end, and the worm in addition creating a high pressure to accelerate the emulsifying action, substantially as and for the purposes set forth.

1,468,582. MUD LUG. RICHARD L. STOCKARD, Forrest City, Ark. Filed July 22, 1922. Serial No. 576,719. 6 Claims. (Cl. 152—14.)



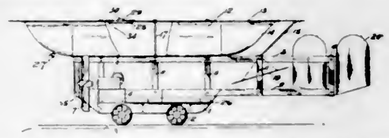
1. In combination, a pair of jaws, a pair of plates one fixed to each jaw, lug extensions on the plates, means for pivoting these lug extensions to each other, and means for holding the jaws in a locked or closed position.

1,468,583. WINDING MACHINE. GEORGE N. TAYLOR, East Providence, R. I., assignor, by mesne assignments, to The New England Trust Company, trustee, a Corporation of Massachusetts. Filed July 16, 1921. Serial No. 485,278. 27 Claims. (Cl. 242—18.)



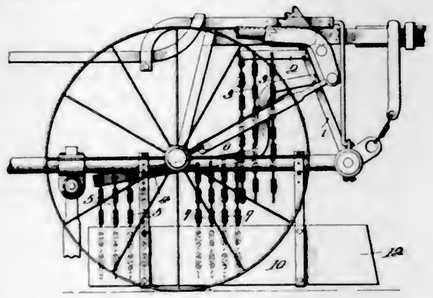
1. In a winding machine, the combination of a drive-roll, a cop-holder for supporting the cop in contact with the drive-roll, and means for positively controlling the position of the cop-holder in its movement away from the drive-roll during the growth in the winding to rigidly hold said cop-holder in certain predetermined angular relation to the drive-roll in all positions of its movement.

1,468,584. AIRSHIP. JOHN P. THURELL, North Adams, Mass. Filed Oct. 1, 1921. Serial No. 504,656. 7 Claims. (Cl. 244—5.)



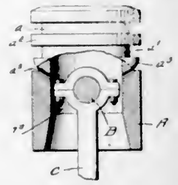
1. An airship comprising a body, an aeroplane secured to said body, said aeroplane having a flat upper wall, a concave lower wall cooperating with said upper wall to form a gas-tight chamber having a convex lower surface including a sloping rear portion, an engine driven propeller carried by the forward part of said body beneath said aeroplane and a horizontal tilting rudder carried beneath said aeroplane and rearwardly of said sloping portion and in the path of the exhaust draft from said propeller.

1,468,585. INSECT-CATCHING ATTACHMENT FOR CULTIVATORS. JAMES BUFORD VAUGHAN, Lacy Springs, and JOHN TERRELL, Taylorsville, Ala. Filed Dec. 20, 1922. Serial No. 607,946. 2 Claims. (Cl. 43—133.)



1. An insect catching attachment for cultivators including a member attached to each side of the arch of the cultivator, a plurality of chains depending from said member, arms extending rearwardly from the front of the cultivator, one of said arms being of less length than the other, a plurality of chains located near the extremity of each arm and troughs beneath the chains.

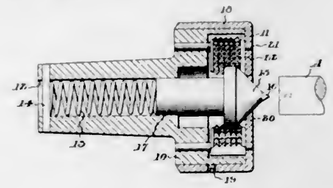
1,468,586. PISTON FOR INTERNAL-COMBUSTION ENGINES. HUGH A. WEEKS, Whitakers, N. C. Filed Aug. 3, 1922. Serial No. 579,536. 1 Claim. (Cl. 74—108.)



A hollow piston for use in internal combustion engines provided with an annular groove having an annular flange above said groove rectangular in cross section, and an annular flange below said groove of smaller diameter than the annular flange above the same, the exterior of said last mentioned annular flange being curved downwards and inwards in cross section, with a series of scallops cut in the outer wall of the piston below said last mentioned

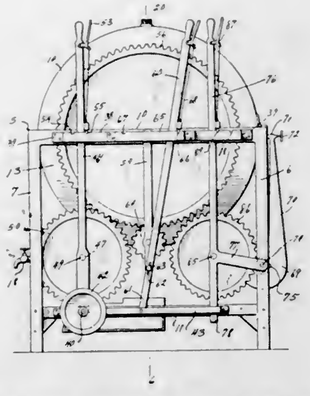
flange, forming therewith pockets, with downwardly and inwardly inclined perforations connecting the bottom of said pockets with the interior of the piston, the bottom wall of said pockets being at right angles to the axis of the piston, thereby forming a ledge whereby the excess oil is trapped and directed to the interior of the piston.

1,468,587. SAFETY NONSTOP LATHE CHUCK. GEORGE J. WESKE, ARTHUR F. GENSLER, and OSCAR H. PRANGE, Cleveland, Ohio. Filed Apr. 10, 1922. Serial No. 551,384. 6 Claims. (Cl. 82—40.)



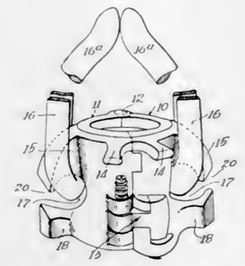
1. A chuck of the character described comprising a body formed with a chambered out portion and provided with an elongated hollow extension, a center member slidably disposed within the hollow extension, a spring located within the extension and engaging said center member for normally forcing the latter outwardly, a cap member encircling the body member and formed with an opening for the passage of work thereinto, and a plurality of spring pressed locking jaws pivoted within said chambered portion of the body.

1,468,588. WASHING MACHINE. FRANK WILSON, Sellers, La. Filed Oct. 28, 1922. Serial No. 597,524. 3 Claims. (Cl. 68—18.)



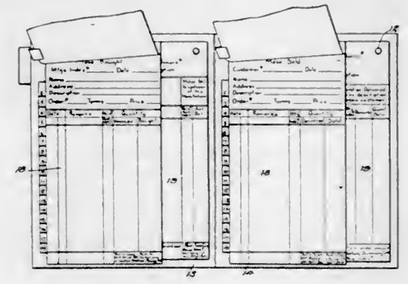
1. In a washing machine, a support, a tank carried by the support, a drum rotatable in the tank, a gear carried by the drum and located exteriorly of the tank, a source of power carried by the support, a lever on the support, a power gear carried by the lever and movable therewith, said gear being shiftable into engagement with the gear of the drum for transmitting power thereto from the source of power, a depending arm pivoted on the support and having a reverse gear journaled thereon, a reverse lever pivoted on the support and having a pivotal and sliding connection with the free end of said arm, said reverse lever being movable to bring the reverse gear into mesh with the drum gear and power gear when the first named lever is moved to disengage the power gear from the drum gear.

1,468,589. ELEVATOR. WILLIAM WEBSTER WILSON, Los Angeles, Calif. Filed Sept. 7, 1922. Serial No. 586,639. 5 Claims. (Cl. 294—90.)



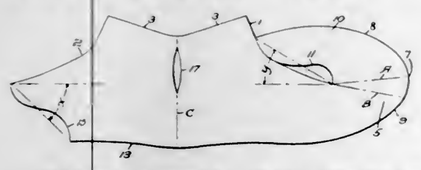
1. An elevator of the type having two parts hinged together and adapted to surround a pipe and having a bail engaging lug on each part, and bails engaging said lugs; characterized by the lugs extending outwardly from the elevator parts in general directions along lines that intersect at a point at that side of the center of the pipe receiving bore at which the hinge is located.

1,468,590. STATISTICAL RECORD AND FILING DEVICE. FRANK W. WOGLOM, Arlington, N. J. Filed Mar. 1, 1922. Serial No. 540,081. 2 Claims. (Cl. 281—17.)



1. As a new article of manufacture, a record keeper for a particular article of merchandise, including a folder comprising two leaves, a pile of data carrying sheets on the inner face of one leaf and secured to that leaf along an edge of the pile, said pile having associated therewith indicia indicating it is to be the recipient of records relative to different manufacturers supplying said article, and a pile of data carrying sheets on the inner face of the other leaf and secured to that leaf along an edge of the pile, said pile having associated therewith indicia indicating it is to be the recipient of records relative to different customers supplied with the same article; each pile comprising a plurality of distinctively separate groups of sheets, one group in the first mentioned pile for each manufacturer and one group in the second mentioned pile for each customer; each group including a separate sheet for each particular transaction with the party particular to that group and each such sheet in the group carrying permanent indicia indicating the specific entries required; each group also including a sheet which is the lowermost in the group and which carries permanent indicia indicating the specific entries required to constitute said sheet a constantly up-to-date summary of certain entries of all the other sheets of its group, such summary sheet having a portion protruding beyond the other sheets of its group, such protruding portion carrying permanent indicia indicating the location of summarizing postings of entries thereto from the other sheets in its group.

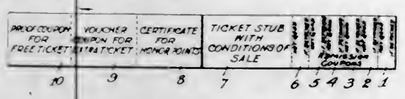
1,468,591. SHOE. ERMINIO CASSANO, Wellesley, Mass., assignor to Everbest One Piece Shoe Co., Boston, Mass., a Corporation of Massachusetts. Filed Dec. 8, 1922. Serial No. 605,693. 14 Claims. (Cl. 36—49.)



1. That method of forming a one piece upper for a shoe which comprises folding a part of the toe portion of a suitably shaped blank upon the remainder of the blank on a line substantially longitudinal of the finished shoe and so positioned that the rearward end portion of said part folded only partially reaches the corresponding parts of the main portion of the blank; and then moving said part folded by a rotary motion about the rearward portion of said line into coincidence with said corresponding parts of the main portion of the blank.

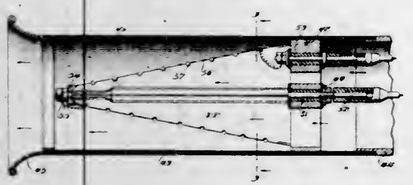
7. A blank for a one piece upper for a shoe comprising a portion having diverging concave edges forming the front opening of the finished shoe, said blank having a toe portion which bends back toward one of said concave edges and substantially coincides therewith for a portion of its length.

1,468,592. COUPON TICKET. RALPH M. COMFORT, New York, N. Y., assignor to Ethel N. Comfort, New York, N. Y. Filed May 3, 1919. Serial No. 294,611. 6 Claims. (Cl. 283—53.)



1. A theatre ticket having in combination a stub bearing printed matter containing general instructions as to the mode of use, a plurality of coupons attached to one end each bearing suitable printed matter setting forth that it is good for an admission to the theatre, and another coupon associated with the stub bearing suitable printed matter adapting it to serve as a proof of purchase of the stub and first mentioned coupons.

1,468,593. AIR-HEATING UNIT. EDMUND M. ERB, Jersey City, N. J. Filed Aug. 26, 1922. Serial No. 584,440. 6 Claims. (Cl. 219—39.)



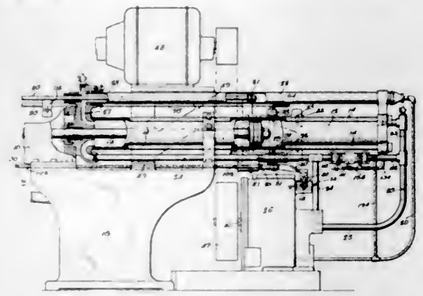
1. A heating unit constituting an insert adapted to be placed in a gas conduit to heat the gas as it is passed therethrough, said unit including a frame formed of a circular mounting ring having a diametrically extending bridge piece, an axially positioned conducting rod secured to and insulated from the bridge piece, with the end adjacent the bridge constituting a binding post, a coil of heating wire wrapped spirally about the rod and with one end of the wire connected electrically to the rod at the end opposite the bridge piece and a second binding post carried by the bridge and connected electrically to the other end of the heating wire.

1,468,594. SICKLE BAR. LUKE ESKES, Coal Harbor, N. Dak. Filed July 16, 1920, Serial No. 396,657. Renewed Feb. 6, 1922. Serial No. 534,594. 1 Claim. (Cl. 56—307.)



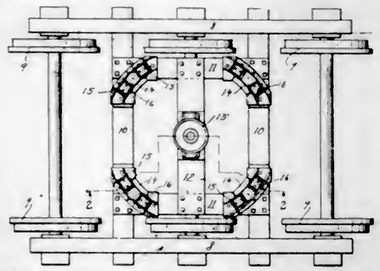
As a new article of manufacture, a one-piece sickle bar flat and straight at one side and having at its opposite side an intermediate bellied portion, the ends of which are connected by inclinations with the end portions of the bar; the said end portions being of one degree of thickness and the intermediate bellied portion of a greater degree of thickness, and the bar being provided at intervals in the comparatively thick portion and the end portions with vertically disposed apertures.

1,468,595. BROACHING MACHINE. WALTER FERRIS, Milwaukee, Wis., assignor to The Oilgear Company, Milwaukee, Wis., a Corporation of Wisconsin. Filed Oct. 26, 1922. Serial No. 596,967. 12 Claims. (Cl. 90—33.)



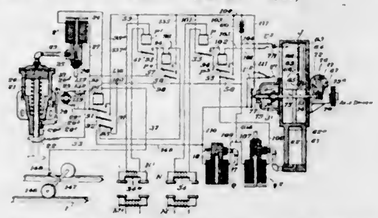
1. In a broaching machine, the combination of a member for actuating a broaching tool, hydraulic means for driving said member, and means for delivering liquid to said hydraulic means at a steady rate of flow to maintain a substantially steady advance of the broaching tool at a predetermined rate irrespective of variations in tool resistance or pressure.

1,468,596. CAR MOUNTING. ELMYR A. LAUGHLIN, Oregon, Ill. Filed Sept. 12, 1921. Serial No. 500,062. 1 Claim. (Cl. 105—200.)



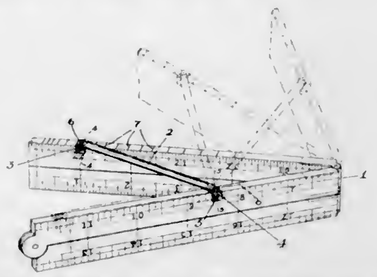
The combination with a car body and truck therefor, of two supporting members laterally traversing said truck; longitudinal supporting members supported on said lateral members and forming therewith a substantially rectangular supporting frame; a cross member extending substantially centrally through said supporting frame; a pivotal mounting for said car body situated substantially centrally of said central supporting member; and bearing members interposed between said body and said frame and arranged substantially at the four corners of said frame, substantially as described.

1,468,597. RAILWAY-TRAFFIC-CONTROLLING SYSTEM. LLOYD V. LEWIS, Edgewood Borough, Pa., assignor to The Union Switch & Signal Company, Swissvale, Pa., a Corporation of Pennsylvania. Original application filed Dec. 31, 1920, Serial No. 434,319. Divided and this application filed June 17, 1922. Serial No. 569,140. 4 Claims. (Cl. 246—63.)



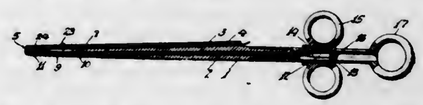
4. In combination, a railway train, speed-responsive means thereon, governing means on the train controlled by said speed-responsive means, an element on the train adapted to change constantly towards an ultimate condition and operating in all conditions except its ultimate condition to remove said governing means from control by said speed-responsive means, and devices located in the trackway and controlled by traffic conditions in advance for restoring said element away from ultimate condition, said element being adapted after each restoration to automatically resume its change towards its ultimate condition.

1,468,598. ANGLE-MEASURING DEVICE. GEORGE W. LIBBY, Portland, Me. Filed Oct. 19, 1922. Serial No. 595,600. 1 Claim. (Cl. 33—118.)



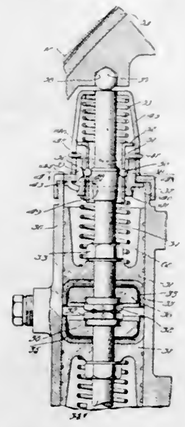
In an angle measuring device, the combination, with two flat sided members pivoted together at one end, of a U-shaped clip, the sides of which straddle the sides of one of the said members and fixedly attached thereto a spaced distance from said pivot, a U-shaped clip slidably mounted on the other of the said members and embracing it with a strong frictional grip, a bar pivotally connecting the clips, there being graduations on the member carrying the slidable U-shaped clip adapted to cooperate with said clip to indicate the angle between the pivoted members.

1,468,599. TONSILLOTOME. HUGH E. LONGINO, Magnolia, Ark. Filed June 24, 1921. Serial No. 480,185. 11 Claims. (Cl. 128—320.)



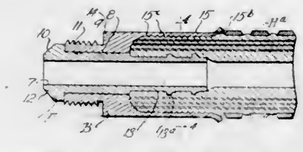
1. In a tonsillotome, in combination, means for severing tissue, and means for the support of a ligature loop to be tied about the tissue.

1,468,600. BRAKING APPARATUS. MALCOLM LOUGHEAD, Detroit, Mich., assignor, by mesne assignments, to Hydraulic Brake Company, Los Angeles, Calif., a Corporation of California. Filed July 10, 1922. Serial No. 574,043. 11 Claims. (Cl. 188—196.)



5. In braking mechanism for vehicles, a brake drum, a wear member, a stem for forcing said wear member into engagement with said drum, a bushing positioned about said stem, the inner surface of said bushing and the outer surface of said stem being formed to provide a tapered space therebetween, a wedging member positioned within said space, means tending to force said wedging member toward the restricted end of said space, and means for limiting the movement of said bushing in both directions.

1,468,601. HOSE FITTING. MALCOLM LOUGHEAD, Detroit, Mich., assignor, by mesne assignments, to Hydraulic Brake Company, Los Angeles, Calif., a Corporation of California. Original application filed Jan. 23, 1922, Serial No. 531,141. Divided and this application filed Mar. 8, 1923. Serial No. 623,633. 4 Claims. (Cl. 285—84.)



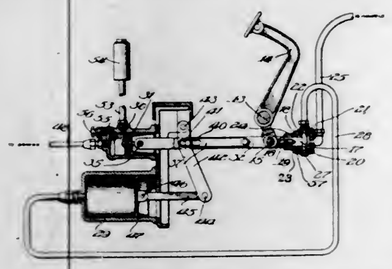
2. In combination with a hose, a member adapted to lie adjacent one end of the hose, an unsplit sleeve formed integrally with said member and adapted to enclose one end of the hose, said member being provided with a longitudinal opening, a second member disposed and secured in said opening, said second member comprising a nipple which is received in the hose end, the inner diameter of said sleeve being less than the normal outer diameter of the hose.

4. The method which consists in inserting a stem into a hose end, slipping over said hose an unsplit sleeve and then stretching said sleeve and reducing its inner diameter to compress the hose between the sleeve and the stem.

1,468,602. BRAKE-OPERATING MECHANISM. MALCOLM LOUGHEAD, Detroit, Mich., assignor, by mesne assignments, to Hydraulic Brake Company, Los Angeles, Calif., a Corporation of California. Filed July 25, 1922. Serial No. 577,322. 21 Claims. (Cl. 188—152.)

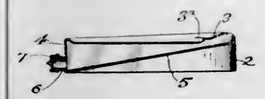
6. In a braking apparatus, means for operating the brakes, manually actuated means for operating said brake

operating means, pneumatically actuated means rendered operative by the initial operation of said manually actu-



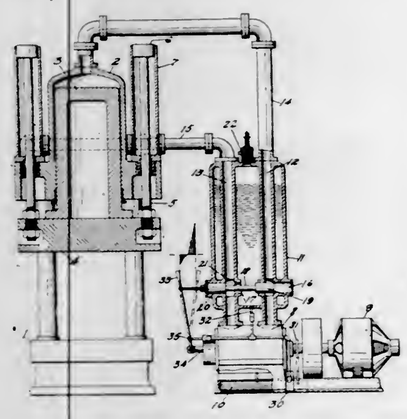
ated means for assisting in the operation of the brakes, and a bell crank lever joining said pneumatically actuated means to said brake operating means.

1,468,603. BED AND DOUCHE PAN. CATHERINE R. MACK, Los Angeles, Calif. Filed July 5, 1922. Serial No. 572,972. 2 Claims. (Cl. 4—19.)



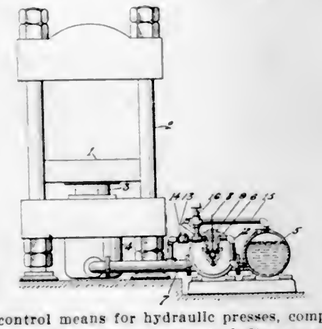
1. A douche having an upstanding wall-forming flange with an inturned rim forming the seat part of the douche, and a bottom inclining from the upper rear part of the flange down to the opposite end.

1,468,604. MEANS FOR OPERATING HYDRAULIC PULLBACK PRESSES. WALDEMAR F. MAYER, Philadelphia, Pa., assignor to Taylor-Wharton Iron and Steel Company, High Bridge, N. J., a Corporation of New Jersey. Filed Nov. 12, 1919. Serial No. 337,426. 6 Claims. (Cl. 138—10.)



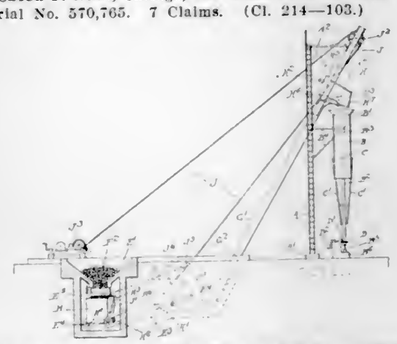
1. In a means for operating hydraulic pull-back presses, a main pressure pump, an auxiliary pressure pump, and a single control lever to simultaneously set the main pump at zero delivery and open the ram and pull-back cylinders to the pressure of the auxiliary pump.

1,468,605. MEANS FOR CONTROLLING HYDRAULIC PRESSES. WALDEMAR F. MAYER, Philadelphia, Pa., assignor to Taylor-Wharton Iron and Steel Company, High Bridge, N. J., a Corporation of New Jersey. Filed Nov. 12, 1919. Serial No. 337,427. 7 Claims. (Cl. 138—10.)



1. A control means for hydraulic presses, comprising a constant auxiliary pressure means including an adjustable valve to maintain the main set pressure constant against leakage losses.

1,468,606. COMBINED COAL AND CINDER HOIST. CLYDE P. ROSS, Chicago, Ill. Filed June 26, 1922. Serial No. 570,765. 7 Claims. (Cl. 214—103.)



1. An installation for handling materials comprising a plurality of adjacent tracks, a hopper beneath each track, material delivery means adjacent the tracks and means for delivering material therefrom over either track, and a conveyor adapted to convey material from either hopper to the top of said tower, said conveyor comprising a forked track having a branch underlying each hopper.

1,468,607. PROCESS FOR PRODUCING PAPAVERINE NITRITE. HANS STENZL, Nieder-Ingelheim-on-the-Rhine, Germany, assignor to the Firm of C. H. Boehringer Sohn Chemische Fabrik, Nieder-Ingelheim-on-the-Rhine, Germany, a Society of Germany. Filed Aug. 9, 1922. Serial No. 580,764. 7 Claims. (Cl. 260—25.)

1. A process for producing papaverine nitrite consisting therein, that papaverine salts are converted by means of salts of nitrous acid and the product of the reaction is treated with solvents of papaverine.

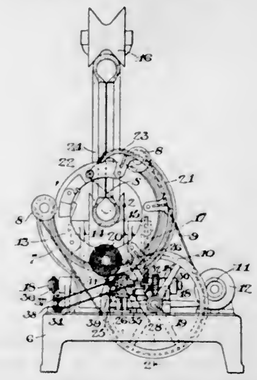
1,468,608. PHONOGRAPH-RECORD MATERIAL. WILLIAM THOMAS FORSE, FREDERICK WILLIAM JONES, Jr., and GEORGE WALTERS, London, England, assignors to Columbia Graphophone Manufacturing Company, Bridgeport, Conn., a Corporation of Delaware. Filed Nov. 16, 1922. Serial No. 601,267. 6 Claims. (Cl. 106—1.5.)

1. As a new article of manufacture, a nitrocellulose phonograph record including acaroid resin.

1,468,609. PLASTIC COMPOSITION OF MATTER HAVING A BASIS OF CELLULOSE ESTER. WILLIAM THOMAS FORSE, FREDERICK WILLIAM JONES, Jr., and GEORGE WALTERS, London, England, assignors to Columbia Graphophone Manufacturing Company, Bridgeport, Conn., a Corporation of Delaware. Filed Nov. 16, 1922. Serial No. 601,268. 20 Claims. (Cl. 106—1.5.)

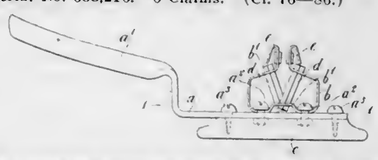
1. As a new article of manufacture, a cellulose ester phonograph record including acaroid resin.

1,468,610. WRAPPING MACHINE. JOHN SCHERNER, Milwaukee, Wis., assignor to The Fisk Rubber Company, Chicopee Falls, Mass., a Corporation of Massachusetts. Filed Aug. 4, 1922. Serial No. 579,737. 6 Claims. (Cl. 242—6.)



1. In a wrapping machine, the combination with mechanism for wrapping a covering strip spirally about a tire or tire casing, the mechanism including a rotating shuttle carrying the wrapping material, of an adhesive-applying member mounted adjacent said shuttle, means distinct from said shuttle for positively driving said member, and means for guiding the material into feeding contact with said member.

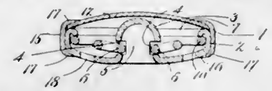
1,468,611. KNIFE SHARPENER. JAMES RICHARD TRIGWELL, Brixton, London, England. Filed Apr. 19, 1923. Serial No. 633,216. 6 Claims. (Cl. 76—86.)



3. A knife sharpener including a holder and a plurality of pairs of sharpening steels supported in said holder and crossing to provide a sharpening juncture, each of the steels being supported at the extreme upper and lower ends in holes formed in the holder and means beyond the upper holes for securing the upper ends of the steels relative to the holder to prevent endwise movement of the steels.

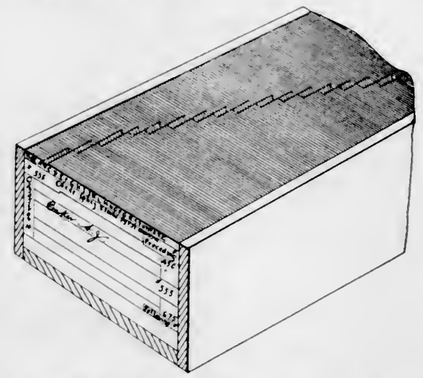
1,468,612. FASTENER. ERNEST S. JOHNSON and ERIC V. CARLSON, Brockton, Mass., assignors to General Fastener Company, Brockton, Mass., a Corporation of Massachusetts. Filed Oct. 4, 1922. Serial No. 592,412. 2 Claims. (Cl. 24—218.)

1. An attachable and detachable fastener comprising a member, a projecting head arranged on one face thereof, a second member provided with a socket arranged on one face thereof, a third member, arranged intermediate the first and second members, and a combined projecting head and socket member arranged on one face thereof, the



projecting head of the first member adapted to fit within the socket of the third member and the projecting head of the third member adapted to fit within the socket of the second member.

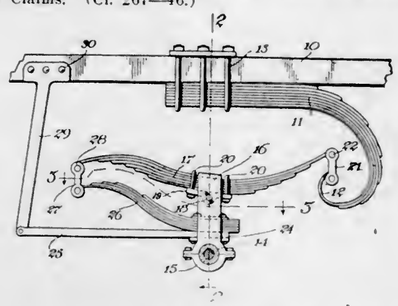
1,468,613. FILING SYSTEM. ALEXANDER H. J. TJEENK WILLINK, Martinez, Calif. Filed Feb. 4, 1920. Serial No. 356,253. 6 Claims. (Cl. 129—16.5.)



1. A filing system comprising a plurality of sheets carrying aligned notches in several different series to indicate the proper position of the sheet in the file, each sheet having a hole arranged therein in a non-aligned successive order to indicate the sub-position of the sheets in the file.

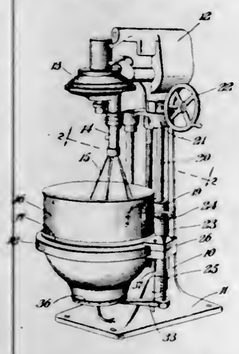
2. A filing system comprising a plurality of sheets, each sheet bearing an individual number and the number of the preceding sheet and following sheet.

1,468,614. SHOCK ABSORBER. CALVIN DOZIER, Richmond, Ky. Filed Dec. 1, 1922. Serial No. 604,360. 7 Claims. (Cl. 267—46.)



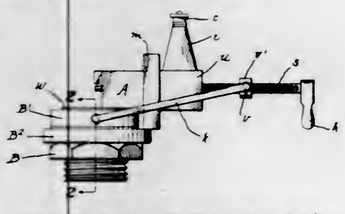
1. The combination with a vehicle frame member and an axle of a cantilever spring having its larger end connected to the frame member, a second cantilever spring having its larger end connected with the axle, and a tilting member supported intermediate its ends from said axle and having its respective ends connected to the free ends of the respective springs.

1,468,615. HEATING ATTACHMENT FOR CAKE MIXERS. JOSEPH GUTTENSTEIN and ISIDOR KRITZER, New York, N. Y. Filed May 18, 1923. Serial No. 639,780. 15 Claims. (Cl. 126—345.)



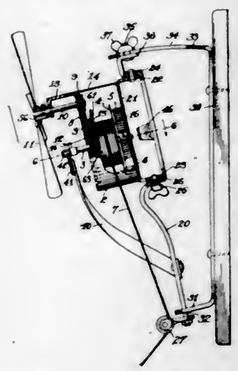
1. In a cake mixer of the type comprising a frame, a bowl support ring and a motor driven beater to extend into a bowl removably supported on the ring; the combination therewith of a heater disposed below the ring for heating a batch within the bowl mounted on the support, releasable means for securely retaining said heater in position coaxial of said ring, and guide means determining the path of displacement of said heater to inobtrusive position to permit placing of a collecting pan below the bowl.

1,468,616. SPARKING PLUG. ELLA MARTIN, Bottesford, England. Filed May 15, 1923. Serial No. 639,080. 1 Claim. (Cl. 123—169.)



The combination of a sparking plug having a right angle bend, a link for attaching the plug to a ring adapted to swivel on a bush fitting in a threaded hole in the engine, and a screw for making a tight joint between the plug and the bush.

1,468,617. FAN-OPERATING MEANS. ARVID F. CARLIN, Mamaroneck, N. Y. Filed Sept. 27, 1922. Serial No. 590,994. 9 Claims. (Cl. 230—1.)



1. Fan operating means comprising a support, a casing mounted to swing on the support, a shaft rotatable in the casing, a reel fast on the shaft, a coil spring connected between the reel and the casing, a cord on the reel, a gear rotatable on the shaft, a fan shaft driven by said gear, and a fan on said shaft, and means for causing the rotation of said shaft to swing the casing in opposite directions, and means for reversing the swing of the casing, and means for preventing operation of said latter means.

1,468,618. SODIUM COMPOUND OF DIOXYDIAMINOARSENOBENZENE AND PROCESS OF MAKING THE SAME. UMETARO SUZUKI, Tokyo, Japan. Original application filed June 7, 1916, Serial No. 102,317. Divided and this application filed Feb. 26, 1918. Serial No. 219,250. 3 Claims. (Cl. 260—15.)

1. The process of manufacturing sodium compounds from dioxydiaminoarsenobenzene hydrochloride which consists in mixing a methyl alcohol solution of such hydrochloride with sodium ethylate.

Patents Nos. 1,468,619 to 1,469,205.

THE
OFFICIAL GAZETTE
OF THE
United States Patent Office.

Vol. 314—No. 4. TUESDAY, SEPTEMBER 25, 1923. Price—$5 per year.

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Printed copies of patents are furnished by the Patent Office at 10 cents each. For the latter, address the Commissioner of Patents, Washington, D. C.

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Issue of September 25, 1923.

Trade-Marks	277—No.	173,318 to No.	173,594, inclusive.
Labels	33—No.	26,404 to No.	26,436, inclusive.
Prints	11—No.	6,894 to No.	6,904, inclusive.
Reissues	4—No.	15,688 to No.	15,691, inclusive.
Designs	15—No.	63,047 to No.	63,061, inclusive.
Patents	587—No.	1,468,619 to No.	1,469,205, inclusive.
Total	927		

Fee for Attorney's Certificate.

On request, a certificate of admission of an attorney to practice before this Office may be issued for a fee of $1.00, which should accompany the request or may be charged to deposit account.

ADVERSE DECISIONS IN INTERFERENCE.

In interference involving the indicated claims of the following patents final decisions have been rendered that the respective patentees were not the first inventors with respect to the claims listed:

Pat. 1,446,985, Charles A. Nelson, Conveyor structures, decided Aug. 14, 1923, claim 2.

Pat. 1,354,074, Hidde Klaas Schrage, Machine for balancing of unsymmetrical loads with polyphase distribution nets or supply mains, decided July 27, 1923, claims 1, 2 and 3.

ADJUDICATED PATENTS.

(C. C. A. Wis.) Carr patents, 1,203,482 and 1,204,245, for concrete-road-tamping machines, *Held* valid and infringed. *Carr* v. *Maxon*, 289 Fed. Rep., 949.

Notice of Cancellation.

U. S. PATENT OFFICE, *Washington, Sept. 13, 1923.*

Lottie Lillingston, her assigns or legal representatives, take notice:

A cancellation proceeding has been instituted by this Office upon the application of C. Benedict Mfg. Co., of 559 Mission Street, San Francisco, Calif., to effect the cancellation of the trade-mark registration of Henry W. Lyon, of Bridgeport, Conn., No. 25,969, dated February 5, 1895. The records of this Office show that Lottie Lillingston is the assignee of said Lyon. The notice of such proceeding sent by the applicant by registered mail to joint respondent Lottie Lillingston at her address of record, Bridgeport, Conn., having been returned by the post office undeliverable, notice is hereby given that unless said Lottie Lillingston, her assigns or legal representatives, shall enter an appearance therein within thirty days from the first publication of this order the cancellation will be proceeded with as to her interest, if any, as in case of default.

This notice will be published in the OFFICIAL GAZETTE for three consecutive weeks.

KARL FENNING,
Acting Commissioner.

Interference Notices.

U. S. PATENT OFFICE, *Washington, Sept. 13, 1923.*

John W. Stover, his assigns or legal representatives, take notice:

An interference having been declared by this Office between Frank C. Wahlenmaier, 748 Minnesota Avenue, Kansas City, Kans., for registration of a trade-mark and trade-mark registered October 13, 1908, No. 70,848, to John W. Stover, 1341 Oakdale Avenue, Grand Rapids, Mich., and a notice of such declaration sent by registered mail to said John W. Stover at the said address having been returned by the post office undeliverable, notice is hereby given that unless said John W. Stover, his assigns or legal representatives, shall enter an appearance therein within thirty days from the first publication of this order the interference will be proceeded with as in case of default.

This notice will be published in the OFFICIAL GAZETTE for three consecutive weeks.

KARL FENNING,
Acting Commissioner.

U. S. PATENT OFFICE, *Washington, Sept. 6, 1923.*

Seymour W. McTaggart, his assigns or legal representatives, take notice:

An interference having been declared by this Office between the applications of D. B. Smith & Company, Inc., of 414 Main Street, Utica, N. Y.; Charleston Drug Mfg. Co., of 37–39 Hayne Street and 100–102 Market Street, Charleston, S. C.; and L. Perrigo Company, of Allegan, Mich., for registration of a trade-mark and trade-mark registered Oct. 10, 1893, No. 23,704, to Seymour W. McTaggart, of 38 North Prince Street, Lancaster, Pa., and a notice of such declaration sent by registered mail to said McTaggart at the said address having been returned by the post office undeliverable, notice is hereby given that unless said McTaggart, his assigns or legal representatives, shall enter an appearance therein within thirty days from the first publication of this order the interference will be proceeded with as in case of default.

This notice will be published in the OFFICIAL GAZETTE for three consecutive weeks.

THOMAS E. ROBERTSON,
Commissioner.

Condition of Applications Under Examination at Close of Business September 14, 1923.

Room No.	(Total number of applications awaiting action, excluding Trade-Mark Division, 76,384. Trade-Mark Division, 3,340. Oldest new case, Oct. 23, 1922; oldest amended, Nov. 15, 1922. The dates given are 1922 except where * indicates 1923.) Divisions, Examiners, and subjects of inventions.	Oldest new application awaiting office action.	Oldest application by applicant awaiting office action.	No. of applications awaiting action.
		New.	Amended.	
314	1. LOEFFLER, F. A., Closure Operators; Fences; Gates; Harrows and Diggers; Plows; Planting; Scattering Unloaders; Trees, Plants, and Flowers.	Dec. 4	Nov. 29	1,351
128	2. HADEN, C. F., Bee Culture; Dairy; Preserving; Presses; Tents, Canopies, Umbrellas, and Canes; Tobacco.	Dec. 21	Nov. 16	1,453
175	3. RICH, WM. J., Electric Heating and Rheostats; Electrochemistry; Heating; Metal Founding; Metallurgical Apparatus; Metallurgy; Metal Treatment; Plastic Metal Working.	Nov. 16	*Feb. 21	1,412
234	4. MERRITT, A. D., Conveyers, Chutes, Skids, Guides, and Ways; Conveyers, Fluid Current; Conveyers, Power Driven; Excavating; Handling—Hand and Hoist-Line Implements; Material or Article Handling; Pushing and Pulling Implements; Railway Mail Delivery; Traversing Hoists.	Nov. 10	*Feb. 28	1,656
167	5. MACNAB, J. F., Bookmaking; Books, Strips, and Leaves; Harvesters; Jewelry; Manifolding; Music; Printed Matter; Tying Cords or Strands.	Nov. 3	Nov. 16	1,538
318	6. LEWERS, A. M., Bleaching and Dyeing; Chemicals; Chemistry—Carbon Compounds; Explosive, Pyrotechnic, and Match Compositions; Fertilizers; Liquid Coating Compositions; Medicines; Plastic Compositions; Substance Preparation.	Oct. 23	*Feb. 10	1,800
312	7. JARBOE, C. G., Games and Toys; Optics; Photography	Dec. 2	*Jan. 5	2,836
133	8. CLIFT, J. W., Beds; Chairs and Seats; Furniture; Kitchen and Table Articles; Store Furniture; Supports.	*Feb. 20	*May 4	1,830
221	9. TRYON, F. M., Air and Gas Pumps; Hydraulic Motors; Injectors and Ejectors; Motors, Fluid; Motors, Fluid Current; Pumps.	Nov. 22	*July 17	919
235	10. HUNTER, O. F. (Acting), Motor Vehicles; Land Vehicles—Animal Draft Appliances, Bodies and Tops, Dumping, Wheel Substitutes.	Dec. 4	*Feb. 24	1,495
154	11. ARMSTRONG, H. C., Boot and Shoe Making; Boots, Shoes, and Leggings; Button, Eyelet, and Rivet Setting; Harness; Hides, Skin, and Leather; Leather Manufactures; Nailing and Stapling; Whips and Whip Apparatus.	*Mar. 12	*Feb. 20	1,028
322	12. PIERCE, P. P., Machine Elements	*Jan. 10	*Jan. 29	1,481
329	13. NIXON, G. A., Bolt, Nail, Nut, Rivet, and Screw Making; Chain, Staple, and Horseshoe Making; Driven, Headed, and Screw-Threaded Fastenings; Gear Cutting, Milling, and Planing; Metal Drawing; Metal Forging and Welding; Metal Rolling; Metal Working; Needle and Pin Making; Turning.	Dec. 12	*Apr. 26	1,238
323	14. BRUMBAUGH, N. J., Compound Tools; Cutting and Punching Sheets and Bars; Farriery; Metal Bending; Metal Tools and Implements, Making; Sheet-Metal Ware, Making; Tools; Wire Fabrics and Structure; Wire Working.	Nov. 16	*July 9	1,136
308	15. REDROW, W. L., Glass; Laminated Fabric and Analogous Manufactures; Paper Making and Fiber Liberation; Plastic Block and Earthenware Apparatus; Plastics.	Nov. 15	Dec. 15	2,198
112	16. BACKUS, C. D., Radiant Energy; Telegraphy; Telephony	Nov. 20	Nov. 18	2,643
307	17. RAFTER, G. S., Coating, Label Pasting, and Paper Hanging; Nut and Bolt Locks; Ornamentation; Paper Manufactures; Printing; Type Casting; Sheet-Material Association or Folding; Sheet or Web Feeding or Delivering; Type Setting.	Nov. 17	*Mar. 7	1,027
229	18. PORTER, M. E., Liquid Heaters and Vaporizers; Motors, Expansible-Chamber Type; Power Plants; Speed-Responsive Devices.	Nov. 13	Nov. 15	2,101
236	19. GLASOCK, F. S., Automatic Temperature and Humidity Regulation; Furnaces; Heating Systems; Stoves and Furnaces; Thermostats and Humidostats.	*Apr. 19	*May 26	697
179	20. WRIGHT, H., Artificial Body Members; Miscellaneous Hardware; Closure Fasteners; Cutlery; Dentistry; Locks and Latches; Safes; Undertaking.	*Feb. 6	*Jan. 11	1,651
212	21. THUBBER, W. L., Winding and Reeling; Textiles—Braiding, Netting, or Lace Making, Cloth Finishing, Fiber Preparation, Knitting, Spinning, Twisting or Twining, Weaving.	Nov. 18	*May 21	1,060
249	22. COLWELL, J. H., Aeronautics; Firearms; Ordnance; Ammunition and Explosive Devices; Ammunition and Explosive-Charge Making; Air Guns, Catapults, and Targets; Boats and Buoys; Ships; Marine Propulsion.	Dec. 20	*Feb. 5	663
217	23. GROSSBECK, W. D., Acoustics; Coin Handling; Recorders; Registers; Sound Recording and Reproducing.	Nov. 15	Dec. 8	860
144	24. DURAS, C. O., Apparel; Apparel Apparatus; Garment Supporters; Sewing Machines	Nov. 17	*Feb. 8	1,386
315	25. LIGHTFOOT, J. H., Agitating; Butchering; Centrifugal-Bowl Separators; Mills; Threshing; Vegetable and Meat Cutters and Comminutors; Gas Separation.	*Mar. 30	*Feb. 10	1,065
105	26. HODGES, J. S., Electricity, Generation; Motive Power; Prime-Mover Dynamo Plants	Nov. 24	Dec. 4	1,033
214	27. ANDERSON, L. S., Brush, Broom, and Mop Making; Brushing, Scrubbing, and General Cleaning; Laundry; Washing Apparatus.	Dec. 1	*Jan. 10	1,578
225	28. BENSON, A. R., Internal-Combustion Engines	*Jan. 29	*Jan. 27	1,423
147	29. MORRIS, B. N., Abrading; Boring and Drilling; Button Making; Chucks or Sockets; Coopering; Tool-Handle Fastenings; Wheelwright Machines; Wood Sawing; Wood Turning; Woodworking; Woodworking Tools.	Dec. 14	*Jan. 29	1,379
152	30. SULLIVAN, M. R., Illuminating Burners; Illumination; Liquid and Gaseous Fuel Burners; Typewriting Machines.	*Jan. 6	*May 2	1,608
172	31. HOLMES, W. N., Alcohol; Ammonia, Water, and Wood Distillation; Charcoal and Coke; Gas, Heating and Illuminating; Hydraulic Cement and Lime; Mineral Oils; Oils, Fats, and Glue; Sugar, Starch, and Carbohydrates; Concentrating Evaporators.	Nov. 16	Nov. 18	1,652
278	32. BANCROFT, J. F., Gas and Liquid Contact Apparatus; Heat Exchange	Nov. 20	Nov. 18	1,399
70	33. WYMAN, W. I., Bridges; Hydraulic and Earth Engineering; Masonry and Concrete Structures; Metallic Building Structures; Roads and Pavements; Roofs; Rod Joints or Couplings; Pipe Joints or Couplings; Valved Pipe Joints or Couplings.	Dec. 14	Nov. 29	1,753
304	34. SIMPSON, G. R., Electricity-Transmission to Vehicles; Pneumatic Dispatch; Railways; Railway Rolling Stock; Railway Switches and Signals; Railways, Surface Track; Railway Wheels and Axles; Store Service; Track Sanders; Vehicle Fenders.	*Jan. 23	*Mar. 5	873
52	35. REYNOLDS, E. C., Buckles, Buttons, Clasps, Etc.; Card, Picture, and Sign Exhibiting; Signals and Indicators; Toilet.	*Mar. 2	*Apr. 27	1,023
265	36. MORTON, G. L., Automatic Weighers; Driers; Geometrical Instruments; Measuring Instruments; Force Measuring.	*Feb. 10	*Feb. 3	2,088
107	37. TAYLOR, E. C., Electricity, Circuit Makers and Breakers	Nov. 18	Nov. 24	1,949
378	38. IDE, G. R., Animal Husbandry; Earth Boring; Fishing, Trapping, and Vermin Destroying; Mining, Quarrying, and Ice Harvesting; Stationery; Stoneworking, Wells.	Dec. 8	Nov. 17	2,029
220	39. COWLES, A. W., Fluid-Pressure Regulators; Multiple Valves; Valves; Water Distribution	Nov. 27	Nov. 15	1,418
269	40. OBERLIN, J. J., Baggage; Bottles and Jars; Cloth, Leather, and Rubber Receptacles; Deposit and Collection Receptacles; Metallic Receptacles; Package and Article Carriers; Paper Receptacles; Special Receptacles and Packages; Wooden Receptacles.	Nov. 18	*Apr. 27	2,205
125	41. BROWN, J. I., Land Vehicles, Wheels and Axles; Resilient Tires and Wheels	*Jan. 17	*Mar. 2	995
114	42. CUTTING, H. O., Electrical Conduits and Housings; Electric Signaling; Electric Lamps	Nov. 11	Dec. 2	1,766
382	43. HOPKINS, F. M., Baths and Closets; Electricity, Medical and Surgical; Fire Extinguishers; Sewerage; Surgery; Liquid Separation or Purification.	*Jan. 3	Nov. 28	1,896
233	44. SHAFFER, C. H., Bread, Pastry, and Confection Making; Dispensing; Dispensing Beverages; Filling and Closing Portable Receptacles; Railway Draft Appliances; Refrigeration.	Dec. 7	*Mar. 24	1,211
379	45. GILES, A. H., Journal Boxes, Pulleys, and Shafting; Lubrication; Motors; Spring Devices	Dec. 22	Dec. 1	1,684
332	46. WOLCOTT, C. L., Curtains, Shades, and Screens; Educational Appliances; Fire Escapes; Ladders; Fluid Sprinkling, Spraying, and Diffusing; Paper Files and Binders; Wooden Buildings; Scaffolds.	*Jan. 6	*Jan. 9	1,553
264	47. BARKER, H., Brakes; Clutches and Power Stop Control; Elevators; Fluid-Pressure Brake and Analogous Systems; Horology; Time-Controlling Mechanism.	Dec. 7	*Mar. 10	1,223
118	48. ROEPKE, O. B., Electricity Conductors; Electricity, General Applications	Nov. 16	Nov. 15	2,439
383	49. EDINBURG, F. P., Check-Controlled Apparatus; Domestic Cooking Vessels; Fuel and Igniting Devices; Joint Packings; Packed Shaft or Rod Joints; Pneumatics; Velocipedes.	Dec. 22	Dec. 26	608
102	DESIGNS: C. O. MARKHAM (Acting)	*Feb. 13	*Mar. 14	2,178
163	TRADE-MARKS, LABELS AND PRINTS: T. L. MEAD, JR.	Trade-Marks *May 25	*July 20	3,293
		Labels and Prints *Sept. 4	*Sept. 10	47

DECISIONS IN PATENT AND TRADE-MARK CASES.

Court of Appeals of the District of Columbia.

THE PATTERSON-SARGENT COMPANY *v.* THE INDIANA INDESTRUCTIBLE PAINT COMPANY.

No. 1,551. Decided June 4, 1923.

TRADE-MARKS—DISSIMILAR DESIGNS.

Where the outer form of the main design of both marks is circular and the narrow ring and cup-shaped base of the applicant and the disk and rectangular base of the opposer are orange colored, but the applicant's symbol bears a large green disk in the center and a diametrically-extending diamond-shaped blue figure bearing in large white letters the distinctive parts of applicant's name which completely distinguish the symbol from that of the opposer, *Held* that only a lack of caution amounting to clean-cut carelessness on the part of a customer would cause the mark of the applicant to be mistaken for that of the opposer.

Mr. J. T. Newton and *Mr. R. S. Gehr* for The Patterson-Sargent Co.

Mr. C. R. Allen and *Mr. E. T. Fenwick* for The Indiana Indestructible Paint Company.

Before ROBB and VAN ORSDEL, Justices, and SMITH, Judge of the United States Court of Customs Appeals.

SMITH, *J.:*

On the 11th day of February, 1920, the Indiana Indestructible Paint Company filed in the Patent Office its application for the registration of an orange-colored ring having a green center and a white border. The design carries an elongated diamond which passes diametrically through the green center and extends beyond the white border. The orange ring bears the black-lettered words "Indiana Paint Company", and the diamond, the white-lettered word "Indestructible". The figure is superimposed on an orange-colored cup-shaped base with a black and white border. On the orange-colored portion of the base, is printed in black letters, the words "Paints, Stains and Enamels".

The Patterson-Sargent Company opposed the registration of the mark on the ground that it was similar to trade-marks previously appropriated by the opposer and would be likely to cause confusion in the trade and mislead the public as to the origin of the goods to which it was applied.

The typical mark of the opposer claimed to be simulated by that of the applicant is an orange-colored circular figure which has a narrow white border and rests on a white-bordered orange-colored rectangular base. On the orange colored circular figure is printed the letters "B. P. S." or "A to Z Brand", and on the orange-colored base either the words "Ready Mixed Paints", or the words and figures "House Paints, Chocolate—244—Brand."

The large green disk in the center of the applicant's symbol and the diamond-shaped blue figure bearing in large white letters the distinctive part of applicant's name are prominent features of the mark for which registration is sought and completely distinguish it from that of the opposer. Indeed, with the exception that the outer form of the main design of both marks is circular and that the narrow ring and cup-shaped base of the one and the disk and rectangular base of the other, are orange colored, there is no resemblance whatever between the symbols in issue. In our opinion only a lack of caution amounting to clean-cut carelessness on the part of a purchaser would cause the mark of the applicant to be mistaken for that of the opposer and we must therefore hold that the opposition was properly dismissed.

The decision from which this appeal was taken is affirmed.

Affirmed.

U. S. Circuit Court of Appeals—Sixth Circuit.

PECK *v.* STANDARD PARTS CO.

Decided July 21, 1922.

[282 Fed. Rep., 443.]

1. MASTER AND SERVANT—PATENTS—UNDER GENERAL CONTRACT TO DEVISE IMPROVEMENTS, INVENTION AND PATENT BELONG TO EMPLOYEE, AND EMPLOYER HAS LICENSE.

Under a general contract of employment, requiring the employee to devise such improvements as he can in the employer's machines, processes, or product, any patentable invention belongs generally to the employee, while the employer has a license to use it, the extent of which depends on the facts.

2. SAME—EXPRESS CONTRACT, GIVING EMPLOYEE'S INVENTIONS AND PATENTS TO EMPLOYER, IS VALID AND ENFORCEABLE.

An express contract, appearing with sufficient certainty and reasonably limited to the subject matter, giving the inventions and patents developed by an employee at the employer's expense to the employer, is valid and enforceable.

3. SAME—PATENTS—INVENTION BELONGS TO EMPLOYEE, THOUGH CONTRACT IS TO DEVISE OR IMPROVE SPECIFIC THING.

The rule that patentable improvements invented by an employee on the time and at the expense of the employer belong to the employee, and that the employer has only a license for their use, applies, though the employment was to devise or improve a specific thing, especially where the invention as made and patented extends beyond the field of the employer's business.

4. PATENTS—STATUTE AS TO RIGHT TO USE AND SELL MACHINES CONSTRUCTED BEFORE APPLICATION FOR PATENT HELD APPLICABLE.

Revised Statutes section 4899 (Comp. St., sec. 9445), providing that every person purchasing of an inventor or discoverer, or with his knowledge and consent constructing any patentable article prior to the application for a patent, shall have a right to use and vend the specific thing so made or purchased, applied to machines constructed by plaintiff for one employing him to develop new machinery, and which had been in process of construction for months before the patent application was made, and the employer had a right to sell such machines.

5. SAME—MACHINES CONSTRUCTED BY PATENTEE FOR ANOTHER COULD BE SOLD BY IT.

Aside from Revised Statutes section 4899 (Comp. St. sec. 9445), machines constructed by a patentee for one employing him to develop new machinery with its material and labor, and with satisfactory compensation to him for his supervision, could be sold by the employer.

6. SAME—LICENSE TO INVENTOR'S EMPLOYER DOES NOT PASS ON SALE OF EMPLOYER'S BUSINESS.

The license to construct a patentable invention, resulting from the fact that the invention was devised by the patentee while in the licensee's employment and at its expense, is not assignable, and does not pass by an ordinary sale of the employer's business.

APPEAL from the District Court of the United States for the Eastern Division of the Northern District of Ohio; D. C. Westenhaver, judge.

Suit for infringement of patent by William J. Peck against the Standard Parts Company. From a decree for defendant, plaintiff appeals. Reversed and remanded.

Mr. Chas. L. Byron (*Mr. Wm. J. Peck* and *Mr. George L. Wilkinson* on the brief) for appellant.

Mr. Bert M. Kent (*Messrs. Tolles, Hogsett, Ginn & Morley* on the brief) for appellee.

Before KNAPPEN, DENISON, and DONAHUE, Circuit Judges.

DENISON, *Cir. J.*:

The Hess Pontiac Spring & Axle Company (hereafter called the Pontiac Company, or the employer) was engaged in manufacturing springs for the Ford automobile, and desired automatic machinery for such manufacture. Having already acquaintance and some business relations with Wm. J. Peck, of Peoria, Ill., who was a designer of machinery and a solicitor of patents, and a lawyer practicing in patent cases, the Pontiac Company, as first party, entered into a written contract with Peck, as second party, which was signed August, 1915, and the body of which is as follows:

> This agreement witnesseth: That second party is to devote his time to the development of a process and machinery for the production of the front spring now used on the product of the Ford Motor Company. First party is to pay second party for such services the sum of $300 per month. That should said process and machinery be finished at or before the expiration of four months from August 11, 1915, second party is to receive a bonus of $100 a month. That when finished second party is to receive a bonus of $10 for each per cent of reduction from present direct labor, as disclosed by the books of first party.

Peck proceeded under the contract, and eventually developed, and there were manufactured, a series of machines which produced these springs to the satisfaction of the Pontiac Company. One of the series, known as No. 9, completed the forming of a spring leaf and gave it an oil bath. The compensation provided by the contract was paid. Later the Pontiac Company, with Peck's active participation, manufactured and put into production five more of the No. 9 machines. Still later, the Standard Parts Company took over all the property and business of the Pontiac Company and became its commercial successor. It proceeded to build and install four more of the No. 9. In the meantime Peck had been negotiating with the Pontiac Company and its successor for a permanent contract for his expert services, and had obtained a patent upon this particular machine; this patent being No. 1,249,473, issued December 11, 1917, to him upon a "forming and quenching machine."

The negotiations for a satisfactory general contract failed, and thereupon Peck brought this action in the court below. It was in the usual form of an infringement bill. The defendant answered, relying wholly upon its right under the contract of August, 1915, by virtue of which it claimed equitable title to the patent in suit; and the answer proceeded, in the nature of a cross bill, to set up the facts more fully, and to ask a decree that the plaintiff be compelled to convey to it the legal title. After a hearing upon proofs duly taken, the court fully sustained the defendant's position, and made a decree directing that the bill be dismissed, and that the patent be conveyed to defendant, as prayed by the cross bill.

[1, 2] The primary question in the case is as to the legal effect of the contract. In its discussion it is to be taken as the starting point that where an employee, under merely a general contract obligation to devise such improvements as he can in the employer's machines, processes, or product, makes such an improvement, developing it upon the time and at the expense of his employer, and the improvement involves a patentable invention, the invention and patent belong generally to the employee, while the employer has a license, the extent of which depends upon the facts of the case. (*Hapgood* v. *Hewitt*, 119 U. S., 226; 7 Sup. Ct., 193; 30 L. Ed., 369; 37 O. G., 1247.) It is equally clear that where there is an express contract, appearing with sufficient certainty and reasonably limited to the subject matter, giving such inventions and patents to the employer, it is valid and will be specifically enforced. (*Mississippi Co.* v. *Franzen*, C. C. A., 3; 143 Fed., 501; 74 C. C. A., 135; 6 Ann. Cas., 707.)

[3] The question now for determination is whether there is an exception to the universality of the first rule, by which, though in the absence of any express contract or distinct understanding that the patent shall belong to the employer, that result will follow as a matter of law from some particular contracts of employment. The supposed exception was formulated by Mr. Justice Brown in *Gill* v. *United States* (160 U. S., 426), when he said on page 435, 16 Sup. Ct., 322, on page 326 (40 L. Ed., 480), after stating the general rule that ordinarily the inventions and patents of the employee for improvements in the machine with which he is connected belong to him:

> On the other hand, it is equally clear that, if the patentee be employed to invent or devise such improvements, his patents obtained therefor belong to his employer, since in making such improvements he is merely doing what he was hired to do.

If this is to be taken as an accurate statement of the existing rule of law, it applies to the situation here involved and justifies the decree below. Whether it should be so accepted is a question of great general importance, which has received careful consideration in only one reported case, and which we think justifies a full discussion.

In the dearth of actual authority, the situation invites thought as to the underlying principles and reasons. If one is hired in a general supervising or advisory capacity—as was Hewitt in the Hapgood case—and it is expressly understood that he is to devote his talents and skill to making improvements, and if, in the course of developing such improvements, he makes a patentable invention therein, there would be strong ethical grounds for saying that the invention belonged to the employer, just as did the other fruits of the labor and skill which had been bought and paid for; but the contrary view has prevailed, and has become the settled law. The approved principle—although it is not fully developed in the Hapgood case—perhaps is that such a contract commonly contemplates, and is fully satisfied by, that body of devices and improvements and betterments which are the product of mere skill; that all these things the employer indisputably obtains for the benefit of his business, and they justify the price which he has agreed to pay; that for the employee to go beyond such skill and make a patentable invention is the unusual and abnormal thing; and that for the employer to get, not only the benefit of the improvements in his business, but to get also a monopoly whereby all others can be excluded for a period of years, is also a thing not normally to be anticipated, and particularly is this so when the patent extends, as it often or usually will, to a monopoly reaching into many other lines of business, and just as far as the patented device could be usable. In this view there is satisfactory reason for saying that, if the entire invention and all its possible exploitation are to be taken away from its primary owner and transferred to the employer, that result ought to be expressed in the clearest and plainest words, and ought not to be left to uncertain implications from duties and conduct.

We think that this idea, substantially as thus stated, is the foundation principle of the whole inquiry. It does not follow that, because the employer does not get everything, he gets nothing. The existence of the license which the courts have declared in this situation is only the result of determining the intent of the parties from their relations and conduct, whether it be based on the doctrine of implied contract, following out the real intent, or on that of estoppel.

Further inquiring as to matters of the principle involved: Is there any reason why a contract to devise one specific improvement should be made an exception to the rule which is applied to contracts to devise improvements of a specific class? In other words, while we recognize the general rule that Hewitt, employed to devise and make improvements in the plows manufactured by the Hapgood Company, became the owner of an invention which he made in such plows, and with only a license to the employer, is there any logical basis for saying that Clark (in the Solomons case, infra), whose duty was to devise a self-canceling stamp and who made an invention therein, took nothing under his invention, but the employer took the whole title, instead of a license? We have not found, in any of the cases, any reason suggested for such a distinction; nor do we observe any. Surely the reason that the fruits of the inventive skill have been bought and paid for, if it were a good reason, would deny the general rule as well as support the exception. Nor can any theory of estoppel uphold the exception, as distinct from the rule. Ordinarily, every equity in the employer created by estoppel will be completely satisfied by a license; and, if estoppel could lead to a right to have the patent conveyed to the employer, that result would follow as well in contracts of general employment as with contracts to devise a particular thing. Indeed, after examining, as we think, every reported Federal case on the subject, we find only two in which the principles of estoppel are, or may be, relied upon to support a decree giving title to the employer; and in both of those the employment was general, not specific. (*National Co.* v. *Healy*, C. C. A., 7; 189 Fed., 49; 110 C. C., 613; *Dowse* v. *Federal Co.*, D. C., 254 Fed., 308, 316.)

Nor can we think that the exception commends itself as so inherently reasonable as to require adoption. It can be illustrated by application to familiar cases. If a farm laborer had been employed specifically to build a wire fence which would keep cattle out, and had hit upon the successful method of attaching a barb, ought the employing farmer to have been entitled to the barbed-wire patent? If the superintendent of a mining company's stamp mill had been directed to put his energies on finding a better plan of concentration to use in the company's work, and had hit upon the flotation process, should the mining company be entitled to the patent? Nor is there any hardship to the employer in denying that a contract to devise a particular improvement conveys title to any resulting invention. If that is the intent, it is easy to say so.

Another thing is obvious. If the exception exists, there would be great difficulty, if not practical impossibility, in drawing a line between the rule and the exception. If there are five articles in the employer's line of manufacture, and an agreement to try to improve all of them does not carry title to the resulting patent (the general rule of the Hapgood case), while an agreement to try to improve one of them does carry such title (the supposed exception), what would be the law about an agreement to try to improve three of them?

Since we are bound to accept as logically sound, the general rule that a contract to make improvements does not carry the whole patent, and since we find no logical basis for the alleged exception, and great practical difficulty in its application, it must follow that we cannot approve the exception, unless there is compelling authority to that effect.

There is no such authority, unless it be found in what is said by Justice Brewer in the Solomons case, infra, and Justice Brown in the Gill case, supra. These statements can best be considered in connection with a review of the entire field in which the Supreme Court has touched the subject.

In *McClurg* v. *Kingsland* (1 How., 202; 11 L. Ed., 102) Harley was employed at a foundry, receiving weekly wages. While so employed he devised the improvement, which was in effect a process, and it was used in the foundry successfully for several months with his participation. He proposed that a patent should be taken out and that the employer should buy it. The proposition was declined. He did not demand compensation for the use, or give notice not to use it, until he left the employment. The only holding was that Harley could not recover against his former employer for infringement of the patent, because the existence of a license or grant from Harley might be presumed.

In *Hapgood* v. *Hewitt*, Judge Gresham, in the Circuit Court (11 Fed., 422; 21 O. G., 1786), had held that there had been only a license, and that, being nonassignable, it had not passed to the defendant. The Supreme Court affirmed (119 U. S., 226; 7 Sup. Ct., 193; 30 L. Ed., 369). The opinion was in 1886 and was by Justice Blatchford. It appeared that Hewitt was expressly employed, not only as superintendent,

> but also [to] devote his time and service to devising improvements in getting up and perfecting plans adapted to the general trade of the [employer].

He agreed to—

> use his best efforts and devote his knowledge and skill to devising and making such improvements in getting up and perfecting plans and other improvements adapted to the trade.

During this employment he made the invention in question. It was held that title to the invention had not passed to the employer. Construing the contract, as it has been recited, Justice Blatchford said that it contained nothing—

> as to any agreement between the corporation and Hewitt that the former was to have the title to his inventions or to any patent that he might obtain for them. * * * It is not averred that anything passed between the parties as to a patent. We are not referred to any case which sustains the view that on such facts * * * the title to the invention or to a patent for it passed.

The suggested exception to the general rule, viz, that the title will pass if the employment is to devise a specific thing, was not mentioned by Justice Blatchford, but seems to have been fully presented by the facts of the case, and to be covered by the decision. It appears (119 U. S., 230; 7 Sup. Ct., 193; 30 L. Ed., 369) that not only was there the general employment with the general duties, but that the company had thought advisable to change the form from a wooden sulky to an iron sulky, and that the president expressly directed Hewitt to proceed to devise and build an iron sulky plow in accordance with the directions which had been given to him, and that, after some difficulty and pursuant to the general instructions, he succeeded in making an iron sulky plow satisfactory to the president, and it was for the features of this iron sulky that he secured the patent. It is not easy to see how employment to devise a particular thing can be more specific than Hewitt's was, and it seems plain enough that Justice Blatchford did not know of the exception now alleged. This necessary aspect of the decision is to be remembered in observing the later cases.

In *Solomons* v. *United States* (137 U. S., 342; 11 Sup. Ct., 88; 34 L. Ed., 667; 54 O. G., 265), Justice Brewer wrote the opinion. Clark was an employee of the Government. The Secretary of the Treasury, in connection with internal-revenue taxes, desired to adopt the best methods, and Mr. Clark was called into consultation and assigned the duty of devising an internal-revenue stamp of the most useful form which he could make up. He did devise a self-canceling stamp, reported it back to the Treasury, and it was adopted. Later, he obtained a patent upon it, and brought infringement suit against the United States. The only thing involved in the case was the right of the United States to make use of the stamp without paying royalty. Title to the patent was in no way involved. What is said by Justice Brewer (137 U. S., on page 346; 11 Sup. Ct., 88; 34 L. Ed., 667) may be ambiguous, but is fairly well satisfied by applying it so as to give the employer a license. He divided the master and servant situation into two classes: In one, where there is only a hiring for general service, the facts may be such as to support an inference of license to the master, and this is a question of fact for the jury. In the other class, where there is specific hiring to devise an improvement, the master's rights in any resulting invention arise as a matter of law. The extent of such rights, beyond a license, was not involved, and presumably not in the mind of the Court. We think the language used, when the question before the Court is remembered, can hardly be construed to extend to the whole patent. If so, it was entirely obiter.

We agree with the construction given by Judge Gray in the *Hansen Case*, infra (137 Fed., at page 412; 71 C. C. A., 207; 2 L. R. A. (N. S.), 1172). If the self-canceling stamp had been useful as a label or seal for private manufacturers, and Clark had brought a suit against them upon the patent, it would hardly have been claimed that Justice Blatchford had decided that the patent belonged to the United States and not to Clark. Certainly, if the decision is given the broader meaning now attributed to it by defendant, it was in conflict with the thing decided in *Hapgood* v. *Hewitt*, and yet the majority of the court was the same as in the former case, including Justice Blatchford. Every presumption is that no overruling or even modification of the former case was intended.

Another thing should be noted in connection with this opinion. The case was in the Supreme Court on appeal from the Court of Claims (22 Ct. Cl., 335), where it had been held that, while the Government did not obtain a specific interest in the patent or monopoly of the invention, nor a right to share in the profits thereof, so as to exclude other

persons from the use of it, nevertheless it acquired the right to manufacture and use the stamp in its revenue service without liability to the inventor, and it was this decision which Justice Brewer was affirming. In view of this, can it be supposed that he intended to say that the Court of Claims was wrong and that the Government did take title to the patent?

In *Dalzell* v. *Dueber Watch-Case Mfg. Co.* (149 U. S., 315; 13 Sup. Ct., 886; 37 L. Ed., 749), it appeared that Dalzell had a patent for a device used in making watches. When he devised the improvement he was in the employ of the Dueber Company as a toolmaker, and was following out the instructions of the president in trying to perfect an apparatus for making watch cores. The former superintendent had endeavored to do this, but had failed. Dalzell was instructed to take it up and carry it on. He succeeded. He made no demand for compensation, and the company paid all the expenses of obtaining the patent, which was necessarily taken in Dalzell's name. In the circuit court (38 Fed., 597), Circuit Judge Wallace found that these facts justified the conclusion that the patent was to belong to the employer, and ordered Dalzell to make a conveyance. The Supreme Court reversed this decision. Justice Gray wrote the opinion. On page 320 of 149 U. S., on page 888 of 13 Sup. Ct. (37 L. Ed., 749), he restates the proposition that the employer is not entitled to the patent "in the absence of express agreement to that effect." He then proceeds to discuss whether there had been such express agreement. Dueber, president of the employer, said "Yes," and Dalzell, "No." Judge Wallace had believed Dueber. The Supreme Court developed the reasons for deciding against him. It does not seem that Justice Gray or any member of the court knew of the exception now alleged. The facts stated by Judge Wallace show that the employment was to devise and perfect a particular thing—dies and forms for watch cores—and if such specific employment carried a right to the resulting patent, the decision of the Supreme Court was wrong. As it is, it must negative the existence of any such exception. It is true Justice Brewer dissented in this case, but the natural presumption is that he dissented because he agreed with Judge Wallace on the questions of fact involved.

It is suggested that in cases like those of Hewitt and Dalzell there was a general employment, which would not carry interest in the title to an invention, and upon the basis of which the specific duty to improve or make a particular thing was superimposed, and that if the specific duty were wholly independent of any general services it would efficiently support an inference of intent to convey any resulting patents. We do not see any distinction. The obligation of Hewitt or Dalzell to make an improved sulky plow or watch core was expressly created by special contract, and was no more and no less because he happened to be already on the pay roll.

Next among Supreme Court cases comes *Lane* v. *Locke* (150 U. S., 193, 199; 14 Sup. Ct., 78; 37 L. Ed., 1049). The only question here involved (the facts are somewhat more fully stated by Judge Sage in [C. C.] 35 Fed., at page 289), was whether a license might rightly be inferred. The Court quotes from the Solomons case what is said about license; but the decision has no pertinence at all as to the supposed exception.

Next is *McAleer* v. *United States* (150 U. S., 424; 14 Sup. Ct., 160; 37 L. Ed., 1130). Here there was a written license from the patentee to the United States, and the only question involved was as to the construction of the license and whether it was to be varied by parol. On page 430 of 150 U. S. (14 Sup. Ct., 160; 37 L. Ed., 1130) the Court quotes from the Solomons case Justice Brewer's language, which is supposed to establish the exception; but it is a casual quotation, and the opinion has no bearing upon the construction or meaning of the quoted paragraph.

The next case is *Gill* v. *United States*, supra. The opinion was by Justice Brown. The only question involved, as stated in the first sentence of his opinion, was whether the employer had a license. On page 435 of 160 U. S. (16 Sup. Ct., 322; 40 L. Ed., 480), however, he seems to assume that he is repeating the Solomons case when he says that in the case of the specific employment the patent belongs to the employer. Not only is this completely obiter in the Gill case, but it is a misunderstanding of the Solomons case, because, if we correctly interpret Justice Brewer, he did not say what is here attributed to him; and it must have been inadvertent to say that the Solomons case might have been decided on this ground, because in the Solomons case it was stated by the Court of Claims, and agreed all around, that the patent did not belong to the employer. So far as we can find, this proposition, so stated by Justice Brown in the Gill case, was then stated for the first time, unless by Justice Brewer.

It has been suggested that *Hapgood* v. *Hewitt* is discredited, because Justice Brown did not refer to it in his review in the Gill case. There was no reason why he should. It turned out in the Gill case that Gill was claiming exemption from the general rule that the employer had a license, because Gill had perfected his invention outside of working hours and with his own resources. Justice Brown therefore reviewed the cases which had sustained an employer's defense on the ground of license, to see if they justified Gill's theory. *Hapgood* v. *Hewitt* was not one of those cases, and there was no occasion to refer to it.

From this review it appears that in the Supreme Court the exception has been denied in two cases (Hapgood and Dueber), in general language, but where, in each case, the denial was essential to the result reached, and that it has been affirmed, in one case clearly (Gill) and in another doubtfully (Solomons), but when, in each case, it was irrelevant to the issue. The weight of authority in that

Court is thus beyond dispute. In no later case in lower courts has the alleged exception been involved, directly or indirectly, or quoted or referred to, excepting in the following:

In the *Healy Case* (189 Fed., 49; 110 C. C. A., 613) and the *Hansen Case* (137 Fed., 403; 71 C. C. A., 207; 2 L. R. A. (N. S.), 1172; C. C. A. cases later mentioned) the exception is more or less definitely denied. In *Wilson* v. *Wilson Co.* (D. C., 241 Fed., 497) District Judge Waddill quotes the paragraph containing the exception, as if it might be the rule in a proper case, but decides that in the case before him there was only a license. In *Dowse* v. *Federal Co.* (254 Fed., 309) District Judge Sanborn quotes Justice Brewer's ambiguous statement from the Solomons case, and then quotes and approves Judge Gray's statement, in the Hansen case, that there must be an express agreement to assign. He then goes on to decide that all the facts and circumstances and Dowse's employment as president and general manager in building up the company's business, based on the exclusive rights given by the patent in Dowse's name, justified the inference of an express understanding that the patent was to belong to the company and estopped Dowse from denying such contract. This was really the situation also in the Healy case mentioned. In *Ingle* v. *Landis Tool Co.* (262 Fed., 150) District Judge Witmer quoted Justice Brewer's statement, and held that the employee inventor's conduct, continued long after his employment ceased, demonstrated his intent that the invention should belong to the employer; but, even under these facts, the decision was reversed. (C. C. A., 272 Fed., 464.)

From this further review it may be said that the alleged exception never has been applied or enforced in any case. In the last two cases cited, which come the nearest, it was of no importance whether the employment was general or specific. In fact, the employment was general in both of them.

Coming now to a discussion of the particular point by other courts: In the *Hansen Case* (Judge Buffington, C. C., 128 Fed., 444; 137 Fed., 403; 71 C. C. A., 207; 2 L. R. A., N. S., 1172) Judge Gray's discussion makes it clear that the court of appeals does not believe the alleged exception is established by the Solomons and Gill cases. Judge Acheson's dissent only emphasizes the fact that Hansen was employed to do a particular thing, and therefore shows that the opinion of the majority is an express disapproval of the dicta which Judge Acheson prefers to follow. The Hansen case has several times been cited approvingly on the general proposition that there must be an express agreement to assign, and Judge Acheson's dissent has never received approval. In *Ingle* v. *Landis* (C. C. A., 3; 272 Fed., 464, 465) it was said by Judge Buffington that this decision had made a satisfactory working rule which had ever since (since 1895) been followed in the third circuit.

In *National Box Co.* v. *Healy* (189 Fed., 49, 56; 110 C. C. A., 613) the Circuit Court of Appeals of the Seventh Circuit seems to give its approval to this quotation (189 Fed., 56, 57; 110 C. C. A., 620, 621):

> The rule may be stated in a few words. No matter what the contract of service may be—whether for ordinary employment or for specific inventive work—the master can not have title to an invention of a servant, in the absence of an express contract to assign it to him, although made in the course of the service and at the master's expense. Stray statements which seem to point to the master's right of ownership are to be found in some opinions, but these decisions can not stand as authorities against the main body of cases from which the above rule is gathered.

The court then concludes that it is sufficient to satisfy this rule if the employee consciously and deliberately contemplates that an invention, if made, shall belong to the master, although mere employment, general or specific, will not raise that inference. Judge Seaman was not willing to go even so far, but concurred because he thought the evidence showed an express oral promise to convey. Speaking of the power to compel conveyance of the patent when there is an express contract, he says:

> I believe no other relation of the parties (fiduciary or contractual) in their undertaking can sanction such relief, nor furnish support therefor, beyond the undoubted weight of the evidence thereunder in corroboration of the testimony that inventions made were to be assigned.

This court had one phase of the question quite early, in *Withington Co.* v. *Kinney* (68 Fed., 500; 15 C. C. A., 531). This decision was before the Gill case, but five years after the Solomons case. It makes no reference to the latter, but expressly follows *Hapgood* v. *Hewitt*. A license to the defendant was the only thing involved, but Judge Lurton evidently did not know of the alleged exception, because, although the employee testified that he was employed for the express purpose of devising a particular new machine, which he did devise and patent, Judge Lurton says (68 Fed., 502; 15 C. C. A., 533) that there was no evidence of any agreement by which the employer should have any interest in the patent. In the *Barber Case* (C. C. A., 6; 129 Fed., 370; 64 C. C. A., 40; 5 L. R. A. (N. S.), 1154) there is some implied approval of the proposition that there must be a definite agreement for patents to pass before they will do so, but the case is distinguishable from the present one because it goes off on the question of a license and its scope.

We do not find anything else helpful. The opinion in *American Co.* v. *Wilson* (198 Mass., 182, 202; 84 N. E., 133; 126 Am. St. Rep., 409) discusses the subject, and applies the rule of license, and casually suggests an exception when the contract is expressly one to use inventive faculties, citing the Solomons and the Gill cases, but it goes no further.

We conclude that the supposed exception cannot be accepted as an existing rule, and that an invention does not belong to the employer merely by virtue of an employment contract, as well when that employment is to devise or improve a specific thing, as when the employment is to devise improvements generally in the line of the employer's business. The contract of August, 1915, does not therefore, of its own force, convey to the employer the equitable title to the patentable inventions which Peck might make in the course of its execution, but gives to the employer a license only.

For reaching this conclusion there is another reason which has not been discussed in the case, but which would seem of itself to be sufficient. Peck's invention, as made and patented, extends beyond the field of the contract and of the employer's business. The making of automobile springs is only one of the purposes for which the patented machine may be used. Many of its claims reach its use merely as a forming or die machine in any factory for any purpose. We suppose that the exception which we have discussed, if it were valid, would not reach the case where the invention went beyond the scope of the employment, and was plainly not within the contemplation of either party, and even if it could be thought that in such case the employer obtained the exclusive right to the invention and the patent so far as they applied to his use in his business, he would still have only a license. (*Pope* v. *Gormully*, 144 U. S., 248; 12 Sup. Ct., 641; 36 L. Ed., 423; 59 O. G., 471.)

Outside of the face of the contract, there is no evidence as to the intent of the parties at the time it was made, and we find no evidence of subsequent conduct by the parties sufficient to indicate Peck's conscious purpose that the title should pass or to establish an estoppel against him to that extent. He had no such participation and interest in the business as were thought in the Healy and Dowse cases to support the inference of an actual intent to contribute inventions and patents. As to his participation for a time in the evident anticipation of the employer that the patent application should be made at its expense and for its benefit, this is said by him to have occurred after the work was nearly done, and while he thought there was an understanding for giving him further valuable considerations and in reliance thereon, and he says that, as soon as this reliance turned out to be unfounded, he withdrew from the plan for participation, and the employer never paid any expense or changed its conduct in the least on that account. This testimony is undisputed; and the case against him in this aspect is not so strong as that which in the Hansen case was held insufficient.

[4] What was the extent of the employer's license? In this respect the questions are different as to the first six machines and the last four. There are two reasons why we think the title to the first six machines is in the defendant, wholly free from the monopoly of the patent. The first is that the case as to these machines is fully within the spirit and fairly within the letter of Revised Statutes section 4899 (Comp. St. sec. 9445), which says:

> Every person who purchases of the inventor, or discoverer, or with his knowledge and consent constructs any newly invented or discovered machine, or other patentable article, prior to the application by the inventor or discoverer for a patent, or who sells or uses one so constructed, shall have the right to use, and vend to others to be used, the specific thing so made or purchased, without liability therefor.

It appears that in August, 1915, the parties entered upon this enterprise of developing new machinery. Mr. Peck, at Peoria, had actual charge of the construction work; the labor and materials apparently being paid for by the Pontiac Company. The record does not show the exact progress of the work, but the first complete machine was shipped from Peoria, about March 26, 1917, and the other five very shortly thereafter. The patent was applied for on March 12th of that year. Without doubt, at this time some of the machines were nearly finished, and all of them were well along in construction. Taken as a group, they had been in the process of construction certainly for many months before March. We are quite satisfied that such a situation as this is within the limits contemplated by section 4899, and it follows that the Pontiac Company had a right to sell these six machines to the defendant free from the patent. (*Wade* v. *Metcalf*, 129 U. S., 202; 9 Sup. Ct., 271; 32 L. Ed., 661.)

[5] The other reason is that, even if section 4899 were not applicable, the situation as to these particular machines is essentially the same as if they had been made by Peck and by him sold to the Pontiac Company. Where the thing patented is the product of the employer's business, or a process used by him, the license is not generally assignable, even to the employer's successor in business (*Bowers* v. *Lake Superior Co.*, C. C. A., 8; 149 Fed., 983, 986; 79 C. C. A., 493); but we find no case extending that rule of nonassignability, so as to reach merely the use of a patented machine which belonged to the employing company, and which was constructed for it by the patentee, with its material and its labor, and with satisfactory compensation to him for his supervision. We think the analogy of the decided cases permits the employer in such case to sell such machine with the free right to use it. In the language of the Solomons case, "the instrument" or "the means" becomes the "property of the employer." See, also, *Mitchell* v. *Hawley* (16 Wall., 83 U. S., 544, 547; 21 L. Ed., 322); *Boston* v. *Allen* (C. C. A., 1; 91 Fed., 248; 33 C. C. A., 485).

[6] As to the last four machines, it must be held that such a license to construct the patented invention, for use in the business of the employer, as the Pontiac Company had, was not assignable, and could not have passed to the defendant by the ordinary purchase and sale of a business. Since the burden was on the defendant to establish a valid license, a decree for the plaintiff as to these four machines would be technically justified upon this record; but we are not satisfied to have final disposition made in that way. To apply our view of the law to the proofs, as they were shaped and allowed to remain in dependence upon the somewhat different view of the court below, might result in distinct injustice. Defendant may be advised that it can abandon any further claim of license as to these four machines and contest the patent on its merits—a matter about which we ex-

press no opinion—and otherwise it is clearly open to defendant to make what effort it can to establish a license on the theory of estoppel by reason of Peck's knowledge of the building of these four machines without objection, if such knowledge and conduct occurred, or on the theory of a practical consolidation of the Pontiac Company with the present defendant, if their relationship has that character. (*Lane* v. *Locke*, 150 U. S., 193; 14 Sup. Ct., 78; 37 L. Ed., 1049.)

The decree below is reversed, and the record remanded for further proceedings in accordance with this opinion.

PATENT SUITS.

[Notices under section 4921, Revised Statutes, as amended February 18, 1922.]

829,498, C. Wright, Hoods for automobiles, suit filed Aug. 22, 1923, D. C., E. D. Mich. (S. D.), Doc. 602, *C. Wright* v. *Dodge Bros.*

942,700, L. H. Baekeland, Condensation products of phenol and formaldehyde and method of making same, suit filed Aug. 23, 1923, D. C., S. D. N. Y., Doc. E 27/94, *Bakelite Co.* v. *P. Hagenow.*

958,478, W. E. Davey, Process of reinforcing trees, suit filed Aug. 16, 1923, D. C., M. D. Pa., Doc. 392, *The Davey Tree Expert Co.* v. *F. B. Wheeler.* Consent decree entered and permanent injunction issued against the defendant and others, Aug. 25, 1923. Same, suit filed Aug. 22, 1923, D. C., M. D. Pa., Doc. 393, *The Davey Tree Expert Co.* v. *H. Edwards.*

1,004,505, A. V. L. Verneuil, Synthetic sapphires, final decree adjudging infringement and granting injunction, filed Aug. 22, 1923, D. C., S. D. N. Y., *L. Heller & Son, Inc.*, v. *L. Jacobskind.*

1,113,149, E. S. Armstrong, Wireless receiving system, suit filed Aug. 8, 1923, D. C., E. D. Wis., Doc. C. D. 1348, *Westinghouse Electric & Mfg. Co.* v. *Klitzen Radio Mfg. Co.*

1,183,875, R. V. L. Hartley, Electrical circuits; 1,334,118, C. W. Rice, System for amplification of small currents, suit filed Aug. 23, 1923, D. C., S. D. N. Y., Doc. E 27/86, *Radio Corp. of America et al.* v. *F. A. D. Andrea, Inc., et al.*

1,196,691, B. F. Hopkins, Air brush for distributing liquids, suit filed Aug. 11, 1923, D. C., N. D. Calif., Doc. E 1090, *Alliance Securities Co.* v. *Rix Compressed Air & Drill Co.*

1,334,118. (See 1,183,875.)

1,388,200. (See 1,428,184.)

1,416,060. (See 1,428,184.)

1,428,184, W. G. Price, Apparatus for handling and delivering boxes or packages from one elevation to another; 1,388,200, 1,416,060, same, Box or package handling apparatus, suit filed Aug. 1, 1923, D. C., E. D. Wash. (S. D.), Doc. 1142, *W. G. Price & Fruit Appliance Co.* v. *Wells & Wade.*

1,436,024, F. T. Falco, Semitrailer and means for connecting it with a truck, suit filed Aug. 20, 1923, D. C., S. D. N. Y., Doc. E 27/85, *J. H. Emery* v. *Gluckin & Schneiderman* (*W. Gluckin & Co.*).

1,447,030, J. E. Langsdorf, Neckties, suit filed Aug. 21, 1923, D. C., S. D. N. Y., Doc. E 27/87, *Franc-Strohmenger & Cowan, Inc.*, v. *C. Stern & Mayer, Inc.*

1,459,662, C. W. Manzel, Lubricating system, suit filed Apr. 3, 1923, D. C., N. D. Ohio (E. D.), Doc. 859, *The Bassick Mfg. Co.* v. *The Allyne-Zerk Co.*

Re. 15,427, H. M. Boe, Grease or oil dispensing apparatus, suit filed Aug. 20, 1923, D. C., N. D. Ohio (E. D.), Doc. 959, *H. M. Boe et al.* v. *The Loomis-Sielaff Co.*

Re. 15,641, J. H. Emery, Artificial fruit and method of producing same, suit filed Aug. 2, 1923, D. C., N. D. Ohio (E. D.), Doc. 952, *J. H. Emery (Emery Art Fruit Co.)* v. *The G. H. Bowman Co.*

T. M. 133,046, Sterling Mfg. Co., House or apron dresses, suit filed Aug. 6, 1923, D. C., W. D. Wis., Doc. F. E. 44, *The Sterling Co.* v. *Greep Clausins Co., Inc.*

T. M. 146,974, T. M. 146,977, T. M. 146,978, T. M. 146,981, T. M. 147,206, F. J. de S. Coty, Perfumes, toilet waters, face powders, sachet powders, etc., suit filed Aug. 14, 1923, D. C., E. D. La., Doc. 17,322, *Coty, Inc.*, v. *D. H. Holmes Co., Ltd.*

T. M. 146,977. (See T. M. 146,974.)

T. M. 146,978. (See T. M. 146,974.)

T. M. 146,981. (See T. M. 146,974.)

T. M. 147,206. (See T. M. 146,974.)

Des. 45,184, G. E. Curtiss, Electrically-heated coffee machines, tea machines, and hot-water heaters, suit filed July 16, 1923, D. C., S. D. N. Y., Doc. E 27/25, *Landers, Frary & Clark* v. *Edison Electric Appliance Co., Inc.*

TRADE-MARKS

OFFICIAL GAZETTE, SEPTEMBER 25, 1923.

[VOL. 314. No. 4.]

The following trade-marks are published in compliance with section 6 of the act of February 20, 1905, as amended March 2, 1907. Notice of opposition must be filed within thirty days of this publication.

Marks applied for "under the ten-year proviso" are registrable under the provision in clause (b) of section 5 of said act as amended February 18, 1911.

As provided by section 14 of said act, a fee of ten dollars must accompany each notice of opposition.

Ser. No. 117,980. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) F. L. JONES CO., Bangor, Me. Filed Apr. 29, 1919.

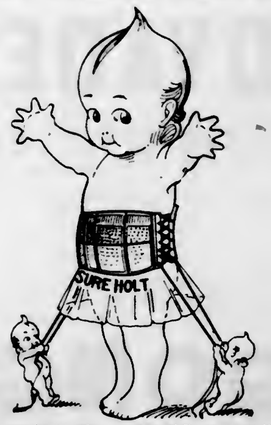


No claim made to the words "Jones" and "Pilot" except in association with the mark shown in the drawing.

Particular description of goods.—Crackers and Biscuit.

Claims use since Feb. 1, 1919.

Ser. No. 138,091. (CLASS 39. CLOTHING.) JOSEPHINE L. HOLT, Portland, Oreg. Filed Oct. 8, 1920.



No claim made to the phrase "Sure Holt" nor to the representation of the goods apart from the mark shown in the drawing.

Particular description of goods.—Corsets.

Claims use since June 9, 1920.

Ser. No. 141,577. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) JOHNSON EDUCATOR FOOD COMPANY, Cambridge, Mass. Filed Dec. 28, 1920.

CHOCOLAND

The word "Chocoland."

Particular description of goods.—Cookies, Crackers, Cakes, and Biscuits.

Claims use since Oct. 28, 1920.

Ser. No. 141,580. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) JOHNSON EDUCATOR FOOD COMPANY, Cambridge, Mass. Filed Dec. 28, 1920.

RAISINLAND

Trade-mark "Raisinland."

Particular description of goods.—Cookies, Crackers, Cakes, and Biscuits.

Claims use since Oct. 28, 1920.

Ser. No. 141,583. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) JOHNSON EDUCATOR FOOD COMPANY, Cambridge, Mass. Filed Dec. 28, 1920.

'LASSESLAND

Trade-mark "Lassesland."

Particular description of goods.—Cookies, Crackers, Cakes, and Biscuits.

Claims use since Oct. 28, 1920.

Ser. No. 141,586. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) JOHNSON EDUCATOR FOOD COMPANY, Cambridge, Mass. Filed Dec. 28, 1920.

SUGARLAND

Trade-mark "Sugarland."

Particular description of goods.—Cookies, Crackers, Cakes, and Biscuits.

Claims use since Oct. 28, 1920.

Ser. No. 141,587. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) JOHNSON EDUCATOR FOOD COMPANY, Cambridge, Mass. Filed Dec. 28, 1920.

GINGERLAND

Trade-mark "Gingerland."
Particular description of goods.—Cookies, Crackers, Cakes, and Biscuits.
Claims use since Oct. 28, 1920.

Ser. No. 142,369. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) WALTON MILLING COMPANY, Lansing, Mich. Filed Jan. 17, 1921.

WALTON'S

WHEAT HEARTS

Particular description of goods.—Breakfast Cereals.
Claims use since July 1, 1914.

Ser. No. 146,063. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) FRANK C. BALBO, Oakland, Calif. Filed Apr. 12, 1921.

JELLY
NUGGETS

The word "Jelly" is disclaimed apart from the mark shown in the drawing.
Particular description of goods.—Cakes—Namely, Doughnuts Filled with Jelly.
Claims use since Apr. 6, 1921.

Ser. No. 152,246. (CLASS 8. SMOKERS' ARTICLES, NOT INCLUDING TOBACCO PRODUCTS.) GORHAM MANUFACTURING COMPANY, Providence, R. I. Filed Aug. 27, 1921. Under section 9 of the act of Mar. 19, 1920.

GORHAM

Trade-mark consists of the word "Gorham."
Particular description of goods.—Pipes, Cigar and Cigarette Holders; Pipe, Cigar, and Cigarette Cases; Boxes, Jars, and Humidors for Holding Cigars, Cigarettes, and Smoking Tobacco.
Claims use since 1904.

Ser. No. 156,579. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) INDIAN VILLAGE BAKERY, Detroit, Mich. Filed Dec. 12, 1921.

INDIAN VILLAGE



The pictures of the individuals shown in the drawing represent fanciful persons.
Particular description of goods.—Bread.
Claims use since July 21, 1921.

Ser. No. 157,759. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) COLBY STEEL AND ENGINEERING CO., Seattle, Wash. Filed Jan. 11, 1922.

MODERN-METHOD

Particular description of goods.—Cranes.
Claims use since Nov. 20, 1920.

Ser. No. 157,846. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) NAAMLOOZE VENNOOTSCHAP INDUSTRIEELE MAATSCHAPPIJ v/h NOURY & VAN DER LANDE, Deventer, Netherlands. Filed Jan. 12, 1922.

NOVADEL

Particular description of goods.—Flour of All Kinds—Namely, Wheat Flour, Corn Flour, Rice Flour, Rye Flour, Prepared Flour, Self-Rising Flour, Cake Flour, Pancake Flour, Buckwheat Flour; Also Meal, Farina, Hominy, Hominy Grits, and Middlings.
Claims use since May 21, 1921.

Ser. No. 157,898. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) OXO, LIMITED, London, England. Filed Jan. 13, 1922.

GONG

The trade-mark consists of the word "Gong."
Particular description of goods.—Soups, and Preparations for Making Soups.
Claims use since on or about Dec. 23, 1909.

Ser. No. 158,090. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) NATURE'S OWN FOOD CO., Madison, Wis. Filed Jan. 18, 1922.

NATURE'S OWN

Particular description of goods.—Wheat Flour, Rye Flour, Corn Meal, and Bread.
Claims use since July 1, 1921.

Ser. No. 158,113. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) MARK M. DIFFENBACHER, Long Beach, Calif. Filed Jan. 19, 1922.



The words "Its the Flavor" and "Spearmint Candy" are hereby disclaimed except in combination with the mark shown.
Particular description of goods.—Candies.
Claims use since Aug. 30, 1920.

Ser. No. 160,220. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) J. H. WILLIAMS & CO., Brooklyn, N. Y. Filed Mar. 4, 1922.

FAWJAW

Particular description of goods.—Clamps, Lathe Dogs, Vises, Wrenches, and Chain Pipe Wrenches.
Claims use since Jan. 13, 1922.

Ser. No. 160,385. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) BUNTE BROTHERS, Chicago, Ill. Filed Mar. 9, 1922.

EST SUPREME

Particular description of goods.—Confectionery—Namely, Chocolates.
Claims use since 1910.

Ser. No. 160,409. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) WILLIAM ADAM GENANT, Syracuse, N. Y. Filed Mar. 9, 1922.

Okade

Particular description of goods.—Canned Shrimp.
Claims use since Nov. 1, 1921.

Ser. No. 162,137. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) RECKITTS (U. S. A.), LTD., New York, N. Y., and New Brunswick, N. J. Filed Apr. 11, 1922.



No claim made to the exclusive use of the words "Bag Blue" apart from the mark shown in the drawing.
Particular description of goods.—Laundry Blue.
Claims use since 1920.

Ser. No. 162,524. (CLASS 14. METALS AND METAL CASTINGS AND FORGINGS.) "WELDRITE" COMPANY, INCORPORATED, Long Island City, N. Y. Filed Apr. 18, 1922.

"WELDRITE"

Particular description of goods.—Welding Wire and Welding Rods.
Claims use since June, 1914.

Ser. No. 162,707. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF). CARL WÜSTHOF, STAHLWARENFABRIK, Solingen, Germany. Filed Apr. 20, 1922.

GLADIATOR

Particular description of goods.—Table Knives, Forks, Spoons of Base Metal, Butchers' Knives, Bread Knives, Vegetable Knives, Pocketknives, Razors, and Scissors.
Claims use since July 7, 1906.

Ser. No. 162,790. (CLASS 4. ABRASIVE, DETERGENT, AND POLISHING MATERIALS.) THE J. B. WILLIAMS COMPANY, Glastonbury, Conn. Filed Apr. 22, 1922.

Mt. Horeb

Particular description of goods.—Soap.
Claims use since prior to June 13, 1892.

Ser. No. 162,846. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) THE NATIONAL PHYSICIANS SUPPLY COMPANY, doing business as Ce-Wede Laboratory, Cincinnati, Ohio. Filed Apr. 24, 1922.

PRONOUNCED SEA WEED.
Ce-Wede OINTMENT

The word "Ointment" appearing on the drawing is disclaimed apart from the mark shown.

Particular description of goods.—Ointment for Lumbago, Gout, Goiter, in Certain Forms, Unbroken Chilblains, Eczema, Ulcers, Old Sores, Neuralgia, Sprains, Stiffness, Pleurisy, Rheumatism, Chest Colds, Enlarged Glands, and Swellings.

Claims use since Mar. 14, 1922.

Ser. No. 163,337. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) KAUPKE COFFEE COMPANY, Cedar Rapids, Iowa. Filed May 4, 1922.



Particular description of goods.—Spices, Coffee, Food Flavorings, and Flavoring Extracts for Food.

Claims use since August, 1920, on spices; since October, 1920, on coffee; since August, 1921, on flood flavorings and flavoring extracts for food.

Ser. No. 163,493. (CLASS 26. MEASURING AND SCIENTIFIC APPLIANCES.) AC SPARK PLUG COMPANY, Flint, Mich. Filed May 8, 1922.

AC

Particular description of goods.—Speedometers.

Claims use since April, 1919.

Ser. No. 163,689. (CLASS 13. HARDWARE AND PLUMBING AND STEAM-FITTING SUPPLIES.) MANNESMANNRÖHREN-WERKE, Dusseldorf, Germany. Filed May 11, 1922.



Particular description of goods.—Tubes, Tube Joints, Flexible Metal Tubing; Copper, Brass, and Manganese-Bronze Pipes; Corrugated Metal Culvert Pipe, Expansion-Joint Piping, Warm Pipes, Water Piping, Fire Hydrants, Portable Showers, Stationary Showers, Bathtubs, Closets, Urinals, Lavatories, Sinks, Spittoons, Flush Tanks, Fountains; Bathroom Fixtures—Namely, Clothes Hooks, Towel Racks, Tumbler, Soap, and Sponge Holders, All Made of Metal; Cast-Iron, Forged, and Drawn-Steel Piping; Gas Piping, and Nipples, Unions, and Valves Therefor; Conduits and Piping for Steam, Refrigerating, Water, Air, Naphtha, Petroleum, and Hydraulic Purposes; Exhaust Pipes for Engines, Flanged Piping, Socket Pipes, Metallic Pipe Linings, Steel Pipe Flanges and Fittings, Shower-Bath Fixtures, Lawn Sprinklers, Hose Nozzles, Metal Curtain and Portière Rods, Rails and Posts for Stairs and Inclosures, Fences; Stanchions for Cattle, Etc.; Hand and Mechanical Bells of All Kinds, Grommets, Eyelets; Metallic and Enameled Kitchen Utensils—Namely, Table Tops, Pots, Dishes, Basins, Trays, Plates, Drying Racks, Coffeepots, Cookers, Boilers, Waffle Irons, Colanders, Ladles, Pot and Pan Covers, Percolators, Cups, Bowls, Pans, Saucers, Kettles; Hooks, Nuts, Bolts, Turnbuckles, Horseshoe Nails.

Claims use since November, 1912.

Ser. No. 163,834. (CLASS 26. MEASURING AND SCIENTIFIC APPLIANCES.) TAYLOR INSTRUMENT COMPANIES, Rochester, N. Y. Filed May 13, 1922.

HYGRO-AUTOMETER

Particular description of goods.—Hygrometers.

Claims use since January, 1915.

Ser. No. 163,836. (CLASS 26. MEASURING AND SCIENTIFIC APPLIANCES.) TAYLOR INSTRUMENT COMPANIES, Rochester, N. Y. Filed May 13, 1922.

PERMACOLOR

Particular description of goods.—Thermometers.

Claims use since Jan. 17, 1922.

Ser. No. 163,837. (CLASS 26. MEASURING AND SCIETIFIC APPLIANCES.) TAYLOR INSTRUMENT COMPANIES, Rochester, N. Y. Filed May 13, 1922.

"DUBL-DUTY"

Particular description of goods.—Thermostatic Temperature-Regulating Apparatus.

Claims use since Jan. 6, 1920.

Ser. No. 163,838. (CLASS 26. MEASURING AND SCIENTIFIC APPLIANCES.) TAYLOR INSTRUMENT COMPANIES, Rochester, N. Y. Filed May 13, 1922.

"SINGL-DUTY"

Particular description of goods.—Thermostatic Temperature-Regulating Apparatus.

Claims use since Jan. 5, 1920.

Ser. No. 163,839. (CLASS 26. MEASURING AND SCIENTIFIC APPLIANCES.) TAYLOR INSTRUMENT COMPANIES, Rochester, N. Y. Filed May 13, 1922.

THERMO-TYME

Particular description of goods.—Thermostatic Temperature-Regulating Apparatus.

Claims use since February, 1920.

Ser. No. 163,969. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) CAPITAL CANDY & CRACKER COMPANY, Sacramento, Calif. Filed May 17, 1922.



Particular description of goods.—Candy.

Claims use since 1885.

Ser. No. 164,189. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) PACIFIC COAST BISCUIT COMPANY, Seattle, Wash. Filed May 20, 1922.

OLD HICK BAR

No claim made to the word "Bar" apart from the other features of the mark shown in the drawing.

Particular description of goods.—Candy.

Claims use since 1915.

Ser. No. 164,253. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) THE MALTANA COMPANY, Welland, Ontario, Canada. Filed May 22, 1922.

MALTANA

Particular description of goods.—Wheat Flour, Pancake Flour, Flour for Making Pastries and Muffins, and Bread, Cakes, and Pastries.

Claims use since Aug. 1, 1921.

Ser. No. 164,271. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) SEE-MOON & COMPANY, Chicago, Ill. Filed May 22, 1922.

BONDED
BRAND

The word "Brand" does not form a part of the registration sought apart from the mark shown in the drawing.

Particular description of goods.—Canned Vegetables—Namely, Asparagus, Tomatoes, Sweet Potatoes, Pork and Beans, Baked Beans, Red Kidney Beans, Lima Beans, String Beans, Sifted Peas, Early June Peas, Sweet Corn, Small Beets, Hominy, Rhubarb, Sauerkraut, Spinach, Pumpkin, Tomato Purée, Mushrooms, Wax Beans, Succotash, Apple Sauce, Cepes, Pimientoes; Preserved Vegetables; Canned Fruits—Namely, Sliced Peaches, Yellow Cling Peaches, Hawaiian Pineapple, Grated Hawaiian Pineapple, Egg Plums, Green Gage Plums, Bartlett Pears, Royal Ann Cherries, Red Pitted Cherries, Apricots, Blueberries, Loganberries, Gooseberries, Red Raspberries, Black Raspberries, Strawberries, Apples, and Olives; Preserved Fruits—Namely, Apple, Peach, Strawberry, Quince, Blackberry, Pineapple, Raspberry, Damson Plum, Blueberry, Apricots, and Cherry; Bottled Fruit, Fruit Butters, Dried Fruits, Crushed Fruits; Fruit Jellies—Namely, Apple, Currant, and Grape; Fruit Marmalades; Molasses—Namely, Orange, Black Strap, and New Orleans; Mustard, Tomato Catchup, Chili Sauce, Vinegar, Cottonseed Salad Oil, Salad Dressing, Chop-Suey Sauce; Table Sirups, Gelatin Jelly Powder, Relishes, Chowchow, Powdered Sugar; Cereals—Namely, Tapioca, Bran, Oatmeal, Rolled Oats, Rice; Graham Flour, Entire-Wheat Flour, Rye Flour, Buckwheat Flour, Waffle Flour, Pancake Flour, Prepared Cake Flour, Macaroni, Spaghetti, Vermicelli, Noodles, Spices; Allspice, Horse Radish, Oyster-Cocktail Sauce, Mayonnaise Dressing, Jelly Powders, Fish.

Claims use since Jan. 30, 1922.

Ser. No. 164,441. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) M. A. LONDON, doing business as National Remedies Company, San Francisco, Calif. Filed May 24, 1922.

TRADE MARK
REG. U.S. PATENT OFFICE
Dermanol

The words "Trade Mark Reg. U. S. Patent Office" appearing on the drawing are disclaimed apart from the mark as shown.

Particular description of goods.—Lotions and Other Pharmaceutical Preparations for Use in Cases of Insect Bites, Poison Oak, Skin Eruptions, and the Like.

Claims use since May 8, 1922.

Ser. No. 164,916. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) IMPERIAL DISTRIBUTING CO., Los Angeles, Calif. Filed June 3, 1922.

LASSIE

Particular description of goods.—Cantaloupes in Their Natural State, Fresh Citrous Fruits, Fresh Deciduous Fruits, Fresh Grapes, and Fresh Vegetables.

Claims use since Mar. 1, 1922.

Ser. No. 165,068. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) DUFFY-MOTT COMPANY, INC., New York, N. Y. Filed June 6, 1922.

HOLLEY

Trade-mark consists of the word "Holley."

Particular description of goods.—Vinegars.

Claims use since about 1883.

Ser. No. 165,487. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) DAARNHOUWER & CO., INC., New York, N. Y. Filed June 14, 1922.

DACO

Particular description of goods.—Cocoa Beans, Cocoa Butter, Coffees, Spices, and Desiccated Coconut.

Claims use since 1908.

Ser. No. 165,888. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) RÖHM & HAAS AKTIENGESELLSCHAFT, Darmstadt, Germany. Filed June 22, 1922.

„Fereon"

Particular description of goods.—Disinfectants, Dyes, Emulsion Gelatin for Photographers' Purposes, Mineral and Bathing Salts, Mordants, Baking Powder, Starch, and Washing Blue, and Tanning Oils and Fats.

Claims use since Jan. 31, 1916.

Ser. No. 166,092. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) JOSEPH W. PARKS, doing business as Wopsy Poultry Yards, Altoona, Pa. Filed June 26, 1922.



No claim is made to the exclusive use of the representation of a hen and the basket of eggs and the words "Winter Laying 200 Egg Strain Barred Plymouth Rocks" apart from the mark as shown.

Particular description of goods.—Live Poultry and Eggs.

Claims use since Dec. 22, 1921.

Ser. No. 166,331. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) UNITED STATES PRODUCTS CORPORATION, San Francisco, Calif. Filed June 30, 1922.

COUNTESS

Particular description of goods.—Canned Fruits and Dried Fruits.

Claims use since Apr. 15, 1922.

Ser. No. 166,595. (CLASS 38. PRINTS AND PUBLICATIONS.) OCTAVIA WALTON GOODBAR, doing business as Octavia Walton, Boston, Mass. Filed July 8, 1922.



The portrait shown on the drawing is that of applicant.

Particular description of goods.—Greeting Cards, Greeting Sheets, and Greeting Folders.

Claims use since October, 1916.

Ser. No. 167,098. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) PETERS BROTHERS RUBBER CO., INC., New York, N. Y. Filed July 19, 1922.

PEBRONY

Particular description of goods.—Products—Namely, Backing or Reenforcing Cotton Cloth and White Shoe Cloth, Both in the Piece.

Claims use since June 1, 1921.

Ser. No. 167,828. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) REID, MURDOCH & CO., Chicago, Ill. Filed Aug. 4, 1922.

SHASTA

Particular description of goods.—Canned Fish.

Claims use since 1902.

Ser. No. 167,927. (CLASS 4. ABRASIVE, DETERGENT, AND POLISHING MATERIALS.) THE THOMSEN COMPANY, Waco, Tex. Filed Aug. 7, 1922.



Particular description of goods.—Shoe Dressings.

Claims use since May 15, 1920.

Ser. No. 168,565. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) JAMES VAN DYK CO., New York, N. Y. Filed Aug. 21, 1922.

Ambassador

Particular description of goods.—Food Products—Namely, Coffee, Food-Flavoring Extracts, Spices, Cocoa, Peanut Butter, Olive Oil, Evaporated and Condensed Milk, Mayonnaise Dressing, and Maple Syrup.

Claims use since 1904.

Ser. No. 168,566. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) JAMES VAN DYK CO., New York, N. Y. Filed Aug. 21, 1922.

SPRING VALLEY

Particular description of goods.—Dairy Products—Namely, Butter and Eggs.

Claims use since January, 1912.

Ser. No. 168,726. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) RAFFAELE MARTORELLI, New York, N. Y. Filed Aug. 26, 1922.

Enrico
CARUSO

Particular description of goods.—Fish Preserved in Oil, Canned Vegetables, Rice, Coffee, Tea.

Claims use since July, 1921.

Ser. No. 168,738. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) FREDERICK M. SWITZER, doing business as Switzer's Yellow Jacket Company, St. Louis, Mo. Filed Aug. 26, 1922.

Chocolate SOLDIER

Particular description of goods.—Candies.
Claims use since 1910.

Ser. No. 168,749. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) BARRINGTON PACKING CO., Barrington, Ill. Filed Aug. 28, 1922.

BARRINGTON HILLS' JUNIOR BPCo SQUARE

Particular description of goods.—Bacon.
Claims use since May 1, 1922.

Ser. No. 169,141. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) JOSEPH PETROCELLI & CO., INC., New York, N. Y. Filed Sept. 7, 1922.



The picture is merely fanciful.
Particular description of goods.—Olive Oil.
Claims use since July 25, 1922.

Ser. No. 169,460. (CLASS 40. FANCY GOODS, FURNISHINGS, AND NOTIONS.) UNITED TRIMMING CO., New York, N. Y. Filed Sept. 14, 1922.

UNTRICO BRAND UNITED TRIMMING

No claim is made to the word "Brand" apart from the mark shown on the drawing.
Particular description of goods.—Fringes, Braids, Tassels, and Cords.
Claims use since January, 1910.

Ser. No. 170,081. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) PAUL PROT & CIE., doing business as Parfumerie Lubin, Paris, France. Filed Sept. 29, 1922.

MAGDA

Particular description of goods.—Perfumes and Toilet Waters.
Claims use since July, 1921.

Ser. No. 170,215. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) THE QUAKER OATS COMPANY, Chicago, Ill. Filed Oct. 2, 1922. Under ten-year proviso.

PETTIJOHN'S

Particular description of goods.—Rolled Wheat and a Mixture of Wheat and Bran Flour.
Claims use since Oct. 28, 1890.

Ser. No. 170,653. (CLASS 38. PRINTS AND PUBLICATIONS.) ALFRED A. KNOPF, INC., New York, N. Y. Filed Oct. 12, 1922.

BORZOI BOOKS

No claim is made to the word "Books" apart from the mark shown in the drawing.
Particular description of goods.—Completely-Printed Books.
Claims use since September, 1915.

Ser. No. 170,959. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) FRANK K. UNDERWOOD, doing business as Underwood Candy Co., Oskaloosa, Iowa. Filed Oct. 19, 1922.

HAND GRENADE

Particular description of goods.—Candy.
Claims use since February, 1922.

Ser. No. 171,034. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) NORTHERN JOBBING COMPANY, Chicago, Ill. Filed Oct. 21, 1922.

N.J.C

N.J.C.

Particular description of goods.—Wheat Flour; Self-Rising Buckwheat Composed of Buckwheat, Corn, and Wheat Flour; Pancake Flour, Oleomargarine, Pop Corn, Barley, Tapioca, Raisins, Tea, Evaporated Milk, Honey, Chili Sauce, Mayonnaise Dressing, Cornstarch, Canned Fruits, Horse-Radish, Salad Dressing, Jelly, Olive Oil, Pickles, and Wheat Cereal—Namely, a Breakfast Cereal.
Claims use since Jan. 1, 1915.

Ser. No. 171,107. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) SNOW & PALMER CO., Bloomington, Ill. Filed Oct. 23, 1922.

C AND D "Choc-o-Lac" TRADE MARK

No claim made to the words "Trade-Mark."
Particular description of goods.—Food Mixture of Milk, Partially Skimmed or Whole, Chocolate or Cocoa, Sugar, and Flavoring Extracts.
Claims use since Aug. 31, 1922.

Ser. No. 171,144. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) UNIVERSAL MOTOR COMPANY, Oshkosh, Wis. Filed Oct. 24, 1922.

Universal Unimote

Particular description of goods.—Internal-Combustion Engines for Marine or Stationary Use or for Power Purposes in Any Combination, and Pumping Outfits.
Claims use since Dec. 23, 1914.

Ser. No. 171,316. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) GRAYLAND CRANBERRY GROWERS, Grayland, Wash. Filed Oct. 28, 1922.

MIST KISSED

Particular description of goods.—Fresh Cranberries.
Claims use since Sept. 28, 1922.

Ser. No. 172,461. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) C. BAHNSEN & CO., INC., New York, N. Y. Filed Nov. 24, 1922.

Julietta

Particular description of goods.—Bolivia Coatings in the Piece.
Claims use since May 1, 1922.

Ser. No. 172,462. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) C. BAHNSEN & CO., INC., New York, N. Y. Filed Nov. 24, 1922.

Lucette

Particular description of goods.—Bolivia Coatings in the Piece.
Claims use since May 1, 1922.

Ser. No. 172,588. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) DOUBRAVA & MORRIS, doing business as Sun Sipt Apiaries, Los Angeles, Calif. Filed Nov. 27, 1922.

HUNIJEL

Particular description of goods.—Jellies.
Claims use since Oct. 15, 1922.

Ser. No. 172,623. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) JAMES VAN DYK CO., New York, N. Y. Filed Nov. 27, 1922.



Particular description of goods.—Dairy Products and Food Products—Namely, Butter, Eggs, Lard, Peanut Butter, Coffee; Coffee, Cereal, and Chicory Combined; Tea, Cocoa; Spices, Including Pepper, Mustard, Celery Seed and Salt, and Paprika; Vanilla, Almond, Orange and Lemon Food-Flavoring Extracts; Olives, Olive Oil, Mayonnaise, Maple Sirup, Evaporated and Condensed Milk.

Claims use since 1760 for mustard; since 1869 for spices and coffee; since 1881 for tea; since 1885 for lard, butter, and eggs; since 1902 for cocoa, vanilla, almond, orange, and lemon food-flavoring extracts; since May, 1916, for olives and olive oil; since 1919 for maple sirup and peanut butter; since 1921 for evaporated and condensed milk; since 1908 for coffee, cereal, and chicory combined; and since June, 1922, for mayonnaise.

Ser. No. 173,085. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) JOLIET FLOUR MILLS COMPANY, Joliet, Mont. Filed Dec. 8, 1922.

DAKOTA



FANCY

The picture in the drawing is fanciful and not that of any living person." No claim is made to the exclusive use of the word "Fancy" apart from the mark shown.

Particular description of goods.—Wheat Flour.

Claims use since Sept. 13, 1900.

Ser. No. 173,104. (CLASS 39. CLOTHING.) NOTASEME HOSIERY CO., Philadelphia, Pa. Filed Dec. 8, 1922.

Romance

Particular description of goods.—Hosiery.

Claims use since Nov. 2, 1922.

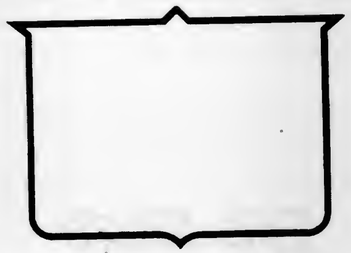
Ser. No. 173,506. (CLASS 38. PRINTS AND PUBLICATIONS.) LEVEY PRINTING COMPANY, Indianapolis, Ind. Filed Dec. 18, 1922.

SHIELD PRESS

Particular description of goods.—Wall Calendars, Almanacs, Printed Books for Bank Libraries, Printed Books, Booklets, Interest Calculators, Printed Holiday-Closing Signs, and Printed Periodical Magazines.

Claims use since May, 1916.

Ser. No. 173,509. (CLASS 38. PRINTS AND PUBLICATIONS.) LEVEY PRINTING COMPANY, Indianapolis, Ind. Filed Dec. 18, 1922.



Particular description of goods.—Wall Calendars, Almanacs, Printed Books for Bank Libraries, Printed Books, Booklets, Interest Calculators, Printed Holiday-Closing Signs, Printed Interest Books, Printed Lobby Signs, and Periodical Magazines.

Claims use since January, 1915.

Ser. No. 173,542. (CLASS 4. ABRASIVE, DETERGENT, AND POLISHING MATERIALS.) U. S. SANITARY SPECIALTIES CORPORATION, Chicago, Ill. Filed Dec. 18, 1922.

SOAPEZE

Particular description of goods.—Scrubbing Compound.

Claims use since Feb. 6, 1922.

Ser. No. 173,545. (CLASS 4. ABRASIVE, DETERGENT, AND POLISHING MATERIALS.) U. S. SANITARY SPECIALTIES CORPORATION, Chicago, Ill. Filed Dec. 18, 1922.

GRIMETER

Particular description of goods.—Soap.

Claims use since May 16, 1919.

Ser. No. 173,633. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) THE GILLIAM MANUFACTURING COMPANY, Canton, Ohio. Filed Dec. 21, 1922.

GILLIAM TAPERED ROLLER Bearings

No claim is made to the words "Tapered Roller Bearings" or to the representation of the bearing apart from the mark shown in the drawing.

Particular description of goods.—Roller Bearings.

Claims use since Nov. 1, 1922.

Ser. No. 173,643. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) GOLD BUCKLE ASSOCIATION, East Highlands, Calif. Filed Dec. 21, 1922.

GOLD BUCKLE

Particular description of goods.—Citrous Fruits—Namely, Oranges, Lemons, and Grapefruit in Their Natural State.

Claims use since Jan. 1, 1902.

Ser. No. 175,131. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) JOSEPH CAPLAN, doing business as Laforé Perfumery Co., New York, N. Y. Filed Jan. 26, 1923.



The portrait appearing on the drawing is fanciful.

Particular description of goods.—Lemon Cream, Brilliantine, Freckle Cream, Rouge, Bleaching Cream and Depilatory, Greaseless Cream and Fanjo or Vanishing Cream.

Claims use since Nov. 19, 1922.

Ser. No. 175,316. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) THE MILLS BROTHERS COMPANY, doing business as The American Products Company, Cincinnati, Ohio. Filed Jan. 30, 1923.

LA BARA

Particular description of goods.—Face Powder, Rouge, Sachet Powder, Talcum Powder; Beauty Bloom, Consisting of Face Powder and Cream; Perfume, Toilet Water, Hair Tonic, Vanishing Cream, Skin Lotion, and Cold Cream.

Claims use since Sept. 1, 1917.

Ser. No. 175,318. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) THE MILLS BROTHERS COMPANY, doing business as The American Products Company, Cincinnati, Ohio. Filed Jan. 30, 1923.

DREAM GIRL

Particular description of goods.—Perfume, Toilet Water, Talcum Powder, Cold Cream, Vanishing Cream, Face Powder, and Sachet Powder.

Claims use since Sept. 1, 1917.

Ser. No. 175,568. (CLASS 38. PRINTS AND PUBLICATIONS.) SAMUEL D. ROBBINS, Boston, Mass. Filed Feb. 5, 1923.

STAMMERERS

Particular description of goods.—Publication on the Correction of Stammering.

Claims use since Feb. 1, 1923.

Ser. No. 175,587. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) WILLIAM H. WIDMAIER, Omaha, Nebr. Filed Feb. 5, 1923.



Particular description of goods.—Bread.

Claims use since Feb. 2, 1923.

Ser. No. 175,753. (CLASS 46. FOODS AND INGREDIENTS OF FOOD.) ALBERS BROS. MILLING CO., Seattle, Wash. Filed Feb. 9, 1923.

PEACOCK



Particular description of goods.—Rolled Oats, Split Peas, Hominy, Hominy Grits, Farina, Oatmeal, Cracked Wheat, Rye Meal, Graham Flour, Pearl Barley, Corn Flour, Rolled Wheat, Rice Flour, Oat Flour, and Sago.
Claims use since Jan. 18, 1887.

Ser. No. 176,107. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) BARR MANUFACTURING CORPORATION, Tyrone, Pa. Filed Feb. 16, 1923.

BARREE

Particular description of goods.—Perfumes, Face Powder, Toilet Water, Cold Cream, Rouge Compacts, Talcum Powder, Face-Powder Compacts, Eyebrow Pencils, Lip Sticks, Body Powder, Nail Polish, Nail Cream, Face Lotion, Vanishing Cream, Cologne, Hair Tonic, and Brilliantine.
Claims use since Sept. 1, 1922.

Ser. No. 176,164. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) CONSUMERS BISCUIT COMPANY, New Orleans, La. Filed Feb. 17, 1923.

CONSUMERS CHERIBIM

Particular description of goods.—Candy.
Claims use since Oct. 25 1922.

Ser. No. 176,346. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) JAMESON-HEVENER COMPANY, St. Paul, Minn. Filed Feb. 20, 1923.

POULTRY A·B·C FOOD

The words "Poultry Food" is disclaimed as part of the mark to be registered.
Particular description of goods.—Poultry Food Made of Grains.
Claims use since Jan. 1, 1923.

Ser. No. 176,403. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) GER-LE LABORATORIES, Chicago, Ill. Filed Feb. 21, 1923.

ATHENA

Particular description of goods.—Toilet Articles—Namely, Cold Cream; Magic Earth, a Clay Used for Removing Impurities from the Skin; Face and Hand Lotion, and Vanishing Cream.
Claims use since Oct. 1, 1922.

Ser. No. 176,695. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) SCHOR & ROBERTS, San Francisco, Calif. Filed Feb. 27, 1923.

DINTY'S DOG

Particular description of goods.—Food Product Consisting of Corn-Beef Hash Inclosed in a Bread Container.
Claims use since Dec. 1, 1922.

Ser. No. 176,745. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) LIBERTY MACARONI MANUFACTURING CO., St. Louis, Mo. Filed Feb. 28, 1923.

ITALMA Brand



No claim is made to the word "Brand" as appearing on the drawing.
Particular description of goods.—Macaroni, Spaghetti, Noodles, Short Paste Stuff (Foods Made from Dough, Such as Macaroni, Spaghetti, and Noodles), Olive Oil, and Tomato Paste.
Claims use since Jan. 1, 1923.

Ser. No. 177,079. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) DOPTOGLOU BROS. OF NEW YORK, New York, N. Y. Filed Mar. 7, 1923.



Particular description of goods.—Cotton Piece Goods.
Claims use since Nov. 16, 1922.

Ser. No. 177,136. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) LEON MICHAEL & CO., New York, N. Y. Filed Mar. 8, 1923.

Draponge

The trade-mark consists of the word "Draponge."
Particular description of goods.—Cotton-Cloth Piece Goods.
Claims use since Mar. 1, 1923.

Ser. No. 177,152. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) UNITED PIECE DYE WORKS, Lodi, N. J. Filed Mar. 8, 1923.

PUDWI

Particular description of goods.—Dyed, Printed, and Finished Textile Fabrics; Printed Silk, Foulards, Printed Chiffon, Printed Crêpe, Printed Wool and Silk Crêpe, Cotton and Silk Poplin, Cotton and Silk Mull, Cotton and Silk Shirting, Cotton and Noil Ratine, All-Cotton Ratine, Linen, Wool and Silk Crêpe; All-Silk Crêpe, Silk Satin, Cotton and Silk Crêpe, Silk-Striped Cotton Voile, Artificial-Silk-Striped Cotton Crêpe, Artificial-Silk-Striped Cotton Shirting; Silked Striped Voile, Changeable; Wool and Cotton Voile, Cotton and Artificial-Silk Matelasse; Cotton Crêpe, Silk Filling; Cotton Crêpe, Silk Warp; Cotton Poplin, Silk Warp; Artificial-Silk-Striped Cotton Crêpe; Cotton Baronette, Artificial-Silk Warp; and Brocades.
Claims use since May, 1922.

Ser. No. 177,208. (CLASS 14. METALS AND METAL CASTINGS AND FORGINGS.) ANACONDA COPPER MINING COMPANY, New York, N. Y. Filed Mar. 10, 1923.

ANACONDA from mine to consumer

No claim is made herein to the registration of the words "From Mine to Consumer" apart from the mark shown in the drawing.
Particular description of goods.—Cast, Drawn, Rolled, Extruded, Pressed, and Machined Non-Ferrous Metals and Alloys and Ingots, Castings, Sheets, Rolls, Wire Strips and Bars Made from Such Metals and Alloys, and Specifically Brass, Low Brass, Rich Low Brass, Commercial Bronze, and Gilding in Rolls and Sheets; Phosphor-Bronze Rolls, Wire, Rods, and Sheets; Manganese-Bronze Sheets, Wire and Rods; Sawed Brass, Brazing Brass, Drawing Brass, Spinning Brass, Polished Brass, Bronze Sheets, Brass Wire, Low-Brass Wire, Bronze Wire, Gilding Wire, Pin Wire, Screw Wire, Brass Rods, Bronze Rods, Free-Turning Rods, Hot-Rolled and Cold-Rolled Copper in Sheets and Rolls, Hot and Cold Rolled Circles, Copper Bars, Copper Strips, Copper Anodes, Unfinished Commutator Copper Bars and Strips, Copper Circles, Polished Copper Sheets, Brass and Copper Drawn Molding, Nickel Silver in Sheets, Rolls, Circles, Rods, Wire, and Polished Nickel-Silver Sheets.
Claims use since July 17, 1922.

Ser. No. 177,343. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) WONDERLAY MILLING COMPANY, Indianapolis, Ind. Filed Mar. 12, 1923.

WONDERLAY
MAKES HENS LAY

The words "Makes Hens Lay" is hereby disclaimed.
Particular description of goods.—Poultry Feed Comprising an Egg Mash, Starting Mash, Growing Mash, and Scratch Grains.
Claims use since Feb. 1, 1923.

Ser. No. 177,444. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) ADOLF J. KUHIS, doing buiness as Sheik Toilet Products Company, Chicago, Ill. Filed Mar. 14, 1923.



Sheik
HAIR DRESSING

No claim made for the words "Hair Dressing" apart from the mark as shown.
Particular description of goods.—Hair Dressing.
Claims use since Jan. 29, 1923.

Ser. No. 177,613. (CLASS 32. FURNITURE AND UPHOLSTERY.) FRANK MICHELBACH, Alexandria, Va. Filed Mar. 17, 1923.

JIMMY RACK

No claim is made to the word "Rack" apart from the mark shown in the drawing.
Particular description of goods.—Rug Racks.
Claims use since January, 1923.

Ser. No. 178,051. (CLASS 14. METALS AND METAL CASTINGS AND FORGINGS.) THE MANGANESE BRONZE AND HRASS CO. LIMITED, Westminster, London, England. Filed Mar. 26, 1923.

LEBDENITE

Particular description of goods.—Unwrought and Partly-Wrought Metals Used in Manufacture.
Claims use since Dec. 16, 1921.

Ser. No. 178,287. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) WM. T. REYNOLDS & CO. INC., Poughkeepsie, N. Y. Filed Mar. 29, 1923.

Reynolds' Reliance

Particular description of goods.—Coffee.
Claims use since 1908.

Ser. No. 178,300. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) AVERY MERRILL STOUFFER, doing business as Stouffer Products Co., Chicago, Ill. Filed Mar. 29, 1923.

NORTHERN BELLE

Particular description of goods.—Table Sirup.
Claims use since Dec. 5, 1922.

Ser. No. 178,374. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) L. S. BEAVER, Vinita, Okla. Filed Mar. 31, 1923.



Particular description of goods.—Hair Tonic.
Claims use since July, 1914.

Ser. No. 178,467. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) PAUL POIRET, doing business as Les Parfums de Rosine, Paris, France. Filed Apr. 2, 1923.

ALADIN

Particular description of goods.—Perfumes and Toilet Waters.
Claims use since July 20, 1919.

Ser. No. 178,468. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) PAUL POIRET, doing business as Les Parfums de Rosine, Paris, France. Filed Apr. 2, 1923.

NUIT DE CHINE

Particular description of goods.—Perfumes and Toilet Waters.
Claims use since Sept. 1, 1913.

Ser. No. 178,494. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) W. S. CREED, doing business as W. S. Creed Company, Roanoke, Va. Filed Apr. 3, 1923.

SUPREME BRAND
SUPREME

The word "Brand" is disclaimed apart from the mark as shown.
Particular description of goods.—Alimentary Products and Pastes, Spaghetti, Macaroni, Egg Noodles, and Elbow.
Claims use since Mar. 1, 1923.

Ser. No. 178,624. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) NICKEL & DRUMMEY, Chicago, Ill. Filed Apr. 5, 1923.

CREAM VALLEY

Particular description of goods.—Butter.
Claims use since Nov. 1, 1922.

Ser. No. 178,713. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) CHAMPLAIN VALLEY FRUIT CO. INC., Burlington, Vt. Filed Apr. 7, 1923.

AUNT ALMIRA'S

Particular description of goods.—Mayonnaise Dressing, Olive Mayonnaise, Peanut Butter, Olive Butter, Mustard (Prepared), Cocoa, Mincemeat; Preserves—Namely, Fruits and Vegetables.
Claims use since Mar. 4, 1922.

Ser. No. 178,854. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) ARTHUR G. MADDOCK, Duarte, Calif. Filed Apr. 9, 1923.

OHOWGOOD

Particular description of goods.—Fresh Citrous Fruits.
Claims use since 1914.

Ser. No. 178,931. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) THE P. R. MITCHELL CO., New York, N. Y. Filed Apr. 10, 1923.

WOVEART

Particular description of goods.—Ticking.
Claims use since Dec. 11, 1922.

Ser. No. 178,963. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) DE CAMERON, INC., New York, N. Y. Filed Apr. 11, 1923.

Rose Gullistan

Particular description of goods.—Perfumes.
Claims use since Oct. 1, 1921.

Ser. No. 178,965. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) DE CAMERON INC., New York, N. Y. Filed Apr. 11, 1923.

Yasmak

Particular description of goods.—Perfumes.
Claims use since Oct. 1, 1921.

Ser. No. 178,968. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) DE CAMERON INC., New York, N. Y. Filed Apr. 11, 1923.

Daimo

Particular description of goods.—Perfumes.
Claims use since Oct. 1, 1921.

Ser. No. 179,050. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) THE METRO CHOCOLATE CO., INC., Brooklyn, N. Y. Filed Apr. 12, 1923.



Trade-mark consists of the word "Metro."
Particular description of goods.—Milk-Chocolate Fruit and Nut Roll.
Claims use since July 1, 1922.

Ser. No. 179,074. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) A. R. WALKER CANDY CORPORATION, Muskegon, Mich. Filed Apr. 13, 1923.

ADAM AND EVE

Particular description of goods.—Candy.
Claims use since Mar. 5, 1923.

Ser. No. 179,127. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) MICHELE AJELLO CO. INC., Brooklyn, N. Y. Filed Apr. 14, 1923.

ROMOLO

Particular description of goods.—Canned Olive Oil, Fruits, and Vegetables.
Claims use since 1889.

Ser. No. 179,144. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) GATES AUTO LAUNDRY AND SUPPLY COMPANY, St. Louis, Mo. Filed Apr. 14, 1923.

AUTO LAUNDRY

Particular description of goods.—Air-Pressure Systems for Washing Automobiles or Other Vehicles and Cleaning the Interior Thereof and Parts of Said Systems.
Claims use since about Mar. 20, 1921.

Ser. No. 179,154. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) EDGAR J. KOPPE, doing business as The Tex-Alie Company, Los Angeles, Calif. Filed Apr. 14, 1923.

TEX-ALIE

Particular description of goods.—Tamales.
Claims use since June 1, 1922.

Ser. No. 179,178. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) BILL, BELL & CO., INCORPORATED, Ogdensburg, N. Y. Filed Apr. 16, 1923.



The picture of the woman is fanciful.
Particular description of goods.—Wheat Flour.
Claims use since Mar. 12, 1923.

Ser. No. 179,191. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) FLORASYNTH LABORATORIES, New York and Unionport, N. Y. Filed Apr. 16, 1923.

GRAPOSYNTH

Particular description of goods.—Flavoring Extract for Foods.
Claims use since 1919.

Ser. No. 179,240. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) OTTO THOMA, doing business as Columbia Products Company, St. Louis, Mo. Filed Apr. 16, 1923.



No claim is made to the exclusive use of the words "Bavarian Malt" apart from the mark as shown.
Particular description of goods.—Malt Extract for Food Purposes.
Claims use since about Mar. 1, 1923.

Ser. No. 179,317. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) NOTTINGHAM LACE WORKS, Jersey City, N. J., and New York, N. Y. Filed Apr. 18, 1923.



The drawing is not lined for color.
Particular description of goods.—Laces, Handkerchiefs, Embroideries, and Cotton, Silk, Silk and Cotton, and Artificial-Silk Fabrics in the Piece.
Claims use since Jan. 1, 1917.

Ser. No. 179,334. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) R. BLACKWELL SMITH, doing business as The Tonsone Co., Petersburg, Va. Filed Apr. 18, 1923.

TONSONE

Particular description of goods.—Preparation for Use in Treating Tonsillitis, Sore Throat, and for a Laxative.
Claims use since Jan. 1, 1920.

Ser. No. 179,482. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) CHAS. C. OYLER & SON, Cincinnati, Ohio, doing business as The Eustis Packing Co., Eustis, Fla. Filed Apr. 21, 1923.



The name "Eustis," the geographical term "Eustis, Florida," and the pictorial representation of the goods are disclaimed apart from the other features of the mark.
Particular description of goods.—Fresh Citrous Fruits.
Claims use since October, 1922.

Ser. No. 179,889. (CLASS 25. LOCKS AND SAFES.) STEELCRAFT CORPORATION OF AMERICA, Cleveland, Ohio. Filed Apr. 28, 1923.

THE NATIONAL SAFE & LOCK CO.

The lining in the drawing denotes the color red.
Particular description of goods.—Locks and Safes.
Claims use since January, 1884.

Ser. No. 179,941. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) JOHN SCOTCHLER HUME, doing business as Del Norte Commercial Co., Seattle, Wash. Filed Apr. 30, 1923.

DEL NORTE

Particular description of goods.—Canned Fish, Canned Fruits, and Canned Vegetables.
Claims use since Mar. 12, 1923.

Ser. No. 180,110. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) HENRY DIEDERICH, Brooklyn and Valley Stream, N. Y. Filed May 3, 1923.



Particular description of goods.—Food Products—Namely, Rusk.
Claims use since Apr. 17, 1923.

Ser. No. 180,216. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) HARRIS WOODSON CO. INC., also doing business as Enterprise Candy Company, Lynchburg, Va. Filed May 5, 1923.

COCOANUT BLOSSOMS

Particular description of goods.—Candy.
Claims use since Jan. 1, 1920.

Ser. No. 180,241. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) S. Y. C. O. Co., Chicago, Ill. Filed May 5, 1923.

S&Y SYCO PILE REMEDY

The words "Pile Remedy" are hereby disclaimed apart from the mark as shown.
Particular description of goods.—Remedy for Piles, Cold in the Chest, Sore Muscles, and Burns.
Claims use since Jan. 1, 1923.

Ser. No. 180,276. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) FRONTIER ELEVATOR & MILL CO., Buffalo, N. Y. Filed May 7, 1923.

FEMCO

Particular description of goods.—Wheat Flour.
Claims use since Feb. 24, 1923.

Ser. No. 180,288. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) LOUISVILLE MILLING CO., Minneapolis, Minn. Filed May 7, 1923.

DUREX

Particular description of goods.—Wheat Flour.
Claims use since Feb. 24, 1923.

Ser. No. 180,289. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) LOUISVILLE MILLING CO., Minneapolis, Minn. Filed May 7, 1923.

LODUR

Particular description of goods.—Wheat Flour.
Claims use since Feb. 24, 1923.

Ser. No. 180,294. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) JOSEPH G. PAGE, doing business as J. G. Page Chemical Co., Buffalo, N. Y. Filed May 7, 1923.



Particular description of goods.—Preparation for Dandruff, Eczema, and Falling Hair.
Claims use since Apr. 25, 1916.

Ser. No. 180,298. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) CHARLES O SANDEFUR, doing business as Sandefur's Cereal Mill, Owensboro, Ky., assignor to Anglo-American Mill Company, Owensboro, Ky., a Corporation of Delaware. Filed May 7, 1923.

VITEMS

Particular description of goods.—Cracked Cereal Food Made from Corn.
Claims use since Apr. 1, 1923.

Ser. No. 180,299. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) CHARLES O. SANDEFUR, doing business as Sandefur's Cereal Mill, Owensboro, Ky., assignor to Anglo-American Mill Company, Owensboro, Ky., a Corporation of Delaware. Filed May 7, 1923.

VITEMS

Particular description of goods.—Cracked Cereal Food Made from Wheat.
Claims use since Apr. 1, 1923.

Ser. No. 180,302. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) CHARLES O. SANDEFUR, doing business as Sandefur's Cereal Mill, Owensboro, Ky., assignor to Anglo-American Mill Company, Owensboro, Ky., a Corporation of Delaware. Filed May 7, 1923.

VITACREME

Particular description of goods.—Pancake Flour Made from Wheat.
Claims use since Apr. 1, 1923.

Ser. No. 180,303. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) CHARLES O. SANDEFUR, doing business as Sandefur's Cereal Mill, Owensboro, Ky., assignor to Anglo-American Mill Company, Owensboro, Ky., a Corporation of Delaware. Filed May 7, 1923.

VITAWHEAT

Particular description of goods.—Graham or Whole-Wheat Four.
Claims use since Apr. 1, 1923.

Ser. No. 180,308. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) STAR & CRESCENT MILLING CO., Minneapolis, Minn. Filed May 7, 1923.

LA-INSUPERABLE

Particular description of goods.—Semolina.
Claims use since Apr. 3, 1923.

Ser. No. 180,457. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) JAMES VAN DYK CO., New York, N. Y. Filed May 10, 1923.

Cup o' Co

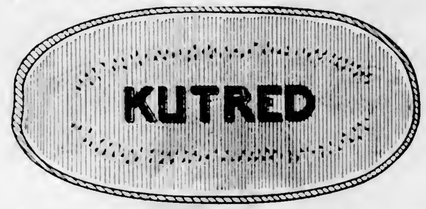
Particular description of goods.—Coffee Substitute.
Claims use since Apr. 23, 1923.

Ser. No. 180,490. (CLASS 4. ABRASIVE, DETERGENT, AND POLISHING MATERIALS.) HERBERT G. PARROTT, Chicago, Ill. Filed May 11, 1923.



Particular description of Goods.—Metal Polish.
Claims use since Feb. 20, 1923.

Ser. No. 180,507. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) WM. S. SWEET & SON, INC., Providence, R. I. Filed May 11, 1923.



No exclusive use is made to the pictorial representation shown apart from the other features of the mark. The trade-mark the symbol of a watermelon with the word "Kutred" on a red field surrounded by a green border, as represented by appropriate shade lines.
Particular description of goods.—Watermelons In Their Natural State, Preserved, or Pickled.
Claims use since September, 1922.

Ser. No. 180,518. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) CALIFORNIA PRESERVING COMPANY, Los Angeles, Calif. Filed May 12, 1923.

GOLD CREST

Particular description of goods.—Canned Fruit and Vegetables, Jams, Jellies, Fruit Preserves, and Marmalades.
Claims use since Jan. 1, 1923.

Ser. No. 180,542. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) WM. H. LUDEN INC., Reading, Pa. Filed May 12, 1923.

MO-PE-KO

Particular description of goods.—Candy.
Claims use since Apr. 22, 1922.

Ser. No. 180,563. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) WM. S. SWEET & SON, INC., Providence, R. I. Filed May 12, 1923.

KUTRED

Particular description of goods.—Watermelons in Their Natural State, Pickled, or Preserved.
Claims use since September, 1922.

Ser. No. 180,579. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) BITTERSWEET PRODUCTS CORPORATION, Yonkers, N. Y. Filed May 14, 1923.

SNOWDROP

Particular description of goods.—Ice Cream.
Claims use since January, 1921.

Ser. No. 180,631. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) TEXAS STAR FLOUR MILLS, Galveston, Tex. Filed May 14, 1923.

EL GOLFO

Particular description of goods.—Wheat Flour.
Claims use since Feb. 14, 1923.

Ser. No. 180,709. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) LONG ISLAND PACKING CO. INC., Brooklyn, N. Y. Filed May 16, 1923.

ARROW

Particular description of goods.—Honey.
Claims use since June 15, 1922.

Ser. No. 180,752. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) GEORGE W. COWLES, doing business as Cowles Canning Company, Mound City, Ill., and Bardwell, Ky. Filed May 17, 1923.

COWLES'
BANNER BRAND

The word "Brand" is disclaimed apart from the other features of the mark.
Particular description of goods.—Canned Tomatoes.
Claims use since Aug. 25, 1922.

Ser. No. 180,756. (CLASS 4. ABRASIVE, DETERGENT, AND POLISHING MATERIALS.) FORDYCE & JACKSON, Bedford, Ind. Filed May 17, 1923.

KLEER VIZION

Particular description of goods.—Chemical Preparation for Application to the Windshields of Automobiles to Prevent Rain or Mist from Obstructing the Drivers' View.
Claims use since Nov. 10, 1922.

Ser. No. 180,830. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) BANKERS DISCOUNT ASSOCIATION, Astoria, Oreg. Filed May 19, 1923.

JETTY

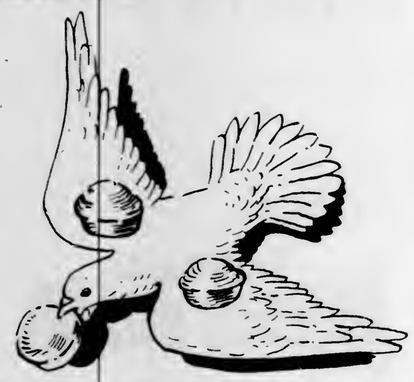
Particular description of goods.—Canned Salmon.
Claims use since Mar. 1, 1923.

Ser. No. 180,858. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) GILE & JENKS, Salem, Oreg. Filed May 19, 1923.

RED ASTER

Particular description of goods.—Dried Fruits.
Claims use since May 7, 1923.

Ser. No. 180,863. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) THOMPSON C. HOPPER, Gest, Ky. Filed May 19, 1923.



Particular description of goods.—Preparation for Use as a Breakfast Cereal and for Use in the Preparation of Cooked Foods.
Claims use since Feb. 11, 1923.

Ser. No. 180,888. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) PLUNKETT-JARRELL GROCER CO., Little Rock, Ark. Filed May 19, 1923.



The lining in the drawing indicating the color red.
Particular description of goods.—Coffee.
Claims use since December, 1911.

Ser. No. 180,891. (CLASS 4. ABRASIVE, DETERGENT, AND POLISHING MATERIALS.) FRED REISS, doing business as Paramount Specialty Co., Louisville, Ky. Filed May 19, 1923.



No claim is made to the pictorial representation of the goods illustrated in the accompanying drawing of this application.
Particular description of goods.—Cleanser for Artificial Teeth.
Claims use since Nov. 1, 1922.

Ser. No. 180,903. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) D. F. STAUFFER BISCUIT CO. INC., York, Pa. Filed May 19, 1923.

NIF-TY

Particular description of goods.—Pretzels.
Claims use since Apr. 27, 1922.

Ser. No. 180,965. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) COLONIAL PACKING CO., Los Angeles, Calif. Filed May 22, 1923.



Particular description of goods.—Canned Chili Tomato Sauce.
Claims use since November, 1922.

Ser. No. 180,967. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) DAVID DIAMOND, Lincoln, Nebr. Filed May 22, 1923.



Trade-mark consists of the words "Diamond's Best" displayed in blue, with a figure of diamond shape underneath displayed in red, with a stone and scintillations in white, and with a white inner border around the figure of diamond shape.
Particular description of goods.—Wheat Flour.
Claims use since August, 1911.

Ser. No. 181,002. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) BEAUX-ARTS CANDY COMPANY, Chicago, Ill. Filed May 23, 1923.



Trade-mark consists of the words "Hello Bar." The applicant, however, expressively disclaims any claim to the exclusive use of the word "Bar" apart from the other features of the trade-mark.
Particular description of goods.—Candy.
Claims use since Mar. 1, 1923.

Ser. No. 181,003. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) BEAUX-ARTS CANDY COMPANY, Chicago, Ill. Filed May 23, 1923.



Trade-mark consists of the words "Peccos Bar." The applicant, however, expressively disclaims any claim to the exclusive use to the word "Bar" apart from the other features of the trade-mark.
Particular description of goods.—Candy.
Claims use since Mar. 1, 1923.

Ser. No. 181,011. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) CAUCHOIS COFFEE COMPANY, New York, N. Y. Filed May 23, 1923.

French Maid

Particular description of goods.—Coffee.
Claims use since Mar. 15, 1923.

Ser. No. 181,019. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) FREE & KLINCK, INC., Brooklyn, N. Y. Filed May 23, 1923.

SHELL



Particular description of goods.—Canned Fruits and Vegetables.
Claims use since Apr. 20, 1923.

Ser. No. 181,076. (CLASS 38. PRINTS AND PUBLICATIONS.) INDUSTRIAL ENGINEERING RESEARCH CO., New York, N. Y. Filed May 24, 1923.

ADSEALIT

Trade-mark consists of the word "Adsealit."
Particular description of goods.—Adhesive Printed Labels.
Claims use since Jan. 1, 1923.

Ser. No. 181,086. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) THE NICKEL PLATE ELEVATOR COMPANY, Cleveland, Ohio. Filed May 24, 1923.

NICKEL-PLATE

Particular description of goods.—Poultry and Stock Feed.
Claims use since Jan. 1, 1911.

Ser. No. 181,166. (CLASS 38. PRINTS AND PUBLICATIONS.) THE BELL SYNDICATE, INC., New York, N. Y. Filed May 26, 1923.

JOE QUINCE

Particular description of goods.—Series of Cartoons.
Claims use since Apr. 9, 1923.

Ser. No. 181,167. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) BLUM & BERGERON, Houma, La. Filed May 26, 1923.

BABY

Particular description of goods.—Dried Shrimp.
Claims use since 1912.

Ser. No. 181,177. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) EMPIRE SILK COMPANY, Wilmington, Del., and New York, N. Y. Filed May 26, 1923.

Check-a-Check

Particular description of goods.—Silk Piece Goods.
Claims use since May 15, 1923.

Ser. No. 181,206. (CLASS 38. PRINTS AND PUBLICATIONS.) THE OLYMPIC CLUB, San Francisco, Calif. Filed May 26, 1923.

The OLYMPIAN

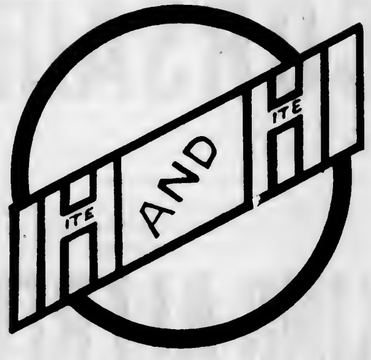
Particular description of goods.—Periodicals Issued Monthly.
Claims use since Dec. 1, 1912.

Ser. No. 181,310. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) POKODOT CEREAL COMPANY, Fargo, N. Dak. Filed May 28, 1923.

POKODOT

Particular description of goods.—Pancake Flour.
Claims use since June, 1920.

Ser. No. 181,342. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) HITE BROTHERS, Peru, Ind. Filed May 29, 1923.



Particular description of goods.—Pancake Flour and Buckwheat Flour.
Claims use since Dec. 2, 1921.

Ser. No. 181,360. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) DANIEL P. WOOLLEY, New York, N. Y. Filed May 29, 1923.

HOMEKRAFT

Particular description of goods.—Bread.
Claims use since Apr. 30, 1923.

Ser. No. 181,363. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) DANIEL P. WOOLLEY, New York, N. Y. Filed May 29, 1923.

Live Long

Particular description of goods.—Bread.
Claims use since Apr. 30, 1923.

Ser. No. 181,364. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) DANIEL P. WOOLLEY, New York, N. Y. Filed May 29, 1923.

Lady Betty



Particular description of goods.—Bread.
Claims use since Apr. 30, 1923.

Ser. No. 181,367. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) DANIEL P. WOOLLEY, New York, N. Y. Filed May 29, 1923.

Likaslice

Particular description of goods.—Bread.
Claims use since Apr. 30, 1923.

Ser. No. 181,369. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) DANIEL P. WOOLLEY, New York, N. Y. Filed May 29, 1923.

FINETEX

Particular description of goods.—Bread.
Claims use since Apr. 30, 1923.

Ser. No. 181,412. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) G. B. RAFFETTO, INC., New York, N. Y. Filed May 31, 1923.

HARLEQUIN

Particular description of goods.—Oranges Preserved and Stuffed with Other Fruit.
Claims use since Oct. 1, 1922.

Ser. No. 181,416. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) SHOTWELL MFG. CO., Chicago, Ill. Filed May 31, 1923.

Checkers

Particular description of goods.—Candies of Various Sorts—Namely, Pop-Corn Candy.
Claims use since Apr. 2, 1903.

Ser. No. 181,440. (CLASS 13. HARDWARE AND PLUMBING AND STEAM-FITTING SUPPLIES.) HERBERT L. FENNO, doing business as Holdems Company, Boston, Mass. Filed June 1, 1923.

HOLDEMS

Particular description of goods.—Fastening Devices for Holding Chair Rungs and Other Plug Members in Their Sockets.
Claims use since Mar. 31, 1923.

Ser. No. 181,458. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) THE SOUTHWESTERN MILLING COMPANY INC., New York N. Y. Filed June 1, 1923.

PRINCE CHARMING

Particular description of goods.—Wheat Flour.
Claims use since May 21, 1923.

Ser. No. 181,459. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) THE SOUTHWESTERN MILLING COMPANY INC., New York, N. Y. Filed June 1, 1923.

ST. MARIE

Particular description of goods.—Wheat Flour.
Claims use since May 21, 1923.

Ser. No. 181,460. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) THE SOUTHWESTERN MILLING COMPANY INC., New York, N. Y. Filed June 1, 1923.

KING WILLIAM

Particular description of goods.—Wheat Flour.
Claims use since May 21, 1923.

Ser. No. 181,461. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) THE SOUTHWESTERN MILLING COMPANY INC., New York, N. Y. Filed June 1, 1923.

KING LEAR

Particular description of goods.—Wheat Flour.
Claims use since May 21, 1923.

Ser. No. 181,462. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) THE SOUTHWESTERN MILLING COMPANY INC., New York, N. Y. Filed June 1, 1923.

CORSAIR

Particular description of goods.—Wheat Flour.
Claims use since May 21, 1923.

Ser. No. 181,463. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) THE SOUTHWESTERN MILLING COMPANY INC., New York, N. Y. Filed June 1, 1923.

KING ALFRED

Particular description of goods.—Wheat Flour.
Claims use since May 21, 1923.

Ser. No. 181,468. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) WASHBURN-CROSBY COMPANY, Minneapolis, Minn. Filed June 1, 1923.

T·N·T

Particular description of goods.—Wheat Flour.
Claims use since Oct. 31, 1922.

Ser. No. 181,480. (CLASS 26. MEASURING AND SCIENTIFIC APPLIANCES.) VICTOR C. ERNST, Cleveland, Ohio. Filed June 2, 1923.

IDENTISCOPE

Particular description of goods.—Cameras.
Claims use since May 18, 1923.

Ser. No. 181,554. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) BURTON COFFEE COMPANY, Knoxville, Tenn. Filed June 5, 1923.

BURTON'S CHRISTMAS GIFT BRAND COFFEE

I herewith disclaim the words "Coffee" and "Brand" apart from the other features of the mark.
Particular description of goods.—Package and Canned Coffee.
Claims use since Apr. 1, 1921.

Ser. No. 181,556. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) BURTON COFFEE COMPANY, Knoxville, Tenn. Filed June 5, 1923.

Burton's 'WAKE-UP' COFFEE

I herewith disclaim the word "Coffee" apart from the other features of the mark.
Particular description of goods.—Package and Canned Coffee.
Claims use since Apr. 1, 1921.

Ser. No. 181,565. (CLASS 39. CLOTHING.) JEROME HILBORN, New York, N. Y. Filed June 5, 1923.

J·H· LONDON-NEW YORK

"London and New York" is disclaimed apart from the mark shown on the drawing.
Particular description of goods.—Sweaters, Sweater Coats, Jackets, Vests, Knitted Hosiery, Scarfs, Mufflers, and shawls.
Claims use since Mar. 28, 1922.

Ser. No. 181,567. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) IRWIN-HARRISONS & CROSFIELD, INC., San Francisco, Calif. Filed June 5, 1923.

RED BALL

The lining appearing on the drawing denotes the color red.
Particular description of goods.—Canned Sardines.
Claims use since Feb. 8, 1923.

Ser. No. 181,571. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) SCHWEIZ DECKEN- UND TUCHFABRIKEN PFUNGEN-TURBENTHAL, Zurich, Switzerland. Filed June 5, 1923.



Particular description of goods.—Textile Fabrics—Namely, Piece Goods of Camel's Hair, Blankets, Covers, and Rugs.
Claims use since Dec. 1, 1922.

Ser. No. 181,575. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) SUSSMAN, WORMSER & CO., San Francisco, Calif. Filed June 5, 1923.

BAK-A-SPECIAL

Applicant hereby disclaims all right to the exclusive use of the word "Special" apart from the mark as shown.
Particular description of goods.—Canned Fruits.
Claims use since 1917.

Ser. No. 181,644. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) THE POPSICLE CORPORATION, New York, N. Y. Filed June 6, 1923.

POPSICLE

Trade-mark "Popsicle."
Particular description of goods.—Lollypops.
Claims use since May 28, 1923.

Ser. No. 181,644. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) NATIONAL BISCUIT COMPANY, Jersey City, N. J., and New York, N. Y. Filed June 7, 1923.

"Uneeda Bakers"

Particular description of goods.—Biscuits, Crackers, Cookies, and Cakes.
Claims use since on or about Jan. 12, 1923.

Ser. No. 181,647. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) THE QUAKER OATS COMPANY, Chicago, Ill. Filed June 7, 1923.

FS

Particular description of goods.—Rolled Oats, Corn Meal, Wheat Flour, Rye Flour, Hominy, and Stock Foods.
Claims use since 1876.

Ser. No. 181,669. (CLASS 38. PRINTS AND PUBLICATIONS.) AMBROSE BOWYER, Chicago, Ill. Filed June 8, 1923.

Automotive Maintenance

Trade-mark consists of the words "Automotive Maintenance."
Particular description of goods.—Publications to be Published at Irregular Intervals.
Claims use since on or about May 1, 1923.

Ser. No. 181,744. (CLASS 43. THREAD AND YARN.) GRUBER YARN CORPORATION, New York, N. Y. Filed June 9, 1923.

ARTSILK



No claim is made to the exclusive use of the word "Artsilk" apart from the mark as shown on the drawing.
Particular description of goods.—Silk, Artificial-Silk, Wool, and Cotton Threads and Yarns.
Claims use since May 12, 1922.

Ser. No. 181,738. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) MAMA COOKIE BAKERY, Chicago, Ill. Filed June 9, 1923.

MAMA'S

Particular description of goods.—Cookies.
Claims use since about Jan. 1, 1909.

Ser. No. 181,811. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) THE BARTLETT CORPORATION, Philadelphia, Pa. Filed June 11, 1923.



Particular description of goods.—Castor Oil.
Claims use since May 1, 1923.

Ser. No. 181,813. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) THE CARL COMPANY, Schenectady, N. Y. Filed June 11, 1923.



Particular description of goods.—Cotton Piece Goods, Linen Piece Goods, and Toweling.
Claims use since Mar. 1, 1923.

Ser. No. 181,821. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) DAVIS & LAWRENCE CO., New York, N. Y. Filed June 11, 1923.

DYLCIA

Particular description of goods.—Toilet Cream and Vanishing Cream.
Claims use since June, 1906.

Ser. No. 181,837. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) REUBEN W. LOVERING, doing business as Lovering Candy Company, St. Paul, Minn. Filed June 11, 1923.



Particular description of goods.—Fudge Bars or Rolls.
Claims use since Apr. 2, 1923.

Ser. No. 181,866. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) THE REMILLER CO., New York, N. Y. Filed June 11, 1923.

LORINA

Particular description of goods.—Talcum Powder.
Claims use since June 1, 1923.

Ser. No. 181,869. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) SILGER LABORATORIES, Buffalo, N. Y. Filed June 11, 1923.

NEETHAIR

Particular description of goods.—Preparation for Dressing the Hair.
Claims use since Apr. 15, 1923.

Ser. No. 181,884. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) FORTUNE PRODUCTS COMPANY, Chicago, Ill. Filed June 12, 1923.

FORTUNE SHELLS

Particular description of goods.—Macaroni.
Claims use since on or about Jan. 13, 1923.

Ser. No. 181,887. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) THE GOTHAM CORPORATION, New York, N. Y. Filed June 12, 1923.

CITROPHAN

The trade-mark consists of the invented word "Citrophan."
Particular description of goods.—Preparation for the Prevention and Treatment of Obesity.
Claims use since Apr. 21, 1923.

Ser. No. 181,894. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) THE ILLINOIS CANNING COMPANY, Hoopeston, Ill. Filed June 12, 1923.



Particular description of goods.—Canned Vegetables.
Claims use since May 20, 1895.

Ser. No. 181,895. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) THE ILLINOIS CANNING COMPANY, Hoopeston, Ill. Filed June 12, 1923.



Applicant disclaims any right to the exclusive use of the words "Sugar Corn" and "You Will Like It Too" except in the precise relation and association in which they appear in the drawing. The picture of a child which forms part of the mark is merely fanciful.

Particular description of goods.—Canned Corn.

Claims use since Nov. 22, 1912.

Ser. No. 181,896. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) INDIAROOT COMPANY, Chicago, Ill. Filed June 12, 1923.

INDIAROOT



Particular description of goods.—Hair Tonic.

Claims use since May 1, 1923.

Ser. No. 181,900. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) CHARLES LINAHAN, Troy, Mo. Filed June 12, 1923.

MILK-O-MINT

Particular description of goods.—Nonalcoholic Preparation for Relieving Dyspepsia, Indigestion, Heartburn, Sour Stomach, Belching of Gas, and Acidity of the Stomach.

Claims use since Jan. 1, 1923.

Ser. No. 181,947. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) INTERNATIONAL SALT COMPANY, INC., New York, N. Y. Filed June 13, 1923.



Particular description of goods.—Table Salt.

Claims use since about Sept. 1, 1899.

Ser. No. 181,948. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) INTERNATIONAL SALT COMPANY, INC., New York, N. Y. Filed June 13, 1923. Under ten-year proviso.

Purity

Particular description of goods.—Table Salt.

Claims use since about Aug. 31, 1894.

Ser. No. 181,950. (CLASS 26. MEASURING AND SCIENTIFIC APPLIANCES.) J. CARL JESSEN, Hollywood, Calif. Filed June 13, 1923.

CONTEST

The words "Trade-Mark" appearing in the mark, are hereby disclaimed apart from the mark as shown by the drawing.

Particular description of goods.—Motion Pictures Reproduced in Copies for Sale.

Claims use since on or about Apr. 15, 1923.

Ser. No. 181,957. (CLASS 38. PRINTS AND PUBLICATIONS.) MODERN CONFECTIONER PUBLISHING COMPANY, Chicago, Ill. Filed June 13, 1923.

Candy Factory

Particular description of goods.—Monthly Publication.

Claims use since May 21, 1921.

Ser. No. 181,964. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) THE SULPHO-NAPTHOL COMPANY, Boston, Mass. Filed June 13, 1923.

Beezoff

Particular description of goods.—Tree and Plant Spray Solutions.

Claims use since Apr. 23, 1923.

Ser. No. 181,969. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) ZUCNUTKANDY COMPANY, Newark, N. J. Filed June 13, 1923.

ZucNutKandy

No claim made to the exclusive use of the words "Nut Kandy" (nut candy) apart from the other features of the trade-mark.

Particular description of goods.—Candy.

Claims use since Oct. 1, 1921.

Ser. No. 181,981. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) A. L. CURTIS, Atlanta, Ga. Filed June 14, 1923.



Particular description of goods.—Internal and Injective Remedies for Gonorrhea.

Claims use since 1891.

Ser. No. 182,020. (CLASS 38. PRINTS AND PUBLICATIONS.) SUTTON & DARBYSHIRE INCORPORATED, Philadelphia, Pa. Filed June 14, 1923.

The STOCK MARKET MIRROR

Particular description of goods.—Periodical Published on the 15th Day of Each Month of the Year Regularly and Known as "The Stock Market Mirror."

Claims use since Jan. 15, 1923.

Ser. No. 182,028. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) WHIPPO MANUFACTURING COMPANY, Quincy, Mass. Filed June 14, 1923.

WHIPPO

Particular description of goods.—Apparatus for Beating Eggs and Like Liquids.

Claims use since July 1, 1922.

Ser. No. 182,051. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) FELIX V. GRECO, doing business as The Hairvita Hair Tonic Co., Philadelphia, Pa. Filed June 15, 1923.



No claim is made to the words "Made in Philadelphia" apart from the mark shown.

Particular description of goods.—Liquid Hair Tonic.

Claims use since June, 1922.

Ser. No. 182,052. (CLASS 26. MEASURING AND SCIENTIFIC APPLIANCES.) THE H. & A. MANUFACTURING COMPANY, Cleveland, Ohio. Filed June 15, 1923.

Mellowlite

Particular description of goods.—Eyeshades or Visors for Use in Connection with Spectacles and Eyeglasses.

Claims use since Apr. 30, 1913.

Ser. No. 182,058. (CLASS 38. PRINTS AND PUBLICATIONS.) THE PENTON PUBLISHING COMPANY, Cleveland, Ohio. Filed June 15, 1923.

Marine Review
THE BUSINESS OF TRANSPORTATION BY WATER

No claim is made to the words "The Business of Transportation by Water" apart from the mark shown.

Particular description of goods.—Monthly Marine Periodical.

Claims use since Sept. 20, 1921.

Ser. No. 182,081. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) JOHN H. WEBSTER, Louisville, Ky. Filed June 15, 1923.

White Rock

Particular description of goods.—Liniments.
Claims use since Jan. 2, 1910.

Ser. No. 182,100. (CLASS 16. PAINTS AND PAINTERS' MATERIALS.) S. C. JOHNSON & SON, Racine, Wis. Filed June 16, 1923. Under section 9 of the act of Mar. 19, 1920.

JOHNSON'S

Particular description of goods.—Oil and Spirit Stains, Varnish Stain, Ready-Mixed Paints, Varnish, Paint Enamels, and Wood and Crack Filler.
Claims use on ready-mixed paints since about 1890; on oil and spirit stains since early part of 1903; on varnish stain since early part of 1919; on paints since early part of 1919; on varnish since early part of 1916; on enamels since early part of 1919; on wood and crack filler since early part of 1903.

Ser. No. 182,173. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) THE E. KAHN'S SONS COMPANY, Cincinnati, Ohio. Filed June 18, 1923.

POPLAR

Particular description of foods.—Sausage, Breakfast Bacon, Bologna Style Sausage, Frankfurter-Style Sausage, Pure Lard with Beef Fat Added, Lard Compound Made from Pure Lard and Pure Beef Fat.
Claims use since Apr. 15, 1923.

Ser. No. 182,188. (CLASS 33. GLASSWARE.) THOMA & SON INC., Fairfield, Iowa. Filed June 18, 1923.



In the trade-mark drawing the lining indicates blue. The portions within the circle, above and below the central band, are likewise blue. No claim is made to the expressions "Everything in Glass for the Automobile," "Certified Automotive Glass," and "Fairfield, Iowa," apart from the mark as shown.
Particular description of goods.—Window Glass, Glare Shields of Glass.
Claims use since Jan. 1, 1923.

Ser. No. 182,262. (CLASS 17. TOBACCO PRODUCTS.) SALVADOR RODRIGUEZ, New York, N. Y. Filed June 20, 1923.



Particular description of goods.—Cigars.
Claims use since about 1896.

Ser. No. 182,264. (CLASS 17. TOBACCO PRODUCTS.) SALVADOR RODRIGUEZ, New York, N. Y. Filed June 20, 1923.

ABELINA



The picture shown is fanciful.
Particular description of goods.—Cigars.
Claims use since about 1891.

Ser. No. 182,265. (CLASS 17. TOBACCO PRODUCTS.) SALVADOR RODRIGUEZ, New York, N. Y. Filed June 20, 1923.

SALVADOR RODRIGUEZ



The picture shown is that of Salvador Rodriguez (deceased).
Particular description of goods.—Cigars.
Claims use since about 1892.

Ser. No. 182,281. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) ABRAHAM & STRAUS, INC., New York, N. Y. Filed June 21, 1923.

MERIBO

Particular description of goods.—Coffee.
Claims use since May 1, 1923.

Ser. No. 182,293. (CLASS 17. TOBACCO PRODUCTS.) MARIA CAVRELLI and BALDASSARE MIRABILE, New York, N. Y. Filed June 21, 1923.



Particular description of goods.—Cigars.
Claims use since Apr. 10, 1923.

Ser. No. 182,307. (CLASS 39. CLOTHING.) F. P. HOY, INC., New York, N. Y. Filed June 21, 1923.

Darby

Particular description of goods.—Corsets.
Claims use since Apr. 17, 1923.

Ser. No. 182,314. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) R. H. MACY & CO., INC., New York, N. Y. Filed June 21, 1923.

SYNTHYL

Particular description of goods.—Artificial Silk in the Piece.
Claims use since June 14, 1923.

Ser. No. 182,373. (CLASS 39. CLOTHING.) FASHION HAT COMPANY, New York, N. Y. Filed June 23, 1923.



The words "Marie et Armand" are fictitious and not the name of an individual.
Particular description of goods.—Ladies', Misses,' and Children's Hats and Caps.
Claims use since June 1, 1923.

Ser. No. 182,409. (CLASS 4. ABRASIVE, DETERGENT, AND POLISHING MATERIALS.) FLASH CHEMICAL COMPANY, Cambridge, Mass. Filed June 25, 1923.

SUPER SOAP

The word "Soap" is hereby disclaimed except as a part of the mark shown on the drawing.
Particular description of goods.—Soap Cleansing Cream.
Claims use since January, 1919.

Ser. No. 182,438. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) PARK & TILFORD, New York, N. Y. Filed June 25, 1923.

Taste Just One

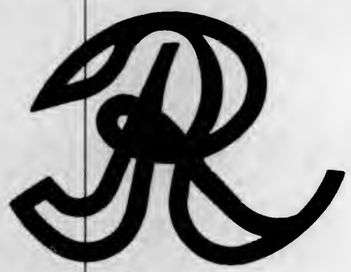
Particular description of goods.—Candies and Chocolates.
Claims use since June 9, 1923.

Ser. No. 182,452. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) ISADORE TROTSKY, doing business as Sanitary Hair Company, Providence, R. I. Filed June 25, 1923.

Sister Helene

Particular description of goods.—Hair Nets.
Claims use since 1921.

Ser. No. 182,549. (CLASS 13. HARDWARE AND PLUMBING AND STEAM-FITTING SUPPLIES.) THE RAYBESTOS COMPANY, Bridgeport, Conn. Filed June 28, 1923.



Particular description of goods.—Rivets.
Claims use since Oct. 19, 1922.

Ser. No. 182,567. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) COHN GOLDWATER COMPANY, Los Angeles, Calif. Filed June 29, 1923.

Lustertex

Particular description of goods.—Textile Fabrics—Namely, Piece Goods—Namely, of Wool, Cotton, Silk, Linen, and Mixtures of Same.
Claims use since June 1, 1923.

Ser. No. 182,602. (CLASS 38. PRINTS AND PUBLICATIONS.) EDGAR ALLAN MOSS, Marion, Ind. Filed June 29, 1923.

POLLYANNA
COLYUM



Particular description of goods.—Heading for a Humor Column Syndicated to Both Weekly and Daily Newspapers Throughout America as Well as House-Organs, Trade Journals, Magazines, and Other Periodicals.
Claims use since May 15, 1922.

Ser. No. 182,672. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) W. H. PRIDE & CO., Bellingham, Wash. Filed June 30, 1923.

PRIDE'S



Particular description of goods.—Canned Vegetables—Namely, Beans, Beets; and Canned Fruits—Namely, Strawberries, Raspberries, Blackberries, Loganberries, Apples, Prunes, Cherries, Blueberries, and Pears.
Claims use since 1914.

Ser. No. 182,783. (CLASS 13. HARDWARE AND PLUMBING AND STEAM-FITTING SUPPLIES.) WOLVERINE BRASS WORKS, Grand Rapids, Mich. Filed July 3, 1923.

INSTANTO

Particular description of goods.—Sink Bibs, Sink Cocks, Faucets, Bath Cocks, Basin Cocks, and Washtray Bibs.
Claims use since July, 1922.

Ser. No. 182,815. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) HUMPHREY ELEVATOR CO., Faribault, Minn. Filed July 5, 1923. Under ten-year proviso.

Humphrey

Particular description of goods.—Elevators.
Claims use since 1888.

Ser. No. 182,898. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) CHAS. ANDERSON, Wasco, Calif. Filed July 7, 1923.

WHITE CROSS

Particular description of goods.—Fresh Grapes.
Claims use since Apr. 20, 1923.

Ser. No. 182,933. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) A. S. ROSENTHAL COMPANY, INC., New York, N. Y. Filed July 7, 1923.

ROSETTE

Particular description of goods.—Silk Goods in the Piece, Cotton Goods in the Piece, and Goods Containing a Mixture of Cotton and Silk in the Piece.
Claims use since June 1, 1923.

Ser. No. 183,142. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) THE FIRTH CARPET COMPANY, New York and Firthcliffe, N. Y. Filed July 13, 1923.

AMAXIN

Particular description of goods.—Chenille Rugs.
Claims use since 1903.

Ser. No. 183,143. (CLASS 39. CLOTHING.) FISCHER-JELENKO INC., New York, N. Y. Filed July 13, 1923.



Particular description of goods.—Bath Robes, Lounging Robes, Dressing Gowns, Smoking Jackets, and Negligees.
Claims use since about Jan. 1, 1921.

Ser. No. 183,157. (CLASS 39. CLOTHING.) GERTRUDE KILLFEATHER, Spokane, Wash. Filed July 13, 1923.

Billee

Particular description of goods.—Young Girls' Dresses.
Claims use since June 7, 1921.

Ser. No. 183,160. (CLASS 39. CLOTHING.) ORIOLE SHIRT MANUFACTURING CORPORATION, New York, N. Y. Filed July 13, 1923.

The "Oriole"

Particular description of goods.—Men's Dress and Negligee Shirts.
Claims use since about June 20, 1923.

Ser. No. 183,188. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) BRUNE, POTTBERG & CO., New York, N. Y. Filed July 14, 1923.



Particular description of goods.—Cotton Piece Goods.
Claims use since on or about June 14, 1916.

Ser. No. 183,191. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) BRUNE, POTTBERG & CO., New York, N. Y. Filed July 14, 1923.



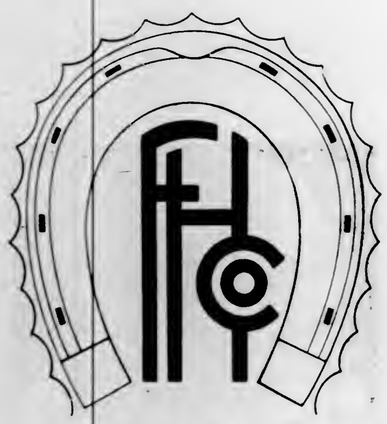
No claim is made to the descriptive word "Dril."
Particular description of goods.—Cotton Piece Goods.
Claims use since on or about June 23, 1921.

Ser. No. 183,192. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) BRUNE, POTTBERG & CO., New York, N. Y. Filed July 14, 1923.



Particular description of goods.—Cotton Piece Goods.
Claims use since on or about Apr. 13, 1921.

Ser. No. 183,205. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) THE FARLEY HARVEY COMPANY, Boston, Mass. Filed July 14, 1923.



Particular description of goods.—Dry Goods—Namely, Linen and Cotton Cloths and Woolen Blankets.
Claims use since June 1, 1890.

Ser. No. 183,207. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) J. A. FINN & COMPANY, New York, N. Y. Filed July 14, 1923.



No claim made to the exclusive use of the words "Made in Ireland" and "Pure Irish Linen" apart from the mark as shown in the drawing.
Particular description of goods.—Linen Piece Goods.
Claims use since June 1, 1923.

Ser. No. 183,214. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) INTERNATIONAL WORSTED MILLS, Methuen, Mass., and New York, N. Y. Filed July 14, 1923.

TRI-PLI-WEVE

Particular description of goods. Textile Fabrics Known as All-Worsted Tropicals.
Claims use since June, 1922.

Ser. No. 183,221. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) MCLANE SILK COMPANY, Turners Falls, Mass. Filed July 14, 1923.



No claim made to the representation of the material upon which the mark is produced or to the exclusive right to the use of the word "McLane." The mark consists of the word "McLane" repeated at intervals along the selvage edge of the fabric, and a series of parallel short lines arranged at an acute angle to the edge of the fabric to resemble a rope and extending along the selvage edge of the fabric between each word "McLane" and the next succeeding word.
Particular description of goods.—Silk and Satin Piece Goods.
Claims use since May 1, 1923.

Ser. No. 183,225. (CLASS 13. HARDWARE AND PLUMBING AND STEAM-FITTING SUPPLIES.) THE NO-LIQUID DOOR CHECK COMPANY, Columbus, Ohio. Filed July 14, 1923.

LIG-WID-LES

Particular description of goods.—Door Checks.
Claims use since June 16, 1923.

Ser. No. 183,262. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) DUPLAN SILK CORPORATION, New York, N. Y. Filed July 16, 1923.

CREPE D'UZES

The word "Crepe" is disclaimed apart from the trade-mark as shown in the drawing.
Particular description of goods.—Silk Piece Goods.
Claims use since Apr. 15, 1923.

Ser. No. 183,306. (CLASS 39. CLOTHING.) ROY B. LEWIS, doing business as Roy B. Lewis Co., Duluth, Minn. Filed July 16, 1923.



LEWIS

No claim made to the design of the stocking apart from the mark shown on the drawing.
Particular description of goods.—Men's, Women's, and Children's Hosiery.
Claims use since Mar. 12, 1923.

Ser. No. 183,342. (CLASS 39. CLOTHING.) I. PACHNER & SON, INC., New York, N. Y. Filed July 17, 1923.

IPSON

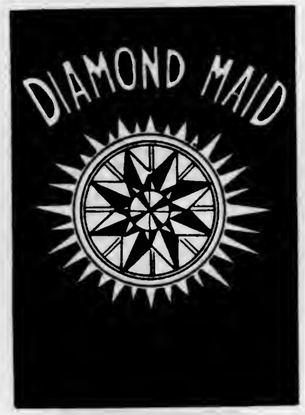
Particular description of goods.—Articles of Ladies' Apparel—Namely, Scarfs, Hats, Cloaks, Capes, Skirts, Dresses, Sweaters, Slip-Ons, and Vests.
Claims use since July 1, 1922.

Ser. No. 183,352. (CLASS 39. CLOTHING.) VERTEX HOSIERY MILLS, INC., Weissport, Pa. Filed July 17, 1923.

VERTEX

Particular description of goods.—Hosiery.
Claims use since Mar. 1, 1923.

Ser. No. 183,366. (CLASS 39. CLOTHING.) DIAMOND BROS., New York, N. Y. Filed July 18, 1923.



Particular description of goods.—Hosiery.
Claims use since June 27, 1923.

Ser. No. 183,420. (CLASS 14. METALS AND METAL CASTINGS AND FORGINGS.) SUPER-REFINED METALS COMPANY, Los Angeles, Calif. Filed July 18, 1923.

KELMET

Particular description of goods.—Bearing Metals.
Claims use since June 15, 1922.

Ser. No. 183,423. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) W. HARRIS THURSTON & CO. INC., New York, N. Y. Filed July 18, 1923.

NUSYLK

Particular description of goods.—Cotton Piece Goods.
Claims use since December, 1921.

Ser. No. 183,506. (CLASS 39. CLOTHING.) THE THOS. P. TAYLOR CO., Bridgeport, Conn. Filed July 20, 1923.

BAR-LOK

Particular description of goods.—Children's Waists and Underwear of Knitted or Textile Fabrics.
Claims use since June 15, 1923.

Ser. No. 183,507. (CLASS 39. CLOTHING.) THE THOS. P. TAYLOR CO., Bridgeport, Conn. Filed July 20, 1923.



The trade-mark consists of a row of parallel stitches close together, so as to form a bar.

Particular description of goods.—Children's Waists and Underwear of Knitted or Textile Fabrics.

Claims use since Feb. 14, 1919.

Ser. No. 183,525. (CLASS 39. CLOTHING.) CHARLES ISKOWITZ, New York, N. Y. Filed July 21, 1923.

ISKO

Particular description of goods.—Hosiery.

Claims use since July 1, 1923.

Ser. No. 183,630. (CLASS 39. CLOTHING.) SLANDS M'F'G. CO., New York, N. Y. Filed July 24, 1923.

SLANDS

Particular description of goods.—Sheepskin Coats.

Claims use since July 1, 1923.

Ser. No. 183,663. (CLASS 39. CLOTHING.) RITTER HOSIERY COMPANY, Fleetwood, Pa. Filed July 25, 1923.

R·H·C· Try Me

Particular description of goods.—Hosiery.

Claims use since Oct. 7, 1915.

Ser. No. 183,763. (CLASS 39. CLOTHING.) CHARLES SEIDMAN, doing business as Charles Seidman & Co., Philadelphia, Pa. Filed July 27, 1923.

CORDO

Particular description of goods.—Neckties.

Claims use since about July 18, 1923.

Ser. No. 183,810. (CLASS 39. CLOTHING.) WONDER-KNIT MILLS, Union Hill, N. J. Filed July 28, 1923.

WONDER KNIT

Particular description of goods.—Woven and Knitted Sweaters, Bathing Suits, Mufflers, Neckties, and Scarfs Made from Wool, Worsted, Cotton, Silk, and Other Fibers.

Claims use since June, 1923.

Ser. No. 183,850. (CLASS 14. METALS AND METAL CASTINGS AND FORGINGS.) PACIFIC FOUNDRY COMPANY, San Francisco, Calif. Filed July 30, 1923.

FLINTCAST

Particular description of goods.—Metal Castings Made of an Iron Mixture or Alloy.

Claims use since about Jan. 28, 1922.

Ser. No. 184,065. (CLASS 13. HARDWARE AND PLUMBING AND STEAM-FITTING SUPPLIES.) CARPENTER-DODGE COMPANY, Arlington, Mass. Filed Aug. 4, 1923.

ALUMAG

Particular description of goods.—Nails.

Claims use since Jan. 30, 1923.

Ser. No. 184,152. (CLASS 43. THREAD AND YARN. JOHN F. STREET & CO., Providence, R. I. Filed Aug. 6, 1923.



No claim is made for the word "Brand" except in association with the trade-mark as shown.

Particular description of goods.—Cotton Yarns.

Claims use since on or about June 30, 1923.

Ser. No. 184,280. (CLASS 13. HARDWARE AND PLUMBING AND STEAM-FITTING SUPPLIES.) CONTINENTAL WOOD SCREW CO., New Bedford, Mass. Filed Aug. 10, 1923.

HOLTITE

Trade-mark consists of the the word "Holtite."

Particular description of goods.—Wood Screws.

Claims use since Mar. 29, 1923.

TRADE-MARK REGISTRATIONS GRANTED

[ACT OF FEBRUARY 20, 1905.]

SEPTEMBER 25, 1923.

173,318. SILK, LINEN, WOOLEN, AND COTTON PIECE GOODS, AND COMBINATIONS THEREOF. HAAS BROTHERS FABRICS CORPORATION, New York, N. Y.
Filed June 22, 1922. Serial No. 165,865. PUBLISHED AUGUST 29, 1922.

173,319. SHOES MADE OF LEATHER, FABRIC, RUBBER, AND COMBINATION OF SAID MATERIALS. THE L. D. STICKLES SHOE CO., Red Wing, Minn.
Filed December 16, 1922. Serial No. 173,449. PUBLISHED JUNE 26, 1923.

173,320. SUITS OF WASH MATERIALS AND WOOLEN MATERIALS. SAMUEL GOODMAN, Baltimore, Md.
Filed December 16, 1922. Serial No. 173,416. PUBLISHED JUNE 26, 1923.

173,321. CREAM OF TARTAR. PARK & TILFORD, New York, N. Y.
Filed December 12, 1922. Serial No. 173,241. PUBLISHED JUNE 26, 1923.

173,322. CERTAIN FOODS. ARNOLD VAN ERP, Oakland, Calif.
Filed December 9, 1922. Serial No. 173,154. PUBLISHED JUNE 26, 1923.

173,323. CERTAIN NAMED TOILET PREPARATIONS. LOUIS PHILIPPE, INC., New York, N. Y.
Filed December 8, 1922. Serial No. 173,105. PUBLISHED JUNE 26, 1923.

173,324. CERTAIN NAMED PIECE GOODS. BENTLEY & TWOHEY SILK CO., Newton, N. J., and New York, N. Y.
Filed November 18, 1922. Serial No. 172,197. PUBLISHED JUNE 26, 1923.

173,325. MEDICINAL OIL FOR TREATMENT OF KIDNEY, LIVER, BLADDER, RHEUMATISM, AND URIC-ACID TROUBLES. NACHEM JAKOBS, doing business as Netherlands Haarlem Oil Manufacturing Company, Philadelphia, Pa.
Filed November 14, 1922. Serial No. 171,998. PUBLISHED JUNE 26, 1923.

173,326. ATHLETIC UNDERWEAR AND PYJAMAS OF KNITTED AND TEXTILE FABRICS FOR MEN AND BOYS AND DRESS, NEGLIGEE, AND WORK SHIRTS FOR MEN AND BOYS. EXCELSIOR UNDERWEAR CO. INC., New York, N. Y.
Filed November 13, 1922. Serial No. 171,910. PUBLISHED JULY 3, 1923.

173,327. OVERALLS. SHAMROCK OVERALL MFG. CO., Louisville, Ky.
Filed November 7, 1922. Serial No. 171,710. PUBLISHED JUNE 26, 1923.

173,328. PHARMACEUTICAL PREPARATIONS USED AS MEDICINES FOR THE TREATMENT OF DIABETES, GLYCOSURIA, AND SIMILAR DISEASES. VALENTINO BALDACCI, doing business as Laboratorio Chimico Farmaceutico V. Baldacci, Pisa, Italy.
Filed November 7, 1922. Serial No. 171,703. PUBLISHED JUNE 26, 1923.

173,329. FRESH APPLES. WILLIAM EMMETT ROCHE, doing business as The Roche Fruit and Produce Co., Yakima, Wash.
Filed November 3, 1922. Serial No. 171,552. PUBLISHED JUNE 26, 1923.

173,330. COMPOUND FOR THE TREATMENT OF CANCERS. PARRETT AND SWANK, North Manchester, Ind.
Filed November 3, 1922. Serial No. 171,548. PUBLISHED JUNE 26, 1923.

173,331. HOSIERY AND MEN'S KNITTED AND TEXTILE FABRIC UNDERWEAR. W. R. GRACE & CO., New York, N. Y., and San Francisco, Calif.
Filed October 27, 1922. Serial No. 171,270. PUBLISHED JUNE 26, 1923.

173,332. CHILDREN'S, BOYS', STUDENTS', AND YOUNG MEN'S SUITS AND TOPCOATS. BEST-MAKE BOYS CLOTHING CO., INC., New York, N. Y.
Filed October 26, 1922. Serial No. 171,199. PUBLISHED JUNE 19, 1923.

173,333. PREPARATION FOR THE TREATMENT OF CANCER. MIKE GEORGE PETRICH, Cleveland, Ohio.
Filed October 25, 1922. Serial No. 171,187. PUBLISHED JUNE 26, 1923.

173,334. KNICKERBOCKERS OR BLOOMERS TO BE WORN AS OUTER GARMENTS OR UNDERGARMENTS. KENILWORTH MANUFACTURING CO. INC., New York, N. Y.
Filed October 18, 1922. Serial No. 170,887. PUBLISHED JUNE 26, 1923.

173,335. HOSIERY, SUSPENDERS, GARTERS, ARM BANDS; UNDERWEAR OF KNITTED AND TEXTILE FABRICS FOR MEN, WOMEN, AND CHILDREN; WORK SHIRTS, BELTS AND GLOVES OF LEATHER, FABRIC, AND OF LEATHER AND FABRIC COMBINED. BENNIE COHN, Los Angeles, Calif.
Filed September 26, 1922. Serial No. 169,949. PUBLISHED JUNE 26, 1923.

173,336. SCRATCH FOOD FOR FOWL. T. W. WOOD & SONS, Richmond, Va.
Filed August 3, 1922. Serial No. 167,792. PUBLISHED MARCH 20, 1923.

173,337. KHAKI, CORDUROY, AND WORSTED PANTS. NATHAN ROTHMAN, doing business as Rough Rider Manufacturing Company, San Francisco, Calif.
Filed July 17, 1922. Serial No. 167,019. PUBLISHED JUNE 19, 1923.

173,338. BRASSIÈRES AND WOMEN'S KNITTED AND TEXTILE UNDERWEAR. MADAME IRENE, New York, N. Y.
Filed December 18, 1922. Serial No. 173,498. PUBLISHED JUNE 26, 1923.

173,339. MEDICINE USED IN THE TREATMENT OF PILES AND FLATULENCY. DANTE PISTOIA, San Francisco, Calif.
Filed December 13, 1922. Serial No. 173,298. PUBLISHED MAY 1, 1923.

173,340. SPECIALLY-PREPARED FOOD FOR INFANTS. MEAD JOHNSON & CO., Evansville, Ind.
Filed November 13, 1922. Serial No. 171,939. PUBLISHED JUNE 26, 1923.

173,341. CHILDREN'S CLOAKS AND CAPES. SHONINGER-HEINSHEIMER MANUFACTURING CO., Chicago, Ill.
Filed November 13, 1922. Serial No. 171,963. PUBLISHED JULY 3, 1923.

173,342. CANNED FRUITS AND VEGETABLES. ATASCADERO FRUIT EXCHANGE, Atascadero, Calif.
Filed October 28, 1922. Serial No. 171,346. PUBLISHED JUNE 26, 1923.

173,343. COTTON PIECE GOODS. KLEIN-MESSNER CO., INC., New York, N. Y.
Filed October 28, 1922. Serial No. 171,331. PUBLISHED JUNE 26, 1923.

173,344. CANNED FRUITS. KINGS COUNTY PACKING CO., Armona, Calif.
Filed October 28, 1922. Serial No. 171,329. PUBLISHED JUNE 26, 1923.

173,345. CANNED AND PRESERVED FIGS, CANNED FRUITS, AND CANNED VEGETABLES. KINGS COUNTY PACKING CO., Armona, Calif.
Filed October 28, 1922. Serial No. 171,328. PUBLISHED JUNE 26, 1923.

173,346. HOSIERY, UNDERWEAR OF KNITTED OR TEXTILE FABRIC FOR MEN, WOMEN, AND CHILDREN, AND OUTER GARMENTS CONSISTING OF DRESSES, SKIRTS, AND SWEATERS. MAY HOSIERY MILLS, INCORPORATED, Burlington, N. C.
Filed October 11, 1922. Serial No. 170,589. PUBLISHED JUNE 26, 1923.

173,347. CANDY. THE GEORGE CLOSE CO., Cambridge, Mass.
Filed October 11, 1922. Serial No. 170,561. PUBLISHED JUNE 26, 1923.

173,348. CERTAIN NAMED CLOTHING. FRANKLIN SIMON & CO. INC., New York, N. Y.
Filed October 7, 1922. Serial No. 170,431. PUBLISHED JUNE 26, 1923.

173,349. CERTAIN MEDICINAL AND TOILET PREPARATIONS. OSWALD SEIFERT, Salt Lake City, Utah.
Filed September 12, 1922. Serial No. 169,376. PUBLISHED JUNE 26, 1923.

173,350. COMPOUND SIRUPS, COMPOUND EXTRACT OF COCA LEAVES AND KOLA NUTS. WILLIAM G. ROBBINS, doing business as Webber Chemical Co., Los Angeles, Calif.
Filed September 9, 1922. Serial No. 169,257. PUBLISHED JUNE 26, 1923.

173,351. CANNED PEPPERS. ALFRED SCHRATTER, doing business as Schratter Brothers, New York, N. Y.
Filed December 15, 1920. Serial No. 141,134. PUBLISHED JUNE 26, 1923.

173,352. NOODLES. CHARLES FOLTZER, doing business as French Swiss Noodle Company, Cincinnati, Ohio.
Filed July 5, 1922. Serial No. 166,503. PUBLISHED JUNE 26, 1923.

173,353. RYE BREAKFAST CEREAL. MARK C. ELY, doing business as Vita Products Company, Butte and Clancey, Mont.
Filed July 1, 1922. Serial No. 166,357. PUBLISHED MARCH 20, 1923.

173,354. PEANUTS AND ALL KINDS OF NUT MEATS AND NUT PRODUCTS. C. A. COARI, doing business as Coari Peanut Products Co., Chicago, Ill.
Filed April 26, 1922. Serial No. 162,917. PUBLISHED JUNE 26, 1923.

173,355. COTTON PIECE GOODS CONTAINING SILK STRIPE. VOSS & STERN, New York, N. Y.
Filed March 7, 1922. Serial No. 160,318. PUBLISHED JUNE 26, 1923.

173,356. COTTON PIECE GOODS. VOSS & STERN, New York, N. Y.
Filed March 7, 1922. Serial No. 160,312. PUBLISHED JUNE 26, 1923.

173,357. PILE FABRICS IN THE PIECE. THE SALT'S TEXTILE MANUFACTURING COMPANY, Bridgeport, Conn., and New York, N. Y.
Filed February 9, 1922. Serial No. 159,118. PUBLISHED JUNE 26, 1923.

173,358. CANDY AND CHOCOLATES IN BOXES AND BULK. ELIC A. HOFFMAN, doing business as E. A. Hoffman Candy Co., also as Hoffman's, Los Angeles, Calif.
Filed February 8, 1922. Serial No. 159,024. PUBLISHED JUNE 26, 1923.

173,359. CERTAIN NAMED PIECE GOODS. THE SCHWARZENBACH HUBER COMPANY, West Hoboken, N. J.
Filed May 3, 1923. Serial No. 180,145. PUBLISHED JULY 3, 1923.

173,360. COTTON PIECE GOODS. PACIFIC MILLS, Lawrence and Boston, Mass.
Filed May 3, 1923. Serial No. 180,139. PUBLISHED JULY 3, 1923.

173,361. COTTON PIECE GOODS. WILTON MANUFACTURING COMPANY, INC., New York, N. Y.
Filed May 1, 1923. Serial No. 180,039. PUBLISHED JULY 3, 1923.

173,362. CERTAIN NAMED PIECE GOODS. WALTHER MANUFACTURING CO., Philadelphia, Pa.
Filed April 28, 1923. Serial No. 179,902. PUBLISHED JULY 3, 1923.

173,363. WOVEN AND KNITTED TEXTILE FABRICS AND COTTON AND WOOL PIECE GOODS. KNITTED TEXTILES CORPORATION, New York, N. Y., and Allentown, Pa.
Filed April 27, 1923. Serial No. 179,799. PUBLISHED JULY 3, 1923.

173,364. WOVEN AND KNITTED TEXTILE FABRICS AND COTTON AND WOOL PIECE GOODS. KNITTED TEXTILES CORPORATION, New York, N. Y., and Allentown, Pa.
Filed April 27, 1923. Serial No. 179,798. PUBLISHED JULY 3, 1923.

173,365. NETTED OR WIDE-MESH FABRICS. JAMES THOMPSON & CO., New York, N. Y.
Filed April 24, 1923. Serial No. 179,631. PUBLISHED JULY 3, 1923.

173,366. CERTAIN COTTON PIECE GOODS. NEUSS, HESSLEIN & CO., INC., New York, N. Y.
Filed April 24, 1923. Serial No. 179,620. PUBLISHED JULY 3, 1923.

173,367. COTTON PIECE GOODS. KEMMER, UPMANN & CO., New York, N. Y.
Filed April 24, 1923. Serial No. 179,608. PUBLISHED JULY 3, 1923.

173,368. CERTAIN NAMED PIECE GOODS. WALTHER MANUFACTURING CO., Philadelphia, Pa.
Filed April 25, 1923. Serial No. 179,569. PUBLISHED JULY 3, 1923.

173,369. COTTON FABRICS. FRIEDMAN & KRIEGER, New York, N. Y.
Filed April 23, 1923. Serial No. 179,528. PUBLISHED JULY 3, 1923.

173,370. COTTON GOODS, SILK AND COTTON FABRIC, AND SILK GOODS IN THE PIECE. EMILE MEYER, New York, N. Y.
Filed April 7, 1923. Serial No. 178,764. PUBLISHED MAY 22, 1923.

173,371. MEN'S, WOMEN'S, AND CHILDREN'S ATHLETIC UNDERWEAR AND KNITTED UNDERWEAR. RITEWEB MANUFACTURING COMPANY, INC., Yonkers, N. Y.
Filed March 29, 1923. Serial No. 178,286. PUBLISHED JULY 10, 1923.

173,372. HOSIERY, SWEATERS, AND KNITTED UNDERWEAR FOR MEN, WOMEN, AND CHILDREN. ARMIN H. WITTENBERG, doing business as Mission Hosiery Mills, Los Angeles, Calif.
Filed March 29, 1923. Serial No. 178,321. PUBLISHED JULY 10, 1923.

173,373. MEN'S, WOMEN'S, AND CHILDREN'S ATHLETIC UNDERWEAR AND KNITTED UNDERWEAR. RITEWEB MANUFACTURING COMPANY, INC., Yonkers, N. Y.
Filed March 29, 1923. Serial No. 178,285. PUBLISHED JULY 10, 1923.

173,374. COTTON BACK SATIN IN THE PIECE. THE SCHWARZENBACH HUBER COMPANY, West Hoboken, N. J.
Filed May 3, 1923. Serial No. 180,146. PUBLISHED JULY 3, 1923.

173,375. POWDERED MILK AND BABY FOODS. FRASER MILK PRODUCTS CO., INC., Fraser, N. Y.
Filed March 15, 1923. Serial No. 177,480. PUBLISHED JULY 10, 1923.

173,376. MARMALADE, JAMS, AND PRESERVED FRUITS. THOMAS K. MOTT, Los Angeles, Calif.
Filed March 2, 1923. Serial No. 176,850. PUBLISHED JULY 3, 1923.

173,377. CANDY. PLANTERS NUT & CHOCOLATE COMPANY, Wilkes-Barre, Pa.
Filed February 24, 1923. Serial No. 176,567. PUBLISHED JULY 3, 1923.

173,378. BRAZIL NUTS IN THEIR RAW STATE. THE UNITED FIG & DATE COMPANY, Chicago, Ill.
Filed February 19, 1923. Serial No. 176,298. PUBLISHED JULY 3, 1923.

173,379. FLAVORED SUGAR TABLETS. MILLS NOVELTY COMPANY, Chicago, Ill.
Filed January 29, 1923. Serial No. 175,260. PUBLISHED JULY 3, 1923.

173,380. MANUFACTURED TEXTILE FABRICS OF SILK, WOOL, COTTON, AND MIXTURES OF THE SAME. ASSOCIATED TEXTILE MANUFACTURERS, INC., New York, N. Y.
Filed January 29, 1923. Serial No. 175,232. PUBLISHED APRIL 17, 1923.

173,381. FISH CAKES AND CANNED FISH. MIYAKICHI KUMAMOTO, doing business as Kumamoto Fish Co., Seattle, Wash.
Filed January 24, 1923. Serial No. 175,015. PUBLISHED JULY 3, 1923.

173,382. COFFEE. VAUGHN GROCERY COMPANY, Winston-Salem, N. C.
Filed January 22, 1923. Serial No. 174,948. PUBLISHED JULY 3, 1923.

173,383. LADIES', MISSES', AND GIRLS' SUITS, DRESSES, SKIRTS, COATS, WAISTS, SWEATERS, RIDING HABITS, KNICKERBOCKERS, BATHING SUITS, SCARFS, STOCKINGS, ALL-LEATHER GLOVES AND GLOVES OF ALL FABRIC AND GLOVES OF COMBINED LEATHER AND FABRIC, AND HATS. JULIUS GARFINKLE, doing business as Julius Garfinkle & Co., Washington, D. C.
Filed January 9, 1923. Serial No. 174,362. PUBLISHED JULY 10, 1923.

173,384. FRESH CANTALOUPES. MILLER-CUMMINGS COMPANY, INC., New York, N. Y.
Filed December 16, 1922. Serial No. 173,436. PUBLISHED JULY 3, 1923.

173,385. FRESH CANTALOUPES, FRESH CASABA MELONS, FRESH HONEY-DEW MELONS, FRESH GRAPES, FRESH LETTUCE, AND FRESH TOMATOES. MILLER-CUMMINGS COMPANY, INC., New York, N. Y.
Filed December 16, 1922. Serial No. 173,435. PUBLISHED JULY 3, 1923.

173,386. CANNED TUNNY FISH. SEACOAST CANNING COMPANY, Eastport, Me.
Filed December 13, 1922. Serial No. 173,303. PUBLISHED JULY 3, 1923.

173,387. FINISHED OR PRINTED COTTON PIECE GOODS. COHN HALL MARX CO., New York, N. Y.
Filed December 13, 1922. Serial No. 173,278. PUBLISHED MARCH 20, 1923.

173,388. CIGARS. RUY LOPEZ CO., New York, N. Y.
Filed December 1, 1922. Serial No. 172,772. PUBLISHED MARCH 20, 1923.

173,389. BACON, HAM, BREAKFAST-BACON SQUARES. SCHAFFNER BROTHERS COMPANY, Erie, Pa.
Filed September 25, 1922. Serial No. 169,929. PUBLISHED JULY 3, 1923.

173,390. CHEWING GUM. RICHARD H. COBB, doing business as The Yeast-O-Mint Co., Cleveland, Ohio.
Filed November 10, 1921. Serial No. 155,253. PUBLISHED JULY 3, 1923.

173,391. COTTON PIECE GOODS. NAUMKEAG STEAM COTTON CO., Salem, Mass.
Filed May 12, 1922. Serial No. 163,761. PUBLISHED JANUARY 9, 1923.

173,392. GRAPE-FLAVORED SIRUP FOR FOOD PURPOSES. THE QUEEN CITY EXTRACT COMPANY, Cincinnati, Ohio.
Filed May 9, 1922. Serial No. 163,595. PUBLISHED JULY 3, 1923.

173,393. CHOCOLATE CANDIES. CLINTON COPELAND CO., Burlington, Iowa.
Filed April 19, 1922. Serial No. 162,532. PUBLISHED JULY 3, 1923.

173,394. MEN'S, WOMEN'S, AND CHILDREN'S HOSIERY. JOHN A. CUSTER, doing business as Telltale Hosiery Co., Lansdale, Pa.
Filed March 29, 1923. Serial No. 178,227. PUBLISHED JULY 10, 1923.

173,395. LADIES' HOSIERY OF SILK, COTTON, AND COMBINATION OF SILK AND COTTON. BEN LEVENE INC., New York, N. Y.
Filed December 16, 1922. Serial No. 173,395. PUBLISHED JUNE 26, 1923.

173,396. POLISH FOR FURNITURE AND VARNISHED SURFACES. HAMILTON D. HEAD, doing business as Excelo Manufacturing Company, Texarkana, Tex.
Filed December 22, 1922. Serial No. 173,705. PUBLISHED JUNE 19, 1923.

173,397. OVERCOATS FOR MEN, WOMEN, AND CHILDREN. RHODES & RIPLEY CLOTHING COMPANY, Boston, Mass.
Filed December 22, 1922. Serial No. 173,724. PUBLISHED JUNE 26, 1923.

173,398. DRAWING PLASTER. THE RED-O-LED PLASTER CO., Morgantown, W. Va.
Filed January 19, 1923. Serial No. 174,799. PUBLISHED JUNE 26, 1923.

173,399. SWEATERS, DRESSES, BATHING SUITS, MUFFLERS, KNITTED GLOVES, STOCKINGS, HATS FOR WOMEN AND CHILDREN, SCARFS, NECKTIES, AND CAPS FOR MEN. MENGART KNITTING MILLS, New York, N. Y.
Filed January 26, 1923. Serial No. 175,149. PUBLISHED JUNE 26, 1923.

173,400. CANDY BOXES, WRAPPERS, AND RECEPTACLES MADE OF PAPER, CARDBOARD, AND WOOD. THE PUP TOYS COMPANY, Chicago, Ill.
Filed January 26, 1923. Serial No. 175,159. PUBLISHED JUNE 19, 1923.

173,401. SPECIALLY-PREPARED SHELLAC PRODUCTS. LOUIS FRANCIS CASSOFF, doing business as Central Shellac Works, Brooklyn, N. Y.
Filed January 31, 1923. Serial No. 175,343. PUBLISHED JUNE 19, 1923.

173,402. COIN PURSES; POCKETBOOKS FOR MEN, WOMEN, AND CHILDREN; LADIES' HAND BAGS; ROLL-UPS FOR CARRYING TOILET ARTICLES, MANICURE IMPLEMENTS, SEWING MATERIALS, ETC. E. J. WILKINS CO., Gloversville, N. Y.
Filed February 2, 1923. Serial No. 175,448. PUBLISHED JUNE 19, 1923.

173,403. TRANSFORMER OIL. STANDARD OIL COMPANY (INCORPORATED IN NEW JERSEY), Bayonne, N. J.
Filed February 8, 1923. Serial No. 175,747. PUBLISHED JUNE 26, 1923.

173,404. PREPARATION FOR USE IN REMOVING DISCOLORATION FROM THE TEETH. J. HARVEY FOOTE, doing business as Stain-Off Company, Burlington, Vt.
Filed February 10, 1923. Serial No. 175,856. PUBLISHED JUNE 26, 1923.

173,405. COFFEE. HAAS-LIEBER GROCERY CO., St. Louis, Mo.
Filed February 10, 1923. Serial No. 175,863. PUBLISHED JUNE 26, 1923.

173,406. CANNED FISH. COAST FISHING COMPANY INCORPORATED, Wilmington, Calif.
Filed February 20, 1923. Serial No. 176,327. PUBLISHED JUNE 26, 1923.

173,407. LUBRICATING OILS AND GREASES. REED OIL COMPANY, Rogers, Ark.
Filed February 20, 1923. Serial No. 176,366. PUBLISHED JUNE 19, 1923.

173,408. WOMEN'S DRESSES AND WAISTS. LARRY J. MARCULIES, New York, N. Y.
Filed March 3, 1923. Serial No. 176,902. PUBLISHED JUNE 26, 1923.

173,409. MEN'S AND BOYS' OUTER GARMENTS—NAMELY, OVERCOATS, SUITS, KNICKERBOCKERS, JACKETS, VESTS, COATS, TROUSERS. HARRY B. PLATT, New York, N. Y.
Filed March 3, 1923. Serial No. 176,916. PUBLISHED JUNE 26, 1923.

173,410. RED OXIDES. JOSEPH A. MCNULTY, New York, N. Y.
Filed March 19, 1923. Serial No. 177,684. PUBLISHED JUNE 19, 1923.

173,411. PRINTED AND PIECE-DYED SILK AND COTTON AND COTTON FABRICS. CLARENCE WHITMAN & SON, INC., Katonah and New York, N. Y.
Filed March 19, 1923. Serial No. 177,713. PUBLISHED JUNE 26, 1923.

173,412. FERTILIZERS. THE KRIPPENDORF-TUTTLE WHITE CLIFFS PRODUCTS CO., Cincinnati, Ohio.
Filed March 20, 1923. Serial No. 177,744. PUBLISHED JUNE 19, 1923.

173,413. MIXED LIQUID PAINTS. SENORA PAINT WORKS, INC., Long Island City, N. Y.
Filed March 20, 1923. Serial No. 177,752. PUBLISHED JUNE 19, 1923.

173,414. CERTAIN NAMED ELECTRIC THERAPEUTIC APPARATUS, ETC. RENULIFE ELECTRIC CO., Detroit, Mich.
Filed March 28, 1923. Serial No. 178,193. PUBLISHED JUNE 19, 1923.

173,415. HAT LININGS. EMILE BOUTON, Paris, France.
Filed March 30, 1921. Serial No. 145,430. PUBLISHED JUNE 19, 1923.

173,416. NONENAMELED DISH PANS. WILLIAM H. HENDRICKS, doing business as Daisy Dish Pan Company, New Haven, Conn.
Filed September 10, 1921. Serial No. 152,799. PUBLISHED JUNE 26, 1923.

173,417. INDICATING GAUGES, RECORDING GAUGES, INDICATING THERMOMETERS, RECORDING THERMOMETERS, ENGINE INDICATORS, REVOLUTION COUNTERS, AND GAUGE TESTERS. AMERICAN STEAM GAUGE & VALVE MANUFACTURING COMPANY, Boston, Mass.
Filed October 20, 1921. Serial No. 154,346. PUBLISHED JUNE 26, 1923.

173,418. COATS, WRAPS, CAPES, AND NECK PIECES. HARRY USWALD, Brooklyn, N. Y.
Filed November 10, 1921. Serial No. 155,280. PUBLISHED JUNE 19, 1923.

173,419. FUR COATS, WRAPS, CAPES, AND NECK PIECES. HARRY USWALD, Brooklyn, N. Y.
Filed November 10, 1921. Serial No. 155,281. PUBLISHED JUNE 19, 1923.

173,420. PISTONS. BERGUSON-SKINNER CORPORATION, Chicago, Ill.
Filed December 5, 1921. Serial No. 156,248. PUBLISHED JUNE 26, 1923.

173,421. GENERAL TONIC. JOHN C. NORFLETT, doing business as Royal Progressive Company, Brooklyn, N. Y.
Filed December 5, 1921. Serial No. 156,290. PUBLISHED JUNE 26, 1923.

173,422. HOSIERY. GREENWALD BROTHERS INCORPORATED, Philadelphia, Pa.
Filed December 22, 1921. Serial No. 157,032. PUBLISHED JUNE 26, 1923.

173,423. FOUNTAIN PENS. W. A. SHEAFFER PEN COMPANY, Fort Madison, Iowa.
Filed December 27, 1921. Serial No. 157,185. PUBLISHED JUNE 26, 1923.

173,424. LABORATORY APPARATUS AND PARTS OF SUCH APPARATUS. SOMMER & RUNGE, Berlin, Germany.
Filed December 30, 1921. Serial No. 157,336. PUBLISHED JUNE 26, 1923.

173,425. SODIUM SILICATE. PHILADELPHIA QUARTZ COMPANY, Philadelphia, Pa.
Filed February 1, 1922. Serial No. 158,727. PUBLISHED JUNE 26, 1923.

173,426. MEDICINE FOR THE TREATMENT OF IMPOTENCE AND FRIGIDITY. EMILY R. WEISBERG, doing business as Evol Chemical Company, New York, N. Y.
Filed February 7, 1922. Serial No. 159,004. PUBLISHED JUNE 26, 1923.

173,427. LADIES' AND MISSES' APRONS AND HOUSE DRESSES. FOREST CITY MANUFACTURING COMPANY, St. Louis, Mo.
Filed April 17, 1922. Serial No. 162,397. PUBLISHED JUNE 26, 1923.

173,428. COLD CREAM HAVING VANISHING QUALITIES. AXEL U. STERNLOF, Worcester, Mass.
Filed April 22, 1922. Serial No. 162,775. PUBLISHED JUNE 26, 1923.

173,429. TURPENTINE SUBSTITUTE. GEORGE WILLS AND SONS, LTD., London, England, and San Francisco, Calif.
Filed May 1, 1922. Serial No. 163,160. PUBLISHED JUNE 26, 1923.

173,430. HOSIERY. THE POWELL KNITTING COMPANY, Philadelphia, Pa.
Filed June 29, 1922. Serial No. 166,250. PUBLISHED JUNE 19, 1923.

173,431. SUCKER RODS. THE S. M. JONES COMPANY, Toledo, Ohio.
Filed May 15, 1922. Serial No. 163,876. PUBLISHED DECEMBER 19, 1922.

173,432. TABLETS FOR COLDS, COUGHS, LA GRIPPE, HEADACHE, AND NEURALGIA. THE STANDARD MEDICAL SOCIETY, INC., Baltimore, Md.
Filed June 30, 1922. Serial No. 166,326. PUBLISHED JUNE 26, 1923.

173,433. SHOVELS, SPADES, SCOOPS, POSTHOLE DIGGERS, AND WOODEN HANDLES. BALDWIN TOOL WORKS, Parkersburg, W. Va.
Filed July 10, 1922. Serial No. 166,645. PUBLISHED JANUARY 23, 1923.

173,434. SCREWS, NUTS, BOLTS, RIVETS, NAILS, ETC. GUEST, KEEN & NETTLEFOLDS LIMITED, Smethwick, England.
Filed July 10, 1922. Serial No. 166,683. PUBLISHED JUNE 26, 1923.

173,435. WOMEN'S, MISSES', AND CHILDREN'S COATS, SKIRTS, AND SUITS. BARRIST & CO., Philadelphia, Pa.
Filed January 19, 1923. Serial No. 174,764. PUBLISHED JUNE 26, 1923.

173,436. UNDERWEAR OF TEXTILE MATERIAL FOR WOMEN AND GIRLS—NAMELY, SILK GOWNS, BODICES, BLOOMERS, AND CHEMISES. RALPH S. PHILIPS, New York, N. Y.
Filed January 18, 1923. Serial No. 174,750. PUBLISHED JUNE 26, 1923.

173,437. SOCKS FOR BOOTS AND SHOES. THORNLEY AND BOOTH LIMITED, Hyde, England.
Filed January 15, 1923. Serial No. 174,643. PUBLISHED JUNE 19, 1923.

173,438. CERTAIN TOILET PREPARATIONS. PARFUMERIE ROGER & GALLET, Paris, France.
Filed January 13, 1923. Serial No. 174,590. PUBLISHED JUNE 26, 1923.

173,439. WRITING PAPER (MONOGRAM LINEN). THE CINCINNATI CORDAGE & PAPER CO., Cincinnati, Ohio.
Filed January 13, 1923. Serial No. 174,556. PUBLISHED JUNE 26, 1923.

173,440. BRASSIÈRES. BIRDSEY SOMERS COMPANY, New York, N. Y.
Filed January 12, 1923. Serial No. 174,532. PUBLISHED JUNE 26, 1923.

173,441. PENCILS, PENS, LEADS, AND ERASERS. INGERSOLL REDIPOINT COMPANY, INC., New York, N. Y.
Filed January 11, 1923. Serial No. 174,451. PUBLISHED JUNE 26, 1923.

173,442. INTESTINAL REGULATOR. JOHN OSMAN, Atlanta, Ga.
Filed January 10, 1923. Serial No. 174,407. PUBLISHED JUNE 26, 1923.

173,443. CERTAIN NAMED TOILET PREPARATIONS. YARDLEY & CO., LIMITED, London, England.
Filed January 9, 1923. Serial No. 174,376. PUBLISHED JUNE 26, 1923.

173,444. CERTAIN NAMED TOILET PREPARATIONS. E. DALTROFF & CIE., doing business as Parfumerie Caron, Paris, France, assignor to Caron Corporation, a Corporation of New York.
Filed December 27, 1922. Serial No. 173,875. PUBLISHED JUNE 26, 1923.

173,445. WINTER-PRESSED COTTONSEED SALAD OIL FLAVORED WITH PURE OLIVE OIL. ABRAHAM GASH, New York, N. Y.
Filed December 26, 1922. Serial No. 173,819. PUBLISHED JUNE 26, 1923.

173,446. MEN'S, WOMEN'S, AND CHILDREN'S SILK AND COTTON HOSIERY, BOTH FULL FASHIONED AND SEAMLESS, ALSO MEN'S CROCHET AND KNITTED NECKWEAR, SUCH AS NECKTIES, SCARFS, AND CRAVATS. FEDERAL KNITTING COMPANY, INC., Philadelphia, Pa.
Filed December 23, 1922. Serial No. 173,762. PUBLISHED JUNE 26, 1923.

173,447. SPECIFIC VACCINE. ETABLISSEMENTS POULENC FRÈRES, Paris, France.
Filed December 23, 1922. Serial No. 173,750. PUBLISHED JUNE 26, 1923.

173,448. SPECIFIC VACCINE. ETABLISSEMENTS POULENC FRÈRES, Paris, France.
Filed December 23, 1922. Serial No. 173,749. PUBLISHED JUNE 26, 1923.

173,449. DOUBLE IODIDE OF QUININE AND BISMUTH. ETABLISSEMENTS POULENC FRÈRES, Paris, France.
Filed December 23, 1922. Serial No. 173,748. PUBLISHED JUNE 26, 1923.

173,450. SPECIFIC VACCINE. ETABLISSEMENTS POULENC FRÈRES, Paris, France.
Filed December 23, 1922. Serial No. 173,747. PUBLISHED JUNE 26, 1923.

173,451. SPECIFIC VACCINE. ETABLISSEMENTS POULENC FRÈRES, Paris, France.
Filed December 23, 1922. Serial No. 173,746. PUBLISHED JUNE 26, 1923.

173,452. SPECIFIC VACCINE. ETABLISSEMENTS POULENC FRÈRES, Paris, France.
Filed December 23, 1922. Serial No. 173,744. PUBLISHED JUNE 26, 1923.

173,453. RAINCOATS AND RAIN ARTICLES. STANDARD OILED CLOTHING CO., New York, N. Y.
Filed December 22, 1922. Serial No. 173,733. PUBLISHED JUNE 26, 1923.

173,454. RAINCOATS AND RAINPROOF MEN'S AND CHILDREN'S CLOTHING—NAMELY, OVERCOATS, COATS, VESTS, AND TROUSERS. LOUIS N. COHEN & CO., INC., New York, N. Y.
Filed December 19, 1922. Serial No. 173,564. PUBLISHED JUNE 26, 1923.

173,455. VANITY KITS AND CASES. BOVEE NOVELTY COMPANY, Chicago, Ill.
Filed March 30, 1923. Serial No. 178,325. PUBLISHED JUNE 19, 1923.

173,456. LUBRICATING OILS AND GREASES. THE WESTERN RESERVE OIL COMPANY, Cleveland, Ohio.
Filed March 30, 1923. Serial No. 178,366. PUBLISHED JUNE 19, 1923.

173,457. PACK SACKS, SADDLES, HORSE COLLARS, HARNESS, STORM BLANKETS, HORSE BLANKETS, AND VEHICLE ROBES, DOG COLLARS, AND WHIPS. MARSHALL-WELLS COMPANY, Duluth, Minn.
Filed April 3, 1923. Serial No. 178,533. PUBLISHED JUNE 19, 1923.

173,458. PASTES FOR PAINT PURPOSES. THE NEW JERSEY ZINC COMPANY, Newark and Franklin, N. J.
Filed March 31, 1923. Serial No. 178,402. PUBLISHED JUNE 19, 1923.

173,459. DENTAL BAND MATERIAL. BAKER & CO., INC., Newark, N. J.
Filed April 11, 1923. Serial No. 178,949. PUBLISHED JUNE 19, 1923.

173,460. DENTAL METAL. BAKER & CO., INC., Newark, N. J.
Filed April 11, 1923. Serial No. 178,951. PUBLISHED JUNE 19, 1923.

173,461. LUBRICATING OILS AND GREASES. CATO OIL AND GREASE CO., Oklahoma, Okla.
Filed April 18, 1923. Serial No. 179,294. PUBLISHED JUNE 19, 1923.

173,462. LIQUID MOTOR FUEL. BENZO-GAS MOTOR FUEL COMPANY, Kansas City, Mo.
Filed April 13, 1923. Serial No. 179,086. PUBLISHED JUNE 19, 1923.

173,463. PAPER TOILET-SEAT COVERS. JOHN L. SCHAEFER, New York, N. Y.
Filed April 25, 1923. Serial No. 179,683. PUBLISHED JUNE 19, 1923.

173,464. WRITING AND PRINTING PAPER AND MAILING ENVELOPES. AMERICAN WRITING PAPER COMPANY, Holyoke, Mass.
Filed April 26, 1923. Serial No. 179,701. PUBLISHED JUNE 19, 1923.

173,465. TRACING PAPER. JOHN D. CARDINELL, doing business as Cardinell Vellum Mfg. Co., Montclair, N. J.
Filed April 26, 1923. Serial No. 179,712. PUBLISHED JUNE 19, 1923.

173,466. TRACING PAPER. JOHN D. CARDINELL, doing business as Cardinell Vellum Mfg. Co., Montclair, N. J.
Filed April 26, 1923. Serial No. 179,713. PUBLISHED JUNE 19, 1923,

173,467. TOILET PAPER. WORTENDYKE MANUFACTURING CO., Richmond, Va.
Filed April 28, 1923. Serial No. 179,911. PUBLISHED JUNE 19, 1923.

173,468. LUBRICATING OILS AND GREASES. GRACE B. CARRAN, doing business as Central Petroleum Company, Cleveland, Ohio.
Filed April 30, 1923. Serial No. 179,927. PUBLISHED JUNE 26, 1923.

173,469. REFINED, SEMIREFINED, AND UNREFINED OILS. SINCLAIR REFINING COMPANY, Chicago, Ill.
Filed May 11, 1923. Serial No. 180,503. PUBLISHED JUNE 19, 1923.

173,470. CERTAIN NAMED MEDICINAL PREPARATION. STANDARD DRUG COMPANY, Los Angeles, Calif.
Filed February 19, 1923. Serial No. 176,289. PUBLISHED JUNE 19, 1923.

173,471. BAKING POWDER AND BAKING SODA. REID, MURDOCH & CO., Chicago, Ill.
Filed February 19, 1923. Serial No. 176,283. PUBLISHED JUNE 19, 1923.

173,472. TALCUM POWDER. FOLEY & COMPANY, Chicago, Ill.
Filed February 19, 1923. Serial No. 176,260. PUBLISHED JUNE 19, 1923.

173,473. COTTON PIECE GOODS. CHARLES L. POOR CO., New York, N. Y.
Filed February 17, 1923. Serial No. 176,214. PUBLISHED JUNE 26, 1923.

173,474. BLANK-FORM BOOKS. JEROME I. COOK, doing business as Research Advertising Bureau, St. Louis, Mo.
Filed February 17, 1923. Serial No. 176,165. PUBLISHED JUNE 19, 1923.

173,475. CANDIES. ALBERT BERNARD, New York, N. Y.
Filed February 17, 1923. Serial No. 176,156. PUBLISHED JUNE 19, 1923.

173,476. CANDIES. ALBERT BERNARD, New York, N. Y.
Filed February 17, 1923. Serial No. 176,155. PUBLISHED JUNE 19, 1923.

173,477. COTTON PIECE GOODS—NAMELY, NAINSOOK. CHARLES L. POOR CO., New York, N. Y.
Filed February 14, 1923. Serial No. 176,042. PUBLISHED JUNE 19, 1923.

173,478. FRESH CITROUS FRUITS AND FRESH VEGETABLES. ANDREWS BROTHERS COMPANY, INC., Pittsburgh, Pa.
Filed February 17, 1923. Serial No. 176,152. PUBLISHED MAY 15, 1923.

173,479. METAL ALLOYS OF COPPER, ZINC, AND NICKEL IN THE FORM OF SHEET METAL IN ROLLS, SHEETS, AND STRIPS; WIRE IN COILS, BLANKS, INGOTS, AND RODS IN RANDOM AND EXACT LENGTHS. THE SEYMOUR MANUFACTURING COMPANY, Seymour, Conn.
Filed February 12, 1923. Serial No. 175,956. PUBLISHED JUNE 19, 1923.

173,480. METALS—NAMELY, METAL ALLOYS OF COPPER, ZINC, AND NICKEL IN THE FORM OF TUBES AND SHELLS. THE SEYMOUR MANUFACTURING COMPANY, Seymour, Conn.
Filed February 12, 1923. Serial No. 175,955. PUBLISHED JUNE 12, 1923.

173,481. METALS—NAMELY, METAL ALLOYS OF COPPER, ZINC, AND NICKEL IN THE FORM OF TUBES AND SHELLS. THE SEYMOUR MANUFACTURING COMPANY, Seymour, Conn.
Filed February 12, 1923. Serial No. 175,963. PUBLISHED JUNE 19, 1923.

173,482. POTATOES IN THEIR NATURAL STATE. E. D. ASKEGAARD, Moorhead, Minn.
Filed February 12, 1923. Serial No. 175,911. PUBLISHED JUNE 19, 1923.

173,483. SALVES FOR SORES AND INFECTIONS, BLOOD POISONING, CUTS, BRUISES, SORE BONES, AND SKIN DISEASES. ALEXENDER ZIELINSKI, Trenton, N. J.
Filed February 10, 1923. Serial No. 175,905. PUBLISHED JUNE 19, 1923.

173,484. BILARY ANTISEPTIC. WILLIAM A. GRAHAM, doing business as Parkstone Laboratory, Chicago, Ill.
Filed February 10, 1923. Serial No. 175,862. PUBLISHED JUNE 26, 1923.

173,485. CERTAIN CABLE DRILLING TOOLS. FORT WORTH DRILLING TOOL COMPANY, Fort Worth, Tex.
Filed February 10, 1923. Serial No. 175,857. PUBLISHED JUNE 12, 1923.

173,486. CRAVATS, MUFFLERS, AND MEN'S LOUNGING ROBES. JOSEPH M. FEINSON, New York, N. Y.
Filed February 10, 1923. Serial No. 175,854. PUBLISHED JUNE 12, 1923.

173,487. SWEATERS AND SPORT COATS OF WOOL, COTTON, SILK, AND COMBINATIONS THEREOF. JACOB H. COHEN, doing business as Arrow Knitting Company, New York, N. Y.
Filed February 10, 1923. Serial No. 175,851. PUBLISHED JUNE 19, 1923.

173,488. NUT CEREAL FOOD. THE BATTLE CREEK FOOD COMPANY, Battle Creek, Mich.
Filed February 10, 1923. Serial No. 175,838. PUBLISHED JUNE 19, 1923.

173,489. CHEWING GUM. AMERICAN CHICLE COMPANY, Long Island City, N. Y.
Filed February 10, 1923. Serial No. 175,834. PUBLISHED JUNE 19, 1923.

173,490. WHEAT FLOUR. THE COLORADO MILLING & ELEVATOR CO., also doing business as The Mesa Flour Mills, Denver and Grand Junction, Colo.
Filed February 3, 1923. Serial No. 175,470. PUBLISHED JUNE 19, 1923.

173,491. SELF-RISING FLOUR. J. ALLEN SMITH & CO., Knoxville, Tenn.
Filed February 3, 1923. Serial No. 175,527. PUBLISHED JUNE 19, 1923.

173,492. HORSE AND MULE FEED, OX FEED, HOG FEED, SCRATCH FEED, AND DAIRY FEED. JOHN M. WILSON, doing business as Meridian Grain & Elevator Company, Meridian, Miss.
Filed February 3, 1923. Serial No. 175,536. PUBLISHED JUNE 19, 1923.

173,493. CANDIES. SAMSON CANDY COMPANY, Mechanicsburg, Pa.
Filed February 2, 1923. Serial No. 175,538. PUBLISHED JUNE 19, 1923.

173,494. HOSIERY. RICE-STIX DRY GOODS COMPANY, St. Louis, Mo.
Filed February 5, 1923. Serial No. 175,567. PUBLISHED JUNE 12, 1923.

173,495. COATS. UNITED STATES RUBBER COMPANY, New Brunswick, N. J., and New York, N. Y.
Filed February 5, 1923. Serial No. 175,580. PUBLISHED JUNE 19, 1923.

173,496. FRESH CITROUS FRUITS. LINDSAY CO-OPERATIVE CITRUS ASSOCIATION, Lindsay, Calif.
Filed February 6, 1923. Serial No. 175,609. PUBLISHED JUNE 19, 1923.

173,497. CANNED TOMATOES. VIRDEN PACKING COMPANY, San Francisco, Calif.
Filed February 6, 1923. Serial No. 175,633. PUBLISHED JUNE 19, 1923.

173,498. EVAPORATED MILK. LANGSTON L. LYONS, doing business as Yo! Mammy's Milk Co., St. Louis, Mo.
Filed February 7, 1923. Serial No. 175,668. PUBLISHED JUNE 19, 1923.

173,499. BREAD. SMITH & HOFSESS, El Dorado, Kans.
Filed February 7, 1923. Serial No. 175,682. PUBLISHED JUNE 19, 1923.

173,500. CEREAL BREAKFAST FOOD. THE BATTLE CREEK FOOD COMPANY, Battle Creek, Mich.
Filed February 8, 1923. Serial No. 175,701. PUBLISHED JUNE 19, 1923.

173,501. VEGETABLE FLAVORS FOR FOOD-FLAVORING PURPOSES. THE BATTLE CREEK FOOD COMPANY, Battle Creek, Mich.
Filed February 8, 1923. Serial No. 175,704. PUBLISHED JUNE 19, 1923.

173,502. CANDY. CHOCOLATE PRODUCTS COMPANY, Wilmington, Del., and Baltimore, Md.
Filed February 8, 1923. Serial No. 175,711. PUBLISHED JUNE 19, 1923.

173,503. SPOOL SILK. GUDEBROD BROS. SILK CO., New York, N. Y.
Filed February 9, 1923. Serial No. 175,785. PUBLISHED JUNE 26, 1923.

173,504. TEXTILE ARTICLES—NAMELY, HOSIERY. BEAR BRAND HOSIERY CO., Chicago, Ill.
Filed February 9, 1923. Serial No. 175,761. PUBLISHED JUNE 12, 1923.

173,505. BREAD. HALL BAKING CO., Buffalo, N. Y.
Filed February 9, 1923. Serial No. 175,787. PUBLISHED JUNE 19, 1923.

173,506. GENERAL GROCERIES. SOUTH BEND WHOLESALE GROCERY COMPANY, South Bend, Ind.
Filed February 9, 1923. Serial No. 175,814. PUBLISHED JUNE 19, 1923.

173,507. CANDY. SPANGLER CANDY CO., Bryan, Ohio.
Filed February 9, 1923. Serial No. 175,815. PUBLISHED JUNE 26, 1923.

173,508. MEN'S, WOMEN'S, AND CHILDREN'S HOSIERY. DAISY WHITEHEAD KNITTING CO., New York, N. Y.
Filed February 9, 1923. Serial No. 175,826. PUBLISHED JUNE 19, 1923.

173,509. TOOTH PASTE, COLD CREAM, TALCUM POWDER, AND PERFUME. JULIUS WILE SONS & CO., New York, N. Y.
Filed February 9, 1923. Serial No. 175,828. PUBLISHED JUNE 26, 1923.

[ACT OF MARCH 19, 1920, SEC. 1 (b)].

THESE REGISTRATIONS ARE NOT SUBJECT TO OPPOSITION.

173,510. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) WILLAMETTE VALLEY CANNERIES, INC., Portland, Oreg. Filed July 26, 1922. Serial No. 167,442.

WILLAMETTE

Particular description of goods.—Canned Fruits and Vegetables.
Claims use since July 7, 1922.

173,511. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) THE RELYEA SOAP CO., INC., Louisville, Ky. Filed Aug. 17, 1922. Serial No. 168,375.

COLORSET

Particular description of goods.—Preparation for Preventing the Running of Dyes in Fabrics During Washing.
Claims use since July 5, 1922.

173,512. (CLASS 39. CLOTHING.) ABRAHAM GREENSTONE, New York, N. Y. Filed Aug. 24, 1922. Serial No. 168,639.



Particular description of goods.—Men's and Boys' Dress and Negligee Shirts.
Claims use since July 1, 1922.

173,513. (CLASS 39. CLOTHING.) SCOTIA MILLS, INC., New York, N. Y. Filed Sept. 5, 1922. Serial No. 169,087.



Particular description of goods.—Men's, Women's, and Children's Wool, Cotton, and Silk Hosiery and Men's, Women's, and Children's Knitted, Muslin, and Silk Underwear.
Claims use since Apr. 15, 1922.

173,514. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) SEATTLE MACARONI MFG. CO. INC., Seattle, Wash. Filed Dec. 1, 1922. Serial No. 172,774.

NAPOLI BRAND

Particular description of goods.—Macaroni, Vermicelli, and Spaghetti.
Claims use since Nov. 1, 1921.

173,515. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) ROY NEWKIRK, Kansas City, Mo. Filed Jan. 2, 1923. Serial No. 174,097.

Brazilian Cookies

Particular description of goods.—Cookies.
Claims use since Dec. 1, 1921.

173,516. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) AMERICAN SCIENTIFIC LABORATORIES, INC., Chicago, Ill. Filed Jan. 20, 1923. Serial No. 174,811.

GALLI-CURA

Particular description of goods.—A Preparation for the Prevention and Treatment of Intestinal Disorders of Fowls.
Claims use since July, 1921.

173,517. (CLASS 38. PRINTS AND PUBLICATIONS.) THOMAS NELSON & SONS, New York, N. Y. Filed Feb. 19, 1923. Serial No. 176,273.

AMERICAN STANDARD BIBLE

Particular description of goods.—Bibles.
Claims use since July, 1906.

173,518. (CLASS 39. CLOTHING.) KORN BROTHERS, New York, N. Y. Filed Feb. 24, 1923. Serial No. 176,551.

YOUTHFUL-BILT
STOUTS

Particular description of goods.—Coats, Suits, and Skirts.
Claims use since Jan. 1, 1922.

173,519. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) INDIANAPOLIS ABATTOIR COMPANY, Indianapolis, Ind. Filed Mar. 13, 1923. Serial No. 177,381.

Fancy Brand

Particular description of goods.—Hams, Shoulders, Bacon, Sausage, Tongues, Dried Beef, Jowls, Butts, and Lard.
Claims use since 1912.

173,520. (CLASS 25. LOCKS AND SAFES.) LELAND LOCK COMPANY, Detroit, Mich. Filed Apr. 7, 1923. Serial No. 178,746.

LELAND

Particular description of goods.—Locks for Automobiles and Parts Thereof.
Claims use since May, 1919.

173,521. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) FRED BIFFAR, Chicago, Ill. Filed Dec. 29, 1919. Serial No. 126,611.

SURGEONS

Particular description of goods.—Pocketknives.
Claims use since Nov. 25, 1919.

173,522. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) THE DRYDEN CORPORATION, Oakland, Calif. Filed Aug. 2, 1921. Serial No. 151,260.

KREAM OF KREAM

Particular description of goods.—Ice Cream.
Claims use since Feb. 18, 1918.

173,523. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) ELMER CANDY CO. INC., New Orleans, La. Filed Dec. 7, 1921. Serial No. 156,363.

Elmer's

PICK O'SWEETS

Particular description of goods.—Candy.
Claims use since July 20, 1921.

173,524. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) DENIS THEODOROU, doing business as Denis Theodorou Hemorrhoidol Co., Bridgeport, Conn. Filed Mar. 28, 1922. Serial No. 161,394.

ELIXIRIUM
Hemorrhoidol

Particular description of goods.—Internal Remedies in Liquid Form for the Treatment of Hemorrhoids and Piles.
Claims use since on or about Jan. 5, 1921.

173,525. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) J. S. DUNLAP, Chicago, Ill. Filed Apr. 3, 1922. Serial No. 161,675.

DUNLAP

Particular description of goods.—Can Openers and Cap Lifters.
Claims use since Oct. 1, 1921.

173,526. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) THE NORWICH PHARMACAL COMPANY, Norwich, N. Y. Filed June 16, 1922. Serial No. 165,595.

NORWICH

Particular description of goods.—Alteratives, Analgesics, Anaphrodisiacs, Anæsthetics, Anodynes, Antacids, Anthelmintics, Antichlorotics, Antiemetics, Antiepileptics, Antigalactagogues, Antigonorrheics, Antihydrotics, Antilithics, Antineuralgics, Antiparasitics, Antiperiodics, Antiphlogistics, Antipyretics, Antirheumatics, Antiseptics, Antisialagogues, Antispasmodics, Antituberculars, Antizymotics, Aperients, Aphrodisiacs, Astringents, Cardiac Sedatives, Cardiac Stimulants, Carminatives, Cathartics, Caustics, Cerebral Depressants and Stimulants, Cholagogues, Cicatrizants, Constructives, Counterirritants, Demulcents, Deodorants, Deoxidizers, Depilatories, Depressants, Diaphoretics, Digestives, Discutients, Disinfectants, Diuretics, Ecbolics, Emetics, Emmenagogues, Errhines, Escharotics, Expectorants, Galactagogues, Gastric Tonics, Germicides, Hæmostatics, Hæmatinics, Hypnotics, Irritants, Laxatives, Motor Depressants, Motor Excitants, Mydriatics, Myotics, Narcotics, Nervines, Nutrients, Oxytocics, Parasiticides, Ptyalagogues, Purgatives, Pustulants; Refrigerants (Medicinal), Resolvents, Respiratory Depressants, Respiratory Stimulants, Restoratives, Rubefacients, Sedatives, Sialagogues, Soporifics, Sternutatories; Stimulants (Cardiac, Cerebral, Hepatic), Stomachics, Styptics, Sudorifics, Teniafuges, General Tonics, Vasoconstrictors, Vasodilators, Vascular Sedatives, Vermicides, Vesicants; Chemicals and Drugs—Namely, the Following: Acacia, Acetanilid, Acetone, Acetphenetidin; Acids—Namely, Acetic, Acetylsalicylic, Arsenous, Benzoic, Boric, Carbolic, Citric, Gallic, Hydriodic, Hydrochloric, Hypophosphorous, Lactic, Nitric, Nucleinic, Oleic, Oxalic, Phosphoric, Glacial Phosphoric, Picric, Salicylic, Stearic, Sulphuric, Tannic Tartaric; Aconite (Leaves and Root), Aconitine, Adeps Lanæ, Agaric, Agaricin, Alcohol, Aletris, Alfalfa, Aloes, Aloin, Althæa; Aluminum Compounds—Namely, the Following: Alum, Ammonium; Alum, Exsiccated; Aluminum Acetate, Sulphate; Amidopyrine; Ammonia and Ammonium Compounds—Namely, Ammonia Water; Ammonium Bromide, Carbonate, Chloride, Citrate, Hypophosphite, Iodide, Salicylate, Sulphoichthyolate, Valerate; Angelica Seed, Anise, Antimony Sulphide, Antimony Sulphureted; Antimony and Potassium Tartrate; Antipyrine, Apocynum, Apomorphine Hydrochloride, Aqua Ammonia, Arecoline Hydrobromide, Areca Nut, Arnica Flowers, Arnica Root, Aromatized Castor Oil; Arsenic Sulphide, Arsenic Tribromide, Arsenic Trioxide, Arsenous Iodide, Arsenous and Mercuric Iodides; Asafetida, Asclepias, Asparagus Seed, Aspidium, Atropine Sulphate; Balm Gilead Buds, Balsam Copaiba, Balsam Fir, Balsam Peru, Balsam Tolu; Bamboo Briar, Baptisia; Barium Compounds—Namely, Barium Chloride, Iodide, Sulphide; Bearberry, Belladonna, Benzyl Benzoate, Berberis Aquifolium, Berberine Hydrochloride, Benzoin, Betanaphthol, Betel Nut; Bismuth Compounds—Namely, Bismuth Milk; Bismuth Betanaphthol, Subcarbonate, Subgallate, Subnitrate, Subsalicylate; Bismuth and Ammonium Citrate; Bitter Apple, Black Cohosh, Black Haw, Black Hellebore, Black Indian Hemp, Bladder Wrack; Blaud Mass; Bloodroot, Blue Cohosh, Blue Flag, Blue Mass; Bole, Armenian; Boneset, Borax, Broom-Corn Seed, Broom Tops, Brucine, Buchu, Buckthorn, Bugle Weed, Burdock, Cocao Butter for Medicinal Purposes, Cactus, Caffeine; Caffeine, Citrated; Caffeine and Sodium Benzoate; Calabar Bean, Calamus; Calcium Compounds—Namely, Calcium Bromide, Carbonate, Chloride, Glycerophosphate, Hypophosphite, Iodide, Lactate, Lactophosphate, Oxide, Phenolsulphonate, Phosphate, Sulphate, Sulphide; Calendula, Calisaya Bark, Calomel, Calumba, Camphor; Camphor, Monobromated; Canella, Cannabis, Cantharides, Capsicum, Caraway Seed, Carbon Disulphide, Carbon Tetrachloride, Cardamom, Cardamom Compound; Cascara Sagrada, Cascarilla; Casein for Medicinal Purposes; Cassia Bark, Caulophyllum; Caustic Potash, Caustic Soda, Cerium Oxalate; Chalk, Precipitated; Chalk, Prepared; Camomile, Charcoal, Chelidonium, Chestnut Leaves, Chimaphila, Chionanthus; Chloral, Camphorated; Chloral, Hydrated; Chloramine T, Chloroform, Chromium Sulphate, Chrysarobin, Cimicifuga; Cinchona, Red; Cinchona Compound; Cinchonidia, Cinchonidine Sulphate; Cinchonine, Cinchonine Sulphate; Cinnamon, Cloves, Cocaine Hydrochloride, Cochineal, Cocillana; Codeine, Codeine Phosphate, Codeine Sulphate; Colchicine, Colchicine Salicylate; Colchicum (Corm and Seed), Cold

Cream, Collinsonia, Collodion, Colocynth, Columbo, Condurango, Conium, Convallaria; Copper Arsenite, Copper Citrate, Copper Sulphate; Coriander, Corn Silk, Corpus Luteum, Corrosive Sublimate, Cotton Root, Coumarin, Cramp Bark, Cranesbill, Cream Tartar, Creosote (Wood), Creosote Carbonate, Cresol, Cubeb, Cudbear, Culvers Root, Cypripedium, Damiana, Dandelion Root, Diacetylmorphine, Diastase from Malt, Dichloramine T, Diethylphthalate, Digitalin, Digitalis, Dioscorea, Dog Grass, Echinacea, Elaterium, Elecampane, Elder Flower; Emetine Hydrochloride, Epinephrin Chloride, Epsom Salt, Ergot, Eriodictyon, Erythroxylon, Eserine Salicylate, Eserine Sulphate, Ether; Ether, Acetic; Ethyl Chloride, Ethylene Dichloride, Eucalyptol, Eucalyptus, Euphorbia Pilulifera, Euphorbium, Fennel, Fenugreek, Flaxseed, Formaldehyde, Foxglove, Frangula, Fringe Tree, Gaduol, Gamboge, Garden Celandine, Gelsemium, Gentian, Gentian Compound, Geranium, Ginger for Medicinal Purposes, Glycerin, Glycerites, Glycyrrhiza (Licorice), Goldenseal, Gold Tribromide, Gold Iodide; Gold and Sodium Chloride; Gossypium, Grindelia, Guaiac, Guaiacol Carbonate, Gum Arabic, Gum Guaiac, Hawthorn Berries, Hellebore (Black and Green), Helonias, Hemoglobin, Henbane, Hepatica, Hexamethylenamine, Hops, Horehound, Horsenettle, Hydrangea, Hydrastine, Hydrastine Hydrochloride, Hydrastis, Hydrogen Peroxide, Hyoscine Hydrobromide; Hyoscyamine, Hyoscamine Hydrobromide, Hyoscamine Sulphate, Hyoscyamus, Hypodermic Tablets, Ichthyol, Inula, Iodine, Iodoform, Ipecac, Irish Moss; Iron and Iron Compounds—Namely, Iron Reduced, Iron Albuminated, Arsenate, Arsenite, Bromide, Cacodylate, Carbonate, Chloride, Citrate, Glycerophosphate, Hypophosphite, Iodide, Oxide, Peptonate, Pyrophosphate, Subcarbonate, Sulphate, Valerate; Iron and Ammonium Citrate, Iron and Manganese Peptonate, Iron and Quinine Citrate, Jaborandi, Jalap, Jamaica Dogwood, Juniper Berries; Kaolin, Medicinal; Kaolin Cataplasm; Kava-Kava, Kermes Mineral, Kino, Kola, Ladies' Slipper, Lanolin, Lappa; Lard, Benzoinated; Larkspur, Laudanum, Lavender Compound, Lead Acetate, Lead Carbonate, Lead Iodide; Lead Oxide, Yellow Lecithin, Lemon Peel for Medicinal Purposes, Licorice, Liferoot, Lily of the Valley, Lime for Medicinal Purposes; Lime, Chlorinated, Liquid Petroleum, Litharge; Lithium Salts—Namely, Lithium Benzoate, Bromide, Carbonate, Citrate, Salicylate; Liverwort, Lobelia, Magma Bismuth, Magma Magnesia; Magnesium Compounds—Namely, Magnesia, Calcined; Magnesium Carbonate, Oxide, Peroxide, Salicylate, Sulphate; Magnesium Creosote Sulphonate, Magnesium Guaiacol Sulphonate, Male Fern, Malt for Medicinal Purposes, Mandrake; Manganese Compounds—Namely, Manganese Citrate, Dioxide, Glycerophosphate, Hypophosphite, Iodide; Marigold, Marrubium, Mastic, Matico, Matricaria, Menthol; Mercury and Mercury Compounds—Namely, Mercury, Mercurous Chloride, Mercury Ammoniated; Mercury Iodide, Oxide, Oxycyanide, Salicylate, Tannate; Methylene Blue, Methyl Salicylate, Milk of Bismuth, Milk of Magnesia, Morphine, Morphine Diacetyl, Morphine Hydrochloride, Morphine Sulphate, Mullein, Musk Root, Mustard for Medicinal Purposes, Myrrh, Nickel Bromide, Nickel Sulphate, Nitroglycerin for Medicinal Purposes, Nuclein, Nutgall, Nutmeg for Medicinal Purposes, Nux Vomica; Oils for Medicinal Purposes—Namely, Oil Anise, Bitter Almond, Bay, Bergamot, Birch, Cade, Cajuput, Camphor, Camphorated, Caraway, Cardamom, Cassia, Castor; Castor, Aromatized; Cedarwood, Citronella, Cloves, Cocoanut, Cod Liver, Coriander, Corn, Cottonseed, Croton, Erigeron, Eucalyptus, Fennel, Geranium, Hemlock, Juniper, Lavender Flower, Lemon, Linseed, Locust Buds, Mineral, Mustard, Neroli, Nutmeg, Olive, Orange, Pennyroyal, Peppermint, Petroleum, Pimiento, Pine Needles, Pinus Sylvestris, Rose, Rosemary, Sandalwood, Sassafras, Savin, Tansy, Tar, Theobroma, Thuja, Thyme, Turpentine, Wintergreen; Oleoresins—Namely, Oleoresin Apiol, Capsicum, Cubeb, Ginger, Opium, Orange Peel for Medicinal Purposes, Orchic Substance, Orris Root, Ovarian Substance, Oxgall, Oxydendron, Pancreatin, Papain, Paraformaldehyde, Paraldehyde, Paregoric, Pareira, Parsley Seed, Pepper for Medicinal Purposes, Peppermint, Pepsin; Pepsin, Saccharated; Petrolatum, Phenolphthalein, Phenyl Salicylate (Salol), Phosphorus, Physostigma, Physostigmine Salicylate, Physostigmine Sulphate, Phytolacca, Pilocarpine Hydrochloride, Pilocarpine Salicylate, Pilocarpus, Pine Tar, Pink Root, Piperine, Pipsissewa, Pituitary Gland, Pleurisy Root, Podophyllin, Podophyllum, Poke Root; Potassium Compounds—Namely, Potassium Acetate, Arsenite, Bicarbonate, Bichromate, Bitartrate, Bromide, Carbonate, Chlorate, Citrate, Glycerophosphate, Hydroxide, Hypophosphite, Iodide, Nitrate, Permanganate; Potassium Creosote Sulphonate, Potassium Guaiacol Sulphonate, Potassium and Sodium Tartrate, Prickly Ash, Pulsatilla, Pumpkin Seed, Quassia, Quebracho, Quercus, Quillaja, Quinidine, Quinidine Sulphate; Quinine and Salts—Namely, Quinine; Quinine Arsenate, Arsenite, Bisulphate, Dihydrochloride, Glycerophosphate, Hydrobromide, Hydrochloride, Hypophosphite, Salicylate, Sulphate, Tannate, Valerate; Quinine and Urea Hydrochloride; Red Clover, Red Saunders, Rennin, Resin Guaiac, Resin Jalap, Resin Podophyllum, Resin Scammony, Resorcinol, Rhatany, Rhubarb, Rochelle Salt, Rue, Rumex, Saccharin, Saffron, Salicin, Salol, Sambucus, Sandalwood, Sandarac, Sanguinaria, Sanguinarine Nitrate, Santonin, Sarsaparilla, Sassafras, Saw Palmetto, Scammony, Scoparius, Scopola, Scopolamine Hydrobromide, Scutellaria, Seidlitz Powder, Senecio, Senega, Senna, Serpentaria, Seven Barks, Silver Nitrate, Silver Nucleinate, Skullcap, Skunk Cabbage, Snakeroot, Soapbark; Sodium Compounds—Namely, Sodium Arsenate, Benzoate, Bicarbonate, Bromide, Cacodylate, Carbonate, Chloride, Citrate, Formate, Glycerophosphate, Glycocholate, Hydroxide, Hypophosphite, Hyposulphite, Iodide, Nitrate, Nitrite; Oleate, Acid; Phenolsulphonate, Phosphate, Salicylate, Silicate, Succinate, Sulphate, Solanum, Sourwood, Sparteine Sulphate, Spearmint, Spigelia, Squaw Vine, Squill, Stargrass, Stillingia, Stone Root, Stramonium, Strontium Bromide, Strontium Salicylate, Strophanthin, Strophanthus; Strychnine and Salts—Namely, Strychnine; Strychnine Arsenate, Arsenite, Glycerophosphate, Hypophosphite, Nitrate, Phosphate, Sulphate, Valerate; Styrax, Sugar of Milk, Sulphonethylmethane, Sulphonmethane, Sulphur, Sumbul, Suprarenal Gland, Taraxacum, Tartar Emetic, Terebene, Terpin Hydrate, Thiosinamin, Thyme, Thymol, Thyroid Gland, Tonga, Tragacanth, Triticum, Turpentine, Uva-Ursi, Valerian, Vanilla Beans for Medicinal Purposes, Vanillin, Veratrum, Viburnum Opulus, Viburnum Prunifolium, Wahoo, White Oak, White Pine, White Precipitate, Wild-Cherry Bark, Wild Indigo, Wild Lettuce, Wild Yam, Witch-Hazel, Xanthorrhiza, Xanthoxylum, Yeast for Medicinal Purposes, Yellow Dock, Yellow Jasmine, Yellow Root, Yerba Santa, Yohimbine Hydrochloride, Zedoary; Zinc Compounds—Namely, Zinc Acetate, Bromide, Chloride, Oxide, Peroxide, Phenolsulphonate, Phosphate, Phosphide, Stearate, Sulphate, Valerate; Zingiber.

Claims use since June 26, 1915.

173,527. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) WEST & TUELL, Bisbee, Ariz. Filed June 17, 1922. Serial No. 165,649.

W. T.
(ANTI-PYORRHEA)

Particular description of goods.—A Medicinal Chewing Gum for Use in the Treatment of Pyorrhea and Other Diseases of the Mouth.

Claims use since Feb. 19, 1921.

173,528. (CLASS 24. LAUNDRY APPLIANCES AND MACHINES.) ISOPHENE G. BAILHACHE, doing business as The Dubblebord Company, San Francisco, Calif. Filed June 27, 1922. Serial No. 166,129.

Dubblebord

Particular description of goods.—Ironing Boards.

Claims use since Sept. 15, 1921.

173,529. (CLASS 37. PAPER AND STATIONERY.) H. P. ANDREWS PAPER COMPANY, New York, N. Y. Filed Aug. 31, 1922. Serial No. 168,911.

Glenbrook Bond

Particular description of goods.—Bond Paper.

Claims use since June, 1920.

173,530. (CLASS 37. PAPER AND STATIONERY.) THE HAMERSLEY MANUFACTURING COMPANY, New York, N. Y. Filed Sept. 5, 1922. Serial No. 169 057.

Hamersley's

Particular description of goods.—Wax Paper.

Claims use since Oct. 1, 1918.

173,531. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) DIRECT EQUIPMENT & ENGINEERING CORPORATION, New York, N. Y. Filed Sept. 8, 1922. Serial No. 169,203.

DIRECT SERVICE

Particular description of goods.—Bottle Filling and Washing Machines and Cork Pullers.

Claims use since July 15, 1922.

173,532. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) STONECUTTER MILLS COMPANY, Spindale, N. C. Filed Sept. 27, 1922. Serial No. 169,990.

SPINDALE

Particular description of goods.—Dress Ginghams in the Piece.

Claims use since Jan. 1, 1922.

173,533. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) ERCOLE H. LOCATELLI, doing business as Mattia Locatelli, New York, N. Y. Filed Dec. 8, 1922. Serial No. 173,095.



Particular description of goods.—Cheese.

Claims use since Aug. 14, 1914.

173,534. (CLASS 27. HOROLOGICAL INSTRUMENTS.) HENRY BLANK & COMPANY, Newark, N. J. Filed Feb. 3, 1923. Serial No. 175,460.

E. HUGUENIN

Particular description of goods.—Watches and Parts Thereof.

Claims use since about 1912.

173,535. (CLASS 27. HOROLOGICAL INSTRUMENTS.) HENRY BLANK & COMPANY, Newark, N. J. Filed Feb. 3, 1923. Serial No. 175,461.

CRESARROW WATCH CO

Particular description of goods.—Watches and Parts Thereof.

Claims use since abont 1912.

173,536. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) BENNER CHEMICAL COMPANY, Chicago, Ill. Filed Feb. 10, 1923. Serial No. 175,840.

SUPERIOR

Particular description of goods.—Nonsaponaceous Chemical Compounds, Known Technically as Modified Sodas and Neutral Sodas, Used for Cleaning and for Water-Softening Purposes.

Claims use since January, 1919.

173,537. (CLASS 37. PAPER AND STATIONERY.) STANDARD PAPER MANUFACTURING CO., Richmond, Va. Filed Feb. 10, 1923. Serial No. 175,891.

Brandon

Particular description of goods.—Bond Paper.
Claims use since July 1, 1922.

173,538. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) SHENANDOAH ABATTOIR CO., Shenandoah, Pa. Filed Feb. 17, 1923. Serial No. 176,220.



Particular description of goods.—Smoked Hams and Bacons, Boneless Ham Pressed and Cooked for Luncheons, Lard, Pickled Pigs' Feet, Pork Tails, Spare Ribs, Neck Bones, Pork Tongues, Hearts, Kidneys, and Trimmings.
Claims use since July 1, 1922.

173,539. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) VERMONT BAKING COMPANY, White River Junction, Vt. Filed Feb. 20, 1923. Serial No. 176,384.

SWEET WHEAT

Particular description of goods.—Bread.
Claims use since June 4, 1919.

173,540. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) DUPLAN SILK CORPORATION, New York, N. Y. Filed Apr. 11, 1923. Serial No. 178,972.

ALGERIAN

Particular description of goods.—Silk Piece Goods.
Claims use since July 10, 1922.

173,541. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) THE CAREY SALT CO., Hutchinson, Kans. Filed Jan. 29, 1921. Serial No. 142,921.



Particular description of goods.—Salt.
Claims use since 1901.

173,542. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) MORSE & CO., Oshkosh, Wis. Filed Feb. 16, 1921. Serial No. 143,651.

MORSE

Particular description of goods.—Antiseptic Scalp Cream.
Claims use since Jan. 3, 1921.

173,543. (CLASS 4. ABRASIVE, DETERGENT, AND POLISHING MATERIALS.) ELMER F. BERNHARD, South Bend, Ind. Filed Apr. 18, 1921. Serial No. 146,291.

QUICKER-WAY

Particular description of goods.—Softener and Cleaner.
Claims use since Feb. 20, 1921.

173,544. (CLASS 13. HARDWARE AND PLUMBING AND STEAM-FITTING SUPPLIES.) ESTATE OF A. C. DECKER, Keokuk, Iowa. Filed Feb. 27, 1922 Serial No. 159,855.



Particular description of goods.—Hog Rings.
Claims use since Jan. 7, 1922.

173,545. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) TEXAS STAR FLOUR MILLS, Galveston, Tex. Filed Feb. 27, 1922. Serial No. 159,901.

SPECIAL

Particular description of goods.—Wheat Flour.
Claims use since Sept. 1, 1900.

173,546. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) GEORGE M. SULTENFUSS, doing business as G. M. Sultenfuss & Co., Los Angeles, Calif. Filed June 12, 1922. Serial No. 165,421.

TWO WAY SERVICE

Particular description of goods.—Table Salt.
Claims use since Mar. 31, 1922.

173,547. (CLASS 4. ABRASIVE, DETERGENT, AND POLISHING MATERIALS.) THE J. B. WILLIAMS COMPANY, Glastonbury, Conn. Filed May 10, 1922. Serial No. 163,658.

BRIGHTNESS

Particular description of goods.—Cleansing and Polishing Powder.
Claims use since about 1902.

173,548. (CLASS 26. MEASURING AND SCIENTIFIC APPLIANCES.) BACHMANN BROS., Philadelphia, Pa. Filed July 15, 1922. Serial No. 166,930.

FRANKLIN

Particular description of goods.—Spectacle Frames.
Claims use since Dec. 1, 1921.

173,549. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) GODWIN & LOHMANN, Brooklyn, N. Y. Filed Mar. 14, 1923. Serial No. 177,436.

ONCE A WEEK
STOPS ALL
RADIATOR LEAKS

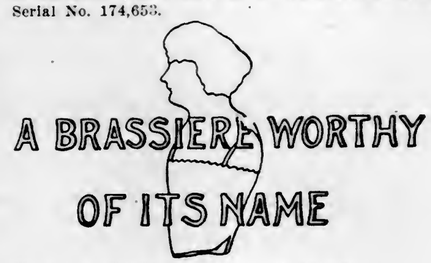
Particular description of goods.—Radiator and Boiler Compounds for the Removal of Rust and Scale from the Interior of Radiators and Water Jackets.
Claims use since July, 1922.

173,550. (CLASS 39. CLOTHING.) JOSEPH FLEISCHER, doing business as Fleischer & Co., New York, N. Y. Filed Mar. 12, 1923. Serial No. 177,288.

Mozel

Particular description of goods.—Silk Opera Caps.
Claims use since July 19, 1922.

173,551. (CLASS 39. CLOTHING.) THE BOYSHFORM BRASSIERE CO., New York, N. Y. Filed Jan. 16, 1923. Serial No. 174,653.



Particular description of goods.—Brassières.
Claims use since June 8, 1920.

173,552. (CLASS 39. CLOTHING.) THE BOYSHFORM BRASSIERE CO., New York, N. Y. Filed Jan. 12, 1923. Serial No. 174,508.



Particular description of goods.—Brassières.
Claims use since June 8, 1920.

173,553. (CLASS 39. CLOTHING.) THE BOYSHFORM BRASSIERE CO., New York, N. Y. Filed Jan. 12, 1923. Serial No. 174,507.



Particular description of goods.—Brassières.
Claims use since June 8, 1920.

173,554. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) JAMES VAN DYK CO., New York, N. Y. Filed Nov. 27, 1922. Serial No. 172,622.

VAN DYK

Particular description of goods.—Dairy Products and Food Products—Namely, Butter, Eggs, Lard, Peanut Butter, Coffee; Coffee, Cereal, and Chicory Combined; Tea, Cocoa; Spices, Including Pepper, Mustard, Celery Seed and Salt, and Paprika; Vanilla, Almond, Orange, and Lemon Food-Flavoring Extracts; Olives, Olive Oil, Mayonnaise, Maple Sirup, Evaporated and Condensed Milk.

Claims use since 1902 for mustard, spices, coffee, tea, lard, butter, eggs, cocoa, and vanilla, almond, orange, and lemon food-flavoring extracts; since 1916 for olives and olive oil; since 1919 for maple sirup and peanut butter; since 1921 for evaporated and condensed milk; since 1908 for coffee, cereal, and chicory combined; since 1922 for mayonnaise.

173,555. (CLASS 39. CLOTHING.) LOUIS BERGER, doing business as Manhattan Manufacturing Co., New York, N. Y. Filed Nov. 18, 1922. Serial No. 172,198.

Nevertear

Particular description of goods.—Office Coats.
Claims use since January, 1922.

173,556. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) EAT WENATCHEE APPLES, INC., Wenatchee, Wash. Filed Nov. 3, 1922. Serial No. 171,530.

Eat Wenatchee Apples

Particular description of goods.—Fresh Apples.
Claims use since Aug. 1, 1922.

173,557. (CLASS 39. CLOTHING.) AMERICAN LADY CORSET CO., Detroit, Mich. Filed Oct. 4, 1922. Serial No. 170,263.

"Don't Tell Your Age"

Particular description of goods.—Corsets, Corset Waists, Brassières, Bandeaux, Girdles, Belts for Personal Wear, Diaphragm Confiners, Hose Supporters; Ladies' Underwear of Textile Fabric—Namely, Camisoles, Ladies' Vests, Chemises, Bloomers, Step-Ins, Petticoats; Ladies' Dresses, Waists, Leather Shoes, Gloves of Leather; and Hosiery; Men's Underwear of Textile Fabric—Namely, Undershirts, Union Suits, and Drawers; Men's Dress and Work Shirts, Leather Shoes, Gloves of Leather; and Hosiery; Children's, Ladies', and Men's Hats; Boys' and Men's Caps, Shirt Waists, Blouses, Silk Mufflers; Sleeping Garments—Namely, Nightgowns and Pyjamas.
Claims use since July 10, 1921.

173,558. (CLASS 39. CLOTHING.) SLYT EDGE COMPANY, INC., New York, N. Y. Filed Sept. 21, 1922. Serial No. 169,785.

Slyt Edge

Particular description of goods.—Ladies' and Misses' Hats.
Claims use since Apr. 1, 1922.

173,559. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) EAST SLOPE FRUIT ASSOCIATION, Mecca, Calif. Filed Sept. 11, 1922. Serial No. 169,286.

LUSCIOUS

Particular description of goods.—Fresh Grapes and Fresh Vegetables.
Claims use since July 25, 1922.

173,560. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) MARY C. COASTON, Norfolk, Va. Filed June 30, 1922. Serial No. 166,293.

M.C.COASTON'S

Particular description of goods.—Hair Dressing for the Treatment of Diseases of the Scalp.
Claims use since January, 1922.

173,561. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) NATIONAL FOOD PRODUCTS CO., Chicago, Ill. Filed June 3, 1922. Serial No. 164,939.

"GOOBERS"

Particular description of goods.—Salted Peanuts.
Claims use since Mar. 11, 1922.

173,562. (CLASS 39. CLOTHING.) DANIEL C. CLARK, Boston, Mass. Filed May 13, 1922. Serial No. 163,780.

Wellesley

Particular description of goods.—Leather Shoes.
Claims use since January, 1921.

173,563. (CLASS 39. CLOTHING.) JORDAN MARSH COMPANY, Boston, Mass. Filed May 6, 1922. Serial No. 163,458.

"Avon"

Particular description of goods.—Articles of Clothing for Men and Boys.
Claims use since Sept. 1, 1921.

173,564. (CLASS 39. CLOTHING.) BERNHARD ULMANN CO. INC., New York, N. Y. Filed Mar. 24, 1922. Serial No. 161,211.

Everything for Art Needlework

Particular description of goods.—Crocheted and Knitted Slippers and Shoes for Men, Women, Children, and Infants; Shoes and Slippers Composed in Whole or in Part of Textile Fabrics, Such as Cotton, Linen, Woolen, Worsted, or Silk Fabrics or a Combination of Two or More of These Fabrics; Bootees, Soles and Linings for Slippers or Shoes; Dresses, Suits, Vests, Vestees, Coats, Waists, Caps, and Hats for Women and Children; Rompers, Lingerie, Brassières, Corset Covers, Nightgowns, So-Called Envelope Combinations, Combination Corset Covers and Petticoats, Negligees, Boudoir Caps, Bodices, Petticoats, Chemises, Drawers, Combing Sacks, Combing Towels, Aprons, Sweaters, Wraps, Jackets, Shawls, Neckties, Women's Neckwear, Fabric Gloves, and Hosiery, All of the Above Either Completed or Partly Completed or Stamped, Cut, or Otherwise Prepared for Completion by the Customer.
Claims use since Nov. 4, 1921.

173,565. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) PARISTYLE NOVELTY CO. INC., New York, N. Y. Filed Mar. 6, 1922. Serial No. 160,252.

Wear-Well

Particular description of goods.—Hair Nets.
Claims use since July 1, 1920.

173,566. (CLASS 39. CLOTHING.) REAL SILK HOSIERY MILLS, Indianapolis, Ind. Filed Nov. 16, 1921. Serial No. 155,455.

REAL SILK FASHIONED HOSIERY

Particular description of goods.—Hosiery.
Claims use since Jan. 1, 1921

173,567. (CLASS 39. CLOTHING.) FOWNES BROTHERS & CO., Gloversville, Amsterdam, and New York, N. Y., assignor, by mesne assignments, to Equitable Trust Company of New York, Trustee, New York, N. Y., a Corporation of New York. Filed July 20, 1921. Serial No. 150,671.

LANARK

Particular description of goods.—Gloves Made of Leather or Skins.
Claims use since 1900.

173,568. (CLASS 39. CLOTHING.) FOWNES BROTHERS & CO., Gloversville, Amsterdam, and New York, N. Y., assignor, by mesne assignments, to Equitable Trust Company of New York, Trustee, New York, N. Y., a Corporation of New York. Filed July 20, 1921. Serial No. 150,670.

Roxburgh

Particular description of goods.—Gloves.
Claims use since 1900.

173,569. (CLASS 32. FURNITURE AND UPHOLSTERY.) WATERTOWN TABLE-SLIDE COMPANY, Watertown, Wis. Filed June 9, 1923. Serial No. 181,795.

The WATERTOWN SLIDE

Particular description of goods.—Table Slide Bars.
Claims use for not less than one year.

173,570. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) GORTON-PEW FISHERIES COMPANY, Gloucester, Mass. Filed Apr. 26, 1923. Serial No. 179,720.

Duncansby Head

Particular description of goods.—Smoked Herring.
Claims use since Dec. 1, 1903.

173,571. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) ALEC KLEIN, doing business as Chicago Egg Noodle Company, Chicago, Ill. Filed Apr. 11, 1923. Serial No. 179,006.



Particular description of goods.—Potato Chips, Noodles, Spaghetti, and Macaroni.
Claims use since Jan. 1, 1922.

173,572. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) CHARLES B. GENTRY, doing business as C. B. Gentry Chili Powder Co., Los Angeles, Calif. Filed Apr. 9, 1923. Serial No. 178,837.

GENTRY'S

Particular description of goods.—Chili Powder Mixed with Spices, Ground Chili Pepper, Garlic Oil, and Garlic Powder.
Claims use since June, 1920.

173,573. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) GUSTAVUS HALBERT BRADT, San Francisco, Calif. Filed Apr. 9, 1923. Serial No. 178,815.

SUMNER

Particular description of goods.—Canned Berries and Canned Fruits.
Claims use since July, 1903.

173,574. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) GUSTAVUS HALBERT BRADT, San Francisco, Calif. Filed Apr. 9, 1923. Serial No. 178,813.

PUGET SOUND

Particular description of goods.—Canned Berries and Canned Fruits.
Claims use since July, 1903.

173,575. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) GUSTAVUS HALBERT BRADT, San Francisco, Calif. Filed Apr. 9, 1923. Serial No. 178,814.

PUYALLUP

Particular description of goods.—Canned Fruits, Vegetables, and Berries; Jams, and Fruit Preserves.
Claims use since July, 1903.

173,576. (CLASS 39. CLOTHING.) S. H. CAMP & COMPANY, Jackson, Mich. Filed Mar. 19, 1923. Serial No. 177,650.

CAMP

Particular description of goods.—Abdominal Belts or Supports, Corsets, Girdles, Braces, and Bands for Personal Wear.
Claims use since April, 1916.

173,577. (CLASS 39. CLOTHING.) THE RILEY SHOE MANUFACTURING CO., Columbus, Ohio. Filed July 13, 1923. Serial No. 183,164.

RILEY'S
ARCH
RELIEF

Particular description of goods.—Shoes.
Claims use since June 3, 1919.

173,578. (CLASS 37. PAPER AND STATIONERY.) JOSEPH DIXON CRUCIBLE COMPANY, Jersey City, N. J. Filed June 26, 1923. Serial No. 182,467.

RAPID WRITER

Particular description of goods.—Pencils.
Claims use since Mar. 13, 1922.

173,579. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) JOSEPH LIVINGSTON, Pittsburgh, Pa. Filed May 26, 1923. Serial No. 181,198.

Livingston's

Particular description of goods.—A Preparation for the Treatment of Consumption and all Pulmonary and Bronchial Troubles.
Claims use since Jan. 1, 1920.

173,580. (CLASS 39. CLOTHING.) SYMONS BROTHERS AND COMPANY, Saginaw, Mich. Filed May 19, 1923. Serial No. 180,905.

Bancroft

Particular description of goods.—Men's and Boys' Work Shirts, Dress Shirts, Flannel Shirts, Work Pants, Dress Pants; Men's, Women's, and Children's Hosiery, Knit Underwear, and Nainsook Underwear; Boys' Waists and Blouses, Children's Rompers and Play Suits, Ladies' and Misses' Middy Blouses; Men's, Women's, and Children's Knit Bathing Suits; Sweaters and Sport Coats, Sleeping Garments, Mackinaws, Overalls, Overcoats, Sheep-Lined Coats and Vests, Hockey Caps, Knit Mufflers and Scarfs, Leather Gloves and Mittens, Knitted Gloves and Mittens, Canvas Gloves and Mittens, and Jersey Gloves and Mittens.
Claims use since June 15, 1922.

173,581. (CLASS 39. CLOTHING.) O'CALLAGHAN & FEDDEN, INC., New York, N. Y. Filed May 19, 1923. Serial No. 180,884.

Featherweight

Particular description of goods.—Stockings.
Claims use since August, 1914.

173,582. (CLASS 31. FILTERS AND REFRIGERATORS.) BOHN REFRIGERATOR COMPANY, St. Paul, Minn. Filed Apr. 21, 1923. Serial No. 179,456.

BOHN
SYPHON REFRIGERATOR

Particular description of goods.—Refrigerators.
Claims use since on or about Jan. 1, 1901.

173,583. (CLASS 38. PRINTS AND PUBLICATIONS.) BALTIMORE BARGAIN HOUSE, Baltimore and Cumberland, Md. Filed Apr. 24, 1919. Serial No. 117,800½.

Baltimore Bargain House

Particular description of goods.—Monthly Publications.
Claims use since 1881.

173,584. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) LORRAINE MANUFACTURING COMPANY, Pawtucket, R. I. Filed July 30, 1923. Serial No. 183,840.

Lorraine

Particular description of goods.—Bengaline, Chiffon, Crashes, Serges, Bedford Cords, Poplins, Batistes, Mohairs, Cashmeres, Panamas, Covert Cloth, Worsteds, Cotton-Warp Fabrics, and Cotton Goods in the Piece.
Claims use since April, 1917.

173,585. (CLASS 13. HARDWARE AND PLUMBING AND STEAM-FITTING SUPPLIES.) LEADCLAD WIRE COMPANY, Wheeling and Moundsville, W. Va. Filed June 4, 1923. Serial No. 181,532.

LEADCLAD

Particular description of goods.—Woven-Wire Fencing, Barbed Wire, Steel Fenceposts, and Wire Staples.
Claims use since November, 1921.

173,586. (CLASS 4. ABRASIVE, DETERGENT, AND POLISHING MATERIALS.) MARSHALL FIELD & COMPANY, Chicago, Ill Filed May 19, 1923. Serial No. 180,850.

BLUE
ROSE

Particular description of goods.—Complexion Soap and Bath Soap.
Claims use since Nov. 15, 1920, on complexion soap; since Nov. 22, 1920, on bath soap.

173,587. (CLASS 13. HARDWARE AND PLUMBING AND STEAM-FITTING SUPPLIES.) DIAMOND EXPANSION BOLT CO., New York, N. Y. Filed Apr. 24, 1923. Serial No. 179,589.

SUPER-GRIP

Particular description of goods.—Bolt Anchors and Expansion Shields and Parts Therefor.
Claims use since Apr. 18, 1922.

173,588. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) JOHN VITTUCCI COMPANY, Seattle, Wash. Filed Apr. 21, 1923. Serial No. 179,499.

VITTUCCI

Particular description of goods.—Olive Oil.
Claims use since 1907.

173,589. (CLASS 39. CLOTHING.) LEHIGH SILK HOSIERY MILLS, INC., New York, N. Y., Philadelphia and Norristown, Pa., and Hoboken, N. J. Filed Apr. 20, 1923. Serial No. 179,413.

The Silk Stockings that Wear.

Particular description of goods.—Silk Hosiery.
Claims use since February, 1913.

173,590. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) DE CAMERON, INC., New York, N. Y. Filed Apr. 11, 1923. Serial No. 178,966.

Fleurs D'Annam

Particular description of goods.—Perfumes.
Claims use since Oct. 1, 1921.

173,591. (CLASS 32. FURNITURE AND UPHOLSTERY.) NEWARK TORTOISE SHELL NOVELTY CO., Newark, N. J. Filed May 10, 1921. Serial No. 147,526.

TORTOS AMBRE

Particular description of goods.—Hand Mirrors and Picture Frames.
Claims use since Jan. 1, 1921.

173,592. (CLASS 4. ABRASIVE, DETERGENT, AND POLISHING MATERIALS.) CHALMERS CHEMICAL COMPANY, Newark, N. J. Filed May 5, 1923. Serial No. 180,207.

INSTANTANEOUS

Particular description of goods.—A Preparation for Removing Ink, Dirt, and Grease from Type, Wood, Metal, Skin, Clothes, and Other Surfaces.
Claims use since August, 1921.

173,593. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) LOS ANGELES MACARONI CO., Los Angeles, Calif. Filed May 5, 1923. Serial No. 180,232.

ITALY

Particular description of goods.—Alimentary Paste.
Claims use since about Sept. 1, 1913.

173,594. (CLASS 38. PRINTS AND PUBLICATIONS.) CHASTAINS' INCORPORATED, Lewiston, Idaho. Filed Apr. 23, 1923. Serial No. 179,517.

New Crystal Finish

Particular description of goods.—Photographic Prints.
Claims use since Mar. 1, 1919.

LABELS

REGISTERED SEPTEMBER 25, 1923.

26,404.—*Title:* GOLDEN GUERNSEY PRODUCTS. For Milk, Cream, Butter, and Cheese. THE AMERICAN GUERNSEY CATTLE CLUB, Peterboro, N. H. Published July 30, 1923.

26,405.—*Title:* SAVE YOUR HAIR HAIRONNA DON'T GET BALD. For a Hair Tonic. MARIE J. BIDWELL, doing business as Haironna Co., New York, N. Y. Published June 14, 1923.

26,406.—*Title:* CRACKER JACK. For Carbonated Beverages. CRACKER JACK CO., Sumter, S. C. Published March 1, 1920.

26,407.—*Title:* TISSUE. For Dry Goods—Namely, Cotton and Linen Cloth. THE FARLEY HARVEY COMPANY, Boston, Mass. Published June 1, 1923.

26,408.—*Title:* MOZEL. For Silk Opera and Sport Hair Nets. JOSEPH FLEISCHER, doing business as Fleischer & Company, New York, N. Y. Published July 7, 1923.

26,409.—*Title:* GRIN. For Auto Polish. THE GRIN CO., INC., Los Angeles, Calif. Published July 24, 1923.

26,410.—*Title:* GLACIER KAI'S. For Fancy Cakes. HOYT'S CONSUMERS CRACKER & BISCUIT CORPORATION, also doing business as Hoyt's Cracker & Biscuit Corporation, Los Angeles, Calif. Published July 18, 1923.

26,411.—*Title:* STORK BAND FOR CIGARS. For Cigars. ORSEMUS E. KING, Mechanicsburg, Ohio. Published March 23, 1923.

26,412.—*Title:* CREME VENTURA. For Vanishing Cream. ALFRED J. KRANK, St. Paul, Minn. Published August 13, 1923.

26,413.—*Title:* SKIN-HEALTH. For Toilet Cream. ALFRED J. KRANK, St. Paul, Minn. Published July 19, 1923.

26,414.—*Title:* MR. PORKER. For Cake Chocolate. IDEAL COCOA & CHOCOLATE CO., Lititz, Pa., and New York, N. Y. Published July 3, 1923.

26,415.—*Title:* PETER SQUIRREL. For Cake Chocolate. IDEAL COCOA & CHOCOLATE CO., Lititz, Pa., and New York, N. Y. Published July 3, 1923.

26,416.—*Title:* PRINCE. For Cake Chocolate. IDEAL COCOA & CHOCOLATE CO., Lititz, Pa., and New York, N. Y. Published July 3, 1923.

26,417.—*Title:* MISS KITTY. For Cake Chocolate. IDEAL COCOA & CHOCOLATE CO., Lititz, Pa., and New York, N. Y. Published July 3, 1923.

26,418.—*Title:* RAJAH. For Cake Chocolate. IDEAL COCOA & CHOCOLATE CO., Lititz, Pa., and New York, N. Y. Published July 3, 1923.

26,419.—*Title:* BUSTER BEAR. For Cake Chocolate. IDEAL COCOA & CHOCOLATE CO., Lititz, Pa., and New York, N. Y. Published July 3, 1923.

26,420.—*Title:* MISS BUNNY. For Cake Chocolate. IDEAL COCOA & CHOCOLATE CO., Lititz, Pa., and New York, N. Y. Published July 3, 1923.

26,421.—*Title:* THE CHOCOLATE ROOSTER. For Cake Chocolate. IDEAL COCOA & CHOCOLATE CO., Lititz, Pa., and New York, N. Y. Published July 3, 1923.

26,422.—*Title:* SWEETIE. For Cake Chocolate. IDEAL COCOA & CHOCOLATE CO., Lititz, Pa., and New York, N. Y. Published July 3, 1923.

26,423.—*Title:* THE CHOCOLATE SOLDIER. For Cake Chocolate. IDEAL COCOA & CHOCOLATE CO., Lititz, Pa., and New York, N. Y. Published July 3, 1923.

26,424.—*Title:* STAR BRAND SHOES ARE BETTER. For Shoes. INTERNATIONAL SHOE COMPANY, St. Louis, Mo. Published May 29, 1923.

26,425.—*Title:* YOUR MONEY BACK AND A NEW PAIR OF SHOES FREE. For Shoes. INTERNATIONAL SHOE COMPANY, St. Louis, Mo. Published May 15, 1923.

26,426.—*Title:* ANTIKOCCHIBACTERIO. For a Preparation Used in Treatment for Tuberculosis. MAZZIOTTI CORPORATION, New York, N. Y. Published August 15, 1923.

26,427.—*Title:* PHOSPHORCIN. For a Tonic for the Nervous System. ORGANIC PREPARATIONS CO., INC., Brooklyn, N. Y. Published July 24, 1923.

26,428.—*Title:* PHOSPHORCIN. For a Tonic for the Nervous System. ORGANIC PREPARATIONS CO., INC., Brooklyn, N. Y. Published July 24, 1923.

26,429.—*Title:* PARISTYLE. For Hair Nets. PARISTYLE NOVETY CO., INC., New York, N. Y. Published January 2, 1922.

26,430.—*Title:* IONIA. For Hair Nets. PARISTYLE NOVELTY CO., INC., New York, N. Y. Published January 2, 1922.

26,431.—*Title:* NEO. For a Preparation for Destroying Bugs. MAX ROBINS, doing business as Maxime Drug Co., Chicago, Ill. Published April 11, 1923.

26,432.—*Title:* THE INVISIBLE TOUCH THAT MEANS SO MUCH. For Hair Nets. SAMSTAG & HILDER BROS., INC,. New York, N. Y. Published August 1, 1923.

26,433.—*Title:* CONNECTICUT VALLEY BRAND. For Canned Tomatoes. S. VOGEL SONS, doing business as Vogel Brothers, Hartford, Conn. Published September 25, 1922.

26,434.—*Title:* WARD'S DE LUXE LAYER CAKES. For Cake. WARD BAKING COMPANY, New York, N. Y. Published January 22, 1923.

26,435.—*Title:* ORIENTAL MYSTIC GAME. For Games. WILLIAM WENDTLAND, New York, N. Y. Published July 19, 1923.

26,436.—*Title:* HEAVENLY HASH. For Candy. A. G. WILLIAMS HOMEMADE CANDY CO., INC., New Orleans, La. Published August 1, 1923.

PRINTS

REGISTERED SEPTEMBER 25, 1923.

6,894.—*Title:* AMERICAN BOTTLERS OF CARBONATED BEVERAGES. For Beverages. AMERICAN BOTTLERS OF CARBONATED BEVERAGES, Washington, D. C. Published March 20, 1923.

6,895.—*Title:* RIGHT OVER THE HOME PLATE. For Wheat Breakfast Food. CREAM OF WHEAT CO., Minneapolis, Minn. Published August 17, 1923.

6,896.—*Title:* SERIOUS BUSINESS, NOW, FOR LITTLE BRAINS. For Wheat Breakfast Food. CREAM OF WHEAT CO., Minneapolis, Minn. Published August 15, 1923.

6,897.—*Title:* DYNAMO ELECTRIC WORKS GUARANTEED QUALITY SERVICE. For Dynamos. DYNAMO ELECTRIC WORKS, Los Angeles, Calif. Published July 9, 1923.

6,898.—*Title:* THE CREAM FOR EVERY HOME. For Honey and Almond Cream and Cre-Mis Face Powder. A. S. HINDS CO., Portland, Me. Published August 5, 1923.

6,899.—*Title:* KRANK'S. For Toilet Preparations. ALFRED J. KRANK, St. Paul, Minn. Published April 7, 1923.

6,900.—*Title:* EDGEWORTH EXTRA HIGH GRADE TOBACCO. For Tobacco. LARUS & BROTHER COMPANY, Richmond, Va. Published August 6, 1923.

6,901.—*Title:* O'ZOL (BENZOL MOTOR GASOLINE). For Gasoline. O'NEIL OIL & PAINT COMPANY, Milwaukee, Wis. Published June 1, 1923.

6,902.—*Title:* THE EXPENSIVE WAY. For Hosiery. REAL SILK HOSIERY MILLS, Indianapolis, Ind. Published May 1, 1923.

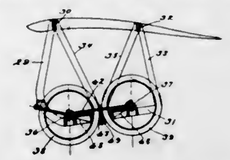
6,903.—*Title:* THE ECONOMICAL WAY. For Hosiery. REAL SILK HOSIERY MILLS, Indianapolis, Ind. Published May 1, 1923.

6,904.—*Title:* TRAIL MOCS. For Shoes. TRAIL MOC SHOE COMPANY, Saco, Me. Published August 17, 1923.

REISSUES.

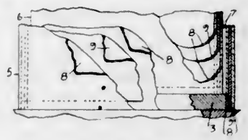
SEPTEMBER 25, 1923.

15,688. FLYING MACHINE. FEDERICO CAPRONI, Milan, Italy. Filed Dec. 15, 1920. Serial No. 430,993. Original No. 1,325,230, dated Dec. 16, 1919, Serial No. 110,850, filed July 24, 1916. 4 Claims. (Cl. 244—2.)



1. A triplane flying machine comprising in combination two fuselages symmetrically arranged with respect to the center line of the apparatus, two motors arranged on the forward ends of said fuselages, propellers attached to said motors, a motor in center with propeller, a tail plane and a horizontal rudder mounted upon the rear end of said two fuselages.

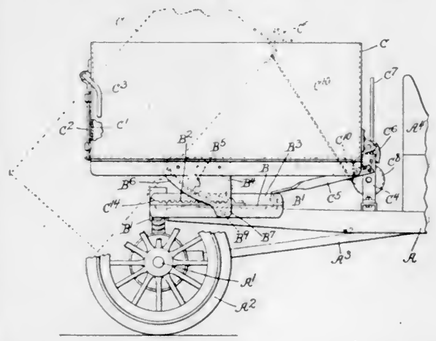
15,689. CONDENSER. CLARENCE D. TUSKA, Hartford, Conn., assignor to Dubilier Condenser and Radio Corporation, New York, N. Y., a Corporation of Delaware. Filed Feb. 21, 1923. Serial No. 620,534. Original No. 1,371,061, dated Mar. 8, 1921, Serial No. 286,190, filed Mar. 29, 1919. 25 Claims. (Cl. 250—41.)



1. A condenser comprising a plurality of coaxial relatively turnably adjustable elements, each element being flexible and having insulating and conducting sections.

15,690. ROCKER DUMPING BODY. WILLIAM C. ANTHONY, Streator, Ill., assignor to Anthony Company, Streator, Ill., a Corporation of Illinois. Filed Jan. 11, 1923. Serial No. 612,022. Original No. 1,365,017, dated Jan. 11, 1921, Serial No. 226,092, filed Apr. 1, 1918. 8 Claims. (Cl. 298—10.)

7. A vehicle comprising a body, a frame upon which it is movably supported, a releasable locking device for locking the body in its loading position, the center of gravity of the body alone and the combined body and load both being to the rear of the point of support of the body when the body is in its loading position so that when the body is released it will automatically move to its dumping position, means comprising a curved support interposed between the body and frame for moving the body and load, thereby shifting the center of gravity of the body alone to the front of the point of support of said body as the body is moved toward its dumping position, a holding device for holding substantially all the load in



the body until the center of gravity of the body alone has reached a predetermined point in front of its point of support sufficient to insure the automatic return of the body to its loading position when empty, and to also insure the bottom of the body attaining an inclination sufficient to permit the movement of the load en masse when said load is released, said holding device adapted to be released to release the load and cause it to be discharged en masse from the body whereby the load is dumped and the body returns automatically to its loading position.

15,691. TOOTH-CLEANING PREPARATION. CARL PFANSTIEHL, Highland Park, Ill., assignor to Special Chemicals Company, Highland Park, Ill., a Corporation of Illinois. Filed Aug. 16, 1923. Serial No. 657,833. Original No. 1,445,351, dated Feb. 13, 1923, Serial No. 504,144, filed Sept. 29, 1921. 7 Claims. (Cl. 167—9.)

1. In a tooth cleaning compound, a substantially anhydrous filler and a lactone of a sugar acid.

DESIGNS.

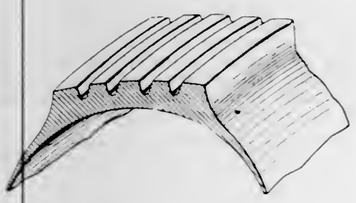
SEPTEMBER 25, 1923.

63,047. FORK. ALFONS P. ADLER, Clifton, N. J. Filed Mar. 19, 1923. Serial No. 5,525. Term of patent 7 years.



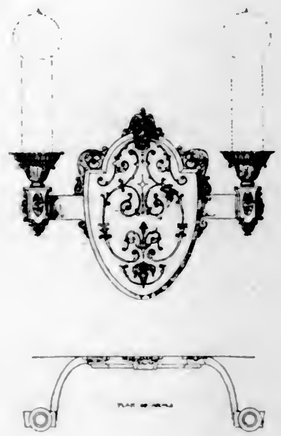
The ornamental design for a fork.

63,048. TIRE TREAD. JACKSON D. COMSTOCK and IRVIN E. FAIR, Chester, W. Va. Filed Oct. 20, 1921. Serial No. 509,186. Term of patent 14 years.



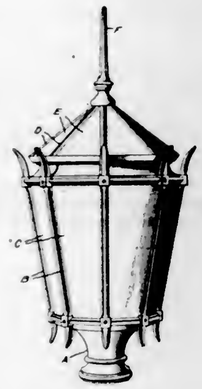
The ornamental design for a tire tread, substantially as shown.

63,049. BRACKET FOR LIGHTING FIXTURES. FRANK S. CROWELL, Toledo, Ohio, assignor to Edward N. Riddle Co., Toledo, Ohio, a Corporation of Ohio. Filed Feb. 24, 1922. Serial No. 866. Term of patent 3½ years.



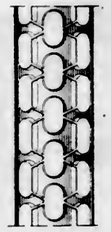
The ornamental design for a bracket for lighting fixtures, as shown.

63,050. LANTERN. JOSEPH W. GOSLING, Schenectady, N. Y., assignor to General Electric Company, a Corporation of New York. Filed Sept. 12, 1921. Serial No. 500,215. Term of patent 14 years.



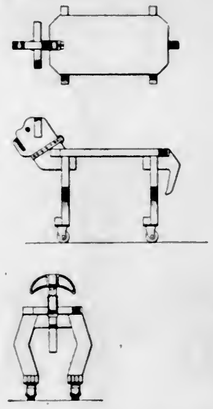
The ornamental design for a lantern as shown and described.

63,051. TIRE TREAD. BENJAMIN GOTTLIEB, Brooklyn, N. Y. Filed Dec. 7, 1921. Serial No. 520,753. Term of patent 14 years.



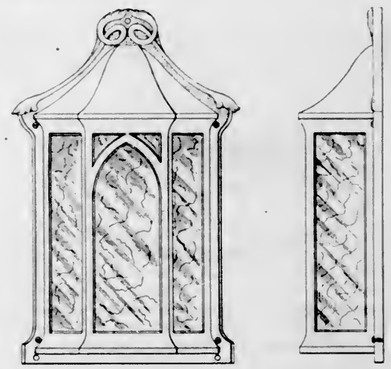
The ornamental design for a tire tread, as shown and described.

63,052. TOY VEHICLE. CHARLES HENRY HYMAN, Penacook, N. H. Filed Feb. 25, 1922. Serial No. 893. Term of patent 7 years.



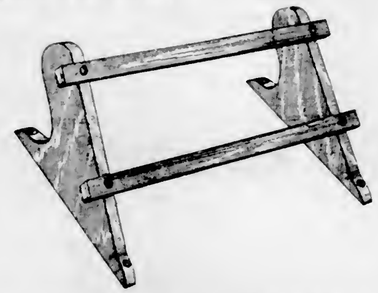
The ornamental design for a toy vehicle substantially as shown.

63,053. WALL LANTERN. GEORGE J. KLEIN, Cleveland, Ohio. Filed Jan. 15, 1923. Serial No. 4,892. Term of patent 7 years.



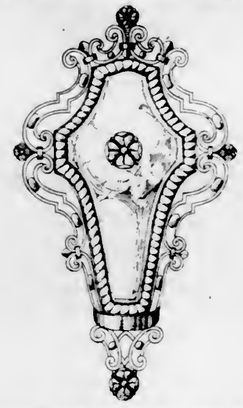
The ornamental design for a wall lantern, as shown.

63,054. SHOE RACK. THEODORE P. LALLANCE, Huntington, W. Va. Filed July 3, 1922. Serial No. 2,931. Term of patent 7 years.



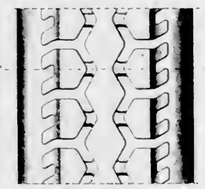
The ornamental design for a shoe rack, as shown.

63,055. BRACKET BACK. EMORY S. LEWIS, New York, N. Y., assignor to London Lightingwares Corporation, a Corporation of New York. Filed Jan. 17, 1923. Serial No. 4,914. Term of patent 7 years.



The ornamental design for a bracket back, as shown.

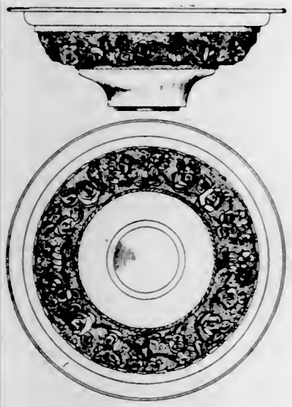
63,056. TIRE TREAD. JOHN I. MARTIN, Akron, Ohio, assignor to The Firestone Tire & Rubber Company, Akron, Ohio, a Corporation of Ohio. Filed Jan. 15, 1923. Serial No. 4,890. Term of patent 14 years.





The ornamental design for a tire tread as shown.

63,057. CEILING LIGHT FOR LIGHTING FIXTURES. GLENN H. MCFADDEN, Lakewood, Ohio, assignor to Alfred Vester Sons, Inc., Providence, R. I., a Corporation of Rhode Island. Filed Oct. 14, 1922. Serial No. 3,966. Term of patent 14 years.



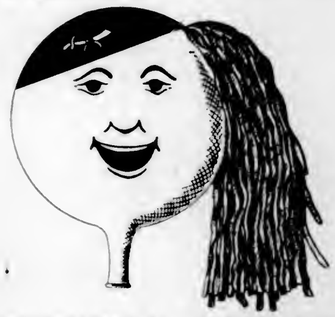
The ornamental design for a ceiling light for lighting fixtures, as shown.

63,058. TYPEWRITER STAND. JACOB E. NEAHR, Hartsdale, N. Y., assignor to Underwood Typewriter Company, New York, N. Y., a Corporation of Delaware. Filed Oct. 2, 1921. Serial No. 505,193. Term of patent 14 years.



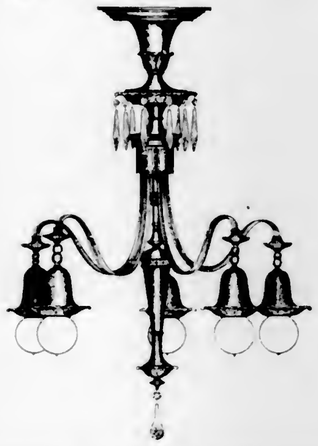
The ornamental design for a typewriter stand, as shown.

63,059. TOY BALLOON. ROBERT WILLIAM PAGE, El Paso, Tex. Filed Nov. 11, 1922. Serial No. 4,259. Term of patent 7 years.



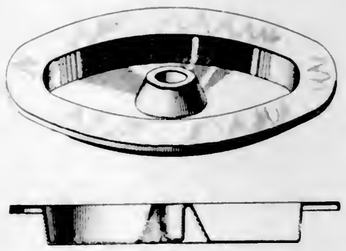
The ornamental design for a toy balloon, as shown.

63,060. CEILING CHANDELIER. FREDERICK MAX PORITZ, New York, N. Y., assignor to Star Chandelier Company, New York, N. Y., a Corporation of New York. Filed Nov. 11, 1922. Serial No. 4,254. Term of patent 3½ years.



The ornamental design for a ceiling chandelier, as shown.

63,061. ASH TRAY. CARL B. WENIGMAN, Lowell, Mass., assignor to American Emblem Company, Inc., a Corporation of New York. Filed Oct. 26, 1921. Serial No. 510,672. Term of patent 14 years.

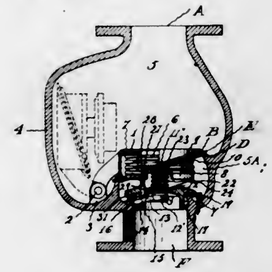


The ornamental design for ash tray, as shown

PATENTS

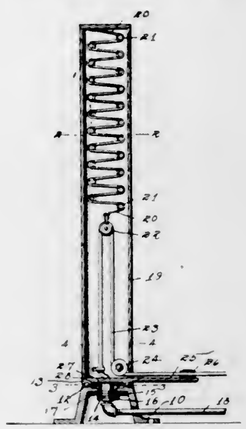
GRANTED SEPTEMBER 25, 1923.

1,468,619. DRY-PIPE VALVE. CHARLES ADAMS, Jr., Weehawken, N. J. Filed June 9, 1920. Serial No. 387,735. 29 Claims. (Cl. 169—22.)



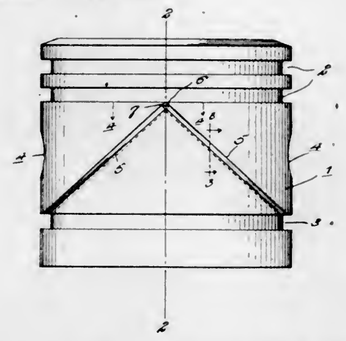
1. A dry pipe valve comprising a casing having an air inlet and a water inlet in opposed relation to each other, and a differential pneumatic and hydraulic closure valve intermediate of said inlets controlled by collapsible and extensible means normally located in the axial line of said inlets.

1,468,620. HOSE ELEVATING AND SUPPORTING DEVICE. JOHN E. ADDY, Winterset, Iowa. Filed July 18, 1922. Serial No. 575,900. 2 Claims. (Cl. 299—77.)



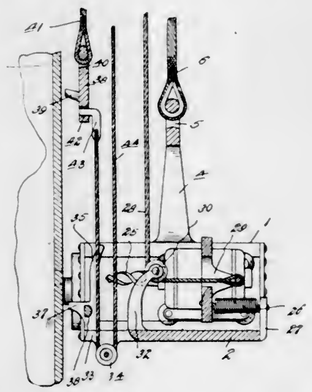
1. In a device of the class described, the combination of a standard, an air hose introduced into the base of the standard and extended up into the standard and then downwardly and then out through the standard to a point on the exterior of the standard where it may be grasped, a spring device secured to the top of the standard and comprising alternate straight arms and coiled members, and a pulley connected with the lower one of the straight arm members of the spring and having said hose running over it, for the purposes stated.

1,468,621. ENGINE PISTON. ROBERT ALFORD, Lenoir City, Tenn. Filed Oct. 19, 1922. Serial No. 595,500. 1 Claim. (Cl. 74—108.)



In engine pistons of the type including upper ring grooves and a lower oil groove, a pair of diagonally arranged channel ways formed upon the opposite sides of the piston wall, the channel way of each pair arranged in opposite directions and establishing communication at their upper ends, the said piston wall having a bore therethrough communicating with the upper ends of the channel ways for allowing a portion of the excess oil to pass interiorly of the piston and other excess oil being received within the said channel ways whereby the same is conveyed to the oil groove within the piston.

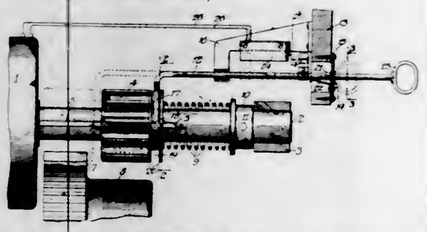
1,468,622. SALVAGE APPARATUS FOR RAISING SUNKEN VESSELS. AAGE FREDERIK ANDERSEN, Rolfe, Iowa. Filed Aug. 10, 1922. Serial No. 580,968. 1 Claim. (Cl. 114—51.)



In salvaging apparatus for vessels, a hanger adapted to be lowered into the water in proximity to the vessel, electro magnets carried by said hanger and adapted to energize and contact with the hull of the vessel to

hold the hangers to the hull, electric motors on said hanger, drill bits carried by said motors, respectively, means for moving said motors on said hanger to facilitate the drilling of openings in the hull by said bits, means associated with said hanger and operable to engage the openings in the hull after the drilling operation whereby the vessel may be lifted, said first named means comprising a wheeled carriage movable transversely of said hanger and a spring connected to said carriage and to said hanger and holding the carriage normally in inactive position.

1,468,623. ENGINE STARTER. VINCENT BENDIX, Chicago, Ill. Filed Mar. 28, 1921. Serial No. 456,096. 11 Claims. (Cl. 290—38.)



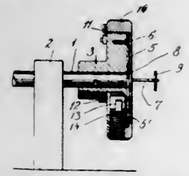
1. An engine starter drive including a rotatable shaft, a driving member mounted thereon for longitudinal movement thereof and rotary movement therewith, means tending to shift the driving member longitudinally into engagement with a member of the engine to be started, and mechanism for restraining such means and for withdrawing the driving member from its engagement and into normal position.

1,468,624. DEVICE FOR USE WITH BEDS. JACK TAYLOR BENNETT, Glasgow, Scotland. Filed Oct. 25, 1922. Serial No. 596,877. 2 Claims. (Cl. 24—72.5.)



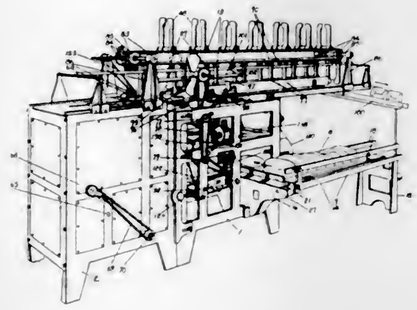
1. Means for facilitating the making of beds, comprising a channelled member adapted to receive the bed clothes towards one edge thereof, having a base and two walls, one of the latter being furnished with a flange overhanging the channel, reducing the width of the opening at the top thereof, a slat adapted to enter the channel, the said slat being of greater width than the reduced opening, but of less width than the normal width of the channel, and means arranged to cooperate with said overhanging flange, to prevent casual removal of the slat.

1,468,625. WINDING CHUCK. EDWARD BERGMAN, New York, N. Y., assignor to C. Brandes, Inc., New York, N. Y., a Corporation of New York. Filed Aug. 11, 1922. Serial No. 581,155. 7 Claims. (Cl. 242—9.)



1. A rotatable chuck for winding electro-magnets, comprising a member having a recess adapted for receiving and properly positioning an electro-magnet core with respect to the axis of rotation of the chuck, and a securing member for the electro-magnet core, said securing member having an aperture adapted to permit a portion of the core being passed therethrough into said recess, said securing member being operable to clamp said core in said recess.

1,468,626. WRAPPING MACHINE. CHARLES O. BROWNELL, Battle Creek, Mich., assignor to Battle Creek Bread Wrapping Machine Co., Battle Creek, Mich., a Corporation of Michigan. Filed Jan. 3, 1921. Serial No. 434,675. 13 Claims. (Cl. 93—2.)



13. In a wrapping machine, the combination of a feed conveyor, an elevating conveyor to which said feed conveyor delivers comprising sprocket chains and supporting and driving sprockets therefor, rods pivotally mounted on said sprocket chains, flights mounted on said rods, arms on said rods, a guide way for said arms having a switch way at the end of the upward reach thereof, a switch for said switch way disposed to be actuated by said rods whereby the switch guides the said arms into said switch way to rock said rods and swing said flight downwardly, and a reversing means for said flights positioned at the rear of said switch.

1,468,627. ARTIFICIAL FISH BAIT. JOHN W. DICKENS, Fort Wayne, Ind. Filed Mar. 11, 1920. Serial No. 364,903. 2 Claims. (Cl. 43—46.)



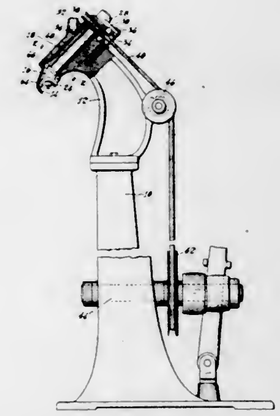
1. An artificial bait comprising a buoyant hook-supporting body, the head of which has opposite undercut recesses in its sides, and a ridge intervening therebetween, the top face of the ridge extending recedingly from its front end and being comparatively broader than its lower end, the lateral faces of the ridge being flat and converging from the lateral sides of the top face to the bottom of the corresponding recesses, there being a narrow throat at the bottom of the ridge, there being also a lateral curved face on each side of the head that extends from the throat to the top of the ridge.

1,468,628. HOE. WILLIAM F. DUNBAR, Comstock, Nebr. Filed Feb. 1, 1922. Serial No. 533,407. 3 Claims. (Cl. 55—5.)



1. In a hoe, a blade relatively low throughout its width, a handle, and a shank joining said blade and handle, said shank having the form of an upwardly bowed loop, a portion of which extends forwardly of the blade.

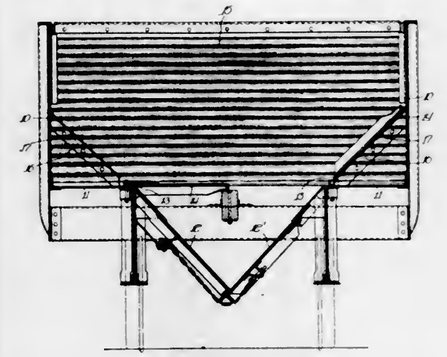
1,468,629. TRIMMING MACHINE. EDWARD ERICKSON, Beverly, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J., a Corporation of New Jersey. Filed June 21, 1919. Serial No. 305,731. 26 Claims. (Cl. 12—1.)



4. A machine of the character described comprising a scoring knife arranged to score the work in the crease formed by the uper and the sole-extension of a shoe, and means arranged to operate the knife so as to cause the scoring edge to engage the work intermittently and to describe an endless path tangential to the sole-extension.

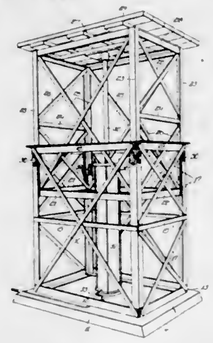
1,468,630. CAR CONSTRUCTION. FREDERICK S. GALLAGHER, Yonkers, N. Y., assignor to Rodger Ballast Car Co., Chicago, Ill., a Corporation of Maine. Filed Oct. 5, 1922. Serial No. 592,501. 9 Claims. (Cl. 105—243.)

1. A railway car comprising means providing a hopper, doors hinged along longitudinal axes in certain positions to cover said hopper or in other positions to form sloping walls for said hopper, corrugated car end members adapted to be mounted in a plurality of positions longitudinally of said car, said car members in certain of said positions



being adapted to close said hopper, and said car being provided with means for closing the space beneath said doors when said doors are in said other positions.

1,468,631. TRUCK-UNLOADING APPLIANCE. RAYMOND B. GLIDDEN, Kewanee, Ill., assignor to Kewanee Implement Company, Kewanee, Ill., a Corporation of Illinois. Filed Mar. 7, 1921. Serial No. 450,285. 1 Claim. (Cl. 187—9½.)

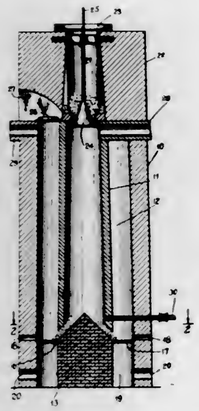


In a truck unloading appliance of the character described, the combination of a stationary outer frame, an auxiliary frame inside of and adapted to slide in said outer frame, an upright cylinder in said frames, a piston in said cylinder, means connecting said piston and inner frame, whereby the latter partakes of the movements of the former, ball-bearings near the top part of said outer frame bearing on said inner auxiliary frame, vertically offset ball-bearings on and near the lower end of said inner frame bearing on said outer frame, and a platform on said inner frame adapted to support the front wheels only of a truck to discharge its load, each ball-bearing comprising a ball projecting through a hole in the frame and held in position by a socket member secured to the other side of the frame.

1,468,632. APPARATUS FOR THE MANUFACTURE OF ALUMINUM CHLORIDE. FRANK W. HALL, Port Arthur, Tex., assignor to The Texas Company, New York, N. Y., a Corporation of Texas. Filed Dec. 30, 1921. Serial No. 525,877. 8 Claims. (Cl. 23—15.)

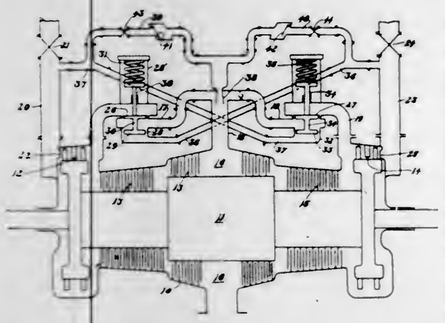
5. Apparatus for the manufacture of aluminum chloride comprising a retort, a combustion chamber about the re-

tort adapted to supply heat thereto, a discharge outlet from the retort to the combustion chamber and means



for maintaining ash from the retort about said outlet so as to form a gas-tight seal.

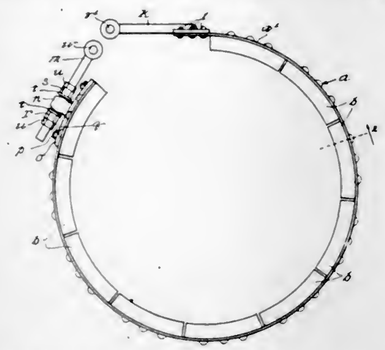
1,468,633. TURBINE. HERBERT T. HEAD, Merion, Pa., assignor to Westinghouse Electric and Manufacturing Company, a Corporation of Pennsylvania. Filed Oct. 11, 1920, Serial No. 416,094. Renewed Feb. 24, 1923. 11 Claims. (Cl. 253—70.)



1. In an apparatus of the character described comprising an ahead turbine element, an astern turbine element, each of said elements arranged to run idly while the other is developing power, an exhaust chamber into which both turbine elements exhaust, a by-pass pipe connecting an inlet portion of said ahead turbine element with the exhaust chamber, a valve in said by-pass and means controlled by the pressure in the supply pipe of the astern turbine element for opening said valve.

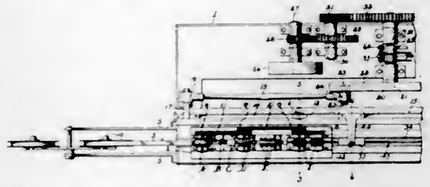
1,468,634. LINING OR FRICTION MEMBER FOR BRAKE BANDS, BRAKE SHOES, OR OTHER ARTICLES. FRANK A. HEADSON, Milwaukee, Wis. Filed May 9, 1921. Serial No. 468,087. 8 Claims. (Cl. 188—259.)

5. In a device of the class described, a friction shoe member formed of a composition comprising in combination, fibrous asbestos, rubber and sulphur, all intermixed together and compressed and vulcanized, and having a friction surface provided with an aperture therein, and a



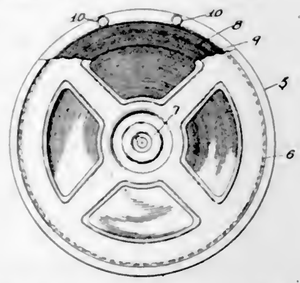
graphite member inserted in said aperture and having an exposed surface flush with the friction surface of the main body of such friction shoe member.

1,468,635. TUBE-FORMING MACHINE. CLIFFORD B. HIGGINS, Detroit, Mich. Filed May 29, 1922. Serial No. 564,353. 17 Claims. (Cl. 113—34.)



1. A machine of the character described and wherein a series of forming instrumentalities are provided for forming a sheet metal ribbon into tube form, continuously operated feed mechanism for intermittently gripping and and pulling the ribbon and formed tube through the machine with a step by step movement, and means operating in timed relation to said intermittent feed mechanism for automatically severing the finished tube.

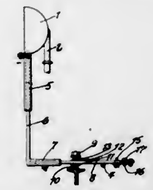
1,468,636. BAND FOR FILM REELS. AUGUST E. HOEFT, Brooklyn, N. Y. Filed May 12, 1922. Serial No. 560,499. 4 Claims. (Cl. 206—59.)



1. A band for holding films upon reels, said band being composed of resilient material of approximately the same transverse dimensions as the film employed and substantially circular in form and adapted to be located between the side members of the reel and to serve as an inclosure for the film thereon, the end portions of said band being

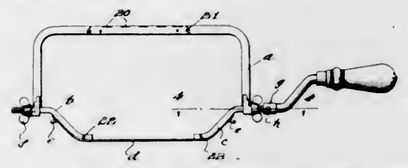
provided with outwardly turned and exposed beaded members serving as finger pieces, one of said beaded members being located at one end of the band, and the other at a predetermined distance from the other end of the band.

1,468,637. DIRIGIBLE HEADLIGHT. JOHN W. JENNINGS, St. Louis, Mo. Filed May 19, 1921. Serial No. 470,878. 6 Claims. (Cl. 240—62.)



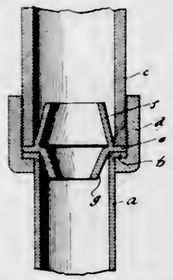
1. In an automobile having a front axle, the combination of headlights, vertical supports on which the headlights are mounted for lateral turning movements, a link connecting the headlights, an arm attached to said link, a lever extending forwardly and rearwardly across the front axle and having pivotal connection therewith, an angular element having telescoping connection with said arm and with said lever, and means for operating said lever from the steering mechanism of the automobile.

1,468,638. SAW. HARRY B. KIMMEL, Highland Park, Mich. Filed Jan. 9, 1922. Serial No. 527,975. 3 Claims. (Cl. 145—34.)



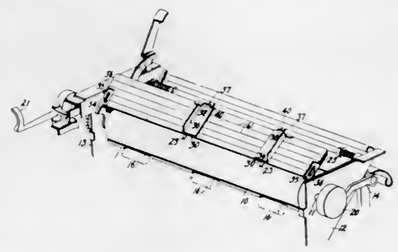
1. A hack saw having in combination a handle, a yoke like frame connecting with the handle and longitudinally extensible and contractable, a pair of members having elbow portions secured to the ends of the yoke and adapted to bow out the intermediate portion of the blade beyond the ends of the yoke so that the handle and yoke ends will clear a surface contacted by the side of the blade, and means on the ends of said members for holding the blade in substantially the plane of the yoke when the frame has been adjusted to an extended position.

1,468,639. PACKING WASHER. HARRY B. KIMMEL, Highland Park, Mich. Filed May 10, 1922. Serial No. 559,736. 2 Claims. (Cl. 288—1.)



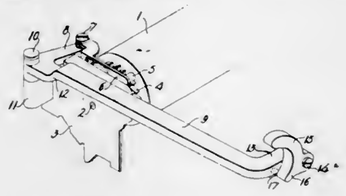
1. A packing washer comprising a body portion having a hollow interior and open at both ends, and a laterally extending flange integral therewith and positioned intermediate of the ends of the said body portion, and beads extending around said body portion at the union between the flange and the body portion, composed of distortable and easy-flowing material whereby the material of said bead is caused to flow into the flange when pressure is applied thereto.

1,468,640. TYPEWRITING MACHINE. ALFRED G. F. KUROWSKI, Brooklyn, N. Y., assignor to Underwood Typewriter Company, New York, N. Y., a Corporation of Delaware. Original application filed Sept. 9, 1919, Serial No. 322,630. Divided and this application filed Nov. 4, 1920. Serial No. 421,641. 16 Claims. (Cl. 197—127.)



1. The combination with a platen, of a paper-table above the platen, a gage adjustable along the length of the platen upon said table, an extension of said gage behind the table, and a finger upon said extension adapted to yieldingly hold a work-sheet upon the platen and guide it beneath the table.

1,468,641. TYPEWRITING MACHINE. ALFRED G. F. KUROWSKI, Brooklyn, N. Y., assignor to Underwood Typewriter Company, New York, N. Y., a Corporation of Delaware. Filed Oct. 15, 1920. Serial No. 417,192. 10 Claims. (Cl. 197—114.)

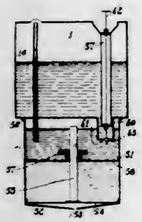


1. In a typewriting machine having a rotative platen, line-spacing mechanism therefor, including an upstanding finger-piece mounted for movement to a lower position when out of use, said finger-piece having a normal tendency to rise to its upstanding position and being adapted to be pressed downward to its lower position of non-use by a cover for the machine, and to rise automatically to its upstanding position of use when the pressure of the cover is removed.

1,468,642. COFFEE AND THE LIKE PERCOLATOR. JULES LOUIS LEMOINE, Paris, France. Filed Aug. 9, 1920. Serial No. 402,269. 5 Claims. (Cl. 53—3.)

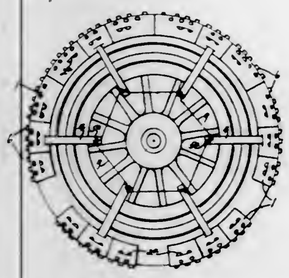
1. In a percolator for making infusions from coffee and the like, a cylindrical filter body having a bottom provided with a capillary orifice for controlling the rate of flow of the infusion, a lower sleeve secured in the said filter body above its bottom and adapted to support the material to be treated, such as ground coffee, a perforated disc freely movable in the said filter body and adapted to bear on the material to be treated, exerting

constant pressure thereon, an air outlet tube carried by the said filter body, means for insuring the communication of the said tube with the free space enclosed be-



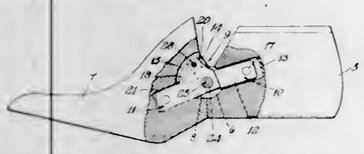
tween the said lower sieve and the bottom of the said filter body, and means insuring the communication of the said tube with the outside of the said filter body.

1,468,643. EXTERIOR RUBBER-TIRE PROTECTOR. JOHN J. MCDONALD, West View, Pa. Filed Jan. 31, 1921. Serial No. 441,182. 1 Claim. (Cl. 152—16.)



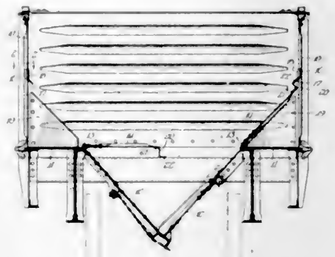
An exterior rubber tire protector comprising a series of apertured and transversely slotted plate members, a second series of plates having corner disposed lugs for interlocking engagement with and covering the joints of the first mentioned series of plates, removable and renewable wearing elements projecting through the apertures of the first mentioned plates and bearing against the said second series of plates, and registering T-headed apertured strap members interlocking with the slotted plates for removably securing the protector in functioning position.

1,468,644. SHOE LAST. CLIFFORD KIRBY MACDONALD, Brockton, Mass. Filed Aug. 14, 1922. Serial No. 581,587. 19 Claims. (Cl. 12—136.)



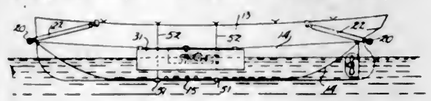
1. In a shoe last, a heel section, a toe section, hinge members pivotally connecting said sections together, one of said members comprising a resilient plate, the other of said members comprising a locking element adapted to assume a locking position upon relative movement of said sections and cooperate with said plate to retain said sections in extended position with respect to each other, the resiliency of said plate being depended upon to retain said locking element in locking position.

1,468,645. CAR CONSTRUCTION. JOHN O. NEIKIRK, Lombard, Ill., assignor to Rodger Ballast Car Company, Chicago, Ill., a Corporation of Maine. Filed Dec. 11, 1922. Serial No. 606,021. 6 Claims. (Cl. 105—243.)



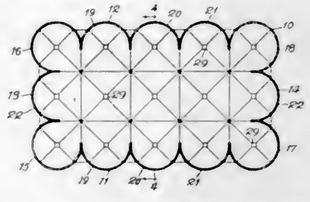
1. A convertible railway car comprising means providing hopper doors hinged along longitudinal axes adapted in certain positions to cover said hopper and in other positions to form sloping walls for said hopper, said car having corrugated side walls, said side walls being provided with bracket members conforming to the corrugations of said side walls and providing a flat bearing surface for the edges of said doors when said doors are in position to form sloping walls.

1,468,646. APPARATUS FOR CLEANING SHIPS' BOTTOMS. JOHN OVERALL, Drummoyne, near Sydney, New South Wales, Australia. Filed Nov. 28, 1922. Serial No. 603,731. 3 Claims. (Cl. 114—222.)



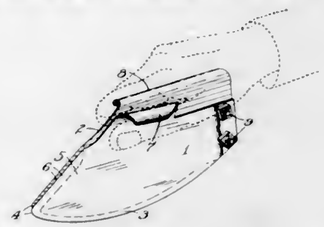
1. Apparatus for cleansing ships' bottoms comprising a working rope, scraping devices attached to such rope, means for imparting reciprocating motion to the said rope, means for adjusting its working position both in horizontal and vertical plane in relation to the hull of the vessel, and means for advancing or retiring the position of the scrapers relative to the cleaned portion of the hull of the vessel, as the work proceeds.

1,468,647. BUNKER. CHARLES PAFF, New York, N. Y. Filed Feb. 14, 1920. Serial No. 358,598. 2 Claims. (Cl. 72—6.)



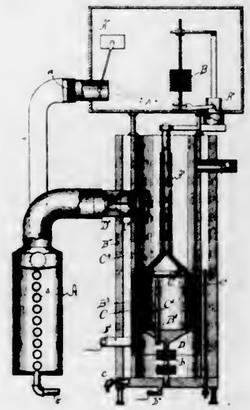
1. A bunker, comprising a chamber supported above passage-ways, said chamber having walls composed of joined corner sections and intermediate sections, the corner sections being curved throughout three quadrants thereof and the intermediate sections being substantially semi-circular, the chamber having a bottom composed of a series of substantially cone shaped pockets arranged so that the wall of each pocket serves as a separate bottom for the part of the area of the chamber embraced within and adjacent each curved section of the wall of the chamber, and gate controlled outlets in the apices of the pockets, leading to the passage-ways.

1,468,648. SEGMENTING TOOL FOR CITROUS FRUIT. RALPH B. POLK, Greenwood, Ind. Filed Jan. 24, 1923. Serial No. 614,713. 8 Claims. (Cl. 146—3.)



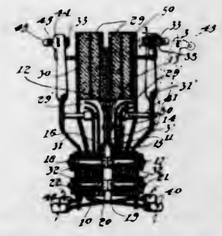
3. A segmenting tool for citrous fruit comprising a pair of wide blades having arcuate sharpened cutting edges and spaced apart to permit the blades to straddle the rag of the fruit, said blades having finger grips at the back edges thereof.

1,468,649. PROCESS FOR ELECTRICALLY TREATING LIQUIDS. HARRY B. RUDD, Mansfield, Ohio. Filed Mar. 3, 1920. Serial No. 362,927. 10 Claims. (Cl. 204—24.)



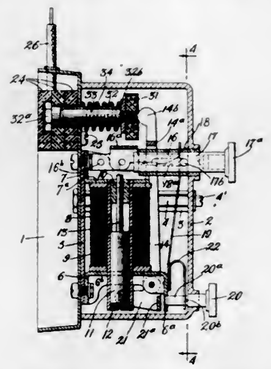
1. A process of electrically treating liquids consisting in gradually heating said liquid to a predetermined temperature, then causing it to pass between electrodes where it is subjected to a high voltage alternating current.

1,468,650. LIGHTNING ARRESTER AND HEAT COIL. ROY GRANVILLE SANDS, Waukegan, Ill., assignor to Frank B. Cook Company, Chicago, Ill., a Corporation of Illinois. Filed May 28, 1919. Serial No. 300,435. 15 Claims. (Cl. 200—115.)



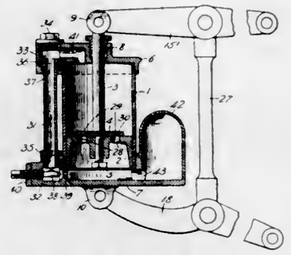
1. In a combination lightning arrester and heat coil unit, a mounting plate provided with perforations, lugs upset from said plate adjacent to said perforations, a spring assembly mounted on said mounting plate, bolts extending through said perforations and adapted to retain said spring assemblies in position, said bolts being provided with square heads which cooperate with said lugs to prevent turning movement of said bolts.

1,468,651. CIRCUIT BREAKER. JOHN R. SPURRIER, Bethlehem, Pa., assignor to Roller-Smith Company, a Corporation of New York. Filed Sept. 29, 1919. Serial No. 327,149. 13 Claims. (Cl. 200—106.)



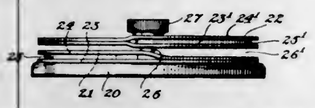
9. A circuit breaker comprising a pivoted element for closing the breaker, a latch for retaining said pivoted element in closed position, a device for tripping said latch, manually controlled means for engaging said element for closing the breaker independently of said latch, an element controlled by said means for preventing said tripping device from tripping the latch during the initial closing of the breaker, and means for moving said latter element upon release of said manually controlled means to permit the operation of said device.

1,468,652. SHOCK ABSORBER. WILLIAM J. STOREY, Port Melbourne, Victoria, Australia. Filed Oct. 11, 1918. Serial No. 257,710. 2 Claims. (Cl. 188—88.)



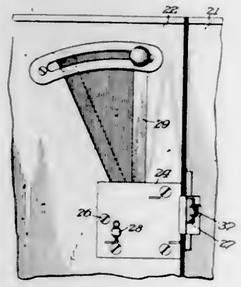
1. A shock absorber comprising an oil filled cylinder, a cover on said cylinder, a stuffing box in said cover, a piston rod passing through said stuffing box, a perforate piston fitting said cylinder and mounted on the piston rod to have a limited to and fro movement thereon; a plate fixed on said piston rod having small holes in line with the perforations in the piston, a by-pass connecting the upper and lower ends of said cylinder, an adjustable valve in said by-pass, an air compression chamber in communication with the lower end of the cylinder, and means to connect the piston rod and the cylinder to the chassis frame and the axle of the vehicle respectively, substantially as described.

1,468,653. CONDENSER. CLARENCE D. TUSKA, Hartford, Conn. Filed July 30, 1923. Serial No. 654,753. 9 Claims. (Cl. 250—41.)



9. A variable condenser comprising, a flat immovable conducting sheet, an insulating layer adjacent thereto and upon which the surface of the conducting sheet is adapted to contact, said insulating layer being carried by the support for the condenser, and a movable flexible conducting element for varying the capacity of the condenser.

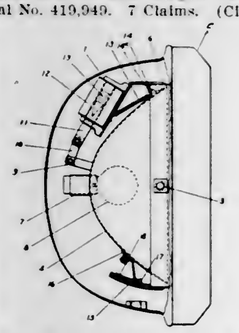
1,468,654. LOCK. JOHN F. WHITE, Chicago, Ill., assignor, by mesne assignments, to White Products Company, Chicago, Ill., a Corporation of Illinois. Filed Aug. 31, 1916. Serial No. 117,839. 13 Claims. (Cl. 292—173.)



1. In a lock for swinging doors, a bolt having its end reduced in width and deflected obliquely forward to provide an inclined side face, and a keeper having an angular slot to receive the bolt end and having a portion at the terminus of the slot arranged to serve as an abutment for and to coact with the inclined face of the bolt end to draw the bolt outwardly from the lock into the offset portion of the slot in the keeper as the door is closed.

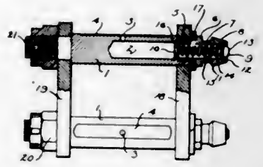
5. In a lock, the combination of a sliding bolt, an operating lever having a fixed fulcrum and a floating connection to the bolt, and a spring bearing on the lever, the point of application of the lever to the bolt being nearer the fulcrum in the retracted than in the projected posttions of the bolt.

1,468,655. VEHICLE LIGHT. LEO R. YEAGER and WAYNE M. HOLMES, Columbus, Ohio, assignors, by mesne assignments, to said Yeager. Filed Oct. 27, 1920. Serial No. 419,949. 7 Claims. (Cl. 240—41.)



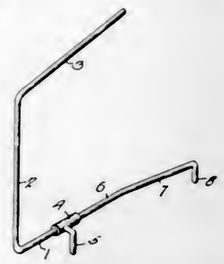
1. In a vehicle lamp, a light source in an electrical circuit, parts adjustable to throw the beam of light in a direction away from horizontal, electrical means for effecting such adjustment, means for positioning said electrical means by a circuit outside the light source, and electrical means for maintaining adjusted position by a circuit through the light source, said last means being automatically rendered effective by the position of said first means.

1,468,656. LUBRICATING SHACKLE BOLT. CLYDE G. BUTLER, Dayton, Ohio. Filed Mar. 1, 1922. Serial No. 540,344. 1 Claim. (Cl. 267—54.)



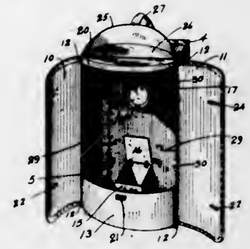
The combination with a pair of spaced spring shackles having openings adjacent each end, the openings in one shackle being alined with the openings in the other; of a spring shackle bolt having a body portion provided with a chamber for oil therein open at one end and threaded interiorly, said bolt having each end exteriorly reduced to fit in the respective openings of a respective shackle, said reduced ends providing shoulders holding said shackles in spaced relation, the reduced end remote from the open end of the chamber being threaded and provided with a nut to bear against the exterior of one of the shackles, the remaining reduced end being of substantially even thickness with the shackle through which it passes, a combined bolt retaining and valve member screwed into the open end of the chamber of said bolt, said bolt retaining member having its inner end threaded for the purpose aforesaid and provided at the extremity of the threaded portion with a collar forming a nut, a washer located beneath said collar and bearing against the respective shackle, said bolt retaining member having an opening extending therethrough, and a normally closed spring pressed valve carried by the bolt retaining member and providing means for the admission of oil to the chamber of the bolt.

1,468,657. CURTAIN HOLDER FOR DOORS OF AUTOMOBILES. ARCHIE L. CHRISTIAN, Beaver City, Nebr. Filed Feb. 14, 1922. Serial No. 536,548. 4 Claims. (Cl. 296—139.)



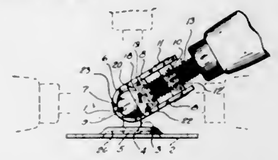
1. A curtain holding device for automobile doors, consisting of a rod suitably shaped to seat in a curtain pocket extending around the edge of the bottom and one side of the curtain, means for releasably securing said rod in place on the door of the automobile, and an extension rod longitudinally adjustable and detachable relatively to the first mentioned rod and operatively connected therewith, said last named rod having a down-turned end to engage the automobile door.

1,468,658. LADY'S HATBOX. ALFRED JOHN CRANTZ, Denver, Colo. Filed July 22, 1922. Serial No. 576,674. 4 Claims. (Cl. 206—8.)



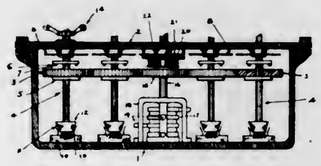
2. A hat box having substantially rectangular sides and bottom, and ends having the upper sides thereof curved, a cover member secured to each side and adapted to overlap each other to form a closure, and a flap hinged to the end of the box adapted to cover the upper ends of said cover sections.

1,468,659. ADJUSTABLE LOCK JOINT. HARRY COHEN, Brooklyn, N. Y., assignor, by direct and mesne assignments, to Anyway Sweeper Manufacturing Company, Inc., a Corporation of New York. Filed Aug. 5, 1921, Serial No. 489,982. Renewed Aug. 16, 1923. 4 Claims. (Cl. 306—9.)



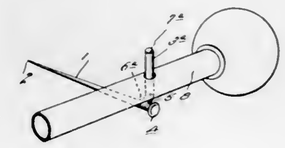
1. A ball and socket connection for a handle or the like comprising a U-shaped socket member, formed of substantially flat material, having a slot through the bend of the U; a member comprising a ball placed within the U and a stem projecting through the slot, said socket member rotarily adjustable relative to said ball member about said stem as an axis, to dispose the length of said slot in any plane radiating from said stem, said socket member capable of rocking displacement in the plane of said slot; the arms of the U being connected by a member and a screw passing through the latter to secure the ball in adjusted position by pressure against the edges of the slot.

1,468,660. SIGNALING SYSTEM. ARTHUR P. DAVIS, Brooklyn, N. Y. Filed Dec. 30, 1919. Serial No. 348,365. 4 Claims. (Cl. 177—337.)



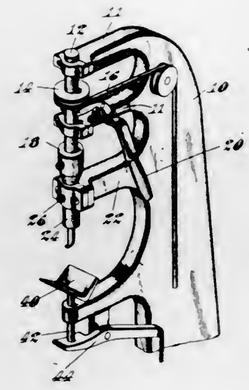
1. In a signaling system, a transmitter comprising the combination of a commutator for transmitting alternating current, a plurality of intermeshing gears connected to the movable member of the commutator for driving it, a plurality of operating devices, one for each of said gears, normally disconnected from the gears, and means operated by movement of any operating device for closing an electric circuit and for connecting that operating device to its corresponding gear for driving the rotating member of the commutator, and a receiver comprising the combination of a motor receiving current from the commutator of the transmitter, a plurality of intermeshing gears driven by the motor, indicators each adapted to be driven by one of the gears and electro-responsive devices each controlled by the contacts of one of the operating devices of the transmitter and each adapted to effect connection of one of the gears of the receiver to an indicator so that the gear may operate the indicator.

1,468,661. BRACKET NAIL. DAVID FRIEDMAN, Roxbury, Mass. Filed Sept. 8, 1922. Serial No. 586,872. 1 Claim. (Cl. 156—22.)



A nail of the class described comprising a straight shank having one end enlarged to provide a circular driving head, said shank tapering to a point from the head to the other end thereof, and a straight arm integral with the shank and projecting laterally from the latter adjacent the head, said arm being adapted to project upwardly from the shank in use, the inner end of the arm being spaced from the head, substantially as and for the purpose described.

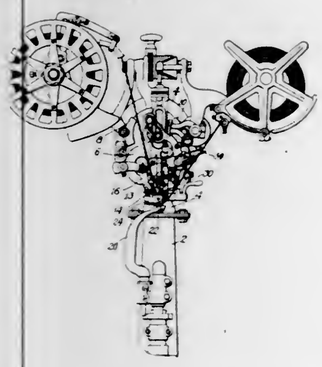
1,468,662. MACHINE FOR UPSETTING AND CLINCHING TUBULAR FASTENERS. JOHN H. GIFFORD, Milwaukee, Wis., assignor to United Shoe Machinery Corporation, Paterson, N. J., a Corporation of New Jersey. Filed Mar. 20, 1918. Serial No. 223,545. 6 Claims. (Cl. 218—1.)



5. In a machine of the character described, a rotary spinning member having a working portion adapted to turn over and to clench an end of a tubular article, and having a cylindric portion adapted to fill the throat

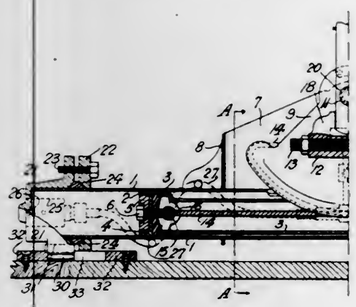
and to co-act with the internal surface of the article to keep the latter centered relatively to the axis of the member, said working portion being insertable through the article from the opposite end, and an anvil constructed and arranged to co-operate with said working portion to clench an article interposed between them.

1,468,663. MACHINE FOR OPERATING ON SHOE STOCK. GEORGE GODDU, Winchester, and FRED LUTHER MACKENZIE, Beverly, Mass., assignors to United Shoe Machinery Corporation, Paterson, N. J., a Corporation of New Jersey. Filed Oct. 24, 1918. Serial No. 259,569. 26 Claims. (Cl. 12—67.)



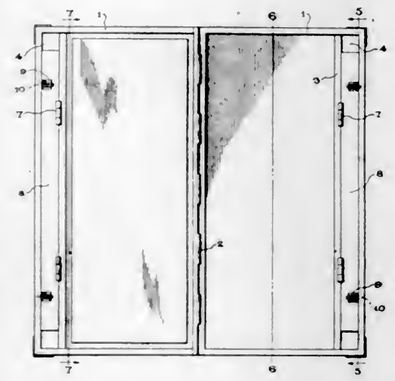
1. In a machine of the class described, the combination of a cutter for slitting shoe stock and means for inserting string nails into the stock comprising an awl and means for operating the awl to penetrate and feed the stock intermediate between the operations of the cutter.

1,468,664. PUMP. SIDNEY EALES HALES, Blackheath, London, England. Filed Mar. 28, 1922. Serial No. 547,426. 6 Claims. (Cl. 230—27.)



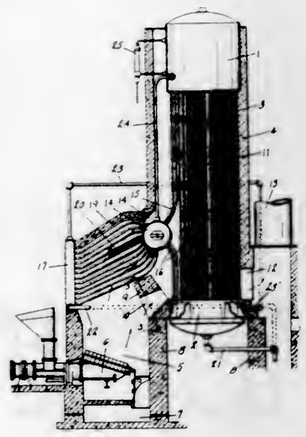
3. In a pump, the combination of a pair of coaxial cylinders, a pair of pistons one in each cylinder, a T shaped projection on each cylinder, a pair of plates, lugs on the plates adapted to engage the projections, a groove in one of said plates, a cam rotatably mounted on one of the cylinders and adapted to engage the groove, means for connecting the pistons rigidly together, a rocking segment whose circumferences comes close to the axis of the cylinders, flexible means connecting each piston to the segment, and means for rocking the segment.

1,468,665. COMBINATION KITCHEN FURNITURE. ROOT E. KIMBALL, Fort Wayne, Ind. Filed Sept. 29, 1922. Serial No. 591,227. 2 Claims. (Cl. 150—12.)



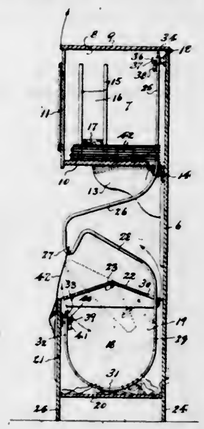
1. A combined article of furniture comprising two substantially rectangular sections having open sides confronting each other and hinged together at one edge after the fashion of a suitcase, partitions in said sections adjacent to the top forming walls thereof spaced apart short distances from said top forming walls to provide chambers, legs hinged in said chambers for swinging movement into and out of the same, whereby the device may be converted into a table, and strips at the open sides of said chambers, respectively, hinged for swinging movement to open and closed position.

1,468,666. VERTICAL WATER-TUBE BOILER. GLENVILLE J. G. LACEY, Kalamazoo, Mich. Filed May 8, 1922. Serial No. 559,326. 10 Claims. (Cl. 122—336.)



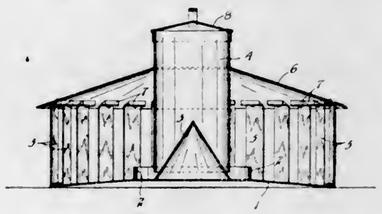
10. The combination with a vertical water tube boiler of an auxiliary transverse header coupled into the vertical tubes thereof, a front header and inclined tubes from the front header to the auxiliary header, and a furnace disposed below the said inclined tubes, all co-acting as specified.

1,468,667. TOWEL-SERVICE CABINET. DAVID LEIBOW and MORRIS COHEN, New York, N. Y. Filed July 20, 1921. Serial No. 486,059. 10 Claims. (Cl. 45—32.)



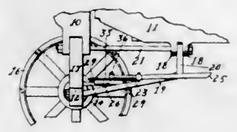
1. A towel service cabinet comprising a clean towel compartment and a soiled towel compartment, the former being vertically spaced above the latter, a towel retaining rod to which the towels are movably attached, said retaining rod extending from the clean towel compartment into the soiled towel compartment, said retaining rod having an exteriorly disposed forwardly projected suspension loop intermediate said compartments shaped for temporarily suspending a withdrawn towel above the soiled towel compartment in convenient position for use, means for releasably supporting the upper end of said retaining rod whereby when said upper end is released clean towels may be engaged with the rod, and similar means for releasably supporting the lower end of said retaining rod whereby when said lower end is released soiled towels may be disengaged from the rod.

1,468,668. CHICK-FEEDING DEVICE. GEORGE W. MITCHELL, Le Roy Township, Mower County, Minn. Filed Aug. 10, 1922. Serial No. 580,896. 4 Claims. (Cl. 119—52.)



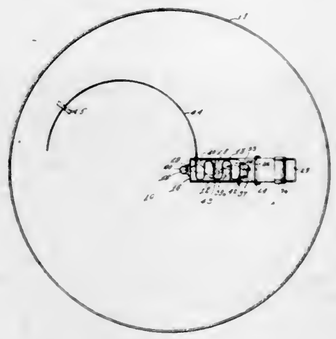
1. A poultry feeding device having in combination, a bottom member forming a floor for the poultry and accessible to the poultry from all sides having a central substantially horizontal portion and sloping away from said portion toward its outer edge, a feeding trough supported on said horizontal portion and accessible to the poultry on said floor from all sides, a vertically disposed fixed container extending upwardly from said trough, and a cover member spaced above said bottom member and sloping outwardly and downwardly from said container to a point slightly beyond the edge of said bottom member, and spaced means extending between the cover and bottom member and adjustable to vary the spaces therebetween whereby poultry of a certain size may be excluded.

1,468,669. NARROW-TREAD FRONT-WHEEL ATTACHMENT FOR TRACTORS. JOHN L. OPITZ, Clarinda, Iowa. Filed Dec. 5, 1922. Serial No. 605,017. 3 Claims. (Cl. 280—95.)



1. An improved narrow tread front wheel attachment for tractors comprising a narrow front axle, spindles mounted on its ends, supporting wheels on said spindles, a steering arm for each spindle, a connecting rod pivoted to the ends of said steering arms, a ball guide fixed to the connecting rod and extended forwardly and rearwardly, a ball slidingly and rotatively mounted therein, a steering lever fulcrumed in the rear of the ball guide and having an end extended forwardly over the ball guide, a ball connected to the said steering lever and mounted within the ball guide, and means for operating the steering lever, for the puroses stated.

1,468,670. TANK HEATER AND WATER CIRCULATOR. ALBERT H. OSTRANDER, Panora, Iowa. Filed Dec. 6, 1921. Serial No. 520,339. 4 Claims. (Cl. 126—360.)

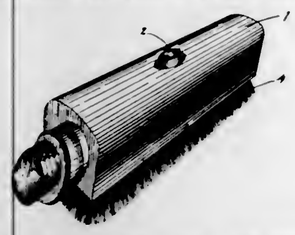


1. The combination of a tank with a water heater having a body portion of substantially a rectangular shape and arranged with its longitudinal axis radial within the tank, means for supplying heat to the interior of the body portion, a circulating coil within said body portion having each of its ends communicating with the water within the tank and surrounding said body portion, the discharge end of said coil being provided with a curved pipe having its discharge at the opposite side of the tank from which the body portion is mounted, and in such a manner that water being discharged from said pipe will flow in a circular manner adjacent to the wall of said tank, and cause the water within the tank to travel transversely over the said body portion.

1,468,671. COMBINED STAIN REMOVER AND BRUSH. ENRIQUE PASINI, Mexico, Mexico. Filed Feb. 24, 1922. Serial No. 538,975. 1 Claim. (Cl. 15—134.)

A stain remover comprising a liquid receptacle having an outlet opening at one end, the end adjacent said opening being threaded; a sleeve on said threaded end having an inturned flange on the inside and at the outer end of said sleeve and a small vent perforation therein; an annulus adjacent said perforation, secured in said sleeve and

having a stopper thereon for association with said outlet opening, said annulus also having spaces therein; capillary pads in the spaces of said annulus; a roll of absorbent ma-



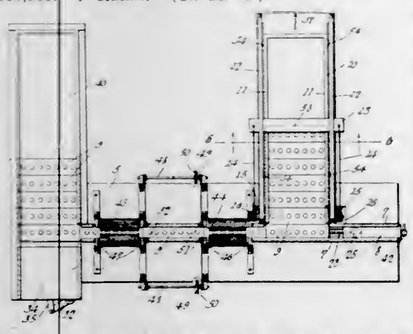
terial in the outer end of the sleeve and secured therein by said flange; and a cap adapted to fit on said sleeve and cover said roll.

1,468,672. SIGN FOR AUTO DOORS. CHARLES C. PATTEN and JOHN H. DATE, Minneapolis, and FRANK B. MADIGAN, Mankato, Minn. Filed Apr. 13, 1922. Serial No. 552,255. 2 Claims. (Cl. 40—125.)



1. A detachable advertising device for a vehicle door comprising, a sheet of material bent substantially at right angles at its upper end to form an inverted channel, which channel is adapted to fit over the top of said door, the inner side of said channel being equipped with spaced bowed spring plates covered with non-abrasive material adapted to contact the inner side of said door to hold the device firmly in position, the main portion of the sheet extending over the outside of the door to constitute a sign.

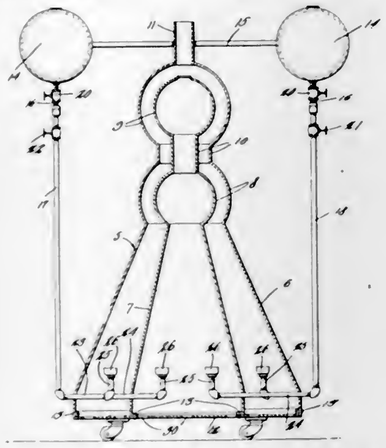
1,468,673. RING-FORMING MACHINE. SAMUEL PRICE, Ravenna, Ohio. Filed Aug. 23, 1922. Serial No. 583,905. 7 Claims. (Cl. 18—2.)



1. In a device of the character described, a table, guideways formed longitudinally of the table, pairs of brushes rotating adjacent to the guideways, a magazine for containing form supports, positioned at one end of the table, means associated with the magazine for feeding the supports to the guideways, means operating in the guideway for moving the supports between the brushes, and means for feeding the supports into a receiving magazine.

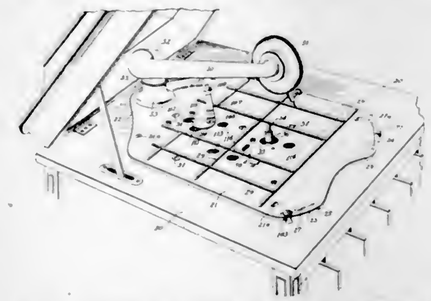
2. In a device of the character described, a table, a guideway mounted on the table, pairs of brushes supported on the table over the guideway, means for adjusting the brushes of each pair with respect to each other, a form supporting magazine adapted to feed form supports into the guideway, and means at one end of the guideway, and means at one end of the guideway for receiving the form supports.

1,468,674. OIL HEATER. JAMES T. RAY, Campbell, Tex. Filed May 31, 1923. Serial No. 642,649. 3 Claims. (Cl. 126—93.)



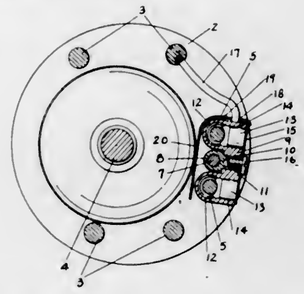
1. An oil burning stove including an outer wall and an inner wall, the walls being spaced apart to provide compartments, the upper ends of the walls being curved to provide heating chambers, oil burners supported within the compartments, and means for supplying fuel to the oil burners.

1,468,675. CONTROL MECHANISM. THEODORE C. ROBERTS, New York, N. Y., assignor to Columbia Graphophone Manufacturing Company, Bridgeport, Conn., a Corporation of Delaware. Filed May 5, 1921. Serial No. 467,114. 89 Claims. (Cl. 192—118.)



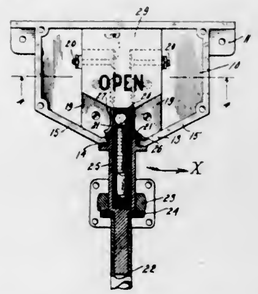
1. In combination, a traveling element, a rotating element, stop mechanism, a pivoted lever adapted to actuate the stop mechanism to stopping or non-stopping position, a cam lever engaging the pivoted lever to retain it yieldably in either of its moved positions, an oscillating lever adapted, in one direction of movement, to engage the pivoted lever and move it to stopping position, means cooperating with the rotating element to oscillate the oscillating lever, a pivoted latch adapted to lock the actuating member in non-stopping position, a follower finger for the pivoted latch in frictional engagement with the traveling element, said latch having a locking portion and a camming portion, the locking portion adapted to prevent movement of the oscillating lever to stopping position, the camming portion adapted, as the oscillating lever is oscillated away from stopping position, to move the locking portion of the latch out of locking relation with the oscillating lever, the latch adapted to release the oscillating lever when the traveling element ceases to travel.

1,468,676. FISHING REEL. SAMUEL G. RUSSELL, Kalamazoo, Mich., assignor to Shakespeare Company, Kalamazoo, Mich. Filed Aug. 11, 1922. Serial No. 581,075. 10 Claims. (Cl. 242—84.4.)



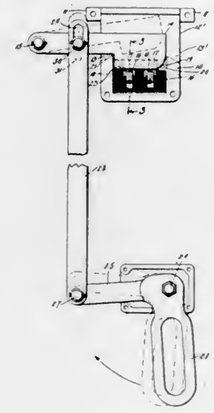
1. In a fishing reel, the combination of a frame, a spool, a pair of traversing shafts disposed in parallel spaced relation, a carriage slide rod disposed between and parallel to said traversing shafts, a carriage guide member slidable on said rod, a line guide carriage having openings for said shafts and having pawl sockets open at their outer ends and an opening between said sockets pivotally engaging said guide member, pawls disposed in said sockets to coact with said shafts, a pawl retaining plate overlapping the outer ends of said pawl sockets, a screw tapped into said carriage guide member to retain said carriage and said plate, a housing for said traversing shafts and guide rod arranged at the rear thereof and having a top portion overhanging the same, said top portion being longitudinally slotted, and a line guide member on said carriage projecting upwardly through said slot.

1,468,677. DOOR LOCK FOR ELEVATORS. JOSEPH T. SCHLESINGER, New York, N. Y., assignor, by mesne assignments, to Utility Safety Appliance Corporation. Filed Apr. 19, 1921. Serial No. 462,676. 1 Claim. (Cl. 187—61.)



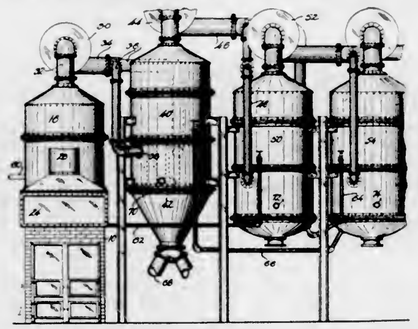
In a door-lock for elevators, the combination with a casing having an opening in its bottom mounted upon the door frame, of a locking slide bar on the elevator door, spaced apart contact plates within said casing in the motor control circuit of the elevator, a metallic plug carried by said slide bar for bridging the gap between said contact plates when said bar is projected through said opening into said casing, and an insulating body having a portion fitting the gap between said contact plates, said body being freely slidable in said casing and resting on said plug when the latter is within said casing, dropping by gravity onto the casing bottom when said slide bar is withdrawn from said casing.

1,468,678. DOOR LOCK FOR ELEVATORS. JOSEPH T. SCHLESINGER, New York, N. Y., assignor, by mesne assignments, to Utility Safety Appliance Corporation. Filed May 17, 1921. Serial No. 470,458. 3 Claims. (Cl. 187—31.)



2. In a door-lock for elevators, the combination with a casing having an opening in one of its sides mounted upon the door frame, of a latch bolt pivoted to the elevator door, spaced apart contact plates within said casing in the motor control circuit of the elevator, an electric conductor carried by said latch bolt for bridging the gap between said contact plates, and co-acting means on said bolt and casing for swinging said bolt around its pivot so as to bring its locking end in registry with the opening in said casing when the door is shifted to closing position, said latch bolt being actuated by gravity to complete the motor control circuit when the conductor thereon is disposed wholly within said casing.

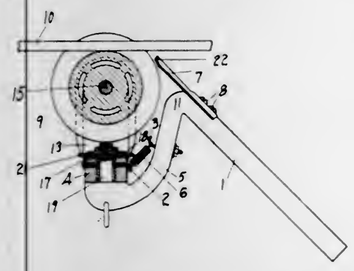
1,468,679. CONCENTRATING EVAPORATOR. THOMAS M. SKINNER, Jr., Douglas, Wyo. Filed Apr. 15, 1920. Serial No. 374,022. 4 Claims. (Cl. 159—20.)



3. An evaporating apparatus comprising a boiler to receive weak liquor, a series of evaporators, means for leading the heated liquor from the boiler to the first

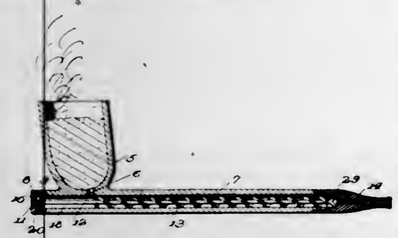
evaporator of the series, means for leading said liquor from one evaporator to another, a connection leading from the upper portion of the boiler to the last of the series of evaporators, a pump in said connection to withdraw vapors from the boiler by vacuum and introduce them into said last evaporator under increased pressure, and connections and a pump for taking the vapors from said last evaporator by vacuum and introducing it to the first under increased pressure.

1,468,680. WHEEL MOUNT. EDWARD TELLESON, Binghamton, N. Y. Filed Apr. 26, 1919. Serial No. 292,856. 1 Claim. (Cl. 191—59.)



The combination with an ordinary trolley head, wheel, and wire, of a trolley pole having a goose neck at its upper end; and a straight tongue secured to the upper end of the goose neck and extended upwardly and backwardly adjacent the trolley wire and wheel, as means for preventing cross wires becoming caught in front of the trolley wheel.

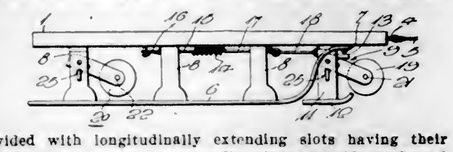
1,468,681. PIPE. PETRUS J. A. UYTENBOGAART, Dauphin, Manitoba, Canada. Filed Feb. 14, 1922. Serial No. 536,446. 4 Claims. (Cl. 131—12.)



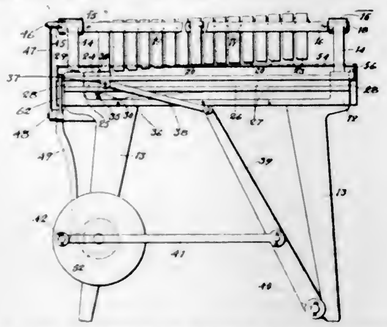
4. A pipe comprising a stem having a cap at one end, a bowl connected to the stem at a point spaced from one end, a rod extended through the stem and having a spiral smoke baffle of rubber terminating beneath the bowl thereby forming a chamber in said stem, a head carried by the forward end of said rod, said cap being provided with an opening snugly receiving said head, a rubber ring mounted on said rod at one end of said chamber, one end of said rod being forked and extended beyond said stem and a mouth piece receiving the formed portion of said rod.

1,468,682. COASTER. FRANK W. WALLACE, Chattanooga, Tenn. Filed Sept. 14, 1922. Serial No. 588,204. 2 Claims. (Cl. 280—9.)

1. A coaster comprising a platform, ground engaging runners extending beneath the platform, and a truck element pivotally mounted beneath the platform adjacent the forward ends of said runners and having depending arms terminating in runner feet, the platform being provided with longitudinally extending slots having their forward end portions extending beyond said truck and permitting access to said truck for steering with the feet.

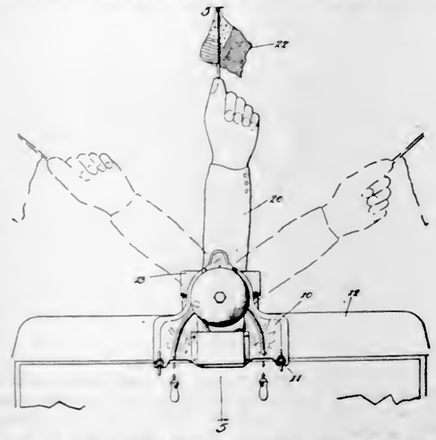


1,468,683. HEEL-LIFT-ASSEMBLING MACHINE. SAMUEL J. WENTWORTH, Newport, Ky., assignor to United Shoe Machinery Corporation, Paterson, N. J., a Corporation of New Jersey. Filed Aug. 25, 1919. Serial No. 319,717. 21 Claims. (Cl. 72—50.)



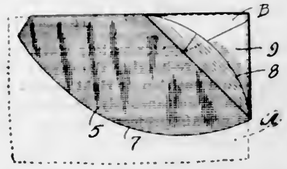
1. A heel lift assembling machine, having in combination, a plurality of movably mounted lift magazines, means for shifting the magazines from one position to another, means for applying paste simultaneously to lifts in a plurality of the magazines while the magazines are in one of said positions, and means for gathering the pasted lifts into a pile after the magazines are returned to normal position.

1,468,684. SIGNAL FOR AUTOMOBILES. SIRENAUS WELMAN WIGNER, Phoenix, Ariz., assignor of one-sixth to Elmer E. Pascoe, Phoenix, Ariz. Filed Feb. 6, 1922. Serial No. 534,613. 6 Claims. (Cl. 116—51.)



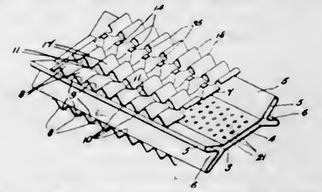
1. A signal for vehicles, comprising a housing having a side extension, a lever pivoted therein, means for normally holding the lever in central position and other means for swinging the lever out of said position; a signal arm slidably mounted in said side extension of the housing, a connecting element between said lever and said arm, whereby, upon said lever being operated, said signal arm will be simultaneously displaced in the housing.

1,468,685. BOOKMARK. JOSEPH C. WISE, Redwood City, Calif., assignor of one-fourth to Emma Meyers, Oakland, Calif. Filed May 31, 1922. Serial No. 564,845. 3 Claims. (Cl. 281—42.)



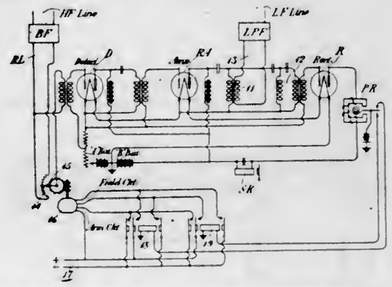
2. The herein described method of making a book mark which consists in severing one corner portion of the front side of an envelope along curved lines to produce an approximately horn-shaped member, and in severing that portion of the back of the envelope immediately behind and integral with said horn-shaped portion whereby to define a pocket between the front and back of the envelope.

1,468,686. RADIATOR FOR MOTOR VEHICLES. ARTHUR P. WOLFE, Philadelphia, Pa. Filed Sept. 27, 1920. Serial No. 413,023. 14 Claims. (Cl. 257—30.)



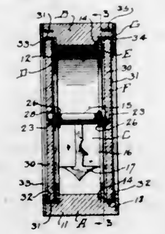
1. In a radiator the combination of a water tube comprising a flattened portion and angularly disposed extensions at each edge thereof; and a corrugated plate of sheet material secured to the exterior of said tube and spaced therefrom to form an air passage extending longitudinally of said tube, substantially as described.

1,468,687. TRANSMISSION REGULATION. HERMAN A. AFFEL, Brooklyn, N. Y., assignor to American Telephone and Telegraph Company, a Corporation of New York. Filed May 4, 1922. Serial No. 558,447. 7 Claims. (Cl. 178—44.)



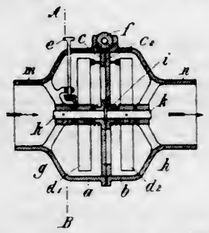
1. In a system for controlling transmission, a transmitting medium over which the carrier is transmitted together with the side band, the transmission efficiency of said medium being variable under different conditions, a receiving channel including a detector upon which the side band and carrier may be simultaneously impressed to detect the low frequency signaling currents represented by the side band, means to select from the output of the detector the unmodulated carrier frequency current, means to produce from the selected carrier component a current having characteristics depending upon the transmission conditions to which the carrier has been subjected, and a mechanical switching device operated by the current thus produced to adjust a circuit element of the receiving channel in accordance with the characteristics of the current thus produced to compensate for the change in efficiency of the transmitting medium.

1,468,688. LEVEL. ALVIN C. ELLIOTT, Grand Forks, N. Dak. Filed Jan. 30, 1922. Serial No. 532,703. 4 Claims. (Cl. 33—215.)



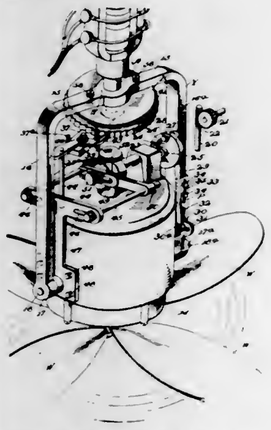
1. A gravity level comprising a stock having a transverse opening therein, the wall of the opening having its opposite ends rabbeted thus providing stop shoulders, annular protractor plates fitted in the rabbeted portions against said shoulders, transparent guard plates fitted in the rabbeted portions against said protractor plates, the inner faces of the transparent guard plates having axially disposed recesses formed in the inner faces thereof, friction socket plugs fitted in said recesses, an axially disposed shaft having its terminals disposed in the friction sockets, removable means for holding the transparent plates in position in said rabbeted portions against said protractor plates, a gravity operated bob including a barrel for receiving said shaft, an indicating head, and a connecting shank, bearings disposed between the barrel and the shaft, and thrust bearings disposed on said shaft intermediate the barrel and the transparent plates and the friction plugs carried thereby, the friction plugs forming means for holding the shaft against rotation.

1,468,689. THERMOSTATICALLY-CONTROLLED THROTTLING DEVICE. WILHELM EBERHARD ERNST, Berlin-Schoneberg, Germany. Filed Feb. 9, 1922. Serial No. 535,262. 6 Claims. (Cl. 236—93.)



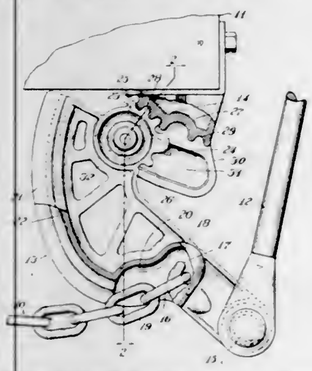
6. A thermostatic throttling device, comprising, in combination, a slide; a bi-metallic expansion-body; a motion-transmitting connection between said slide and said body; means for supporting the slide and the body; a casing enclosing the said parts and having an outer groove; and a thermometer in said groove, as set forth.

1,468,690. FAN. MAURICE M. GLASSER, Charleston, S. C. Filed Oct. 25, 1921. Serial No. 510,256. 9 Claims. (Cl. 230—1.)



1. A fan comprising a fan wheel having supporting and driving means therefor operating to bodily oscillate the fan wheel in one plane and to bodily rotate the same in another plane in a step by step movement, and means for damping the bodily rotational movements of the fan wheel in said step by step movement.

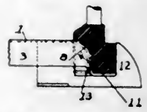
1,468,691. BRAKE-OPERATING MECHANISM. HARLEY E. ANDERSON, Chicago, Ill., assignor, by mesne assignments, to American Hand Brake Company, Chicago, Ill., a Corporation of Illinois. Filed Aug. 5, 1921. Serial No. 490,079. 27 Claims. (Cl. 74—110.)



1. In brake operating mechanism, the combination of members angularly disposed with respect to one another and each movable in substantially the direction of its length, and an element for transmitting power from one of said members to the other which has a rolling movement during the take-up of slack in the brake connections, and a pivotal movement on a fixed axis while the brakes are being set.

1,468,692. METHOD OF MAKING BOILER HEADERS. JOHN F. L. BAKER, Saginaw, Mich., assignor to The Wickes Boiler Company, Saginaw, Mich., a Corporation of Michigan. Filed Apr. 25, 1921. Serial No. 464,391. 4 Claims. (Cl. 29—157.4.)

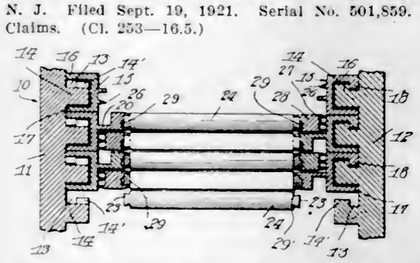
1. The herein described method of forming deep-flanged headers comprising trimming the corners of the header plate, to approximately circular form, heating a corner and pressing it to bend the edges at the corner slightly downwardly, heating the side edges of the plate and flanging them to a large radius and thereby forming an elongated scoop-shaped projection at each corner, re-heating and pressing said projection to form a practically spherical heel of the same radius as the flange radius, bending the projecting part of the scoop-shaped corner downwardly to an angle of approximately sixty degrees from the plane of the plate, re-heating the corner and pressing said projection into a position at right angles to the plane of the plate while simultaneously forcing a portion of the surplus metal of said projection to flow laterally into the flanges, to thereby restore said parts to uniform thickness.



1,468,693. BLEACHING PAPER PULP. JOHN C. BAKER, Nutley, N. J. Filed Jan. 7, 1922. Serial No. 527,726. 3 Claims. (Cl. 8—2.)

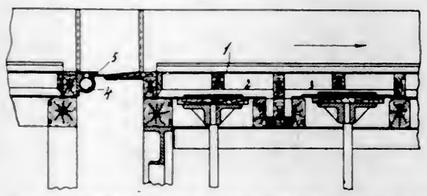
1. The process of bleaching pulp by an agent containing chlorine herein described, which consists in continuing the process until the bleaching effect is practically complete, then neutralizing or destroying in the pulp the remaining chlorine component and acidifying the pulp.

1,468,694. FLEXIBLE AND INSULATING, SUPPORTING, AND REENFORCING RINGS FOR CROWN BLADES OF TURBINES. ALFRED BONOM, Paterson, N. J. Filed Sept. 19, 1921. Serial No. 501,859. 5 Claims. (Cl. 253—16.5.)



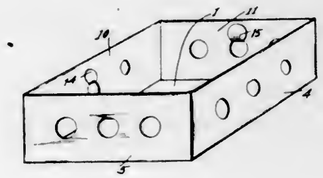
1. The herein described turbine comprising a rotor, said rotor having circular grooves formed therein, shoulders provided at the edges of the grooves, supporting members fitted in the grooves, shoulders provided upon the supporting members for cooperating with the shoulders at the edges of the grooves, and blades carried by said supporting members.

1,468,695. WATER-SUPPLYING DEVICE FOR PULP-SCREENING MACHINES. ADOLF HOFF BØRRESEN, Mjondalen, and KRISTIAN HOLTER, Skoien, near Christiania, Norway. Filed Mar. 25, 1922. Serial No. 546,910. 3 Claims. (Cl. 92—32.)



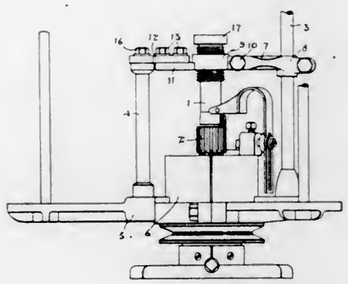
1. In a water supplying device for pulp screening machines a horizontal supplying tube extending transversely across the screening surface, immediately below the level of the same and a jet mouth piece thereon extending in the form of a horizontal slot substantially across the whole breadth of the screening surface and immediately above the level of the screening surface, said slot shaped jet mouth piece being adapted to spray a thin film of water along the screening surface below the pulp and in the direction of movement of the same.

1,468,696. FRUIT-BOX BLANK. WILLIAM J. BRAY, San Francisco, Calif., assignor to Schmidt Lithograph Company, a Corporation of California. Filed June 8, 1921. Serial No. 476,064. 1 Claim. (Cl. 229—34.)



A berry or fruit carton comprising a rectangular base having a side panel at each edge thereof, an end tab carried by each side panel and shorter than it, an auxiliary flap on each side panel, said auxiliary flaps being adapted to be turned inside the box to cover the side panel end tabls for locking said end tabs within the carton, and a locking tab carried by each side panel adapted to be projected through an opening in the auxiliary flap in register therewith to lock the box in a set-up condition.

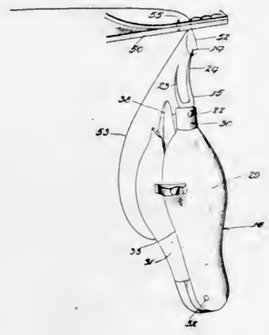
1,468,697. KNITTING MACHINE. ALPHONSE FRANK BREDANNAZ, Toronto, Ontario, Canada. Filed Feb. 10, 1920. Serial No. 357,602. 3 Claims. (Cl. 66—21.)



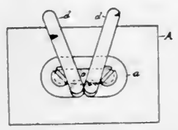
1. In a knitting machine, the comoination with the stationary needle cylinder and the rotatable cam block, of a rigid frame secured to the cam block and extending over the cylinder and having a threaded collar arranged in axial alignment with the cylinder, and a tubular guide threaded in said collar and adapted to extend downwardly into close proximity to the top of the cylinder.

1,468,698. SEWING IMPLEMENT FOR LEATHER GOODS. SAM CORTESE, Dunsmuir, Calif. Filed Mar. 1, 1922. Serial No. 540,239. 7 Claims. (Cl. 223—37.)

1. A handle for a needle, said handle having a chamber with a permanently open slit along one side and one end thereof for admitting a looped thread, and a bobbin deposited loosely in said chamber and carrying a second thread adapted to run out through said slit and to lock with said looped thread when the latter passes over said bobbin.

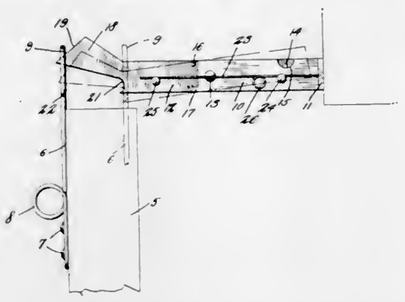


1,468,699. CLOTHESLINE HOLDER. JOHN P. CUNNINGHAM, Milwaukee, Wis. Filed Jan. 3, 1922. Serial No. 526,697. 1 Claim. (Cl. 24—129.)



A hitching device for ropes, consisting of a single length of rod, bent in such wise that the ends thereof bifurcate from the portions of said rod contiguous with each of such ends, bent to extend about adjacent and parallel to each other in the same plane, at an acute angle relative to the plane of said bifurcating ends, and the remaining portion of said rod bent and fashioned into a loop with the opening and openings therebetween, substantially as illustrated and described.

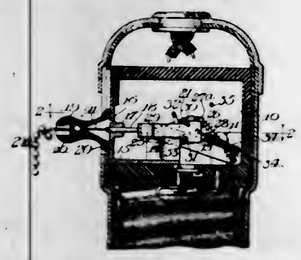
1,468,700. DOOR CHECK. THOMAS MORRELL DAY, Windfall, Ind. Filed July 11, 1922. Serial No. 574,174. 1 Claim. (Cl. 16—83.)



A door check comprising a stationary arm, a pivoted arm having connection with the stationary arm, said stationary arm having a shoulder formed at one end thereof, said pivoted arm having a laterally extending pin adapted to contact with the shoulder to restrict movement of the pivoted arm, said pivoted arm having an upwardly extending end portion formed with an inclined outer wall, a curved wall formed adjacent to the lower edge

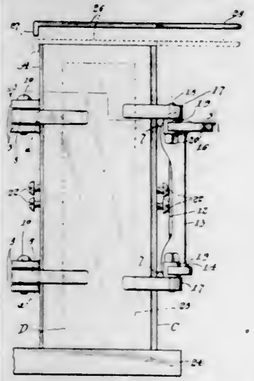
of the pivoted arm, a spring member for normally holding the pivoted arm in parallel relation with the stationary arm, an arm supported by the movable element and including spaced bars, one of said bars adapted to move over the inclined wall of the pivoted arm to throw the arm downwardly to cause the opposite bar to engage the curved wall and retard movement of the movable element, and a weight on the pivoted arm for moving the pivoted arm to its inactive position.

1,468,701. SWITCH MECHANISM. VICTOR R. DESPARD, Hinsdale, Ill., assignor, by mesne assignments, to McGill Manufacturing Company, Valparaiso, Ind., a Corporation of Indiana. Filed Mar. 6, 1917. Serial No. 152,627. 18 Claims. (Cl. 173—354.)



1. A device of the character described comprising a switch element, reciprocating operating means for said switch element, and control means interposed between said reciprocatory means and said switch element whereby successive reciprocations of said reciprocatory means effect alternative make and break actuations of said switch element by snap action, said control means including a pawl device, and means comprising a yieldable element movable by said pawl device into position to move said switch element into circuit making or breaking position, said pawl device, upon movement of said switch element to either of said positions, assuming a position for moving said switch element to the other of said positions.

1,468,702. FORM FOR CONCRETE STRUCTURES. HARRY E. DUNN, Holland, Mich., assignor to W. E. Dunn Manufacturing Company, Holland, Mich., a Corporation of Michigan. Filed May 29, 1922. Serial No. 564,534. 12 Claims. (Cl. 25—121.)



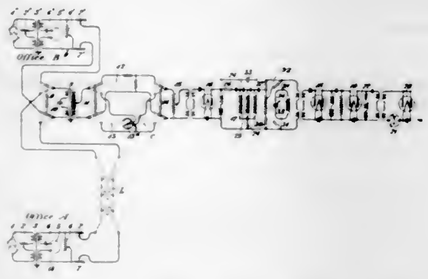
1. A form for concrete and like structures comprising a plurality of walls hingedly connected together, a hook-shaped latch member pivotally carried by one of said walls, and an element adjustable upon an eccentric axis carried by an adjacent wall and coactable with the hook-shaped latch member.

1,468,703. PAPER HOLDER FOR STENOGRAPHIC AND LIKE MACHINES. MARC GRANDJEAN, Paris, France. Filed Dec. 22, 1921. Serial No. 524,184. 1 Claim. (Cl. 197—133.)



A paper holder for stenographic and like machines, comprising a frame constituted by two lateral cheeks whereof one is longer than the other, an axle disposed in the overhang position upon the longer of the said cheeks, a reel revoluble upon the said axle and serving to receive the paper band, a table top connecting the two cheeks and disposed forwardly of the said reel, the said top serving as a desk for making hand corrections upon the paper band, and an axle mounted on each of the said cheeks whereupon the paper holder may be pivoted.

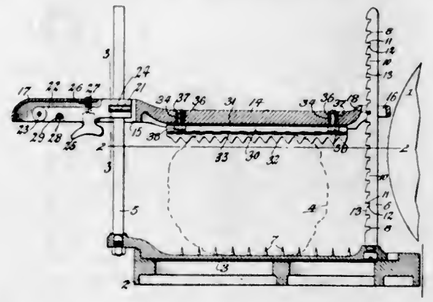
1,468,704. APPARATUS AND METHOD FOR MEASURING TRANSMISSION. HAROLD S. HAMILTON, New York, N. Y., assignor to American Telephone and Telegraph Company, a Corporation of New York. Filed Dec. 5, 1921. Serial No. 520,054. 6 Claims. (Cl. 179—175.)



2. The method of measuring the transmission efficiency of apparatus at a particular frequency below the essential voice frequency range, which consists in applying current of that frequency to one end of such apparatus and measuring the current transmitted to the other end thereof, and shunting out all fortuitous currents of other frequencies than the particular frequency for which it is desired to make the measurement.

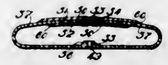
1,468,705. ARTICLE HOLDER FOR SLICING MACHINES. ERNEST A. HAND and FREDERICK A. WYGANT, Hornell, N. Y., assignors to The A. J. Deer Company, Incorporated, Hornell, N. Y., a Corporation of New York. Filed Apr. 8, 1918, Serial No. 227,186. Renewed Feb. 28, 1923. 12 Claims. (Cl. 17—14.)

1. A slicing machine comprising a table adapted to support the article to be sliced, a pillar rising from said table and having its opposite transverse sides made flat and parallel, a clamping bar arranged transversely over the table and provided with an opening which receives said pillar and which has a flat transverse face on one side which engages with one of the flat sides of said pillar, and an inclined face on its opposite side, a gripping roller arranged between the opposite flat side of the pillar and the inclined face of the bar opening, and a carrier movably mounted on said bar and provided with a



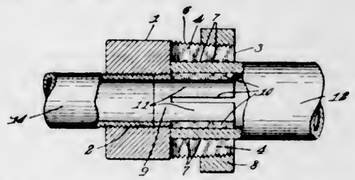
slot which receives said roller and which is adapted to shift said roller vertically relatively to the companion faces of the pillar and bar.

1,468,706. SHAPING OF SHEET METAL BY FLUID PRESSURE. THEODORE M. HARRISON, Hawthorn, Melbourne, Victoria, Australia, assignor to Hydro Press Company Proprietary Limited, Melbourne, Victoria, Australia. Filed July 10, 1922. Serial No. 573,829. 7 Claims. (Cl. 113—44.)



1. In apparatus for shaping sheet metal by fluid pressure, an expansible bag into which the pressure fluid is admitted to impart the desired shape to the sheet metal, said bag having an opening through its wall and a flexible closure freely associated with said opening, said closure including a flap which overlaps the edge of the opening for the purpose set forth.

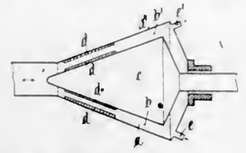
1,468,707. COUPLING. EDWARD W. JOHNSTON, Springfield, Ill. Filed Jan. 6, 1921. Serial No. 435,418. 2 Claims. (Cl. 285—84.)



1. In a device of the class described, an annular body provided with inner and outer compressible arms, the outer arms being tapered and threaded, and a nut threaded on the outer arms, the inner arms being spaced from the outer arms, for the reception of a tubular member.

1,468,708. PROCESS FOR PERFORMING CHEMICAL REACTIONS. WILHELM KOCHMANN, Charlottenburg, near Berlin, Germany. Filed Oct. 8, 1914. Serial No. 865,718. 4 Claims. (Cl. 23—28.)

1. A process for performing chemical reactions within reaction mixtures and for thermally treating such mixtures which consists in performing said reactions and thermally treating said reaction mixtures while said mixtures are arranged in layers so thin that the time necessary for the reaction, throughout the layers will be negligibly small compared with the time necessary for the running off of the whole reaction, and varying the



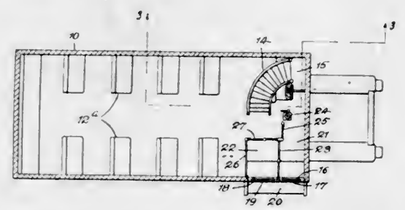
cross section of the reaction mixture in the direction of flow of said reaction mixture according to the variation of the reaction conditions during said reaction.

1,468,709. BAG-MOUTH EXPANDER. ALFRED J. LA GRANDEUR and EDWARD C. ANDERSON, Somerset, Wis. Filed Mar. 6, 1922. Serial No. 541,479. 5 Claims. (Cl. 294—1.)



1. A bag mouth opener comprising a resilient band bent to form an expansible hoop, and lever manipulating means adapted to be grasped in one hand secured to the ends thereof extending laterally therefrom substantially parallel to the plane of the hoop.

1,468,710. PASSENGER BUS. EMIL LEINDORF, New York, N. Y. Filed Jan. 25, 1922. Serial No. 531,653. 1 Claim. (Cl. 296—28.)

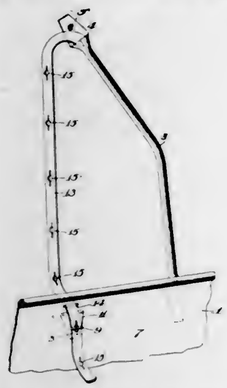


A passenger bus with a body having an upper deck with an exit and entrance in the front part of the bus, a stairway within the body and facing the exit, an entrance door and an exit door adapted to be operated by the chauffeur, parallel railings extending from each side of the exit door; an outwardly swinging exit gate hinged to one of the railings adjacent the exit door, an inwardly swinging entrance gate normally extending at right angles to the exit gate, a driver's seat located beneath the stairway and a coin box located approximately between the driver's seat and the entrance gate.

1,468,711. SHOPPING AND TRAVELING BAG. FRANCIS P. DWYER, Philadelphia, Pa. Filed July 21, 1922. Serial No. 576,444. 5 Claims. (Cl. 150—33.)

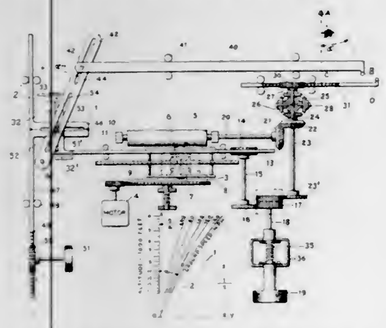
1. In a bag, a body having a carrying handle, one end of which is fixed to the body, and the other end thereof is detached from said body, a strap connected with the

detached end of said handle, said body having an inlet adapting the strap to be slidable into the body and out of the same, a member on the body for locking said



strap in either of its positions on the body, and a member on the detached end of said handle engageable with said body for locking said detached end on said body.

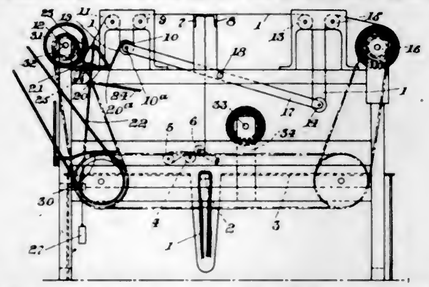
1,468,712. SIGHTING DEVICE. HANNIBAL C. FORD, Jamaica, N. Y., assignor to Ford Instrument Company, Inc., New York, N. Y., a Corporation of New York. Filed June 3, 1918, Serial No. 237,900. Renewed Feb. 25, 1922. Serial No. 539,288. 45 Claims. (Cl. 235—61.)



1. In an instrument of the class described, a movable sighting device, variable speed mechanism for driving said sighting device including a driving element actuated at a constant speed and a speed varying element, and manually controlled means for shifting said speed varying element and for simultaneously shifting said movable sighting device.

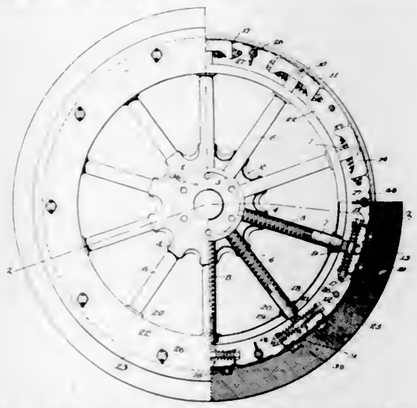
1,468,713. MACHINE FOR TEARING FABRICS. JOHN DOUGLAS FRIER, Waringstown, Ireland. Filed July 19, 1922. Serial No. 576,136. 3 Claims. (Cl. 223—59.)

1. A machine for tearing fabrics longitudinally, comprising a framework, a support for the fabric, a movable table carrying said support, a winding roller on each side of said support and carried by the framework, tensioning means for the fabric, transverse bars having a transverse slot therebetween where the fabric is torn by the pull of the winding rollers on each side thereof, a tilting frame interposed between the tearing bars and the winding rollers and round the ends of which the fabric is led to the winding rollers, the position of the frame being determined by the take up of the winding



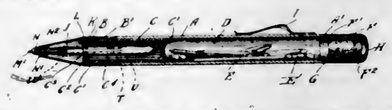
rollers, and a stop motion which is brought into action by the location of the tilting frame when it is tilted to a predetermined extent.

1,468,714. RESILIENT WHEEL. SAMUEL GROSSMAN, New York, N. Y. Filed Jan. 31, 1920. Serial No. 355,315. 9 Claims. (Cl. 152—48.)



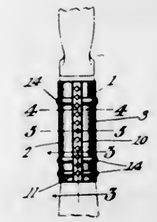
6. A wheel of the character described, comprising a hub, radiating tubes permanently secured to the hub to form spokes, a ring concentric with the hub, said spokes being separate from and passing through the ring, a cap permanently secured to each spoke and to the ring, there being a perforation in each cap in axial alignment with the bore of the tube, said perforation being of less diameter than the bore of the tube, a plunger carried in each tube and projecting through the cap, said plunger having a tight working fit with the perforation and a loose fit with the bore, a spring in each bore cooperating with plunger, an anti-friction roller carried by the outer extremity of each plunger, a circular rim carried on the rollers, and a tire secured to the rim.

1,468,715. TOOL HOLDER. MICHEAL GUERRIERI, Newark, N. J. Filed May 2, 1921. Serial No. 466,033. 5 Claims. (Cl. 145—62.)



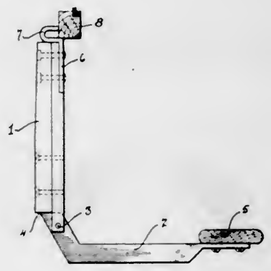
1. A tool holder having jaws and comprising a casing divided into two chambers, one of which is adapted to hold tools designed for use with the tool holder and the other adapted to hold one of said tools while a second tool is held in the jaws of said tool holder.

1,468,716. FERRULE. JOHN H. KERSTING and VINCENT J. KERSTING, New York, N. Y. Filed Feb. 2, 1922. Serial No. 533,737. 1 Claim. (Cl. 16—108.)



A device of the class described comprising a tubular member provided at its ends with oppositely extended interengaged hook-shaped beads, the beads being distorted to form interlocked bosses, the bosses being of quadrilateral outline, oppositely disposed angles of the bosses being located in a straight line which is approximately parallel to the axis of the tubular member.

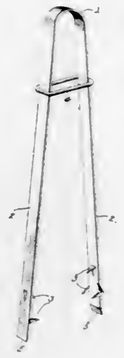
1,468,717. WINDOW SEAT. DAVID KIENLE, Jersey City, N. J. Filed June 18, 1921. Serial No. 478,500. 1 Claim. (Cl. 304—24.)



A window seat comprising a pair of substantially straight rectangular support members having their level lower ends formed at right angles to their length, a bar fixed to said members extending outwardly beyond their sides and holding them in spaced relation, hooks fixed to the ends of said bar, adapted to engage the sash of a window when lowered upon them, a seat element coincident in length with said bar, beams fixed to the lower surface of said seat element to extend towards support members, said beams having angularly upturned portions opposite said seat element, and pivots engaging said upturned beam portions to said support members, the ends of said upturned elements being adapted to make contact with the bottoms of said support members when said seat is turned outward, said beams being disposed parallel with said support members when said window seat is folded.

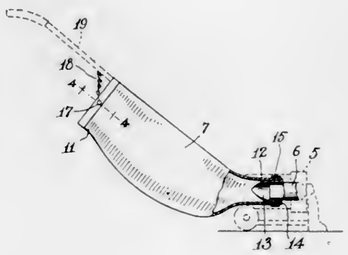
1,468,718. CLAMP. CYRUS H. KNEELAND, Millinocket, Me. Filed Apr. 14, 1922. Serial No. 552,775. 1 Claim. (Cl. 294—99.)

A kitchen appliance, comprising a member formed from a single strip of spring material centrally rounded upon itself to provide opposed legs which normally spring away from each other, said legs having their inner faces adjacent their outer ends provided with impinging ele-



ments, the outer ends of the legs and the edges thereof adjacent said ends being sharpened, and a link slidable over the legs for forcing the same toward each other.

1,468,719. PAPER DUST-RECEIVING BAG FOR VACUUM CLEANING MACHINES. ROBERT M. LANGDON, Englewood Cliffs, N. J. Filed Dec. 13, 1921. Serial No. 521,991. 4 Claims. (Cl. 183—40.)

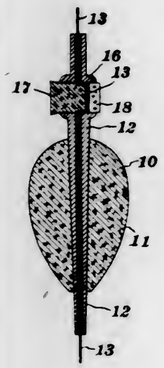


1. A dust and dirt receiving bag for household vacuum cleaning machines, said bag being provided at one end with a contracted neck adapted to be clamped upon the machine and the other end of said bag being closed by folding the material of the bag upon itself, the neck portion of the bag being provided with inwardly directed V-shaped members adapted to prevent the passage of dust or dirt backwardly into the machine, when said machine is not in operation.

1,468,720. FISHING FLOAT. JULIUS C. LOW, Kansas City, Mo. Filed Oct. 10, 1922. Serial No. 593,533. 4 Claims. (Cl. 43—49.)

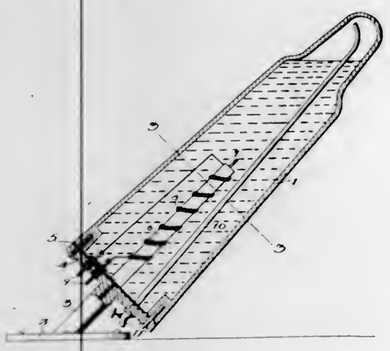
1. A float for fishing lines comprising a buoyant body, a tube arranged axially in the body for receiving a fishing line therethrough and having a transverse opening near

its upper end, and a wedge-shaped key fitted in the opening having a kerf in its inner end for engagement with



the fishing line and adapted to be forced into the opening for offsetting a portion of the fishing line and binding it in the tube.

1,468,721. GARMENT IRONER. BARNETT WRIGHT MACY, Jacksonville, Fla., assignor to Electric Heating Corporation, Jacksonville, Fla., a Corporation of Florida. Filed Jan. 21, 1922. Serial No. 530,902. 7 Claims. (Cl. 219—19.)



1. A garment ironer comprising an iron base, an elongated hollow aluminum ironing device mounted on said base in inclined position, a body of liquid therein, an insulating rod supported axially in said ironer, a resistance coil wound on said rod, insulating bushings in said base, terminal posts in said bushings connected respectively with the ends of said coil, and an open ended pipe projecting through said base and extending into said ironer to a point adjacent the upper end thereof, said pipe having a tap screwed in its lower end, substantially as set forth.

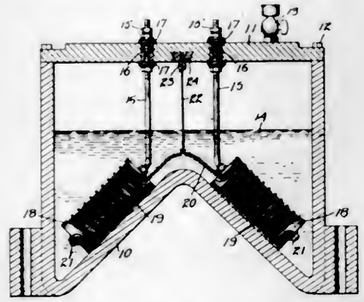
1,468,722. ELECTRICAL HEATING DEVICE. BARNETT WRIGHT MACY, Jacksonville, Fla. Filed May 6, 1922. Serial No. 559,017. 8 Claims. (Cl. 219—39.)

1. A liquid heating device comprising a casing, a core within the casing provided with a plurality of vertically extending grooves in the periphery of the casing said grooves being separated by ribs which extend outwardly



from the core to a point adjacent the casing, substantially as set forth.

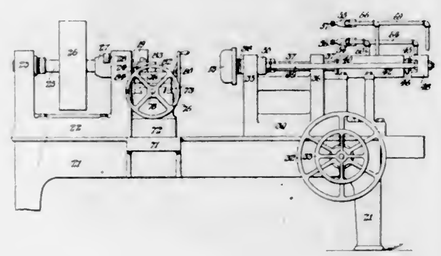
1,468,723. ELECTRICALLY-HEATED IRONING DEVICE. BARNETT WRIGHT MACY, Jacksonville, Fla., assignor to Electric Heating Corporation, Jacksonville, Fla., a Corporation of Florida. Filed May 6, 1922. Serial No. 559,016. 7 Claims. (Cl. 219—25.)



1. An electrical ironing device having an internal chamber containing oil and an outer ironing surface, a heating coil immersed in said oil and formed of material having relatively low resistance whereby carbonization of the oil is prevented, said heating coil consisting of a finely coiled wire laid in convolutions to accommodate the wire to the size of the chamber, the liquid being free to circulate through and around the convolutions of the heating coil, substantially as set forth.

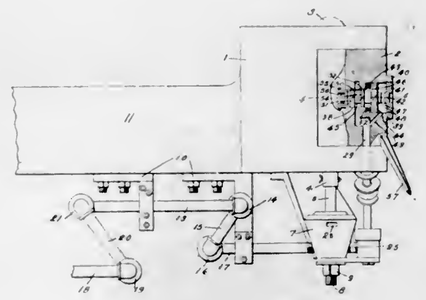
1,468,724. CAN-FORMING MECHANISM. VICTOR MAUCK, Norristown, Pa., assignor to John Wood Manufacturing Company, Conshohocken, Pa., a Corporation of Pennsylvania. Filed Apr. 14, 1921. Serial No. 461,274. 9 Claims. (Cl. 113—23.)

1. The combination with a base frame; of a headstock mounted on said frame; a spindle journaled in said headstock; means arranged to rotate said spindle, including a loose pulley and a clutch movable to connect and disconnect said pulley and spindle; a mandrel on said spindle adapted to hold a can bottom plate; a tailstock on said base frame; a thrust plunger mounted to reciprocate in said tailstock, in axial alinement with said spindle; a mandrel mounted to rotate at the inner end of said thrust plunger and arranged to engage the top of a can; a plunger casing stationary on said tailstock, having a thrust chamber in which said thrust plunger is mounted to reciprocate, and a port opening into said thrust chamber; said plunger casing also having a retracting chamber, in axial alinement with said thrust chamber, but of smaller diameter and separated therefrom, and a port opening into said retracting chamber; a retracting plunger mounted to reciprocate in said retracting chamber; means yoking said two plungers for simultaneous reciprocation, in-



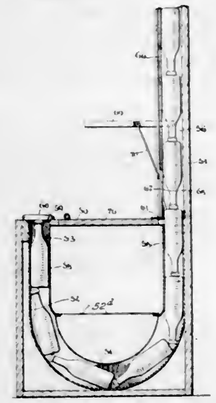
cluding cross heads on the respective plungers and tension rods adjustably rigidly connecting said cross heads; said thrust plunger being longitudinally adjustable with respect to said retracting plunger, and having means arranged to secure it in adjusted position, including a nut engaging said thrust plunger and abutting against its cross bar; and respective valves independently operable to admit and exhaust fluid through said ports; whereby said tail mandrel may be thrust toward said head mandrel, to engage a can body between them, and be retracted to release said body.

1,468,725. CAR COUPLER. WILLIAM HENRY MCCAFFREY, Birmingham, Ala., assignor of one-half to J. A. Meadows, Birmingham, Ala. Filed Oct. 30, 1920. Serial No. 420,703. 6 Claims. (Cl. 213—76.)



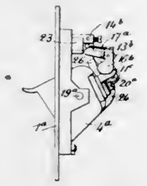
1. In a car coupler the combination with a head and a knuckle mounted to swing relative thereto, of a tubular plunger slidable within and normally projecting from the inner face of the knuckle, there being a pressure chamber in the knuckle and back of the plunger, a pressure controlling valve operated by the movement of the knuckle relative to the head, and means for directing fluid under pressure from the valve when opened to the pressure chamber to shift the plunger and place the interior of the plunger in communication with said means.

1,468,726. REFRIGERATOR. JAMES HARVEY MCKIM, Mobile, Ala. Filed Aug. 9, 1922. Serial No. 580,782. 5 Claims. (Cl. 62—34.)



1. In a dispensing refrigerator, a storage cabinet, a container in said storage cabinet, a bottle rack in said container, an ice receptacle arranged in said container and superposed on said bottle rack, a display rack, and means for ejecting bottles from the bottle rack of the storage container and for governing the passage of the bottles in to the bottle rack from the display container.

1,468,727. READING LAMP. EUGÈNE MULLARD, LAURENT VALENDUCQ, and JEAN DUBOIS, Paris, France. Filed June 17, 1920. Serial No. 389,753. 4 Claims. (Cl. 240—7.) (Granted under the provisions of the act of Mar. 3, 1921, 41 Stat. L., 1313.)

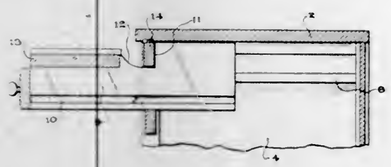


1. In an electric apparatus termed reading lamp, the combination of a frame adapted to be secured to a partition and provided with an opening, an electric lamp bulb supported by said frame in the rear of said aperture, the axis of said bulb being horizontal, a shutter serving to close said aperture, the said shutter pivoting upon an axis adjacent the axis of said bulb, and a quick-break device for electric current comprising a contact with rocking elements secured to said frame, springs for effecting the rapid rocking movement of said elements during the closing of said aperture, a contact member disposed upon said shutter and adapted to engage said rocking elements, and means for electrical connection between said lamp bulb and said contact members.

1,468,728. COMBINATION TABLE AND IRONING BOARD. WILLIAM NELSON, Brooklyn, N. Y. Filed Sept. 11, 1922. Serial No. 587,287. 1 Claim. (Cl. 68—10.)

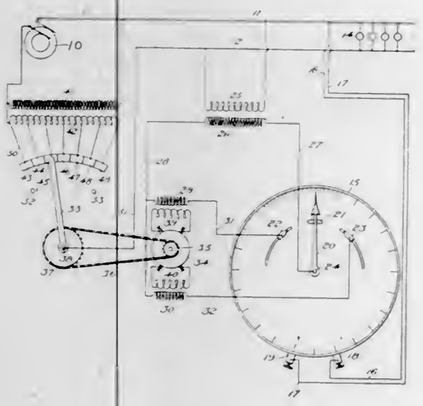
The combination with a cabinet including a top supporting legs and side walls, of a vertical partition adjacent to one of said side walls dividing said cabinet into

a narrow chamber and a relatively wide chamber, guide rails on the confronting faces of said partition and the adjacent side wall, a block mounted upon said rails and capable of movement into and out of position beneath the top of said cabinet and an ironing board fixed to the upper surface of said block at the forward portion thereof and movable to a position beneath the cabinet top when the block is moved inwardly and to a position beyond the cabinet top when the block is pulled outwardly, and a flap



pivoted to the underside of said top and designed to conceal said ironing board from view in inactive position beneath the cabinet top, the upper surface of said block at the transverse center line thereof being formed with an abrupt shoulder and with a depression immediately in advance of said shoulder to provide a space for the reception of said flap when the ironing board is pulled outwardly whereby said flap may be maintained in its normal position when the ironing board is in use.

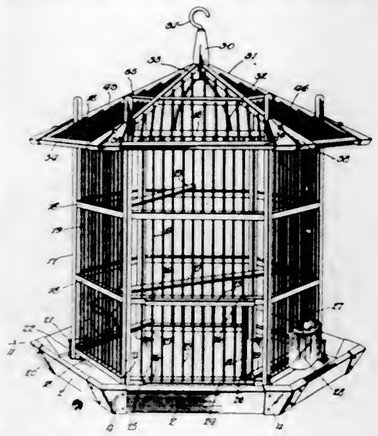
1,468,729. AUTOMATIC REGULATOR. JOSEPH S. O'HARA, Romney, W. Va. Filed Sept. 3, 1920. Serial No. 408,106. 6 Claims. (Cl. 171—119.)



1. A movable indicator, a contact element on either side of said indicator when in normal position and in proximity to its path of movement, a transformer having a secondary coil connected to said indicator, a primary coil individual to each contact element and connected in parallel to the secondary of the transformer, and means including a pair of secondary coils governed by the passage of current through said contact primaries for returning said indicator to normal position.

1,468,730. BIRD CAGE. KARL W. OSTER, Portland, Oreg. Filed Jan. 8, 1923. Serial No. 611,429. 6 Claims. (Cl. 119—17.)

1. In a bird cage, a floor, side rails provided in their inner sides with grooves receiving the edge of the floor, the said rails being flared upwardly and outwardly and having their lower edges disposed below the bottom of the floor, a body detachably secured upon the floor, and a floor



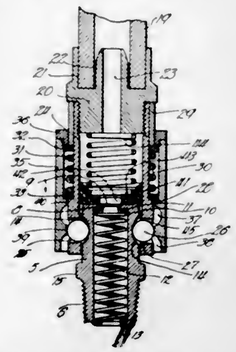
covering extending over the floor and held to the same by the body and by the fastenings between the body and the floor.

1,468,731. APPARATUS FOR CORRECTING MALOCCLUSION. CLEMENT K. BIRD and HARVEY B. WASHBURN, St. Paul, Minn. Filed Aug. 28, 1922. Serial No. 584,904. 4 Claims. (Cl. 32—1.)



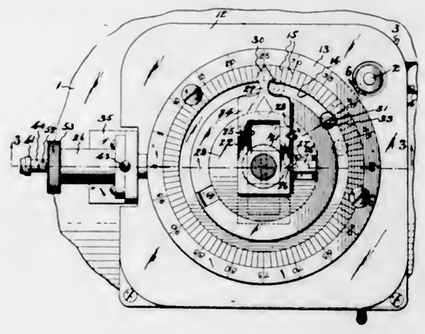
1. A member for determining an occlusal surface comprising a plate substantially heel-shaped in plan and curved substantially in the surface of the sphere, said plate having a plurality of openings therethrough.

1,468,732. COUPLING. CLIFFORD C. BRADBURY, Oak Park, Ill., assignor to Bassick Manufacturing Company, Chicago, Ill., a Corporation of Delaware. Filed June 17, 1921. Serial No. 478,222. 9 Claims. (Cl. 285—96.)



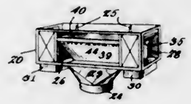
2. A coupling comprising a tubular coupling member having an annular groove adjacent one end, a hollow coupling member for receiving the grooved end of said tubular coupling member, the wall of said hollow coupling member having an opening therethrough for registering with said annular groove, a ball loosely held in said opening and adapted to project into said groove, a sleeve slidably mounted on said hollow coupling member, the said sleeve having a pair of spaced grooves in its inner surface forming an annular rib, spring means on said hollow coupling member for holding said sleeve with its annular rib in registry with said opening, said sleeve being movable in either direction against the tension of said spring to bring either of the grooves in said sleeve in registry with said opening.

1,468,733. COUNTING MECHANISM. EDWARD P. DONNELLAN, Brooklyn, N. Y., assignor to Standard-Johnson Co., Inc., Brooklyn, N. Y., a Corporation of New York. Filed May 25, 1922. Serial No. 563,558. 15 Claims. (Cl. 133—8.)



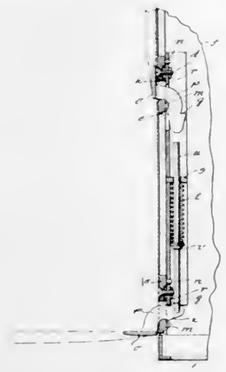
1. In mechanism of the kind described, a counter gear-wheel, means actuated by the passing engagement of articles to be counted for operating said counter gear-wheel, means for automatically locking said counter gear-wheel against operation, a rotary stop control disc, means for coupling said stop control disc for rotation with said counter gear-wheel yet permitting independent reverse rotation thereof for initial setting, and means connected with said locking means and controlled by said stop control disc for holding the former released during the actuation of the counter gear-wheel by a predetermined number of articles to be counted according to the initial setting of said stop control disc.

1,468,734. COMBINED REGISTER BOX AND DEFLECTOR. CHARLES MCVEETY, Cheltenham, Pa. Filed May 17, 1922. Serial No. 561,695. 3 Claims. (Cl. 98—49.)



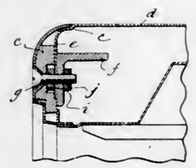
1. A device of the character described, comprising a register box having openings in its base and ends, said base openings having communication with the heating chamber of a heater, deflector plates adapted to guide cool air from the end openings to the base openings, the tops of said deflector plates being arranged below the tops of said end openings, a pipe depending from the register box and adapted to connect the register box with the warm air outlet of the heater, and a deflector arranged within the register box, having its sides converge towards the pipe connected with the heater, whereby air ascending from said heater will be deflected from openings in the front and rear of the registry box, said deflector having its top arranged below the top of the register box thereby allowing free circulation of cool air from the tops of the end openings.

1,468,735. STOVE FIXTURE OR DOOR HANGER. ALBERT MEADOWS, Detroit, Mich., assignor to Detroit Vapor Stove Company, Detroit, Mich., a Corporation of Michigan. Filed July 15, 1922. Serial No. 575,345. 10 claims. (Cl. 126—19.)



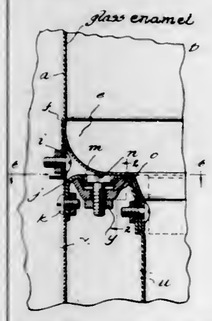
1. In stove construction, the combination of walls forming a chamber having an opening thereinto, a door for closing said opening, an upright bar removably secured to said walls, a fulcrum block supported by the upright bar and including a fulcrum roll, a hinge arm supporting the door and arranged to turn on the fulcrum roll and a spring secured to one end of the upright bar and at the other end secured to the hinge arm to cushion the opening movement of the door.

1,468,736. OVEN-FRONT CONSTRUCTION. ALBERT MEADOWS, Detroit, Mich., assignor to Detroit Vapor Stove Company, Detroit, Mich., a Corporation of Michigan. Filed July 15, 1922. Serial No. 575,346. 8 Claims. (Cl. 126—39.)



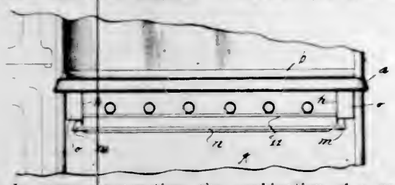
1. In stove construction, the combination of a front frame including one or more oven openings and having the outside edges of the frame turned backwards, a chamber having a wall meeting said turned back edges in substantially flush relation and concealed fastening devices for uniting said wall to said frame.

1,468,737. STOVE CONSTRUCTION. ALBERT MEADOWS, Detroit, Mich., assignor to Detroit Vapor Stove Company, Detroit, Mich., a Corporation of Michigan. Filed July 15, 1922. Serial No. 575,348. 14 Claims. (Cl. 126—39.)



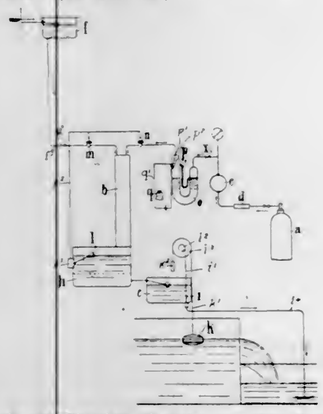
1. In a stove construction, the combination of a stove wall, a girder supported by the same, a grate-supporting frame supported by said girder, a gas manifold and a hanger for supporting said gas manifold on the girder.

1,468,738. DRIP-PAN-SUPPORT AND BURNER-BOX CONSTRUCTION. ALBERT MEADOWS, Detroit, Mich., assignor to Detroit Vapor Stove Company, Detroit, Mich., a Corporation of Michigan. Filed July 15, 1922. Serial No. 575,349. 7 Claims. (Cl. 126—39.)



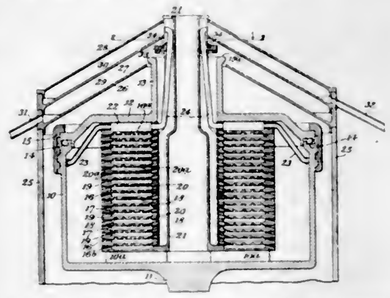
1. In stove construction, the combination of a grate-supporting frame, warming chamber walls, a burner box lining supported in spaced relation therewith and depending from the grate-supporting frame and a drip pan supported in slideable relation by the lower edges of the burner box lining.

1,468,739. PROCESS AND APPARATUS FOR MIXING LIQUIDS AND GASES. WILLIAM PATERSON, London, England. Filed Aug. 12, 1918. Serial No. 249,573. 14 Claims. (Cl. 210—23.)



1. In the sterilization of water or other liquid with chlorine, a method of measuring periodically the flow of predetermined volumes of chlorine consisting in obstructing the flow of chlorine by placing in the path of such flow a seal of liquid not appreciably affected chemically by and having no appreciable effect upon the chlorine, and permitting the chlorine to move the sealing liquid periodically through a space of definite volume in order to remove the obstruction and permit predetermined measured volumes of chlorine to flow.

1,468,740. CENTRIFUGAL SEPARATION AND CENTRIFUGAL FILTRATION OF LIQUIDS. CHRISTIAN F. PAUL, Jr., Austin, Tex. Filed Jan. 23, 1922. Serial No. 531,064. 8 Claims. (Cl. 233—2.)



7. In a centrifugal separator, means for discharging, at two separated points with a difference of centrifugal head, liquid delivered to the separator, and means for shifting at least one of said separated discharge points toward and from the axis of the separator to vary the difference of centrifugal head.

1,468,741. PRODUCTION OF PHOSPHORIC ACID. SAMUEL PEACOCK, Wheeling, W. Va., assignor to Willis G. Waldo, Washington, D. C. Filed Dec. 8, 1921. Serial No. 520,996. 2 Claims. (Cl. 23—1.)

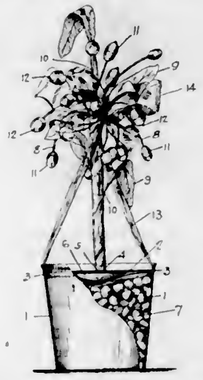
1. The process of making phosphoric acid which consists in reacting on tricalcium phosphate with sodium chloride in the proportions of six molecules of sodium chloride to each molecule of tricalcium phosphate present to form phosphoryl chloride and sodium oxide; separating said chloride from said oxide; adding water to said chloride to form a mixture of hydrochloric and phosphoric acids; and separating out said phosphoric acid, substantially as described.

1,468,742. WATERPROOF CONTAINER. WILLIAM J. PECKES, Dormont Borough, Pa. Filed Nov. 25, 1922. Serial No. 603,160. 3 Claims. (Cl. 206—37.)



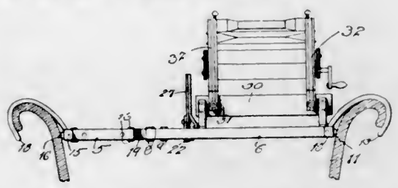
1. A water proof and water tight container for the purposes described, provided with an access opening having one axis greater than the other, an outwardly extending perimetral flange defining said opening, opposed cam flanges on the interior of said container and disposed at either side of the shorter axis of said opening, a lid to fit down over said opening, a compressible gasket interposed between said lid and said flange, a shaft journaled in a hole in the center of said lid, a finger knob fixed on the outer end of said shaft, and a transversely disposed wedge member fixed on the inner end of said shaft, said member being of proper length that when turned parallel with the longer axis of the lid it will pass freely through said opening as the lid is removed or put in place, but when the lid is in place and the wedging member is turned parallel to the shorter axis of the lid said member will move into engagement with said cam flanges, thus wedging the lid tightly on the container.

1,468,743. NOVELTY CANDY PACKAGE. ADELAIDE M. PORTER, Greenwich, Conn., assignor to Huyler's, New York, N. Y., a Corporation of New York. Filed July 20, 1921. Serial No. 486,234. 5 Claims. (Cl. 41—14.)



1. A novelty candy package comprising a representation of a flower pot, an artificial plant set in said pot, said plant having wire stems for the blossoms, and candies pierced by and mounted upon said stems to represent the blossoms.

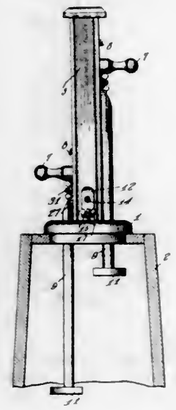
1,468,744. ATTACHMENT FOR BATHTUBS. WILLIAM O. PORTER, Chicago, Ill. Filed May 26, 1922. Serial No. 563,820. 2 Claims. (Cl. 68—32.)



1. A device adapted to be applied to a tub and serving to support a clothes wringer, comprising a body portion including a pair of support sections provided at their outer ends with yielding knobs adapted to contact with the inner walls of the tub, means to move one support section longitudinally with relation to the other support section, suspension hooks secured to the outer ends of the support sections and adapted to engage over the top edges of the tub, and an attaching bar arranged above one support section and secured thereto, said attaching bar being adapted to have the clothes wringer clamped thereon.

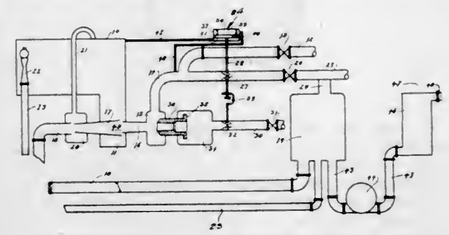
1,468,745. CHURN. GEORGE O. POWELL, Wynnewood, Okla. Filed July 23, 1923. Serial No. 653,277. 2 Claims. (Cl. 259—123.)

1. In a device of the class described a base, a standard mounted on the base, a pulley carried by the standard, a flexible element trained across the pulley, rods connected to the flexible element and mounted for reciprocation in the standard, pressure rods slidable in the base and connected to the slides, an angular latch pivoted to one side of the standard, means on the base wherewith the latch engages, an angle bracket comprising horizontal and vertical arms, the vertical arm



of the angle bracket being secured to the opposite side of the standard, the horizontal arm of the angle bracket having a slot in its end, and a screw passing through the slot and including a head engaging the horizontal arm of the angle bracket, the screw being threaded for adjustment into the base.

1,468,746. HOTWELL EJECTOR. HENRY F. SCHMIDT, Swarthmore, Pa., assignor to Westinghouse Electric & Manufacturing Company, a Corporation of Pennsylvania. Filed Oct. 2, 1920. Serial No. 414,313. 19 Claims. (Cl. 162—1.)

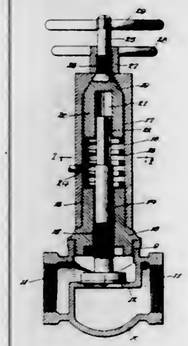


1. In combination with a condenser, an air ejecting device and a condensate-ejecting device associated therewith, a feed-water heater connected to the air and condensate ejecting devices, and a feed water economizer connected to the heater, whereby condensate discharged from the condenser receives heat from the air ejecting device and from the economizer.

1,468,747. LEAKPROOF VALVE. EARL K. SHOULTZ, Vincennes, Ind. Filed Dec. 19, 1921. Serial No. 523,472. 1 Claim. (Cl. 251—47.)

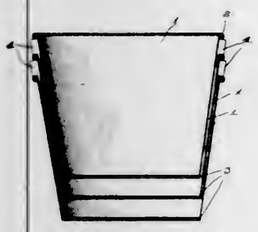
In a valve, a valve spindle, a valve body provided with an axial bearing for said spindle, a bonnet secured to said body and forming a cylindrical chamber around the free end of said spindle, said chamber having a tapered portion forming an aperture through the end of the bonnet, a plug corresponding in shape to the tapered portion of said chamber and being revoluble therein, said spindle having sliding connection with the plug, a

threaded shank on said plug extending through said aperture, a hand wheel at the end of said shank, a lock nut engaging the threaded portion thereof, a compression



spring in said chamber engaging the inner end of said plug, and a lubricating device attached to said bonnet and communicating with said chamber.

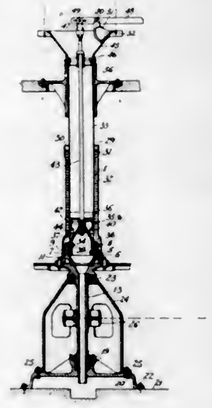
1,468,748. NESTING DEVICE. ALBERT C. SCHUMAN, Newark, N. Y., assignor to Reed Manufacturing Company, Newark, N. Y., a Corporation of New York. Filed Sept. 25, 1922. Serial No. 590,711. 2 Claims. (Cl. 220—97.)



1. A nesting device for receptacles, each having an outwardly extending top rim or head, comprising a body portion separate from the receptacles and formed with two abutments, the lowermost abutment being presented downwardly for engagement with the upper edge of the outermost receptacle and the uppermost abutment being presented upwardly for engagement with the outwardly extending top rim or bead of the innermost receptacle, and a lip extending downwardly from the body portion below the lowermost abutment and on the inner side of the latter for spacing the walls of the two receptacles.

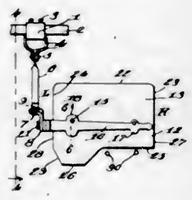
1,468,749. CENTRIFUGAL APPARATUS FOR MANUFACTURING CONCRETE PIPES AND LIKE TUBULAR STRUCTURES. ERNEST SCOTT, Sunshine, Victoria, Australia, assignor to Scott and Son Proprietary Limited, Melbourne, Victoria, Australia. Filed Sept. 11, 1922. Serial No. 587,478. 21 Claims. (Cl. 25—36.)

1. In apparatus for making concrete pipe, the combination of a vertical mould and means for permanently supporting it against endwise movement, a hollow container and feed device for the concrete mixture consisting of a tubular body longitudinally slidable within the vertical mould and provided at its lower end with a distributer element acting as a core to apply internal pressure to the concrete during the progressive vertical manufacture of the pipe and with a discharge opening



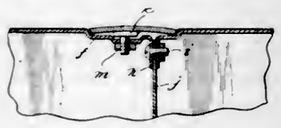
directly adjacent the distributer, said container and core distributer being of approximately equal diameter, substantially as described.

1,468,750. GLARE PROTECTOR. CHARLES F. SECHRIST, Spokane, Wash. Filed Aug. 29, 1922. Serial No. 584,964. 3 Claims. (Cl. 296—97.)



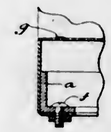
2. A glare protector comprising opaque and semi-transparent plates of coextensive length in super-posed edge to edge relation, means fixed to one of said plates and frictionally gripping the other of said plates to firmly hold the same in such relation, and mechanism adjustably supporting said means.

1,468,751. STOVE TRIMMING. ALVIN G. SHERMAN, Detroit, Mich., assignor to Detroit Vapor Stove Company, Detroit, Mich., a Corporation of Michigan. Filed July 15, 1922. Serial No. 575,317. 10 Claims. (Cl. 126—39.)



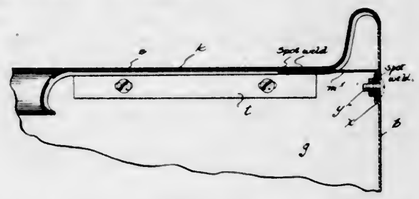
1. In stove construction, the combination of a pair of sheets of metal secured together, a trimming strip secured above the joint of the two sheets, and concealed fastening devices anchored to the inside of the trimming strip for fastening the trimming strips to the sheets of metal.

1,468,752. STOVE-BASE CONSTRUCTION. ALVIN G. SHERMAN, Detroit, Mich., assignor to Detroit Vapor Stove Company, Detroit, Mich., a Corporation of Michigan. Filed July 15, 1922. Serial No. 575,318. 6 Claims. (Cl. 126—39.)



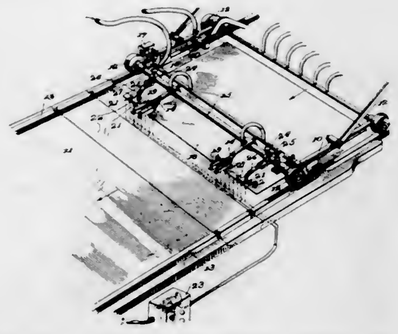
1. In stove construction, the combination of a base frame made up of bar members, a stove wall, having a flange turned under said bar members, and means for connecting said flange to said bar members in concealed relation.

1,468,753. STOVE TOP AND SHELF CONSTRUCTION. ALVIN G. SHERMAN, Detroit, Mich., assignor to Detroit Vapor Stove Company, Detroit, Mich., a Corporation of Michigan. Filed July 15, 1922. Serial No. 575,319. 6 Claims. (Cl. 126—39.)



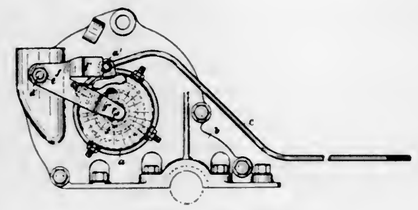
1. In a stove construction, the combination of a back wall and a member formed of sheet metal turned upward from a horizontal run and rising into a roll with a long sweeping curve and having the descending portion of the roll fastened to the said back wall.

1,468,754. STOP DEVICE FOR SHEET FEEDERS. WALTER H. SMITH, Pittsburgh, Pa., assignor to Miller Saw-Trimmer Company, Pittsburgh, Pa., a Corporation of Pennsylvania. Filed Aug. 4, 1921. Serial No. 489,822. 1 Claim. (Cl. 271—57.)



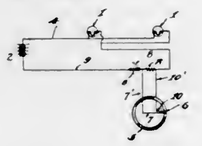
The combination with a feed board, a carriage reciprocable on said feed board, a suction foot rockably mounted on said carriage, and means for rocking said suction foot to cause the latter to descend and engage a sheet in a predetermined position on said feed board, of an automatic stop device comprising two sets of transversely arranged contacts placed so as to be protected by said sheet when the latter correctly occupies said position, one set being disposed at each side of said feed board, a transversely adjustable contact member for each set of contacts, rockable with said suction foot, and an electrical device associated with said sets of contacts or stopping said feeding means.

1,468,755. AUTOMOBILE TIMING MECHANISM. HENRY LUND SMITH, Paterson, N. J. Filed Jan. 7, 1922. Serial No. 527,678. 2 Claims. (Cl. 123—146.5.)



2. In combination, the fixed motor structure, a commutator revoluble against an upright face thereof and having a stop, securing means including a stud rigidly projecting from said face beside the commutator, and an arm held rigid by said means and penetrated by the stud and overlapping the commutator and holding the same against said face and having a stop in the path of movement of the first stop.

1,468,756. DIMMER ATTACHMENT FOR VEHICLE LIGHTING SYSTEMS. GEORGE J. SMITH, Peoria, Ill. Filed Feb. 20, 1922. Serial No. 538,121. 2 Claims. (Cl. 171—97.)

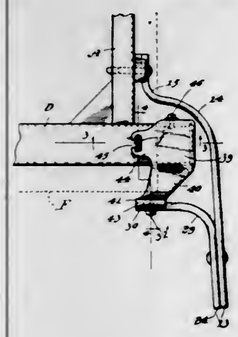


1. In combination with a source of current, the main lamps of a lighting system, and the steering wheel and steering post of a vehicle, a normally closed circuit breaker on the wheel, separate slidably related current carrying members mounted on the steering post, conductors separately connecting the terminals of the circuit breaker with the said members, conductors connecting the said members in circuit with the said current source and lamps, closing the circuit through the latter, and a resistance element bridging the conductors leading from the circuit breaker through which current is diverted when the latter is opened.

1,468,757. BUMPER-ATTACHING BRACKET. LEWIS F. STAFFORD, Chicago, Ill., assignor to Stafford Spring Guard Co., Chicago, Ill., a Corporation of Illinois. Original application filed Feb. 6, 1922, Serial No. 534,581. Divided and this application filed July 24, 1922. Serial No. 576,915. 6 Claims. (Cl. 293—55.)

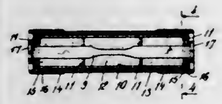
1. A bumper attaching bracket comprising a box-like structure open at its bottom, the top wall thereof

adapted to be interposed between the vehicle body and the chassis and constructed to receive the device for se-



curing the body to the chassis, and an element projecting from the box-like structure and constructed to receive the adjacent end of the bumper arm.

1,468,758. ELECTRIC FUSE. ARCHIE W. STEELE, Bloomfield, N. J., assignor to Wilford J. Hawkins, Montclair, N. J. Filed Dec. 3, 1919. Serial No. 342,225. 1 Claim. (Cl. 200—128.)



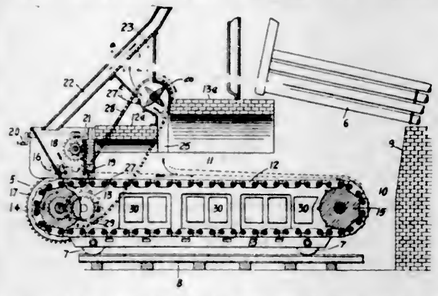
An electric fuse comprising the combination of a fusible link, a shell of insulating material surrounding the middle portion of the link, a filling within the shell, a rigid insulating tube enclosing the shell and in close engagement with the wall thereof, end caps having a sliding fit upon the ends of the tube, screws entering threaded holes in the end caps and having their heads engaging the bent-over ends of the link to thereby hold the fuse in assembled relation, and means for preventing relative rotation of the caps and tube.

1,468,759. APPARATUS FOR CRUSHING OR REDUCING MINERALS, ORES, AND OTHER MATERIALS. HARRY AUGUST STOCKMAN, Johannesburg, Transvaal, South Africa, assignor of one-half to William Edwin Bleloch, Johannesburg, Transvaal, South Africa. Filed Feb. 7, 1922. Serial No. 534,759. 7 Claims. (Cl. 83—53.)



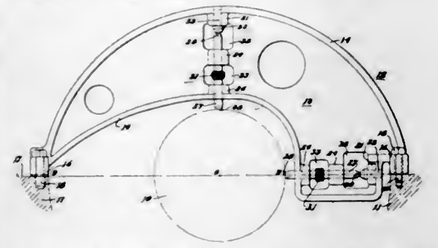
1. Apparatus for crushing or reducing minerals, ores and other material, comprising, in combination, a pair of oppositely arranged stationary anvils, an opposing crushing jaw for each anvil, and a fluid actuated percussive device which is positively operated in both directions and arranged between the crushing jaws and adapted to directly impact upon and so actuate one of said crushing jaws at the end of each stroke as set forth.

1,468,760. STOKER. EARLL R. STONE, Wilkinsburg, Pa., assignor to Westinghouse Electric & Manufacturing Co., a Corporation of Pennsylvania. Filed Nov. 8, 1919. Serial No. 336,668. 4 Claims. (Cl. 110—40.)



2. In a furnace having a progressive feed grate, the combination of a hopper at an elevated position and adapted to deliver fuel to an intermediate portion of the furnace grate, a second hopper at a lower level and in front of the elevated hopper and adapted to deliver fuel to an end portion of the furnace grate, an inclined fuel chute adapted to supply fuel to the hoppers, and means provided in said chute to deliver fine fuel to the elevated hopper and coarse fuel to the lower hopper.

1,468,761. BRIDGE GAUGE. HARRY D. SUMMERS, Essington, Pa., assignor to Westinghouse Electric & Manufacturing Company, a Corporation of Pennsylvania. Filed Jan. 13, 1922. Serial No. 529,012. 5 Claims. (Cl. 33—143.)



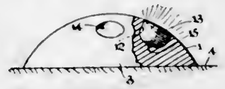
1. A bridge gauge for journals comprising a beam member adapted to be fixed with respect to a datum point, movable feeler pins carried by the beam member and adapted to be moved into engagement with the journal, and means associated with the feeler pins whereby the position of said journal with respect to the datum point may be measured at points not contiguous to the journal.

1,468,762. TELESCOPE, MICROSCOPE, AND THE LIKE. ALFRED TAYLOR and HAROLD DENNIS TAYLOR, York, England. Filed July 20, 1920. Serial No. 397,711. 2 Claims. (Cl. 88—33.)



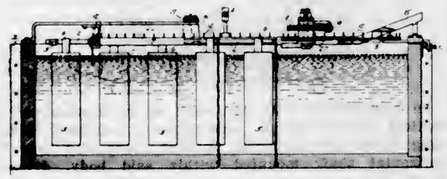
1. In a system of lenses adapted for use as telescopes, microscopes and the like, the combination of an objective, a field lens and two compound eye lenses with a compound negative corrector lens the nominal power of said corrector lens being substantially equal to the sum of the nominal powers of all the positive lenses in the same system.

1,468,763. SIGNAL. THOMAS I. TEMPLE and ELIZABETH A. TEMPLE, Medford, Oreg. Filed Oct. 21, 1922. Serial No. 595,967. 2 Claims. (Cl. 40—125.)



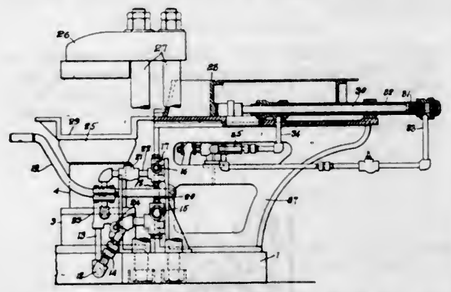
1. A signal of the character described comprising an opaque holder having a flat lower face and a convex upper face curved uniformly from its center to its outer edge, said lower face and said upper face being merged one into the other at their outer edges, said holder having a plurality of seats opening through the upper face thereof at points intermediate the center and the outer edge of said upper face, and a light reflecting signal element interfitting each seat, the outer face of said light reflecting signal element being concavely curved.

1,468,764. ELECTROPLATING APPARATUS. VAN WINKLE TODD, Milburn, N. J., assignor to The Hanson & Van Winkle Company, Newark, N. J., a Corporation of New Jersey. Filed Dec. 27, 1922. Serial No. 609,289. 6 Claims. (Cl. 204—5.)



1. In an electroplating machine the combination of a channel shaped cathode bar upon the vertical flanges of which work may be slidably supported, and a conveying means in said channel adapted to engage with work hung upon the flanges of the channel to effect a longitudinal movement of said work along and in contact with said bar.

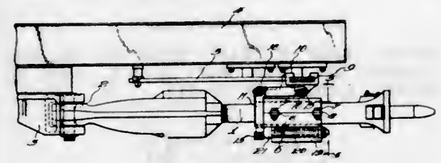
1,468,765. CAKE-FORMING MACHINE. RUSSELL A. TRACE, Dayton, Ohio, assignor to Buckeye Iron and Brass Works, Dayton, Ohio, a Corporation of Ohio. Filed Oct. 18, 1920. Serial No. 417,824. 9 Claims. (Cl. 100—51.)



1. In a former, a low pressure inlet valve, an outlet valve, means for successively actuating said valves at will, a high pressure inlet valve, means for cutting off a low pressure supply at a predetermined pressure, and means for applying a high pressure to the forming head after the low pressure has been applied.

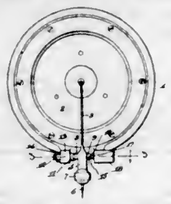
9. In a former, a low pressure supply line, a high pressure supply line, a low pressure inlet valve, a high pressure inlet valve, an outlet valve, means for operating said inlet low pressure and outlet valves, an inlet check valve adapted to be opened by the low pressure and closed by the high pressure and means for opening the high pressure valve when the low pressure reaches a predetermined pressure, a ram, means for communicating pressure to said ram, a check valve in the low pressure supply line, a movable head carried by the ram, having a receptacle mounted thereon below the level of a charging means, a charging means adapted to be reciprocated in and out of charging position consisting of a hopper to carry the charge adapted to be moved over said receptacle on the movable head, between said head and a stationary head of the former, a stationary head, means for support therefor consisting of standards to the rear of the movable head and on either side of said charging apparatus, and means for actuating said charging apparatus at the will of the operator, whereby low pressure and high pressure are successively applied to said ram.

1,468,766. DRAWBAR CARRIER. HERBERT E. VAN DORN, Chicago, Ill. Filed Sept. 9, 1921. Serial No. 499,533. 10 Claims. (Cl. 213—14.)



1. In an apparatus of the character described, a drawbar, a member connected with and slidable lengthwise of said drawbar, a support, a lever hinged at one end to said support and at an intermediate point to said member, and a spring between the other end of said lever and said member in position to be stressed when the drawbar is pressed downwardly.

1,468,767. SOUND-REPRODUCING APPARATUS. ANTHONY VASSELLI, Newark, N. J., assignor, by mesne assignments, to General Phonograph Corporation, New York, N. Y., a Corporation of New York. Filed Oct. 9, 1919. Serial No. 329,479. 3 Claims. (Cl. 274—35.)

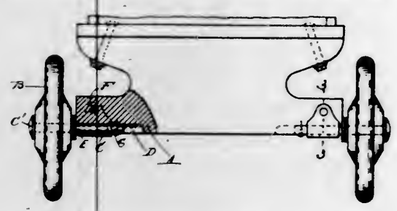


1. In a sound box, a casing, a diaphragm, a stylus arm secured to the diaphragm, oppositely disposed trunnions carried by the stylus arm, a pivotal support for one of said trunnions and a support for the other trunnion adapted to permit of slidable movement of said trunnion in a direction parallel with the stylus arm.

1,468,768. SPINDLE MOUNTING. JOSHUA F. VOGEL and FRANK A. NAUTS, Toledo, Ohio, assignors to The Gendron Wheel Company, Toledo, Ohio, a Corporation of Ohio. Filed Sept. 30, 1921. Serial No. 504,802. 1 Claim. (Cl. 301—132.)

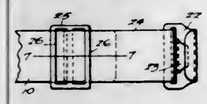
The combination with a vehicle bolster having a flat lower face provided with relatively short longitudinally extending grooves at the ends thereof, of headed spindles disposed wholly within the grooves and extending out-

wardly from the ends of said bolster, wheels mounted on said spindles between the heads thereof and said bolster, headed elements extending through said spindles adjacent to the inner ends thereof and securing the same to said bolster, and channel-shaped clips having rela-



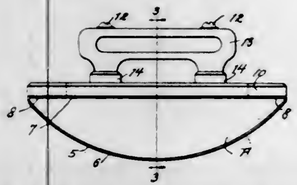
tively wide bases engaging the flat lower face of said bolster between said headed elements and said wheels for retaining said pins in said grooves, the sides of said clips engaging the opposite sides of said bolster, and means extending through the bolster and the sides of each clip for securing the latter to said bolster.

1,468,769. BELT BUCKLE. PETER K. WILLIAMS, Columbus, Ohio. Filed Sept. 13, 1922. Serial No. 588,067. 1 Claim. (Cl. 24—74.)



A belt buckle provided with spaced belt engaging connections upon its rear face and having rearwardly projecting ears between said belt connections, a vertically disposed lever pivoted at its upper end between and to said ears and having a depending trouser engaging extension and a forwardly projecting lip at its upper end, and a spring secured vertically along the rear surface of the buckle and having an upper free end engaging said lip to hold the lever in its active and inactive positions.

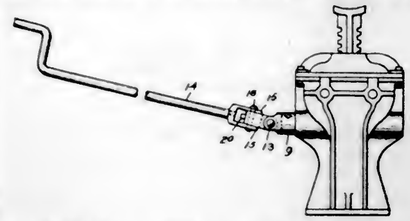
1,468,770. BLOTTER HOLDER. EDWIN W. WILSMAN, Green Bay, Wis. Filed June 30, 1922. Serial No. 572,047. 1 Claim. (Cl. 120—24.)



A holder of the character described, comprising a body having a rounded bottom and flat top, a center rib on the top, a plate removably fitted upon the top and having an opening for receiving the rib, a handle rising from the rib, and turn latches between the handle and rib for fastening the plate on the top.

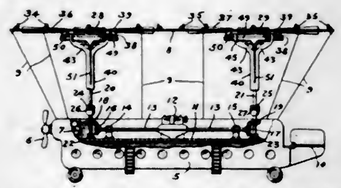
1,468,771. JACK HANDLE. EDWIN E. ARNOLD, Pittsburgh, Pa., assignor to Rees Manufacturing Company, Pittsburgh, Pa., a Corporation of Pennsylvania. Filed Dec. 8, 1922. Serial No. 605,621. 5 Claims. (Cl. 254—1.)

1. In a jack handle, a socket member, a handle member and a link pivotally connected to said members and relatively slidable lengthwise of one of said members to permit said member to be moved into a position in which



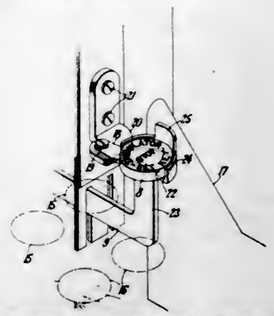
it is locked against pivotal movement with relation to said link.

1,468,772. VERTICAL-CONTROL DEVICE FOR AIRPLANES. BERNHARDT W. BLOOMQUIST, Seattle, Wash. Filed Sept. 25, 1922. Serial No. 590,338. 1 Claim. (Cl. 244—19.)



In combination with the body of an airplane of a vertical control device comprising a relatively large wing surface symmetrically secured above said body, a horizontal shaft mounted within said body, driving means for said shaft, vertical shafts geared to said horizontal shaft, anti-friction bearings for said shafts, hubs secured to the upper ends of said vertical shafts, spokes radially secured to said hubs in the plane of said wing surface, rims secured to the outer ends of said spokes within annular apertures in said wing surface, roller bearings for said rims, propeller blades pivotally mounted on said spokes, said blades having beveled inner ends terminating short of said hubs, standards having bifurcated arms and fingers, outer and inner annular track members telescopically mounted in said standards, rollers secured to the inner corners of said propeller blades adapted to engage said track members, and lever means adapted to impart reciprocal movement to said track members to regulate the pitch of said propeller blades.

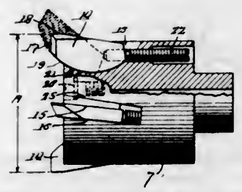
1,468,773. TYPEWRITING MACHINE. JOSEPH W. BOND, Philadelphia, Pa., assignor to Underwood Typewriter Company, New York, N. Y., a Corporation of Delaware. Filed Oct. 25, 1919. Serial No. 333,351. 9 Claims. (Cl. 197—179.)



1. In a typewriting machine, the combination with a traveling carriage, of stops thereon at letter-space inter-

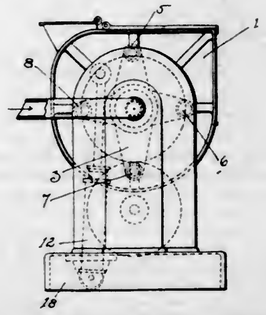
vals, a frame for the machine, keys forming part of a keyboard and including a tabulating key and a stop-setting key, and a device permanently shiftable from a normally ineffective position to a position for preventing any actuation of the stop-setting key by mistake for the tabulating key.

1,468,774. INSERTED-TOOTH CUTTER. HARRY J. CALDWELL, Rockford, Ill., assignor to The Ingersoll Milling Machine Company, Rockford, Ill., a Corporation of Illinois. Filed May 27, 1921. Serial No. 473,058. 6 Claims. (Cl. 29—105.)



1. An inserted tooth milling cutter, comprising a cylindrical mill body having circumferentially spaced tooth sockets radially disposed and intersecting the periphery in a plane inclined with respect to the longitudinal axis of said body and having an internally threaded bore in alignment with and intersecting each tooth socket and reaching to the end of the mill body remote from its tooth socket end, a cutter tooth in each socket having an inner arcuate edge seating on the bottom of its socket, a screw in each threaded bore bearing at one end against its respective tooth and adapted to be turned from its opposite end for advancing its tooth longitudinally, and means for rigidly securing the teeth in the mill body.

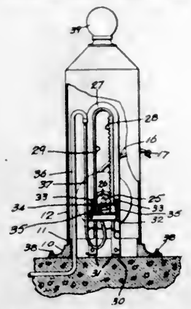
1,468,775. PROCESS OF PREPARING DOUGH. WILLIAM A. DARRAH, Chicago, Ill., assignor to The Ekco Engineering Company, Chicago, Ill. Filed Feb. 7, 1921. Serial No. 443,240½. 6 Claims. (Cl. 99—10.)



1. In the process of making dough the step of adding much more water than is required in the finished product, and evaporating out the excess.

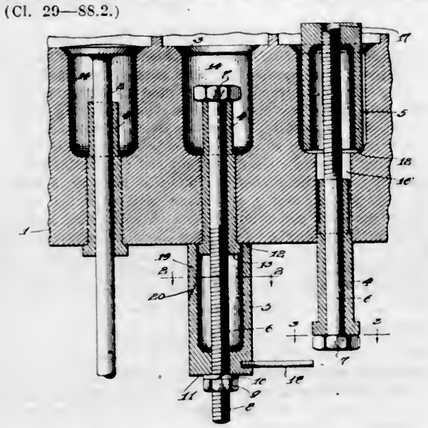
1,468,776. AIR-HOSE CABINET. WILLIAM DOLL, St. Louis, Mo. Filed Apr. 13, 1922. Serial No. 552,154. 2 Claims. (Cl. 242—86.)

1. An air hose cabinet comprising a base, a housing having an opening in one side secured to said base, U shaped frames having a rack formed on one side secured at their lower ends to opposite sides of said base, a reel, a shaft secured in said reel and projecting beyond the sides thereof, flanged pinions secured to said shaft near its ends and meshing with said racks, a spring bumper carried by each U frame and adapted to contact with said shaft at its ends for limiting the downward movement thereof, a pipe secured to said reel, a hose attached to one end of said pipe, said hose adapted to be wound on said reel and project through the opening in the housing, and



a second hose attached to the pipe carried by the reel, said second hose being wound around the shaft in the direction opposite to the hose on the reel so that when the hose on the reel is pulled from the cabinet the reel is raised and the second hose wound up on the shaft, the lowering of the reel rewinding the hose thereon and unwinding the hose from the shaft.

1,468,777. TOOL FOR REMOVING AND REPLACING VALVE GUIDES. SAMUEL M. EDWARDS, Detroit, Mich. Filed Feb. 27, 1922. Serial No. 539,746. 1 Claim. (Cl. 29—88.2.)

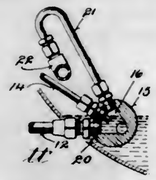


A device of the class described comprising a member adapted to bear against an engine cylinder block and to be positioned adjacent a valve guide in said block, a rod extending through said valve guide and said first mentioned member and having a head on one end thereof adapted to bear against said valve guide, a nut on the other end thereof adapted to bear against said first member, whereby inward movement of said nut on said rod will cause the displacement of said valve guide, and a handle on said first member whereby the same may be held in a desired position.

1,468,778. SPLASH LUBRICATING SYSTEM. LAWRENCE M. ENDRES and MICHAEL A. ENDRES, Dane, Wis. Filed Nov. 17, 1921. Serial No. 515,778. 4 Claims. (Cl. 184—103.)

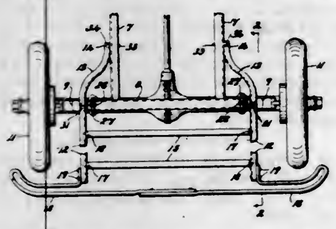
1. An oil feed mechanism for crank cases comprising a reservoir and oil pipe extending therefrom, an air inlet pipe extending therefrom, a chambered member receiving

said pipes a connection between said member and the crank case, said connection having a duct therein, the end of said air inlet pipe extending through an opening



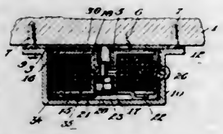
in said chambered member and slidable upwardly in said opening to regulate the height of oil in said crank case, and a second air inlet pipe communicating with said chambered member.

1,468,779. LUGGAGE CARRIER AND REAR BUMPER. WARREN G. ENGLE, Philadelphia, Pa. Filed Aug. 14, 1922. Serial No. 581,856. 4 Claims. (Cl. 293—55.)



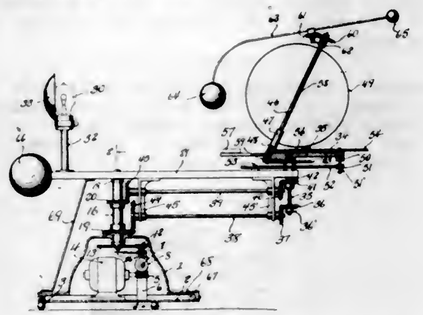
1. The combination with a vehicle chassis and the rear cross member thereof, of an attachment comprising a pair of opposed rearwardly directed angle bars having inwardly curved forward ends adapted to abut the chassis side members, transverse tie slats rigidly bracing said side angle bars in parallel spaced relation, a bumper bar secured to the rear ends of the side angle bars, opposed elongated castings each having spaced walls adapted to fit upwardly into the aforesaid rear cross member, a horizontal web portion and a depending wall provided with an outset shoulder, means for adjustably connecting said elongated castings in the outer ends of the chassis rear cross member, clamping means for securely retaining said elongated castings in adjusted position, and means for clamping the inwardly curved forward ends of the angle side bars to the lower lateral flanges of the chassis side members.

1,468,780. COMBINED REEL, BALANCE WEIGHT, AND ANCHOR FOR DECOYS. LE ROY B. FRASER, Toledo, Ohio. Filed Nov. 13, 1922. Serial No. 600,770. 7 Claims. (Cl. 43—3.)



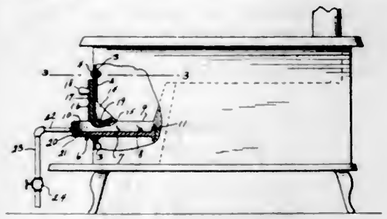
5. In a device of the class described, the combination of a plate having means for attachment to a decoy and a hub projecting from said plate, a reel comprising two plate members with inwardly extending hollow hubs, one of said hubs arranged to fit over the hub of said first-named plate, pivotal means securing the members of said reel to said hub, a cord wound upon said reel, a cover for enclosing said reel and cord, and arranged for connection with said cord, said cover having an outstanding flange, and interlocking means between said plate and flange.

1,468,781. AUTOMATIC TELLURIAN. WILLIAM E. GOCHENOUR, Portage, Wis. Filed Mar. 5, 1923. Serial No. 623,007. 5 Claims. (Cl. 35—3.)



1. A tellurian comprising a revolubly mounted frame, an electric motor adapted to rotate such frame, an auxiliary frame carried by said first-mentioned frame and having a sleeve angularly mounted thereon, a sphere mounted upon said sleeve, gearing adapted to rotate said auxiliary frame and said sphere when said first-mentioned frame is rotated, a second independent set of gearing, axially mounted with respect to said auxiliary frame, independent means for operatively connecting said second gearing with a stationary portion of the apparatus, a smaller sphere adapted to be revolved about said main sphere by means of said auxiliary gear, and clutch members adapted to enable the interruption of various operations of the gearing.

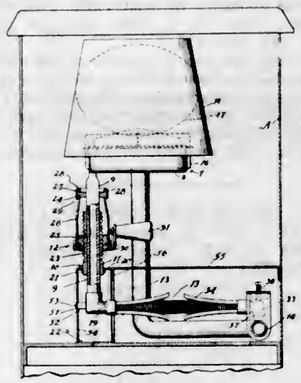
1,468,782. BURNER. JAMES H. GOOCH, Paris, Tex. Filed Sept. 20, 1922. Serial No. 589,392. 2 Claims. (Cl. 158—8.)



2. A burner for a stove having a feed opening in its front, comprising a horizontally disposed pan located at the bottom of said opening and projecting beyond the front of the stove, said pan having a rear deflector wall, side walls and a curved front wall, uprights formed integrally upon the sides of the pan, the side flanges being formed with curved recesses extending downwardly from the upper edges, a feed pipe leading through said curved front wall and discharging onto the pan, and a removable gate fitting between said uprights and formed at its lower edge with a curved wall portion seating within said recesses, said gate having lateral flanges bearing against the outer faces of the uprights to prevent tilting, the curved wall portion of the gate and the curved front wall of the pan cooperating to define an air inlet passage.

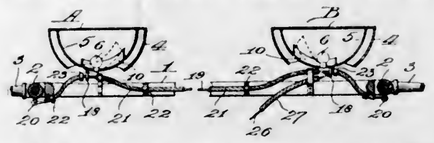
1,468,783. OIL STOVE. RUDOLPH HOFFMAN, Kankakee, Ill., assignor to Sears, Roebuck and Co., Chicago, Ill., a Corporation of New York. Filed Mar. 3, 1922. Serial No. 540,744. 44 Claims. (Cl. 158—37.)

1. An oil stove comprising, in combination with a source of oil supply, a constant-level oil burner having a burner bowl, a rigid upright tubular stem of substantial length depending from the bowl, means for supporting the stem in various positions of vertical adjustment, and



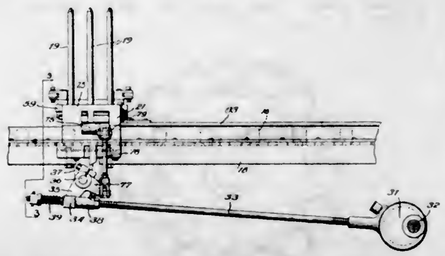
an approximately straight flexible conductor connecting the lower end of the stem with the source of oil supply permitting of the vertical movement of the bowl.

1,468,784. LIGHT-DEFLECTING HEADLIGHT. CORA ELIZABETH HUGHES, Los Angeles, Calif., assignor of one-third to Thomas M. Ingman and one-third to Lloyd L. Elliott, both of Los Angeles, Calif. Filed May 25, 1922. Serial No. 563,643. 4 Claims. (Cl. 240—44.)



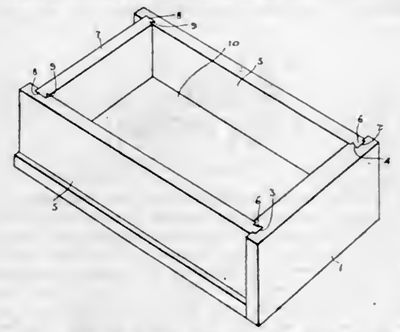
1. A headlight having a fixed reflector, a source of light supported by said fixed reflector, said fixed reflector having an opening therein extending in one direction beyond said source of light, a movable reflector pivoted in said opening upon an axis extending through said source of light, and means for turning said movable reflector in said opening to deflect a portion of the rays of light from said headlight.

1,468,785. PROCESS AND APPARATUS FOR CLOSING FILLED CANS. FELIX HUNTAR, New York, N. Y., assignor to American Can Company, New York, N. Y., a Corporation of New Jersey. Filed Apr. 10, 1920. Serial No. 372,965. 10 Claims. (Cl. 113—14.)



1. In an apparatus for feeding can ends to filled can bodies, the combination of devices for advancing can bodies to the can end receiving station, devices for placing a can end on the can body at said station and subsequently acting means at said station for pressing said end down upon said body while the latter is in its can end receiving position.

1,468,786. CABINET JOINT. JACOB S. KNECHTEL, Hanover, Ontario, Canada. Filed Feb. 4, 1922. Serial No. 534,149. 1 Claim. (Cl. 20—92.)



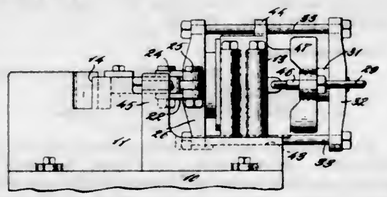
In a cabinet joint, a board having a groove cut thereacross in one face, the inward side of the groove being arranged at an acute angle with the said face of the board, the bottom of the groove being parallel with the face of the board and the outward side of the groove being at right angles to the bottom and parallel with and spaced from the end face and terminating intermediate of the depth of the inward side of the groove, and a board having an acute angular notch in one side at the end and a right angular notch in the opposite side at the end, the acute angular notch extending longitudinally of the board a greater distance than the right angular notch, the wood between the two notches forming a tongue to engage the groove in the mating board.

1,468,787. RAILWAY TIE. GEORGE KOEBLER, Waukesha, Wis. Filed May 24, 1923. Serial No. 641,184. 4 Claims. (Cl. 238—31.)



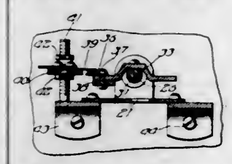
1. A tie of the class described having a main member adapted to be placed between two rails, members secured to said main member and engaging the outer side of said rails, and interlocking means carried by said main member and the second said members for holding the tie in place.

1,468,788. FLUID-OPERATED BAND-PUNCHING MACHINE. HARRY W. KRANZ and JOHN LUKES, Cleveland, Ohio, assignors to The Hydraulic Pressed Steel Company, Cleveland, Ohio, a Corporation of Ohio. Filed June 28, 1920. Serial No. 392,455. 7 Claims. (Cl. 164—90.)



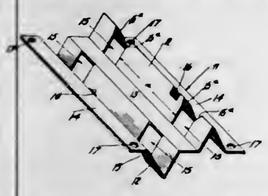
1. In a device of the kind described, the combination with a guide block having a fluid pressure cylinder connected thereto, of pistons working in said cylinder block, said block having a circumferential guide way to receive a rim or band, and one or more substantially longitudinal guide ways each adapted to receive a punch carrying plunger and means connecting said plunger or plungers with said pistons.

1,468,789. ELECTRIC-CONTACT-OPERATING DEVICE. OSCAR M. LEICH, Genoa, Ill., assignor to Leich Electric Company, Genoa, Ill. Filed Apr. 24, 1918. Serial No. 230,447. 18 Claims. (Cl. 175—365.)



1. A device of the character described comprising an electromagnet, an armature adapted to be vibrated thereby, a shaft carrying said armature mounted for pivotal movement, a contact plate carried by the shaft and reciprocated therewith, a plurality of contacts simultaneously cooperating with the contacts on said plate, and means for maintaining said plate normally biased and thus free of the contacts, said means having a uniform effect on the period of vibration of the armature.

1,468,790. CONCRETE-FORM TIE AND SPACER. HARRY A. ORLOPP, Los Angeles, Calif., and DAVID BAKER SMITH, El Paso, Tex. Filed Feb. 5, 1923. Serial No. 616,946. 27 Claims. (Cl. 25—131.)

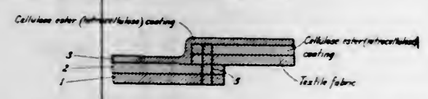


7. A tie for concrete or like forms, embodying a metal plate integrally ridged and the ridge having notches near its ends.

13. A tie for concrete or like forms, embodying a metal plate integrally rigid and the ridge having notches near its ends, and the ridge having a key-receiving notch adjacent the first mentioned notches.

16. A tie for concrete or like forms, embodying a plate having projections forming notches to take a form board or plate edge, and the tie plate having apertures at its corners whereby two tie plates may be connected together, substantially as desired.

1,468,791. WEARING APPAREL IMPERVIOUS TO ACIDS AND POISONOUS GASES AND PROCESS OF MAKING SAME. CLINTON D. ABRAHAM and GEORGE L. SCHWARTZ, Wilmington, Del., assignors to E. I. du Pont de Nemours & Company, Wilmington, Del., a Corporation of Delaware. Filed June 21, 1919. Serial No. 305,921. 15 Claims. (Cl. 91—68.)



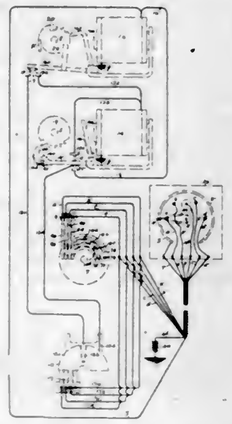
1. The process of making acid-impervious and resistant seamed-fabric articles having one side, including the seams, protectively coated and the other side free of such coating, which comprises joining together suitably shaped pieces of fabric, coated upon one side only with a cellulose ester, to give the article, applying a cellulose ester coating solution to said one side only and to the seams, and drying the thus coated article.

8. A protective article comprising a plurality of pieces of fabric sewed together and so coated upon the exterior side only with a cellulose ester as to be impervious to liquids.

1,468,792. METHOD OF RECOVERING OXALIC ACID. EDWARD A. BARNES, Oakland, Calif., assignor to California Cap Company, Oakland, Calif., a Corporation of California. Filed Jan. 2, 1923. Serial No. 610,365. 4 Claims. (Cl. 260—119.)

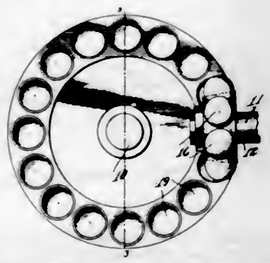
4. The production of oxalic acid from the waste liquors obtained during the manufacture of fulminate of mercury, which consists in subjecting the residual liquors to evaporation until the specific gravity of the liquor approximates 1.200 oxidizing the glycolic acid, and then cooling the liquor to permit the oxalic acid to crystallize.

1,468,793. SWITCH FOR CONTROLLING IGNITION CIRCUITS. JAMES A. BESSEY, Jr., Marcellus, N. Y. Filed May 10, 1922. Serial No. 559,894. 9 Claims. (Cl. 175—375.)



1. The combination of a selective unit having a dial, a pointer, and a plurality of hidden contacts adapted to be engaged by depressing said pointer, a rotor having a number of brushes in constant connection with said hidden contacts, a knife carried by said rotor, a primary circuit having spaced terminals disposed in the path of said knife, an electromagnet adapted to operate said rotor for effecting the contact of said knife with said terminals, an electromagnet adapted to release said rotor for breaking said circuit, and a rockable circuit breaker for selectively operating said electromagnets.

1,468,794. GEAR CONSTRUCTION. JOHN E. BLODGETT, Holland, Mass. Filed Sept. 18, 1922. Serial No. 588,937. 3 Claims. (Cl. 74—41.)



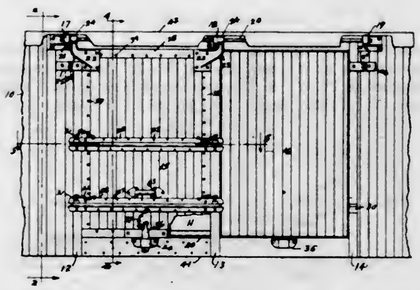
1. The combination with a gear having hemispherical projections constituting teeth, of a second wear having a series of spaced hemispherical recesses, and hollow hemispherical linings fitting in said recesses and receiving said teeth.

1,468,795. SMOKING PIPE. ALBERT G. BLOMSTER, San Diego, Calif. Filed Nov. 6, 1919. Serial No. 336,022. 3 Claims. (Cl. 131—12.)



2. A smoking pipe comprising a bowl, a stem communicating with the bowl at one end, said stem having a plurality of longitudinal passages, connections at the ends of said passages for causing the smoke to pass back and forth through said passages, a chamber connecting with the end of one of said passages, said chamber having a partition, and a mouthpiece having a saliva chamber and means for establishing communication between said saliva chamber and said first named chamber.

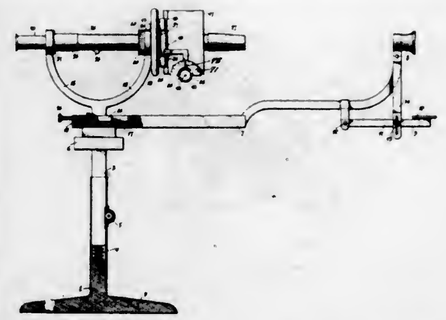
1,468,796. BOX-CAR DOOR. ROBERT A. BOWEN, Spokane, Wash. Filed Dec. 24, 1920. Serial No. 432,917. 1 Claim. (Cl. 20—23.)



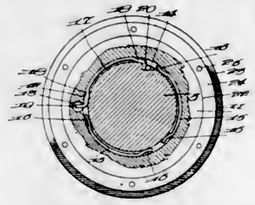
In a box car having a side door opening, strips vertically mounted, one on each side of the opening, a door adapted to fit the opening with its sides adapted to fit against said strips, a rod horizontally mounted on the side of the car above the door, hangers attached to the door having portions slidably engaging said rod, keepers on said strips, supports arranged transversely on the door having U shaped guides therein adapted to engage the keepers on the strips and pins for fastening said supports and keepers together, whereby the weight of the door is partially supported by said strips.

1,468,797. OPTOMETRICAL METHOD AND INSTRUMENT. BENJAMIN E. BRIERTON and JAMES H. TINDER, Birmingham, Ala. Filed Apr. 20, 1921. Serial No. 462,822. 8 Claims. (Cl. 88—20.)

1. The herein described method of examining the cornea of the eye for determining the refractive state of each of the annular areas thereof and for locating the axes of the two principal meridians of greatest and least refraction respectively, which comprises reflecting a pair of contiguous images of a pair of contiguous objects having their proximate edges in touch from a given diameter of the pupillary area of the cornea under examination and causing said images to appear to the observer as a double pair of such contiguous images, varying the image doubling effect while said double pairs of images are under observation to measure the refractive state of the central zone of the pupillary area, then successively separating said objects to progressively increasing extents to cause their images to be reflected successively from the annular areas lying between the central zone of the pupillary area and the periphery of the cornea and causing said images as reflected successively from the annular areas outside of the central zone of the pupillary area to appear to the observer as two pairs of images which are separated to different extents, and concurrently varying the image doubling effect to measure the refractive state of each successive annular area outside of the central zone, and repeating said operations and measurements on other diameters of the cornea under examination.

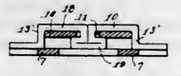


1,468,798. PAPER-RULING MECHANISM. ALBERT BROADMEYER, Harrisburg, Pa., assignor to The W. O. Hickok Mfg. Co., Harrisburg, Pa., a Corporation of Pennsylvania. Filed Sept. 8, 1921. Serial No. 499,332. 11 Claims. (Cl. 33—37.)



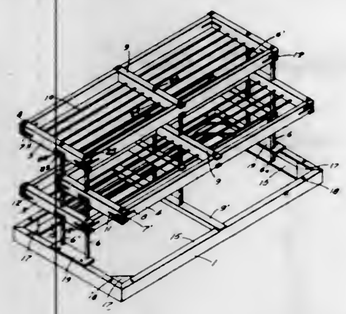
1. In a ruling machine, the combination with a shaft, of a ruling disk mounted thereon and including a chambered hub portion, and yielding friction means in the chambered hub portion and movable with respect thereto, said means frictionally binding upon the shaft.

1,468,799. WAISTBAND FOR TROUSERS. GEORGE A. BUSCH and WILLIAM SCHMIDT, Louisville, Ky. Filed Sept. 16, 1922. Serial No. 588,637. 2 Claims. (Cl. 24—222.)



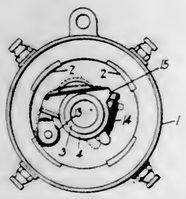
1. In a separable fastener, a keeper section including a base plate, an extension formed integral with the base plate, said extension having an elongated opening, a fastener section, said fastener section including a shank and a head, and right angled portions formed adjacent to the ends of the fastener section, said right angled portions adapted to engage the side edges of the extension of the keeper section to restrict lateral movement of the fastener section, and said head adapted to move in the elongated opening of the extension.

1,468,800. RACK FOR BOOTS, SHOES, AND THE LIKE. JOHN S. CANTELO, Boston, Mass. Filed Feb. 11, 1916, Serial No. 77,657. Renewed July 13, 1920. Serial No. 395,995. 11 Claims. (Cl. 211—14.)



1. A rack for boots, shoes and the like comprising a truck base, a plurality of shoe holding trays of wood, and means for supporting said trays in spaced apart relation above said base consisting in series of tie rods extending from said base up through all of said trays with spacing sleeves fitted on said rods and engaging adjacent trays from above and beneath respectively, said trays having metallic inserts in the wood thereof for engagement by said sleeves and clamping nuts engaged with said rods adapted to draw up and clamp said trays in rigidly assembled relation on said base.

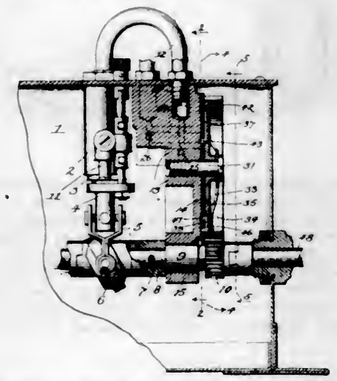
1,468,801. AUTOMATIC SPARK-ADVANCING DEVICE. NEWELL H. CLARK, New Richmond, Ohio. Filed June 7, 1922. Serial No. 566,636. 2 Claims. (Cl. 200—25.)



2. In a device of the type described, the combination with an annular housing, of contact segments set in the inner wall of said housing, a timer shaft projecting into said housing, a collar loosely mounted on said shaft, a roller arm pivotally secured to said collar, a contact roller on said arm adapted to successively engage the contact segments, an arm fixedly secured to said shaft, a projection on said collar, a flat spring connected between the last named arm and the said projection, and a segmental weight secured to the middle portion of said spring for the purpose specified.

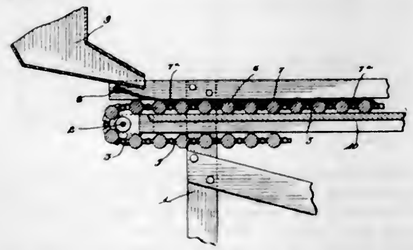
1,468,802. DISTRIBUTOR FOR LUBRICATORS. THOMAS E. COLEMAN, Madison, Wis. Filed Sept. 23, 1920. Serial No. 412,135. 10 Claims. (Cl. 184—35.)

8. In a distributor for lubricators the combination of a casting having a flat finished face and a head to one side of the same, a series of openings formed in the head and terminating in ports opening through said face, said ports being arranged at different distances from the center of said face; a rotatable disk-like member bearing against said face; said member having ported channels formed therein located at different distances from the axis of rotation thereof to connect one of the ports in the face with the other ports therein



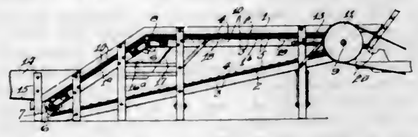
in succession; means for holding the disk against the face; a gear about the periphery of the disk; and a driving pinion meshing therewith.

1,468,803. INSPECTION TABLE. WILLIAM A. CONTANT, Rochester, N. Y., assignor to F. B. Pease Company, Rochester, N. Y., a Corporation of New York. Filed Dec. 28, 1922. Serial No. 609,487. 2 Claims. (Cl. 130—32.)



1. An inspection table comprising an endless moving conveyor having bars, and a flexible sheet having a width substantially equal to the length of the bars, resting on said conveyor and held against movement therewith.

1,468,804. SORTING APPARATUS. WILLIAM A. CONTANT, Rochester, N. Y., assignor to F. B. Pease Company, Rochester, N. Y., a Corporation of New York. Filed Jan. 12, 1922. Serial No. 528,855. 8 Claims. (Cl. 130—32.)



1. A sorting apparatus comprising an endless conveyor having a plurality of rotatably mounted rollers arranged in parallel relation, means for guiding the conveyor to provide an elevating portion and an inspecting portion to which the articles are guided from the elevating portion, the rollers being non-rotating on the elevating portion, and means for rotating the rollers on the inspecting portion.

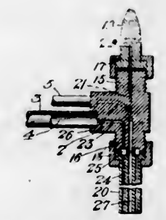
1,468,805. ISOMERIC PRODUCT OF REDUCTION OF OXYCODEINON AND PROCESS OF PREPARING THE SAME. MARTIN FREUND, deceased, late of Frankfort-on-the-Main, Germany, by Walter Freund, administrator, Frankfort-on-the-Main, Germany, and Edmund Speyer, Frankfort-on-the-Main, Germany. Filed July 15, 1921. Serial No. 485,130. 3 Claims. (Cl. 260—25.)

1. The process of preparing dihydrooxycodeinon, melting at 222° C., which consists in reducing oxycodeinon in an acetic acid solution by molecular hydrogen in the presence of a metal catalyst of the platinum group.

1,468,806. METALLURGICAL PROCESS. WILLIAM E. GREENAWALT, Denver, Colo. Filed July 19, 1921. Serial No. 485,885. 23 Claims. (Cl. 75—18.)

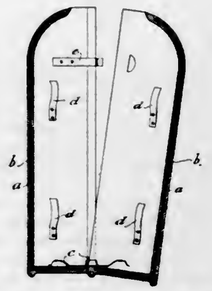
1. A process of treating pyritic copper ore or concentrate which consists in roasting the material until the larger portion of the sulphur is eliminated and most of the iron converted into the oxide, then adding small quantities of pyritic ore to the hot partly roasted material and completing the roasting, and leaching the copper from the roasted material.

1,468,807. COMBINATION CUTTING AND WELDING TORCH. JAMES FRANK GOOCH, Raleigh, N. C. Filed July 10, 1922. Serial No. 574,055. 5 Claims. (Cl. 158,27.4.)



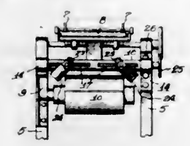
1. In a combined cutting and welding torch, the combination with means for receiving and dispensing a supply of oxygen and combustible gas, of a substantially rigid multiple tip receiving head therefor, means for simultaneously securing thereto separate cutting and welding tips and means separate from said head for controlling the necessary gas supply to said tips.

1,468,808. BOTTLE PROTECTOR. VICTOR HAMILTON, Calgary, Alberta, Canada. Filed Mar. 23, 1922. Serial No. 546,171. 1 Claim. (Cl. 215—12.)



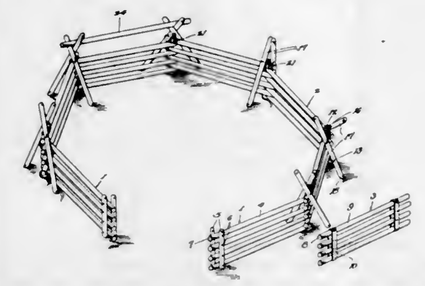
An article of the character described comprising a laminated casing formed in two corresponding parts or halves which parts are hinged together at their base. Perpendicular spring members disposed at intervals upon the interior faces of the said members, a base spring in the form of a cross secured to the interior surface of the base of one of the said casing members, oppositely disposed spring clips mounted interiorly upon one of the said casing members engaging in slots upon the interior of the other casing member and releasing buttons mounted adjacent the said springs to co-act upon the said spring clips to open the receptacle upon the hinged joint in the base of the said casing for the insertion of a bottle.

1,468,809. TIRE-BUILDING MACHINE. WALTER H. HERMANN, Columbus, Ohio. Filed Aug. 9, 1920. Serial No. 402,471. 10 Claims. (Cl. 242—55.)



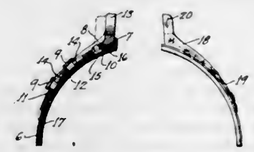
7. In a tire building machine wherein a stock roll is supported on a supporting spindle and capable of laterally shifting thereon: means engaging by gravity the ends of the stock roll to prevent lateral movement of the stock roll on its supporting spindle.

1,468,810. TOY FENCE. EDWIN G. HINES, Drums, Pa. Filed Feb. 3, 1922. Serial No. 533,871. 4 Claims. (Cl. 256—25.)



1. In a toy fence structure, fence sections connected at their ends for relative angular adjustment and including rails, and a bracing post structure comprising crossed post members and means mutually connecting said members and connected also with one of said rails, the said means comprising a coiled spring anchored at its ends to the post members and having its coils engaging about one of said rails.

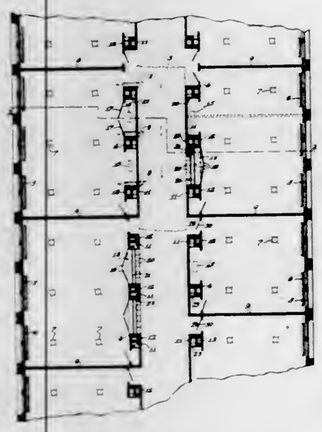
1,468,811. TRANSMISSION OR BRAKE BAND. GLENN R. HOFFMAN, St. Louis, Mo., assignor, by mesne assignments, to Parks & Bohne, Inc., St. Louis, Mo., a Corporation of Missouri. Filed Jan. 16, 1922. Serial No. 529,649. 3 Claims. Cl. 188—249.)



3. An automobile transmission or brake band comprising a split ring, of spring steel doubled upon itself at an end and thereby provided integrally with an ear-abutment and an adjacent shoulder, a series of spaced headed-

studs upstanding from the ring, the ring being recessed intermediate said shoulder and said studs, an ear having a shank shouldered at an end, said shank being acuated to conform to the curvature of and to removably fit upon the ring and being provided with a series of stud-accommodating button-hole slots having their reduced portions disposed away from its said shouldered end, and a pin projecting from the under face of said shank for co-operation with said ring recess, the ear and ring being adapted for interlocking sprung engagement at their shouldered ends for securing the ear in separable engagement at its slots and pin with the studs and recess of the ring.

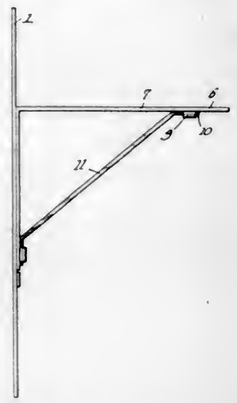
1,468,812. BUILDING CONSTRUCTION. WARREN S. HOLMES, Lansing, Mich. Filed Feb. 27, 1922. Serial No. 539,488. 7 Claims. (Cl. 80—1.)



1. A building construction wherein an outer wall is provided with a series of windows for the admission of light to a plurality of rooms extending inwardly from said wall, said rooms each comprising one or more room units each of which units includes a window of said outer wall, heating means for said unit, artificial lighting means for said unit and a pier position at the inner end of said unit oposite said window to provide a support for the ceiling and floor above, and provided with a ventilating flue opening into said room unit, the piers of the several room units being spaced apart with each pier positioned centrally of the inner end of each unit and opposite the window of the unit, whereby a fixed and permanent ventilating flue is provided for each unit by said supporting pier and a dividing wall devoid of lighting, heating and ventilating means and the space at either side of the pier may be utilized as part of said unit space.

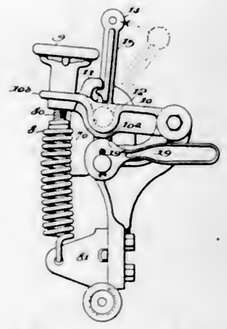
1,468,813. SHELF BRACKET. JOHN T. HUFF, Chicago, Ill. Filed June 23, 1921. Serial No. 479,827. 1 Claim. (Cl. 248—18.)

In a device of the class described, a support having an opening, the lower portions of the side edges of the opening converging downwardly, the support being provided with a forwardly offset keeper, the upper edge of which is located in approximate alignment with the uper ends of the converging lower portions of the side edges of the opening, the keeper being joined to the support along the lower edge of the keeper and along the side edges thereof; and a bracket having a depending arm provided with an opening of less width than the support and of such width as to receive the keeper closely, the arm being supplied with a straight rearwardly offset tongue of less width than the opening in the arm and adapted to be received behind the keeper, the side edges of the tongue converging downward-



ly to cooperate with the downwardly converging lower portions of the side edges of the opening in the support, thereby to prevent lateral movement of the bracket on the support.

1,468,814. CLOTHES-WRINGER MECHANISM. WILLIAM HAROLD HUENERGARDT, Lincoln, Nebr., assignor to Geo. O. W. Farnham, Lincoln, Nebr. Filed Oct. 22, 1919. Serial No. 332,533. 19 Claims. (Cl. 68—32.)



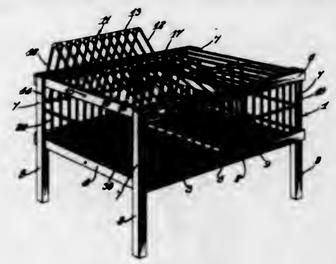
6. In a clothes wringer, a first wringer roll, a second wringer roll, means for holding said second roll in operative position above the first roll, said means including a holding member and a releasable connection between said second roll and said holding member which is adapted to instantly disengage said second roll from said holding member.

8. In a wringer, a wringer roll, a second roll, means for mounting said second roll above the first mentioned roll and means to apply pressure to said second roll, levers to raise said mounting means so that the second roll can easily be placed into operative position above the first mentined roll.

1,468,815. POULTRY COOP. CHESTER E. JACKSON, Ovid, Mich. Filed Feb. 7, 1923. Serial No. 617,549. 4 Claims. (Cl. 119—19.)

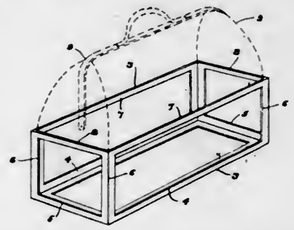
4. A coop of the class described comprising a skeleton frame having a foraminous covering arranged thereover, a

plurality of L-shaped members hingedly connected at one end to the top of said structure one of which is designed



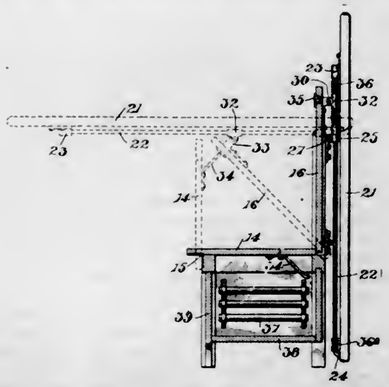
to extend into the frame, and a closure for the compartment formed by said partition.

1,468,816. REENFORCEMENT FOR HAND BAGS. JOHN B. JOHNSON, Philadelphia, Pa. Filed Nov. 12, 1921. Serial No. 514,634. 1 Claim. (Cl. 190—41.)



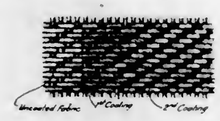
A reenforcement for hand-bags comprising a frame for frictional engagement with the exterior of a hand-bag, said frame including an angle-iron base, angle-iron uprights and strips connecting the upper ends of said uprights and all of said elements formed integrally with each other, for the purpose set forth.

1,468,817. COMBINED CHAIR AND IRONING BOARD. PEARL TRUMBO JONES, Sacramento, Calif. Filed May 23, 1922. Serial No. 563,061. 6 Claims. (Cl. 155—41.)



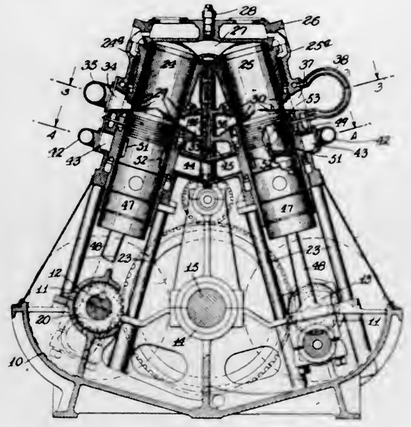
1. A combined ironing board and chair comprising a chair frame, a seat hinged to the frame at the front thereof, a back member hinged at its bottom to the frame, an ironing board, co-operating pivotal and slidable connections between the ironing board, the top of the back member and the frame whereby the ironing board may be positioned horizontally over the frame or vertically at the rear thereof, and engaging means on the seat and back member whereby they may be connected with the seat positioned vertically and the back member disposed on an incline to co-operate with the frame and support the ironing board when it is disposed horizontally over the chair frame.

1,468,818. COATED FABRIC. LITTLETON KIRKPATRICK, Wilmington, Del., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a Corporation of Delaware. Original application filed July 22, 1918, Serial No. 245,991. Divided and this application filed Oct. 26, 1920. Serial No. 419,756. 1 Claim. (Cl. 91—68.)



A coated fabric comprising a woven base, a coating entirely covering said base, and a contrasting coating occupying the cavities, but not covering the elevations, incident to the particular weave of said base.

1,468,819. INTERNAL-COMBUSTION ENGINE. CARL H. KNUDSEN, Brooklyn, N. Y., assignor to The Knudsen Motor Corporation, Wilmington, Del., a Corporation of Delaware. Filed July 1, 1922. Serial No. 572,265. 32 Claims. (Cl. 123—53.)

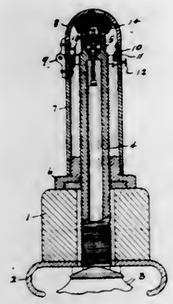


14. An engine of the class described comprising a pair of cylinders, one of said cylinders being provided with intake ports and the other with exhaust ports arranged circumferentially of said cylinders, pistons in said cylinders and adapted to control said intake and exhaust ports, said pistons being provided with closed chambers, means for passing independent charges of air under pressure into and through the chambers of the separate pistons into a common chamber between said pistons, means for passing the air from said last named chamber into the cylinders through said intake ports or passages, means on one of said cylinders for passing another charge of air into said cylinders through said intake ports or passages, said cylinders being provided with a common combustion chamber, and a solid fuel injecting valve communicating with said combustion chamber.

1,468,820. PROCESS OF MAKING SHEETS OF PYROXYLIN COMPOUND. WILLIAM G. LINDSAY, Newark, N. J., assignor to The Celluloid Company, a Corporation of New Jersey. Original application filed Feb. 16, 1920, Serial No. 359,108. Divided and this application filed Aug. 25, 1922. Serial No. 584,296. 5 Claims. (Cl. 18—51.)

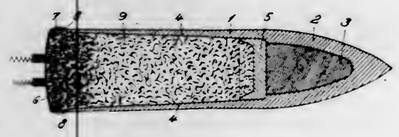
4. The process of forming flexible sheets which consist in shaving said sheets from a block of rubber-like consistency formed of 100 parts of a cellulose ester and in excess of 60 parts of an aromatic ester.

1,468,821. VALVE CAP. JOHN LONG, Victoria, Tex. Filed Jan. 30, 1922. Serial No. 532,635. 4 Claims. (Cl. 152—12.)



4. A valve tube cap formed of a cylindrical section and a cap like covering hinged to one end thereof, a ring in the upper end of said cylindrical section, a releasable dog internally secured to said cap adapted to engage over said ring, a push button for releasing said dog, a pressure spring for opening said cap, and a rubber gasket in the upper end of said cap adapted to surround the upper end of said tube when said cap is in closed position.

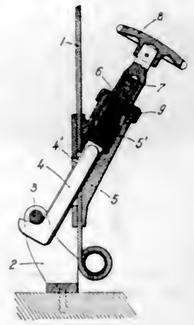
1,468,822. PROJECTILE AND MEANS TO FIRE THE SAME. ERNST LUDORF, Berlin-Treptow, Germany, assignor to the Firm Pilum A. G., Berne, Switzerland. Filed Aug. 6, 1920. Serial No. 401,745. 1 Claim. (Cl. 102—12.)



A cartridge comprising a head, a jacket integral with the head and projecting rearwardly therefrom, a core in the head, a disc in the jacket and bearings against the core, a propelling charge in the jacket and a closure in the breech of the jacket, and a ring of material which has a low melting point, securing the closure in place.

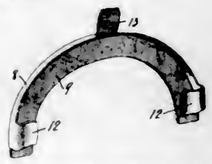
1,468,823. HOOD LATCH. LOUIS MASSUERGER and LEON MARQUE, Becon les Bruyeres, France. Filed Dec. 24, 1921. Serial No. 524,642. 4 Claims. (Cl. 292—96.)

1. A latch for automobile hoods and the like comprising a tubular casing obliquely secured to a movable part of the hood, a hook member longitudinally movable in the bore of the tubular casing and extending through the adjacent hood part, a fixed element adapted to be engaged by said hook member, and a sleeve connected with the hook member and having a threaded engagement with the



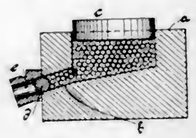
tubular casing so that the rotation of said sleeve will move the hook member longitudinally in the tubular casing.

1,468,824. GASKET PROTECTOR. MILES MCINTYRE, Healdsburg, Calif. Filed Jan. 9, 1922. Serial No. 528,065. 5 Claims. (Cl. 20—84.)



1. Means for protecting a gasket lying against a base element when inserting a second element laterally comprising a member adapted to rest on the edge of the base element and having a flange thereon for covering the edge of the gasket so as to shield the latter from the passing second element.

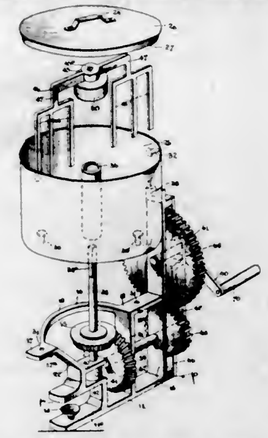
1,468,825. RELIEF DEVICE FOR ROLLING MILLS. NORBERT METZ, Dudelingen, Luxemburg. Filed Aug. 14, 1919. Serial No. 317,613. 12 Claims. (Cl. 80—57.) (Granted under the provisions of the act of Mar. 3, 1921, 41 Stat. L., 1313.)



1. Apparatus for suddenly loosening the pressure in rolling-mills, consisting of a suitable container open at the top and filled with solid bodies capable of running out of the said container, a cover closing the said container and adapted to sink into the same, and means for suddenly reducing the quantity of the said bodies contained in the said container.

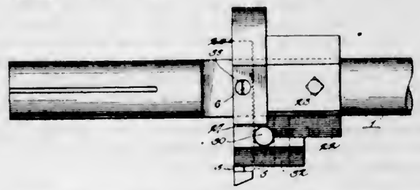
1,468,826. EGG BEATER AND MIXER. ARTHUR W. MINNEY, Stockton, Calif. Filed Mar. 24, 1922. Serial No. 546,418. 4 Claims. (Cl. 259—108.)

1. In a machine of the character described, a frame including a base bar, a standard, a table connected with the standard, a vertical brace bar between the base bar and the table, said frame being provided with attaching means including an angular bar connected with the base bar, an angular brace bar between said angular bar and the table, a receptacle mounted upon the table, an operating shaft, said frame having a spindle bearing receiving the lower end of the operating shaft, an arm carried by the angular bar and having an opening through which the



operating shaft passes, a cover fixed to said shaft and abutting the angular bar at its lower side and the arm its upper side, a beater carried by said operating shaft and arranged within the receptacle, and means carried by said frame for rotating said shaft.

1,468,827. ADJUSTABLE TOOL HEAD. ARTHUR H. MORRIS, Newark, N. J. Original application filed Nov. 20, 1920, Serial No. 421,058. Divided and this application filed June 24, 1921. Serial No. 480,120. 2 Claims. (Cl. 77—58.)



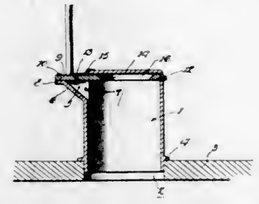
1. The combination of a boring bar, a tool adjustably mounted transversely of said bar, adjusting means for effecting movement of said tool in said bar, and a head comprising a collar and a disk, means on said collar for attaching the boring head to said boring bar, a slideway in said disk for reception of said tool, an aperture in said disk for permitting access to said adjusting means, and a plurality of slots defining a lug adapted to be sprung into locking engagement with said tool.

1,468,828. ALLOY. OTTO NAJACHT, Chicago, Ill. Filed Feb. 10, 1922. Serial No. 535,629. 1 Claim. (Cl. 75—1.)

An alloy consisting of copper, 3 pounds; aluminum, 1½ ounces; and the constituents of ordinary brass to the amount of 8 ounces.

1,468,829. SANITARY DRY CLOSET. EVAN J. OWEN, Gadsden, Ala., assignor of one-half to Lilius B. Rainey, Gadsden, Ala. Filed Apr. 29, 1922. Serial No. 557,390. 1 Claim. (Cl. 4—20.)

In a dry closet, a hopper of substantially cylindrical shape open at both ends and provided at its top end with a rearward extension comprising side walls and an inclined bottom forming a recess opening into said hopper, the top being provided with an outwardly projecting horizontal flange at its upper portion, the top face of said flange being in alinement with the top edge of the hopper, a member including a frame and a lid hinged thereto adapted to close said top end of the hopper and the upper side of said recess and having a vent communi-



cating with said recess, said member and said flange having corresponding apertures, bolts engaging in said apertures securing the member to said flange, said frame having a plain bottom face resting upon said top edge and said top face of the flange, and an annular collar at the lower end of the hopper adapted to rest upon a foundation for supporting the hopper and permitting easy removal thereof.

1,468,830. SIGNAL FOR AUTOMOTIVE VEHICLES. ARAM SAMUEL OUZOONIAN, New York, N. Y., assignor to Lito-Fone Company, Inc., New York, N. Y., a Corporation of New York. Filed May 17, 1922. Serial No. 561,607. 5 Claims. (Cl. 177—339.)



1. In a device for governing the turn signal of a vehicle, a self-opening switch for controlling the signal mounted below the steering wheel in position to be manually operated prior to the turn without removing the hands from the steering wheel, and a cam mounted on the steering wheel and turning therewith to automatically close the said switch and hold the same closed while the vehicle is making a turn.

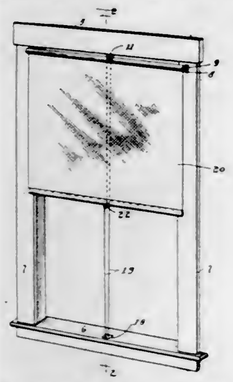
1,468,831. COMPOSITION FOR TREATING PAPER. SAMUEL H. PARRISH, Chicago, Ill., assignor, by direct and mesne assignments, to S. H. Parrish Company, Chicago, Ill., a Corporation of Illinois. Filed Feb. 6, 1922. Serial No. 534,602. 5 Claims. (Cl. 134—21.)

5. A process of making a composition of matter for the purpose set forth, consisting in mixing substantially one part of soya bean oil with substantially three parts of tetrachlorid of carbon, mixing substantially eight parts of fir balsam with substantially four parts of turpentine and then adding together the two solutions so formed.

1,468,832. MEANS FOR OPERATING WINDOW SHADES. WINSLOW R. PARSONS, San Diego, Calif. Filed Oct. 9, 1920. Serial No. 415,783. 5 Claims. (Cl. 156—28.)

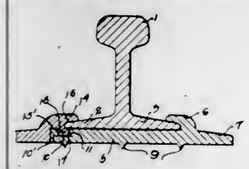
3. A device for the purpose described comprising in combination a window shade, a suspending roller there-

for and immovable bearings for said roller, a spring continuously operating to wind the shade on said roller,



and pulleys for supporting said cord from the top and bottom bars of a window frame on a vertical line parallel with the longitudinal center of the shade.

1,468,833. ANTICREEPING TIE PLATE. BILL H. POULOS, Haugan, Mont. Filed Dec. 15, 1922. Serial No. 607,229. 1 Claim. (Cl. 238—291.)



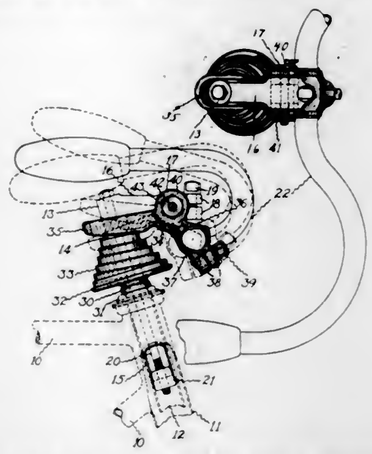
The combination with a tie plate having a rail retaining flange extending throughout its length, a perforated spike flange and tie-engaging means on its bottom, of a locking section having a rail retaining flange extending over said plate and having its bottom flush with the bottom of the plate and perforated for spikes, said locking section having a wedge shaped bead with a beveled face, and said tie plate having a top groove formed with and undercut wall parallel with the longitudinal axis of the plate and a perpendicular wall disposed at an angle to the longitudinal axis of the tie plate.

1,468,834. WRENCH. WILLIAM J. RHODES and KENNETH WILLIAMS, Worthington, Ind. Filed Oct. 25, 1922. Serial No. 596,796. 2 Claims. (Cl. 81—130.)



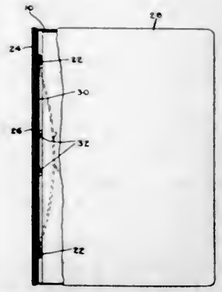
1. A wrench comprising an elongated shank terminating at one end in a relatively fixed jaw, a block slidably mounted upon one edge of the shank and having one end serving as a relatively movable jaw cooperating with said fixed jaw, an elongated actuating member slidably disposed against the opposite edge of the shank, the outer edges of the member and block being formed with recesses, elongated loop-like elements engaged within said recesses and embracing the block, shank and member, and stop means on the block engageable by one loop element for limiting swinging movement of both in one direction.

1,468,835. CUSHIONING DEVICE FOR THE HANDLE BARS OF MOTOR CYCLES, BICYCLES, AND LIKE VEHICLES EMPLOYING HANDLE BARS. MEYER ROSEN, Bloomington, Ill., assignor to The Cushion Handle Bar Co., Bloomington, Ill. Filed Apr. 6, 1922. Serial No. 549,975. 4 Claims. (Cl. 208—125.)



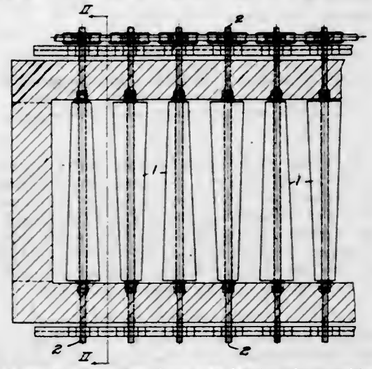
1. In a device of the class described, in combination, a standard head member comprising a stem adapted to be permanently related to a steering post and a handle bar of cushioning means for the latter comprising a rocker member provided with a rearwardly extending slotted portion adapted to embrace the stem of the head member and a forwardly extending portion fashioned with a circular seat and co-acting jaw members to facilitate the support of the handle bars, means for actuating the jaw members for fixing the handle bar in said seat, said rocker member being provided with laterally extending relatively spaced and perforated attachment members, perforated bushing members associated with the handle bar opening in the head member, a bolt and nut member for pivotally relating the attachment members of the rocker member to the bushing members of the head, a supporting member related to the stem portion of the head member and a resilient member interposed between said support and the rearwardly extending member of the rocker member.

1,468,836. MONEY SAFE. HAROLD S. ROYSE, Minneapolis, Minn. Filed Oct. 26, 1922. Serial No. 596,977. 4 Claims. (Cl. 232—4.)



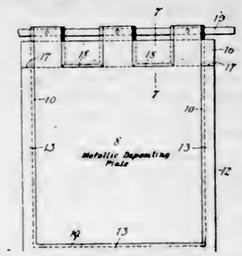
1. A money safe comprising a boxlike member, booklike covers for said member, lugs carried by the back of said covers adapted to pass through openings in the back of said member, and a flexible strip adapted to detachably engage said lugs.

1,468,837. SHEET OR ANNEALING FURNACE. HANS L. B. SCHRECK, Wheeling, W. Va. Filed Jan. 27, 1922. Serial No. 532,319. 6 Claims. (Cl. 214—18.)



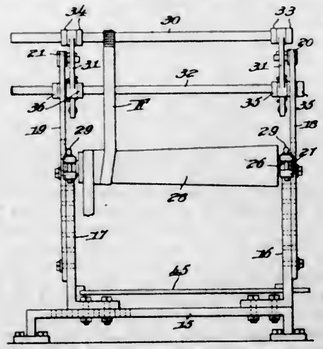
1. A feed roller for furnaces having in combination a shaft having hollow end portions, and bent pipe sections having their ends connected to the hollow portions of the shaft.

1,468,838. CATHODE FOR THE ELECTROLYTIC REFINING OF METALS. CHARLES H. SCHUH, Brooklyn, N. Y. Filed Sept. 22, 1922. Serial No. 589,945. 19 Claims. (Cl. 204—6.)



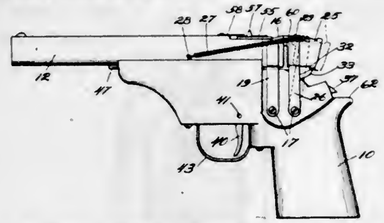
1. A cathode comprising a plate having a chamfered edge, said plate adapted to fit a non-conducting frame therefor, said plate comprising a "film-forming metal."

1,468,839. FILLET-WINDING DEVICE. THOMAS P. SHEEHAN, Norwich, Conn. Filed Nov. 7, 1921. Serial No. 513,285. 6 Claims. (Cl. 242—55.)



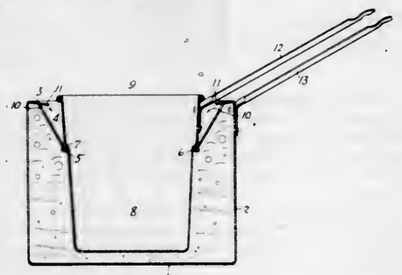
6. In a fillet winder of the class described, a portable frame adapted to be adjusted as to height and width; a stationary conical friction beam supported on said frame; a spring controlled whip roll supported on said frame; bearings on said frame adapted to receive a cylinder to be wound; a drive means supported by said frame adapted to actuate said cylinder when so placed; and a tension equalizer intermediate said beam and said drive means.

1,468,840. PISTOL. BERT L. SHAVER, Kansas City, Mo. Filed May 31, 1921. Serial No. 473,704. 9 Claims. (Cl. 42—26.)



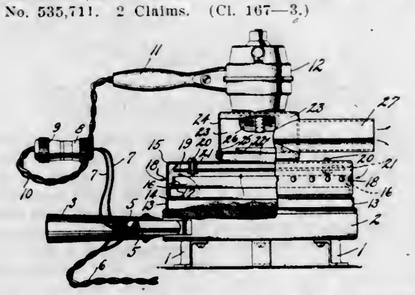
1. A pistol construction comprising a breech-loading barrel, a percussion hammer pivotally mounted in operative relation to the breech end of said barrel, and an impact hammer operatively mounted at the rear of said first said hammer and independent of the latter.

1,468,841. DOUBLE BOILER. JAMES ROSS SMITH, Palo Alto, Calif. Filed Feb. 23, 1922. Serial No. 538,674. 4 Claims. (Cl. 53—1.)



1. A double boiler comprising an outer container having a downwardly and inwardly sloping flange on its upper edge, the lower edge of the flange adapted to support an inner container, said flange having a plurality of apertures in its surface to permit the escape of fluid from the outer container to the upper surface of the flange, and means disposed above each aperture to deflect the fluid downwardly to prevent splashing.

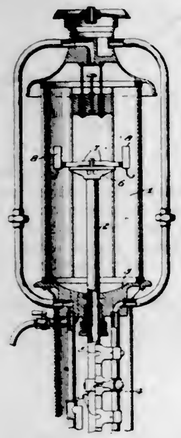
1,468,842. FUMIGATING APPARATUS. FRANK A. THOMPSON, Detroit, Mich. Filed Feb. 11, 1922. Serial No. 535,711. 2 Claims. (Cl. 167—3.)



1. In a fumigating apparatus, a heating element and means for heating the same, a band secured thereon forming a receptacle, a cover for the band spaced apart

from the top of the band, air ports in the cover for admission of air to the receptacle, an air port for the passage of air from the receptacle through the cover, a cap on the cover, and means within the cap for drawing the air from the receptacle.

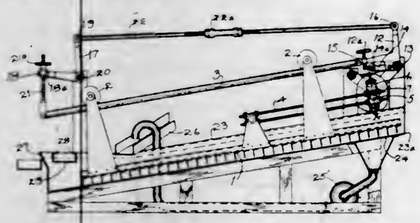
1,468,843. INDICATING ATTACHMENT FOR LIQUID DISPENSERS. WILLIAM S. TOWNSEND, Rochester, Pa., assignor to Guarantee Liquid Measure Company, Rochester, Pa. Filed Dec. 15, 1922. Serial No. 607,213. 5 Claims. (Cl. 221—100.)



1. The combination in a liquid dispenser provided with a measuring chamber or container and an adjustable supply and overflow tube, of an indicating mechanism connected to the tube and actuated by the lowering of the tube into the measured body of liquid to warn the purchaser.

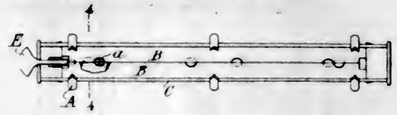
2. The combination in a liquid dispenser provided with an adjustable measuring and overflow tube, of a vertical movable float indicator connected to the upper open end of the tube and adapted to rise and expose a warning to the purchaser should the tube be lowered after the liquid reaches the level of its upper open end.

1,468,844. CLASSIFIER. ROLLAND S. TROTT, Denver, Colo. Filed Feb. 7, 1922. Serial No. 534,770. 28 Claims. (Cl. 83—81.)



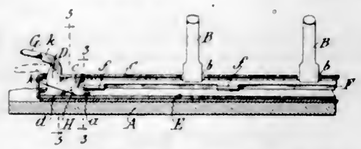
1. In a classifier, a sloping vat, bellcranks mounted upon said vat, a track supported by said bellcranks, rakes supported by said track, a shaft mounted on said vat and provided with a crank pin with adjustable throw, means connecting said crank pin and said rakes to reciprocate said rakes, a lever pivoted upon one arm of one of said bellcranks and provided with a roller, adjustment means between said lever and the bellcrank upon which it is mounted, and means forming a track for said roller and operated by said shaft to actuate the said bellcranks and raise and lower said rakes at predetermined points in their travel.

1,468,845. LOOSE-LEAF BINDER. CLARENCE D. TRUSSELL, Poughkeepsie, N. Y., assignor to Trussell Manufacturing Company, Poughkeepsie, N. Y., a Corporation of New York. Filed Sept. 13, 1921. Serial No. 500,364. 15 Claims. (Cl. 129—24.)



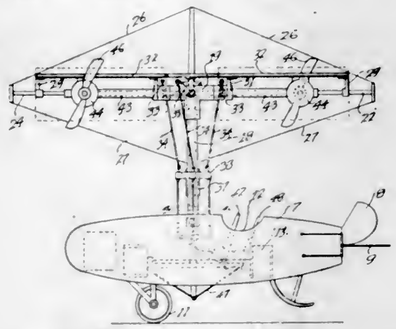
1. In a ring binder, hook-carrying plates having rocking edge contact, pressed resiliently edge to edge, the plates formed at their meeting edges with pairs of tongues and indentations, the indentations formed within the thickness of the plates on their under sides, and the tongues projecting from the under sides of the plates and entering the mating indentations, and alternated to hold the mating edges in alignment.

1,468,846. LOOSE-LEAF BINDER. CLARENCE D. TRUSSELL, Poughkeepsie, N. Y., assignor to Trussell Manufacturing Company, Poughkeepsie, N. Y., a Corporation of New York. Filed Feb. 24, 1920. Serial No. 360,712. 15 Claims. (Cl. 129—24.)



6. A loose-leaf binder comprising hook plates, a back plate and a cover plate with an opener of plate metal in a longitudinal plane transverse to the hook plates, having portions lying between and engaged by said back plate and cover plate.

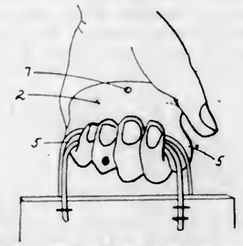
1,468,847. HELICOPTER. WILLIS VETTEL, Hornbrook, Calif. Filed June 7, 1922. Serial No. 566,467. 1 Claim. (Cl. 244—19.)



In a device of the character described, the combination with a fuselage, of a shaft pivoted to said fuselage, means for moving the lower extremity of said shaft in a plane parallel to the length of said fuselage, a tubular shaft mounted on said shaft, a series of shafts radially secured to said tubular shaft, wing surfaces mounted on said radial shafts and capable of partial rotation with respect thereto, means for simultaneously rotating said wing surfaces, said means comprising a vertically moving collar, a ring surrounding said collar, links secured to said wings and said collar, links secured to said ring and extending downwardly therefrom, a second ring, a link secured to said second ring, means

for moving said second mentioned ring, and a propeller mounted adjacent the edges of two of said wings and adapted to rotate said wings about said tubular shaft.

1,468,848. MARKET-BAG HOLDER. FRANK F. WEAR, Los Angeles, Calif. Filed Dec. 6, 1922. Serial No. 605,180. 3 Claims. (Cl. 229—52.)



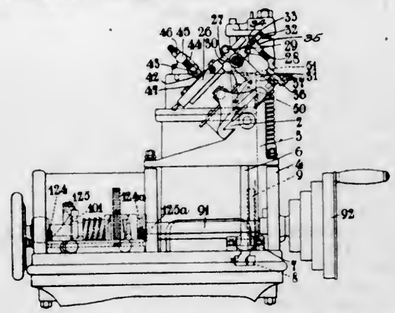
3. In a holder for market bags, a soft pad for the palm of the hand; a hard pad shaped in conformity with the fingers at their base; parallel transverse grooves for said hard pad; and downwardly projecting guards for the outer edges of said hard pad.

1,468,849. SEED-SAVING MEANS. WILLIAM TOLIVER WEST, Denmark, Tenn. Filed Nov. 19, 1921. Serial No. 516,368. 2 Claims. (Cl. 130—19.)



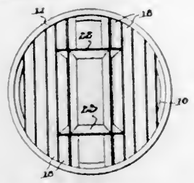
1. A seed saving device comprising a table, a screen disposed over and spaced from said table and projecting beyond the forward end of said table, and a receptacle at the forward end of the table, one wall of said receptacle having its upper edge approximately coincident with the forward end of the table and having its opposite wall extending upwardly above the plane of the face of the table and to the forward end of the screen, the forward portion of said screen extending over said receptacle.

1,468,850. TYPE-CASTING MACHINE. VICTOR STANLEY WILLIAMS, London, England, assignor of one-half to Williams Engineering Company Limited, London, England. Filed May 26, 1921. Serial No. 472,887. 16 Claims. (Cl. 199—88.)



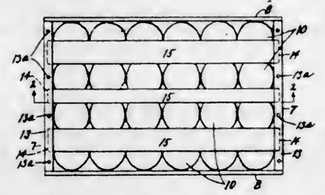
1. A type casting machine comprising a metal pot, a nozzle, a pump associated with the nozzle adapted to deliver metal from the metal pot through the nozzle, upper and lower mould blocks constituting a mould adapted to receive the metal, so delivered, a sliding carrier engaging the mould, means adapted to impart reciprocatory motion to the sliding carrier in a direction parallel with the longitudinal axis of the nozzle to bring the mould into position against the nozzle and to remove it therefrom, a prolongation on the upper mould block, a toggle connected to the prolongation and to a fixed point on the mould carrier, and means connecting the knuckle of the toggle to a fixed point on the machine adapted to secure the separation of the upper and lower mould blocks on the motion of the mould carrier away from the nozzle and the bringing together of the mould blocks by motion toward the nozzle.

1,468,851. FAN ATTACHMENT. ROBERT REX WINTER, Leland, Miss. Filed Apr. 18, 1922. Serial No. 554,523. 2 Claims. (Cl. 230—1.)



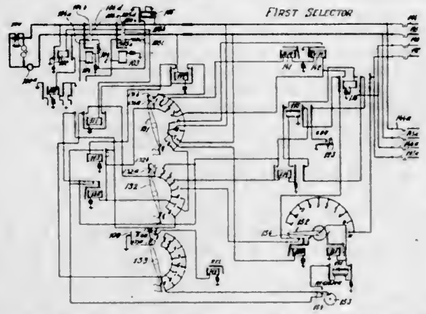
2. A device of the class described, comprising an annular member provided with an annular groove for cooperation with a guard member of a fan, securing devices for the annular member, and a plurality of vanes extending across the annular member, said vanes being arranged in two series and the outer vanes being at a greater angle with reference to the normal path of the air currents than the remaining vanes, and air deflecting members extending transversely of some of said vanes.

1,468,852. BOX COVER. HENRY C. F. ZIMMER, St. Paul, Minn. Filed Oct. 27, 1922. Serial No. 597,278. 1 Claim. (Cl. 217—56.)



The combination with a box having near its top a series of horizontally aligned, oppositely arranged, individual pockets in two opposite walls, of a cover consisting of a series of separate and spaced parallel boards, each of said boards being resilient enough to be arched upward while its opposite ends are inserted first one and then the other into two of said opposite pockets.

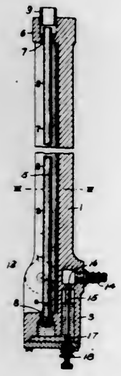
1,468,853. TELEPHONE-EXCHANGE SYSTEM. ARTHUR H. ADAMS, Galion, Ohio. Filed May 13, 1920. Serial No. 381,128. 104 Claims. (Cl. 179—18.)



1. In an automatic telephone switching system, selecting and selectable contacts, the latter being variously identified with routings to different line groups, and

means by which such selectable contacts may be used for extending calls to particular groups regardless of the group identification of the contacts.

1,468,854. PRESSURE GAUGE. HERMAN BACHARACH, Pittsburgh, Pa., assignor to Bacharach Industrial Instrument Company, a Corporation of Pennsylvania. Filed Jan. 5, 1921. Serial No. 435,110. 3 Claims. (Cl. 73—31.)



1. In combination in a gauge, a receptacle for an indicating liquid, a gauge glass connected thereto, a displacement member in the chamber, a stem for said member extending through the bottom wall of the receptacle and provided with operating means exterior of the receptacle, and means for preventing a leakage of liquid along the stem.

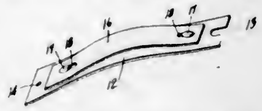
1,468,855. SHANK STIFFENER FOR SHOE SOLES. ALFRED T. BALCH, Brockton, Mass., assignor to H. F. Crawford Manufacturing Company, Brockton, Mass., a Corporation of Massachusetts. Filed Jan. 2, 1923. Serial No. 610,149. 2 Claims. (Cl. 36—76.)



1. A shank stiffener comprising a resilient outer member, curved to conform to the normal curvature of the shank portion of an outsole, and provided in its forward end with a slot, adapted to have a sliding engagement with a securing member fixed to an insole; and a resilient inner member having a more abrupt curvature than the outer member, and bearing at its end portions on the outer member, said inner member being spaced, between its end portions, from the outer member, and connections between the end portions of said members permitting independent flexure of each member, so that the outer member is adapted to conform independently to flexures of the shank portion of the outsole, and the inner member constitutes an independently flexible yielding support for the shank portion of an insole.

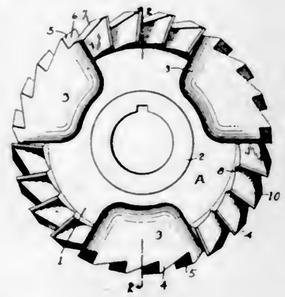
2. A shank stiffener comprising a resilient outer member, curved to conform to the normal curvature of the shank portion of an outsole, and provided in its forward end with a slot, adapted to have a sliding engagement with a securing member fixed to an insole; and a resilient inner member having a more abrupt curvature than the outer member, and bearing at its end portions on the outer member, said inner member being spaced, between its end portions, from the outer member, and headed rivets fixed to one of the members and passing through the end portions of the other member, one of said members being slotted to permit independent flexure of each member, so that the outer member is adapted to conform independently to flexures of the shank portion of the outsole, and the inner member constitutes an independently flexible yielding support for the shank portion of an insole.

1,468,856. SHANK STIFFENER FOR SHOE SOLES. ALFRED T. BALCH, Brockton, Mass., assignor to H. F. Crawford Manufacturing Company, Brockton, Mass., a Corporation of Massachusetts. Filed June 23, 1923. Serial No. 647,301. 1 Claim. (Cl. 36—76.)



A resilient shank stiffener adapted to be interposed between an outer and an inner sole and comprising an outer and an inner metal member, and rivets inseparably connecting the same, said members being curved so that the under side of the stiffener has a centrally raised portion which conforms to the curvature of the shank portion of a last bottom, one of said members being slotted to permit a limited sliding movement thereof on the other member, and a downward yielding of the centrally raised portion, one of said members being of steel, tempered to impart suitable resilience to the stiffener, and the other of relatively soft steel, maintained at the desired curvature by the tempered member and the said rivets.

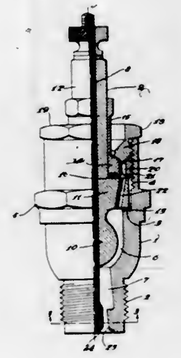
1,468,857. MILLING CUTTER. BENJAMIN T. BROWAND, Cleveland, Ohio. Filed Mar. 11, 1922. Serial No. 542,852. 11 Claims. (Cl. 29—103.)



1. A milling cutter, comprising a disk having recesses formed in the sides thereof extending to the periphery, the recesses being alternately arranged on opposite sides of said disk, and a series of cutting teeth formed upon said periphery, opposite each recess and open thereto and all of the teeth positioned at one side of each of said recesses being of less width than the disk.

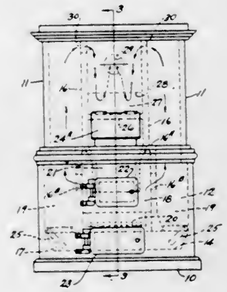
1,468,858. SPARK PLUG. EDWARD T. CURRAN, Detroit, Mich. Filed Oct. 8, 1921. Serial No. 506,269. 3 Claims. (Cl. 123—169.)

1. A spark plug embodying a shell, one end of which is exteriorly threaded to screw into the tapped hole of a cylinder, the other end of which shell is interiorly threaded, a shoulder formed interiorly of said shell and intermediate the ends thereof, an insulating member provided intermediate its ends with an enlarged portion adapted to seat on the interior shoulder of the shell, a valve seat member screwed into the interiorly threaded portion of the shell, and bearing against the enlarged portion of the insulating member to force it to a seat on the shoulder of the shell; passages leading through the valve seat member, and through the enlarged portion of the insulating member, through which liquid may pass into the associated cylinder, and a valve member threaded to engage with the interior threads of the shell, and formed to



simultaneously seal or unseal all of the passages when said valve is rotated into or out of engagement with the valve seat member.

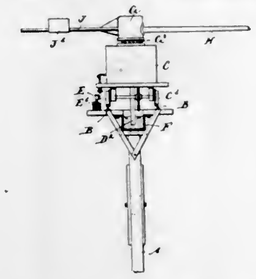
1,468,859. STOVE. IGNATZ DANIEL, Chicago, Ill. Filed Apr. 28, 1922. Serial No. 557,239. 1 Claim. (Cl. 126—73.)



A stove comprising a fire chamber, a pair of parallel exhaust gas chambers, an exhaust gas mixing chamber above said fire chamber and between said parallel gas chambers, and a wall in said mixing chamber for deflecting the flow of the united exhaust gases into an opposite direction preliminary to their discharge from the stove.

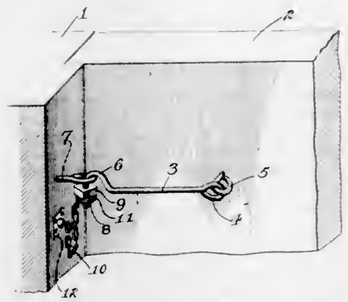
1,468,860. SPRINKLING APPARATUS. TIMOTHY J. FOLEY, New York, N. Y. Filed Aug. 16, 1920. Serial No. 403,806. 1 Claim. (Cl. 299—52.)

In an aparatus of the character set forth, a trestle, rails thereon, a continuous open tank carried by said trestle between said rails, an electrically driven car movable on said rails, a pump on said car, a rotatable turret on said car, a sprinkling pipe extending from said turret, a suction pipe from said pump to said tank, a delivery pipe from said pump to said turret, means carried by said car for operating said pump, and means carried by



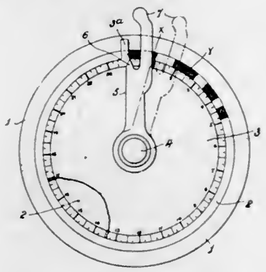
the car for moving said car, the water being discharged from said turret by gravity assisted by compressed air in said turret.

1,468,861. HASP HOOK. HARRIETTE E. HODGSON, New York, N. Y. Filed July 24, 1920. Serial No. 398,699. 2 Claims. (Cl. 292—105.)



1. A hasp-hook comprising a shank provided with an eye at one end and with a hook provided with a threaded portion at the other and a nut adapted to be screwed on and off the threaded portion of the hook.

1,468,862. TIME COMPUTER. HENRY HOLLINGDRAKE, Stockport, England. Filed Feb. 9, 1921. Serial No. 443,696. 1 Claim. (Cl. 235—83.)



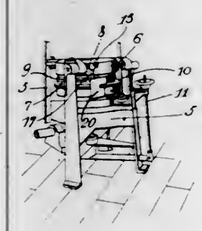
An angle-measuring apparatus, comprising a supporting member, a graduated disk adapted to be rotated on said supporting member and having a radially extending index finger, and an arm mounted for rotation relative to said disk and carrying a pointer having its free end within the periphery of the disk and an operating portion offset from said pointer and extending beyond the periphery of the disk.

1,468,863. PORTABLE SHOWER BATH. GEORGE F. HUTTON, Stockton, Calif. Filed Aug. 15, 1922. Serial No. 581,989. 6 Claims. (Cl. 4—26.)



1. A portable shower bath structure comprising a base, a standard thereon, a post slidably mounted in the standard, and having a spray nozzle at its upper end, hand operated lever means pivoted with respect to the standard, and members shaped to conform to the underside of the rim of a bath tub depending from one end of the lever means.

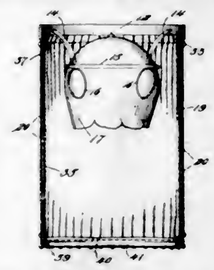
1,468,864. PAINT-MAKING MACHINERY. JAMES W. KENT, Brooklyn, N. Y. Filed Nov. 19, 1921. Serial No. 516,322. 4 Claims. (Cl. 83—22.)



1. The combination with a color mill having a fixed stone and a vertically movable stone for grinding the colors, a scraper for said stones, means for supporting said scraper in relatively fixed lateral relationship to the said stones, said means permitting automatic vertical movement of the said scraper simultaneously with a vertical movement by said movable stone.

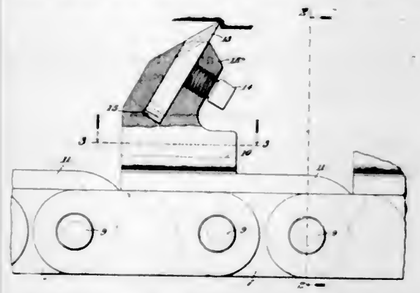
1,468,865. LAMP SHADE. SAHATIEL G. MANDALIAN, North Attleboro, Mass. Filed Dec. 16, 1921. Serial No. 522,743. 1 Claim. (Cl. 240—108.)

A lamp shade comprising an annular plate having perforations in its lower margin, inwardly and downwardly inclined arms fast to said plate above the perforations, an annular brace connecting said arms, resilient loops on said arms below said brace and inclined downwardly and inwardly to embrace an electric bulb,



and a depending flexible metallic shield suspended from said plate and movably supported from the perforated lower margin of the same.

1,468,866. CUTTING CHAIN. EDMUND C. MORGAN, New York, N. Y.; Olive Eugenie Morgan executrix of said Edmund C. Morgan, deceased. Filed Dec. 12, 1918. Serial No. 266,427. 18 Claims. (Cl. 262—33.)

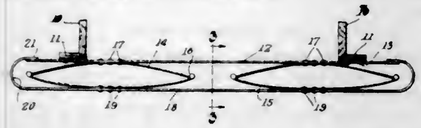


1. In a chain cutter for mining machines, the combination with a cutter link, of a bit socket, a bit in said socket, means for adjustably holding said bit in said socket, and securing mechanism independent of the bit holding means between said cutter link and said bit socket to permit the latter to be attached to said chain or detached therefrom by a single sliding movement of said bit socket in a direction substantially parallel with the path of travel of the chain.

1,468,867. BLANC FIXE. JAMES B. PIERCE, Jr., Charleston, W. Va. Filed May 18, 1922. Serial No. 561,867. 9 Claims. (Cl. 23—13.)

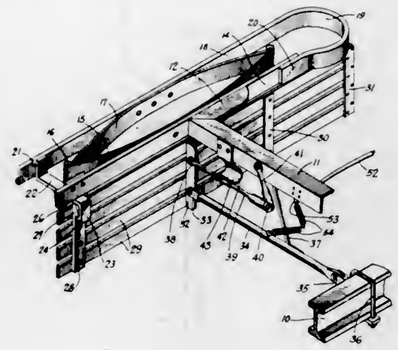
3. A barium sulphate characterized by having amorphous, highly porous particles the average maximum dimension of which is less than three micro-millimeters.

1,468,868. SPRING BUMPER FOR VEHICLES. GEORGE REICHSTETTER, Jr., Newark, and OTTO E. REICHARDT, Irvington, N. J. Filed May 24, 1923. Serial No. 641,033. 4 Claims. (Cl. 293—55.)



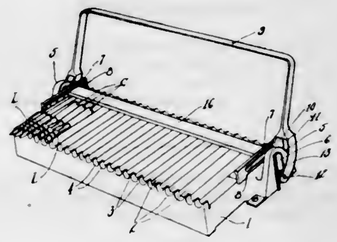
4. A bumper comprising a pair of bars respectively inner and outer, contractible means disposed between said bars, and means on the ends of one of said bars to limit the distance between said bars.

1,468,869. VEHICLE BUMPER AND FENDER. GEORGE REICHSTETTER, Jr., Newark, and OTTO E. REICHARDT, Irvington, N. J. Filed May 24, 1923. Serial No. 641,034. 8 Claims. (Cl. 293—37.)



2. The combination with a vehicle bumper having a spring supported outer bar and a fixed inner bar, of a fender, a single central support for said fender, a guide for said support, and means on said fender engaging said support when in normal position and to become released therefrom upon recession of said outer bar.

1,468,870. BELT-LOADING MACHINE. HUGH M. ROCKWELL, Bristol, Conn., assignor, by mesne assignments, to The Marlin Firearms Corporation, New Haven, Conn., a Corporation of Delaware. Filed Oct. 14, 1918, Serial No. 257,947. Renewed Nov. 21, 1921. Serial No. 516,900. 10 Claims. (Cl. 86—48.)

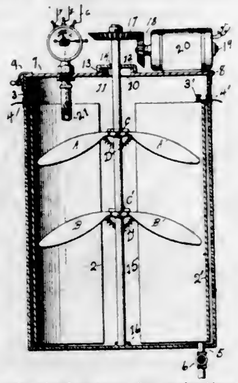


5. In a loading machine, a plate, a pusher bar reciprocatively mounted on said plate, an operating lever for said pusher bar carried by said plate, and an adjustable eccentric bushing mounted in said operating lever, said pusher bar having a portion received in said bushing.

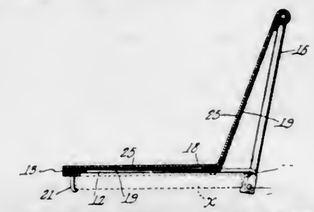
6. In a loading machine, a bed, brackets having vertical slots therein at either end of said bed, a reciprocating pusher bar, an operating lever pivotally connected to said pusher bar, and means carried by said operating lever adapted to reciprocate in said slots.

1,468,871. METHOD AND APPARATUS FOR PASTEURIZING MILK. THOMAS H. ANGLIM, Dunkirk, N. Y. Filed Dec. 1, 1921. Serial No. 519,112. 14 Claims. (Cl. 204—24.)

1. An apparatus for pasteurizing milk and the like, comprising a container for holding the milk, a pair of electrodes spaced apart therein, means for increasing the temperature of the milk by transmitting an electric current through the milk interposed between the electrodes and mechanical means for agitating the milk during the passage of said current therethrough.

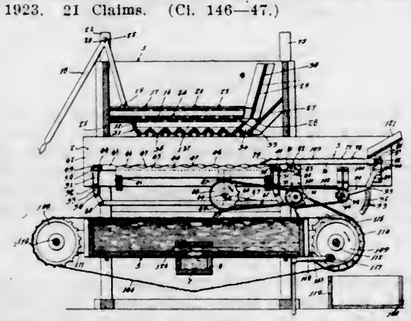


1,468,872. FOLDING CHAIR. BERNHARD M. BESKOW, Miami Beach, Fla. Filed Nov. 18, 1921. Serial No. 516,095. 4 Claims. (Cl. 155—133.)



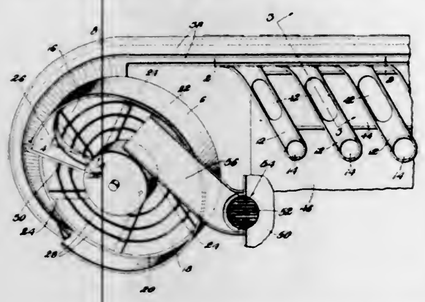
1. A folding legless chair composed of a seat portion and a back pivoted thereto, said seat portion being provided with means for removably attaching the chair to a board on which it is to be supported, a cross bar at the rear part of said seat portion, tapes extending from the front part of said seat portion and beneath said cross bar to the top of said back and serving primarily as braces for the back, and a flexible cover attached to said seat and back and partially supported by said tapes.

1,468,873. APPARATUS FOR PEELING FRUITS AND VEGETABLES. WILLIAM D. BOST, Los Angeles, HARRY M. MILLER, South Pasadena, and GEORGE W. GARWOOD, El Monte, Calif., assignors, by direct and mesne assignments, to National Peeling Machine Company, Los Angeles, Calif., a Corporation of California. Filed Aug. 20, 1919, Serial No. 318,639. Renewed July 9, 1923. 21 Claims. (Cl. 146—47.)



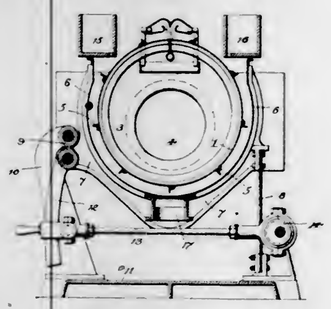
19. In a peeling machine, the combination of a water-distributing tank having ports in its bottom, and means to move the fruit beneath the tank.

1,468,874. DEVICE FOR OPERATING UPON COINS. WILLIAM J. BRENNAN, Swampscott, Mass., assignor to Coin Sorting and Counting Company, Boston, Mass., a Corporation of Massachusetts. Filed June 18, 1920. Serial No. 390,002. 2 Claims. (Cl. 133—3.)



1. A machine for operating upon coins having, in combination, a coin separating device comprising an inclined rotary distributing plate, a stationary wall adjacent the uppermost face of said plate constructed and arranged to retain a mass of coins in fixed location relatively to the rotating face of the plate, a plurality of feed strips on the plate adapted to pass under the wall as the plate rotates and to engage certain of the coins to separate them from the mass, a plurality of grooves in the uppermost face of the plate concentric with the periphery thereof, and a plurality of pins projecting downwardly from the lower edge of said stationary wall into said grooves to prevent any of the coins of the mass from escaping downwardly beneath said stationary wall.

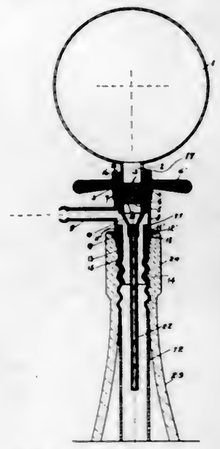
1,468,875. ROTARY SCREEN FOR PAPER-MAKING MACHINES. RALPH S. CLARKE, Walpole, Mass., assignor to Bird Machine Company, a Corporation of Massachusetts. Filed June 10, 1922. Serial No. 567,366. 4 Claims. (Cl. 92—36.)



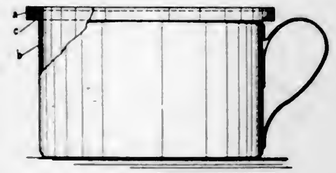
1. In an apparatus of the character specified, the combination of a vat; means to vibrate the same; a screen mounted for rotation in the vat; and means interposed between the wall of the vat and the exterior surface of the screen for arresting flow of the pulp along the screen surface when the pulp is thrown inwardly toward the screen under vibratory movement of the vat.

1,468,876. MINIATURE COOLING APPARATUS. ANTON FRHR. VON CODELLI, Moste, near Laibach, Yugoslavia. Filed Jan. 24, 1922. Serial No. 531,427. 6 Claims. (Cl. 62—92.)

4. A cooling device comprising a reservoir containing a liquefied gas, a closure for the said reservoir, an evaporating chamber independent of the said reservoir, a manually operated member adapted to connect the said reservoir and the said evaporating chamber and to open the said closure, and means for fastening said member to said reservoir.

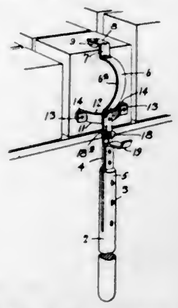


1,468,877. SHEET-METAL RECEPTACLE. CARL COLSMAN, Werdohl, Germany. Filed Nov. 5, 1921. Serial No. 513,175. 1 Claim. (Cl. 220—74.)



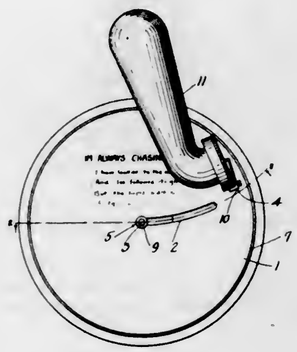
A sheet metal receptacle having its margin bent into a bead of rectangular section, the outmost portion of the margin being angularly bent into the hollow of the bead and from the lower inner part towards the upper and outer corner thereof.

1,468,878. DEVICE FOR HANDLING PACKAGES. JOHN A. DONALD, Wilkinsburg, Pa. Filed Nov. 8, 1921. Serial No. 513,648. 5 Claims. (Cl. 294—22.)



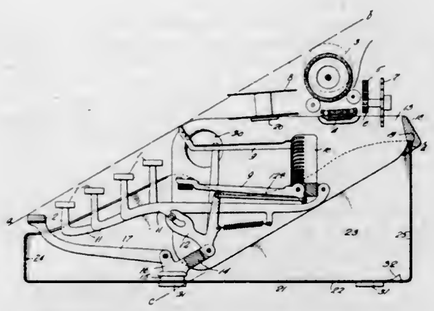
1. The combination with a suitable handle, of a package handling device carried thereby, comprising a metal member having an inwardly projecting tongue at its upper end, a prong carried by said tongue, a cross arm engaged by said metal member, prongs carried by said cross arm, and a spring connected to said metal member and said arm.

1,468,879. PROTECTOR FOR PHONOGRAPH RECORDS. VICTOR H. EMERSON, New York, N. Y. Filed Oct. 20, 1920. Serial No. 418,247. 1 Claim. (Cl. 274—1.)



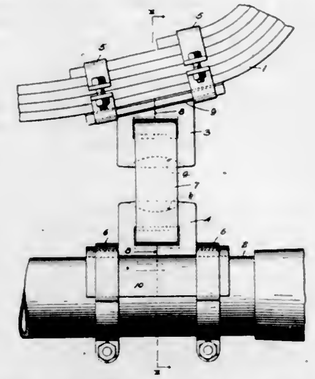
A device adapted for use with a disk record and a talking machine having a rotating record support with spindle and a reproducing apparatus, said device comprising a flat element provided with a slot through which the spindle passes and by means of which the element can slide over the record surface transversely of the spindle, said element having also a very small aperture arranged substantially in line with the major axis of the slot through which the reproducing apparatus may engage the record, and by its engagement with the walls of the aperture shift the device as permitted by the slot and hold it against rotation with the record.

1,468,880. PORTABLE TYPEWRITING MACHINE AND CASE THEREFOR. EMMIT G. LATTA, Syracuse, N. Y. Filed Jan. 27, 1922. Serial No. 532,242. 11 Claims. (Cl. 197—186.)



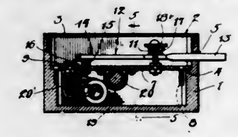
1. In a typewriting machine and case, a machine having a keyboard arranged in banks and having type-bars and a platen arranged in rear of and above the keyboard, and an enclosing case arranged to support the machine with the platen in elevated and the keyboard in depressed, operative position and permit the platen to be lowered and the keyboard raised to inoperative position therein.

1,468,881. SHOCK ABSORBER. SENECA G. LEWIS, Greensburg, and GEORGE W. DAUM, Jeannette, Pa. Filed Aug. 23, 1922. Serial No. 583,702. 2 Claims. (Cl. 267—30.)



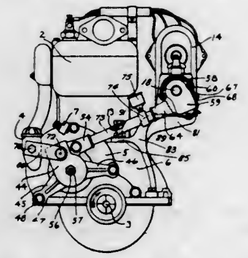
1. A shock absorber consisting of two blocks of elastic material adapted to be secured at their bases to the parts whose relative movement is to be cushioned, and an elastic tension member extending through said blocks at points remote from their bases and linking said blocks together.

1,468,882. DIMMING SWITCH FOR AUTOMOBILE LIGHTS. CHARLES W. MCKEE, Harrisburg, and WILLARD T. TAGGART, Marietta, Pa. Filed Nov. 18, 1922. Serial No. 601,886. 4 Claims. (Cl. 219—40.)



1. A dimming switch for automobile lights, comprising a casing, a plate removably secured in said casing, a resistance element mounted on the plate, and a contact mechanism carried by the plate having a plurality of connections with said resistance element and interposed in the lighting circuit of an automobile for controlling the brilliancy of the lights through interposing predetermined portions of said resistance element in said circuit.

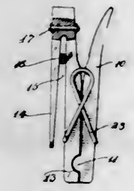
1,468,883. DRIVING ATTACHMENT FOR MAGNETOS. ADOLPH ROSNER, Springfield, Mass., assignor to American Bosch Magneto Corporation, Springfield, Mass., a Corporation of New York. Filed Dec. 23, 1921. Serial No. 524,443. 12 Claims. (Cl. 123—149.)



1. In an internal combustion engine having a magneto for supplying ignition current thereto, the combination of a driving attachment for driving said magneto from

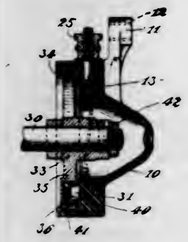
said engine and comprising a gear on a shaft of the engine, a gear on the shaft of the magneto, a drive shaft having gears thereon and meshed with the respective gears on said engine and magneto shafts, gear housings enclosing the meshed gears at said engine and magneto shafts, and a torque member connected to said housings to maintain a fixed relation between said drive shaft and said housings.

1,468,884. CLOTHESPIN. WILLIAM E. SCHNEIDER, Jersey City, N. J. Filed Dec. 27, 1920. Serial No. 433,344. 3 Claims. (Cl. 24—137.)



1. In combination with a clamp, composed of two coacting clamping members, interlocking at their lower ends, unitary constraining means of substantially rectangular shape and looped at substantially its center portion, its ends engaging said clamping members at the latters' outer sides, the looped portions of said restraining means engaging the faces of said clamping members.

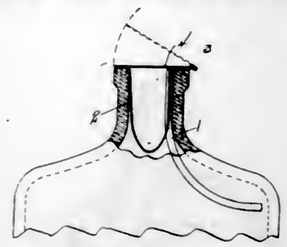
1,468,885. IGNITION TIMER FOR INTERNAL-COMBUSTION ENGINES. VANCE SHEARER, New York, N. Y., assignor to Blublaze Motor Specialties Corp., New York, N. Y., a Corporation of New York. Filed Apr. 4, 1921. Serial No. 458,459. 2 Claims. (Cl. 2 —24.)



1. In an ignition timer, the combination of a body having an interior annular raceway, spaced contacts embedded therein, a rotary shaft extending into the body, a circular metallic plate fixed to the shaft and provided with a recess adjacent its outer edge, a sleeve fitted within said recess having an outer annular flange bearing upon the face of said plate and provided with a central opening of less diameter than its body, forming an interior annular shoulder, a brush projecting through said opening provided with an annular flange on its rear end taking against said shoulder, and a spring within said sleeve bearing upon the flanged end of the brush.

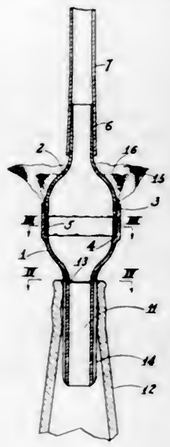
1,468,886. COMBINED AIR-PRESSURE RELEASE AND COVER FOR BOTTLES AND THE LIKE. THOMAS W. SLACK, Fort Worth, Tex. Filed Nov. 13, 1922. Serial No. 600,539. 2 Claims. (Cl. 215—79.)

1. An air-pressure releaser for bottles and the like comprising a bent tube open at both ends and projected down into the bottle and a bent spring having a loop resting on top of the bottle and having a portion of the



arms attached to the side of the tube and the free ends bearing against the opposite side of the bottle neck.

1,468,887. FILLING ATTACHMENT. HARRISON D. STERRICK, Pittsburgh, Pa. Filed Oct. 10, 1921. Serial No. 506,661. 8 Claims. (Cl. 226—124.)



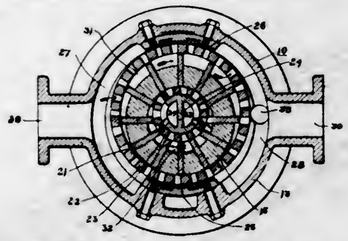
1. A filling attachment comprising a hollow body, a flexible depending nozzle which is non-circular in cross section, a transverse elastic diaphragm therein provided with an elongated slit, the sides of which are normally in contact, and which are adapted to be distended to move the same apart and permit discharge therethrough when the cross sectional shape of the nozzle is forced to assume a more truly circular form.

1,468,888. TOOTHBRUSH. ALEXANDER A. S. STUART, New Orleans, La. Filed Sept. 7, 1922. Serial No. 586,875. 3 Claims. (Cl. 15—167.)



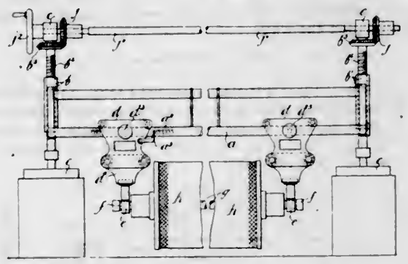
1. A tooth brush comprising a back having a substantially rectangular central opening therethrough and formed of inwardly-inclined portions extending along the opposite sides of said opening and inwardly-inclined end portions extending along the opposite ends of said opening, and a series of tufts of bristles held to each of said inclined portions and extending substantially at right angles thereto.

1,468,889. MULTISTAGE ROTARY PUMP. HENRY R. TROTTER, Swarthmore, Pa., assignor to Westinghouse Electric and Manufacturing Company, a Corporation of Pennsylvania. Filed May 10, 1921. Serial No. 468,250. 17 Claims. (Cl. 230—30.)



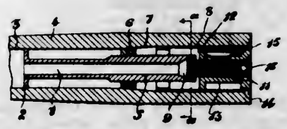
1. A rotary fluid pump comprising a casing member having inlet and outlet means, annular members supported by the casing member, a rotatable pump element located eccentrically between the annular members, and means carried by the rotatable pump element and cooperatively engaging the annular members to pump a fluid.

1,468,890. MOUNTING FOR THE DANDY ROLLS OF PAPER-MAKING AND LIKE MACHINERY. WILLIAM EDWIN KNOWLES TROTMAN, Wood Green, England. Filed June 19, 1922. Serial No. 569,216. 6 Claims. (Cl. 92—48.)



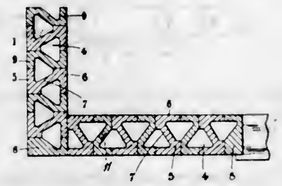
1. A mounting for the dandy rolls of paper-making and like machines, characterized by an horizontally disposed track arranged transversely across the machine and at right angles to the travelling band or machine wire, a pair of trolleys mounted on said track, and a downwardly extending swivelling bearing carried by each trolley for the reception therein of the journal ends of the dandy roll shaft.

1,468,891. MEANS OR DEVICE FOR ADAPTING SPORTING GUNS OR LIKE SMALL ARMS FOR MINIATURE AMMUNITION PRACTICE OR USE. ALBERT NAPOLEON TUCKER, Gerrads Cross, England. Filed June 27, 1921. Serial No. 480,927. 2 Claims. (Cl. 42—77.)



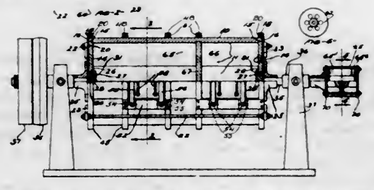
1. An adaptor device for use in sporting guns and like small arms comprising a sleeve arranged to be positioned within the barrel of the gun and having a fixed flange at its front end arranged to engage in the plain portion of the bore of the barrel, and a frusto-conical nut threaded on the rear portion of the sleeve and arranged to bear against the coned part of the barrel to position the sleeve.

1,468,892. BUILDING BRICK, BLOCK, AND THE LIKE. JOHN VER MEHR, London, England. Filed July 19, 1922. Serial No. 576,080. 5 Claims. (Cl. 72—39.)



1. A structure composed of blocks of substantially Z or S shape in plan, arranged in courses one above the other the blocks in a course being assembled or arranged alternately in Z and S formation each alternate block being of less width than the adjacent blocks and constituting a header block.

1,468,893. PULVERIZING MILL. FRANKLIN H. WOLEVER, Chicago, Ill. Filed Jan. 23, 1920. Serial No. 353,540. 17 Claims. (Cl. 83—9.)



1. A mill for pulverizing enamel stock and the like comprising a rotative barrel formed with end walls and a circumferential wall of internal polygonal cross section, with the segments meeting at angles of from 90 to 135 degrees, all made of vitreous porcelain, the circumferential wall being continuous from end to end and joined to the end wall by internal dry joints, said circumferential wall being made of solid vitreous porcelain staves and being joined along integral beveled edges by internal dry joints to produce the angle specified and means exterior to the internal faces of the joints between the beveled edges of said staves and between the end walls to hold the barrel members rigidly together.

1,468,894. EAR AND NAIL CLEANER. JOSEPH ZAJICEK, Jr., New York, N. Y. Filed Mar. 12, 1923. Serial No. 624,520. 1 Claim. (Cl. 132—73.)

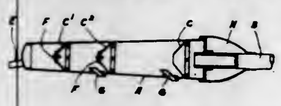


A device of the character described comprising a body tapering towards one end to provide a sharp, pointed edge and the opposite end forming shoulders and having a neck extending outwardly therefrom, said neck being provided with a roughened surface at each side thereof, and an ear cup formed on the extreme end of the neck portion as and for the purpose specified.

1,468,895. SILENCER FOR USE IN CONNECTION WITH INTERNAL-COMBUSTION ENGINES. RONALD GORDON ALLAN, Brisbane, Queensland, Australia. Filed Nov. 15, 1921. Serial No. 515,398. 4 Claims. (Cl. 137—160.)

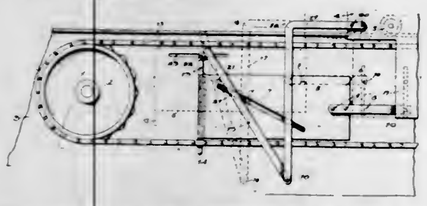
1. In an improved silencer for use in connection with internal combustion engines, a chamber having a plurality of diaphragms across it, each diaphragm having a

port, check valves seated over said ports and opening in the direction of flow of gases through the chamber,



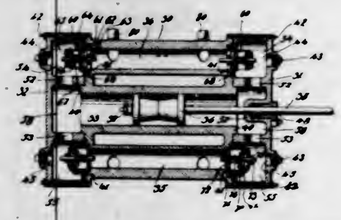
said chamber having means between the diaphragms for permitting cooling and condensation of the hot gases in the chamber.

1,468,896. REVERSING MECHANISM FOR RECIPROCATING MEMBERS. WALTER MONROE BARKER, Portland, Oreg. Filed Apr. 10, 1922. Serial No. 551,156. 1 Claim. (Cl. 74—14.)



The combination with a moving chain supported with portions substantially in parallelism and moving in opposite directions in respect to each other, of a traveler arranged between the oppositely moving portions of the chain and having oppositely extending portions for engaging the chain releasably, said traveler being formed with a slot extending diagonally in respect to the parallel portions of the chain, and a pivoted shifter arm supported to move with said traveler and having a projection working in the slot of the traveler whereby the traveler will be shifted between the oppositely moving portions of the chain when the shifter arm is moved relatively to the traveler.

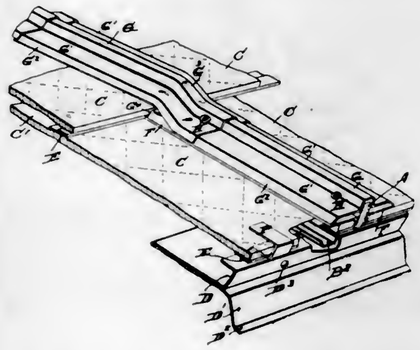
1,468,897. PUMP. JOHN P. BEAUPRÉ, Butte, Mont., assignor of one-third to George E. Smiley, La Junta, Colo., and one-third to Phillip E. Beaupré, Butte, Mont. Filed Nov. 4, 1920. Serial No. 421,738. 5 Claims. (Cl. 103—7.)



1. A pump comprising a substantially horizontal barrel, an inlet chamber at a higher level than the barrel and an outlet chamber at a lower level, valves connecting the respective chambers with the barrel, a valved inlet pipe for liquid leading into the inlet chamber, means for admitting air to this chamber when desired, and a plunger reciprocating within said barrel.

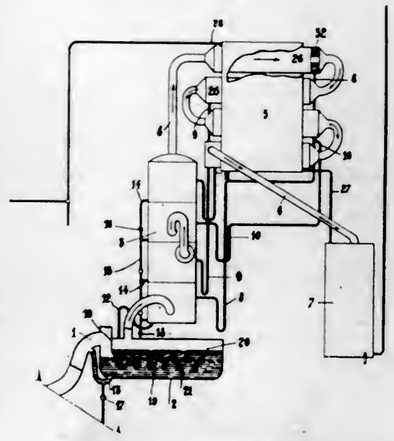
1,468,898. SKYLIGHT. JAMES D. CANDLER, Detroit, Mich. Filed Feb. 11, 1922. Serial No. 535,708. 5 Claims. (Cl. 108—16.)

1. In a skylight, the combination of an inverted T-rail, a plurality of sheet metal saddle strips mounted upon the web of the rail and having laterally extending stepped portions for supporting lights of glass with gutters beneath the stepped portion, a plurality of lights of glass supported at the sides upon the stepped portions of the saddle strips and overlapping each other at the ends, and a channel member adapted to be supported



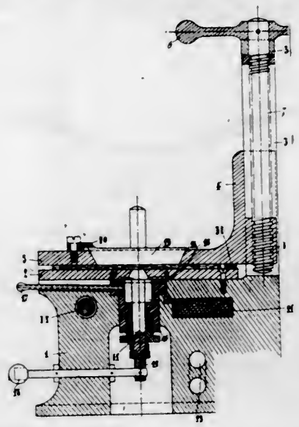
upon the wall of a building and receiving the lower ends of the gutters within its channel and having weep holes communicating with the gutters, said channel member also receiving the lower end of the T-rail within the said channel and having a downwardly extending flange overlapping the wall.

1,468,899. FRACTIONAL DISTILLING APPARATUS. EMILE ANDRÉ RAYMOND CHENARD, deceased, Bordeaux, France, by Jean Armand Chenard, executor, Bordeaux, France. Filed Mar. 24, 1921. Serial No. 455,071. 6 Claims. (Cl. 195—15.)



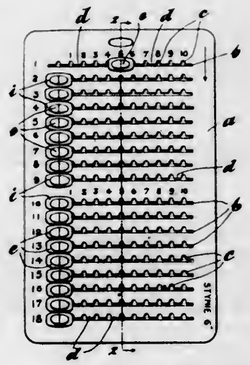
6. The combination with a plate column and a boiler; of a series of condensing units connected with the column to receive the vapors discharged therefrom; and a cooler to which the vapors are discharged from the last condensing unit of the series, comprising a tank, an upper tube therein to receive the in-coming vapors, a series of parallel worms in said tank connected at their upper ends to said tube, and a discharge tube having a portion located in the bottom of the tank and to which the lower ends of the worms are connected.

1,468,900. PROCESS AND APPARATUS FOR MEASURING THE ELASTIC PROPERTIES OF PLASTIC MATERIALS, FARINACEOUS PASTES, AND THE LIKE. MARCEL CHOPIN, Nancy, France, assignor to himself and Societe d'Entreprise Meuniere, Paris, France, a French Company. Filed Sept. 22, 1921. Serial No. 502,546. 14 Claims. (Cl. 265—14.)



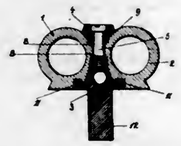
1. A method of determining the bread-making values of flours, comprising the steps of preparing a dough of the flour to be tested, in which a certain definite percentage of the dough is water, forming a layer of such dough of predetermined thickness, distending the layer to the point of rupture, and registering the tension at the moment of rupture; substantially as described.

1,468,901. INDICATING OR RECORDING DEVICE PARTICULARLY ADAPTED FOR USE BY GOLFERS. NOEL GEORGE EVESON, Birmingham, England. Filed July 14, 1922. Serial No. 575,096. 1 Claim. (Cl. 116—135.)



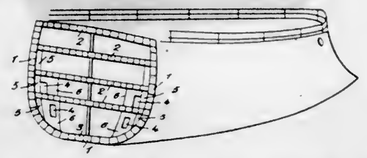
A recording device of the class described comprising a plate having a slot and a series of spaced notches opening into one side of the slot, and a stud having a neck movable in said slot, a head and a base at the ends of the neck and on opposite sides of the plate, a spring bearing between the plate and the head, and a pin projecting from the base, engageable with any of the notches, and held in engaged position, by the tension of the spring, to prevent casual movement of the stud.

1,468,902. ASSEMBLAGE DEVICE FOR SPORTING-GUN BARRELS. PIERRE FABRY, Liege, and MARGUERITE FABRY, Herstal, Belgium. Filed May 3, 1921. Serial No. 466,426. 4 Claims. (Cl. 42—76.)



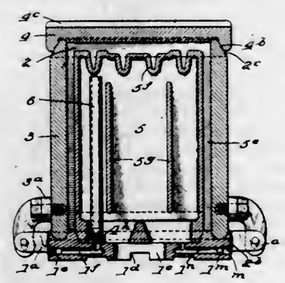
1. The combination with two sporting-gun barrels, of a barrel lug, a lock bar, said barrels, barrel lug and lock bar being provided with interlocking portions for clamping the rear portions of said barrels between said lug and bar, and means operable to draw said lug and bar towards each other, thus preventing any displacement of the barrels.

1,468,903. MARINE OR THE LIKE VESSEL. LUIGI GHINELLI, Rome, Italy. Filed July 17, 1919. Serial No. 311,678. 1 Claim. (Cl. 114—68.) (Granted under the provisions of the act of Mar. 3, 1921, 41 Stat. L., 1313.)



A vessel constructed with a double-walled hull, the inner and outer sections of which are spaced apart; a filling of separate, relatively small, cubical, air-tight boxes disposed in contacting, parallel rows in the space between said wall sections and extending from end to end of the vessel and on opposite sides from the keel to a point above the water line and entirely filling said space between said inner and outer wall sections; a pair of opposite passages located between the decks of the vessel in close contact with the side walls of the hulls and extending the entire length of the vessel, said passages opening into each other at their ends; and symmetrically-arranged, water-tight compartments built in the space enclosed by said passages and having water-tight doors.

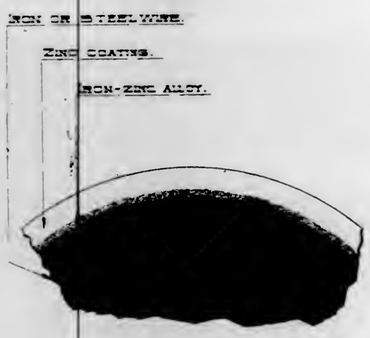
1,468,904. MOLD. RICHARD T. GRIFFITHS, Akron, Ohio, assignor to The Miller Rubber Company, Akron, Ohio, a Company of Ohio. Filed Sept. 25, 1922. Serial No. 590,471. 9 Claims. (Cl. 18—35.)



1. A mold for the purpose described, comprising a base, lugs projecting from the lower edges thereof, said base having grooves in its upper face near its edges, side wall

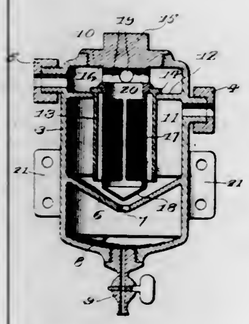
members having their lower edges adapted to seat in said grooves and having brackets pivotally connected to said lugs by a lost motion connection, and a cover member removably engaging the upper edges of said wall members.

1,468,905. METAL-COATED IRON OR STEEL ARTICLE. JOSEPH L. HERMAN, Peoria, Ill. Filed July 12, 1923. Serial No. 651,128. 10 Claims. (Cl. 148—31.)



1. An article composed of iron or steel with a coating of zinc spelter, said article having been heat-treated in such a manner as to make the coating flexible and malleable at ordinary temperatures.

1,468,906. FUEL-OIL FILTER. WILLIAM INMAN, Laporte, Ind. Filed Oct. 8, 1921. Serial No. 506,348. 1 Claim. (Cl. 210—165.)



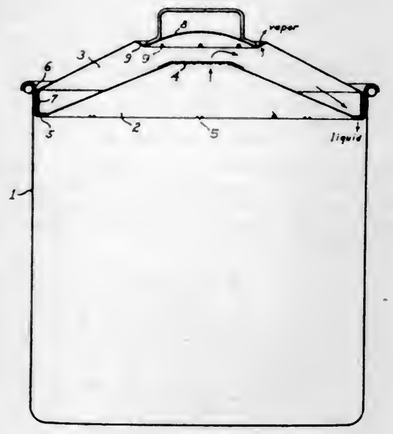
In a device of the class described, a cylindrical body, a wall near the lower part of said body and having its central part apertured and depressed, a nipple connected to and communicating through the wall of said body above said centrally apertured wall, a partition in the upper part of said body, a nipple in the wall of said body communicating with the interior of the same above said partition, the said partition having an opening arranged centrally therein, the upper part of said body having an opening therein larger than and concentric with the opening in said partition, a closure cap for said body opening, a portion extending inwardly from said cap, a sleeve fitted within said partition opening, the said portion fitting within said sleeve and spaced from the latter, a screen carried by said portion and confined concentrically within said sleeve, a head on the lower end of said screen, and the said portion having openings establishing communication between the interior of said screen and the compartment within which said portion is disposed.

1,468,907. SHOCK-ABSORBING SPRING. JOHN Y. KING, Lansdowne, Pa. Filed Apr. 27, 1921. Serial No. 464,874. 9 Claims. (Cl. 267—48.)



1. A semi-elliptic leaf spring comprising a plurality of leaves, the uppermost of said leaves being unattached and spaced from the adjacent leaf a portion of its length, said leaf being provided with an integral enlargement bearing directly against said adjacent leaf.

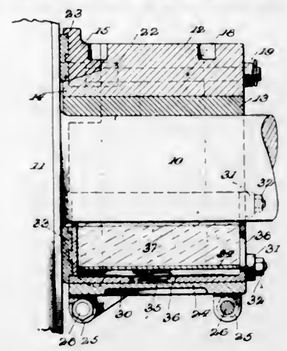
1,468,908. SAFETY COVER FOR COOKING VESSELS. BRUNO A. KRAFFT, San Francisco, Calif. Filed Oct. 4, 1922. Serial No. 592,229. 9 Claims. (Cl. 53—8.)



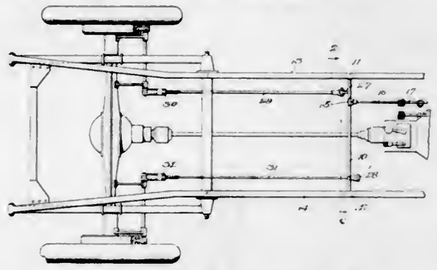
1. A covering for a cooking vessel comprising inner and outer covers freely separable from each other, said covers having upright cylindrical portions in slidable contact with each other to enable them to be frictionally telescoped together by relative rectilinear sliding movement and forming between them a wide shallow space through which the material passes, said inner cover having a large permanently open aperture near the center thereof to allow boiling material to escape freely at all times, and with peripheral openings to allow the boiled over material and condensed vapor to return into the vessel.

1,468,909. LUBRICATOR FOR LOCOMOTIVE DRIVING JOURNALS. ARTHUR T. KUEHNER, Elkridge, Md. Filed Jan. 14, 1920. Serial No. 351,342. 12 Claims. (Cl. 64—24.)

3. The combination with a journal box including a box body, a face plate seating against the outer side thereof, and means detachably connecting the face plate with the box body whereby the face plate may be removed to permit inward removal of the box body, of a lubricant cellar mounted between the legs of the box body and bodily removable therewith.

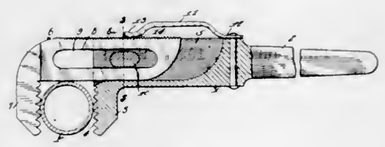


1,468,910. BRAKE-EQUALIZING DEVICE. EDEN G. LEFEVER, Boyertown, Pa. Filed Jan. 9, 1922. Serial No. 528,050. 4 Claims. (Cl. 188—204.)



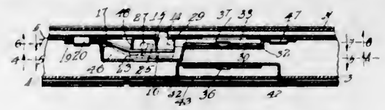
3. In a motor vehicle, in combination, a pair of coaxial wheels each having a brake, a pivoted member disposed with its axis parallel to the wheel axis, a second member freely pivoted on the first member eccentric thereto, means connecting the brakes to said second member on opposite sides of its axis, and means to turn the first member to thereby control the brakes.

1,468,913. WRENCH. DAVID PORTER MILLER, Middletown, Pa. Filed Aug. 21, 1922. Serial No. 583,240. 1 Claim. (Cl. 81—145.)



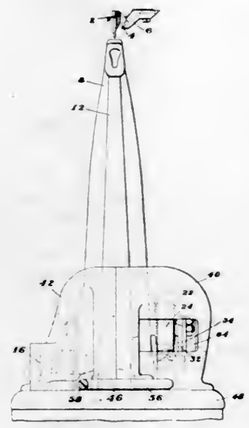
In a pipe wrench a main body having a laterally extending fixed jaw and a longitudinally extending pocket opening through one end, a movable jaw mounted to slide in said pocket and having a longitudinally extending opening with teeth on one wall thereof, a cross bar extending through said opening and adapted to be engaged by said teeth when the movable jaw is in operative position, the outer face of said movable jaw being toothed and a toothed spring finger carried by said body and engaged with the teeth on the rear face of said movable jaw.

1,468,913. WRENCH. DAVID PORTER MILLER, Middletown, Ill., assignor to Cruver Manufacturing Company, Chicago, Ill., a Corporation of Illinois. Filed May 12, 1922. Serial No. 560,355. 5 Claims. (Cl. 232—4.)



1. In a coin bank, a casing comprising two parts adapted to be interlocked by relative rotation, means for locking the two parts against rotation to prevent their separation, comprising two projections arranged one radially within the other, on one member and normally extending beyond the joining plane of the two members, the other member having openings for receiving said projections when the two are in interlocking position, in combination with a rigid key having a projecting part for withdrawing each projection, a guard arranged between the two projections and a slot in the key for passing said guard as the key is rotated to withdraw the projections.

1,468,912. SHOE-SEWING MACHINE. WILLIAM C. MEYER, Beverly, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J., a Corporation of New Jersey. Filed Aug. 8, 1919. Serial No. 316,241. 4 Claims. (Cl. 112—40.)



1. A shoe sewing machine having, in combination, stitch forming devices including a straight hook needle, a rotatable work supporting horn, a tension device mounted at the base of the horn, a casing enclosing the tension device having an opening therein, and a tension release lever mounted within the casing and extending through the opening in the casing to the exterior thereof.

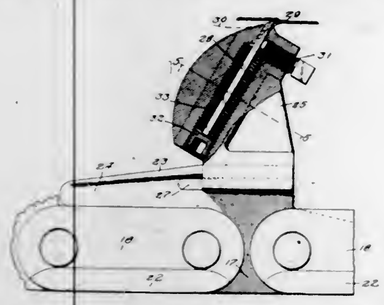
1,468,913. WRENCH. DAVID PORTER MILLER, Middletown, Pa. Filed Aug. 21, 1922. Serial No. 583,240. 1 Claim. (Cl. 81—145.)

In a pipe wrench a main body having a laterally extending fixed jaw and a longitudinally extending pocket opening through one end, a movable jaw mounted to slide in said pocket and having a longitudinally extending opening with teeth on one wall thereof, a cross bar extending through said opening and adapted to be engaged by said teeth when the movable jaw is in operative position, the outer face of said movable jaw being toothed and a toothed spring finger carried by said body and engaged with the teeth on the rear face of said movable jaw.

1,468,914. CHAIN CUTTER FOR MINING MACHINES. EDMUND C. MORGAN, New York, N. Y.; Olive Eugene Morgan executrix of said Edmund C. Morgan, deceased. Filed Mar. 25, 1920. Serial No. 368,802. 18 Claims. (Cl. 262—33.)

1. A chain cutter for coal mining machines comprising a bit holder with a bit socket therein and inclined forwardly from the path of travel of the chain to the cutting path of travel, a steel bit of comparatively small

thickness adapted to fit in said socket, and means comprising an adjustable abutment for adjustably holding



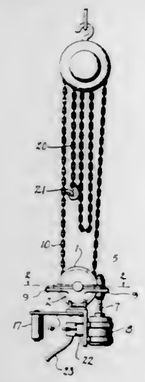
said bit in said socket to permit sharpening thereof a large number of times without varying the cutting path of travel relative to the path of travel of the chain.

1,468,915. FUSE CLIP AND RETAINER. IAN I. WALBERG NEDRA, Irwin, Pa., assignor to Penn Electrical and Manufacturing Company, Irwin, Pa., a Corporation of Pennsylvania. Filed Nov. 25, 1921. Serial No. 517,729. 3 Claims. (Cl. 200—134.)



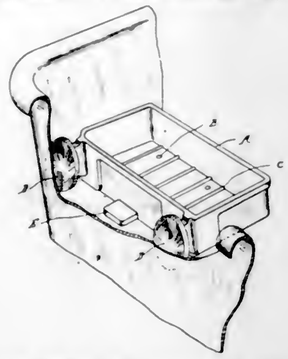
1. A spring clip formed from a single strip of metal and comprising a base, upstanding gripping ears and a bridging spring connecting said gripping ears.

1,468,916. POWER MEMBER. HENRY B. NEWHALL, Plainfield, and ETHAN N. HESCOCK, Westfield, N. J.; said Hescock assignor of his right to New Jersey Foundry and Machine Company, a Corporation of New Jersey. Filed June 21, 1922. Serial No. 569,944. 2 Claims. (Cl. 254—168.)



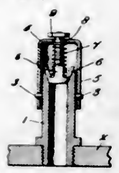
1. In a hoisting mechanism the combination of a main hoisting mechanism operated by a flexible drive member, and an auxiliary power member provided with an overhung power sheave adapted to be dropped into and held in the bight of the flexible member to operate it.

1,468,917. SOAP DISH. WALLACE N. OSBURN, Novi Township, Oakland County, Mich. Filed Jan. 3, 1922. Serial No. 526,561. 1 Claim. (Cl. 45—28.)



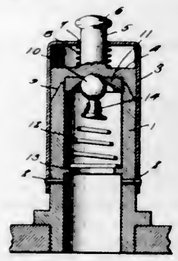
In a device of the class described, an open top soap dish formed from resilient material, a pair of parallel vertical webs extending outwardly from one side of said dish adjacent to the ends thereof, said webs extending substantially from the bottom to the top of said dish and terminating outwardly in a pair of suction cups adapted to engage a fixture to support said dish, and a flat horizontally disposed lug extending outwardly from said dish between said webs and adapted to terminally engage said fixture to assist said cups to support said dish.

1,468,918. GREASE CUP. JOHN OWENS, Washington, D. C. Filed Apr. 30, 1921. Serial No. 465,636. 2 Claims. (Cl. 184—88.)



1. A grease cup having means at one end to attach it to a part to be lubricated and a seat at the other end of the cup, a sleeve to fit the cup, means to hold the sleeve to the cup, a part to fit the seat, and means separable from said sleeve but co-active therewith, to hold the part to the seat, said part extending entirely through said separable means, and said part having means thereon to prevent disengagement from said separable means.

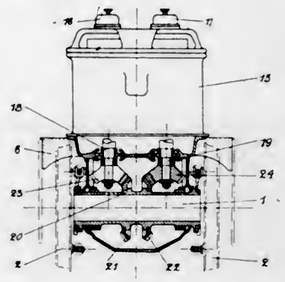
1,468,919. GREASE CUP. JOHN OWENS, Washington, D. C. Filed Sept. 16, 1921. Serial No. 501,160. 5 Claims. (Cl. 184—88.)



4. A grease cup, a detachable cover therefor having an opening in its end, a part extending through said open-

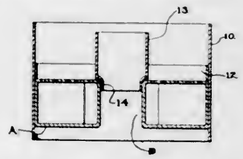
ing, means between the cover top and said part for holding said part in close contact with the cup, and a detachable valve seat and valve in the cup.

1,468,920. ELECTRIC LOCOMOTIVE. HENRI PIEPER, Liege, Belgium, assignor to Constructions Electriques de Belgique, Societe Anonyme, Brussels, Belgium. Filed June 23, 1921. Serial No. 479,942. 6 Claims. (Cl. 105—118.)



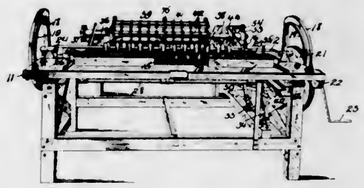
2. In an electric locomotive comprising a plurality of axles, a plurality of driving shafts for each axle, said driving shafts being actuated by vertically arranged electric motors, each of said driving shafts carrying an armature, the motors of each plurality of driving shafts being arranged to simultaneously rotate in opposite directions to thereby rotate the axles.

1,468,921. GAS-BURNER ATTACHMENT. HENRY A. REITZ, Johnstown, Pa. Filed May 31, 1922. Serial No. 564,776. 3 Claims. (Cl. 126—215.)



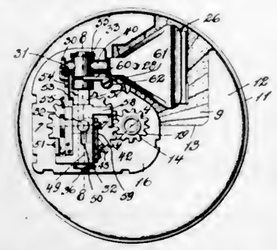
1. In combination with a gas burner, a drum slidably engaged exteriorly upon the burner and open at its top and bottom, a retaining element within the drum engaging the top of the burner, and a central flue member open at both ends and detachably engaged within the opening at the center of the burner.

1,468,922. MACHINE FOR FILLING ROTARY BROOMS. LOUIS J. REMMELE, Newark, N. J., assignor to Amelia M. Maier, Newark, N. J. Filed Jan. 5, 1922. Serial No. 527,220. 18 Claims. (Cl. 300—9.)



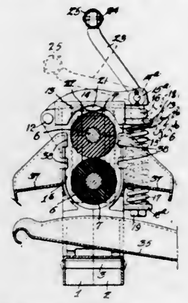
15. A machine for filling rotary brushes comprising a means for holding and folding brush material, a means for supporting a brush frame, and mechanism for forcing said frame over the folded end of the brush material.

1,468,923. RAZOR-STROPPING DEVICE. MARCUS H. RHODES, St. Louis, Mo. Filed Sept. 27, 1920. Serial No. 413,060. 5 Claims. (Cl. 51—124.)



1. A razor stropper comprising a rotary stropping member, a tubular standard secured thereto, means for rotating said standard, a rock shaft, a blade holder rotatably mounted in a transverse hole provided therefor in said rock shaft, a spring adapted to hold said rock shaft in position so that a blade in said blade holder is out of contact with the stropping member, means including a cam for rocking said shaft to force said blade against said stropping member at intervals, and means for rotating said blade holder when it is out of contact with said stropping member.

1,468,924. CLOTHES WRINGER. FREDERICK GEORGE SCHRANZ, Philadelphia, Pa., assignor to Southwark Foundry & Machine Company, Philadelphia, Pa., a Corporation of Pennsylvania. Filed Feb. 19, 1921. Serial No. 446,226. 6 Claims. (Cl. 68—32.)

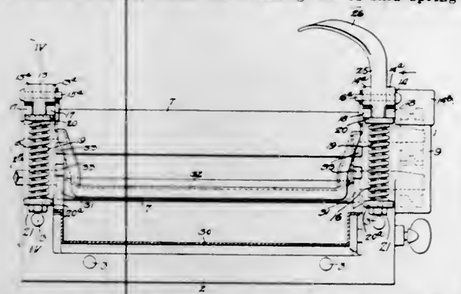


1. In a clothes wringer, the combination of a frame having hollow upright end portions, removable bearing blocks fitting within said hollow end portions, squeeze-rolls having spindles in engagement with said bearing blocks, cap members hinged to said end portions and overlying the same, bolts hinged to said cap members, and tension means for releasably holding the latter in operative engagement with the end portions when the cap members are in position; said cap members operatively engaging the bearing blocks for the upper squeeze-roll and serving to transmit thereto the pressure exerted by said tension means.

1,468,925. CLOTHES WRINGER. FREDERICK GEORGE SCHRANZ and WILLIAM H. HARMAN, Philadelphia, Pa., assignors to Southwark Foundry & Machine Company, Philadelphia, Pa., a Corporation of Pennsylvania. Filed Feb. 19, 1921. Serial No. 446,225. 7 Claims. (Cl. 68—32.)

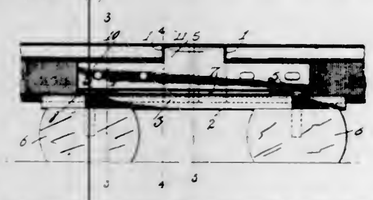
1. In a clothes wringer, the combination with a frame having upright end portions, squeeze rolls operatively mounted in said frame, cap members hinged to said end portions, spring bolts pivotally mounted in said cap members and engageable with the frame for holding said cap members in place and applying tension to said squeeze rolls and means carried by said cap members for trans-

mitting pressure to the squeeze rolls, of means disposed at one end of the frame for releasing one of said spring



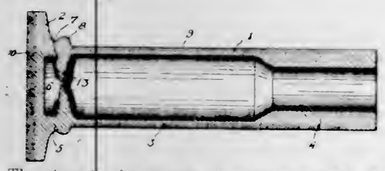
bolts and a cap member connected thereto whereby the pressure exerted to keep the squeeze rolls in operative engagement may be instantly relieved.

1,468,926. RAIL JOINT. JAMES SMITH, Anaconda, Mont. Filed Oct. 27, 1922. Serial No. 597,306. 6 Claims. (Cl. 238—210.)



6. The combination with the confronting ends of railway rails, and a flanged plate on which the rail ends rest, of a joint connection for the rails, including a pair of similarly costructed sections, each including a base having a central enlargement projecting laterally therefrom and in contacting engagement with the plate, a vertical flange arising from the base of each joint section and having an upward central extension, the outer ends of the vertical flanges overlapping the ends of the rails and being rigidly held to one rail and slidable on the other.

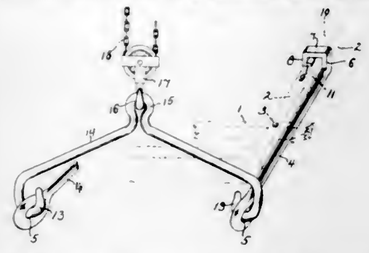
1,468,927. PROCESS OF MAKING TAPPETS. WILLIAM H. SPIRE, Cleveland, Ohio, assignor to The Steel Products Company, Cleveland, Ohio, a Corporation of Ohio. Filed Oct. 25, 1919. Serial No. 333,187. 9 Claims. (Cl. 29—156.4.)



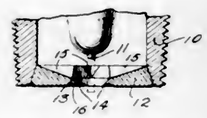
1. The steps in the process of manufacturing a tappet, which consist in providing a head portion of hard steel with a boss of low carbon steel; providing a hollow stem mainly of hard steel but having an end portion of low carbon steel; welding such low carbon boss and low carbon end of said stem and extruding the low carbon metal so as to bring the high carbon metal of both head and stem substantially into contact.

1,468,928. LIFTING DEVICE FOR AUTOMOBILE BODIES. HARRY P. STEADMAN, Calamus, Iowa. Filed Dec. 3, 1921. Serial No. 519,700. 4 Claims. (Cl. 294—82.)

1. In a lifting device for automobiles having longitudinal frame members each provided with a flange, the combination of a lifting member provided with a pair of rod engaging means; and a pair of rods engaged by said means, each provided with four hook members successively disposed at an angle to each other, and the last pointing back toward its corresponding rod and adapted to take under one of said flanges, substantially as described.



1,468,929. ATTACHMENT FOR SPARK PLUGS. GEORGE A. STRAWSER, Liverpool, Pa., assignor of one-half to Daniel W. Goodling, Richfield, Pa. Filed Sept. 14, 1922. Serial No. 588,185. 3 Claims. (Cl. 123—169.)

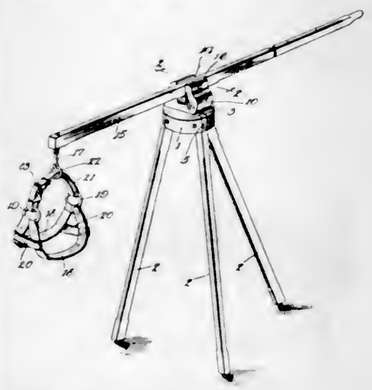


1. A sparking electrode comprising a disk having a central opening with a sparking knife edge at one end of the opening, radiating channels, and capillary means for preventing accumulation of fuel on said knife edge.

1,468,930. ELECTRICAL CEMENT. ALAN P. SULLIVAN, St. Marys, Pa., assignor to Stackpole Carbon Company, a Corporation of Pennsylvania. Filed Jan. 28, 1922. Serial No. 532,522. 4 Claims. (Cl. 106—29.)

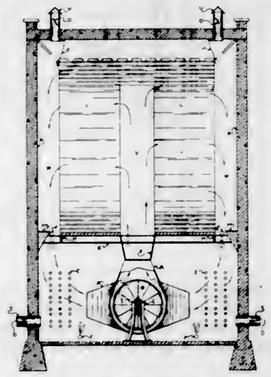
1. An electrical cement comprising more than 80% of copper powder together with magnesium chloride and magnesium oxide.

1,468,931. LIFTING DEVICE. FOUSHEE J. TEBBS, Cynthiana, Ky. Filed May 17, 1922. Serial No. 561,639. 2 Claims. (Cl. 212—60.)



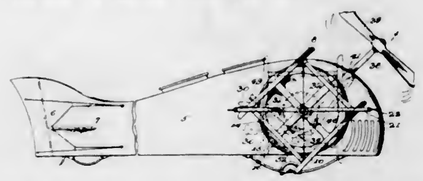
1. A lifting device comprising a stand, a circular disc secured on the upper side of the stand and provided with an annular upstanding flange and having a central opening therethrough, a turning plate supported on said annular flange, a depending flange on the said turning plate engaging within said annular flange, a hub on said turning plate engaging in said opening, a head attached to said turning plate and having spaced jaws extending upwardly from said head, a pivot pin carried by said jaws, a securing element connecting said head to said stand, a lever supported on said pivot pin between said jaws, and load-engaging means attached to one end of said lever.

1,468,932. REVERSING BLOWER KILN. ROLF THELEN and HARRY D. TIEMANN, Madison, Wis., dedicated, by mesne assignments, to the People of the United States of America. Filed Mar. 20, 1923. Serial No. 626,419. 5 Claims. (Cl. 34—19.) (Filed under the act of Mar. 3, 1883, 22 Stat. L., 625.)



1. In a dry kiln, a series of fans placed near the base of the kiln, a shaft on which the fans are mounted for rotation, means for rotating said shaft in either direction to cause reversal of the circulation of the air and vapor in said kiln, fan housings with intake and discharge ducts, and a distributing duct.

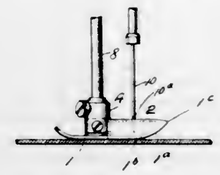
1,468,933. AEROPLANE. STEPHEN O. TRESCOTT, Battle Mountain, Nev. Filed Mar. 12, 1923. Serial No. 624,608. 4 Claims. (Cl. 244—15.)



1. An aeroplane comprising a body, a shaft extending through the body, planes mounted on the shaft at opposite ends of the body, a rod arranged at each end of the shaft and having a rotatable connection therewith, connecting wires joining each rod with the body, a lever connected to the shaft and forming a means whereby the planes may be inclined transversely, a ratchet wheel mounted on said shaft, and a dog carried by said lever and adapted to engage said ratchet wheel.

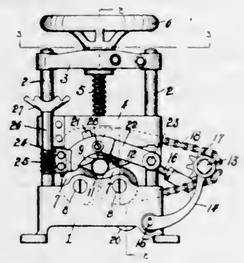
1,468,934. COMBINED PRESSER FOOT AND NEEDLE GUARD. HERMAN TYD, Valley Stream, N. Y. Filed Sept. 21, 1920. Serial No. 411,726. Renewed Feb. 23, 1923. 3 Claims. (Cl. 112—261.)

1. A combined presser-foot and guard for the point of a needle embodying a presser-foot base-plate having a needle-hole; means for connecting the presser-foot base-plate to the operating-mechanism therefor and an enclosing housing erected on said base-plate above and surrounding said needle hole comprising spaced side walls



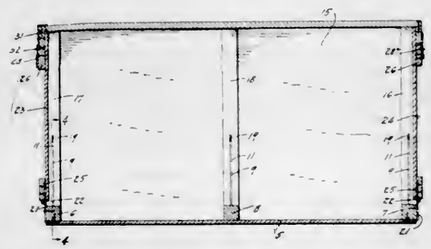
and a horizontally-disposed finger-protecting roof between such side walls provided with a needle-hole having its axis substantially coinciding with the axis of the needle.

1,468,935. PIPE-CUTTING MACHINE. WILLIAM W. VOSPER, Toledo, Ohio, assignor to The Toledo Pipe Threading Machine Company, Toledo, Ohio, a Corporation of Ohio. Filed Dec. 31, 1921. Serial No. 526,131. 7 Claims. (Cl. 82—1.)



1. In a machine of the class described, a stationary set of rolls, a second set of rolls for cooperating with the first set to grip a work piece therebetween and to rotate it when the rolls are driven, the second set of rolls being movable toward and away from the first set, means for driving all of the rolls in unison, means connecting the driving means and second set of rolls to automatically adjust the driving means to suit the relation of the two sets of rolls when relatively adjusted, and adjustable cutting means for engaging and cutting a work piece when rotated by the rolls.

1,468,936. FOLDING EGG CRATE. CHARLES ANSPACH, Brownlee, Nebr. Filed June 12, 1922. Serial No. 567,668. 2 Claims. (Cl. 217—15.)



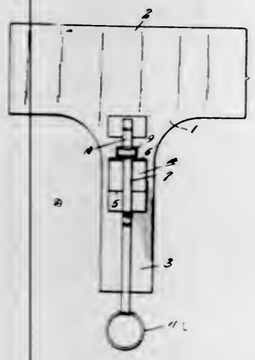
1. A folding crate comprising a bottom including transversely extending end beam members, supporting members projecting upwardly from the ends of each of

the beams, each of said supporting members having a longitudinally extending slot, a portion of each of the end portions of said slots being enlarged to provide a bayonet slot, side members having beams extending transversely of the end portions of said side members, each of said beams being slotted for the reception of the supporting members, and pins extending through the slotted ends of the beams, of the side members, said pins being arranged to engage the bayonet portions of the slots of the supporting arm, to prevent movement of said side members longitudinally of the slot, end members hinged to the beams of the bottom and arranged for movement between the side members, and means for connecting the end members to the side members.

1,468,937. ALLOY STEEL AND ARTICLES MADE THEREFROM. PERCY A. E. ARMSTRONG, Loudonville, N. Y., assignor to Ludlum Steel Company, Watervliet, N. Y., a Corporation of New York. Continuation of applications filed Apr. 10, 1919, Serial Nos. 289,152 and 289,153. This application filed Nov. 11, 1922. Serial No. 600,434. 9 Claims. (Cl. 75—1.)

1. An alloy steel consisting substantially of carbon about .30 to .60%, manganese about .20 to .60%, silicon about .20 to .60%, chromium about .75% to 1.75%, tungsten about 1.0% to 2.5%, and vanadium about .10 to .85%, and the principal part of the remainder iron.

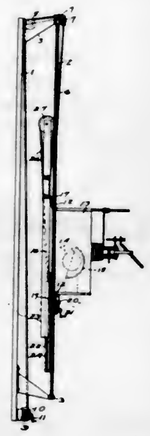
1,468,938. SWIMMER'S EMERGENCY AID. ANTHONY C. CARAMORE, Jamaica, N. Y. Filed Apr. 25, 1923. Serial No. 634,448. 1 Claim. (Cl. 9—19.)



In a device of the class described, a container having an expanded upper end to house gas, a receptacle for a gas producing chemical responsive to the action of water, said receptacle having perforations, a ripping band for exposing the interior of the receptacle to the action of water and excluding the water therefrom until the band is ruptured, and means attached to the ripping band operable for rupturing the same to permit access of water to the contents of the container.

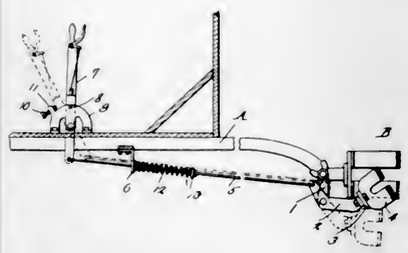
1,468,939. COPYING APPARATUS. DANIEL EUGSTER, Union Hill, N. J. Filed Oct. 7, 1922. Serial No. 592,961. 2 Claims. (Cl. 88—24.)

1. In a copying apparatus, a container, lamps located in the container for lighting the interior of the container, the light being confined by the container, a frame movable transversely relative to the container, a board movable vertically in the frame and for receiving the light from the lamps, an adjustable light projector located in front of the lighted area to receive the light from the board when the board is placed in the lighted



area of the lamps, a table located below the light condenser, and a reflector for reflecting the light from the projector on the table, whereby the image of an object placed on the board is produced on the table.

1,468,940. AUTOMOBILE FENDER. THEODORE FLEISHMAN, Baltimore, Md. Filed June 28, 1923. Serial No. 648,190. 2 Claims. (Cl. 293—34.)

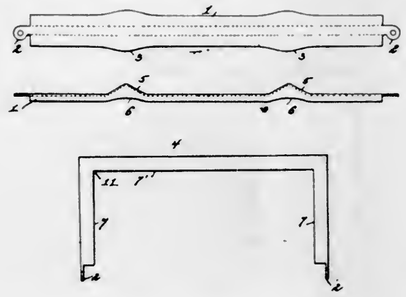


1. The combination with a vehicle having a bumper, of hangers, levers connected thereto, a resilient fender carried by the levers, a hand lever, a connection between the hand lever and one of the fender levers, and a spring for shifting the fender to active position beneath the bumper when the hand lever is released.

1,468,941. PROCESS FOR MANUFACTURING BAG FRAMES. FRANZ A. FULLER, Newark, N. J., assignor to The J. E. Mergott Co., Newark, N. J., a Corporation of Delaware. Filed June 18, 1921. Serial No. 478,624. 4 Claims. (Cl. 113—51.)

1. The process of forming channeled sheet metal frames consisting in forming a flat sheet metal blank, provided with enlarged portions intermediate its ends, bending said blank transversely to form a channeled member U-shaped in cross-section, forming said channeled

member with notches in the edges of the side walls thereof and with cusps projecting from the top wall



thereof at said enlarged portions, and bending the channeled member at the notches in the side walls thereof to form the hinge members of the frame.

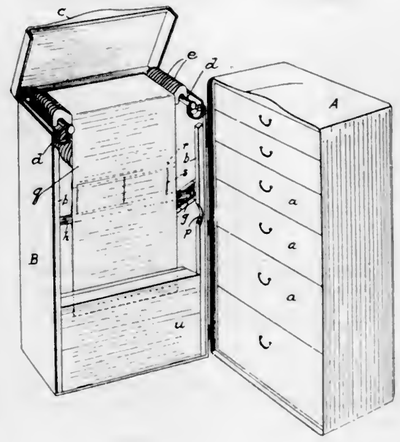
1,468,942. DENTAL FLOSS HOLDER. FREDERICK O. GAMBLE, Memphis, Tenn. Filed Mar. 17, 1921. Serial No. 452,990. 7 Claims. (Cl. 132—92.)



1. In a dental floss holder the combination of a hollow handle adapted to contain a quantity of floss wound in cylindrical form, and a separable head for the handle carrying a pair of divergent channelled prongs adapted to support the floss in tension between their outer ends, said head having a bore through which the floss is led out from the hollow handle, the head and handle having threaded engagement with each other with a step shoulder on one of said parts opposing a transverse surface of the other and with peripheral notches in the head between which the floss is threaded to extend across said opposing surfaces to be clamped between them when the parts are to be screwed together, and a peripheral flange on one of said parts extending past the planes of said opposed surfaces in their clamping position for retaining the floss between them.

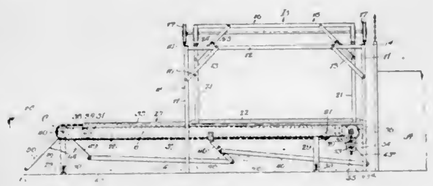
1,468,943. WARDROBE TRUNK. EUGENE W. HAWLEY, Philadelphia, Pa. Filed June 5, 1922. Serial No. 566,042. 4 Claims. (Cl. 190—36.)

1. The combination with a wardrobe trunk comprising sections hinged together, one of which provides a compartment for garments, of hangers for the support of garments in said compartment, a follower, means providing a multiplicity of elements along a side wall of the compartment and adapted to be engaged by and position the follower at different distances from the rear wall of



the compartment, a locking member carried by the follower, and a multiplicity of complementary locking elements along a side wall of the compartment so located as to be respectively engageable by said locking member in different positions of the follower.

1,468,944. CHARGING APPARATUS FOR ENAMELING FURNACES. WILLIAM HOGENSON, Chicago, Ill., assignor to Chicago Vitreous Enamel Product Company, Chicago, Ill., a Corporation of Illinois. Filed July 3, 1922. Serial No. 572,555. 11 Claims. (Cl. 214—26.)

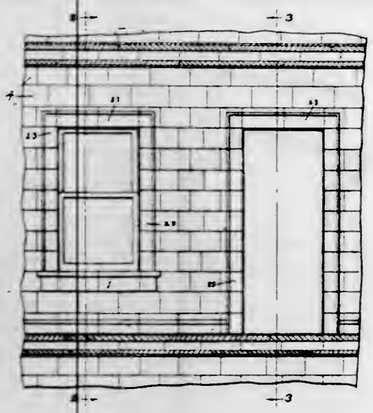


1. Charging apparatus for enameling furnaces, comprising in combination, a carriage having a removable work carrier, a furnace charging fork, arranged to receive said work carrier when the latter is moved over said charging fork, tracks, for supporting one end of the fork, and depressible rollers for supporting the other end of the fork.

1,468,945. BUILDING CONSTRUCTION. RALPH Z. HOPKINS, Detroit, Mich. Filed Oct. 30, 1920. Serial No. 420,710. 12 Claims. (Cl. 72—98.)

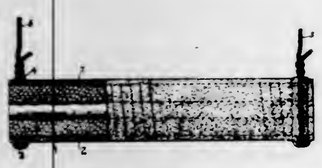
1. A frame for an opening in a wall, said frame consisting of inner and outer facing units adjacent said opening and arranged in vertical and horizontal rows.

jamb and lintel units between the facing units and also arranged in vertical and horizontal rows, all said units



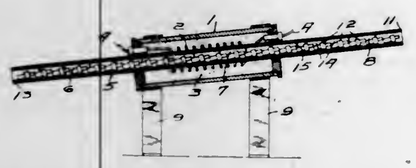
being precast and formed with registering grooves, and connectors mounted in said grooves to unite the units into frames.

Milwaukee, Wis., a Corporation of Wisconsin. Filed July 28, 1920. Serial No. 399,602. 8 Claims. (Cl. 1,468,946. RESISTANCE. ALBERT J. HORTON, New York, N. Y., assignor to The Cutler-Hammer Mfg. Co., 219—64.)



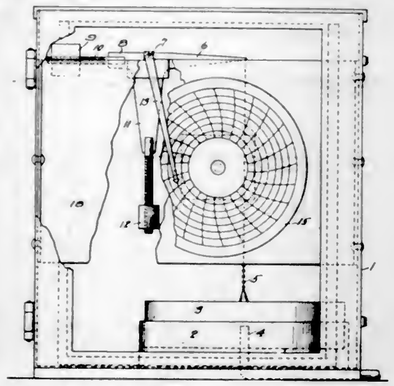
1. A resistance unit comprising a base, a coil of resistance wire mounted thereon, terminals for said resistance wire surrounding said base and provided with projecting parts for connection of the resistance wire thereto, said resistance wire being wound around said projecting parts to secure the same to said terminals.

1,468,947. FURNACE FOR DECORATING CERAMIC WARE. JOSEPH A. JEFFERY, Detroit, Mich., assignor to The Jeffery-Dewitt Company, Detroit, Mich., a Corporation of Maine. Filed Apr. 18, 1921. Serial No. 462,159. 4 Claims. (Cl. 25—142.)



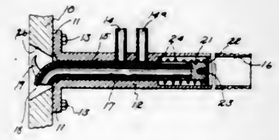
3. In a furnace for progressively heating bodies, a metallic tubular member in which the bodies are placed, a means for heating the tubular member, a porcelaineous lining located in the tubular member for protecting the bodies and the walls of the tubular member.

1,468,948. DRAFT GAUGE. LABAN ELLSWORTH JONES and CHARLES ROSWOLD WRAITH, Anaconda, Mont. Filed Mar. 20, 1920. Serial No. 367,458. 4 Claims. (Cl. 234—19.)



1. A draft gauge comprising a vessel containing a liquid, a balance, an inverted vessel suspended in the liquid from one arm of the balance, means acting upon the other arm of the balance in all angular positions thereof to counterbalance the force acting upon the first arm at a definite pressure condition within the vessel and a weighing arm connected to the balance at the fulcrum thereof, having a downward vertical position at said pressure condition.

1,468,949. FAUCET VALVE. CHARLES W. KOCH, New York, N. Y., assignor to Thomas F. Fleming, New York, N. Y. Filed June 6, 1922. Serial No. 566,273. 1 Claim. (Cl. 251—115.)

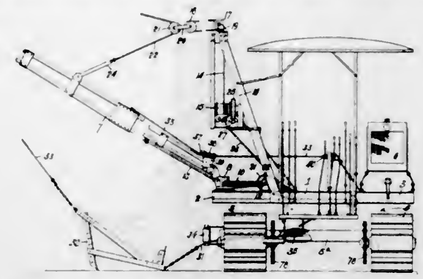


A faucet valve comprising a tubular body having a flanged end, longitudinally aligned pipe openings intermediate the length of the tubular body, an enlarged annular opening at the free end of said body, a tubular valve slidable in the bore of said body and having a longitudinal slot, said slot being aligned with the opening in said body, said slot normally resting rearward of said openings and closing the latter, a spring wound upon the rear end of said valve and housed in the enlarged opening of the body, a plate mounted on the rear end of the valve member and adapted to retain said spring in place, a downwardly extending mouth at the forward end of said valve, the slot in said valve when aligned with the openings in the body being adapted to permit full or fractional communication between the passage of the valve and the body openings when said valve is urged outwardly, said spring being adapted to slide said valve slot rearward to close said openings, and means for urging said valve outward.

1,468,950. BACK-FILLING MACHINE. LEO A. KRUPP, Findlay, Ohio, assignor to The Buckeye Traction Ditcher Company, Findlay, Ohio, a Corporation of Ohio. Filed Aug. 8, 1921. Serial No. 490,448. 1 Claim. (Cl. 37—144.)

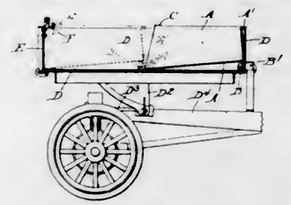
In a machine of the class described, a frame, a hollow axle below the frame, a tractor wheel carried by the axle, a boom carried by and projecting laterally from the frame,

a pair of drums carried by the frame, means for driving and controlling the operation of the drums, a scraper below the boom, a drawing-out cable connecting the scraper and one drum, guide means for said cable carried



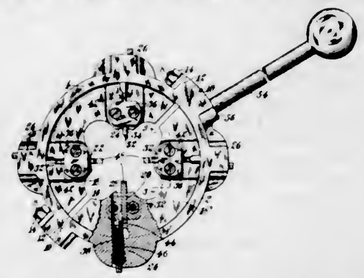
by the boom and frame, a drawing-in cable connecting the scraper and other drum and extending in through a part of the hollow axle, and means guiding the movements of the drawing-in cable.

1,468,951. BODY SCOOP. WILLIAM C. ANTHONY, Streator, Ill., assignor to Anthony Company, Streator, Ill., a Corporation of Illinois. Filed Mar. 5, 1921. Serial No. 450,006. 21 Claims. (Cl. 214—82.)



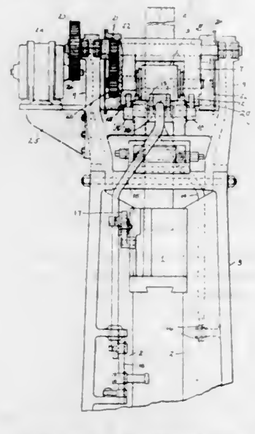
1. The combination of two receptacles one within the other, the inner receptacle having an open side, the edges of said open side normally in contact with the interior of said outer receptacle, said outer receptacle adapted to tip, and said inner receptacle adapted to move within said outer receptacle in response to said tipping movement.

1,468,952. IMPLEMENT FOR TRUING CRANK PINS AND EFFECTING LIKE OPERATIONS. FRED BADCOCK, London, England, assignor of one-half to Richard Willis Hill Kane, London, England. Filed Feb. 16, 1922. Serial No. 536,886. 6 Claims. (Cl. 82—4.)



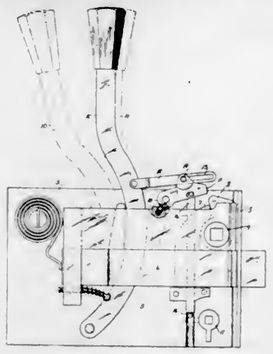
1. In an implement for truing crank-pins and effecting like operations, the combination with an annular frame having a plurality of spaced parallel-sided slots extending approximately radially from the inner edge of said annular frame and open on both faces of said frame, of a plurality of inwardly-projecting tools having parallel-sided shanks each mounted to slide in one of said slots, a plurality of guide-plates secured to the faces of the frame to close the open sides of said slots and adapted to bear against the exposed sides of the shanks of the tools to guide them, and means for independently adjusting each tool lengthwise of the slot in which it is mounted.

1,468,953. DROP HAMMER. JOHN R. BLAKESLEE, Cleveland, Ohio, assignor to The Ajax Manufacturing Company, Cleveland, Ohio, a Corporation of Ohio. Filed Mar. 14, 1921. Serial No. 451,935. 5 Claims. (Cl. 78—29.)



1. In a drop-hammer, the combination of a vertically reciprocable board; frames oscillatory about axes on the respective sides of said board and parallel therewith; rollers carried by said frames adapted upon inward movement thereof to contact with said board; and gearing for driving said rollers including an intermeshing gear and pinion respectively coaxial with each roller and the pivotal axis of the corresponding frame, and means for driving said pinions in opposite directions.

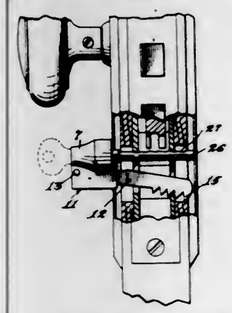
1,468,954. LATCH FOR VEHICLE DOORS. SEYMOUR M. BRADLEY, New Haven, Conn., assignor to The English & Mersick Co., New Haven, Conn., a Corporation. Filed May 17, 1921. Serial No. 470,292. 4 Claims. (Cl. 70—29.)



1. In a latch for vehicle doors, the combination with a latch-bolt, an upwardly-projecting lever-handle inside the door for moving the said bolt, a roll-back adapted to be

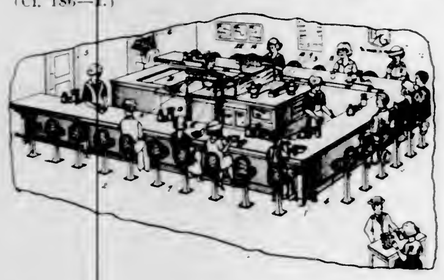
operated from the outside of the door, independent of the said lever, and adapted to retire the said latch-bolt, a dog adapted to engage directly with said roll-back, and means directly operated by the lever-handle for moving the said dog into and out of the path of the said roll-back.

1,468,955. KEYHOLE GUARD. WRIGHT D. BRESEE, Los Angeles, Calif. Filed Oct. 1, 1921, Serial No. 504,580. Renewed July 5, 1923. 2 Claims. (Cl. 70—8.)



1. A key hole guard comprising a casing, a fixed stem on said casing adapted to be inserted in the upper portion of a key hole, a housing on said casing, an arm pivoted in said housing extending beneath said stem in alignment therewith and adapted to be inserted in the lower portion of a key hole, a spring normally maintaining said arm in a retracted position, a cylinder rotatable in said casing having a key receiving slot, and a cam affixed on said cylinder to turn therewith arranged to bear on said arm and adapted on rotation of said cylinder to depress said arm in opposition to said spring and position the arm in spread relation to said stem.

1,468,956. SERVICE STRUCTURE. THOMAS O. BROOKS, Dallas, Tex., and ALBERT H. BUCK, Kansas City, Mo. Filed Apr. 6, 1923. Serial No. 630,258. 2 Claims. (Cl. 186—1.)

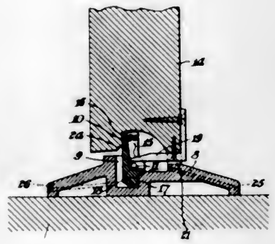


2. A service structure for restaurants comprising a stall, an order carrier at one side of the stall comprising an endless belt, part of which is accessible from the exterior of the stall and the remaining part of which is accessible from the interior of the stall, and order-card-receiving clips on the belt.

1,468,957. COMPOSITION OF MATTER. LEIGH E. BROWNELL, St. Paul, Minn., assignor, by mesne assignments, to Brownell Wildfire Battery Co. Inc., a Corporation of Delaware. Filed Apr. 17, 1922. Serial No. 554,186. 4 Claims. (Cl. 204—29.)

3. A battery filling compound, consisting of sulphuric acid mixed to water, with the admixture of a salt, and a plate filling hardening ingredient as alum, and a plate softening ingredient as glycerine.

1,468,958. WEATHER SEAL FOR THRESHOLDS. RAYMOND W. CHAMPION, Philadelphia, Pa. Filed Mar. 19, 1921. Serial No. 453,620. 7 Claims. (Cl. 20—66.)



1. A weather seal for a closure construction, comprising a closure and a sill, the closure provided in its lower edge with a channel extending the length thereof, the sill provided with a longitudinal channel having its upper longitudinal side margins in substantially the same horizontal plane, a bar supported intermediate its side margins on pivots located within the sill channel and adapted to lie with its top surface flush with said longitudinal side margins to form a substantially continuous horizontal surface therewith, and adapted to be moved by the closure into a vertical position with a substantial part above the pivot and a substantial part below the pivot and elevating means mounted on said closure for raising and maintaining said bar in such vertical position.

1,468,959. WATERPROOF PAPER BOARD. ALBERT L. CLAPP, Danvers, Mass. Filed June 12, 1922. Serial No. 567,752. 12 Claims. (Cl. 92—21.)

1. A process of making waterproof paper or box board, which comprises beating finely divided Montan wax into a pulpy mass of cellulose fiber containing finely divided calcium hydroxide, adding a precipitating agent, and forming the pulpy mass into sheet or web.

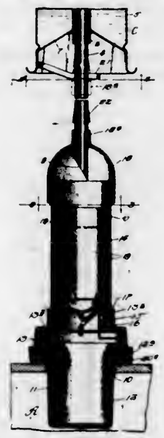
12. A composite paper or box board, comprising a layer of felted fiber, and an adherent exterior thin highly-waterproof layer of fiber, Montan wax and a voluminous flocculent precipitate, said layer not exceeding two to three one-thousandths of an inch in thickness.

1,468,960. METHOD OF MAKING ABRASIVE ARTICLES OF MANUFACTURE AND PRODUCT. FRANK JOSEPH CRUPI, Brooklyn, N. Y., assignor to Herman Behr & Co., Inc., Brooklyn, N. Y., a Corporation of New York. Filed Sept. 22, 1922. Serial No. 589,942. 12 Claims. (Cl. 51—278.)

1. The herein described method of making abrasive manufactures consisting in coating a backing with a solution of glue; in applying abrasive material to the glue coating; in coating the glue and abrasive coating with a colloidal, waterproof, adhesive composition containing rosin, glue, phenol, acetic acid and water in about the proportions stated, and in which the acids prevent congulation of the glue.

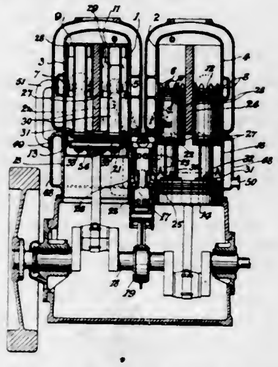
1,468,961. EXTRACTION APPARATUS. HENRY J. CARY-CURR, Chicago, Ill., assignor to E. H. Sargent & Company, Chicago, Ill., a Corporation of Illinois. Filed Feb. 28, 1923. Serial No. 621,794. 7 Claims. (Cl. 23—3.)

1. In an extraction apparatus of the character described, the combination with a heater provided with a beaker-support, of a beaker, a mercury-trough about the beaker, a hood dipping into said trough, a condenser having communication through a passage with said beaker,



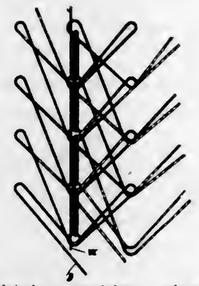
and supporting means in said passage for the material to be treated, communicating with the condenser.

1,468,962. INTERNAL-COMBUSTION ENGINE. JOHN DAVIDSON, Burton-on-Trent, England. Filed June 29, 1920. Serial No. 392,754. 3 Claims. (Cl. 123—53.) (Granted under the provisions of the act of Mar. 3, 1921. 41 Stat. L., 1313.)



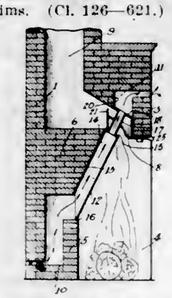
1. In an internal combustion engine, in combination a crank shaft, a pair of charging pistons connected to the crank shaft with angular displacement of substantially 180 degrees; a plurality of working pistons rigidly connected to each charging piston; an eccentric on the crank shaft, a hollow piston valve operatively connected to said eccentric and situated between the charging pistons; charging cylinders containing the charging pistons, working cylinders containing the working pistons and forming open extensions of the charging cylinders; a valve casing containing the hollow piston valve open at one end; ports leading from the charging cylinders to the valve casing and opening into the valve casing at opposite sides of the middle thereof; inlet ports in the working cylinders connected to the middle of the valve casing and having a common opening into said casing; a charge inlet port at that end of the valve casing nearest the open end of said valve; ports in the hollow piston valve at each side of the middle thereof and co-operating with the ports leading from the charging cylinders; and an annular constriction at the middle of the hollow piston valve co-operating with the common opening of the inlet ports to the working cylinder for the hereinbefore specified purpose.

1,468,963. KNITTED FABRIC. HARRY GROPPER, New York, N. Y. Filed Feb. 2, 1923. Serial No. 616,471. 3 Claims. (Cl. 66—4.)



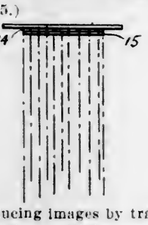
1. A knitted fabric comprising a plurality of courses each consisting of two stitch elements superimposed one upon the other, each stitch element consisting of a single warp, one stitch element being formed by looping one warp about a group of two opposite needles and the other stitch element being formed by looping the other warp about a needle, thence about a diagonally opposite needle, thence about the second adjacent needle and thence returning about said diagonally opposite needle to the beginning point.

1,468,964. FIREPLACE HEATER. WILLIAM J. GROTH, Los Angeles, Calif. Filed Mar. 26, 1923. Serial No. 627,608. 6 Claims. (Cl. 126—621.)



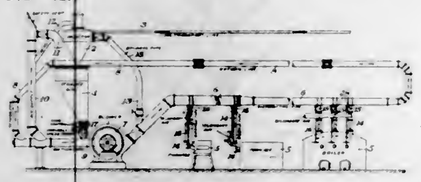
1. A fireplace structure having a fire space, a smoke flue at the top of said fire space and extending through said fireplace structure, an air conduit in said fire space and having a fresh air inlet, pipes extending across said smoke flue from said air conduit to form a hot air discharge, and a damper comprising a closure plate hinged to said air conduit at its junction with said pipes and mounted in said smoke flue extending across said pipes, said plate being adapted to be swung away from said pipes to open said smoke flue, and to be swung into position resting upon said pipes for closing said smoke flue.

1,468,965. PROCESS OF PRODUCING IMAGES BY TRANSMITTED LIGHT. BURTON P. HALL, Fanwood, N. J. Filed Mar. 25, 1921. Serial No. 455,517. 1 Claim. (Cl. 95—5.)



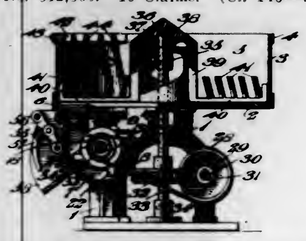
In the art of producing images by transmitted light the process of first preparing multiple component negatives of the same objects by the method of simultaneous exposure through lenses situated a suitable distance apart and then combining these negatives by superposition to produce a composite positive.

1,468,966. PULVERIZED-FUEL FEEDING AND DISTRIBUTING APPARATUS. CECIL F. HEAINGTON, Pittsburgh, Pa., assignor to Heyl & Patterson, Inc., Pittsburgh, Pa., a Corporation of Pennsylvania. Filed Sept. 14, 1922. Serial No. 588,217. 20 Claims. (Cl. 302—42.)



1. In a fuel handling system, a distributing pipe, a branch pipe fed therefrom, mechanism for supplying fuel to said distributing pipe proportional to the demands on the system, movable means in said branch pipe for varying the demands upon said system, and means automatically operable with said movable means irrespective of the pressure in the system for varying the amount of fuel fed by said mechanism, substantially as described.

1,468,967. MIXING AND CUTTING MACHINE. CHARLES W. HOTTMANN, Philadelphia, Pa. Filed May 31, 1923. Serial No. 642,660. 10 Claims. (Cl. 146—79.)



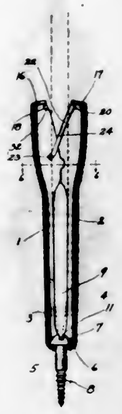
1. In a mixing and cutting machine, a casing having a mixing chamber, a cutting chamber and a combined inlet and discharge port communicating with said chambers, means to effect the circulation of the material in said mixing chamber, and cutting mechanism for said cutting chamber.

1,468,968. BUILDING CONSTRUCTION. JOHN H. KILLION, Chicago, Ill. Filed Dec. 9, 1921. Serial No. 521,131. 10 Claims. (Cl. 72—116.)



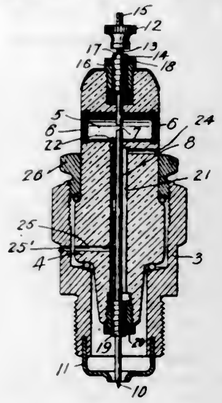
10. An article of manufacture comprising an outer strip having inwardly turned flanges and an inner strip slid endwise between said flanges, said inner strip being corrugated, some of said corrugations touching said outer strip whereby each reinforces the other.

1,468,969. SCREW-DRIVER ATTACHMENT. JAMES M. LAWLOR, Topeka, Kans. Filed Apr. 24, 1922. Serial No. 556,170. 2 Claims. (Cl. 145—52.)



1. A screw driver attachment for screws comprising two complementary members pivoted together and having screw-engaging jaws, in combination with an expansion spring consisting of a bar having parallel, outstanding arms at the ends of which are outstanding portions, substantially parallel arm members carried by the outstanding portions, the members being bent upward, the spring being positioned between the two complementary members beyond the point at which they are pivoted so that the other ends of the members will be forced one toward the other, the spring forming a loop through which the screw driver may be inserted so that the screw driver can pass between the two complementary members.

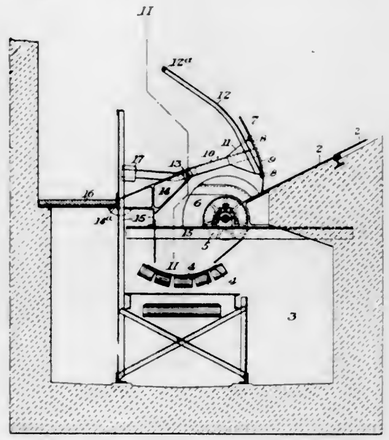
1,468,970. SPARK PLUG. CALEB E. LEONARD, Boonton, N. J. Filed Apr. 19, 1920. Serial No. 374,796. 4 Claims. (Cl. 123—169.)



1. A spark plug having an insulating core provided with a transverse passage therethrough, transparent windows closing the opposite ends of said passage, said core further provided with a central longitudinal bore inter-

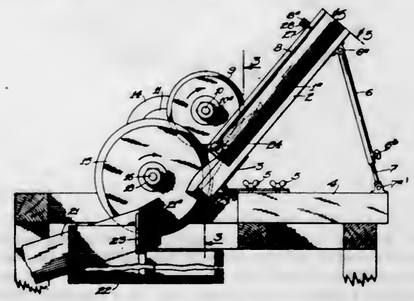
nally threaded at its upper and lower ends, a bushing threadedly engaged in each end of the longitudinal bore, a sparking electrode adjustably supported in one of the bushings and having its outer end disposed within the transverse passage, and a terminal electrode adjustably supported in the other of said bushings and having its inner end disposed within the passage opposite the end of the sparking electrode.

1,468,971. COKE WHARF. ELLIOTT J. MASON, Pittsburgh, Pa., assignor to Heyl & Patterson, Incorporated, Pittsburgh, Pa., a Corporation of Pennsylvania. Filed July 14, 1921. Serial No. 484,626. 2 Claims. (Cl. 214—18.)



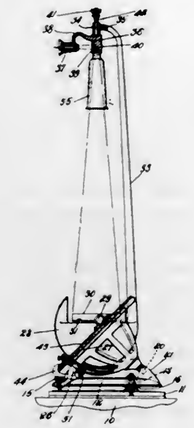
1. A coke wharf having an inclined bed and a pit at the lower end of the bed, a frame in the pit, a feeder in the pit supported by its frame and at the side of and adjacent to the end of the bed, an operator's platform at the opposite side of the pit, there being a space between the feeder and the platform through which the coke from the wharf is passed by the feeder, brackets supported by the frame extending outwardly over the pit from the platform side of the pit, a gate for the lower end of the wharf, and a gate-supporting frame pivoted to the brackets and extending outwardly from the platform side of the pit toward the wharf, there being a clear coke space between the brackets and the feeder along the entire length of the wharf, substantially as described.

1,468,972. FISH SLICING AND BACKBONE-REMOVING MACHINE. CHARLES MEISSNER, San Diego, Calif. Filed Mar. 8, 1923. Serial No. 623,634. 12 Claims. (Cl. 17—4.)



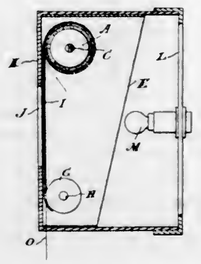
1. In a machine of the class described, a guide means, a cutting member mounted at the upper side of said guide means and spaced apart cutting members positioned from and on either side from said first mentioned cutting member and extending into said guide means.

1,468,973. REFLECTING TELESCOPE. RUSSELL W. PORTER, Springfield, Vt. Filed Jan. 25, 1922. Serial No. 531,526. 13 Claims. (Cl. 88—32.)



1. An astronomical reflecting telescope comprising a reflector, a prism or diagonal and a laterally arranged ocular, in combination with a support for the reflector capable of movement about the polar axis and the declination axis and a standard rigidly connected with and extending upwardly from said support and having the ocular and prism or diagonal mounted at its free end.

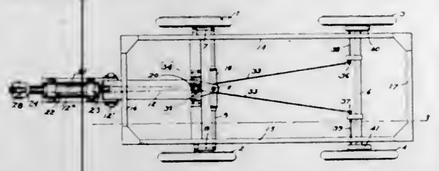
1,468,974. TRAFFIC SIGNAL. FRANK FAYERS RACE, Toronto, Ontario, Canada. Filed Apr. 9, 1923. Serial No. 631,049. 1 Claim. (Cl. 116—45.)



A traffic signal comprising a housing adapted to be carried by the vehicle, and having a wall adapted to permit light rays to pass therethrough; a supporting member removably mounted within said housing and having frictional contact with the interior thereof, and apertured to permit light rays to pass longitudinally therethrough; a spring-provided roller horizontally journaled in said supporting member above the light-passing part of said wall; another roller horizontally journaled in said supporting member below the light-passing part of said wall; a flexible curtain attached to said rollers and provided with suitable signals and permanently located to intercept and colour light rays passing through said apertured wall, for the purpose stated; a closure member for the open end of said housing; an electric lamp carried by said closure member, and removable therewith when said housing is opened to permit of the removal of

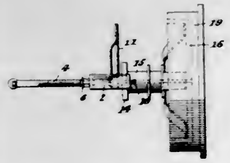
said supporting member and parts carried thereby, and flexible means under the control of the driver to turn said second-mentioned roller, for the purpose specified.

1,468,975. TRAILER OPERATING MECHANISM. HENRY J. RALSTON, San Francisco, Calif. Filed Sept. 20, 1919. Serial No. 325,262. 3 Claims. (Cl. 188—112.)



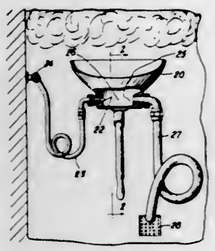
1. In a trailer brake mechanism for a wheeled trailer having brake drums, shoes and operating levers associated with one set of wheels, the combination of a draw-bar pivoted on the trailer frame to move laterally, a front draw-bar pivoted on the first draw-bar to move vertically, a lever pivoted on the front end of the latter draw-bar for hauling the trailer, a cable connected with the lower end of the latter lever and with the brake levers and means associated with each draw-bar pivot for holding the cable in a constant relation with respect to the braking apparatus upon lateral and vertical movements of the draw-bar.

1,468,976. CLASP FOR REMOVING DISK CLUTCHES ON AUTOMOBILES. JOHN RICKART, Palmyra, Mo. Filed Apr. 17, 1922. Serial No. 553,778. 2 Claims. (Cl. 29—85.)



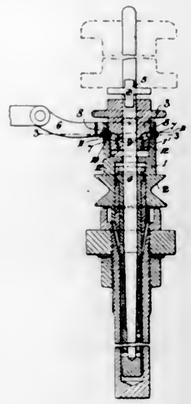
1. In a disk clutch puller, the combination of a cross head formed with a pair of hooks on each end, a screw jack operated centrally of the cross head and through same, means loosely carried by one end of the jack screw for engagement with a retaining pin carried by the disk clutch and means rotatably operated on the jack screw for bringing the first mentioned means into holding engagement with said retaining pin.

1,468,977. METHOD OF AND APPARATUS FOR REMOVING SNOW. MARIO SCHIESARI, New York, N. Y. Filed Nov. 28, 1922. Serial No. 603,880. 17 Claims. (Cl. 37—41.)



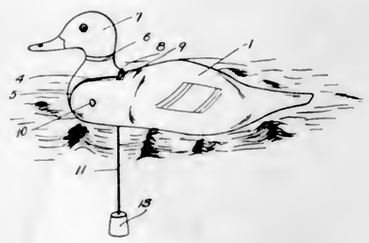
1. The method of snow removal, which consists in simultaneously collecting snow and directing it in the path of a stream of water under pressure, and in directing the resulting mixture to a predetermined point of discharge.

1,468,978. DEVICE FOR COUPLING SPOOLS AND SPINDLES IN WINDING MACHINERY. HANS SCHWEITER, Horgen, Switzerland. Filed Mar. 29, 1922. Serial No. 547,838. 6 Claims. (Cl. 242—464.)



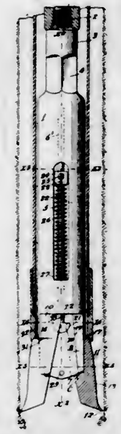
1. In a device for coupling the spindles and spools of winding machinery and the like spring influenced balls movably mounted in one of the two parts to be coupled; and means on the other of said parts adapted to receive and be engaged by portions of said balls.

1,468,979. DECOY. HARRY E. SHERMAN and LOUIE A. SHERMAN, Kansas City, Mo., assignors, by mesne assignments, to American Cartridge Company, Kansas City, Mo., a Corporation of Missouri. Filed Jan. 7, 1922. Serial No. 527,768. 4 Claims. (Cl. 43—3.)



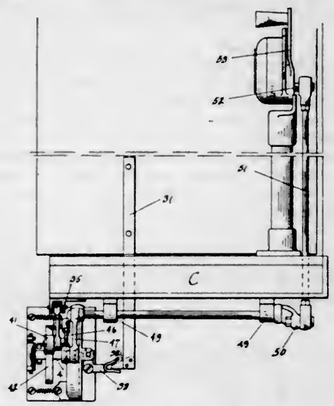
1. A decoy comprising a body member having an interior chamber opening through the bottom of the body and having a vertical breast slot communicating with said chamber, a disk pivoted in said slot on a horizontal axis, and having an extension forming the neck and head of the decoy, and an anchor connected with said disk to yieldingly retain the head erect.

1,468,980. WIDE-EXPANSION UNDERREAMER. ROBERT E. SIMPSON, Taft, Calif. Filed Nov. 2, 1921. Serial No. 512,248. 7 Claims. (Cl. 255—75.)



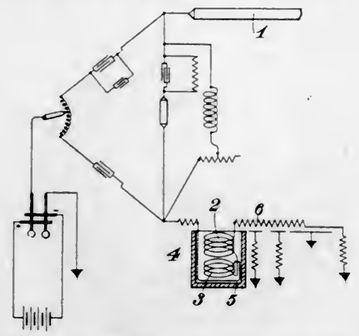
1. An underreamer comprising a stock provided at its lower end with a downwardly tapering tongue; cutters having upwardly expanding runways in which the tongue engages; and yielding means to hold the cutters against the lower end of the stock.

1,468,981. INTERLOCK MECHANISM FOR ELEVATORS. THOMAS H. STRALEY, Philadelphia, Pa., assignor to Standard Elevator Interlock Company, Philadelphia, Pa., a Corporation of Pennsylvania. Filed Mar. 21, 1921. Serial No. 454,009. 15 Claims. (Cl. 187—49.)



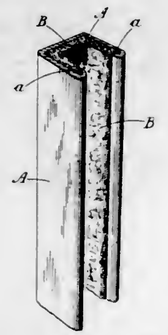
6. In the art of locking elevator hatchway doors in closed position, the combination of a locking mechanism, adapted to lock the door in closed position, comprising a member having an enlarged opening, and means, adapted to be connected between the locking mechanism and the door, comprising a bearing adapted to be entered into the said opening, and bear against one wall thereof in the movement of the door in the operation of moving it to a closed position, but leave a space between the said bearing and the opposite wall of the said opening, whereby, if the door rebound from its closed position in the operation of closing it, its rebound movement will not be transmitted to the said locking member, yet, nevertheless, the latter will prevent the door from being further opened.

1,468,982. DUPLEX TELEGRAPHIC SYSTEM. HERBERT WATSON SULLIVAN, London, England. Filed Mar. 22, 1921. Serial No. 454,466. 4 Claims. (Cl. 178—63.)



1. An artificial line for telegraphy, comprising a length of cable core immersed in water, the ratio of the electrical constants of which is the same or substantially the same as that of the signaling core.

1,468,983. WINDOW OR THE LIKE. ARTHUR WATKINSON, London, England. Filed Mar. 17, 1920. Serial No. 366,654. 1 Claim. (Cl. 296—44.5.)



The combination of a metal strip of channel section having the adjacent sides thereof extending at substantially right angles to each other to form three flat sides one of which is adapted to directly cooperate with and bear against a flat surface on a window frame, the remaining two sides each having its free edge bent inwardly and downwardly to provide a recess communicating with the channel and also to provide a shoulder presented toward the bottom of said channel, a lining of cushioning material of greater thickness than the width of said shoulders disposed in said channel with the outer portion of each edge forced into the respective recess and the inner portion of said edge in abutting frictional engagement with the respective shoulder, each side wall of the lining extending to a plane inwardly of the respective shoulder, said lining being readily replaceable and disengageable from said channel member, and a glass sheet directly engaged by said lining.

1,468,984. AMUSEMENT DEVICE. JOHN W. WEAVER, Toledo, Ohio. Filed Oct. 11, 1922. Serial No. 593,685. 2 Claims. (Cl. 46—57.)

1. In a device of the class described, a plurality of playing balls, a table having various ball receiving positions thereon, and a hollow rotatable distributing member adapted to hold the balls in initial position and when

rotated to throw the balls to outer positions in the member and having inclined portions to then permit an inward gravity movement of the balls to and through registering openings in the member bottom onto the

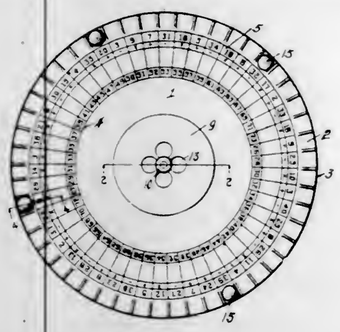
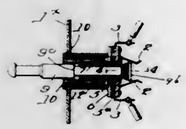


table top, the member being provided with interior portions which maintain the balls in predetermined circularly spaced relation when in their outer positions within the member.

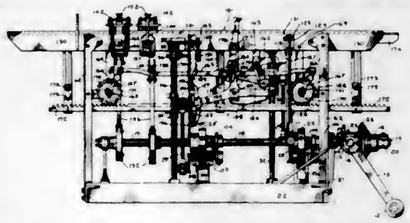
1,468,985. ELECTRIC SWITCH. FREDERIK G. WHITTINGTON, Evanston, Ill., assignor to Stewart-Warner Speedometer Corporation, Chicago, Ill., a Corporation of Virginia. Filed Mar. 6, 1922. Serial No. 541,275. 2 Claims. (Cl. 200—163.)



1. An electric switch device for mounting on an instrument board or the like, comprising in combination with a pair of contacts, an insulating support on which the contacts are mounted with an intervening gap, and a plunger carrying an insulated conductor mounted for reciprocation to enter and withdraw from the gap for closing and opening the circuit; two sleeves respectively threaded interiorly and exteriorly for screwing together, one of said sleeves being longitudinally stopped in one direction on said insulating support axially in alignment with the gap between the contacts, the other sleeve being flanged for stopping it in the opposite direction, and a third sleeve fitting outside the outermost of the screwed-together sleeves for supplementing or replacing the thickness of a board thinner than the length of the outermost of the two sleeves to adapt them for clamping upon such thinner board.

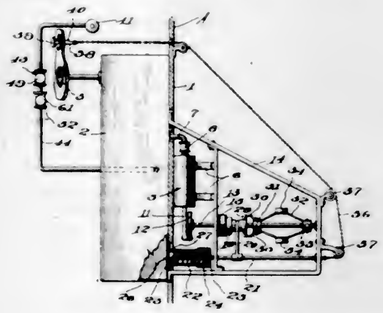
1,468,986. SAW SETTING AND SHARPENING MACHINE. BERNHARD WILTHIL, Flushing, N. Y. Filed Aug. 30, 1921. Serial No. 496,886. 15 Claims. (Cl. 76—35.)

8. In a machine of the class described, a pair of jaws longitudinally of the upper part thereof and movable uprights for supporting said jaws, a drive shaft longitudinally of said machine beneath said jaws and file reciprocating transmission transversely thereof connected by rods and cams with said drive shaft, and a rack intermediate said jaws and said drive shaft, and pinions meshing therewith operatively connected with the transmission of said machine for controlling the feed thereof,



and a holder for said saw carried by said rack and adapted to shift said saw through said jaws while said files are lifted clear of said saw.

1,468,987. REGULATING MECHANISM FOR COMPRESSORS. HUGH ABBOTT, Hill City, S. Dak. Filed Apr. 24, 1919. Serial No. 292,368. 2 Claims. (Cl. 103—12.)



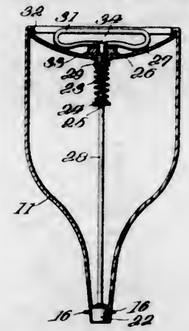
1. The combination of a motor vehicle including a motor, an air compressor, a tank for receiving the air from the compressor, a cylinder having communication with the tank, a piston reciprocably mounted within the cylinder, a shaft arranged adjacent the cylinder, means operatively connecting the shaft with the compressor, a clutch mechanism on said shaft, a governor mechanism on said shaft for operating said clutch for controlling the operation of said compressor, a piston rod connected to said piston and extending in parallel relation to said shaft, and an arm secured to said piston rod and operatively connected with said clutch for permitting the disconnection of the compressor from said shaft when the pressure in said tank has reached a predetermined value, and means for manually operating said piston rod.

1,468,988. PROCESS FOR UTILIZING GASES CONTAINING HYDROGEN SULPHIDE IN THE SEPARATION OF METALS. CHARLES BERTHELOT, Paris, France. Filed July 14, 1920. Serial No. 396,295. 9 Claims. (Cl. 23—13.)

1. The process of separating copper from zinc consisting in treating a solution containing these metals with hydrogen sulphide, separating the precipitated copper sulphide and then dissolving further quantities of the metals with the remaining solution.

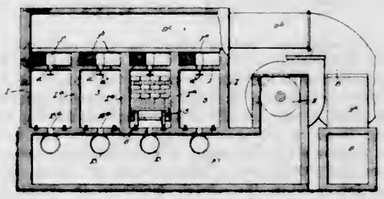
1,468,989. PROCESS AND APPARATUS FOR DISPENSING LIQUIDS. ROE BLACK, Gem, Nebr. Filed June 10, 1922. Serial No. 567,284. 6 Claims. (Cl. 221—15.)

1. In a liquid dispensing device, in combination, a container comprising a nozzle having an internal valve seat, a plug in the bottom of said container, a rod extending through said plug, a valve carried by said rod coacting with said seat, the opening receiving said plug being



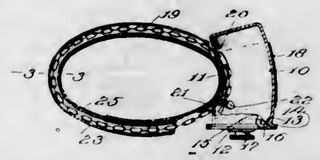
larger than said valve whereby the assembly of the valve and plug may be removed as a unit from the container.

1,468,990. APPARATUS FOR DRYING BRICK AND OTHER CLAY ARTICLES. JOHN C. BOSS, Elkhart, Ind. Filed Dec. 3, 1921. Serial No. 519,628. 5 Claims. (Cl. 34—46.)



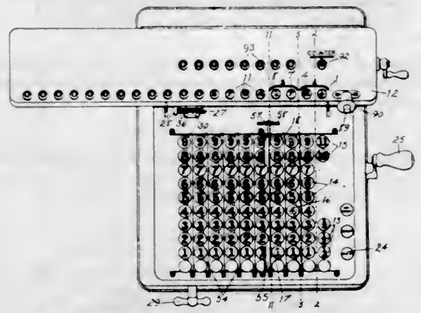
5. Apparatus for drying brick and other clay products comprising a series of closed tunnels arranged side by side and having means for admitting loaded cars thereto, conduits above and beneath said tunnels, and communicating therewith, a transverse flue located above the upper conduits and communicating therewith, a blower for supplying heated air under pressure to said transverse flue, a second transverse flue beneath the tunnels communicating with all of said lower conduits, and a suction fan for exhausting air from said second transverse flue.

1,468,991. MESSENGER'S PORTABLE SAFE. JOHN C. BUTNER, Greenville, N. C. Filed Apr. 11, 1922. Serial No. 551,521. 3 Claims. (Cl. 2—61.)



3. A messenger's safe comprising in combination, a garment, a belt stitched to said garment at its edges, a flexible element of refractory material passed under said belt about said garment, a receptacle of refractory material having openings, the ends of said element passing through said openings and secured together disconnectively within said receptacle, a cover for said receptacle and means for locking the cover closed whereby the receptacle cannot be readily removed from the body of the wearer of the garment.

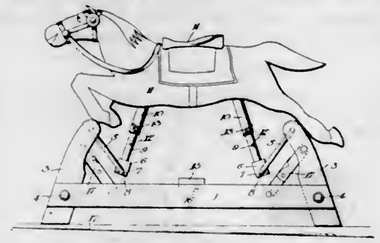
1,468,992. CALCULATING MACHINE. GEORGE C. CHASE, South Orange, N. J., assignor to Monroe Calculating Machine Company, New York, N. Y., a Corporation of New York. Filed May 12, 1922. Serial No. 560,359. 60 Claims. (Cl. 235—73.)



4. In a multiple order calculating machine, a transversely shiftable carriage, numeral wheels mounted thereon and certain of which are marked according to one system and others according to a different system of numeration, selecting mechanism including banks of denominational keys, and means for shifting the carriage to place varying groups of numeral wheels under the control of said keys.

5. In a multiple order calculating machine, numeral wheels certain of which are fractionally marked and others decimally marked, selecting mechanism, means for placing varying groups of numeral wheels under the control of said selecting mechanism, and means for preventing a fractional numeral wheel from being shifted from the control of one order of selecting members to another.

1,468,993. TOY. ATHERTON D. CONVERSE, Winchendon, Mass. Filed May 14, 1921. Serial No. 469,420. 1 Claim. (Cl. 46—22.)

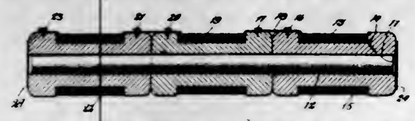


A toy of the character described comprising a frame consisting of two spaced apart members, two uprights pivotally connected to each end of said frame, swinging members carried by said uprights, standards mounted on said swinging members, a child supporting body carried by said standards, said child supporting body being readily removable from said standards, said uprights being foldable downwardly between the frame members, said swinging members being foldable between the uprights, so that said standards will occupy a position centrally and longitudinally of said frame.

1,468,994. SPOOLED WIRE. JOHN COOK, Ridgewood, N. J., assignor to Cornish Wire Company, Incorporated, New York, N. Y., a Corporation of New York. Filed Aug. 26, 1922. Serial No. 584,403. 5 Claims. (Cl. 206—46.)

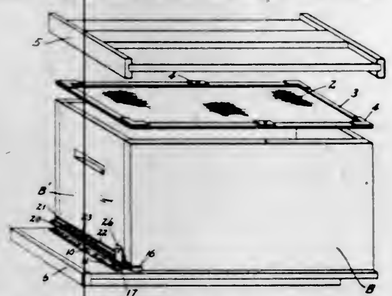
1. A package of the character described comprising two or more spools held in juxta-posed position, a single

length of wire wound upon said spools and having portions of the wire fastened to the spools and extending



between the ends thereof, and means within the outer dimensions of the package for holding said spools substantially in axial alinement.

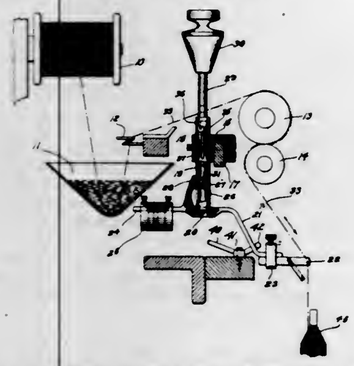
1,468,995. VENTILATING GATE FOR BEEHIVES. JOHN B. COTTAM, Montecito, Calif. Filed July 21, 1922. Serial No. 576,574. 8 Claims. (Cl. 6—4.)



1. A ventilating closure for beehives comprising a reversible bridge structure applicable to the front of the beehive and provided with a foraminous part adapted to cover the beehive opening.

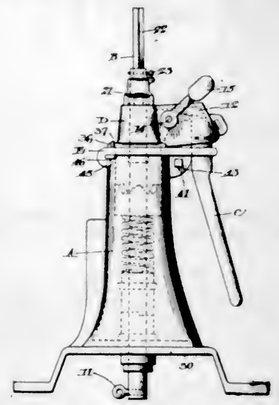
5. A gate structure for beehives comprising a bridge-like frame adapted to be secured to the front of the beehive contiguous to the opening thereof, adjustable end members carried by the frame and adapted to be positioned so as to define and limit the area of the entrance opening to the beehive, and a guard slidably carried by one of said members adapted to be shifted relative to said members to reduce the size of the opening formed thereby so as to prevent robbing of the hive.

1,468,996. TWISTING FRAME. COME DESHAIES, Central Falls, R. I. Filed Feb. 21, 1922. Serial No. 538,315. 8 Claims. (Cl. 117—32.)



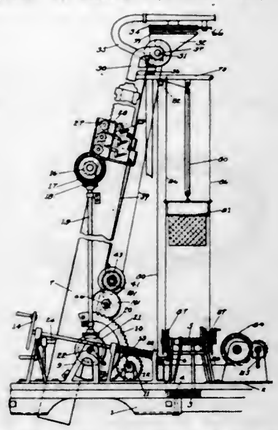
1. In a twisting frame having draft rolls, a thread tensioning lever weighted at one end and engaged by the thread at the other end on the delivery side of said rolls to hold said lever in normal position, a weighted upright spindle having thread severing and clamping means located on the supply side of said rolls and a cam controlled by said lever for normally retaining said spindle in inoperative position whereby the breaking of said thread operates said lever and cam to release said spindle to function.

1,468,997. AUTOMATIC RAILWAY SWITCH STAND. JOHN JAMES DILLON, Sault Ste. Marie, Ontario, Canada. Filed Dec. 4, 1922. Serial No. 604,961. 2 Claims. (Cl. 246—287.)



1. An automatic switch stand of the character described comprising a casing, a main operating shaft extending vertically in the casing, a top plate, a head rotatably mounted on the top plate, a handle connected to the head, a pair of slip clutch members having interlocking teeth, a clutch connection between one of the clutch members and the head, a non-rotatable connection between the other clutch member and the shaft, spring means for holding the clutch members in engagement with each other, said spring connection including a spiral spring and a collar surrounding the shaft and bearing on one side against the spring and on the other side against the casing, and a nut on the shaft bearing against the head member.

1,468,998. WATER TOWER AND THE LIKE. JOHN DOLAN, Dayton, Ohio. Filed Feb. 24, 1920. Serial No. 360,636. 19 Claims. (Cl. 169—25.)



1. In a mechanism of the character described, the combination with a hoisting mechanism comprising an extensible element, and means for actuating the same,

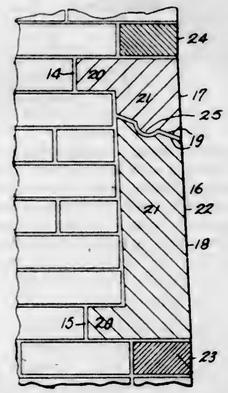
of a nozzle supporting structure pivotally mounted at the upper end of said extensible element, a nozzle mounted on said supporting structure, a flexible hose section connected with said nozzle mounted on a relatively fixed support and adapted to be connected with a hose line, a drum connected with said supporting structure, a cable wound about said drum, and controlling devices for said cable arranged near the base of said hoisting mechanism.

1,468,999. REFRIGERATING APPARATUS. GUSTAV H. EMERY, Washington, D. C., assignor to Pablo Broquier, Madrid, Spain. Filed Aug. 5, 1922. Serial No. 579,930. 3 Claims. (Cl. 62—139.)



1. Refrigerating apparatus, comprising a cylindrical tube adapted for rotation; means for forcing air through the tube; means for supplying a liquid on the surface of said tube; and wings on the outside of the tube.

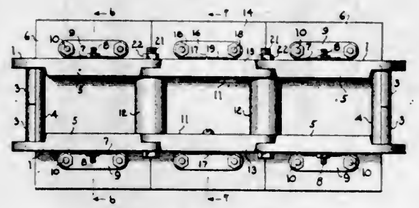
1,469,000. FURNACE CONSTRUCTION. JAMES GATES, Montreal, Quebec, Canada. Filed Oct. 4, 1920. Serial No. 414,672. 8 Claims. (Cl. 110—86.)



1. A furnace wall having a recess extending thereabout from the level of the grate upward, said recess being deeper immediately adjacent the top and bottom walls than in the intervening portion, and lining blocks inserted in said recess having rearwardly projecting portions forming continuations of the top and bottom surfaces of the blocks and engaging the deeper parts of the recess to hold the blocks against tipping into the furnace.

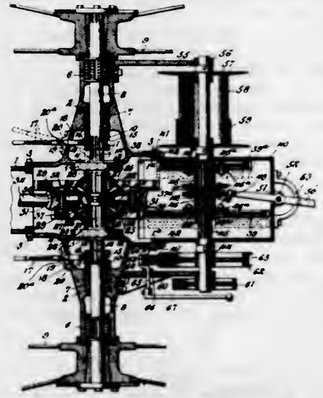
1,469,001. TREAD FOR TRACTORS. CLEVELAND GENTRY, Azusa, Calif. Filed Aug. 24, 1921. Serial No. 495,003. 5 Claims. (Cl. 74—32.)

1. In a device of the character described, a chain composed of alternate links interfitting and connected to each other, every other link composed of a single integral casting having spaced elongated side walls connected near their ends by transverse sleeves, the other alternate links comprising separate side plates adapted to bear against the outer side faces of the first link, transverse, semi-tubular lugs carried by said plates and extending halfway through the said sleeves and abutting against each other, a semi-tubular member equal in length to the two abutting lugs adapted to fit in the remaining half of the sleeve to



bridge the joint between the lugs and to coact therewith to form a pintle for the sleeve, and means for connecting the separate side plates of the second-mentioned links.

1,469,002. POWER-DELIVERING ATTACHMENT FOR AUTOMOBILE TRUCKS OR TRACTORS. LEO HAUBERT, Muskogee, Okla., assignor of one-third to John Charles Bennett and one-third to John A. Wolfe, both of Tulsa, Okla. Continuation of application Serial No. 576,309, filed July 20, 1922. This application filed Feb. 10, 1923. Serial No. 618,342. 7 Claims. (Cl. 74—7.)

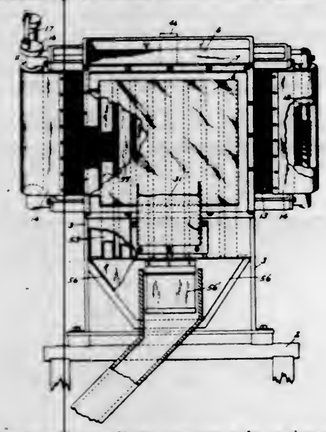


1. A power delivering attachment for motor vehicles having separate drive axles, differential gearing located between the axles, a drive shaft connected to the gearing, short shafts extending from the differential gearing, in alignment with the separate drive axles, anti-friction bearings for the short shafts at an intermediate point of the length thereof, means for connecting the short shafts with the axles or disconnecting the same therefrom, a winding drum, and gearing connecting the winding drum with the differential gearing.

1,469,003. PNEUMATIC SCREEN. JOHN HERMAN, Los Angeles, Calif. Filed June 1, 1922. Serial No. 565,052. 26 Claims. (Cl. 83—54.)

1. The method of screening fine material, which consists in directing material to be screened in an upward

path of movement in air and then changing the direction of movement by a suction effect to impinge it upon an



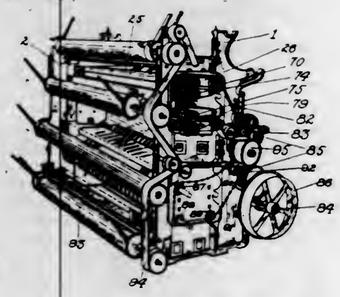
upright screening medium, concurrently reciprocating in the direction of its length and having a vibratory movement to the medium.

1,469,004. AMALGAM CARRIER AND PLUGGER. GUSTAV HOLTZ, Gouldsboro, Pa. Filed Mar. 5, 1920. Serial No. 363,374. 3 Claims. (Cl. 32—10.)



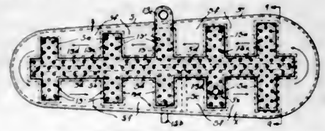
1. In a dental implement, an imperforate barrel, a collar slidable on the barrel, means for holding the collar in any desired position on the barrel so that the implement may be adapted to different sized bands, said collar when adjusted maintaining a fixed position on the barrel and means mounted in the barrel to force filling material out from the implement, said means being operable from one end of the barrel and movable in the direction of the collar.

1,469,005. CONDENSING APPARATUS FOR CARDING MACHINES. JOHN H. KOVAR, Worcester, JOSEPH F. SCHIMEK, Holden, Mass., and ALEXANDER CAVEDON, Woonsocket, R. I., assignors to Cashiko Machine Company, Worcester, Mass., a Corporation of Massachusetts. Filed June 16, 1920. Serial No. 389,409. 17 Claims. (Cl. 19—153.)



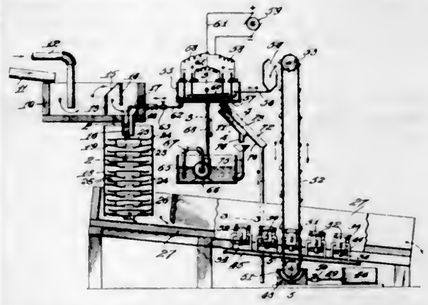
5. In a tape condensing machine, end brackets, apron rolls, a pair of rubbing aprons each carried by a set of rolls rotatably mounted in horizontally alined end brackets, means for securing vertically alined brackets together, in pairs, with said aprons a predetermined distance apart, and further means for vertically adjusting the brackets to regulate the distance between said aprons.

1,469,006. GARMENT-PRESSING MACHINE. CHARLES H. LEWIS, Syracuse, N. Y. Filed Apr. 17, 1922. Serial No. 553,831. 6 Claims. (Cl. 68—9.)



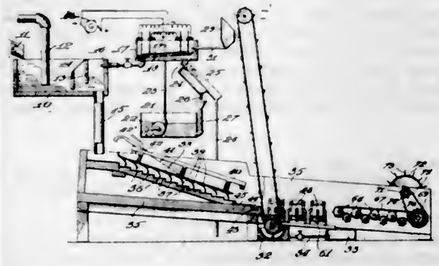
1. A clothes pressing machine, including a hollow body having a recessed pressing surface, a hollow insert for filling the body recess and supplementing the pressing surface, the pressing surface of the insert being perforate and consisting of spaced portions of different size which alternate with imperforate portions of the body pressing surface.

1,469,007. AMALGAMATOR AND SEPARATOR. CHARLES MEYER and HENRY B. MEADE, Los Angeles, Calif., assignors to Frank A. Gillespie, Loa Angeles, Calif. Filed Jan. 26, 1921. Serial No. 440,186. 18 Claims. (Cl. 83—67.)



1. In an amalgamator, a trough through which the material to be treated and mercury are adapted to pass, said trough being provided with a transversely disposed mercury pocket, the bottom of which gradually declines toward one end, and means located at the end of said pocket having the greatest depth for automatically effecting a separation of the mercury carrying the heavier metals from the mercury carrying the lighter metals.

1,469,008. AMALGAMATOR AND SEPARATOR. CHARLES MEYER and HENRY B. MEADE, Los Angeles, Calif., assignors to Frank A. Gillespie, Los Angeles, Calif. Original application filed Jan. 26, 1921, Serial No. 440,186. Divided and this application filed June 2, 1921. Serial No. 474,344. 10 Claims. (Cl. 83—67.)



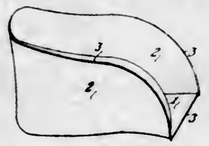
1. In an amalgamator, a trough through which the material to be treated is adapted to pass, a series of mercury pockets in the bottom of said trough, screw conveyors arranged for operation in the trough for removing the material that collects within the pockets, a receptacle adapted to receive the material removed from the mercury pockets by the conveyors therein, and means for removing the material from said receptacle.

1,469,009. COUPLING. COLEMAN OVERSTREET, Kerto, Calif. Filed July 21, 1922. Serial No. 576,528. 6 Claims. (Cl. 285—149.)



1. A coupling means comprising, in combination with members that are to be connected end to end, male and female complementary parts and which parts are provided with complementary teeth, the teeth of one of the parts being interrupted to permit the rapid longitudinal insertion of the other part and to engage when the parts are rotated, and means for locking the parts in interlocked position to prevent rotation relatively, the male member having a stop dog engageable with a complementary stopping shoulder of the female part and having a spring latch to engage the female part.

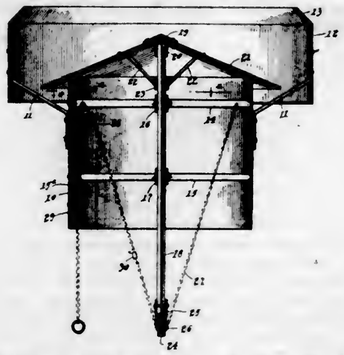
1,469,010. SOCK OR STOCKING PROTECTOR. FEDERICO PALADINO, Naples, Italy. Filed Oct. 21, 1920. Serial No. 418,474. 2 Claims. (Cl. 36—10.)



1. A sock or stocking protector adapted to be placed within a shoe and comprising a bottom portion shaped to conform to the bottom of the heel portion of a shoe, upwardly extending side and rear portions integral with the bottom portion and shaped to conform to the counter of the shoe, and outwardly bent flange portions on the side and rear portions adapted to engage with the top of the counter of the shoe to hold the protector properly positioned in the shoe.

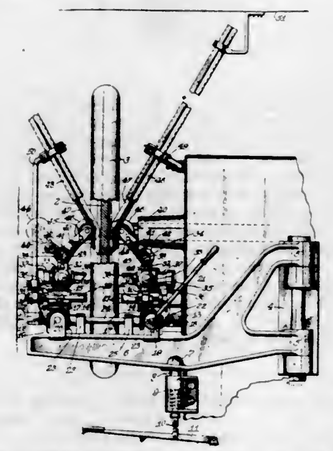
1,469,011. ADJUSTABLE VENTILATOR. GLENN P. HEATH, Aurora, Ill. Filed Apr. 1, 1921. Serial No. 457,767. 1 Claim. (Cl. 98—4.)

A ventilator comprising a cylindrical wall, upper and lower brackets extended across the interior of said wall, alining centrally disposed guide bosses on said brackets, a vertical bar reciprocable in said bosses and extended above said wall, said bar positioned axially with respect to said wall and having a portion below the lower boss, a hood suitably mounted upon the upper portion of said bar and of greater diameter than said wall; said hood providing the sole cover for said wall and movable with said bar to and away from the upper edge of said wall to close and open the same, a cylindrical shield spaced from the upper portion of said wall parallel therewith and concentric thereto and extended above the same, an inwardly extended inclined flange upon the upper portion of said shield above said wall the inner or shortest diameter thereof being greater than the diameter of said hood, a roller upon the lower end of said bar below the lower boss, a second roller mounted on said structure intermediate the ends of said vertical bar, a flexible operating element extended substantially from side to side of said



cylindrical wall and over said second roller, said flexible element having one end pendent and the opposite end secured in opposite relation to said second roller, an intermediate portion of said operating element engaged with the said first-mentioned roller, and means for releasably securing the pendent portion of said operating element whereby said hood may be adjusted to divers positions below said flange to provide circuitous drafts through said structure about the edges of said flange and hood and may be elevated above the top of said flange to permit direct drafts through said structure between the edges of said flange and hood.

1,469,012. BEADING AND TRIMMING DEVICE FOR TIRE-BUILDING MACHINES. WALTER H. HERMANN, Lancaster, Ohio, assignor to The Herman Tire Building Machine Company, Columbus, Ohio, a Corporation of Ohio. Filed Dec. 26, 1918. Serial No. 268,403. 4 Claims. (Cl. 154—10.)



1. The combination of a rotary core adapted to have a tire body fabricated thereon, an arm adapted to be swung in a horizontal plane to and from said core,

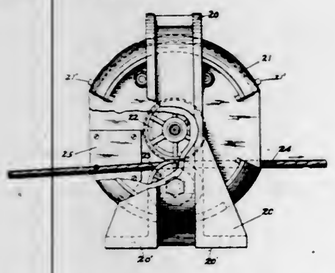
opposed uprights on said arm movable to and from each other, means connecting said uprights so that said uprights may be adjusted to and from each other in synchronism, opposed body trimming means carried by the upper ends of said uprights disposed in a horizontal plane and at an angle to the vertical plane of said core, and strip applying means carried by said uprights and disposed in a vertical plane.

1,469,013. POULTRY FEEDER. MARTIN R. JACOBUS, Ridgefield, N. J. Filed Nov. 13, 1920. Serial No. 423,820. 3 Claims. (Cl. 119—52.)



1. A poultry feeder, comprising two adjacent, normally non-communicating receptacles, including a forward or waste trough over which access is had to the other or feed receptacle, said trough being designed to receive the scattered feed taken from the feed receptacle, and a separating wall pivotally secured to the feeder, oscillatable about its upper edge which is displaced from the pivotal axis, whereby said wall may be rotated as a whole about the pivotal axis to assume a position outside of the feeder.

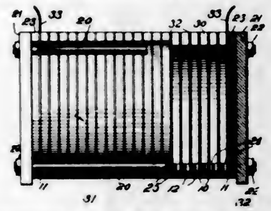
1,469,014. FAIR LEADER. VERNON F. JEWETT, Portland, Oreg. Filed Aug. 26, 1922. Serial No. 584,530. 6 Claims. (Cl. 254—190.)



1. In a fairleader, a ring member, the inner surface of said ring member fashioned to form a hollow zone having two bases, each of which is of less diameter than the central portion of said zone; means for supporting said ring member; a movable member having spherical surfaces adapted to fit movably within said ring member; a ropeway through said movable member at a point eccentric to the center of rotation of said movable member; plural sheave means for maintaining the relative position of a rope that shall pass through said ropeway with respect to said center of rotation whereby the said rope is maintained at a predetermined distance from said center of rotation to provide leverage for rotating the said movable member to a fairleading position under the influence of rope tension.

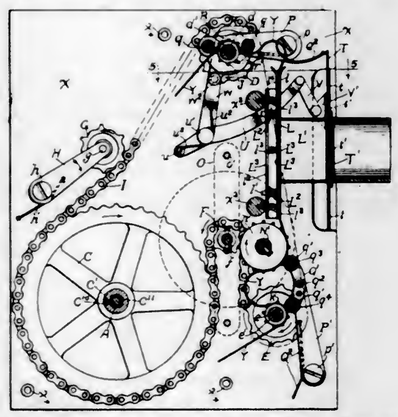
1,469,015. ELECTRIC BATTERY. LESTER L. JONES, New York, N. Y. Filed Apr. 1, 1921. Serial No. 457,692. 10 Claims. (Cl. 204—29.)

1. A storage battery, comprising a plurality of plates arranged flatwise to each other in spaced relation, the end plates being formed to serve as single element electrode plates and the intermediate plates being formed to serve as two-element electrode plates each having a surface layer on one side adapted to serve as a positive electrode and a surface layer on the other side adapted to serve as a negative electrode and an intermediate layer of conducting material impervious to the electrolyte providing a path for the flow of current between the electrode layers, and annular edge gaskets of insulating



material impervious to the electrolyte between edge portions of adjacent plates forming edge walls of electrolyte chambers between the plates and insulating the plates from each other, said gaskets completely enclosing the space between adjacent plates except for a filling opening at the top of each chamber and making tight joints with the plates impervious to the electrolyte, each gasket being formed at the top to provide a filling opening.

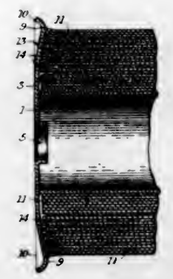
1,469,016. COMBINED CAMERA AND PROJECTOR MECHANISM FOR MOVING-PICTURE FILMS. MELBERT KING, Chicago, Ill., assignor of one-third to Charles Turner Brown, Chicago, Ill. Filed Aug. 22, 1919. Serial No. 319,140. 6 Claims. (Cl. 88—17.)



1. A moving picture camera, comprising a film chute, means for moving film through said chute, comprising a film sprocket, a cam secured to said film sprocket, means for driving said sprocket and cam, a lens tube support, a shutter guide between said lens tube support and said film chute, a shutter mounted to reciprocate in said guide, a lever for reciprocating said shutter, and means connected with said lever and detachably connected with said cam for oscillating said lever.

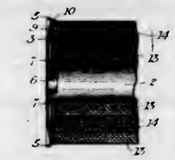
1,469,017. FILM CARTRIDGE. EDWIN F. KINGSBURY, Rutherford, N. J., assignor to Eastman Kodak Company, Rochester, N. Y., a Corporation of New York. Filed Jan. 21, 1921. Serial No. 438,888. 10 Claims. (Cl. 95—9.)

1. As an article of manufacture, a photographic film cartridge comprising a spool having a core and end flanges and flexible strip material including light sensitive material wound thereon, the flanges having continuous, light trapping means upon their inner surfaces at the margins thereof, cooperating with outer convolutions



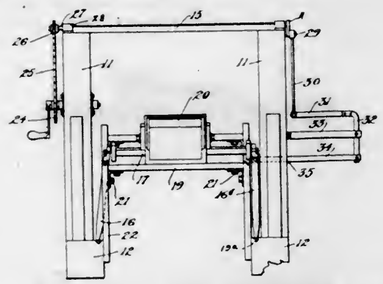
of the strip material wound on the spool to prevent the passage of light between the edges of such wound material and the flanges.

1,469,018. SPOOL FOR PHOTOGRAPHIC FILM CARTRIDGES. EDWIN F. KINGSBURY, Rutherford, N. J., assignor to Eastman Kodak Company, Rochester, N. Y., a Corporation of New York. Original application filed Jan. 21, 1921, Serial No. 438,888. Divided and this application filed Sept. 6, 1921. Serial No. 498,932. 8 Claims. (Cl. 242—71.)



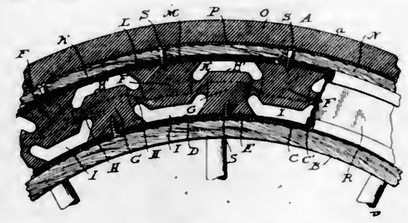
8. A spool for photographic film comprising a metal core and flanges of resilient sheet metal rigidly attached to the ends of said core, and forming a light-tight connection therewith, the flanges inclining gradually from said core to points adjacent the edges of the flanges to form continuous inwardly projecting rings and recurved to form rounded surfaces upon the outer sides of said rings.

1,469,019. CONCENTRATOR. DAVID F. PLATNER, San Diego, Calif. Filed July 25, 1922. Serial No. 577,275. 9 Claims. (Cl. 83—88.)



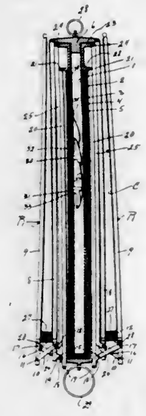
1. In a concentrator, a box, a lining therefor comprising side and end walls, a plurality of longitudinally extending rods carried by the lining, and transversely disposed riffles therein supported on the rods, the said aligning riffles and rods being removable as a unit from the box.

1,469,020. RESILIENT CHANNEL AND CUSHION TIRE. CLARENCE S. PRESTON, San Diego, Calif. Filed Mar. 12, 1923. Serial No. 624,485. 6 Claims. (Cl. 152—36.)



6. In a tire of the solid type an interior core of resilient material, provided with an inner and outer series of voids placed in staggered position to one another, said core being surrounded by an annular piece of rubber, to exclude dust, dirt and water from the voids, which is vulcanized to the inner and outer periphery of the core but left free on each side so that it will not interfere with the resiliency of the core in combination with its other parts.

1,469,021. UMBRELLA. FRANK J. PUGEL, Pueblo, Colo. Filed July 24, 1922. Serial No. 577,135. 10 Claims. (Cl. 135—25.)

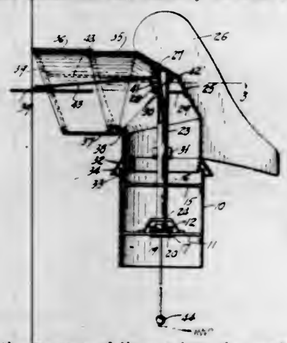


1. In combination with an umbrella having a stick comprising two telescoping sections, ribs pivotally engaged with the outer end portion of the inner section of the stick, each of said ribs comprising two sections, a link operatively connecting the inner ends of the sections of the rib and overlying said sections when extended, a second link operatively connecting the inner end portions of said sections, said second link being provided with an extension, a stretcher operatively engaged with the extension and with the upper end portion of the second section of the stick, and a second stretcher operatively engaged with the inner section of the rib and said upper portion of the second section of the stick.

1,469,022. VENTILATOR. JAMES K. ROBINSON, Little Rock, Ark. Filed Aug. 23, 1922. Serial No. 583,826. 2 Claims. (Cl. 98—8.)

1. In an induction rotatable cowl ventilator, an induction end comprising a main induction end and a false induction end applied to the main induction end and of greater size than said main induction end, the excess size

of the false induction end being disposed at the lower side of the main induction end whereby to form a pocket re-



straining the passage of liquors into the cowl, and drain openings formed in said false induction end at such pocket.

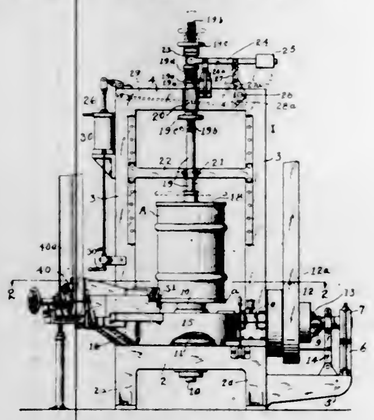
1,469,023. PROCESS FOR TREATING HORSEHAIR FABRICS. FERDINAND SCHOELLER, Opladen, near Cologne, Germany, assignor to Karl R. Paul, Frankenberg, Saxony, Germany. Filed Sept. 2, 1921. Serial No. 497,982. 6 Claims. (Cl. 91—68.) (Granted under the provisions of the act of Mar. 3, 1921, 41 Stat. L., 1313.)

1. The process for treating horse-hair fabrics, which consists in applying resin to the fabric.

4. The process for treating horse-har fabrics, which consists in applying resin to the fabric, then treating the fabric with an adhesive and drying.

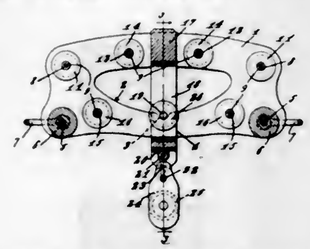
6. The process for treating horse-hair fabrics, which consists in treating the fabric with resin, then with a sulfite lye containing 50% glue, squeezing, treating with a 10% solution of alum and drying.

1,469,024. SEAMING MACHINE. ANTHONY SCHROEDER, Cleveland, Ohio, assignor of one-half to James Merle Finney, Cleveland, Ohio. Filed Apr. 12, 1920. Serial No. 373,040. 13 Claims. (Cl. 113—21.)



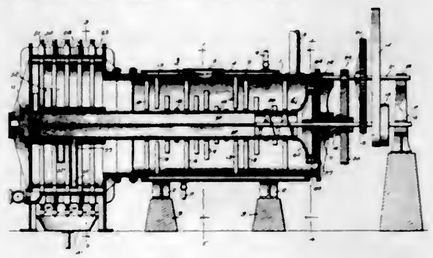
1. In apparatus of the class described, the combination with a support on which flanged barrel bodies and heads are adapted to rotate, of a pair of rolls each slidably mounted on said support and shaped to fold the flanges of the barrel bodies and heads relative to each other to form a seam or joint, pairs of toggle members for operating said rolls, and driven cams each engaging one member of each pair of toggle members for controlling the operation thereof.

1,469,025. LOG TROLLEY. BENJAMIN SHEPARD SPAULDING, Arcata, Calif. Filed Oct. 3, 1921. Serial No. 505,031. 2 Claims. (Cl. 212—94.)



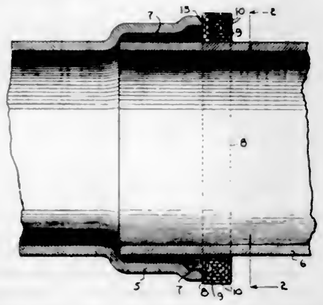
1. In a device of the class described, a trolley, sheaves journaled in the upper portion of the trolley; a slide mounted for reciprocation in the trolley and located between the sheaves; a sheave carried by the slide; interengaging elements on the slide and on the trolley, limiting the movment of the slide; and a pulley block carried by the slide.

1,469,026. FILTERING APPARATUS. JOHN C. SILVESTER, Philadelphia, Pa. Filed Jan. 13, 1921. Serial No. 437,000. 8 Claims. (Cl. 210—192.)



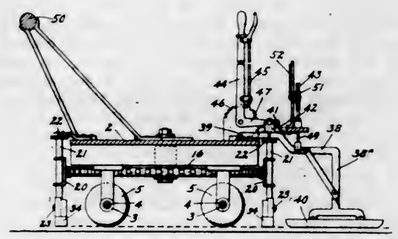
1. A filtering apparatus comprising a filtering chamber having an inlet, a plurality of filtering frames arranged transversely of said filtering chamber and spaced from each other, said chamber being provided with a longitudinally extending passage between said frames to permit flow of liquid into the spaces between said frames, means for collecting liquid passing through said frames, means for collecting solid material from said frames, and means cooperating with said solid material collecting means for returning solid material to said inlet.

1,469,027. LEAD-JOINT RUNNER. ROBERT L. STAUNTON, Salina, Kans. Filed Oct. 31, 1922. Serial No. 598,228. 8 Claims. (Cl. 22—118.)



1. A lead joint runner comprising a continuous rope or band having a metal point embedded in the rope or band at an intermediate point of its length, said point being adapted to pierce and hold overlapping portions of the rope or band after the latter has been wound around the pipe.

1,469,028. FLOOR-SURFACING MACHINE. JOSEPH W. STUBBLEFIELD, Los Angeles, Calif. Filed Dec. 22, 1922. Serial No. 608,490. 8 Claims. (Cl. 144—119.)



1. In a wooden floor surfacing machine, an endless belt mounted to traverse a substantially horizontal orbit, means for driving the belt, guide means carried by the belt, and scraping tools having shanks operatively mounted in said guide means.

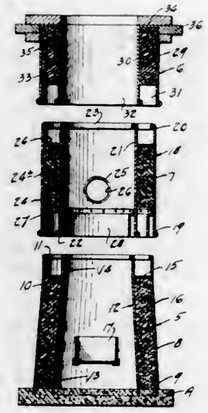
1,469,029. RUBBER GLOVE. GEORGE F. UNDERWOOD, London, and WILLIAM LUFFSMITH, Brighton, England, assignors to Plantation Rubber Manufacturing Company Limited, London, England. Filed Mar. 9, 1923. Serial No. 623,954. 3 Claims. (Cl. 2—9.)



1. A rubber glove including a plurality of outside sheets and an intermediate sheet of rubber, substantially coextensive in area, means securing the edges of the sheets together except at one end, whereby a wrist opening and an article receiving opening are formed, one of the outside sheets being perforated, and means rendering a portion of the glove adjacent the wrist opening less elastic than the remaining portions of the glove.

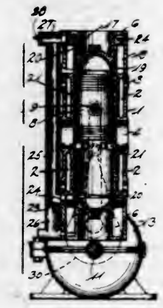
1,469,030. CHIMNEY. JOHN A. WATSON, Cincinnati, Ohio, assignor of one-half to Joseph H. Sheick, Cincinnati, Ohio. Filed May 24, 1922. Serial No. 563,337. 3 Claims. (Cl. 72—93.)

1. A chimney comprising a plurality of sections, each section embodying an inner and outer tubular wall, spacing means disposed between said walls, said means coacting with the walls to provide a compartment for



the reception of heat insulating means, the end portions of said sections telescopically engaging the end portions of the adjacent sections.

1,469,031. INTERNAL-COMBUSTION ENGINE. CHARLES L. AUSTIN, Jr., Brooklyn, N. Y. Filed May 16, 1917. Serial No. 168,930. 4 Claims. (Cl. 123—62.)

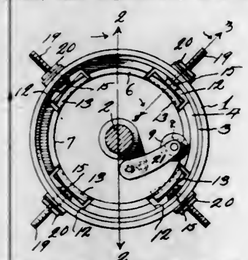


1. In an internal combustion engine, the combination comprising a double acting working cylinder, double acting preliminary compression cylinders near each end of the working cylinder, a transfer passage inter-connecting the head ends of said compression cylinders, a similar connection between the crank ends, and means for placing said compression cylinders in communication with the working cylinder.

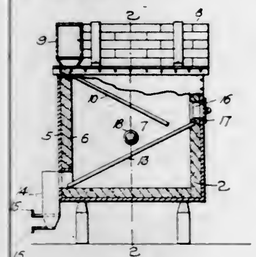
1,469,032. TIMER. EDWIN R. BARKER, South Bend, Ind. Filed Dec. 16, 1921. Serial No. 522,836. 4 Claims. (Cl. 200—26.)

1. A circuit maker and breaker comprising a casing having a conductor ring disposed therein, said ring being insulated from the casing, said ring having its inner face oppositely bevelled thereby forming raceways, a shaft disposed within the casing and adapted to be rotated, a spring actuated arm carried by said shaft, a contact roller carried by said arm and having a contact roller provided with conically shaped sides engaging the bevelled raceways of the conductor ring, said conductor ring at spaced intervals being provided with contact segments forming portions of the raceways at one side

thereof and supported in chambers and spaced from the walls thereof, said segmentally shaped contact segments conforming to the curvature of the raceways and being resiliently mounted for universal movement on springs.

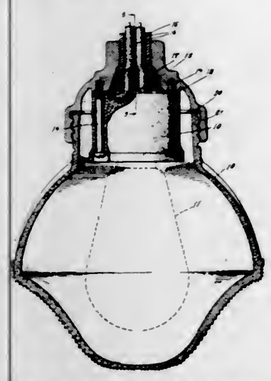


1,469,033. ELECTRIC FURNACE. WARREN F. BLEECKER, Boulder, Colo., assignor to The Tungsten Products Company, Boulder, Colo., a Corporation of Colorado. Filed July 8, 1920. Serial No. 394,629. 3 Claims. (Cl. 204—64.)



1. A reduction furnace comprising a closed chamber having a feed opening and a discharge-opening, a floor composed of carbon rods slanting downwardly beneath the feed opening, in communication with the discharge opening and an electric heating medium beneath the floor.

1,469,034. ELECTRIC-LIGHTING DEVICE. REUBEN B. BENJAMIN, Chicago, Ill., assignor to Benjam Electric Manufacturing Company, Chicago, Ill., a Corporation of Illinois. Filed Dec. 19, 1919. Serial No. 346,029. 3 Claims. (Cl. 240—26.)

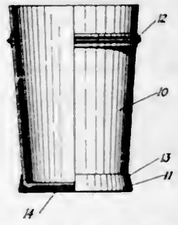


3. A lighting device comprising a lamp socket, a socket holder having a passage therethrough for the feed wires for said socket, a yielding gas-tight packing in said feed wire passage, and an annular member bearing on said yielding packing for forcing said packing into gas-tight contact with said feed wires and holder, said annular member forming a seat for said socket.

1,469,035. METHOD AND PROCESS OF PRODUCING FABRICATIONS IN IMITATION OF WOOD, IVORY, AND OTHER GRAINED OR FIGURED MATERIALS OR SUBSTANCES. GEORGE HARRY COX, Loughborough, England. Filed Feb. 19, 1921. Serial No. 446,476. 7 Claims. (Cl. 18—48.8.)

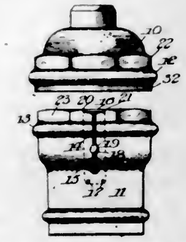
1. The herein described process for the production of imitation wood and other materials which consists in applying to the surface of a mould a thin coating of semi-opaque plastery composition having the desired degree of colouring, removing parts of said coating in lines and places to represent the graining or figuring of the material imitated, applying a second coating of composition different in tone from the first coating so as to cover the latter and also the surface of the mould where the first coating was removed, applying fine muslin fabric well brushing and pressing the same, then applying building up layers of perforated paper and plastery composition to obtain the thickness desired, allowing the whole to set and then lifting the same from the mould and effecting the drying thereof in a gentle heat.

1,469,036. DRINKING VESSEL. GEORGE F. DAVISON, La Salle, Ill., assignor of one-half to David Riordan, La Salle, Ill. Filed June 5, 1922. Serial No. 565,954. 1 Claim. (Cl. 40—11.)



The combination with a drinking vessel of brittle material, of a detachable display device at the bottom of said vessel, and common means for holding said display device in position and cushioning said vessel to prevent breakage, said common means comprising a member engaging said display device to hold it against the bottom of the vessel, and having a securing and cushioning flange of resilient material surrounding said vessel to hold said means in place on said vessel and protect the bottom of the vessel.

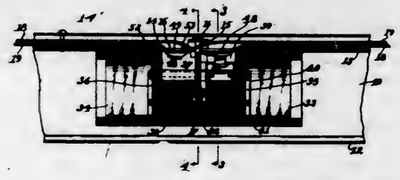
1,469,037. SOCKET AND SHELL CAP FASTENING. VICTOR R. DESPARD, Hinsdale, Ill., assignor, by mesne assignments, to McGill Manufacturing Company, Valparaiso, Ind., a Corporation of Indiana. Filed July 21, 1917. Serial No. 182,082. 7 Claims. (Cl. 173—362.)



1. In a structure of the character described the combination with two separable parts adapted when united

to form an enclosure, one of said parts being collapsible, of cam faced inter-engaging means on said parts adapted to be placed in engagement when one of said parts in collapsed condition is inserted in the other part, actuable means carried by one of said parts to normally prevent collapse of the collapsible part when the two parts are in their engaged condition, said collapsible part having a slot, an insulating base within said parts, and means carried by said base to prevent collapse of said collapsible part at said slot.

1,469,038. LAMP SOCKET. LEONARD ERIKSON, Malden, Mass. Filed June 5, 1920. Serial No. 386,767. 3 Claims. (Cl. 173—337.)

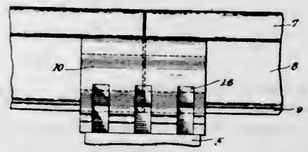


1. A show-case-reflector lamp-socket comprising in combination two blocks of insulating material, the juxtaposed inner ends of said blocks being provided respectively with an axial recess and a correspondingly shaped axial projection fitting into said recess, and with longitudinally extending aligned side recesses, the outer ends of each block having a chamber, a metallic tube for engaging the cylindrical surface of a lamp plug and a contact member for engaging the central terminal thereof in each said chamber, a bridge in each side recess, a screw passing through one block and having its head engaging the metallic tube in the chamber thereof and its end threaded to the bridge in the side recess of the other block, a screw passing through the second block and having its head engaging the metallic tube in the chamber thereof and its end threaded to said bridge, a screw passing through the first block and having its head engaging the contact member in the chamber thereof and its end threaded to the bridge in the side recess of said block, a screw passing through the second block and having its head engaging the contact member in the chamber thereof and its end threaded to the bridge in the side recess of the first block, and means for clamping said blocks together.

1,469,039. COMMUTATOR COMPOUND. JEREMIAH E. FISHER. New York, N. Y. Filed Jan. 10, 1922. Serial No. 528,255. 3 Claims. (Cl. 87—9.)

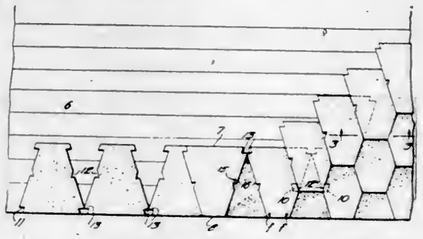
2. A spark preventing composition consisting of an oil having an asphalt base, an oil having a paraffine base, kerosene, and sufficient oil of wintergreen to promote diffusion.

1,469,040. RAIL JOINT. GOREGE GODULA, Wyoming, Pa. Filed Apr. 24, 1923. Serial No. 634,213. 2 Claims. (Cl. 238—193.)



1. A rail joint fastener comprising a pair of chair members disposed on opposite sides of abutting rails, said members completely surrounding the bases of the rails at the point of application, interengaging elements formed cooperatively with the adjacent edges of said chair members and disposed in the plane of the rail webs, a bolster plate on which said chair members rest, means at the ends of said plate for confining said chair members, and ribs on said bolster plate engaged in corresponding slots in the bases of said chair members.

1,469,041. ROOFING. HARRY L. GUY, Oak Park, Ill., assignor of one-half to Charles S. Purnell, Oak Park, Ill. Filed Apr. 18, 1923. Serial No. 632,819. 8 Claims. (Cl. 108—8.)

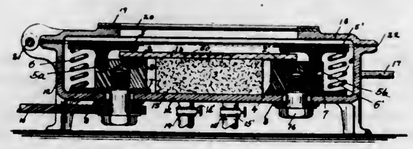


1. A roof comprising a plurality of horizontal courses of shingles arranged so that the shingles of successive courses partly overlie the shingles of the next lower course, each of said shingles being substantially keystone in shape and arranged with its smaller end lowermost and its upper corners contacting with the upper corners of the adjacent shingles, each of said shingles having two tabs, one extending laterally from the lower end of each vertical edge and lying beneath the vertical edges of adjacent shingles, the vertical edges of said shingles being provided with notches substantially midway of their length for receiving said tabs, and fastening means extending through said shingles above said notches, the fastening means of each course of shingles being covered by the next higher course of shingles.

1,469,042. DIFFERENTIAL FLOTATION OF ORES. GUSTAF AXEL HELLSTRAND, Butte, Mont. Filed June 22, 1922. Serial No. 570,231. 8 Claims. (Cl. 83—85.)

1. A process of concentrating by flotation an ore containing zinc sulfide and one or more other metallic sulfides, which comprises subjecting the ore to treatment with a soluble sulfide in amount, not exceeding about seven pounds per ton of ore, proportioned to effectively inhibit the flotation of zinc sulfide, and subjecting the so treated ore to a flotation operation in which the flotation of the zinc sulfide is in large part inhibited.

1,469,043. PROCESS FOR MAKING ELECTRICAL CONTACTS. CLEMENS A. LAISE, Weehawken, N. J., and ORVILLE C. HOLLOPETER, New York, N. Y., assignors to Independent Contact Manufacturing Co., a Corporation of New Jersey. Filed May 2, 1921. Serial No. 466,025. 21 Claims. (Cl. 219—10.)



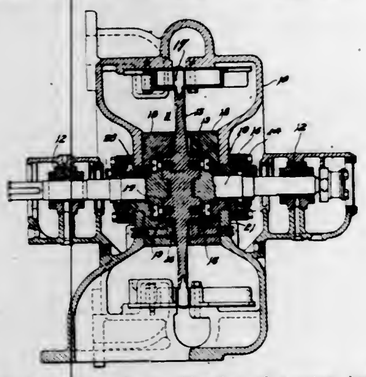
1. The herein described process which comprises providing a backing of a base metal and a face plate of refractory metal, introducing joining material containing refractory metal between said backing and plate, and

heating said backing and plate to a welding temperature through a combined holder and heating unit composed of dense nickel-chromium alloy in a non-explosive inert atmosphere.

1,469,044. TANNING HIDES. ARTHUR LÜTTRINGHAUS and LOUIS BLANGEY, Mannheim, Germany, assignors, by mesne assignments, to Badische Anilin & Soda Fabrik, Ludwigshafen-am-Rhine, Bavaria, Germany, a Corporation of the Grand Duchy of Baden. Filed Nov. 8, 1920. Serial No. 422,724. 5 Claims. (Cl. 149—5.)

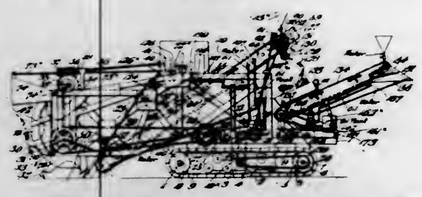
5. The process of tanning hides which consists in treating the hides with an aqueous solution of a sulfonated condensation product of a carbohydrate and an aromatic hydrocarbon and with a natural vegetable tan whilst maintaining a slightly acid condition.

1,469,045. ELASTIC FLUID TURBINE. JOHN ALEXANDER MACMURCHY, Ridley Park, Pa., assignor to Westinghouse Electric & Manufacturing Company, a Corporation of Pennsylvania. Filed Apr. 18, 1922. Serial No. 554,612. 13 Claims. (Cl. 253—39.)



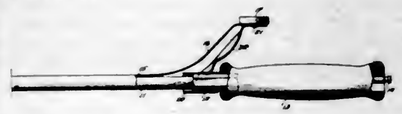
1. In a machine, the combination of a rotor, braking means for the rotor which is dependent upon deflection of the latter before a braking effect is developed and means for unbalancing the rotor upon over-speeding of the latter to a predetermined amount, whereby the rotor will deflect and the braking means will limit overspeeding thereof.

1,469,046. LOADING MACHINE. PATRICK J. MCDONALD, New Cumberland, Pa. Filed June 22, 1922. Serial No. 570,212. 22 Claims. (Cl. 37—12.)



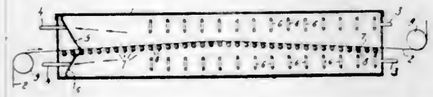
1. In a device of the character stated, a rotary shovel composed of serrated side plates and a body portion composed of transverse blades forming pointed teeth secured to said plates so as to provide pockets between said teeth, in combination with a conveyor apron located in the rear of said rotary shovel and adapted to receive the material thrown thereon from said shovel, and a compressor apron located above said conveyor apron and adapted to compress the material excavated by said shovel.

1,469,047. CURLING IRON. NELSON E. MANN, New Britain, Conn., assignor to Landers, Frary & Clark, New Britain, Conn., a Corporation of Connecticut. Filed Mar. 23, 1922. Serial No. 545,978. 7 Claims. (Cl. 132—37.)



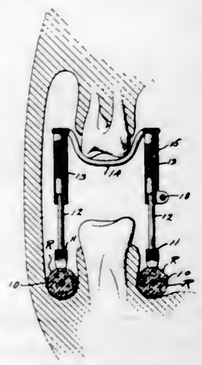
1. In a device of the class described, and in combination, a handle, a curler extending therefrom, a removable clip for the curler, a handle associated with said clip, a collar connected with the clip to embrace the curler, the wall of said collar having a portion cut away to provide an opening, and a spring carried by the clip handle to extend through said opening when the clip is assembled with the curler, thereby to releasably hold the clip and collar in position.

1,469,048. PAPER-DRYING MACHINE. CLARE NELSON, Brooklyn, N. Y., assignor, by mesne assignments, to Charles C. Orcutt, New York, N. Y. Filed June 3, 1921. Serial No. 474,655. 7 Claims. (Cl. 34—48.)



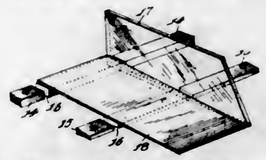
6. In a drying machine for webs of paper and the like, a dryer unit comprising a casing having passages at its ends for the entrance and exit of the web, heating means arranged above and below the web, means for circulating air through the casing at the opposite faces of the web to be heated by the heating means, and a support for the web comprising a series of rollers arranged alongside each other and free to turn with the web, said support being arched longitudinally of the casing for the purpose specified.

1,469,049. DENTAL ABSORBENT-ROLL HOLDER. SAMUEL NEWMAN, New York, N. Y. Filed Oct. 26, 1921. Serial No. 510,562. 9 Claims. (Cl. 32—10.)



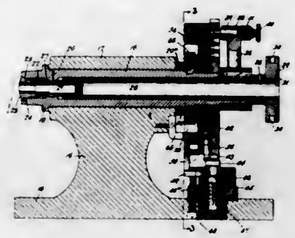
1. In a dental absorbent roll holder, a pair of roll holders arranged to hold the roll on either side of the gum, an abutment frame arranged to extend across the gum and to contact with the opposite jaw, and a yielding extensible connection between said abutment frame and each of said roll holders arranged to exert a vertical straight line pressure between each roll holder and the abutment frame.

1,469,050. SHOW CASE. HENRY E. PAUK, St. Louis, Mo. Filed June 26, 1922. Serial No. 570,763. 3 Claims. (Cl. 211—25.)



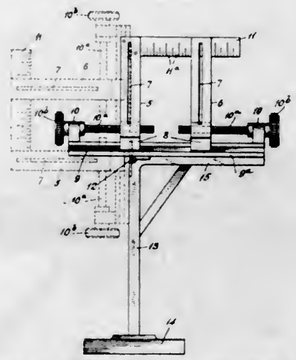
2. A show-case of the class described comprising a show-case housing, a plurality of rows of cleats located on the bottom, the ends being suitably spaced aart, one row of cleats being higher than the other, partitions inserted between the ends of said cleats and an auxiliary bottom placed between the several partitions providing an uninterrupted surface, the same being on an incline, substantially as specified.

1,469,051. DIVIDING HEAD. JOSEPH A. POITRAS, New York, N. Y. Filed Feb. 26, 1921. Serial No. 448,218. 7 Claims. (Cl. 90—57.)



1. A dividing head comprising rotatable means for supporting the work, actuating means for rotating said rotatable means in successive stages, each of which includes successive steps corresponding to predetermined divisions of the periphery of the work and means for adjusting the position of the work with respect to said actuating means to rotatably advance each successive stage with respect to the preceding one.

1,469,052. FLAME-MEASURING DEVICE. JAMES B. RATHER, Brooklyn, N. Y., assignor to Charles J. Tagliabue Manufacturing Co., Brooklyn, N. Y., a Corporation of New York. Filed Aug. 18, 1922. Serial No. 582,657. 7 Claims. (Cl. 33—174.)

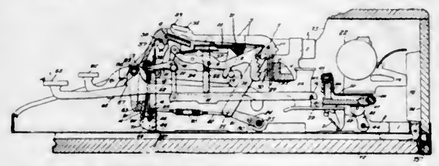


1. A device for measuring flames comprising a support, means adjustably mounted thereon and measuring elements movable relatively to each other on said means for measuring the width of a flame in one adjustment of said means and the height of a flame in another adjustment thereof.

1,469,053. MOTOR FUEL. WALTER T. SCHREIBER, Baltimore, Md., assignor to U. S. Industrial Alcohol Co., a Corporation of West Virginia. Filed May 8, 1919. Serial No. 295,695. 4 Claims. (Cl. 44—9.)

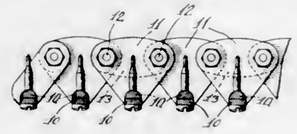
1. A fuel comprising a petroleum distillate, an alcohol and diethyl ketone.

1,469,054. TYPEWRITING MACHINE. CHARLES E. SMITH, Brooklyn, N. Y., assignor to Remington Typewriter Company, Ilion, N. Y., a Corporation of New York. Filed Feb. 21, 1922. Serial No. 538,267. 21 Claims. (Cl. 197—186.)



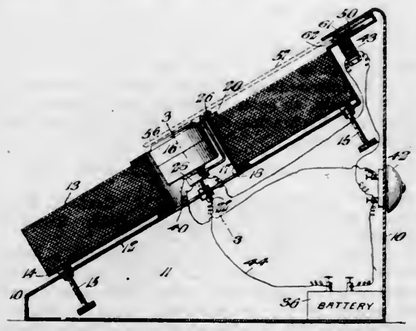
1. In a typewriting or like machine, the combination of a platen, printing instrumentalities, means for effecting a relative case shifting movement between the two, means for locking the shiftable part in its shifted position, means operable at will for releasing said locking means, and automatically operating means for releasing said locking means preliminary to inclosing the machine within its case.

1,469,055. SLICE CONVEYER FOR SLICING MACHINES. HENDRIK STUKART, Laporte, Ind., assignor to U. S. Slicing Machine Company, Laporte, Ind., a Corporation of Indiana. Filed June 26, 1922. Serial No. 570,971. 8 Claims. (Cl. 146—94.)



1. A conveyer comprising parallel bars extending transversely of the direction of travel thereof, said bars having integrally formed enlarged web-shaped portions at the ends thereof bent at right angles to the bars and forming links of a conveyer chain, and reinforcing means for said bars the points at which said bars are bent to form the integral connection with said links being at the lateral edges of said links to locate said bars in offset relation to the pivot line of said chain.

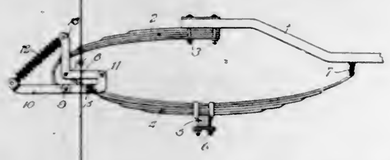
1,469,056. REMINDING DEVICE. GEORGE I. SULLIVAN, Philadelphia, Pa. Filed Oct. 18, 1922. Serial No. 595,244. 7 Claims. (Cl. 161—3.)



1. A reminding device comprising in combination a pad, a time-piece associated therewith, a signal, means con-

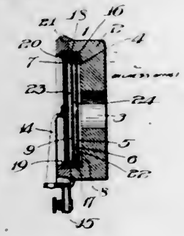
trolled by said time-piece for operating said signal at a predetermined time, and means operating automatically a predetermined time after said signal operating means to indicate said signal has functioned.

1,469,057. VEHICLE SPRING CONSTRUCTION. EMIL M. TOTZKE, St. Joseph, Mich. Filed June 24, 1921. Serial No. 480,002. 1 Claim. (Cl. 267—17.)



The combination of a vehicle body frame, an upper leaf spring secured thereto, a lower leaf spring having one end connected to said frame, an axle on which said lower member rests, levers pivoted between their ends on the adjacent ends of said springs, a pivotal connection between said levers, forming a knuckle joint 11 disposed above the lower leaf spring and projecting toward said axle, and a single coil spring disposed in the vertical plane of said leaf springs and stretched between the ends of said levers which project outwardly in opposite direction to sustain a tensile strain when a load weight is imposed on said frame, one lever forming an upwardly extending guide 13 in which said upper leaf spring is free to move up and down, but which guide forms no part of the pivotal connection thus provided from the end of one leaf spring to the other, and the other lever forming a guide 15 for the lower leaf spring.

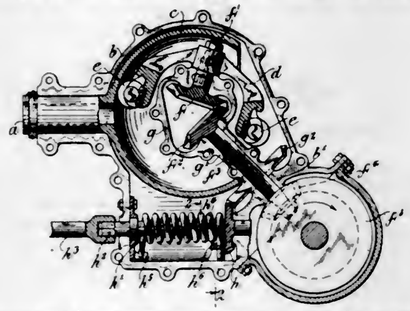
1,469,058. SOUND BOX. HENRY WALKER, Wilmington, Del., assignor of one-half to Frank F. Slocomb, Wilmington, Del. Filed May 5, 1923. Serial No. 636,832. 6 Claims. (Cl. 274—27.)



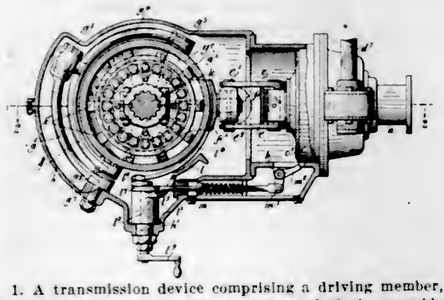
1. In a device of the character stated, a sound box body having a passage therethrough, an inner diaphragm having a narrow elongated cut near its periphery and subtantially conforming to the latter and forming a resilient tongue, an intermediate diaphragm having a shorter narrow cut therein, an outer diaphragm, and means for separating said diaphragms, so as to form resonance chambers therebetween.

1,469,059. TRANSMISSION DEVICE. CARL W. WEISS, New York, N. Y. Filed Sept. 13, 1922. Serial No. 587,896. 12 Claims. (Cl. 74—26.)

1. A power transmission device comprising a driving element, a driven element, one of said elements being capable of being changed in position with respect to the other element to vary the speed ratio of the two elements, a gear carried with the element capable of being changed in position, a second gear in mesh with the first and operatively connected with the part to be driven, a rotatable frame supporting the element capable of being changed in position and the first mentioned gear and permitting the first mentioned gear to roll upon the periphery of the second mentioned gear in response to variations in torque reactance, and means to oppose such rotation of the supporting frame.

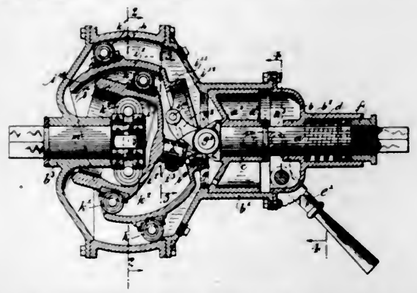


1,469,060. TRANSMISSION DEVICE. CARL W. WEISS, Brooklyn, N. Y. Filed Feb. 3, 1923. Serial No. 616,635. 17 Claims. (Cl. 74—14.)



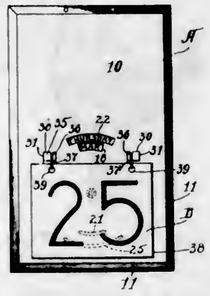
1. A transmission device comprising a driving member, a nutating element consisting of two relatively movable parts and having one part operatively connected to the driving member, and the other part having a spherical bearing surface, a driven member having gripping elements for co-action with the second-named part of the nutating element, and means to control the movement of the nutating element.

1,469,061. TRANSMISSION DEVICE. CARL W. WEISS, Brooklyn, N. Y. Filed Jan. 6, 1923. Serial No. 610,987. 6 Claims. (Cl. 74—14.)



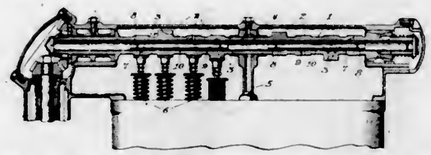
1. A transmission device comprising a driven member, two co-operating, oppositely disposed mutors, means to impart to both mutors movement of nutation in opposition, and means to impart the movement of rotation of the mutors to the driven member.

1,469,062. CALENDAR. PAUL H. WELCKER, St. Paul, Minn., assignor to Brown & Bigelow, St. Paul, Minn., a Corporation of Minnesota. Filed May 14, 1920. Serial No. 381,306. 5 Claims. (Cl. 40—119.)



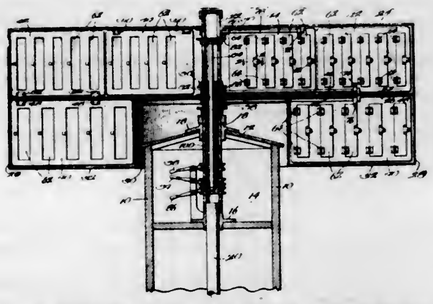
1. A calendar, including a body portion, a month day pad, including a series of sheets having numerals on either side thereof brackets for supporting said pad and rings for collectively and detachably holding said pad to said bracket on said body portion.

1,469,063. OIL-FEEDING MEANS. CHILDE HAROLD WILLS, Marysville, Mich. Filed Nov. 12, 1920. Serial No. 423,681. 8 Claims. (Cl. 184—6.)



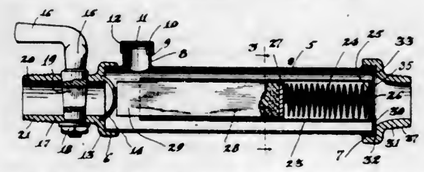
8. In a hydrocarbon motor, the combination of a hollow cam shaft, two series of cams thereon, means for admitting oil to said shaft between said two series of cams, a tube in said shaft at each side of said oil admitting opening having its ends extending beyond said cams and closely fitting the wall of the shaft and spaced from said wall intermediate said ends, said cams having ducts communicating with said space and leading to the exterior faces of the cams, and an oil restricting opening leading through said tube to said space.

1,469,064. WINDMILL. GOTTLIEB F. ZUCKER, Chicago, Ill. Filed Mar. 22, 1922. Serial No. 545,918. 18 Claims. (Cl. 170—30.)



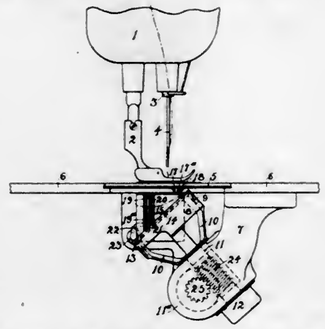
1. In mechanism of the class described, a rotatable vertical shaft, horizontal upper and lower planes fixed to the shaft, and a plurality of pairs of blades between the planes, the blades of each pair being respectively hinged to the planes with their hinge axes radial to the shaft.

1,469,065. FERTILIZER-SPRAYING DEVICE. HARRY J. D'ARCY, Los Angeles, Calif. Filed June 14, 1922. Serial No. 568,331. 3 Claims. (Cl. 299—83.)



1. A spraying device comprising, a casing, a magazine mounted within said casing adapted to receive a composition cartridge of soluble material, a valve fixed to one end of said casing, a reducer fixed to the other end of said casing, outlet means fixed within said reducer, means providing a clear space between said valve and said cartridge, yielding means within said magazine to feed said cartridge from said magazine to said casing, and a sight fixed in said casing adjacent the open end of said magazine.

1,469,066. ROTARY LOCK-STITCH SEWING MACHINE. FREDERICK JOHN TURNER BELL and HARDY CECIL BELL, Ashton-under-Lyne, England. Filed Dec. 9, 1921. Serial No. 521,139. 3 Claims. (Cl. 112—181.)



1. In rotary lock stitch mechanism for a sewing machine, a rotatable hook ring cut away at one point to form a loop taking hook, the axis of rotation of the said ring being inclined to the vertical, a race plate having a slight axial motion and supported within the rotatable hook ring for which the race plate periphery forms a bearing, a needle gap in said race plate, means for limiting the axial motion of said race plate, and an underthread bobbin casing supported by the race plate, the longitudinal axis of said bobbin casing being vertical and the highest point in the path of rotation of the inclined hook ring being approximately level with the upper edge of the vertical bobbin casing, and means for rotating the hook ring.

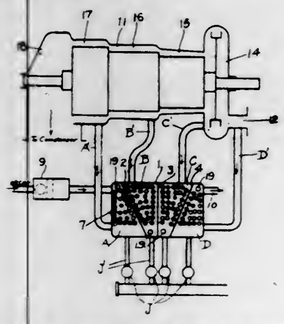
1,469,067. CONTAINER TOP. FREDERICK COATES, Cincinnati, Ohio, assignor to Federal Products Company, Cincinnati, Ohio, a Corporation of Ohio. Filed Apr. 27, 1921. Serial No. 464,833. 1 Claim. (Cl. 229—5.5.)



A paper container top consisting of a flat central disk like portion provided with an upstanding peripheral portion of inverted U-shape, the inner leg of said U being

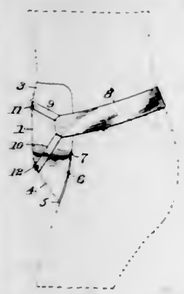
perpendicular to the disk like portion and the outer leg flaring downwardly and outwardly from the inner leg, the inner surface of said channel being coated throughout with adhesive; in combination with a cylindrical container closed at one end and open at the other, said cap being fitted in the open end of said container with the inner leg projecting downwardly therein, the container having a mouth fitting closely on said inner leg of the peripheral portion and thereby forcing excess adhesive upwardly on said inner leg, said cap having the outer leg of said peripheral portion initially flaring outwardly from the container and being pressed against the container from above downwardly thereby expelling excess adhesive downwardly from between said outer leg and cap.

1,469,068. FEED-WATER HEATER. RAYMOND N. EHRHART, Edgewood, Pa. Filed Sept. 18, 1918, Serial No. 254,661. Renewed May 23, 1922. Serial No. 563,202. 8 Claims. (Cl. 257—24.)



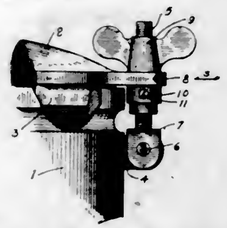
1. A feed water heater comprising a plurality of triangular heating chambers, each having an inlet through which heating fluid is supplied to the chambers, and each receiving fluid having a different temperature, and a feed water passage extending serially through the heating chambers, including a series of parallel tubes arranged in each compartment in diminishing nu ber from the heating fluid inlet, through which tubes the feed water is adapted to be circulated.

1,469,069. ABDOMINAL SUPPORTER. ABRAHAM J. FREEDENBERG, New York, N. Y. Filed Oct. 22, 1921. Serial No. 509,513. 1 Claim. (Cl. 128—96.)



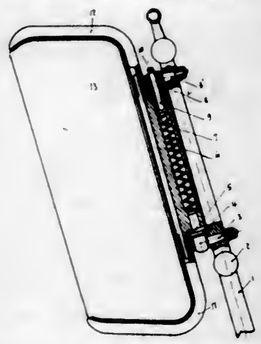
An abdominal shield and supporter comprising a rigid plate formed to accurately fit the contour of the wearer's abdomen, said plate having an upper shield portion, and a lower portion to extend under the abdomen for supporting the same as on a shelf, and means for securing the plate in position on the wearer including a downwardly pointing hook on said lower shelf-like portion of the plate, and a strap extending from above and engaging said hook.

1,469,070. SAFETY ADJUSTING MEANS FOR PRESSURE-COOKER LOCKS. JOSEPH H. JACOBS, Denver, Colo. Filed Jan. 18, 1923. Serial No. 613,415. 2 Claims. (Cl. 53—1.)



1. In a pressure cooker, the combination comprising a pot; a cover adapted to be secured to said pot with a steam tight fit; means for clamping the cover to the pot, comprising a number of bolts secured to the pot; lugs on the cover provided with slots for the reception of said bolts; nuts on the bolts engaging the top of the lugs on the cover and stop nuts on each bolt adapted to engage the lower surface of the lugs and limit the downward movement of the cover to a predetermined amount.

1,469,071. WIND SCREEN FOR MOTOR VEHICLES. RINO COLOMBINO, Turin, Italy. Filed Aug. 7, 1922. Serial No. 580,180. 1 Claim. (Cl. 296—84.)

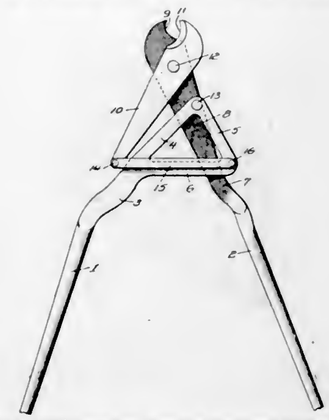


The combination with a wind screen for motor cars, of side wings for the screen, each comprising a tubular intermediate hinge piece, a glass supporting frame detachably secured to one end of the hinge piece, a glass supporting frame fixed to the other end of said piece, sockets secured to the upright member of the wind screen at opposite ends of the hinge piece, an internally threaded tubular pin mounted in and connecting one end of the hinge piece with one of the sockets, a serrated clutch face on the other socket, a connecting pin slidably mounted in the other end of the hinge piece and having a serrated clutch portion cooperating with the clutch face on the socket, a spiral spring mounted on the hinge piece between the connecting pins, and a screw in the tubular pin adapted to adjust the tension of the spring.

1,469,072. CLIPPER. WALTER L. DODSON, Edna, Tex. Filed Aug. 10, 1922. Serial No. 580,961. 3 Claims. (Cl. 128—308.)

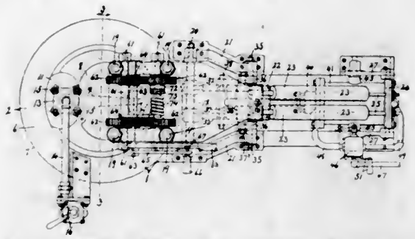
1. A clipping tool comprising a pair of jaw shanks pivotally connected together and each provided with a jaw on its outer edge, a triangular shaped head pivotally connected to one of said jaw shanks at a point inwardly of and to one side of the pivot between the jaw shanks, a lever arm pivoted to said head inwardly and to one side with respect to the pivot of said head, means for pivotally

connecting the other end of said lever arm to the other of the jaw shanks at one side of the pivot between said



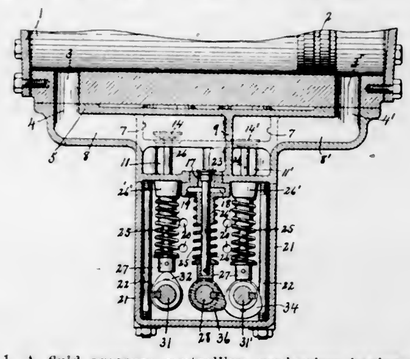
shanks, a handle member carrying that jaw shank to which the head is pivoted, and a handle member carrying said head.

1,469,073. DIECASTING MACHINE. EDGAR N. DOLLIN, Syracuse, N. Y. Filed June 29, 1921. Serial No. 481,254. 12 Claims. (Cl. 22—69.)



1. In a casting machine of the character described, the combination with a delivery nozzle for the molten metal, a die supporting carriage pivoted to swing to and from said nozzle and means including a spring adapted to be placed under tension during the closing movement of the carriage to exert its power in assisting the opening movement of the carriage.

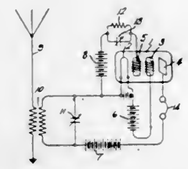
1,469,074. FLUID-PRESSURE-CONTROL MECHANISM. EDGAR N. DOLLIN, Syracuse, N. Y. Filed Apr. 15, 1920. Serial No. 374,222. 11 Claims. (Cl. 121—38.)



1. A fluid pressure controlling mechanism having an intake port, an exit port and separate service ports, means

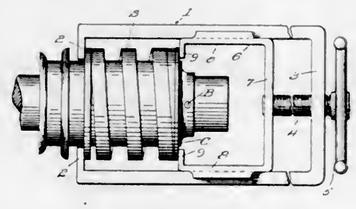
for maintaining unequal pressures above atmospheric pressure at the intake and exit ports, respectively, a valve controlling communication between the intake port and one of the service ports, a separate valve controlling communication between the other service port and exit port, and means adjustable to a certain position for simultaneously opening both valves.

1,469,075. ELECTRON-DISCHARGE APPARATUS. HARRY E. DUNHAM, Schenectady, N. Y., assignor to General Electric Company, a Corporation of New York. Filed Mar. 23, 1921. Serial No. 454,829. 8 Claims. (Cl. 250—8.)



1. Means for detecting high frequency signaling currents comprising an electron discharge device having an electron emitting cathode, an anode, and a third electrode, means for impressing a constant positive potential upon the anode and means for impressing a smaller positive potential upon the third electrode, the potentials of said electrodes being so chosen that secondary electrons will be given off from the third electrode and the normal operating potential of the third electrode being of such a value that an increase thereof will cause a decrease in the number of secondary electrons which will be given off from the third electrode.

1,469,076. SPRING COMPRESSOR. HAROLD FABER, Mount Pleasant, Mich. Filed Nov. 7, 1921. Serial No. 513,308. 3 Claims. (Cl. 29—87.1.)

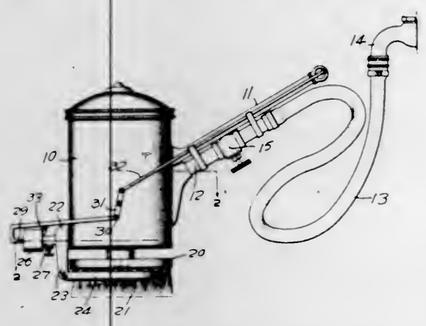


1. A spring compressor for installing a clutch spring in the clutch assembly of a Ford automobile, comprising two nested and oppositely slidable yokes with respective terminal spring-engaging fingers at opposite ends, with means for compressing the spring from the opposite ends, one yoke being slidable in the other yoke.

1,469,077. SCRUBBING DEVICE. GARFIELD FOSTER, Fairfield, Ala. Filed June 13, 1921. Serial No. 477,210. 2 Claims. (Cl. 15—50.)

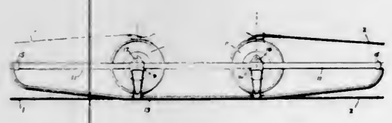
1. A scrubbing device comprising a housing, a water wheel journaled to rotate within the housing, a tubular member communicating with the housing and providing means for flexible attachment with a source of water under pressure, a brush carried by and rotating with the water wheel without the housing, a conduit communicating with the housing opposite the tubular inlet and

discharging adjacent the periphery of the brush, a detergent container communicating with the conduit, and



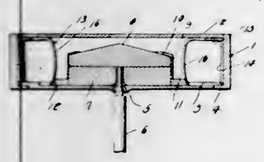
manually-controlled means extending along the tubular member for controlling the flow of detergent from the container to the conduit.

1,469,078. SECTION INSULATOR. KARL FRITSCH, Murnau, Germany, assignor to General Electric Company, a Corporation of New York. Filed Feb. 20, 1923. Serial No. 620,275. 4 Claims. (Cl. 191—39.)



1. A section insulator comprising two side beams, runner tracks supported beneath said beams, and two insulators held in spaced relation between said beams and adapted to receive about them the respective ends of the trolley wire.

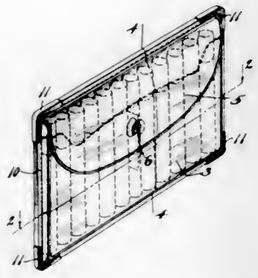
1,469,079. FLOATING JEWEL BEARING. KENNETH B. GLENN, Ambridge, Pa. Filed Aug. 10, 1922. Serial No. 580,912. 9 Claims. (Cl. 58—140.)



1. A floating jewel bearing comprising a body, a jewel supporting casing in said body, a ring carried by said body, tension means formed integrally with the ring and contacting with and yieldably supporting the casing.

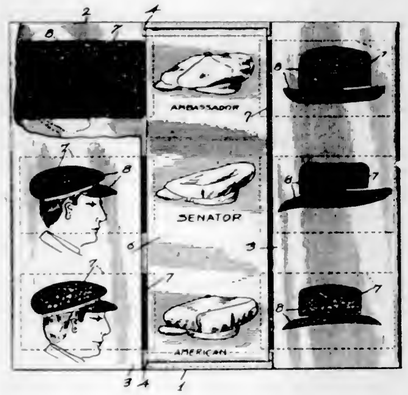
1,469,080. POCKET CASE FOR CIGARETTES, CIGARS, OR THE LIKE. JACOB GOERK, Irvington, N. J. Filed Aug. 11, 1922. Serial No. 581,254. 3 Claims. (Cl. 206—41.)

1. As an article of manufacture, a pocket case comprising a flat central stiffening wall, a pocket arranged at each side thereof and attached thereto at its peripheral edges, and flap closures for said pockets, the sides and



flaps being connected with the wall by a stitching about the periphery of the case.

1,469,081. SAMPLE CARD. CHARLES H. GOLDMAN, San Francisco, Calif. Filed May 22, 1922. Serial No. 562,817. 4 Claims. (Cl. 35—17.)

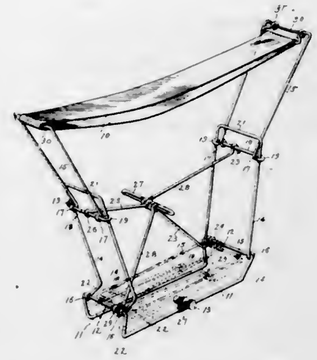


1. A sample folder comprising a body portion; a side portion foldable upon the body portion; a wing foldable upon said side portion, said wing portion having a plurality of apertures shaped therein to represent an article of merchandise; a fashion card adapted for detachable mounting upon the body portion of the folder; a plurality of samples of material secured upon said card and arranged to normally lie between the side portion and the wing, said samples being observable through the apertures in said wing to simulate the appearance of an article fashioned from the material of the sample.

1,469,082. HEADREST. FRANCIS CADWALADER HALL, Washington, D. C. Filed Sept. 13, 1922. Serial No. 587,948. 6 Claims. (Cl. 155—174.)

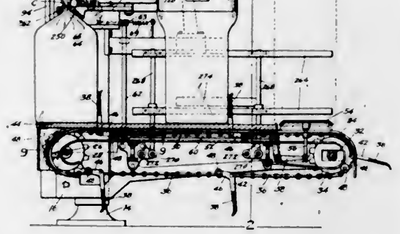
1. A head rest comprising a head receiving member and a foldable framework comprising a base and arms pivoted to the base, each arm being of members that are pivoted together, the head-receiving member being attached to and extending between the arms at the upper

ends thereof and being separable from at least one of such arms, the pivotal connection between the members



of each arm permitting folding movement of one arm member upon the other when the head-receiving member is detached from at least one of the arms.

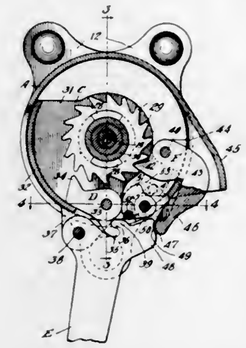
1,469,083. SACK-CLOSING MACHINE. HENRY O'B. HARDING and JAMES JESSEN, Minneapolis, Minn.; said Jessen assignor to said Harding. Filed May 11, 1922. Serial No. 560,044. 15 Claims. (Cl. 225—56.)



1. A machine for operating upon sacks comprising a conveyor, means for automatically stopping said conveyor when a sack thereon is in predetermined position, and means for pulling the mouth of the sack from opposite sides when the latter is in said position to cause said sack mouth to be flattened and elongated in the direction of travel of the sack.

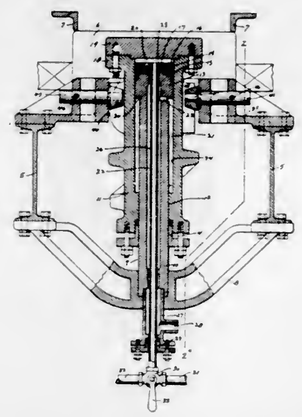
1,469,084. HAND BRAKE FOR RAILWAY CARS. STACY B. HASELTINE, Chicago, Ill., assignor to William H. Miner, Chazy, N. Y. Filed May 8, 1922. Serial No. 559,167. 8 Claims. (Cl. 74—116.)

1. In a hand brake for cars and the like, the combination with a rotatable member; of a ratchet wheel rotatable in unison therewith; a carrier oscillatably mounted with respect to said wheel; a pawl pivotally mounted on said carrier and cooperable with said ratchet wheel; an operating handle mounted on said carrier for movement relative thereto and cooperable with said pawl to move it



to operative position; and locking means for preventing rotation of said member accidentally in an unwinding direction.

1,469,085. TURNTABLE. CHARLES W. HAWTHORNE and GEORGE J. RENNIE, Buffalo, N. Y. Filed Mar. 12, 1920. Serial No. 365,170. 7 Claims. (Cl. 80—48.)

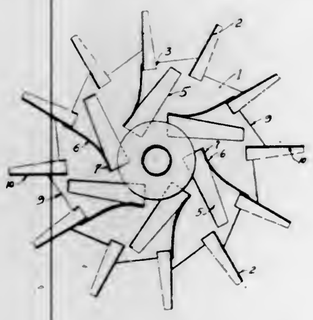


7. A turn table comprising a vertically supported plunger, a head for the plunger, a cylinder supported by the plunger, a bed carried by the cylinder, thus forming a chamber above the plunger head and also a chamber below the plunger head of less cross-sectional area than the upper chamber, means for conducting fluid under pressure to the chambers, a bearing yoke for the cylinder, rollers carried by the yoke, cams formed on the cylinder and engageable with the rollers, whereby the cylinder is rotated as it is being raised and lowered.

1,469,086. CENTRIFUGAL FAN AND METHOD OF MAKING THE SAME. NELSON H. HENDERSON, Syracuse, N. Y. Filed July 15, 1921. Serial No. 485,127. 7 Claims. (Cl. 230—11.)

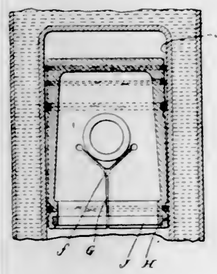
1. A sheet metal fan having a discoidal body formed with oblong slots inclined relatively to radii of the body and terminating short of the periphery of the body, and integral blades arranged edgewise relatively to the body

and out of alinement with the slots, said blades being formed by the portions displaced to form the slots, the slots separating the blades from the body along the ends,



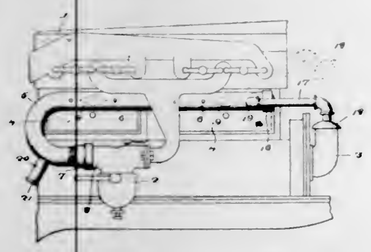
one long side and part way along the other long side from the outer end of such blades toward their inner ends, substantially as and for the purpose described.

1,469,087. INTERNAL-COMBUSTION ENGINE. EDWARD R. HEWITT, Midvale, N. J. Filed May 2, 1918. Serial No. 232,014. 14 Claims. (Cl. 74—108.)



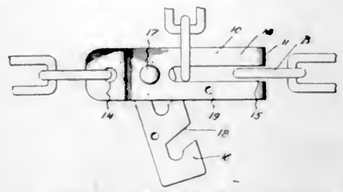
14. A piston for an internal combustion engine, comprising head and skirt portions, and having in said skirt portions slots which have oppositely oblique parts.

1,469,088. VAPOR-UTILIZING DEVICE. JAMES A. HOUSER, Marion, Ind. Filed Nov. 7, 1921. Serial No. 513,560. 3 Claims. (Cl. 123—119.)



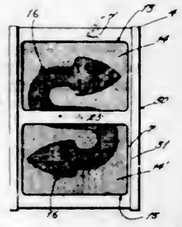
1. In combination with an internal combustion motor and its carburetor, a pipe connected with the carburetor and a pipe pivotally connected with the first mentioned pipe and having a cap at its other end for closing the breather tube of the crank case.

1,469,089. CHAIN FASTENER. THOMAS A. JOHNSON, Manning, N. Dak. Filed Sept. 27, 1921. Serial No. 503,487. 1 Claim. (Cl. 24—241.)



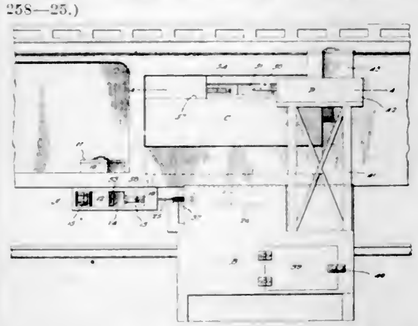
A chain fastener consisting of an elongated member formed of a single strip of resilient material bent into elongated loop shape and having its ends brought together to define attaching ears, said ears being formed with registering holes, the other end of said body being formed with a longitudinal slot intersecting the opening between the sides of the body for the reception of the securing link of a chain, and a locking member of solid plate like form located within said body and having one end pivoted at a point adjacent said ears, said locking member being formed with an angular slot adapted to receive said securing link of the chain.

1,469,090. VEHICLE DIRECTION INDICATOR. CARL R. KRONE, Oakland, Calif. Filed Sept. 21, 1920. Serial No. 411,753. 4 Claims. (Cl. 177—327.)



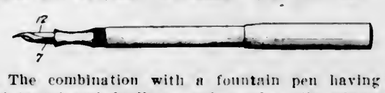
4. A vehicle indicator comprising a casing having a wall and means outlining a substantially S-shaped character in said wall with its terminals substantially parallel and pointing in opposite directions, and means for independently or simultaneously illuminating halves of said character, each half including all of one of said terminals.

1,469,091. MAIL-BAG CATCHING AND DELIVERY APPARATUS. JOHN M. KERR, Louisville, Ky., assignor of one-half to Joseph Wernert. Filed June 27, 1921. Serial No. 480,736. 7 Claims. (Cl. 258—25.)



1. An apparatus of the class described embodying a car delivery device, said device comprising a pocket located upon the outside of the car, a hopper communicating with the interior of the pocket, a horizontally movable pivoted ejecting frame movable out of and into the pocket and means whereby the ejecting frame may be operated.

1,469,092. ATTACHMENT FOR FOUNTAIN PENS. EMIL LEESER, Chicago, Ill. Filed June 10, 1921. Serial No. 476,412. 4 Claims. (Cl. 120—42.)



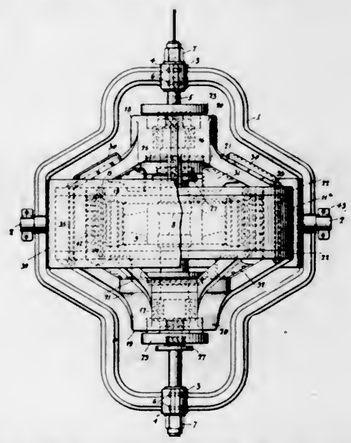
1. The combination with a fountain pen having the usual barrel and feeding member, of a clip adapted to engage with the pen and said feeding member, said clip having a forwardly extending projection adapted to bear against the nibs of the pen, the clip being slidably mounted and adapted to be adjusted longitudinally with respect to the pen.

1,469,093. PUNCH. FREDERIC L. MACALEESE, Milwaukee, Wis. Filed May 13, 1921. Serial No. 469,093. 11 Claims. (Cl. 164—87.)



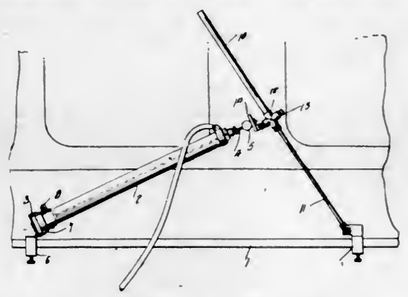
1. A traveling punch for punching a series of perforations in a sheet of material, comprising a carriage adapted to travel continuously across said sheet, an auxiliary carriage carried thereby, a punch reciprocated within said auxiliary carriage, and means for reciprocating said auxiliary carriage, whereby said punch may be intermittently free from longitudinal motion.

1,469,094. ELECTRIC GYROSTAT. ALEXANDER H. MCCOMISKEY, Jr., New Orleans, La. Filed Oct. 24, 1921. Serial No. 509,876. 7 Claims. (Cl. 74—78.)



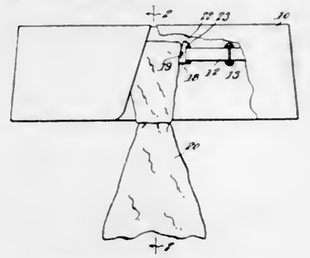
1. In a gyrostat, a frame oscillatably mounted, a shaft fixedly secured to said frame in a plane perpendicular to its axis of oscillation, the divided parts of said frame being each provided at their ends with complementary half sockets, a shaft, means for clamping said shaft at its opposite ends within said half sockets and an electrically operated fly-wheel for said gyrostat journalled on said shaft.

1,469,095. TIRE-PUMP-OPERATING MEANS AND RUNNING-BOARD-CONNECTING MEANS. THOMAS A. W. MCCURDY, Clark, S. Dak. Filed Nov. 10, 1922. Serial No. 600,130. 2 Claims. (Cl. 230—27.)



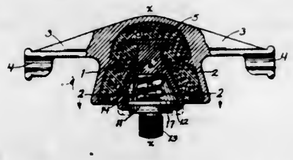
1. In combination with a tire pump, an operating lever therefor comprising members having a telescopic arrangement, a fitting coupled to one of the members, means carried by the fitting and adapted to secure the telescoping member in adjusted position, and a plate pivoted to said fitting and adapted to have the handle of the pump connected thereto.

1,469,096. TIE HOLDER. WILLIAM MCMEANS, Scranton, Pa. Filed July 31, 1922. Serial No. 578,715. 5 Claims. (Cl. 24—52.)



1. A tie holder comprising a pair of elastic tapes, means for adjusting the lengths of the tapes, means secured to one end of each of the tapes for removable engagement with a collar and a combined tie holding and tape coupling means located at the opposite ends of the tapes.

1,469,097. SUPPORTING DEVICE. SAMUEL S. MATTHES, Mansfield, Ohio, assignor to The Ohio Brass Company, Mansfield, Ohio, a Corporation of New Jersey. Filed Feb. 9, 1923. Serial No. 618,022. 17 Claims. (Cl. 191—42.)



1. An article of manufacture comprising a body member provided with means to secure the body to a support, a cavity within said body member, electrical insulation embedded within the cavity, and a supporting mechanism embedded in the insulation, but electrically separated from the body member, the supporting mecha-

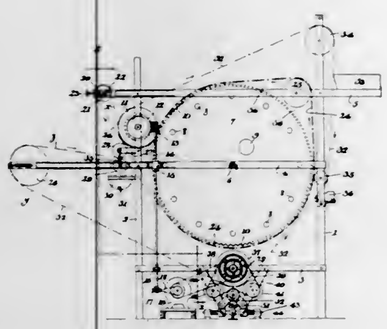
nism comprising a member provided with means to secure it within the insulation and provided with a cavity, a member rotatably mounted in the cavity and having supporting means projecting therefrom, and a resilient member interposed between the rotatable member and the interior wall of the cavity to maintain the rotatable member in yielding relation to the other parts as and for the purpose described.

1,469,098. CONDUCTOR SUPPORT. SAMUEL S. MATTHES, Mansfield, Ohio, assignor to The Ohio Brass Company, Mansfield, Ohio, a Corporation of New Jersey. Filed May 28, 1923. Serial No. 641,915. 8 Claims. (Cl. 191—40.)



2. A conductor support comprising a yoke member and a clevis member secured together, the clevis member provided with oppositely projecting arms having a clevis at the extreme end of each arm and means to secure the clevis to a hanger, the yoke member provided with spaced members to be positioned one in each clevis, and having means to receive and grip a conductor, and means securing the yoke and clevis members together.

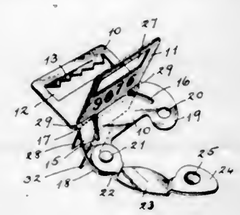
1,469,099. FERROTYPING, POLISHING, AND DRYING APPARATUS. ALVIN LOUIS MAYER, New York, N. Y. Filed Sept. 7, 1922. Serial No. 586,767. 35 Claims. (Cl. 95—1.)



1. An apparatus for use in ferro-typing which comprises a frame, an internally heated drum revolubly mounted therein, an endless metal belt, an endless canvas belt, means for driving both of said belts about the drum, and means for polishing said metal belt.

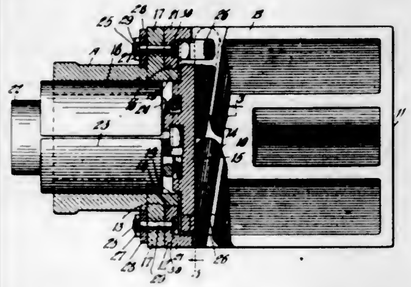
1,469,100. IDENTIFICATION TAG. CHARLES F. MITCHELL and CHARLES R. BOESCHE, Baltimore, Md. Filed Apr. 4, 1922. Serial No. 549,400. 2 Claims. (Cl. 40—23.)

1. In an identification tag the combination with a clamping plate having a cross-slot with a slit in the plate at each end of the slot whereby the metal of the plate bounded by the slot and the two slits may be temporarily bent to one side, of a second clamping plate having one end thereof inserted through the slot of the first-named plate and pivotally retained therein by the



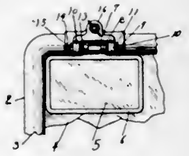
metal of the said first-named plate that is bounded by said slot and slits whereby to form a clamp and means to hold the two plates clamped.

1,469,101. FRICTION SHELL AND SPRING CAGE FOR DRAFT GEARS. JOHN F. O'CONNOR, Chicago, Ill., assignor to William H. Miner, Chazy, N. Y. Filed Dec. 14, 1922. Serial No. 606,928. 4 Claims. (Cl. 213—32.)



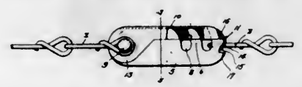
1. In combination; a friction shell having outwardly extended flanges at one end thereof; a spring cage having flanges at one end thereof and over which the shell flanges are adapted to lie; securing bolts extending through the flanges and having the ends on the inner sides of the cage flanges recessed therewithin; and lock plates cooperable with the outer ends of said bolts.

1,469,102. PROTECTIVE SHIELD FOR AUTOMOBILE DRIVERS. WALTER OLCOTT, South Manchester, Conn. Filed Dec. 5, 1922. Serial No. 605,015. 1 Claim. (Cl. 296—97.)



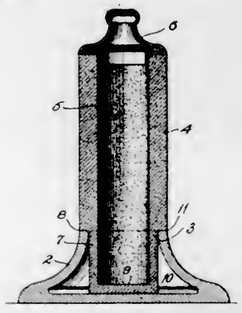
A light shield for an automobile, comprising a translucent sheet, a surrounding frame, said frame having an upstanding lug, conical members fitted in the ends of the lug, a yoke between which the lug is fitted, threaded members through the branches of the yoke and in connection with said conical members, a clamp to be attached to the frame of the windshield of an automobile, and a bolt extending through said yoke, furnished with means for clamping the same.

1,469,103. SKID-CHAIN FASTENER. JOSEPH OPPMAN, Connellsville, Pa., assignor of one-half to Abe Isadore Daniels, Connellsville, Pa. Filed June 24, 1921. Serial No. 480,028. 2 Claims. (Cl. 24—241.)



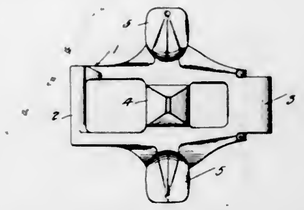
1. A fastener of the class described comprising a body member having a link receiving seat with a nose arranged in advance thereof, and a locking member pivotally mounted on said body and having a spring hook to snap down over and interlockingly engage said nose to hold the locking member against accidental opening, said hook having an out-turned lip at its free end and means on the body member for housing said lip, to prevent its accidental engagement with extraneous objects.

1,469,104. HUMIDOR. ROBERT ORNDUFF, Carthage, Mo. Filed Dec. 15, 1919. Serial No. 345,099. 6 Claims. (Cl. 131—30.)



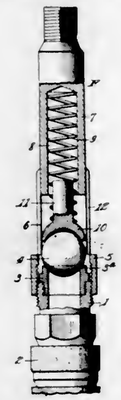
6. A humidifier comprising a liquid-holding container and a detachable porous rigid mass having a portion thereof projecting into the said container and into the liquid therein and another portion thereof projecting above the said container, the said rigid mass being adapted to close the said container and to absorb the liquid and supply moisture to the atmosphere surrounding the container.

1,469,105. TRACTION DEVICE. CHARLES PARENT, Denver, Colo. Filed Nov. 14, 1922. Serial No. 600,892. 1 Claim. (Cl. 152—14.)



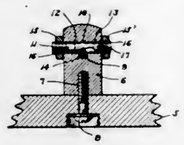
A traction device comprising an elongated link having a crossbar at one end and a hook at the opposite end, and having a centrally disposed lug intermediate its ends, and other lugs at its sides in transverse alinement with the central lug, the outer ends of the lugs being substantially in the same straight line and the side lugs having inner projections forming guards to engage opposite sides of the tire.

1,469,106. WORKING VALVE FOR OIL-WELL PUMPS. CHARLES PHILLIPS, Sr., Bolivar, N. Y. Filed Aug. 9, 1921. Serial No. 490,827. 2 Claims. (Cl. 103—225.)



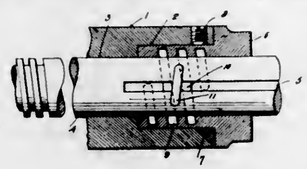
1. In a pump for oil wells, a working valve comprising a plunger body having a valve seat at its upper end, a cage threaded exteriorly upon said upper end, said cage having longitudinal channels in its outer surface and having ports opening into said channels, a ball-check valve enclosed by said cage and movable into and out of seating relation to said seat, an inverted cup resting on said valve and having an upright stem, and a spiral spring having one end seated upon said cup in embracing relation to said stem, said spring normally holding said valve to its seat.

1,469,107. BINDING POST. CHARLES PHILLIPS, Jr., Philadelphia, Pa. Filed Mar. 31, 1922. Serial No. 548,408. 1 Claim. (Cl. 173—259.)



As a new article of manufacture a terminal wire holding and locking member for binding posts comprising a slidable pin for passage through a bore at right angles to and intersecting a wire receiving opening through the binding post, said slidable pin having an inclined notched-out part in the wall thereof for frictional engagement upon a terminal wire when connected into the binding post, and nuts threaded on the outer ends of the aforesaid pin whereby the same may be locked immovably in the binding post.

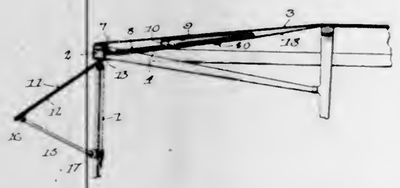
1,469,108. CROSS-FEED STOP FOR LATHES. CHARLES S. POOL, Taft, Calif. Filed Oct. 1, 1920. Serial No. 414,102. 3 Claims. (Cl. 82—24.)



1. A cross feed screw stop mechanism comprising a bearing, a screw shaft movably mounted therein and provided at its side with a longitudinally disposed groove,

a barrel member axially adjustable in the bearing, means for restraining the barrel member against longitudinal movement with relation to the bearing, said barrel member being provided with a helical groove, and a cross key member having an arm slidably disposed in the groove of the screw shaft and an arm slidably disposed in the helical groove of the barrel member, and said arms being disposed substantially in cruciform relation with respect to each other.

1,469,109. AUTOMOBILE ACCESSORY. MAXIMILIAN RAHR, Jr., Manitowoc, Wis. Filed July 15, 1920. Serial No. 396,346. 6 Claims. (Cl. 296—140.)



1. The combination with a vehicle canopy top having bows, of a holder for curtains, said holder comprising a pocket having a substantially unyielding wall, straps secured between said bows and adapted to allow the passage therebetween of said pocket without distorting said unyielding wall, and to retain said pocket in stored position, and means for drawing said straps laterally beneath said holder to maintain the holder in horizontal position.

1,469,110. MESSAGE CARRIER. HANNAH ROSENBLATT, Manila, Philippine Islands. Filed Sept. 22, 1922. Serial No. 589,820. 1 Claim. (Cl. 116—67.)



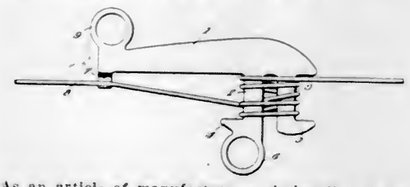
A message carrier comprising a bottle, a cork therefor, a support in the shape of a question mark having a sphere point forced into the cork which is further provided with a hook having its bill portion yieldably mounted with relation to the body of the support, and a bell having a loop adapted to be forced past the bill to be supported by the hook.

1,469,111. SUNSHADE. SAMUEL J. RUSSELL, Princeton, Tex. Filed Nov. 24, 1922. Serial No. 603,038. 3 Claims. (Cl. 135—12.)

1. A device of the class described including coacting upper and lower belts adapted to be supported in spaced relation around the person of the wearer, a plurality of springs attached to the lower belt, a standard extending from each of said springs, guides for said standards attached to said upper belt, flexible members coupling said belts, shoulder engaging members connected to said upper belt, and a canopy device supported by said standards.

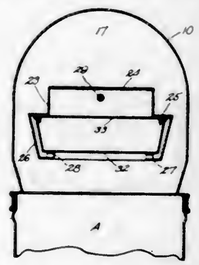


1,469,112. CLOTHESLINE TIGHTENER. DANIEL R. SCHOONOVER, Tuxedo, N. Y. Filed Oct. 13, 1922. Serial No. 594,325. 1 Claim. (Cl. 24—71.3.)



As an article of manufacture, a clothes line tightener stamped from a sheet of metal to include an elongated body having one of its edges adjacent one of its ends formed with spaced laterally extending fingers that terminate in outwardly directed feet, one of said fingers outward of the foot thereon being formed with an eye, said body having its said edge, adjacent its opposite end formed with a laterally arranged substantially U-shaped tongue and its opposite edge formed with an eye extension, all as and for the purpose set forth.

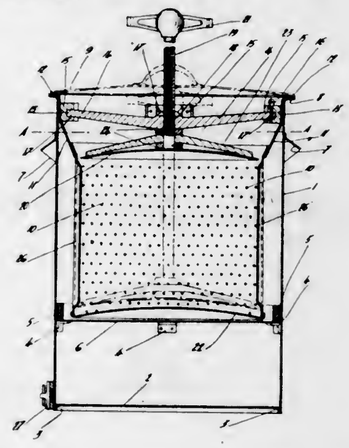
1,469,113. ASH SIFTER. MORAL O. SHRINER, Niagara Falls, N. Y., assignor to Salina A. Shriner, Niagara Falls, N. Y. Filed June 24, 1922, Serial No. 570,549. Renewed Aug. 4, 1923. 1 Claim. (Cl. 83—60.)



In an ash sifter, a hood adapted for engagement upon the top of an ash can, a stationary rod extending across the intermediate portion of said hood, a casing located within the hood and carrying a tubular member secured thereto and slidable upon said rod, said casing including a relatively small portion having one side open and covered with wire screen, the casing further including a relatively large portion connected with the small portion

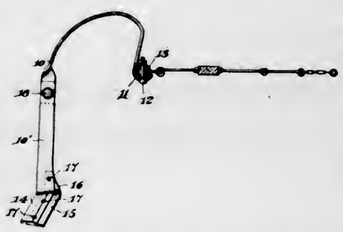
by a wall and having its side opposite said screen partially open, an open topped tray removably mounted within the larger portion of said casing with its open side disposed toward said screen, elongated bowed springs within the partially open side of said casing engaging the bottom of the tray for holding the same against the wall connecting the two portions of the casing, and means for inverting and reciprocating said casing.

1,469,114. FRUIT PRESS. JAMES SIMPSON, Glasgow, and ROBERT PETTIGREW MCCLURE, Ardrossan, Scotland. Filed Nov. 14, 1921. Serial No. 515,004. 2 Claims. (Cl. 100—44.)



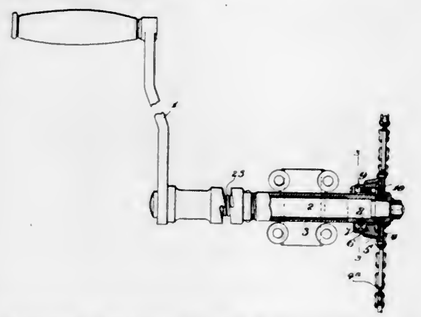
1. A fruit press comprising an outer casing, supports on the inner surface of said casing, a strainer resting detachably on said supports, a perforated inner container, a flange on said container, said container being supported within the casing by said flange which engages the edge of the casing, lugs in the upper part of the casing, a spider detachably engaging in said lugs, a screw passing through said spider, a plate on said screw beneath the spider and adapted to pass down into said container, said spider and said screw in its lowest position being disposed wholly within said casing, and a lid for the casing for enclosing the whole apparatus.

1,469,115. HARROW OR DRAG TOOTH. PHILIP SIMONS, Pewamo, Mich. Filed Aug. 23, 1922. Serial No. 583,877. 1 Claim. (Cl. 55—36.)



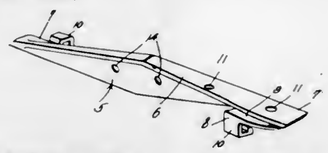
A resilient harrow tooth having a lateral offset at its outer end, and a cutting blade attached to the offset portion and extending in advance of the forward edge of the same, said cutting blade upturned at one end to bear against and reinforce the tooth member at its juncture with the offset.

1,469,116. STARTING DEVICE FOR MOTOR CYCLES AND THE LIKE. ROBERT WALKER SMITH, Redditch, England, assignor of one-half to The Enfield Cycle Company, Limited, Redditch, England. Filed June 30, 1920. Serial No. 393,158. 1 Claim. (Cl. 123—185.)



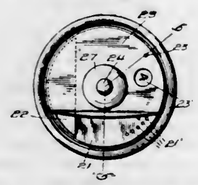
In starting mechanism, a clutch element having ratchet teeth on one side, a gear mounted for rotation and for lateral movement and having ratchet teeth on opposite sides, those on one side being arranged to engage those of said clutch element when said gear is moved laterally in one direction, a ring mounted for rotation and for lateral movement and having ratchet teeth to engage those on the other side of said gear, spring means to yieldingly and frictionally resist both rotation and lateral movement of said ring, and a spring washer to move said ring and gear toward said clutch element, in combination with a revoluble primary starting device, an element revoluble therewith, and means to impart reverse rotation to said element when the rotation of the primary device is discontinued, the last-named element being connected to and active to operate said gear.

1,469,117. RERAILER. LAWRENCE F. SMITH, Hazard, Ky. Filed Apr. 28, 1923. Serial No. 635,323. 2 Claims. (Cl. 104—268.)



1. A rerailer including a body portion, said body portion having its opposed edges tapering from the center to the ends thereof, flanges formed integral with the body portion and extending laterally from the edges thereof, each of said flanges including a relatively wide portion to provide supporting surfaces, each flange having an outer camming edge, and a hook member formed adjacent to each end of the body portion.

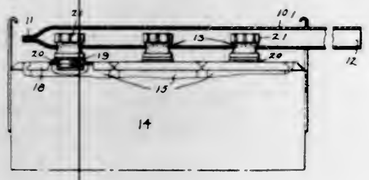
1,469,118. HORN SEED SOWER. DANIEL E. SPEICHER, Urbana, Ind. Filed May 20, 1922. Serial No. 562,409. 2 Claims. (Cl. 221—119.)



1. In a seed sower a tubular discharging element, a plate arranged therein and of a contour to provide a seg-

ment-shaped opening, and an adjustable pivoted gage disk shaped similar to said plate for varying the size and shape of said opening for discharge.

1,469,119. ELECTROLYTE GAS AND SPLASH ESCAPE. EUGENE A. STALLINGS, Wirt, Okla. Filed Nov. 22, 1921. Serial No. 517,131. 1 Claim. (Cl. 204—29.)



An electrolyte gas and splash escape means for secondary batteries consisting of a single length of elastic tubing of substantially the same diameter throughout closed at one end and open at the other end, said tube at the latter end being adapted to extend beyond the body for communication with the atmosphere and constant discharge of its contents, and the tube having a plurality of openings through its wall adapted for dilation to receive and have sealing contact with the vent means of the cells of the battery.

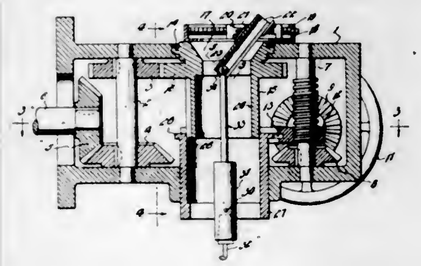
1,469,120. HOLDER FOR POCKETS. ALMA P. STARK, Salt Lake City, Utah. Filed Jan. 16, 1922. Serial No. 529,605. 1 Claim. (Cl. 2—151.)



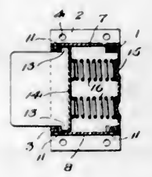
A holder for securing pencils and other articles in a garment pocket, comprising a body made up of an outer loop shaped jaw, an inner jaw, and upright loops joining the ends of the outer and inner jaws and adapted to straddle the upper edge portion of the outer wall of a pocket; the said loops being resilient and possessed of capacity to clamp said wall, in combination with a stiff section of leather connected to and covering the inner jaw of the body and extending upwardly from said jaw.

1,469,121. MILLING-MACHINE HEAD. HENRY A. STEWART, Highland Park, Mich. Filed Dec. 16, 1922. Serial No. 607,367. 5 Claims. (Cl. 77—1.)

1. In a milling machine head, the combination of a support, a tubular rotary member mounted in said support, means for rotating said member about its axis, a second tubular member keyed to and rotatable with the first-named tubular member and movable endwise relative to said member, means for adjusting the second tubular member endwise, an angle governor pivoted in the first-named tubular member, means to adjustably fix said angle governor with respect to said member and at various angles of inclination, and a tool holder pivoted in the second-named tubular member and having a shank and a head on the shank and engaged with and movable endwise of said governor.



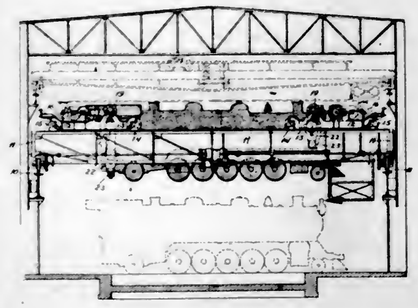
1,469,122. BUMPER. JAKOB STRIGANZ, Milwaukee, Wis. Filed Aug. 20, 1920. Serial No. 404,944. 1 Claim. (Cl. 16—86.)



A bumper comprising a casing, a back plate detachable from the casing, lugs on the back plate and extending into the casing, a resilient plunger, projections on the plunger for engagement with certain of said lugs to limit movement of the plunger, a follower within the casing and engaging said plunger, springs enaging said follower and the rear wall of the casing, said rear wall having knobs struck therefrom to prevent displacement of the springs, and said back plate extended beyond the casing to provide attaching portions

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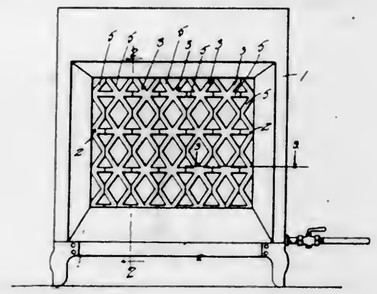
1,469,123. OVERHEAD CRANE. CLARENCE L. TAYLOR, Alliance, Ohio, assignor to The Morgan Engineering Company, Alliance, Ohio. Filed Sept. 1, 1921. Serial No. 497,568. 8 Claims. (Cl. 212—11.)



1. A traveling crane comprising a bridge, the girders of which are separated sufficiently to receive the part to be lifted, and a trolley provided with hoist cables and with

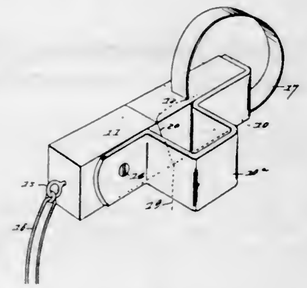
end extensions, the latter being provided with hoist cable supporting means journalled thereon whereby the article may be lifted between crane bridge girders and also between the end extensions of the trolley.

1,469,124. RADIANT HEATER. OWEN TAYLOR and CHARLES C. TAYLOR, Huntington, W. Va. Filed Mar. 3, 1923. Serial No. 622,546. 3 Claims. (Cl. 126—92.)



1. A radiant heater comprising a substantially solid back wall, a radiant front of open work spaced from the back wall, and intermediate webs connecting the radiant front with the back wall and providing a plurality of flues, the heater being in sections having portions forming a front and being in contact.

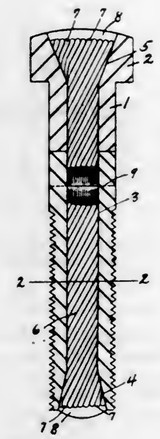
1,469,125. COMFORT GRIP. HAROLD M. TENNANT, San Jose, Calif. Filed Sept. 13, 1922. Serial No. 588,099. 3 Claims. (Cl. 24—248.)



1. A grip for the purpose indicated having cooperating clamping jaws arranged for terminal cooperative relation, one of said jaws being pivotally mounted for swinging movement in the plane of the other, and a flexible anchoring connection terminally connected to the remote end of the pivoted jaw and tending under stress to keep the jaws in engaged relation.

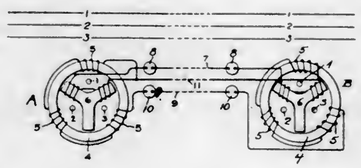
1,469,126. TELESCOPIC, NONBREAKABLE, AND FLEXIBLE WEDGE BOLT. DANIEL J. THOMAS, Youngstown, Ohio. Filed Aug. 31, 1922. Serial No. 585,507. 1 Claim. (Cl. 85—1.)

A device of the class described comprising a wedge bolt formed of two parts a central circular channel in said wedge bolt, flared openings at each end of said central circular channel, a cable positioned within said central circular channel, the ends of said cable turned in in order to form enlarged ends, molten metal poured in upon the



enlarged ends of said cable in order to make a solid unyielding formation, means for holding the inner ends of the parts of said wedge bolt in fixed relation to each other, substantially described for the purpose set forth.

1,469,127. PROTECTIVE DEVICE. EDMUND B. WEDMORE, Golder's Green, England, assignor to General Electric Company, a Corporation of New York. Filed Dec. 10, 1919. Serial No. 343,805. 6 Claims. (Cl. 175—294.)

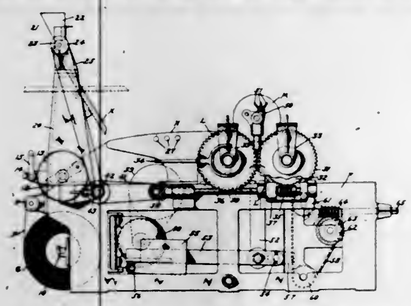


1. In protective devices for alternating electric current systems in which the input of electric energy into a section of the system is normally balanced against the output from said section, the combination of balancing devices which are relatively sensitive on faults to earth only, and balancing devices which are insensitive on faults to earth and relatively insensitive on faults between phases.

1,469,128. COMBINED COATING AND WINDING MACHINE. JOHN J. WELDON, Pittsfield, Mass., assignor to General Electric Company, a Corporation of New York. Filed May 11, 1921. Serial No. 468,663. 2 Claims. (Cl. 93—81.)

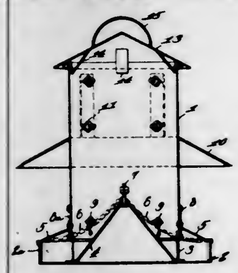
1. A combined coating and winding machine for sheet material, comprising means for feeding an excess amount of organic binder in dry form onto a surface

of said sheet material, means for heating and fusing said binder into an excess pool of fused binder in con-



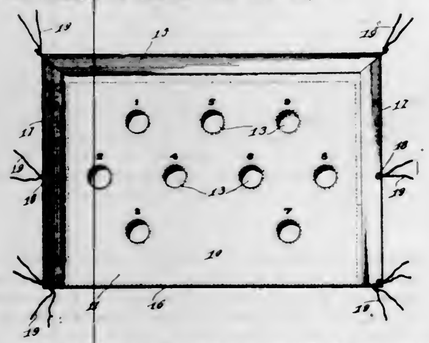
tact with both surfaces of said material, whereby both surfaces are coated, and means for winding said material into desired forms.

1,469,129. SELF-FEEDER FOR STOCK. CLAUDE C. WESTERMAN, Bremen, Ohio, assignor of one-half to G. L. Westerman, Bremen, Ohio. Filed Oct. 24, 1922. Serial No. 596,566. 2 Claims. (Cl. 119—53.)



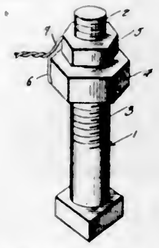
1. In a feeder of the class described a hopper, a trough arranged below and spaced from said hopper, a cone-shaped spreader carried by said trough and extending into said hopper, means for varying the space between the hopper and the trough, and a plurality of chains secured at one end to the apex of said spreader and at their other ends to the outer wall of the trough.

1,469,130. INDOOR-GOLF GAME. PLEASANT P. WHITEHAIR, Chapman, Kans. Filed Feb. 13, 1922. Serial No. 536,150. 2 Claims. (Cl. 46—59.)



1. An indoor golf apparatus comprising front and rear sheets of fabric secured to each other at their sides and upper ends and normally in parallelism with each other, said front sheet having a plurality of holes therein and said rear sheet arranged to normally lie in close proximity to the front sheet and form a yielding stop for a ball passing through any of said holes, the edges of the body formed with flaps arranged to extend at substantially right angles to said front sheet, ball return means at the bottom of said rear sheet and means on said flaps for securing the body to a support for the purpose specified.

1,469,131. NUT LOCK. ROBERT H. WHITESIDE, Oakland, Calif. Filed Jan. 14, 1922. Serial No. 529,277. 2 Claims. (Cl. 151—17.)



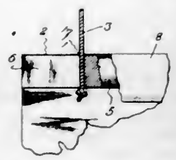
1. A bolt having threaded portions of different diameters, the threads of the portions being reversed, cooperating nuts of different sizes to engage the threads of the bolt, each of the nuts having a wire permanently secured to it and extending therefrom, the wires of the nuts being flexible for tying together in order to prevent relative movement of the nuts and said wires being completely out of the zone of the surfaces of the nuts which face each other whereby shearing of the wires is avoided through movement of one nut relatively to the other.

1,469,132. CUTTING APPARATUS FOR MINING MACHINES. WALTER J. WILSON, Sewickley, Pa. Filed Nov. 18, 1918. Serial No. 263,059. 11 Claims. (Cl. 262—33.)



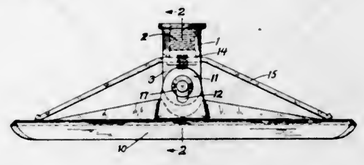
1. A cutting apparatus for a mining machine having a continuous chain guide with a waved bottom for the chain.

1,469,133. METHOD OF FASTENING SHADE-OPERATING CORDS. JESSE F. WOLFE, San Antonio, Tex. Filed Sept. 12, 1921. Serial No. 499,869. 1 Claim. (Cl. 156—27.)



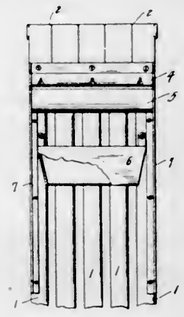
A shade having a hem at one end, a shade stick disposed in the hem and provided with longitudinal slots entering its respective ends, said hem having an opening through its wall adjacent each end, each opening being positioned to register with the inner end of the respective slots, a control cord for each end of said shade, each cord having one terminal passed through the respective opening and slot and knotted, said knot being disposed within the hem as and for the purpose specified.

1,469,134. CONDUCTOR SUPPORT. ARTHUR C. WOOD, Mansfield, Ohio, assignor to The Ohio Brass Company, Mansfield, Ohio, a Corporation of New Jersey. Filed Mar. 10, 1923. Serial No. 624,220. 4 Claims. (Cl. 191—40.)



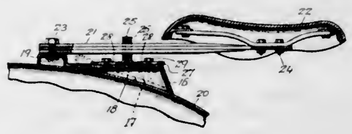
2. A conductor support comprising a supporting member provided with means to engage a hanger, a conductor-engaging member secured to the supporting member and having means to engage the conductor, means permitting the said members to move relative to each other in a direction corresponding to the axis of the supporting member and resilient means secured to the supporting member and engaging the conductor-engaging member to yieldingly resist said relative movement.

1,469,135. RADIATOR. ERNEST WYKES, Humboldt, Iowa. Filed July 13, 1922. Serial No. 574,611. 2 Claims. (Cl. 237—79.)



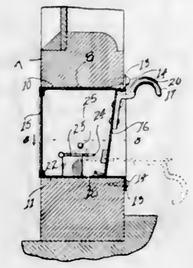
1. In combination with a radiator, a deflector disposed wholly below the top thereof and comprising a portion arranged between the loops or columns and a portion in the rear of the radiator to extend across the space formed between the wall and radiator, and panels in the rear of the end columns or loops and closing the space in the rear of the radiator and below the rear portion of the deflector.

1,469,136. SEAT. ADAM ZISKA, Jr., Milwaukee, Wis., assignor to Harley-Davidson Motor Co., Milwaukee, Wis., a Corporation of Wisconsin. Filed Sept. 20, 1919. Serial No. 325,212. 9 Claims. (Cl. 208—100.)



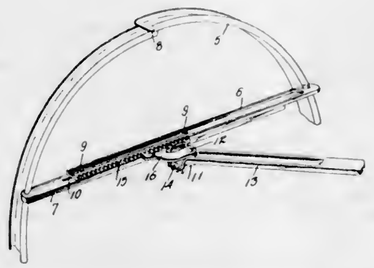
1. A seat comprising a substantially horizontal base plate formed from a single sheet of stamped metal, a saddle, a resilient member secured at one end directly to said base plate and at its other end to said saddle, and a support for said resilient member intermediate the ends thereof carried by said base plate.

1,469,137. WINDOW VENTILATOR. EDWARD C. ABRAHAM, Alameda, Calif. Filed Feb. 27, 1922. Serial No. 539,654. 3 Claims. (Cl. 98—31.)



1. A device of the character described, comprising a casing, having ventilating openings therein, a screen in said casing, medicine holding receptacles connected to said casing, and having hinged lids therein, and a door pivotally mounted in said casing and adapted to contact with the lids of the said receptacles for the purpose of raising said lids when said door is moved to an open position, and locking means in the top of said casing for retaining said door in a closed position.

1,469,138. TIRE TOOL. FRANCIS V. ANDERSON, Racine, Wis. Filed Apr. 30, 1921, Serial No. 465,798. Renewed Aug. 13, 1923. 1 Claim. (Cl. 157—1.)

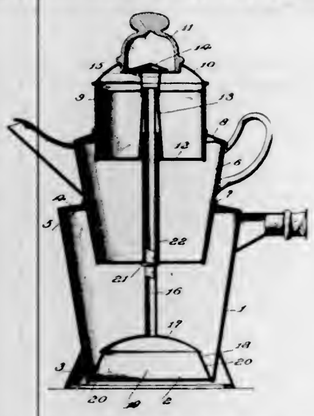


An implement for contracting demountable rims consisting of a pair of bars having face contact with each other and having jaws for engaging the edge of such a rim, pin and slot connections fastening them slidably together, a lever pivoted on one bar and lying in the plane of the other said lever being formed at its end as a segment rack, teeth on the other bar engaged by said rack, and a pawl on the pivot of the lever also engaging said teeth, substantially as set forth.

1,469,139. PERCOLATOR. DOMENICK ACQUAVIVA, New York, N. Y. Filed Mar. 22, 1922. Serial No. 545,904. 7 Claims. (Cl. 53—3.)

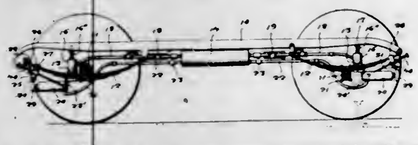
3. A device of the class described comprising a boiler, a coffee pot mounted therein, a container for comminuted coffee, a distributor, a water tube and associated chamber

forming dome for conveying the water from the boiler to said coffee pot, and means for supporting said coffee pot



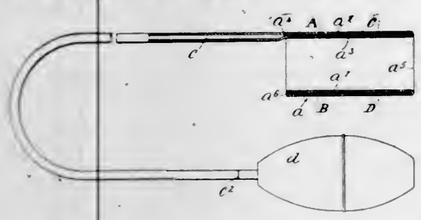
upon said tube, said means also acting to prevent the escape of steam or vapor from the boiler at the said point of support.

1,469,140. PUMP. EDWARD J. BAISDEN, New York, N. Y. Filed Sept. 8, 1922. Serial No. 586,926. 2 Claims. (Cl. 230—27.)



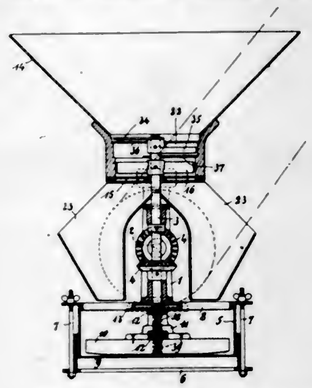
1. In a vehicle, an air compressor actuated by the expansion and contraction of the springs of the vehicle, a storage tank, means for connecting the same with the compressor, means controlled by the air pressure within the tank for automatically interrupting the flow of air into the tank when the pressure exceeds a certain degree, a jack hingedly connected with a part of the vehicle, manually operated means for connecting the jack with the compressed air tank and means for normally supporting the jack in raised position with its shoe in retracted position.

1,469,141. SOUND-DAMPING MECHANISM. ARTHUR EMETT, Birmingham, England. Filed Feb. 10, 1922. Serial No. 535,535. 3 Claims. (Cl. 181—27.)



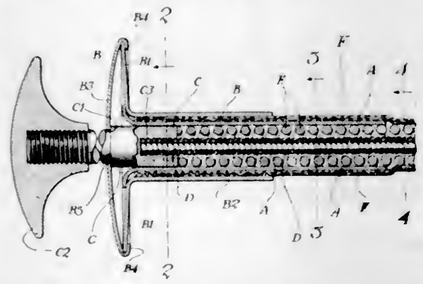
1. A control device for sound reproducing instruments having a passage beyond the sound box, comprising an air sack of elastic material, having parallel walls one of which is adapted to expand outwardly and the other inwardly, a hand operated bulb used outside the instrument for inflating the air sack and a length of tube connecting the bulb with the air sack, the air sack bulb and tube being formed as a unit applicable to an instrument substantially as described.

1,469,142. MACHINE FOR GRATING DOUGH. PAUL WILHELM FUNCK, Stuttgart, Germany. Filed Apr. 12, 1921. Serial No. 460,801. 9 Claims. (Cl. 107—14.)



1. In a dough grating machine, the combination of a hopper to receive the material, a base plate for said hopper having an opening, a catch plate below said base plate and spaced therefrom, rotary means for forcing the material through the opening in the base plate, and rotary means for removing the material from the spaces between said plates.

1,469,143. POWER-TRANSMITTING MECHANISM. CHARLES B. GRAY, Philadelphia, Pa. Filed Oct. 14, 1922. Serial No. 594,515. 5 Claims. (Cl. 74—39.)

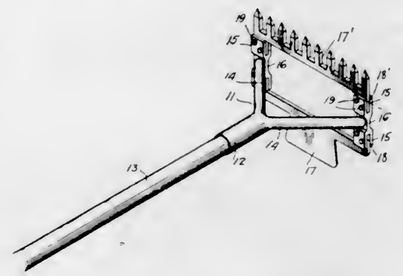


1. In a mechanism of the kind described, the combination of a tubular thrust member composed of closely coiled wire, a larger coiled spring wire tube surrounding the thrust member and having spaced coils, a fabric sheath surrounding the larger coiled wire tube, a stem in engagement with one end of the thrust member and bearing against the adjacent end of the larger coiled wire tube, a supporting structure surrounding a part of said stem and a part of the larger wire tube and forming a guide and lateral support for said parts and being attached to the adjacent end of the fabric sheath, and a body surrounding the opposite end of the thrust member and attached to the opposite end of the fabric sheath and bearing against the opposite end of the larger coil wire tube, substantially as described.

1,469,144. COMBINED HOE AND RAKE TOOL. MICAJAH HARRIS, Litchfield, Conn. Filed Aug. 22, 1921. Serial No. 494,210. 1 Claim. (Cl. 97—66.)

An implement comprising an open frame with arms the ends of which are spaced apart, upright heads joined at intermediate points in their lengths to the ends of said arms, and blades joined at their inner edges and ends to

the ends of the heads, said blades being arranged at opposite sides of and in spaced relation to the plane of the frame and forming in association with the heads a second open frame in full communication with the first-named



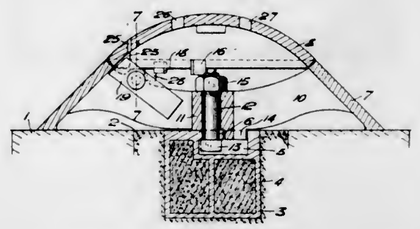
frame, and the said heads being provided with bifurcated end portions, and the blades being provided with lugs disposed in the bifurcations of the heads and connected thereto.

1,469,145. DOUBLE COMPOUND OF RAILWAY LINES. WOLFGANG BÄSELER, Lichtenchain (Schwarzburg-Rudolstadt), Germany, assignor to the Firm of Deutsch Luxemburgisghe Bergwerks- und Hütten-Aktiengesellschaft, Dortmund, Germany. Filed Sept. 2, 1921. Serial No. 498,172. 5 Claims. (Cl. 246—416.) (Granted under the provisions of the act of Mar. 3, 1921, 41 Stat. I. 1313.)



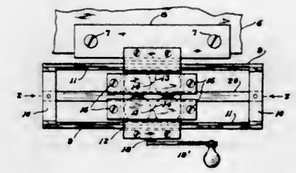
2. In a railroad crossing switch, the combination with two tracks crossing each other defining thereby a crossing quadrangle, and outer curved rails, each forming part of the two tracks, of a common center rail and movable switch sections extending from opposite ends thereof, the common center rail and one section at each end thereof co-operating with one curved rail, and the common rail and another section at each end thereof, co-operating with the other curved rail.

1,469,146. TRAFFIC MARKER. LOUIS J. BETTS, Warren, Pa. Filed Aug. 25, 1922. Serial No. 584,301. 13 Claims. (Cl. 189—213.)



1. In combination, a traffic marker, an anchor block formed in its upper face with a recess bounded by an undercut portion, said marker being provided with means for entering and obstructing the unoccupied part of said recess when the locking means is within said undercut portion.

1,469,147. RAZOR SHARPENER. PETER E. BIRD, Jenkintown, Pa. Filed Feb. 14, 1922. Serial No. 536,600. 4 Claims. (Cl. 29—83.)

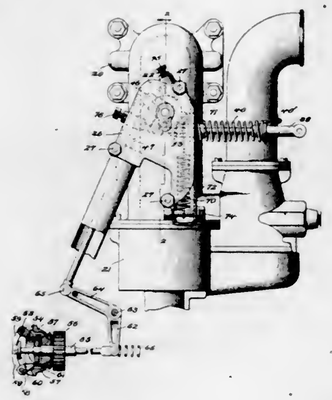


1. A device of the character hereinbefore described for effecting the re-setting of a cutting edge comprising relatively movable frames one of said frames being adapted for stationary fixture and one of said frames housing anti-friction balls which are adapted to have a rolling contact at all times, means for reciprocating the movable frame relative to the fixed frame, and means for maintaining said anti-friction balls constantly in rolling contact.

1,469,148. CARBURANT FOR ALCOHOL. JOSEPH MARIE ALPHONSE CHEVALIER, Versailles, and PAUL BOURCET and HENRI REGNAULT, Paris, France. Filed Aug. 11, 1921. Serial No. 491,526. 3 Claims. (Cl. 44—9.)

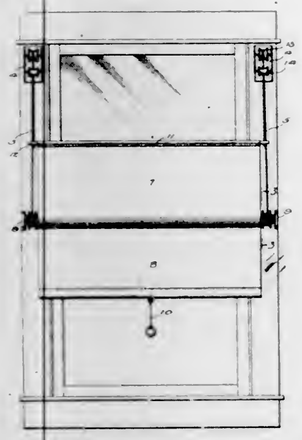
1. A process for carbureting alcohol characterized by the addition to this latter of the volatile spirit of resin known in commerce under the name of volatile oil of resin.

1,469,149. HYDROCARBON MOTOR. HAROLD D. CHURCH, Detroit, Mich., assignor to Packard Motor Car Company, Detroit, Mich., a Corporation of Michigan. Filed Oct. 1, 1919. Serial No. 327,703. 11 Claims. (Cl. 137—140.)



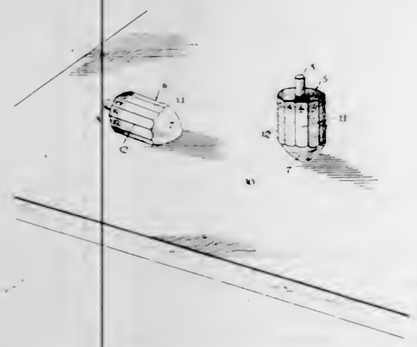
11. The combination with a hydrocarbon motor having a throttle valve, a gear mounted for limited rotation, a second gear connected to turn with the valve spindle, a rotatably mounted arm, a planet gear carried by said arm and associated with the other gears, manually actuated means connected to said arm, spring means tending to close said valve, a stop to limit the opening of said valve, and speed responsive means to control the position of said stop.

1,469,150. WINDOW SHADE. WALTER FREMONT CHURCH, Greeley, Colo.; Mary Muncy Church executrix of said Walter Fremont Church, deceased. Filed Sept. 6, 1922. Serial No. 586,477. 5 Claims. (Cl. 156—10.)



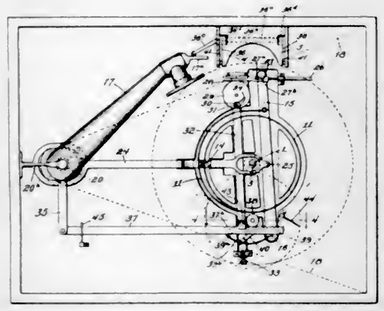
4. In a window shade including, a single roller having wound thereon a plurality of curtain elements adapted to be simultaneously unwound from the roller one toward the top of the window and the other toward the bottom of the window, the combination of drums fast on the respective ends of the roller, a plurality of drums on fixed axes directly above the respective drums on the roller and located at the top of the window, and a single flexible element secured at one end to each of the drums on the roller and running thence upwardly over the overlying drum at the top of the window and running thence downwardly and having its other end secured to the top of the upper curtain, there being an auxiliary drum located below each drum at the top of the window for frictionally engaging and additionally guiding the flexible element on that side of the window, and there being further provided a unitary bracket having journaled thereon one of the drums at the top of the window and the auxiliary drum for the drum last mentioned.

1,469,151. TOP. EDWARD E. BARTRAM, Los Angeles, Calif. Filed Sept. 16, 1921. Serial No. 501,050. 2 Claims. (Cl. 46—56.)



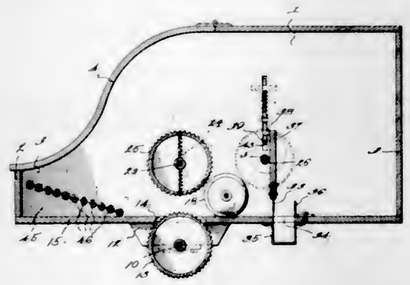
1. A combined amusement and educational device comprising a pair of tops having longitudinally grooved faces and coneshaped forward ends, the grooved faces of each top having numbers and symbols, the symbols acting to establish a connection and relation between the numbers on the two tops.

1,469,152. SOUND-REPRODUCING MACHINE. GEOFFREY M. BOUMPHREY, Bayclife, Lymm, England. Filed Jan. 21, 1921. Serial No. 438,982. 23 Claims. (Cl. 274—10.)



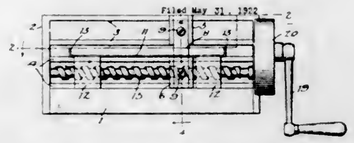
1. In sound reproducing machines provided with record changing mechanism adapted to play a plurality of disc records in succession, the combination of stationary supports adapted to support a plurality of unplayed records vertically above the playing position of a record, movable holders adapted to support and rotate a single record in its playing position, and means situated vertically beneath the playing position for supporting a plurality of played records.

1,469,153. CUTTER. OAKLEY FLOYD COOPER, Logan, Ohio. Filed Dec. 2, 1922. Serial No. 604,550. 2 Claims. (Cl. 146—11.)



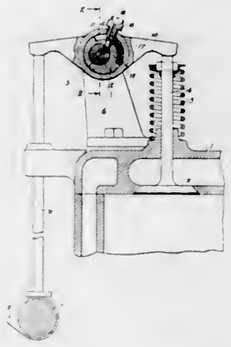
1. In a device for the purpose set forth, a casing having an inlet mouth, upper and lower longitudinally ribbed rollers journaled in the casing adjacent the mouth, means for adjusting the rollers with respect to each other, disk cutters arranged transversely in the casing to one side of the rollers, means for imparting timed rotary motion to the rollers and to the disk cutters, a vertically movable cutter in the casing spaced from the disk cutters, spring means influencing the cutter to cutting position, and means operated by the actuating means for the rollers and disk cutters for elevating the knife.

1,469,154. BELT CUTTING AND TRIMMING MACHINE. JAMES THOMAS DAVISON, Westfield, Mass. Filed May 31, 1922. Serial No. 564,694. 4 Claims. (Cl. 164—73.)



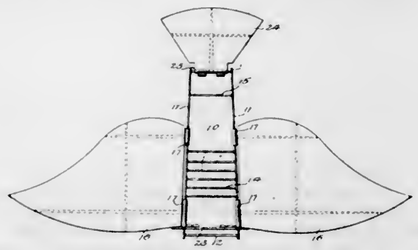
1. A machine of the character stated, comprising a support, two pair of rails on the support one above the other, a block slidably mounted between each pair of rails, a knife or blade connecting the blocks, a belt support adjacent to the blade, and means for sliding the said blocks.

1,469,155. VALVE ROCKER ARM. ROY EDGAR HEDBERG, Grenfell, Saskatchewan, Canada. Filed Jan. 31, 1922. Serial No. 533,113. 4 Claims. (Cl. 123—90.)



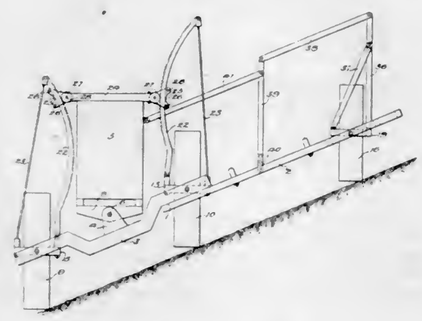
1. In a rocker arm, the combination with a shaft, of an eccentric bushing journaled on the shaft, a rocker arm journaled on the bushing, and a spring urging the bushing and rocker arm to turn together in one direction, said bushing having a slot therein wherein said spring is located, and an inwardly extending member carried by the arm, riding in the slot and engaged by the spring.

1,469,156. GLIDER. WILLIAM INHELDER, Toronto, Ontario, Canada. Filed Oct. 14, 1922. Serial No. 594,599. 3 Claims. (Cl. 244—12.)



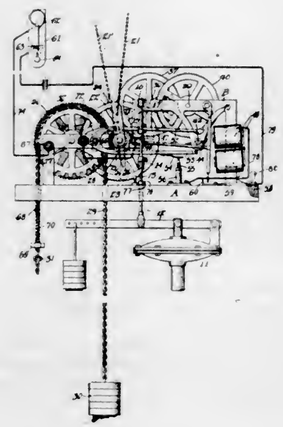
1. A glider comprising a skeleton frame upon which the operator lies prostrate, wings hinged to the forward part of the sides of the frame, operating hand levers secured to the forward portions of the wings and extending downwardly below the frame, said levers being provided with spring pressed detents, segments depending from the frame and engaged by the detents, a rudder pivoted to the rear of the frame, and foot pedals secured to said rudder.

1,469,157. HARVESTER-FRAME CONSTRUCTION. MORGAN DURYEAS KAST, Pendleton, Oreg. Filed June 20, 1922. Serial No. 569,644. 7 Claims. (Cl. 56—209.)



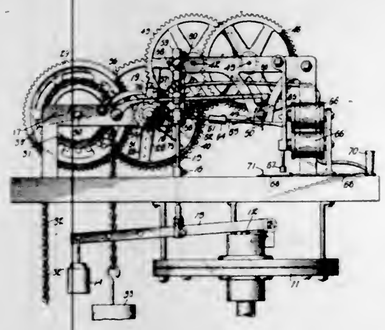
1. A construction of the character described, comprising a main frame, a header frame secured to the main frame, wheel frames pivotally connected to the main frame and the header frame, wheels supporting said wheel frames, and mechanism compelling all of said wheel frames to pivot in unison.

1,469,158. DRAFT REGULATOR. WILLIAM L. KERNE, Waterville, Me. Filed Feb. 3, 1921. Serial No. 442,178. 31 Claims. (Cl. 236—9.)



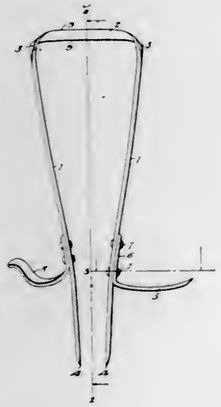
29. A heating system comprising a furnace, draft regulating means therefor, a motor for operating said draft regulating means, pressure controlled means to govern the motor, temperature controlled means adapted to lock the motor whereby the motor cannot operate to increase the draft until acted upon by the temperature controlled means, substantially as set forth.

1,469,159. DRAFT REGULATOR. WILLIAM L. KEENE, Waterville, Me. Filed Sept. 2, 1921. Serial No. 497,998. 18 Claims. (Cl. 236—9.)



18. In a heat regulator, a shaft, means connected thereto for operating a draft controlling device of a furnace, clockwork for driving the shaft, and mechanism to control said clockwork comprising pressure controlled means attached to the furnace and mechanically connected to the said mechanism, substantially as set forth.

1,469,160. GARDEN TOOL. WILLIAM JOHN KESSEL, Freeport, N. Y. Filed Mar. 11, 1922. Serial No. 542,904. 2 Claims. (Cl. 55—65.)

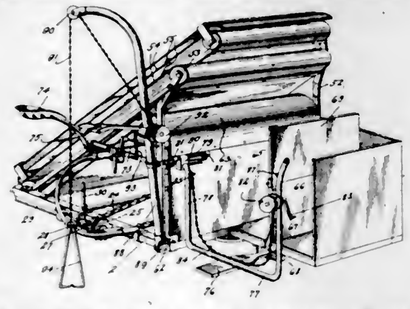


1. A garden tool comprising a U shaped handle, and a pointed blade fixed to and projecting laterally from one arm of the handle.

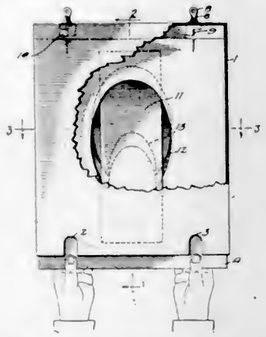
2. A garden tool comprising a U shaped handle, a pointed blade fixed to and projecting laterally from one arm of the handle, and a finger receiving bracket extending laterally from the other arm of the handle for the purpose specified.

1,469,161. CORN-HARVESTING MACHINE. WILLIAM E. KOCH, Carroll, Ohio. Filed Mar. 21, 1921. Serial No. 453,957. 5 Claims. (Cl. 56—426.)

1. In a corn harvester, a portable frame, gathering and conveying mechanism carried by said frame, a receptacle into which material discharged from said gathering mechanism is received, a pivoted bail member cooperating with said receptacle to surround material discharged into the latter means connected to the bail member for compressing the material, and a pivoted crane structure carried by said frame and capable of elevating the bundled material.



1,469,162. PAPER DISPENSER. ALBERT F. LESLER, New York, N. Y. Filed June 21, 1922. Serial No. 569,786. 2 Claims. (Cl. 211—29.)



1. In a paper dispensing device of the character described, a casing for receiving a quantity of paper, said casing being open at the lower end and provided with notches at the lower end whereby the thumbs of an operator may engage said paper and remove the same, said paper being formed with a central aperture, and a guiding and retaining tongue secured to the back of said casing and extending through said aperture so as to overlap the top of the paper dispensed and guide the paper as it is moved from the casing.

1,469,163. BOOKMARK. RUDOLF MALLINA, Sao Paulo, Brazil. Filed Oct. 9, 1922. Serial No. 593,438. 5 Claims. (Cl. 116—119.)



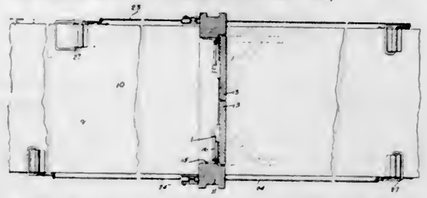
1. A book mark comprising a base secured to a book cover and a resilient member rigidly secured thereto slanting relatively to one edge of the book cover and extending beyond the book leaves having an arm at its end turned at an angle of substantially less than ninety degrees and running substantially parallel to the edge of the book with a finger thereon for holding a block of leaves under torsional tension.

1,469,164. CHAIN CONNECTOR. EDMUND N. MALVERN, Burlington Junction, Mo. Filed Oct. 9, 1922. Serial No. 593,299. 4 Claims. (Cl. 24—237.)



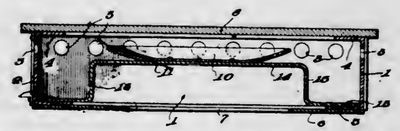
1. A connector for a pair of chain links comprising a unitary piece of bent wire, and including an intermediate length bent into a loop for one of said links, the lengths of said wire beyond said loop being bent into a second loop arranged in a plane substantially perpendicular to the plane of the first loop and being thence continued toward the first loop and then respectively formed into a hook and a resiliently engaging keeper for such hook, the lengths of the wire beyond the second loop, when said hook is engaged with its keeper, defining a third loop, said first and third loops being overlappingly arranged in substantially parallel planes, one of which last-mentioned loops is smaller than the other.

1,469,165. DOOR-OPERATING DEVICE. CHARLES L. MARSH, Bridgewater, S. Dak. Filed Oct. 22, 1921. Serial No. 509,510. 1 Claim. (Cl. 268—9.)



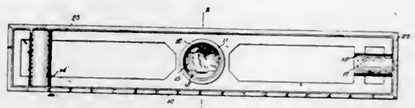
A door and door-operating structure, including the combination of a doorway, a door including a pair of oppositely movable panels, means for supporting and guiding said panels for movement towards each other to closing position to lie in the same vertical plane and away from each other to open position to lie in spaced vertical planes substantially perpendicular to the plane of the doorway; said means including a horizontal overhead fixed track, and a track-guided member fixed on each panel, a C-shaped member for each panel vertically pivotally mounted at an intermediate portion of the member near a side of the doorway and having terminal portions pivotally connected to each panel intermediate the top and bottom of the latter, each C-shaped member having a fixed arm projecting therefrom at an angle to the plane of the C; there being also provided a system of cables and pulleys for opening and closing both panels simultaneously; said system including cable elements running in opposite directions across the plane of the door away from each arm, and a plurality of additional cable elements operatively connected to the cable elements first-mentioned and one of which may be manually pulled when the panels are open to close the latter and the other of which may be manually pulled when the panels are closed to open said panels.

1,469,166. HOT PLATE. ROY MATSUSHITA, Wilmette, Ill. Filed May 20, 1921. Serial No. 471,281. 1 Claim. (Cl. 126—215.)



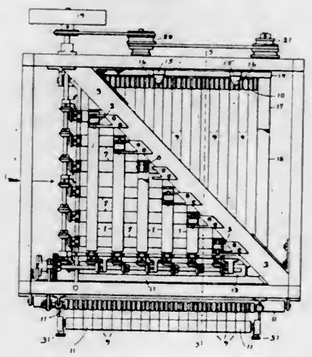
In a hot plate, a frame provided with upper and lower ledges, a cooking plate supported on said upper ledge, a bottom plate beneath said frame and provided with a heat entrance opening, said frame provided with a plurality of escape openings, a concavo convex baffle plate within said frame for distributing heat over said cooking plate, supporting means for said baffle plate comprising a substantially U shaped frame attached to said lower ledge, and handles carried by said frame.

1,469,167. COMBINATION RULE, SQUARE, AND LEVEL. ROBERT E. MCGOWAN and FREDRICK W. MCCORRY, Cowley, Wyo. Filed Jan. 10, 1922. Serial No. 528,279. 5 Claims. (Cl. 33—119.)



1. A device of the class described comprising separate sections, one section having sockets at right angles to each other and adjacent to the respective ends, the other section having a connecting element adapted to either of said sockets to dispose the sections in alinement with each other to constitute a rule, or at right angles to each other to constitute a square, together with screw means on one section to securely clamp the sections in either position.

1,469,168. SHEET-TURNING DEVICE. JAMES A. METS, Fremont, Nebr. Filed Oct. 23, 1922. Serial No. 596,242. 6 Claims. (Cl. 271—45.)



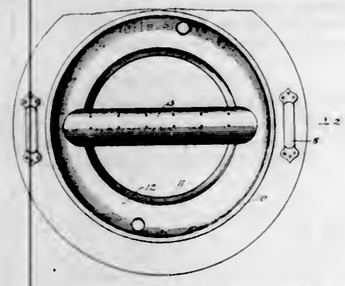
1. In combination with the feed of a paper moving machine, a bar extending obliquely to the direction of feed, said bar having therein an arcuate slot through which the paper is adapted to be fed, and by which it is turned at an angle to its initial direction.

1,469,169. VENTILATING COVER FOR CONTAINERS. GEORGE T. MORRIS, Missoula, Mont., assignor of one-third to Fred Madsen and one-third to Harry L. Shapard, both of Missoula, Mont. Filed Apr. 18, 1922. Serial No. 555,137. 2 Claims. (Cl. 31—77.)

1. A cover for milk containers and the like, comprising a tapered hollow portion terminating in an annular flange, said tapered hollow portion being crimped at diametrically opposite points to provide channels or passages, and an open ended and perforated tubular member extending diametrically across said cover with its open ends in alinement with the diametrically opposed crimped portions and communicating therewith.

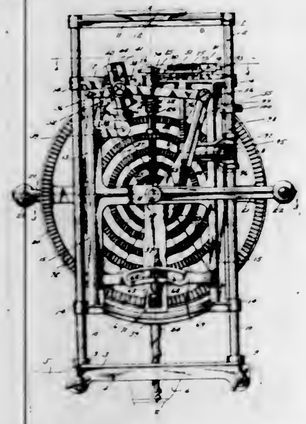
2. In a cover for containers, a diametrically and horizontally disposed perforated tubular member, said per-

forations being in the upper portion thereof, and a plurality of air passages formed by crimping the cover at the ends of the perforated tubular member and serving



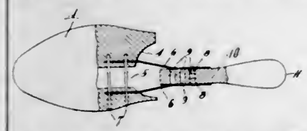
to establish communication between the tubular member and the interior of the container to provide for ventilation of the interior of the container.

1,469,170. MORTISING MACHINE. GEORGE E. NORRIS, Columbus, Ohio. Filed July 13, 1921. Serial No. 484,434. 6 Claims. (Cl. 144—70.)



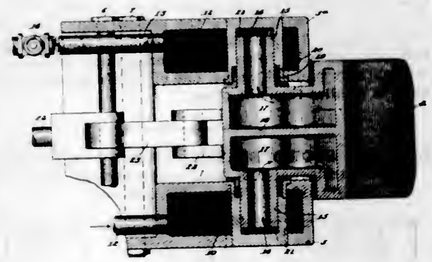
1. A mortising machine comprising a frame work, a carriage slidably mounted in connection with said frame work, an oscillatory bit operating member mounted in connection with said carriage, a bit adapted for connection with said member, and a main drive element consisting of a plurality of substantially concentrically disposed gears capable of simultaneously effecting the rotation of said bit and oscillating said member at selected speeds.

1,469,171. SHOE-TREE. HARRIE A. BALLARD, Boston, Mass., assignor to General Shoe Machinery Company, Boston, Mass., a Corporation of Maine. Filed Dec. 22, 1921. Serial No. 524,115. 2 Claims. (Cl. 12—128.1.)



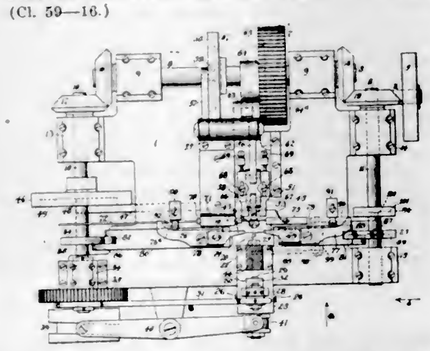
1. A shoe tree comprising a toe piece, a pair of spaced resilient arms connected at their forward ends rigidly to said toe piece and extending rearwardly therefrom, a pair of oppositely disposed pins projecting inwardly from said arms toward their rear ends, and a heel piece having its forward end extending between said arms and having a series of lateral perforations in any of which said pins may selectively engage, the rear end of said heel piece being curved to fit within the heel end of a shoe and upwardly arched to form a handle by which it may be grasped to be pulled upwardly about said pins as an axis to release the tree from the shoe.

1,469,172. FUEL-STOKING STRUCTURE. EUGENE L. BARNES, Buffalo, N. Y., assignor to American District Steam Company, North Tonawanda, N. Y., a Corporation of New York. Filed Mar. 9, 1920. Serial No. 364,564. 22 Claims. (Cl. 110—104.)



1. A fuel-stoking instrumentality including a fuel-nozzle adapted to carry fuel to the interior of a furnace, said nozzle having a jacket for the circulation of a cooling medium through the jacket; a fuel-distributor associated with the nozzle and having a chamber for the circulation of a cooling medium through the chamber; and means establishing communication between the jacket on the nozzle and the chamber in the fuel-distributor.

1,469,173. WIRE-CHAIN-MAKING MACHINE. ANDREW BERG, Bridgeport, Conn., assignor to The Coulter & McKenzie Machine Company, Bridgeport, Conn. Filed Feb. 4, 1922. Serial No. 534,027. 4 Claims. (Cl. 59—16.)



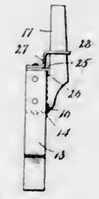
1. A wire chain making machine comprising a two part mandrel having seats at the adjacent ends of the two parts about which links are formed when the mandrel is closed, means for holding one part of the mandrel stationary, and means for actuating the other part to and from the stationary part, initial link bending tools, an arbor, means for oscillating it, and means for longitudinally actuating said arbor to and from the mandrel, said arbor carrying link holding jaws, and means for closing a partially formed link within a closed link held by the jaws and at one side of the center of said closed link.

1,469,174. METHOD OF MAKING SPHERICAL ARTICLES. JOHN R. BLAKESLEE, Cleveland, Ohio. Filed Nov. 25, 1916. Serial No. 133,349. 2 Claims. (Cl. 80—20.)



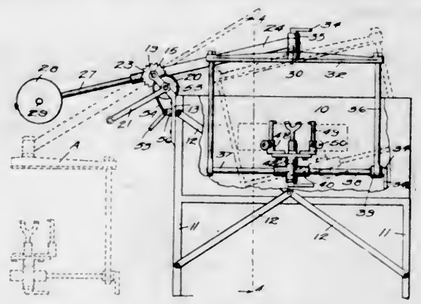
2. In a method of making spherical objects, the steps which consist in rolling a billet transversely, applying equal pressures thereto at spaced transverse planes and along diverging transverse lines, and gradually increasing such pressures to force the metal of said billet into spheroidal portions connected by intermediate cylindrical portions, the excess metal between the spheroids being forced into the spheroids themselves while maintaining substantially the original diameter of the billet.

1,469,175. TUBE FRAME. HENRY A. BURNES, Boston, Mass., assignor to Shawmut Engineering Company, Boston, Mass., a Corporation of Massachusetts. Filed Mar. 4, 1922. Serial No. 541,101. 24 Claims. (Cl. 199—10.)



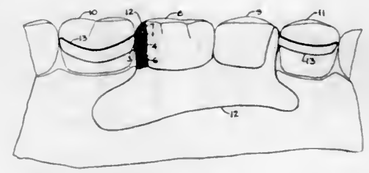
19. In a tube frame for weaving, the combination of a longitudinal carrier bar, an exterior tube-supporting and attaching member extending lengthwise of the bar and a series of tuft guiding tubes detachably secured to said attaching member to permit quick removal and insertion of the tubes, substantially as described.

1,469,176. RADIATOR-HOLDING MACHINE. EDWARD C. CARRIS and VINCENT F. EPPEL, Washington, Iowa; said Carris assignor to said Eppel. Filed May 10, 1921. Serial No. 468,453. 10 Claims. (Cl. 73—51.)



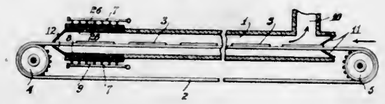
1. In a machine of the class described, a member mounted to move up and down above a tank and from position above the tank to position laterally of the tank and back, a yoke rotatably supported on said member to hang in vertical position in the various positions of the member, a holding element supported on said yoke for pivotal adjustment on two substantially intersecting axes.

1,469,177. DENTAL ATTACHMENT FOR REMOVABLE BRIDGES AND CLASP DENTURES. SAMUEL DOSKOW, New York, N. Y. Filed Mar. 5, 1923. Serial No. 623,072. 4 Claims. (Cl. 32—12.)



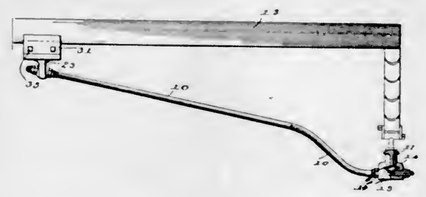
1. A dental attachment for removable bridges and clasp dentures, comprising an oval or egg-shaped bead linking member adapted to be permanently mounted on the clasp, and an elliptically shaped socket member with a closed top and closed bottom adapted to be permanently secured on the removable bridge or denture; the said linking member engaging permanently within the said socket member and acting as the means for permanently joining the said clasp member in restricted universally movable relationship to the removable bridge or denture, substantially as set forth.

1,469,178. APPARATUS FOR SUPPLYING HEAT. CARLETON ELLIS, Montclair, N. J., assignor, by mesne assignments, to Surface Combustion, Inc., Wilmington, Del., a Corporation of Delaware. Original application filed Nov. 4, 1912, Serial No. 729,316. Divided and this application filed Aug. 9, 1917. Serial No. 185,390. Renewed Jan. 31, 1923. 2 Claims. (Cl. 263—8.)



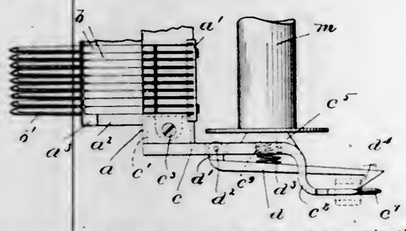
1. Heating apparatus comprising a porous and permeable bed of refractory material, and means providing a plurality of apertures for injecting an explosive gaseous mixture into said bed with a velocity in excess of the speed of backfiring of the mixture, said apertures being spaced apart to so distribute the mixture through the bed as to secure substantially uniform heating thereof.

1,469,179. RADIUS ROD. JAMES CLYDE HALDEMAN, Salem, Ohio. Filed June 15, 1922. Serial No. 568,611. 3 Claims. (Cl. 267—66.)



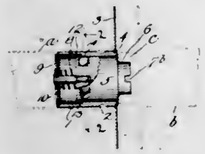
1. A radius rod having axle gripping means at its forward end, a bracket movably supporting the rear end of said radius rod and having an upper engaging head and a wedge receiving slot below the head, a wedge adjustable in the slot and cooperating with the head to grip a vehicle frame member and means to adjust and hold the wedge and means to adjust and hold the wedge in effective position.

1,469,180. AXMINSTER TUBE FRAME. EDGAR F. HATHAWAY, Wellesley, Mass., assignor to Shawmut Engineering Company, Boston, Mass., a Corporation of Massachusetts. Filed Mar. 6, 1922. Serial No. 541,336. 14 Claims. (Cl. 139—10.)



2. In a tube frame for tuft weaving, the combination with a longitudinal carrier bar, of spool-supporting hangers secured to the opposite ends of the bar said hangers and bar being constructed to have mutual interlocking engagement acting to prevent angular and transverse displacement between the hangers and the bar, and means for rigidly securing the bar to said hangers when arranged in such interlocking position, substantially as described.

1,469,181. YARN SPOOL FOR TUBE FRAMES. EDGAR F. HATHAWAY, Wellesley, Mass., assignor to Shawmut Engineering Company, Boston, Mass., a Corporation of Massachusetts. Filed June 1, 1922. Serial No. 565,142. 10 Claims. (Cl. 242—123.)



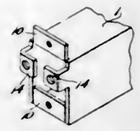
1. A yarn spool for a tube frame or the like, embracing in its construction two or more spool sections having detachably interlocking journal members one of which is connected with its spool section by means of a frictional but releasable engagement to permit rotative adjustment between said spool section and its journal member in order to secure proper alignment of the yarn ends of the spool sections and also proper matching of the interlocking journal members, substantially as described.

1,469,182. TUFT TUBE FRAME FOR WEAVING. EDGAR F. HATHAWAY, Wellesley, and WALTER BIXBY, Boston, Mass., assignors to Shawmut Engineering Company, Boston, Mass., a Corporation of Massachusetts. Filed Jan. 29, 1923. Serial No. 615,512. 6 Claims. (Cl. 139—10.)



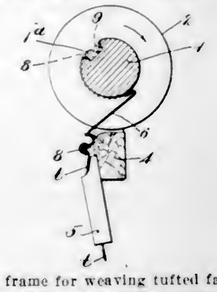
1. In a tuft tube frame for weaving, the combination with a carrier bar and its suspension bracket, of a rigid hook arm pivotally fulcrumed to swing into and out of engagement with the tube frame carrier chain by action of suitable transfer mechanism, and means disposed to be engaged by an overhanging part of the transfer mechanism in its downward movement and transmit a downward pull on the tube frame through said fulcral connection, substantially as described.

1,469,183. TUBE FRAME. EDGAR F. HATHAWAY, Wellesley, Mass., assignor to Shawmut Engineering Company, Boston, Mass., a Corporation of Massachusetts. Filed Apr. 10, 1923. Serial No. 631,226. 5 Claims. (Cl. 132—10.)



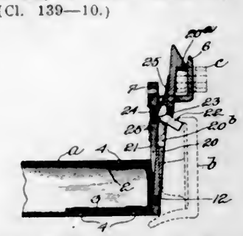
1. A tuft tube frame for weaving embracing in its construction a suspension hanger, a tubular carrier bar of polygonal cross section having the end portions of opposite walls turned at substantially right angles to the longitudinal axis of the bar to form attaching wings adapted to rest firmly against the adjacent face of the hanger to which they are securely united, substantially as described.

1,469,184. TUFT FRAME FOR WEAVING PILE FABRICS. EDGAR F. HATHAWAY, Wellesley, Mass., assignor to Shawmut Engineering Company, Boston, Mass., a Corporation of Massachusetts. Filed Jan. 29, 1923. Serial No. 615,578. 11 Claims. (Cl. 139—10.)



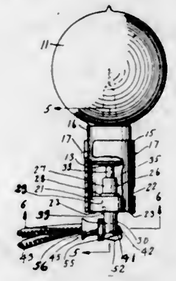
1. In a tube frame for weaving tufted fabrics, the combination of a rotatable yarn spool, a cooperating series of tuft guiding members, and means forming a connecting extension between the inner yarn-ends and the spool whereby said yarn-ends are permitted to unwind from the spool and still remain attached thereto, substantially as described.

1,469,185. SUSPENSION MEANS FOR TUBE FRAMES. EDGAR F. HATHAWAY, Wellesley, Mass., assignor to Shawmut Engineering Company, Boston, Mass., a Corporation of Massachusetts. Original application filed May 24, 1922, Serial No. 563,243. Divided and this application filed May 4, 1923. Serial No. 636,806. 10 Claims. (Cl. 139—10.)



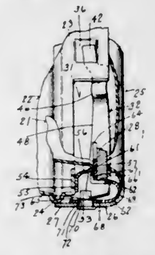
10. In a tube frame for weaving, the combination of a longitudinal carrier bar, a hanger arm formed with an interior slot, a chain-engaging hook pivoted to swing into said slot, and means for attaching said hanger to the carrier bar embracing a U-shaped bracket secured to the hanger to bridge across said slot and having opposite parallel attaching means arranged and proportioned to form lapped engagement with the walls of said bar to prevent angular and transverse displacement, and fastening screws securing the wings and bar together whereby the slotted hanger is reinforced and the fastening screws are relieved of transverse and twisting strains, substantially as described.

1,469,186. ELECTRIC CONNECTER. EUGENE A. KUEN, Cincinnati, Ohio, assignor to The Thos. J. Corcoran Lamp Company, Cincinnati, Ohio, a Corporation of Ohio. Filed May 24, 1920. Serial No. 383,909. 1 Claim. (Cl. 173—328.)



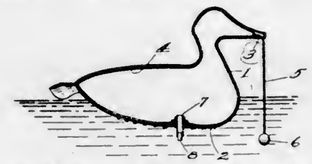
In an electric connecter, the combination of a supporting tube, an insulating body in said tube, a pair of electric terminal posts in said insulating body, said terminal posts provided with projections extending from said insulating body outside said tube, electric conductors secured to said projections and extending at substantial right angles therefrom, and an insulating plate independent of said insulating body and distanced therefrom, said insulating plate provided with spaced-apart holes, said insulating plate extending in a plane which is substantially parallel with the single plane in which the longitudinal axes of both said projections extend, and said electric conductors located in said holes, whereby said electric conductors and said projections are held in spaced-apart relations.

1,469,187. VEHICLE LAMP. EUGENE A. KUEN, Cincinnati, Ohio, assignor to The Thos. J. Corcoran Lamp Company, Cincinnati, Ohio, a Corporation of Ohio. Filed June 5, 1920. Serial No. 386,741. 3 Claims. (Cl. 240—41.)



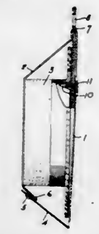
1. In a lamp of the character described, the combination of a body having a forwardly projecting annular wall, a reflector in said body, and a closure comprising a ring-member and a light transmitting plate, said ring-member provided with a rearwardly extending annular wall located substantially concentric about said annular wall of said body and spaced radially therefrom, coengaging means between said walls comprising leaf-springs and complemental contact-members, one of said walls provided with seats projecting into said space between said walls, said seats arranged for receiving said leaf-springs to locate said leaf-springs, and said seats forming centering means between said walls by contact of the other of said walls therewith, whereby to locate said closure concentrically with relation to said body.

1,469,188. INFLATABLE DECOY. GEORGE H. MOORE, Kansas City, Mo., assignor to Airtite Decoy Company, Kansas City, Mo., a Firm composed of George H. Moore and C. O. Fields. Filed July 17, 1922. Serial No. 575,711. 2 Claims. (Cl. 43—2.)



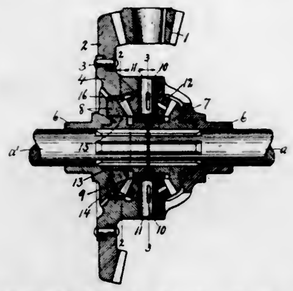
1. A decoy comprising an envelope provided with an opening, a removable inflatable bladder therefor, and an inserting string secured to one end of said bladder and adapted to be projected through said opening in the envelope.

1,469,189. HAT PROTECTOR. JOHN J. O'LEARY, Glenside, Pa. Filed Aug. 2, 1921. Serial No. 489,246. 1 Claim. (Cl. 206—8.)



A container for storing articles, which comprises a baglike body portion having a lower opening, a flap adapted to close said lower opening, said container having a tab fastened therewithin adjacent its upper edge, said tab having a portion extending upwardly therefrom through the material of the body portion, this projecting end of the tab adapted to be fastened to any suitable support, and means on the tab within the body portion to support an article.

1,469,190. DIFFERENTIAL GEARING. DONALD D. ORMSBY, Syracuse, N. Y., assignor to Brown Lipe Chapin Company, Syracuse, N. Y., a Corporation of New York. Filed June 14, 1918. Serial No. 239,989. 10 Claims. (Cl. 74—100.)



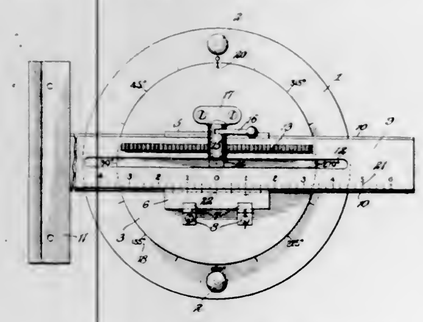
1. A differential gearing having one of its driven gears made in two parts eccentrically mounted one

upon the other whereby the relative rotation of said parts will frictionally lock one of them to the driving gear and to the other part for positively rotating both of the driven gears.

1,469,191. GOLD SOLDER. WILLIAM SHEFF and HENRY WM. SHEFF, Brooklyn, N. Y. Filed Nov. 22, 1921. Serial No. 517,084. 3 Claims. (Cl. 75—1.)

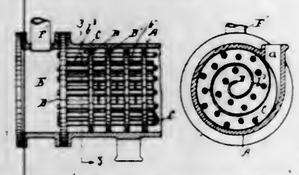
1. A composition of matter for use as a solder for gold, which comprises gold approximately 60%, nickel approximately 7%, zinc approximately 16%, and copper approximately 15%.

1,469,192. DRAWING INSTRUMENT. LYMAN SHEPARD, Norfolk, Va., assignor of one-half to George L. Shinn, New Egypt, N. J. Filed June 17, 1921. Serial No. 478,387. 5 Claims. (Cl. 33—110.)



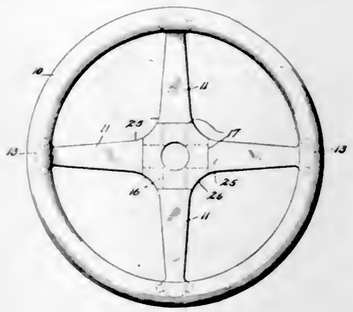
1. In a drawing instrument the combination of a disk having a scale on its outer edge, means for securing the disk in removable manner to a drawing board or the like, a second disk superimposed on the first named disk and adapted to be rotated independently with respect to the first named disk, clamps adjustably secured on the second named disk, an auxiliary scale engaged by said clamps, a bracket permanently secured to the second named disk opposite the scale, a housing, a pinion in said housing, a key for moving the pinion, a member having a groove and arranged beneath the housing on the second named disk and a T-square having a central sight opening and graduations on one face thereof and a rack bar arranged on the T-square adjacent the sight opening, the teeth of which rack bar are adapted to be engaged by the pinion, and longitudinal flanges formed on the T-square and adapted to slide under the member beneath the casing and the auxiliary scale to prevent casual displacement of the T-square from the last named disk.

1,469,193. REVERSIBLE HEATING OR COOLING APPARATUS. GEORGE A. SIMS, Erie, Pa., assignor to The Sims Company, Erie, Pa. Filed Aug. 26, 1922. Serial No. 584,559. 3 Claims. (Cl. 257—236.)



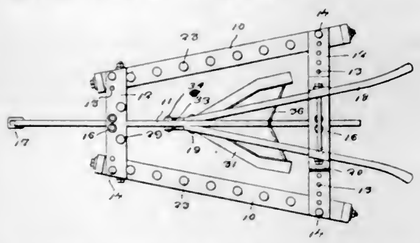
1. In an apparatus of the class described, a casing having inlet and outlet openings at opposite ends thereof, a series of transverse walls therein, each alternate wall having a central opening therethrough, and the other alternate walls having a notch cut out of the periphery, spiral flanges on the adjacent faces of said transverse walls, a plurality of longitudinal tubes passing through said casing and through said transverse walls and secured in plates at the ends of said casing, and header chambers on the ends of said casing covering the ends of said tubes.

1,469,194. WOODEN STEERING WHEEL WITH LAMINATED HUB. O K SNYDER, Onaway, Mich., assignor to American Wood Rim Company, Onaway, Mich., a Corporation of Michigan. Filed Jan. 19, 1923. Serial No. 613,742. 19 Claims. (Cl. 74—33.)



1. A steering wheel comprising in combination a rim, a plurality of wooden spokes and a wooden hub portion including upper and lower disks of wood with the grain of the wood at substantially right angles to each other and inner end portions of the spokes between the upper and lower surfaces of said disks.

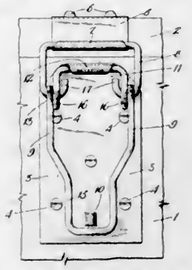
1,469,195. HARROW. WESLEY STEELE, Double Springs, Ala., assignor of one-half to W. F. Guttery, Double Springs, Ala. Filed Sept. 27, 1920. Serial No. 412,910. 1 Claim. (Cl. 55—125.)



A harrow comprising a frame including side bars, a center bar connected to the side bars, teeth carried by the last mentioned bars, fenders positioned upon opposite sides of the center bar, links having one of their ends pivotally secured to the center bar and their opposite ends pivotally secured to the forward ends of the fenders and a link connecting the rear ends of the fenders and extending transversely across and engaging the center bar.

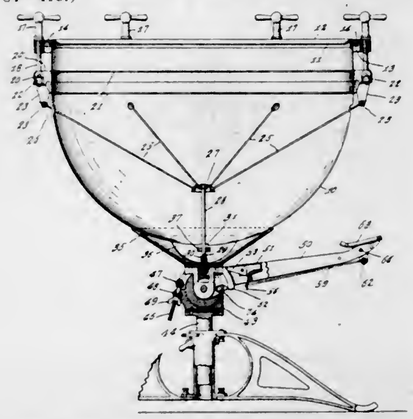
1,469,196. BOX FASTENER. EDWIN B. STRANGE, Riverdale-on-the-Hudson, N. Y., assignor to J. H. Dunning Corporation, a Corporation of New Jersey. Filed Jan. 6, 1922. Serial No. 527,295. 2 Claims. (Cl. 292—247.)

1. A box fastener comprising a plate having a resilient projecting end, a bent lever pivoted at the end thereof and having an intermediate inwardly extending coil loop within the bend on each side of the plate end, and



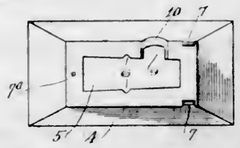
a hasp carried by the loop and adapted to be engaged with the box cover.

1,469,197. TYMPANO. CECIL H. STRUPE, Indianapolis, Ind., assignor to Leedy Manufacturing Company, Indianapolis, Ind., a Corporation of Indiana. Filed Mar. 16, 1922. Serial No. 544,169. 20 Claims. (Cl. 84—419.)



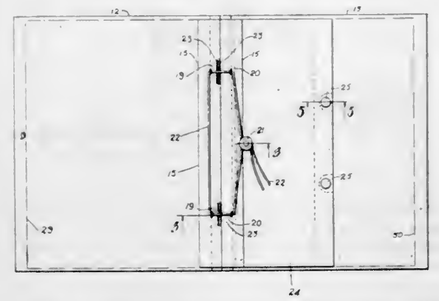
1. In a tympano, the combination with a kettle, the vibratile head and pressure ring, of a plurality of circumferentially spaced tuning members engaging said pressure ring, fixed abutments for said tuning members, a single actuating member, and a plurality of connections between said single actuating member and the plurality of tuning members whereby said tuning members may be simultaneously moved away from their abutments to vary the initial tension in the vibratile head.

1,469,198. ANCHORING INSERT FOR CONCRETE STRUCTURES. EDWARD MCTOWE, Rochester, N. Y. Filed Feb. 8, 1921. Serial No. 443,445. 4 Claims. (Cl. 72—105.)



3. An anchoring insert comprising a body having an opening in its bottom wall, the walls of the opening having provision to produce a lateral pressure on two spaced pins extending through the opening when the body is moved relatively to the pins, and having means for interlocking with the pins after such movement, and a projection carried by the bottom face of the insert adapted to be driven into a wall from which the pins project after the insert has been interlocked with the pins.

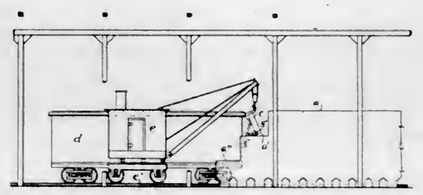
1,469,199. MUSIC-LEAF BINDER. WILFRED CHARLES TRAHER, London, Ontario, Canada. Filed June 21, 1919. Serial No. 305,774. 3 Claims. (Cl. 129—42.)



1. In a binder, a pair of cover leaves, a flexible strip connecting said leaves, spacing blocks of approximately obtuse-angled sector-shaped cross section secured with their rounded faces extending longitudinally of said strip so as to nearly fill the space therebetween when folded and movable relatively to each other into and out of contact in order to permit the cover leaves to be moved apart in order to accommodate different thicknesses of leaves, and means for securing said last-named leaves in position.

3. In a binder having backs and a binding, the combination of a lace for holding music leaves and disposed across the binding, a wire member in the form of a single length bent to form loops at its ends with the inner ends of the loops disposed closely adjacent each other and adapted to be threaded through a hole in the music leaves, said wire member being of such form that after being threaded through said hole it may be disposed crosswise of said hole and in such relation to said lace as to be held thereby against longitudinal movement.

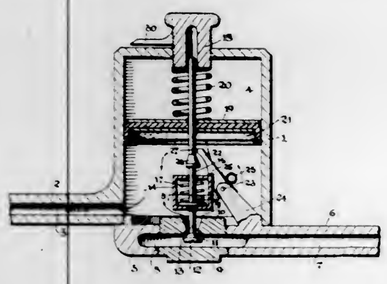
1,469,200. METHOD OF AND MEANS FOR HANDLING AND HACKING BRICKS. FRED S. WALLACE, Cleveland, Ohio. Filed Apr. 27, 1920. Serial No. 377,099. 15 Claims. (Cl. 214—6.)



1. The method of hacking bricks, which consists in assembling in a conveyor at the kiln a complete vertical tier of such bricks the full width of the cooperating carrier, moving the conveyor and contained bricks to said carrier, and placing said tier of bricks as a whole upon the carrier, substantially as set forth.

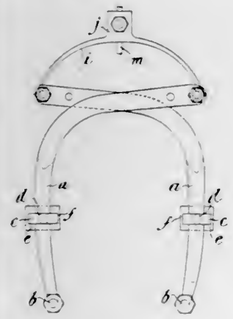
5. A conveyor for hacking bricks, comprising a wheeled truck, a support for a separate bottom row of bricks, means for withdrawing said support, and a plurality of stationary arms adapted to sustain a vertical tier of bricks, substantially as set forth.

1,469,201. AUTOMATIC INFLATING DEVICE. HOWARD FERRIS WHITTED and FRANK GERHARDT SCHULZE, Santa Paula, Calif. Filed Nov. 9, 1922. Serial No. 599,872. 8 Claims. (Cl. 50—21.)



8. In a fluid pressure control, a chamber provided with inlets and outlets for fluid under pressure, a valve for controlling the flow of fluid pressure to the chamber, and means acted upon by fluid pressure tending to close the valve, movable means for restraining the closing means, and means operated by the closing means for moving the restraining means to an inactive position whereby the closing means may be actuated to operate the valve and cut off fluid pressure to the chamber.

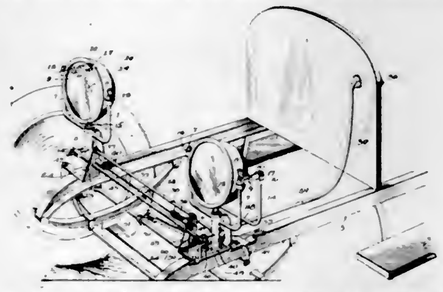
1,469,202. RIM BRAKE FOR CYCLES AND THE LIKE VEHICLES. HARRY MOUNTFORD WOOD, Morden, England. Filed Nov. 20, 1922. Serial No. 602,155. 2 Claims. (Cl. 188—24.)



1. A rim brake of the character described comprising a pair of crossed brake levers, clamping means for fulcruming each lever upon a cycle frame, an arched spring pivotally connecting the upper ends of the brake levers, and a brake rod connected to said spring intermediate its ends for transmitting pressure to theb rake levers through said spring.

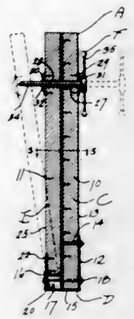
1,469,203. DIRIGIBLE HEADLIGHT. ALVIE C. WOODRUFF, Portland, Oreg. Filed July 1, 1922. Serial No. 572,142. 4 Claims. (Cl. 240—61.)

1. The combination of a pair of tubular standards having spaced arms, brackets connected to said arms, lamps arranged between said arms and having laterally projecting trunnions rotatably connected to said brackets, said trunnions being provided with cranks, vertically movable rods connected to said cranks and having their intermediate portions offset and their lower portions slidable through said tubular standards, base plates having upstanding lugs received in said tubular standards for rotatably supporting the standards, collars mounted



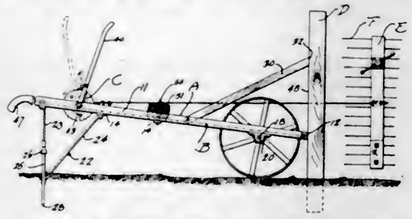
on said rods and having recesses, and an operating shaft having cranks received in said recesses and forming a means for elevating the same.

1,469,204. CLAMP FOR WIRE STRETCHERS. GRANT SMITH, Bluefield, W. Va.; Margaret R. Smith administratrix of Grant Smith, deceased. Filed July 6, 1921. Serial No. 482,743. 3 Claims. (Cl. 254—83.)



1. A clamp for wire stretchers comprising a pair of clamping jaws, a shoe engaging an end of one of said jaws to provide a pocket projecting laterally therefrom, a bolt extending transversely through said shoe, a slot in an end of said other jaw adapted to receive the bolt in said shoe pocket, adjusting means for said clamps adapted to position said jaws to engage a wire fence.

1,469,205. WIRE-FENCE STRETCHER. GRANT SMITH, Bluefield, W. Va.; Margaret R. Smith administratrix of Grant Smith, deceased. Filed July 6, 1921. Serial No. 482,744. 3 Claims. (Cl. 254—166.)



1. A wire stretching device, comprising in combination a frame, a transporting wheel mounted within said frame, ground engaging means on said frame, a brace rod pivotally and slidably mounted on said frame for cooperation with said ground engaging means to brace the wire stretcher, and wire stretching apparatus on said frame.

ALPHABETICAL LIST OF REGISTRANTS OF TRADE-MARKS.

Altfeld, Lazarus, doing business as Altfeld Drug Co., South Bend, Ind. Liver pills, headache tablets, eye balm, uterine tonic, cold and grip tablets. 172,519; Sept. 4. Serial No. 172,855; published Apr. 17, 1923.

Arlington Chemical Company, The, Yonkers, N. Y. Proteins, pollens, urease, etc. 172,546; Sept. 4; Serial No. 173,587; published May 8, 1923.

Bamberger Reinthal Company, The, Cleveland, Ohio. Caps. 172,548; Sept. 4; Serial No. 173,459; published June 5, 1923.

Bereman, James H., doing business as Stillman Freckle Cream Co., Aurora, Ill. Creams suitable for the treatment of freckles. 172,550; Sept. 4; Serial No. 173,318; published May 29, 1923.

Bon-Quin Co. (See Brown, H. Clay.)

Brown, H. Clay, doing business as The Bon-Quin Co., Shreveport, La. Medicinal tonics for the prevention and treatment of chills, etc. 173,526; Sept. 4; Serial No. 173,589; published Apr. 17, 1923.

Calhoun, Robbins & Co., New York, N. Y. Hair tonics, smelling salts, witch-hazel, peroxide, etc. 172,514; Sept. 4; Serial No. 172,207; published May 29, 1923.

Carnotite Gland Extract Company. (See McMichael, Americus O.)

Caron Corporation. (See Daltroff, E. & Cie., assignor.)

Chemical Novelty Co., Inc., New York, N. Y. Colors for frosting lamps. 172,533; Sept. 4; Serial No. 174,071; published June 5, 1923.

Daltroff, E., & Cie., doing business as Parfumerie Caron, Paris, France. Perfume, toilet water, rouges, face powder, talcum powder, etc. 172,520; Sept. 4; Serial No. 173,880; published Apr. 17, 1923.

Daltroff, E., & Cie., doing business as Parfumerie Caron, Paris, France, assignor to Caron Corporation. Perfume, face and talcum powders, etc. 172,538; Sept. 4; Serial No. 173,881; published May 29, 1923.

Daltroff, E., & Cie., doing business as Parfumerie Caron, Paris, France, assignor to Caron Corporation. Perfume, toilet water, rouges, etc. 172,539; Sept. 4; Serial No. 173,877; published May 29, 1923.

Daltroff, E., & Cie., doing business as Parfumerie Caron, Paris, France. Perfume, toilet water, rouges, face powder, talcum powder, etc. 172,532; Sept. 4; Serial No. 173,876; published Apr. 17, 1923.

Ferber, Robert R., assignor to Libby Chemical Company, West Allis, Wis. Medicated capsules for colds, la grippe, etc. 172,545; Sept. 4; Serial No. 173,821; published May 15, 1923.

Feuillie, Emile, Paris, France. Culinary salt. 172,543; Sept. 4; Serial No. 173,824; published May 15, 1923.

Fine Products Company, The, Pittsburgh, Pa. Pharmaceutical preparation consisting of alcohol. 172,544; Sept. 4; Serial No. 173,822; published May 8, 1923.

Gomi, Tadashi D., New York, N. Y. Medicine for tuberculosis, pneumonia, and pleurisy. 172,529; Sept. 4; Serial No. 173,131; published Apr. 17, 1923.

Gotham Corporation, The, New York, N. Y. Laxatives and corrective preparations. 172,521; Sept. 4; Serial No. 173,928; published Apr. 17, 1923.

Grain Belt Mills Company, South St. Joseph, Mo. Horse, dairy, hen, and chick feed, egg mash, etc. 172,513; Sept. 4; Serial No. 172,154; published May 1, 1923.

Hooven, Owens, Rentschler Company, The, Hamilton, Ohio. Piston rings. 172,549; Sept. 4; Serial No. 173,356; published June 5, 1923.

Independent Paper Mills, Inc., Brooklyn, N. Y. Paper towels, and napkins. 172,553; Sept. 4; Serial No. 174,141; published Apr. 3, 1923.

Kirkpatrick, John, Richland Center, Wis. Cheese. 172,518; Sept. 4; Serial No. 172,599; published May 1, 1923.

La Valliere Company, The, New Orleans, La. Perfume extract, toilet water, face powder, etc. 172,525; Sept. 4; Serial No. 173,604; published May 29, 1923.

Libby Chemical Company. (See Ferber, Robert R., assignor.)

Libby Chemical Company. (See Mueller, Theodore J., assignor.)

Lysle, J. C., Milling Company, The, Leavenworth, Kans. Wheat flour. 172,552; Sept. 4; Serial No. 173,699; published May 15, 1923.

McMichael, Americus O., doing business as Carnotite Gland Extract Company, Denver, Colo. Car-No-Tite baths. 172,540; Sept. 4; Serial No. 173,870; published May 8, 1923.

MacGillivray, Dr., D. D., Pine Village, Ind. Goiter ointment. 172,515; Sept. 4; Serial No. 172,278; published Apr. 17, 1923.

Manton-Gaulin Manufacturing Company, Inc., Boston and South Boston, Mass. Homogenizer for rendering homogeneous the ingredients of compounded products. 172,517; Sept. 4; Serial No. 172,425; published May 29, 1923.

Mueller, Theodore J., assignor to Libby Chemical Company, West Allis, Wis. Medicated tablets for headaches, neuralgia, and minor pains. 172,542; Sept. 4; Serial No. 173,850; published May 15, 1923.

Neal Manufacturing Co., The, Cleveland, Ohio. Pastry flour. 172,535; Sept. 4; Serial No. 174,022; published May 15, 1923.

Netherlands Corporation for Oversea Trade, Inc., New York, N. Y. Kapok and crude rubber. 172,527; Sept. 4; Serial No. 173,524; published June 5, 1923.

Netherlands Corporation for Oversea Trade, Inc., New York, N. Y. Kapok and crude rubber. 172,528; Sept. 4; Serial No. 173,522; published June 5, 1923.

Parfumerie Caron. (See Daltroff, E., & Cie.)

Parke, Davis & Company, Detroit, Mich. Ointment for eczema and irritations of the skin. 172,537; Sept. 4; Serial No. 173,903; published May 8, 1923.

Rabinow, Harry L., New York, N. Y. Hair salve and pomade. 172,523; Sept. 4; Serial No. 172,058; published Apr. 17, 1923.

Salomon & Wiener, Inc., New York, N. Y. Fur. 172,551; Sept. 4; Serial No. 173,214; published June 5, 1923.

Schroeder & Hinkle, Columbia, Pa. Egg dye. 172,547; Sept. 4; Serial No. 173,537; published May 29, 1923.

Smith Brothers, Inc., Poughkeepsie, N. Y. Cough drops. 172,522; Sept. 4; Serial No. 173,985; published May 15, 1923.

Stapleton, John T., and John T. Stapleton, Shoals, Ind. Medicine for the treatment of diphtheria and membranous croup. 172,536; Sept. 4; Serial No. 173,905; published May 8, 1923.

Stillman Freckle Cream Co. (See Bereman, James H.)

Try-Me Radiator Cement Company, Denver, Colo. Radiator cement. 172,541; Sept. 4; Serial No. 173,866; published May 8, 1923.

United Drug Company, doing business as Langlois, Boston, Mass. Perfumes, toilet waters, complexion powders, etc. 172,531; Sept. 4; Serial No. 173,793; published May 29, 1923.

Voigtländer & Sohn Aktiengesellschaft, Brunswick, Germany. Single and double telescopes and binoculars, photographic lenses and cameras. 172,524; Sept. 4; Serial No. 173,613; published May 29, 1923.

Wood, W. Lloyd, Limited, Toronto, Ontario, Canada. Antiseptic solution, mouth wash, tooth paste, etc. 172,516; Sept. 4; Serial No. 172,308; published May 15, 1923.

Yorkshire Dyeware & Chemical Company, Ltd., The, Leeds, England. Dry powdered extract of logwood. 172,530; Sept. 4; Serial No. 173,064; published May 15, 1923.

Zuercher, C. E., & Co., Chicago, Ill. Cheese. 172,534; Sept. 4; Serial No. 174,052; published May 15, 1923.

ALPHABETICAL LIST OF REGISTRANTS OF LABELS.

Butler, John O., Chicago, Ill. The Dr. Butler Tooth Brush. For Toothbrushes. 26,339; Sept. 4.

Casavant, Margaret G., doing business as M. G. & F. C. Casavant, Haverhill, Mass. Margaret's. For a Hair Tonic. 26,340; Sept. 4.

Danya, Inc., New York, N. Y. Danya. For Rouge Vanishing Cream. 26,341; Sept. 4.

Haberman, Herman W., Brooklyn, N. Y. Haberman's Views of New York. For Souvenir Postal Cards. 26,342; Sept. 4.

Hartford, W. H., and J. N. Hartford, Nashville, Tenn. Hart-Ford. For Containers for Hosiery. 26,343; Sept. 4.

Hills Brothers Company, The, New York, N. Y. Dromedary Coconut. For Packaged Coconut. 26,344; Sept. 4.

Individual Drinking Cup Company, Inc., Easton, Pa. Dixie Cups. For Drinking Cups. 26,345; Sept. 4.

J. & G. Laboratory. (See Margowski, Geo, L.)

Kaiser-Ford Co., Los Angeles, Calif. We Put The 'O's In Potato's. For Potato Waffles or Chips. 26,346; Sept. 4.
Keagy, Martin L., doing business as Lion Chemical Laboratories, Canton, Ohio. Lion. For a Water-Softener Washing Powder. 26,347; Sept. 4.
Kopf Bros. Co., The, New Haven, Conn. Sun-E-Isle Grape Fruit. For Grapefruit. 26,348; Sept. 4.
Lion Chemical Laboratories. (See Keagy, Martin L.)
Margowski, Geo. L., doing business as J. & G. Laboratory, Detroit, Mich. Per-Spire-Gone. For an Antiseptic and Deodorant. 26,349; Sept. 4.
Melnick, Isadore A., Los Angeles, Calif. Mel-Aroma. For a Remedy for Stomach Disorders and Constipation. 26,350; Sept. 4.
Menasha Printing and Carton Company, Menasha, Wis. Raisin Bread Made With Sun-Maid Raisins. For Bread. 26,351; Sept. 4.
Mynuette Company, The, Milwaukee, Wis. Fruit-Kist. For Lip Sticks. 26,352; Sept. 4.
Peck, Elbert C., Los Angeles, Calif. Peck's Pure Paints. For Paint. 26,353; Sept. 4.
Sima, Albert, Chicago, Ill. Elite. For Cigars. 26,354; Sept. 4.
Toilet Products "A" Co., Brooklyn, N. Y. Amberol. For a Liquid Shampoo. 26,355; Sept. 4.
Toilet Products "A" Co., Brooklyn, N. Y. Toilet Water. For Toilet Water. 26,356; Sept. 4.
Trostler, Max F., Cleveland, Ohio. The Teachewrself Dance Record. For Dance Records. 26,357; Sept. 4.
Twinkle Polish Corporation, New York and Brooklyn, N. Y. Twinkle. For a Metal and Glass Polish. 26,358; Sept. 4.
Union Furnace Manufacturing Company, Inc. Union Furnace and Altoona, Pa. Arrowhead Shovels, Scoops, Spades. For Shovels, Scoops, and Spades. 26,359; Sept. 4.
Ward Baking Company, New York, N. Y. Ward's Mother Hubbard Bread. For Bread. 26,360; Sept. 4.
Ward Baking Company, New York, N. Y. Ward's Breko Loaf. For Cake. 26,361; Sept. 4.
Webb, M. G., Flavoring Products Co., Newark, N. J. The Old Fashioned Kind. For Vanilla. 26,362; Sept. 4.

ALPHABETICAL LIST OF REGISTRANTS OF PRINTS.

Damm, Max Co., Inc., Newark, N. J., and New York, N. Y. Brief-O'Grip. For Brief Cases. 6,873; Sept. 4.

Libby, McNeill & Libby, Chicago, Ill. Libby's Fancy Red Alaska Salmon. For Salmon. 6,874; Sept. 4.

"Onyx" Hosiery Inc., New York, N. Y. "Onyx" Hosiery. For Hosiery. 6,875; Sept. 4.
United States Bronze Powder Wks. Inc., New York, N. Y. Three Star Brands. For Bronze Powders. 6,876; Sept. 4.

ALPHABETICAL LIST OF TRADE-MARK APPLICANTS.

PUBLISHED FOR OPPOSITION.

[Act of Feb. 20, 1905, Sec. 6, as amended Mar. 2, 1907.]

Acme Can Company, Philadelphia, Pa. Plain, decorated, and lithographed tin, metal, and paper packages. 180,203; Sept. 4.
Aird-Don Co., Troy, N. Y. Boilers for heating purposes. 179,254; Sept. 4.
Alberts, Jacob L., doing business as Alberts Manufacturing Co., New York, N. Y. Bandeaux and corsets. 172,024; Sept. 4.
Alberts, Jacob L., doing business as Alberts Manufacturing Co., New York, N. Y. Bandeaux and corsets. 172,501; Sept. 4.
Alden, Clarence J., doing business as The Painesville Metallic Binding Co., Painesville, Ohio. Metallic flat curtain rods. 176,867; Sept. 4.
Alden Manufacturing Company, Springfield, Mass. Parts for radio apparatus. 180,953; Sept. 4.
Alexandria Coffee Company. (See Yates, Claude R.)
Allied Belting Company, The, Greenville, Ohio. News bags, aprons, and coal bags. 179,128; Sept. 4.
Al-Lon Manufacturing Company, Inc., Baltimore, Md. Shoe bags, clothes protectors, clothespin aprons. 180,647; Sept. 4.
American Cotton Oil Company, The, Union Township, near Guttenberg, N. J., and New York, N. Y. Edible oils and fats. 178,944; Sept. 4.
American Thermos Bottle Company, Norwich, Conn. Temperature-retaining vessels. 181,102; Sept. 4.
Anthracite Supply Company. (See Isreal, Ralph.)
Art Ornament Co., The, New York, N. Y. Manicure sets. 179,450; Sept. 4.
Assets Producing Company, doing business as Atlantic-Pacific Paint Works, Chicago, Ill. Ready-mixed paints, varnishes, stains, and colors. 179,921; Sept. 4.
Athens Hosiery Mills, Athens, Tenn. Misses' hosiery. 176,530; Sept. 4.
Atlantic-Pacific Paint Works. (See Assets Producing Company.)
Banning, Margery A., Evanston, Ill. Ginger bread and cookies. 158,592; Sept. 4.
Battle Creek Food Company, The, Battle Creek, Mich. Vegetable food consisting of wheat protein combined with nuts. 176,816; Sept. 4.
Bellevue Kraut & Pickling Co., The, Bellevue, Ohio. Canned sauerkraut. 182,125; Sept. 4.
Benedict, T. N., Mfg. Co., East Syracuse, N. Y. Silver-plated table and hollow ware and articles plated with precious metals. 167,671; Sept. 4.
Bethlehem Steel Company, Bethlehem, Pa. Metal valves for mains and pipes. 179,845; Sept. 4.
Blackman & Blackman, New York, N. Y. Catheters, ear and ulcer syringes, finger cots, etc. 179,986; Sept. 4.
Bradas & Gheens. (See Gheens, C. E.)
Bresler, Abraham N., doing business as Lubraseptol Co., New York, N. Y. Lubricants for dental engines and general lubricant purposes. 180,959; Sept. 4.
Brine, James W., Company, Boston, Mass. Shoe bags and skate bags. 172,729; Sept. 4.
Brune, Pottberg & Co., New York, N. Y. Cotton piece goods. 182,202; Sept. 4.
Brune, Pottberg & Co., New York, N. Y. Cotton piece goods. 182,201–2; Sept. 4.
Cabot, Godfrey L., Inc., Boston, Mass. Carbon black. 176,068; Sept. 4.
Cadet Knitting Company, Philadelphia, Pa. Sweater coats. 180,652; Sept. 4.
California Fruit Growers Exchange, Los Angeles, Calif. Citrous fruits in their natural state. 173,621; Sept. 4.
California and Hawaiian Sugar Refining Corporation, San Francisco, Calif. Sugar. 165,352; Sept. 4.
Campbell, John B., Philadelphia, Pa. Water wheels. 180,046; Sept. 4.
Canadian Wm. A. Rogers, Limited, Toronto, Ontario, Canada. Cones, particularly paper cones. 180,841; Sept. 4.
Capital Rodewite Company, Incorporated, South Washington, Va. Compositions for use as adhesives for wood and similar types of blocks laid on flooring or paving. 180,653; Sept. 4.
Cardinet Candy Company, Oakland, Calif. Candy. 181,878; Sept. 4.
Central Tractor Company, The, Greenwich, Ohio. Tractors, cultivators, and sulky plows. 180,748; Sept. 4.
"Cérès" Docks, Minoterie, Semoulerie, Pates Alimentaires, Nice, France. Semolinas, rices, alimentary pastes, and biscuits. 153,386; Sept. 4.
Chan, L. C., & Company, San Francisco, Calif. Chop-suey sauce. 168,753; Sept. 4.
Chance, Albert B., doing business as Chance Company, Centralia, Mo. Piston rings. 153,441; Sept. 4.
Charter Chocolate Company, Boston, Mass. Candy. 181,816; Sept. 4.
Cincinnati Wholesale Grocery Company, The, Cincinnati, Ohio. Canned peas, corn, tomatoes, and pineapple. 177,361; Sept. 4.
Clark Rubber Manufacturing Co., Franklin, Mass. Rubber outsoles, insoles, and half soles, rubber heels. 179,715; Sept. 4.
Consolidated Textile Corporation, New York, N. Y. Mercerized cotton piece goods. 181,559; Sept. 4.
Continental Radio & Electric Corporation, New York, N. Y. Radio transmitting and receiving sets and parts thereof, vacuum cleaners, etc. 175,712; Sept. 4.
Continental Roofing & Manufacturing Co., The, Highlandtown, Baltimore, Md. Green mineral surface roofing. 180,049; Sept. 4.
Continental Roofing & Manufacturing Co., The, Highlandtown, Baltimore, Md. Asphalt mineral surface roofing. 180,050; Sept. 4.
Continental Roofing & Manufacturing Co., The, Highlandtown, Baltimore, Md. Roofing material. 180,051; Sept. 4.
Cooper, Davidson & Klein Cap Company, St. Louis, Mo. Men's, boys', and children's caps. 171,486; Sept. 4.
Coops Bros., Sonoma, Calif. Fresh deciduous fruits. 181,881; Sept. 4.
Cott-a-lap Company, The, Somerville, N. J. Advertising signs. 181,980; Sept. 4.

PUBLISHED FOR OPPOSITION.

[Act of Feb. 20, 1905, Sec. 6, as amended Mar. 2, 1907.]

Coty, Inc., Wilmington, Del., and New York, N. Y. Perfumes, toilet water, face, sachet, and talcum powder. etc. 180,099; Sept. 4.
Crown Williamette Paper Company, San Francisco, Calif. Paper bags. 182,401; Sept. 4.
Dayton Company, The, Minneapolis, Minn. Hosiery. 182,335; Sept. 4.
Detourbe, Maurice L., Paris, France. Ready-mixed paints, varnishes, dry colors, etc. 181,682–4; Sept. 4.
Dickinson Fuel Company, Dallas, Tex. Blacksmith coal. 181,253; Sept. 4.
D'Orlando & Co. Ltd., Boston, Mass. Candy and chocolates. 168,357; Sept. 4.
Drabek, Charles, doing business as Painters Supply Co., Cleveland, Ohio. Ready-mixed paints, varnishes, paint enamels, stains. 165,859; Sept. 4.
Drabek, Charles, doing business as Painters Supply Co., Cleveland, Ohio. Ready-mixed paints and paint enamels. 182,502; Sept. 4.
Dudley, Hettie J., Richmond, Va. Fancy bags of cloth. 180,056; Sept. 4.
Eberhardt, Robert, doing business as Pull-Grip Electric Company, New York, N. Y. Incandescent-lamp sockets, fuse sockets and switches. 180,923; Sept. 4.
Electrical Alloy Company, The, Morristown, N. J. Electric resistance materials. 165,365; Sept. 4.
Elm Refining Company, Stamford, Conn. Dental alloy and dental gold and silver. 178,717; Sept. 4.
Elowsky, S. M., & Co., Brooklyn, N. Y. Athletic apparel. 177,478; Sept. 4.
Engravograph Corporation, The, New York, N. Y. Electric engraving machines. 181,261; Sept. 4.
Evertasty Confection Co. (See Sperber, Samuel N.)
Farber Brothers, New York, N. Y. Silver-plated hollow ware. 175,191; Sept. 4.
Farley Harvey Company, The, Boston, Mass. Dry goods. 183,204; Sept. 4.
Fitch Company, The, Youngstown, Ohio. Coffee. 174,565; Sept. 4.
Florida Citrus Exchange, Tampa, Fla. Canned citrous fruits, grapefruit. 179,862; Sept. 4.
Ford Flour Company, Wilmington, Del., and Nashville, Tenn. Self-rising wheat flour. 177,081; Sept. 4.
Frederiksen, Felix M., Little Falls, N. Y. Cheese. 176,735; Sept. 4.
Fry Bros. Company, The, Cincinnati, Ohio. Laundry bags of net material. 180,277; Sept. 4.
Furnaseal Mfg. Co., Chicago, Ill. Refractory cements and protective plaster coatings. 179,405; Sept. 4.
Geller, F. W., Inc., New York, N. Y. Colors ground in oils, oil paints, enamel paints, etc. 177,732; Sept. 4.
General Porcelain Company, Parkersburg, W. Va. Cut-outs, receptacles, sockets, fuse plugs, etc. 172,219; Sept. 4.
Gheens, C. E., doing business as Bradas & Gheens, Louisville, Ky. Candy. 169,709; Sept. 4.
Gilmore Petroleum Company, Los Angeles, Calif. Kerosene and lubricating oils. 166,558; Sept. 4.
Gold Medal Water-Proofing Co., Oakland, Calif. Ready-mixed and paste paints. 168,605; Sept. 4.
Goldsmith, Nathan, New York, N. Y. Fresh tomatoes. 179,664; Sept. 4.
Goodman, A., & Sons, Inc., New York, N. Y. Matzoths. 162,732; Sept. 4.
Granite Cordage Company, Granite Falls and Hickory, N. C. Cords, twines, ropes, and lines. 179,196; Sept. 4.
Gray & Bretey Co., New York, N. Y. Luminous paint. 179,199; Sept. 4.
Greater Manhattan Knitting Mills, Inc., New York, N. Y. Boys' and men's sweaters. 162,543; Sept. 4.
Greenfield's, E., Sons, New York and Brooklyn, N. Y. Chocolates and candies. 179,790; Sept. 4.
Grigsby-Grunow-Hinds Co., Chicago, Ill. Reels of electric connecting conductors. 162,991; Sept. 4.
Handley, Peter, Garland, Tex. Preparation for headache, neuralgia, etc. 179,148; Sept. 4.
Haskins Bros. Company, Sioux City, Iowa. Soap. 179,201; Sept. 4.
Haskins & Welton, assignor to Welton & Company, Chicago, Ill. Chemical tissue for use as a surgical dressing. 144,720; Sept. 4.
Heepe, Richard, Brooklyn, N. Y. Antifreezing liquid. 176,181; Sept. 4.
Hercules Gasoline Co., Los Angeles, Calif. Gasoline, kerosene, petroleum, etc. 169,130; Sept. 4.
Hill Clothes Dryer Co., Worcester, Mass. Clothes driers, balcony clothes driers, etc. 180,282; Sept. 4.
Hill, Herbert M., Leonia, N. J. Electrical connector clips and clamps for amateur radio use. 178,612; Sept. 4.
Hockaday Company, The, Chicago, Ill. Wall finishes. 179,939; Sept. 4.
Holland Knitting Co., Brooklyn, N. Y. Men's fashioned ties made of knitted silk. 182,586; Sept. 4.
Ideal Caramel Company, Inc., Johnson, N. Y. Candies, candy confections, sweetmeats, and chewing gum. 177,227; Sept. 4.
Independent Service Station Association, Los Angeles, Calif. Gasoline. 180,979; Sept. 4.
Indianapolis Manufacturing Company, Indianapolis, Ind. Electric battery separators. 151,581; Sept. 4.
Isreal, Ralph, doing business as Anthracite Supply Company, Wilkes-Barre, Pa. Washboilers. 177,439; Sept. 4.
Jackson Corset Company, Jackson, Mich. Corsets. 178,723; Sept. 4.
Johnson, S. C., & Son, Racine, Wis. Polishing brushes. 182,101; Sept. 4.
Jointless Fire-Brick Co., Chicago, Ill. Fire-resistance cement for forming furnace linings. 181,568; Sept. 4.
Jonkoping och Vulcans Tandsticksfabriksaktiebolag, Jonkoping, Sweden. Matches. 140,437; Sept. 4.
Jonkoping och Vulcans Tandsticksfabriksaktiebolag, Jonkoping, Sweden. Matches. 140,439; Sept. 4.
Jonkoping och Vulcans Tandsticksfabriksaktiebolag, Jonkoping, Sweden. Matches. 140,444; Sept. 4.
Jonkoping och Vulcans Tandsticksfabriksaktiebolag, Jonkoping, Sweden. Matches. 140,446–7; Sept. 4.
Jonkoping och Vulcans Tandsticksfabriksaktiebolag, Jonkoping, Sweden. Matches. 140,449–50; Sept. 4.
Jonkoping och Vulcans Tandsticksfabriksaktiebolag, Jonkoping, Sweden. Matches. 140,452–4; Sept. 4.
Jonkoping och Vulcans Tandsticksfabriksaktiebolag, Jonkoping, Sweden. Matches. 140,456–8; Sept. 4.
Kafex, Incorporated, New York, N. Y. Coffee substitute. 153,352; Sept. 4.
Katzmun, A. M., Corp., New York, N. Y. Perfumes. 180,069; Sept. 4.
Keeley Stove Company, The, Columbia, Pa. Coal, wood, and gas cooking and heating stoves and ranges and furnaces and heaters. 178,392; Sept. 4.
Keferstein, Starr & Co., Inc., New York, N. Y. Sealing wax. 180,800; Sept. 4.
Kings County Packing Co., Armona, Calif. Canned fruits. 168,422; Sept. 4.
Klein, Adolf J., doing business as Sheik Toilet Products Company, Chicago, Ill. Hair dressing. 177,443; Sept. 4.
L & L Knit Goods Mfr's. Ass'n. of Greater New York, Inc., Brooklyn, N. Y. Knit sweaters and sweater coats, vests, etc. 182,592; Sept. 4.
Landers, Frary & Clark, New Britain, Conn. Electrically-driven laundry washing machines. 180,376; Sept. 4.
Lee County Packing Co., Fort Myers, Fla. Fresh citrous fruits. 178,261; Sept. 4.
Lehman, J. & D., Company Inc., New York, N. Y. Gloves, gauntlets, boy scout gauntlets, mittens, cuffs, etc. 178,618; Sept. 4.
Libby, McNeill & Libby, Chicago, Ill. Canned, dried, and preserved fruits, berries, vegetables, etc. 176,268; Sept. 4.
Lionel Corporation, The, New York, N. Y. Toy transformers. 129,731; Sept. 4.
Long, William R., St. Louis, Mo. Adhesives. 181,289; Sept. 4.
Lubraseptol Co. (See Bresler, Abraham N.)
Lyon, J. H., & Co., Montgomery, Ala. Hosiery. 182,597; Sept. 4.
Lytton, Walter, Inc., Chicago, Ill. Combination phonograph and radio receiving sets, loud speakers, etc. 169,814; Sept. 4.
Manhattan Rubber Mfg. Co., Passaic, N. J. Brake lining. 166,839; Sept. 4.
Mannesmannröhren Werke, Dusseldorf, Germany. Ammonia, chlorine, hydrogen, oxygen, and carbon-dioxide cylinders, bottles, flasks, etc. 163,688; Sept. 4.
Marret, Bonnin, Lebel & Guieu, Paris, France. Alloy intended to be used for jewelry and jewelers' goods. 180,018; Sept. 4.
Mayhew, James N., Co., Inc., Minneapolis, Minn. Shoe and slipper trees. 182,427; Sept. 4.
M'Caw, Stevenson & Orr, Ltd., Belfast, Ireland. Adhesives. 164,181; Sept. 4.
Meridie, Anne, Company, The. (See Neilson, Mary D.)
Midland Refining Company, The, Eldorado, Kans. Lubricating oils. 182,216; Sept. 4.
Military Order of the Cootie, New York and Brooklyn, N. Y. Cuts, emblems, and collar devices. 166,316; Sept. 4.
Miller Rubber Company, The, Akron Ohio. Tires. 181,702; Sept. 4.
Montgomery Ward & Co., Chicago, Ill. Prepared roofings, roofing and building papers, etc. 183,079; Sept. 4.
Moore, Benjamin, & Co., Jersey City, N. J., and Brooklyn, N. Y. Ready-mixed paints. 180,803; Sept. 4.
Moses, Abram, Baltimore, Md. Window and door sills, lintels, arches, cornices, etc. 182,109; Sept. 4.
National Cap Manufacturing Company, Incorporated. Men's, youths', and boys' caps. 178,862; Sept. 4.
National Retail Hardware Association, Argos and South Bend, Ind. Monthly magazine. 180,383; Sept. 4.
Naujoks-McLaughlin, Los Angeles, Calif. Mouthpieces of reed and wind instruments. 179,052; Sept. 4.
Neilson, Mary D., doing business as The Anne Meridie Company, Minneapolis, Minn. Underwear. 162,435–6; Sept. 4.
Neuhoff, Fred B., doing business as Fred B. Neuhoff Company, Los Angeles, Calif. Canned fruits and vegetables. 171,856; Sept. 4.

ALPHABETICAL LIST OF TRADE-MARK APPLICANTS.

PUBLISHED FOR OPPOSITION.

[Act of Feb. 20, 1905, Sec. 6, as amended Mar. 2, 1907.]

New Jersey Charcoal Co. Inc., Irvington, N. J. Charcoal. 179,379; Sept. 4.
New York Merchandise Company, New York, N. Y. Hosiery. 182,604; Sept. 4.
New Zealand Co-Operative Dairy Co., Limited, The, Hamilton, New Zealand. Butter and cheese. 168,332; Sept. 4.
Nonvo Laboratories, Los Angeles, Calif. Medicinal preparations used as a fat reducer. 178,863; Sept. 4.
Owen-Dyneto Corporation, Syracuse, N. Y. Electric generators, dynamos, motors, electric ignition apparatus, etc. 181,611; Sept. 4.
Painesville Metallic Binding Co., The. (See Alden, Clarence J.)
Painters Supply Co. (See Drabek, Charles.)
Pelican Bay Lumber Company, Klamath Falls, Oreg. Lumber, laths, molding, sidings. 180,078; Sept. 4.
Perfect Stove & Manufacturing Co., Belleville, Ill. Coal and gas stoves and ranges. 175,782; Sept. 4.
Petroleum Service Corporation, Minneapolis, Minn. Liquid fuel. 170,753; Sept. 4.
Phillips & Slack, Inc., Northfield, Vt. Monumental blocks of granite. 182,548; Sept. 4.
Poland Soap Works, Anniston, Ala. Washing powder, soap, and soap stock. 161,792; Sept. 4.
Press, C. M., & Co. (See Press, Candace M.)
Press, Candace M., doing business as C. M. Press & Co., Conneaut, Ohio. Preparation for pyorrhea, abscesses, sores, cancer, and ulcers. 174,637; Sept. 4.
Pull-Grip Electric Company. (See Eberhardt, Robert.)
Quaker Oats Company, The, Chicago, Ill. Rolled oats. 174,751; Sept. 4.
Quaker Oats Company, The, Chicago, Ill. Farinaceous stock feed. 174,918; Sept. 4.
Radiocelve Manufacturing Company, Newark, N. J. Telephone head sets. 164,075; Sept. 4.
Radiograms, Inc., Hollywood, Calif. Motion-picture films. 166,150; Sept. 4.
Randell & Co., New York, N. Y. Medicinal belt for treatment of kidneys. 179,112; Sept. 4.
Reed, E. P., & Co., Rochester, N. Y. Shoes made of leather. 180,553–4; Sept. 4.
Rein, F. Charles, & Son, America, Inc., New York, N. Y. Instruments for aiding the hearing. 180,080; Sept. 4.
Republic Rubber Company, The, Youngstown, Ohio. Tire casings. 178,300; Sept. 4.
Rolup Screen Company, Wilmington, Del., and New York, N. Y. Article made of canvas or other fabric having metal cross strips and roller. 171,511; Sept. 4.
Rosenberg, Henry, New York, N. Y. Belts. 173,248; Sept. 4.
Ruberoid Co., The, Boundbrook, N. J., and New York, N. Y. Bituminized roofings, shingles, and strip shingles. 182,721; Sept. 4.
Sahrbeck, Peter W., New York, N. Y. Eggs. 176,694; Sept. 4.
Salt's Textile Manufacturing Company, The, Bridgeport, Conn. Women's, children's, and infants' coats, cloaks, wraps, suits, etc. 160,371; Sept. 4.
San Jose Canning Co., San Jose, Calif. Canned vegetables. 179,484; Sept. 4.
Sang Yuen & Co., San Francisco, Calif. Product made of beans. 174,162; Sept. 4.
Santa Paula Citrus Fruit Association, Santa Paula, Calif. Fresh lemons. 163,702; Sept. 4.
Scheel, William H., New York, N. Y. Lacquer compositions. 181,961; Sept. 4.
Schwarzwaelder Company, Philadelphia, Pa. Waterproof fabrics. 182,676; Sept. 4.
Serrurier, Iwan, Altadena, Calif. Cabinet motion-picture apparatus. 174,228; Sept. 4.
Sheik Toilet Products Company. (See Kleis, Adolf J.)
Sherman, H. B., Manufacturing Co., Battle Creek, Mich. Electric motors and parts thereof. 181,223; Sept. 4.
Sierra Pacific Canning Co., San Francisco, Calif. Canned fruits and vegetables. 181,916; Sept. 4.
Singer Manufacturing Company, The, New York, N. Y., and Elizabeth, N. J. Electric motors and parts, controllers and parts thereof, electric lamps, etc. 181,703; Sept. 4.
Solax Drug Company Inc., Philadelphia, Pa. Vegetable laxative tablets. 180,455; Sept. 4.
Solomon Mfg. Co., St. Louis, Mo. Children's, misses', and women's wearing apparel. 167,663; Sept. 4.
Sorrick-Caylor Company, The, Dalton, Ga. Bedspreads. 182,366; Sept. 4.
Spears & Riddle Co., Wheeling, W. Va. Gasoline and lubricating oils. 174,756; Sept. 4.
Sperber, Samuel N., doing business as Evertasty Confection Co., Albany, N. Y. Confection comprising fruits, nuts, pop corn, and a suitable binder. 159,533; Sept. 4.
Spyroseal Manufacturing Company, St. Louis, Mo. Piston rings. 143,017; Sept. 4.
Standard Asphalt & Refining Company, Jersey City, N. J., and Chicago, Ill. Pipe coating, acidproof tank lining, expansion joint, refrigerator compound. 131,987; Sept. 4.
Standard Oil Company (Incorporated in New Jersey), Bayonne, N. J. Lubricating oils. 182,386; Sept. 4.
Stein, A., & Company, Chicago, Ill. Arm bands and suspenders. 179,118; Sept. 4.
Stein, A., & Company, Chicago, Ill. Rubber sheeting. 183,005; Sept. 4.
Steiner, Clarence S., Asbury Park, N. J. Sleeping garments, underwear, shirt waists, and bloomers. 180,309; Sept. 4.
Stalling Milk Company, Oklahoma, Okla. Preserved milk, cream, and milk-chocolate drinks. 178,297; Sept. 4.
Strauss, Lester A., New York, N. Y. Fresh limes and lemons. 179,493; Sept. 4.
Surfix Chemical Co., Detroit, Mich. Finishing or polishing material. 180,904; Sept. 4.
Taintor Company, The, New York, N. Y. Paris white. 176,315; Sept. 4.
Taylor, T. Buckley, Inc., Trenton, N. J. Cement for use in repairing musical instruments. 181,240; Sept. 4.
Toch Brothers, Incorporated, New York, N. Y. Flat-white coatings for use on plastered walls. 183,128; Sept. 4.
Twohy-Smith Company, Superior, Wis. Dried fruits, canned vegetables, peanut butter, etc. 176,809–10; Sept. 4.
U. S. Industrial Chemical Co., Baltimore, Md. Fertilizers. 141,284; Sept. 4.
U. S. Paper Goods Co., The, Cincinnati, Ohio. Paper bags. 180,911; Sept. 4.
United Alloy Steel Corporation, New York, N. Y., and Canton, Ohio. Rolled, pressed, and formed channels and L channels for use in building construction. 154,893; Sept. 4.
United Appliance Company, Jackson, Mich. Electric washing machines. 177,253; Sept. 4.
Unné, Ernst, Harrogate, York, England. Apparatus or appliance for massaging the teeth and gums. 178,152; Sept. 4.
Vacuum Oil Company, New York, N. Y. Lubricating oils. 182,079; Sept. 4.
Vogt, F. G., & Sons, Inc., Philadelphia, Pa. Lard, 179,756–7; Sept. 4.
Ward Baking Company, New York, N. Y. Bread, rolls, biscuits, cakes, etc. 175,374; Sept. 4.
Webb, Thomas J., Company, Chicago, Ill. Coffee. 178,787; Sept. 4.
Webb, Thomas J., Company, Chicago, Ill. Coffee. 178,789; Sept. 4.
Weber, David, & Co., Philadelphia, Pa. Corrugated fiber and paper boxes, envelopes, wrappers, etc. 180,512; Sept. 4.
Weber & Heilbroner, New York, N. Y. Men's suits. 152,690; Sept. 4.
Western Materials Company, Chicago, Ill. High-temperature cement. 179,249; Sept. 4.
Westfield Manufacturing Company, Westfield, Mass. Bicycles, tricycles, and parts thereof. 172,456; Sept. 4.
Westlake Chemical Co. Inc., Westlake, La. Fertilizer. 182,240; Sept. 4.
Wheeler, Osgood Company, The, Tacoma, Wash. Fir doors, moldings, veneered panels, plywood, etc. 182,027; Sept. 4.
White Stokes Co., Inc., Chicago, Ill. Base or filler for candy. 178,792; Sept. 4.
Willowbrook Chemical Works, Los Angeles, Calif. Lubricating oil. 180,459; Sept. 4.
Wincroft Stove Works, Middletown, Pa. Gas ranges. 180,636; Sept. 4.
Woolsen Spice Co., The, Toledo, Ohio. Teas and spices. 158,664; Sept. 4.
Yates, Claude R., doing business as Alexandria Coffee Company, Alexandria, Va. Coffee. 173,458; Sept. 4.
Zellerbach Paper Company, San Francisco, Calif. Paper bags. 182,433; Sept. 4.
Zellerbach Paper Company, San Francisco, Calif. Paper bags. 182,455–60; Sept. 4.

CLASSIFIED LIST OF TRADE-MARKS REGISTERED.

CLASS 1.

Fur. Salomon & Wiener. 172,551; Sept. 4; Serial No. 173,214; published June 5, 1923.
Kapok and crude rubber. Netherlands Corporation for Overseas Trade, Inc. 172,527; Sept. 4; Serial No. 173,524; published June 5, 1923.
Kapok and crude rubber. Netherlands Corporation for Oversea Trade, Inc. 172,528; Sept. 4; Serial No. 173,522; published June 5, 1923.

CLASS 6.

Antiseptic solution, mouth wash, tooth paste, etc. W. Lloyd Wood, Limited. 172,516; Sept. 4; Serial No. 172,308; published May 15, 1923.
Baths, Car-No-Tite. A. O. McMichael. 172,540; Sept. 4; Serial No. 173,870; published May 8, 1923.
Capsules for colds, la grippe, etc., Medicated. R. R. Ferber. 172,545; Sept. 4; Serial No. 173,821; published May 15, 1923.
Cement, Radiator. Try-Me Radiator Cement Company. 172,541; Sept. 4; Serial No. 173,866; published May 8, 1923.
Cough drops. Smith Brothers, Inc. 172,522; Sept. 4; Serial No. 173,985; published May 15, 1923.
Creams for freckles. J. H. Bereman. 172,550; Sept. 4; Serial No. 173,318; published May 29, 1923.
Dye, Egg. Schroeder & Hinkle. 172,547; Sept. 4; Serial No. 173,537; published May 29, 1923.
Hair salve and pomade. H. L. Rabinow. 172,523; Sept. 4; Serial No. 172,058; published Apr. 17, 1923.
Hair tonics, smelling salts, witch-hazel, etc. Calhoun, Robbins & Co. 172,514; Sept. 4; Serial No. 172,207; published May 29, 1923.
Lamps, Colors for frosting. Chemical Novelty Co. 172,533; Sept. 4; Serial No. 174,071; published June 5, 1923.
Logwood extract. Yorkshire Dyeware & Chemical Company. 172,530; Sept. 4; Serial No. 173,064; published May 15, 1923.
Medicated tablets for headaches, etc. T. J. Mueller. 172,542; Sept. 4; Serial No. 173,850; published May 15, 1923.
Medicinal tonics for the prevention and treatment of chills, etc. H. C. Brown. 173,526; Sept. 4; Serial No. 173,589; published Apr. 17, 1923.
Medicine for the treatment of diphtheria and membranous croup. John T. Stapleton and John Tracy Stapleton. 172,536; Sept. 4; Serial No. 173,905; published May 8, 1923.
Medicine for tuberculosis, pneumonia, and pleurisy. T. D. Gomi. 172,529; Sept. 4; Serial No. 173,131; published Apr. 17, 1923.
Ointment. Parke, Davis & Company. 172,537; Sept. 4; Serial No. 173,903; published May 8, 1923.
Ointment, Goiter. Dr. D. D. MacGillivray. 172,515; Sept. 4; Serial No. 172,278; published Apr. 17, 1923.
Perfume extract, toilet water, face powder, etc. La Valliere Company. 172,525; Sept. 4; Serial No. 173,604; published May 29, 1923.
Perfume, face powder, etc. E. Daltroff & Cie. 172,538; Sept. 4; Serial No. 173,881; published May 29, 1923.
Perfume, rouges, etc. E. Daltroff & Cie. 172,539; Sept. 4; Serial No. 173,877; published May 29, 1923.
Perfume, toilet water, rouges, face powder, etc. E. Daltroff & Cie. 172,520; Sept. 4; Serial No. 173,880; published Apr. 17, 1923.
Perfume, toilet water, rouges, face powder, etc. E. Daltroff & Cie. 172,532; Sept. 4; Serial No. 173,876; published Apr. 17, 1923.
Perfumes, toilet waters, powders, and sachets. United Drug Company. 172,531; Sept. 4; Serial No. 173,793; published May 29, 1923.
Pharmaceutical preparations. Fine Products Company. 172,544; Sept. 4; Serial No. 173,822; published May 8, 1923.
Pills, headache tablets, eye balm, etc., Liver. L. Altfeld. 172,519; Sept. 4; Serial No. 172,855; published Apr. 17, 1923.
Preparations, Laxatives and corrective. Gotham Corporation. 172,521; Sept. 4; Serial No. 173,928; published Apr. 17, 1923.
Proteins, pollens, urease, etc. Arlington Chemical Company. 172,546; Sept. 4; Serial 173,587; published May 8, 1923.
Salt, Culinary. E. Feuillie. 172,543; Sept. 4; Serial No. 173,824; published May 15, 1923.

CLASS 23.

Homogenizer. Manton-Gaulin Manufacturing Company. 172,517; Sept. 4; Serial No. 172,425; published May 29, 1923.

CLASS 26.

Telescopes, binoculars, photographic lenses and cameras. Voigtlländer & Sohn Aktiengesellschaft. 172,524; Sept. 4; Serial No. 173,613; published May 29, 1923.

CLASS 35.

Piston rings. Hooven, Owens, Rentschler Company. 172,549; Sept. 4; Serial No. 173,356; published June 5, 1923.

CLASS 37.

Paper towels and napkins. Independent Paper Mills, Inc. 172,553; Sept. 4; Serial No. 174,141; published Apr. 3, 1923.

CLASS 39.

Caps. Bamberger Reinthal Company. 172,548; Sept. 4; Serial No. 173,457; published June 5, 1923.

CLASS 46.

Cheese. J. Kirkpatrick. 172,518; Sept. 4; Serial No. 172,599; published May 1, 1923.
Cheese. C. E. Zuercher & Co. 172,534; Sept. 4; Serial No. 174,052; published May 15, 1923.
Feed, egg mash, and chicken and cattle fattener, Horse, hen, etc. Grain Belt Mills Company. 172,513; Sept. 4; Serial No. 172,154; published May 1, 1923.
Flour, Pastry. Neal Manufacturing Co. 172,535; Sept. 4; Serial No. 174,022; published May 15, 1923.
Flour, Wheat. J. C. Lysle Milling Company. 172,552; Sept. 4; Serial No. 173,099; published May 15, 1923.

ALPHABETICAL LIST OF LABELS.

Amberol. For a Liquid Shampoo. Toilet Products "A" Co. 26,355; Sept. 4.
Arrowhead Shovels, Scoops, Spades. For Shovels, Scoops, and Spades. Union Furnace Manufacturing Company. 26,359; Sept. 4.
Danya. For Rouge Vanishing Cream. Danya, Inc. 26,341; Sept. 4.
Dixie Cups. For Drinking Cups. Individual Drinking Cup Company. 26,345; Sept. 4.
Dromedary Coconut. For Packaged Coconut. Hills Brothers Company. 26,344; Sept. 4.
Elite. For Cigars. A. Sima. 26,354; Sept. 4.
Fruit-Kist. For Lip Sticks. Mynuette Company. 26,352; Sept. 4.
Haberman's Views of New York. For Souvenir Postal Cards. H. W. Haberman. 26,342; Sept. 4.
Hart-Ford. For Containers for Hosiery. W. H. Hartford and J. N. Hartford. 26,343; Sept. 4.
Lion. For a Water-Softener Washing Powder. M. L. Keagy. 26,347; Sept. 4.
Margaret's. For a Hair Tonic. M. G. Casavant. 26,340; Sept. 4.
Mel-Aroma. For a Remedy for Stomach Disorders and Constipation. I. A. Melnick. 26,350; Sept. 4.
Peck's Pure Paints. For Paint. E. C. Peck. 26,353; Sept. 4.
Per-Spire-Gone. For an Antiseptic and Deodorant. G. L. Margowski. 26,349; Sept. 4.
Raisin Bread Made With Sun-Maid Raisins. For Bread. Menasha Printing and Carton Company. 26,351; Sept. 4.
Sun-E-Isle Grape Fruit. For Grapefruit. Kopf Bros. Co. 26,348; Sept. 4.
The Dr. Butler Tooth Brush. For Toothbrushes. J. O. Butler. 26,339; Sept. 4.
The Old Fashioned Kind. For Vanilla. M. G. Webb Flavoring Products Co. 26,362; Sept. 4.
The Teachewrself Dance Record. For Dance Records. M. F. Trostler. 26,357; Sept. 4.
Toilet Water. For Toilet Water. Toilet Products "A" Co. 26,356; Sept. 4.
Twinkle. For a Metal and Glass Polish. Twinkle Polish Corporation. 26,358; Sept. 4.
Ward's Breko Loaf. For Cake. Ward Baking Company. 26,361; Sept. 4.
Ward's Mother Hubbard Bread. For Bread. Ward Baking Company. 26,360; Sept. 4.
We Put The 'O's In Potato's. For Potato Waffles or Chips. Kaiser-Ford Co. 26,346; Sept. 4.

ALPHABETICAL LIST OF PRINTS.

Brief-O'Grip. For Brief Cases. Max Damm Co. 6,873; Sept. 4.

Libby's Fancy Red Alaska Salmon. For Salmon. Libby, McNeill & Libby. 6,874; Sept. 4.

"Onyx" Hosiery. For Hosiery. "Onyx" Hosiery Inc. 6,875; Sept. 4.

Three Star Brands. For Bronze Powders. United States Bronze Powder Works, Inc. 6,876; Sept. 4.

CLASSIFIED LIST OF TRADE-MARK TITLES.

PUBLISHED FOR OPPOSITION.

[Act of Feb. 20, 1905, Sec. 6, as amended Mar. 2, 1907.]

CLASS 1.

Belts. H. Rosenberg. 173,248; Sept 4.

Charcoal. New Jersey Charcoal Co. 179,379; Sept. 4.

Coal, Blacksmith. Dickinson Fuel Company. 181,253; Sept. 4.

CLASS 2.

Bags. H. J. Dudley. 180,056; Sept. 4.

Bags, aprons, News and coal. Allied Belting Company. 179,128; Sept. 4.

Bags, clothes protectors, clothespin aprons, Shoe. Al-Lon Manufacturing Company. 180,647; Sept. 4.

Bags, Shoe and skate. James W. Brine Company. 172,729; Sept. 4.

Boxes, envelopes, wrappers, etc., Corrugated fiber and paper. David Weber & Co. 180,512; Sept. 4.

Cones. Canadian Wm. A. Rogers, Limited. 180,841; Sept. 4.

Cylinders, bottles, flasks, etc. Mannesmannröhren Werke. 183,688; Sept. 4.

Packages, Tin, metal, and paper. Acme Can Company. 180,203; Sept. 4.

Paper bags. Crown Willamette Paper Company. 182,401; Sept. 4.

Paper bags. U. S. Paper Goods Co. 180,911; Sept. 4.

Paper bags. Zellerbach Paper Company. 182,433; Sept. 4.

Paper bags. Zellerbach Paper Company. 182,455–60; Sept. 4.

Vessels, Temperature-retaining. American Thermos Bottle Company. 181,102; Sept. 4.

CLASS 4.

Soap. Haskins Bros. Company. 179,201; Sept. 4.

Washing powder, soap, and soap stock. Poland Soap Works. 181,792; Sept. 4.

CLASS 5.

Adhesives. W. R. Long. 181,289; Sept. 4.

Adhesives. M'Caw, Stevenson & Orr, Ltd. 164,181; Sept. 4.

Cement. T. Taylor Buckley, Inc. 181,240; Sept. 4.

Compositions for use as adhesives. Capital Rodewite Company. 180,653; Sept. 4.

Wax, Sealing. Keferstein, Starr & Co. 180,800; Sept. 4.

CLASS 6.

Antifreezing liquid. R. Heepe. 176,181; Sept. 4.

Hair dressing. A. J. Kleis. 177,443; Sept. 4.

Medicinal belt for treatment of kidneys. Randell & Co. 179,112; Sept. 4.

Medicinal preparation used as a fat reducer. Noavo Laboratories. 178,863; Sept. 4.

Perfumes. A. M. Katzman Corp. 180,069; Sept. 4.

Perfumes, toilet water, face, sachet, and talcum powder, etc. Coty, Inc. 180,099; Sept. 4.

Preparation for headache, colds, etc. P. Handley. 179,148; Sept. 4.

Preparation for pyorrhea, abscesses, sores, cancer, and ulcers. C. N. Press. 174,637; Sept. 4.

Tablets, Vegetable laxative. Solax Drug Company. 180,455; Sept. 4.

CLASS 7.

Cords, twines, ropes, and lines. Graphite Cordage Company. 179,196; Sept. 4.

CLASS 9.

Matches. Jonkoping och Vulcans Tandsticksfabriksaktiebolag. 140,437; Sept. 4.

Matches. Jonkoping och Vulcans Tandsticksfabriksaktiebolag. 140,439; Sept. 4.

Matches. Jonkoping och Vulcans Tandsticksfabriksaktiebolag. 140,444; Sept. 4.

Matches. Jonkoping och Vulcans Tandsticksfabriksaktiebolag. 140,446–7; Sept. 4.

Matches. Jonkoping och Vulcans Tandsticksfabriksaktiebolag. 140,449–50; Sept. 4.

Matches. Jonkoping och Vulcans Tandsticksfabriksaktiebolag. 140,452–4; Sept. 4.

Matches. Jonkoping och Vulcans Tandsticksfabriksaktiebolag. 140,456–8; Sept. 4.

CLASS 10.

Fertilizer. Westlake Chemical Co., Inc. 182,240; Sept. 4.

Fertilizers. U. S. Industrial Chemical Co. 141,284; Sept. 4.

CLASS 12.

Cement, Fire-resistance. Jointless Fire-Brick Co. 181,568; Sept. 4.

Cement, High-temperature. Western Materials Company. 179,249; Sept. 4.

Cements and protective plaster coatings, Refractory. Furnaseal Mfg. Co. 179,405; Sept. 4.

Channels and L channels for use in building construction. United Alloy Steel Corporation. 154,893; Sept. 4.

Doors, moldings, veneered panels, plywood, etc., Fir. Wheeler, Osgood Company. 182,027; Sept. 4.

Lumber, laths, mouldings, sidings. Pelican Bay Lumber Company. 180,078; Sept. 4.

Pipe coating, acidproof tank lining, etc. Standard Asphalt & Refining Company. 131,987; Sept. 4.

Roofing, Asphalt mineral surfaced. Continental Roofing & Manufacturing Co. 180,050; Sept. 4.

Roofing, Green mineral surfaced, Continental Roofing & Manufacturing Co. 180,049; Sept. 4.

Roofing material. Continental Roofing & Manufacturing Co. 180,051; Sept. 4.

Roofings, roofing and building papers, etc., Prepared. Montgomery Ward & Co. 183,079; Sept. 4.

Roofings, shingles, and strip shingles, Bituminized. Ruberoid Co. 182,721; Sept. 4.

Window and door sills, lintels, arches, etc. A. Moses. 182,109; Sept. 4.

CLASS 13.

Curtain rods, Metallic flat. C. J. Alden. 176,867; Sept. 4.

Valves for mains and pipes, Metal. Bethlehem Steel Company. 179,845; Sept. 4.

CLASS 14.

Alloy. Marret, Bonnin, Lebel & Guieu. 180,018; Sept. 4.

CLASS 15.

Gasoline. Independent Service Station Association. 180,979; Sept. 4.

Gasoline and lubricating oils. Spears & Riddle Co. 174,756; Sept. 4.

Gasoline, kerosene, petroleum, etc. Hercules Gasoline Co. 169,130; Sept. 4.

Kerosene and lubricating oils. Gilmore Petroleum Company. 166,558; Sept. 4.

Liquid fuel. Petroleum Service Corporation. 170,753; Sept. 4.

Lubricants. A. N. Bresler. 180,959; Sept. 4.

Oil, Lubricating. Willowbrook Chemical Works. 180,459; Sept. 4.

Oils, Lubricating. Midland Refining Company. 182,216; Sept. 4.

Oils, Lubricating. Standard Oil Company (Incorporated in New Jersey). 182,386; Sept. 4.

Oils, Lubricating. Vacuum Oil Company. 182,079; Sept. 4.

CLASS 16.

Carbon black. Godfrey L. Cabot, Inc. 176,068; Sept. 4.

Colors ground in oil, oil paints, enamel paint, etc. F. W. Geller, Inc. 177,732; Sept. 4.

Finishing or polishing material. Surfix Chemical Co. 180,904; Sept. 4.

Lacquer compositions. W. H. Scheel. 181,961; Sept. 4.

Paint, Luminous. Gray & Bretey Co. 179,199; Sept. 4.

Paints. Gold Medal Water-Proofing Co. 168,605; Sept. 4.

Paints and paint enamels, Ready-mixed. C. Drabek. 182,502; Sept. 4.

Paints, Ready-mixed. Benjamin Moore & Co. 180,803; Sept. 4.

Paints, varnishes, dry colors, etc., Ready-mixed. M. L. Detourbe. 181,683–4; Sept. 4.

Paints, varnishes paint enamels, stains, Ready-mixed. C. Drabek. 165,859; Sept. 4.

Paints, varnishes, stains and colors, etc. Assets Producing Company. 179,921; Sept. 4.

Paris white. Talntor Company. 176,315; Sept. 4.

Plastered walls, Flat white coatings for use on. Toch Brothers, Incorporated. 183,128; Sept. 4.

Wall finishes. Hockaday Company. 179,939; Sept. 4.

CLASS 19.

Bicycles, tricycles, and parts thereof. Westfield Manufacturing Company. 172,456; Sept. 4.

CLASS 21.

Battery separators, Electric. Indianapolis Manufacturing Company. 151,581; Sept. 4.

Cut-outs, receptacles, sockets, fuse plugs. General Porcelain Company. 172,219; Sept. 4.

Electric generators, dynamo, motors, electric ignition apparatus, etc. Owen-Dyneto Corporation. 181,611; Sept. 4.

Electric resistance materials. Electrical Alloy Company. 165,365; Sept. 4.

Engraving machines, Electric. Engravograph Corporation. 181,261; Sept. 4.

Lamp sockets, fuse sockets, and switches, Incandescent. R. Eberhardt. 180,923; Sept. 4.

Motors and parts, controllers and parts, electric lamps, etc., Electric. Singer Manufacturing Company. 181,703; Sept. 4.

Motors and parts thereof, Electric. H. B. Sherman Manufacturing Co. 181,223; Sept. 4.

Phonograph and radio receiving sets, loud speakers, etc., Combination. Walter Lytton, Inc. 169,814; Sept. 4.

Radio apparatus, Parts for. Alden Manufacturing Company. 180,953; Sept. 4.

Radio transmitting and receiving sets and parts thereof, etc. Continental Radio & Electric Corporation. 175,712; Sept. 4.

Radio use, Electrical connector clips and clamps for amateur. H. M. Hill. 178,612; Sept. 4.

Reels of electric connecting conductors. Grigsby-Grunow-Hinds Co. 162,991; Sept. 4.

Telephone head sets. Radioceive Manufacturing Company. 164,075; Sept. 4.

Toy transformers. Lionel Corporation. 129,731; Sept. 4.

CLASS 23.

Tractors, cultivators, and sulky plows. Central Tractor Company. 180,748; Sept. 4.

Water wheels. J. B. Campbell. 180,046; Sept. 4.

CLASS 24.

Driers, Clothes. Hill Clothes Dryer Co. 180,282; Sept. 4.

Laundry bags. Fry Bros. Company. 180,277; Sept. 4.

Washboilers. R. Israel. 177,439; Sept. 4.

Washing machines, Electric. United Appliance Company. 177,253; Sept. 4.

Washing machines, Electrically-driven laundry. Landers, Frary & Clark. 180,376; Sept. 4.

CLASS 26.

Picture apparatus, Cabinet motion-. I. Serrurier. 179,228; Sept. 4.

Picture films, Motion-. Radiograms, Inc. 166,150; Sept. 4.

CLASS 28.

Silver-plated hollow ware. Farber Brothers. 175,191; Sept. 4.

Silver-plated table and hollow ware and articles plated with precious metals. T. N. Benedict Mfg. Co. 167,671; Sept. 4.

CLASS 29.

Brushes, Polishing. S. C. Johnson & Son. 182,101; Sept. 4.

CLASS 34.

Boilers. Aird-Don Co. 179,254; Sept. 4.

Ranges, Gas. Wincroft Stove Works. 180,636; Sept. 4.

Stoves and ranges, Coal and gas. Perfect Stove & Manufacturing Co. 175,732; Sept. 4.

Stoves and ranges, etc., Coal, wood, and gas cooking and heating. Keeley Stove Company. 178,592; Sept. 4.

CLASS 35.

Brake lining. Manhattan Rubber Mfg. Co. 166,839; Sept. 4.

Piston rings. A. B. Chance. 153,441; Sept. 4.

Piston rings. Spyroseal Manufacturing Company. 143,017; Sept. 4.

Tire casings. Republic Rubber Company. 173,300; Sept. 4.

Tires. Miller Rubber Company. 181,762; Sept. 4.

CLASS 36.

Mouthpieces of reed wind instruments. Naujoks-McLaughlin. 179,052; Sept. 4.

CLASS 38.

Magazine, Monthly. National Retail Hardware Association. 180,383; Sept. 4.

CLASS 39.

Apparel, Athletic. S. M. Elowsky & Co. 177,478; Sept. 4.

Apparel, Children's, misses', and women's wearing. Solomon Mfg. Co. 167,603; Sept. 4.

Arm bands and suspenders. A. Stein & Company. 179,118; Sept. 4.

Bandeaux and corsets. J. L. Alberts. 172,024; Sept. 4.

Bandeaux and corsets. J. L. Alberts. 172,501; Sept. 4.

Caps. Cooper, Davidson & Klein Cap Company. 171,486; Sept. 4.

Caps, Men's, youth's, and boys'. National Cap Manufacturing Company. 178,862; Sept. 4.

Coats, cloaks, suits, etc., Women's, children's, and infants'. Salt's Textile Manufacturing Company. 160,371; Sept. 4.

Corsets. Jackson Corset Company. 178,723; Sept. 4.

Garments, underwear, shirt waists, and bloomers, Sleeping. C. S. Steiner. 180,309; Sept. 4.

Gloves, gauntlets, boy scout gauntlets, cuffs, etc. J. & D. Lehman Company. 178,618; Sept. 4.

Hosiery. Dayton Company. 182,335; Sept. 4.

Hosiery. J. H. Lyon & Co. 182,597; Sept. 4.

Hosiery. New York Merchandise Company. 182,604; Sept. 4.

Hosiery, Misses'. Athens Hosiery Mills. 176,530; Sept. 4.

Knit sweaters and sweater coats, vests, etc. L & L Knit Goods Mfr's. Ass'n. of Greater New York, Inc. 182,592; Sept. 4.

Rubber outsoles, heels, insoles, and half soles. Clark Rubber Mfg. Co. 179,715; Sept. 4.

Shoes. E. P. Reed & Co. 180,553–4; Sept. 4.

Suits, Men's. Weber & Hellbroner. 182,690; Sept. 4.

Sweater coats. Cadet Knitting Company. 180,652; Sept. 4.

Sweaters, Boys' and men's. Greater Manhattan Knitting Mills, Inc. 162,545; Sept. 4.

Ties, Men's. Holland Knitting Co. 182,586; Sept. 4.

Underwear. M. D. Neilson. 162,435–6; Sept. 4.

CLASS 42.

Bedspreads. Sorrick-Caylor Company. 182,366; Sept. 4.

Cotton piece goods. Brune, Pottberg & Co. 182,202; Sept. 4.

Cotton piece goods. Brune, Pottberg & Co. 182,291–2; Sept. 4.

Cotton piece goods, Mercerized. Consolidated Textile Corporation. 181,559; Sept. 4.

Dry goods. Farley Harvey Company. 183,204; Sept. 4.

CLASS 44.

Catheters, ear and ulcer syringes, finger cots, etc. Blackman & Blackman. 179,986; Sept. 4.

Dental alloy, gold, and silver. Elm Refining Company. 178,717; Sept. 4.

Instruments for aiding the hearing. F. Charles Rein & Son, America, Inc. 180,080; Sept. 4.

Manicure sets. Art Ornament Co. 179,450; Sept. 4.

Surgical dressing, Chemical tissue for use as a. Haskins & Welton. 144,720; Sept. 4.

Teeth and gums, Apparatus or appliance for massaging the. E. Unné. 178,152; Sept. 4.

CLASS 46.

Beans, Product made of. Sang Yuen & Co. 174,162; Sept. 4.

Bread and cookies, Ginger. M. A. Banning. 158,592; Sept. 4.

Bread, rolls, biscuits, cakes, etc. Ward Baking Company. 175,374; Sept. 4.

Butter and cheese. New Zealand Co-Operative Dairy Company Limited. 168,332; Sept. 4.

Candies, candy confections, sweetmeats, and chewing gum. Ideal Caramel Company. 177,227; Sept. 4.

Candy. Cardinet Candy Company. 181,878; Sept. 4.

Candy. Charter Chocolate Company. 181,816; Sept. 4.

Candy. C. E. Gheens. 169,709; Sept. 4.

Candy and chocolates. D'Orlando & Co. 168,357; Sept. 4.

Candy, Base or filler for. White Stokes Co. 178,792; Sept. 4.

Canned citrous fruits, grapefruits. Florida Citrus Exchange. 179,862; Sept. 4.

Canned, dried, and preserved fruits, berries, vegetables, etc. Libby, McNeil & Libby. 176,268; Sept. 4.

Canned fruits. Kings County Packing Co. 168,422; Sept. 4.

Canned fruits and vegetables. F. B. Neuhoff. 171,856; Sept. 4.

Canned fruits and vegetables. Sierra Pacific Canning Co. 181,916; Sept. 4.

Canned peas, corn, tomatoes, and pineapple. Cincinnati Wholesale Grocery Company. 177,361; Sept. 4.

CLASSIFIED LIST OF TRADE-MARK TITLES.

PUBLISHED FOR OPPOSITION.

[Act of Feb. 20, 1905, Sec. 6, as amended Mar. 2, 1907.]

Canned sauerkraut. Bellevue Kraut & Pickling Co. 182,125; Sept. 4.
Canned vegetables. San Jose Canning Co. 179,484; Sept. 4.
Cheese. F. M. Frederiksen. 176,735; Sept. 4.
Chocolates and candy. E. Greenfield's Sons. 179,790; Sept. 4.
Chop-suey sauce. L. C. Chan & Company. 168,753; Sept. 4.
Coffee. Fitch Company. 174,565; Sept. 4.
Coffee. Thomas J. Webb Company. 178,787; Sept. 4.
Coffee. Thomas J. Webb Company. 178,789; Sept. 4.
Coffee. C. R. Yates. 173,458; Sept. 4.
Coffee substitute. Kafex, Incorporated. 153,352; Sept. 4.
Confection. S. N. Sperber. 159,533; Sept. 4.
Eggs. P. W. Sahrbeck. 176,694; Sept. 4.
Feeds, Farinaceous stock. Quaker Oats Company. 174,918; Sept. 4.
Flour, Self-rising wheat. Ford Flour Company. 177,081; Sept. 4.
Food, Vegetable. Battle Creek Food Company. 176,816; Sept. 4.
Fruits, canned vegetables, peanut butter, etc., Dried. Twohy-Smith Company. 176,809–10; Sept. 4.
Fruits, Citrous. California Fruit Growers Exchange. 173,621; Sept. 4.
Fruits, Fresh citrous. Lee County Packing Co. 178,261; Sept. 4.
Fruits, Fresh deciduous. Coops Bros. 181,881; Sept. 4.
Lard. F. G. Vogt & Sons, Inc. 179,756–7; Sept. 4.
Lemons, Fresh. Santa Paula Citrus Fruit Association. 163,702; Sept. 4.
Limes and lemons, Fresh. L. A. Strauss. 179,493; Sept. 4.
Matzoths. A. Goodman & Sons, Inc. 162,732; Sept. 4.
Milk, cream, and milk-chocolate drinks, Preserved. Sterling Milk Company. 178,297; Sept. 4.
Oats, Rolled. Quaker Oats Company. 174,751; Sept. 4.
Oils and fats, Edible. American Cotton Oil Company. 178,944; Sept. 4.
Semolinas, rices, alimentary pastes, biscuits. "Céréa" Docks, Minoterie, Semoulerie, Pates Alimentaires. 153,386; Sept. 4.
Sugar. California and Hawaiian Sugar Refining Corporation. 165,352; Sept. 4.
Teas and spices. Woolson Spice Co. 158,664; Sept. 4.
Tomatoes, Fresh. N. Goldsmith. 179,664; Sept. 4.

CLASS 50.

Canvas or other fabric having metal cross strips and roller. Article made of. Rolup Screen Company. 171,511; Sept. 4.
Cuts, emblems, and collar devices. Military Order of the Cootie. 166,316; Sept. 4.
Granite, Monumental blocks of. Phillips & Slack, Inc. 182,548; Sept. 4.
Rubber sheeting. A. Stein & Company. 183,005; Sept. 4.
Shoe and slipper trees. James N. Mayhew Co. 182,427; Sept. 4.
Signs, Advertising. Cott-a-lap Company. 181,980; Sept. 4.
Waterproof fabrics. Schwarzwaelder Company. 182,676; Sept. 4.

ALPHABETICAL LIST OF PATENTEES

TO WHOM

PATENTS WERE ISSUED ON THE 4TH DAY OF SEPTEMBER, 1923.

NOTE.—Arranged in accordance with the first significant character or word of the name (in accordance with city and telephone directory practice). **Includes patents, reissues, and designs.**

Actien Gesellschaft für Anilin Fabrikation. (See Onnertz, Paul, assignor.)
Actien Gesellschaft für Anilin Fabrikation. (See Onnertz, P. Peters, and Schwärtzel, assignors.)
Air Reduction Company, Incorporated. (See Metzger, Floyd J., assignor.)
Akerly, Frank F., Chicago, Ill., assignor to Columbia Graphophone Manufacturing Company, Bridgeport, Conn. Automatic starting and stopping device for graphophones. 1,466,655; Sept. 4.
Allard, J. Frank, assignor to Underwood Typewriter Company, New York, N. Y. Typewriting machine. 1,467,220; Sept. 4.
Allen, Florence K., et al. (See Barr, C. E., and Jackson, assignors.)
Allen, Grosvenor N., assignor to Oneida Community, Limited, Oneida, N. Y. Spoon or similar article. Des. 62,973; Sept. 4.
Allen, Grosvenor N., assignor to Oneida Community, Limited, Oneida, N. Y. Spoon or similar article. Des. 62,974; Sept. 4.
Allen, James M., assignor of one-half to G. Mertens, St. Louis, Mo. Electrical apparatus for producing and collecting gases. 1,467,080; Sept. 4.
Allsop, Thomas, and W. W. Sibson, assignors to The Philadelphia Drying Machinery Company, Philadelphia, Pa. Drying machine. 1,467,260; Sept. 4.
Altfeld, Mandle. (See Raubert, Frank T., assignor.)
Alvarado Mining and Milling Company. (See Hirt, Jules H., assignor.)
American Art Works. (See Riley, Ray P., assignor.)
American Can Company. (See Freundt, Louis J., assignor.)
American Clock Corporation. (See Luttrell, P. S. and Roske, assignors.)
American Gasaccumulator Company. (See Medén, Elof H., assignor.)
American Narrow Fabric Company. (See Hazelton, Carl J., assignor.)
American Optical Company. (See Cozzens, Charles O., assignor.)
American Optical Company. (See Hill, Harry W., assignor.)
American Steel and Wire Company. (See Hindmarsh, P. J., and Meaker, assignors.)
American Telephone and Telegraph Company. (See Espenschied, Lloyd, assignor.)
American Toyland Creators, Inc. (See Wiebe, Sigurd J. A., assignor.)
Anakin, Arthur E., assignor to Anakin Protection Mfg. Co., Long Beach, Calif. Combined cigar lighter and flash light. 1,466,779; Sept. 4.
Anakin Protection Mfg. Co. (See Anakin, Arthur E., assignor.)
Anchor Cap and Closure Corporation. (See Dinsmoor, John L., assignor.)
Anderson, Anton A., Wilder, Minn. Sampling dipper. 1,466,920; Sept. 4.
Anderson, Christina, et al. (See Gutekunst, David W., assignor.)
Anderson, Fred E., assignor of one-half to A. Robert, Osage City, Kans. Disruptable pin for motor-starting devices. 1,466,780; Sept. 4.
Anderson, Fred E., assignor to D. S. Erickson, Osage City, Kans. Combined intake manifold and fuel preheater. 1,466,921; Sept. 4.
Anderson, Herman E. G., Indiana Harbor, Ind. Cow-tail holder. 1,467,221; Sept. 4.
Angel International Corporation. (See Stanley, Irving, assignor.)
Anlauf, Carl, Pipestone, Minn. Walking stepladder. 1,467,245; Sept. 4.
Armstrong, Arthur N., Oneida, N. Y. Manifold heater. 1,467,281; Sept. 4.
Aseltine, Fred E., assignor to General Motors Research Corporation, Dayton, Ohio. Method and means for incorporating an antiknock substance with a motor-fuel mixture. 1,467,222; Sept. 4.
Atwood, Harry N., Smithfield, N. C., assignor to Rubwood, Inc., Lawrence, Mass. Pulley. 1,466,869; Sept. 4.
Auburn Rubber Co. (See Murray, Albert L., assignor.)
Auster, Arthur C., assignor to Auster Limited, Birmingham, England. Windshield hinge. 1,466,781; Sept. 4.
Auster Limited. (See Auster, Arthur C., assignor.)
Austin, F. C., Machinery Company. (See Russell, Leslie A., assignor.)
Ayres, Eugene E., jr., Chester, assignor to The Sharples Specialty Company, Philadelphia, Pa. Producing stable emulsions of edible oils. 1,467,081; Sept. 4.
Babcock & Wilcox Company, The. (See Harter, Isaac, assignor.)
Babcock, Wilbert L., assignor to The Waterbury Brass Goods Corporation, Waterbury, Conn. Cover plate for plug receptacles. 1,467,261; Sept. 4.
Bacon, Frederick W. (See McCloskey, Alfred C., assignor.)
Bainbridge, Empson H. (See Jerabek, C., and Bainbridge.)
Bailey, Charles W., Philadelphia, Pa. Ring. Des. 62,975; Sept. 4.
Bailey, Theodore A., Orlando, Fla. Dentifrice and floss container. 1,466,982; Sept. 4.
Baird, William S., Decatur, Ill. Snapping mechanism for corn-harvesting machines. 1,466,870; Sept. 4.
Balcom, Charles A. (See Reynolds, Joy S., assignor.)
Baldwin, Edward C., Boston, Mass. Stand for paper drinking cups. 1,467,082; Sept. 4.
Ball, Pearl V., and R. H. Waller, Nashville, Tenn. Automatic ignition plug. 1,466,943; Sept. 4.
Ballard, Herbert T., Norristown, Pa. Knitted rib fabric. Des. 62,976; Sept. 4.
Baltimore Tube Company. (See Morse, Charles S., assignor.)
Barber, Lewis R., assignor to Lisenby Manufacturing Company, Fresno, Calif. Paper-feed mechanism. 1,466,922; Sept. 4.
Barbieri, Cesare, New York, N. Y., assignor to The Vortex Manufacturing Co., Chicago, Ill. Ejector mechanism for paper-cup dispensers. 1,466,923; Sept. 4.
Barker, Philip, Kohala, Hawaii. Pneumatically-operated cutting tool. 1,467,262; Sept. 4.
Barkley, Vernor T., Pittsburgh, Pa. Hoisting cage. 1,467,223; Sept. 4.
Barks, Frank S., assignor to Lincoln Steel and Forge Company, St. Louis, Mo. Journal box. 1,467,292; Sept. 4.
Barnard, Harry L., Mount Pocono, and C. A. Nauman, jr., Cresco, Pa.; said Nauman assignor to said Barnard. Wagon-body brace. 1,467,263; Sept. 4.
Barr, Clarence E., and T. E. Jackson, assignors of one-fourth to F. K. Allen and one-fourth to W. M. Mervin, Detroit, Mich. Electric toaster. 1,466,656; Sept. 4.
Barstow, Edwin O., and P. Cottringer, assignors to The Dow Chemical Company, Midland, Mich. Insecticide and making same. 1,466,983; Sept. 4.
Bart, Blasius, East Orange, N. J., assignor to Swiss Anode Corporation. Electroplating anode. 1,467,083; Sept. 4.
Barth, Champ J., and J. R. Pierce, Minneapolis, Minn. Ring. Des. 62,977; Sept. 4.
Barth, Champ J., and J. R. Pierce, Minneapolis, Minn. Ring. Des. 62,978; Sept. 4.
Barth, Champ J., and J. R. Pierce, Minneapolis, Minn. Ring. Des. 62,979; Sept. 4.
Barth, Champ J., and J. R. Pierce, Minneapolis, Minn. Ring. Des. 62,980; Sept. 4.
Bauer, Wilhelm, Opladen, near Cologne, assignor to Farbenfabriken vorm. Friedr. Bayer and Co., Leverkusen, near Cologne-on-the-Rhine, Germany. Indigoid vat dye. 1,466,687; Sept. 4.
Baughn, Charles O., Belleville, Ark. Headlight-lens holder and antirattler. 1,466,944; Sept. 4.
Bassett, Preston R., assignor to E. A. Sperry, Brooklyn, N. Y. Indicating the presence and percentage of hydrogen. 1,467,084; Sept. 4.
Beatty, William G., Fergus, Ontario, Canada. Transmission gear. 1,466,782; Sept. 4.
Belcher, Donald. (See Eustis, F. A., and Belcher.)
Bendix, Vincent, Chicago, Ill. Engine starter. 1,466,945; Sept. 4.
Benefield, Robert T., Indianapolis, Ind. Permutation lock for automobiles. 1,466,871; Sept. 4.
Bergen, George B., Milwaukee, Wis. Pencil. 1,467,282; Sept. 4.
Bergen, Harry S., Toledo, Ohio, assignor to Gardner Machine Company, South Beloit, Ill. Grinding machine. 1,466,872; Sept. 4.
Bergve, Elnar, Christiania, Norway. Tooth paste. 1,467,024; Sept. 4.

Bergvall, Jakob L., assignor of one-half to R. De Trentini, New York, N. Y. Ticket holder. 1,466,924; Sept. 4.
Bethlehem Steel Company. (See Morgan, Rees C., assignor.)
Biggs, Earl R. (See Biggs, Earl R. and C. R.)
Biggs, Earl R. and C. R., Clinton, Ind. Electric-circuit support. 1,466,925; Sept. 4.
Billman Obed C. (See Solomon, J., and Billman.)
Bilstein, Louis C., West Orange, N. J., assignor to United States Radium Corporation. Application of luminous compounds. 1,467,132; Sept. 4.
Birmingham Iron Foundry. (See Gordon, William A., assignor.)
Blair, Robert S., Sound Beach, and B. D. Wells, Danbury, Conn.; said Wells assignor to said Blair. Temperature-controlled switch. 1,467,085; Sept. 4.
Blake, C. C., Incorporated. (See Foster, Edward E., assignor.)
Blake, Robert A., trustee and legal representative. (See Capell, George M.)
Blesauf, John F., and L. V. Hose, San Francisco, Calif. Automobile camp bed and means for carrying same. 1,466,984; Sept. 4.
Bliss, E. W., Company. (See Klocke, William, assignor.)
Blomstrom, Charles, Minneapolis, Minn. Bath and scrubbing cloth holder. 1,467,086; Sept. 4.
Boehringer, Joseph A., Buffalo, N. Y. Banjo piano. 1,467,087; Sept. 4.
Bohannon, Charles R., assignor of one-half to G. E. Watson, Highland Park, Ky. Internal-combustion engine. 1,466,783; Sept. 4.
Boock, Gustave J., Conyngham, assignor of one-half to E. G. Hines, Drums, Pa. Foot accelerator for tractors. 1,466,688; Sept. 4.
Boome, Alexander. (See Kramer, L., and Boome.)
Borg, Fredrik G., Chicago, Ill. Steel truss. 1,467,224; Sept. 4.
Borroni, Amatore. (See Conti, A., and Borroni.)
Bowman, Albert, et al. (See Marshall, Walker E., assignor.)
Bower, Robert F., assignor to Bower Roller Bearing Company, Detroit, Mich. Roller-bearing cage. 1,466,689; Sept. 4.
Bower Roller Bearing Company. (See Bower, Robert F., assignor.)
Bowers, William H., et al. (See Marshall, Walker E., assignor.)
Boyuls, Cecil H., Louisville, Ky. Shirt-ironing machine. 1,466,690; Sept. 4.
Boyuls, Cecil H., Louisville, Ky. Ironing garments 1,466,691; Sept. 4.
Boyuls, Cecil H., Louisville, Ky. Collar-band holder 1,466,692; Sept. 4.
Boyuls, Cecil H., Louisville, Ky. Ironing machine 1,466,693; Sept. 4.
Boyuls, Cecil H., Louisville, Ky. Collar-ironing machine. 1,466,694; Sept. 4.
Boyuls, Cecil H., Louisville, Ky. Bifurcated-garment former and drier. 1,466,695; Sept. 4.
Brack, Ernst G., Winterthur, Switzerland. Apparatus for preparing and multiplying light copies. 1,466,696; Sept. 4.
Bradford Dyers' Association Limited. (See Graham, Jesse, assignor.)
Brantigam, Ernest W., Coeur d'Alene, Idaho. Pulling device. 1,466,784; Sept. 4.
Breeze, Alfred R., assignor to The Cincinnati Ball Crank Company, Cincinnati, Ohio. Making reach rods 1,467,264; Sept. 4.
Brewer, Carlos W., Minneapolis, Minn. Heating apparatus. 1,467,088; Sept. 4.
Brice, Arthur W., Rochester, and W. Hamann, Ironde quoit, N. Y., assignors to United Shoe Machinery Corporation, Paterson, N. J. Folding machine. 1,466,697; Sept. 4.
Briddes, William, Darby, Pa. Building block. 1,466,985; Sept. 4.
Brisbois, Odilon, Chicago, Ill. Engine starter. 1,466,926; Sept. 4.
Broluska, Amel B. and H. A., assignors of one-third to C. Caillian, Detroit, Mich. Fuel heater for internal-combustion engines. 1,467,225; Sept. 4.
Broluska, Harry A. (See Broluska, Amel B. and H. A.)
Brown, Charles S., Glenmont, Ohio. Collapsible box. 1,467,089; Sept. 4.
Brown Company. (See Parker, Howard, assignor.)
Brown, Francis H. (See Ogden, Sidney H., assignor.)
Brown Hoisting Machinery, The. (See Jacob, Brent C., assignor.)
Brown, Orin C., et al. (See Marshall, Walker E., assignor.)
Brown, Robert R., and G. M. Peterson, Seattle, Wash. Shock absorber. 1,467,090; Sept. 4.
Brown, Roland W., New York, N. Y. Self opening and delivering envelope. 1,467,291; Sept. 4.
Brunka, Herman, Marion, Ind. Flush valve. 1,466,946; Sept. 4.
Brust, Joseph F., Brooklyn, N. Y. Adjustable water-discharge device. 1,467,133; Sept. 4.
Bryant, Clarence R., Chicago, Ill. Wrench. 1,466,947; Sept. 4.
Bryant, Clarence R., Chicago, Ill. Ratchet wrench. 1,466,948; Sept. 4.
Brynteson, Alfred, St. Paul, Minn. Piston. 1,466,786; Sept. 4.
Brunell, William J., Detroit, Mich. Skate sharpener. 1,466,785; Sept. 4.
Bugler, Arthur V., and T. E. Delafons, assignors to Linotype and Machinery Limited, London, England. Sheet-delivery mechanism of printing machines. 1,466,949; Sept. 4.
Bull, George F., assignor of one-half to Charles H. Pugh Limited, Birmingham, England. Lawn mower. 1,466,787; Sept. 4.
Burger-Weber, Robert, Burg, Switzerland. Lamellar carriage spring. 1,466,950; Sept. 4.
Burgess, Robert. (See Jones, Joseph H., assignor.)
Burgher, John P., Long Beach, Calif. Centering and cementing device. 1,466,986; Sept. 4.
Butcher, Archie W. (See McCullough, E. D., and Butcher.)
Butler, Ernest, Gerber, Calif. Clothes drier. 1,467,226; Sept. 4.
Butters-Camp Manufacturing Company. (See Butters, Robert H., assignor.)
Butters, Robert H., assignor to The Butters-Camp Manufacturing Company, Atlanta, Ga. Gin or linter saw. 1,466,927; Sept. 4.
Cabaret te Corporation. (See Franks, Norvin H., assignor.)
Caillean, Cyril. (See Broluska, Amel B. and H. A., assignors.)
Cain, Jacob E., and F. A. Falkenbach, Columbus, Ohio; W. Zimmerer, administrator of said F. A. Falkenbach, assignor of the entire interest of said F. A. Falkenback to E. Falkenbach. Automatically-collapsible tap. 1,466,987; Sept. 4.
Calthrop, Everard R., assignor to E. R. Calthrop's Aerial Patents Limited, London, England. Parachute. 1,466,998; Sept. 4.
Calthrop's, E. R., Aerial Patents Limited. (See Calthrop, Everard R., assignor.)
Capell, George M., deceased, Passenham, near Stony Stratford, England, by R. A. Blake, trustee and legal representative. Air impeller or propeller. 1,467,227; Sept. 4.
Capstan Glass Company. (See Kucera, Peter, assignor.)
Caracristi, Virginius Z., Bronxville, N. Y. Variable exhaust nozzle for locomotives. 1,466,788; Sept. 4.
Carbide and Carbon Chemicals Corporation. (See McElroy, Karl P., assignor.)
Carroll, Stewart J., assignor to Eastman Kodak Company, Rochester, N. Y. Cellulose-ether solvent and composition. 1,467,091; Sept. 4.
Carroll, Stewart J., assignor to Eastman Kodak Company, Rochester, N. Y. Cellulose-ether composition. 1,467,092; Sept. 4.
Carroll, Stewart J., assignor to Eastman Kodak Company, Rochester, N. Y. Cellulose-ether composition. 1,467,093; Sept. 4.
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Carroll, Stewart J., assignor to Eastman Kodak Company, Rochester, N. Y. Cellulose-ether composition. 1,467,099; Sept. 4.
Carroll, Stewart J., assignor to Eastman Kodak Company, Rochester, N. Y. Cellulose-ether composition. 1,467,100; Sept. 4.
Carroll, Stewart J., assignor to Eastman Kodak Company, Rochester, N. Y. Cellulose-ether composition. 1,467,101; Sept. 4.
Carroll, Stewart J., assignor to Eastman Kodak Company, Rochester, N. Y. Cellulose-ether composition. 1,467,102; Sept. 4.
Carroll, Stewart J., assignor to Eastman Kodak Company, Rochester, N. Y. Cellulose-ether composition. 1,467,103; Sept. 4.
Carroll, Stewart J., assignor to Eastman Kodak Company, Rochester, N. Y. Cellulose-ether composition. 1,467,104; Sept. 4.
Carroll, Stewart J., assignor to Eastman Kodak Company, Rochester, N. Y. Cellulose-ether composition. 1,467,105; Sept. 4.
Casey, Dennis A., New Orleans, La. Bituminous mixture. 1,466,928; Sept. 4.
Cates, Franklin O., assignor to The Linral Company, St. Louis, Mo. Garment support. 1,466,873; Sept. 4.
Chambers Brothers Company. (See King, Howard K., assignor.)
Chevalier, Albert, assignor to Societe du Feutre, Paris, France. Carrotting fur and hair. 1,466,698; Sept. 4.
Chichy, August, Bagley, Minn. Tire-chain tightener. 1,467,228; Sept. 4.
Chick, Harry R., Hamble, and F. O. Helliwell and W. Pimmbridge, Folkstone, England. Polishing mop or the like. 1,466,989; Sept. 4.

Christian, Gilbert, Detroit, Mich. Carburetor. 1,466,789; Sept. 4.
Chryst, William A., assignor to The Dayton Engineering Laboratories Company, Dayton, Ohio. Ignition apparatus. 1,466,929; Sept. 4.
Chain Belt Company. (See Merwin, John C., assignor.)
Cincinnati Ball Crank Company, The. (See Breeze, Alfred R., assignor.)
Cipra, Leon, Kanopolis, Kans. Journal bearing. 1,466,930; Sept. 4.
Clark, Bernard E., et al. (See Walper, Curry O., assignor.)
Coffman, Charles M., Gallipolis, Ohio. Scoreboard for shooting tournaments. 1,466,699; Sept. 4.
Colegrove, Charles E., East Cleveland, assignor to White Sewing Machine Company, Cleveland, Ohio. Electrically-driven drophead sewing machine. 1,467,134; Sept. 4.
Collyer, William A., Marshfield, Oreg. Heating system. 1,467,229; Sept. 4.
Columbia Graphophone Manufacturing Company. (See Akerly, Frank F., assignor.)
Combination Machine Company. (See Peterson, Jonathan, assignor.)
Conley, Albert D., and E. C. Stillwell, assignors, by mesne assignments, to James P. Hooper Manufacturing Company, Baltimore, Md. Regenerating cellulose. 1,467,265; Sept. 4.
Conti, Andrea, and A. Borroni, New Haven, Conn. Implement for expanding demountable rims. 1,467,135; Sept. 4.
Cooper, Barney, Chicago, Ill. Snap fastening. 1,466,990; Sept. 4.
Cooper, Simon, Brooklyn, N. Y., assignor to Menasha Wooden Ware Company, Menasha, Wis. Machine for hooping pails. 1,466,700; Sept. 4.
Cottringer, Paul. (See Barstow, E. O., and Cottringer.)
Cottringer, Paul, assignor to The Dow Chemical Company, Midland, Mich. Making phenol. 1,466,991; Sept. 4.
Cox, Frederick N., Berkeley, Calif. Surgical tool. 1,467,231; Sept. 4.
Cozzens, Charles O., assignor to American Optical Company, Southbridge, Mass. Eye protector. 1,467,230; Sept. 4.
Crane Packing Company. (See Payne, Frank E., assignor.)
Craun, Daniel A., Orange, Va. Pin-inserting tool. 1,466,992; Sept. 4.
Creasey, Samuel E., Alfred, assignor to Sanford Mills, Sanford, Me. Ornamental pile fabric and producing the same. 1,467,136; Sept. 4.
Creech, Robert C., jr., Columbia, S. C. Pocket ornament. 1,466,993; Sept. 4.
Crémer, Alfred, Verviers, Belgium. Electrolysis of metal. 1,466,994; Sept. 4.
Crocker, Ernest B., Stratford, Conn., assignor to Manning, Maxwell & Moore, Inc., New York, N. Y. Gauge case. 1,466,790; Sept. 4.
Crompton, Randolph, and W. E. Woodman, Worcester, Mass.; said Woodman assignor to said Crompton. Filling-feeler mechanism. 1,467,232; Sept. 4.
Crown Cork and Seal Company of Baltimore City, The. (See Derby, William Y., assignor.)
Crown Cork and Seal Company of Baltimore City, The. (See Huntley, George J., assignor.)
Crown Cork and Seal Company of Baltimore City, The. (See Kryzanowsky, Constant J., assignor.)
Crumb, Lee R., New Berlin, N. Y. Automobile fan device. 1,467,233; Sept. 4.
Cruver, Curtis L., Chicago, Ill. Powder receptacle. 1,467,234; Sept. 4.
Curran, Edward T., Detroit, Mich. Spark plug. 1,467,137; Sept. 4.
Curran, Edward T., Detroit, Mich. Auto radiator-thermometer mounting. 1,467,138; Sept. 4.
Curran, Edward T., Detroit, Mich. Spark plug. 1,467,139; Sept. 4.
Curzon, John S., Storrs, Utah. Pick-handle protector. 1,466,931; Sept. 4.
Cutler-Hammer Mfg. Co. (See Horton, Albert J., assignor.)
Cyganiewicz, John, Chicago, Ill. Hand bag. Des. 62,981; Sept. 4.
Dahl, Thure E., assignor to Lightoller Company, New York, N. Y. Body part for lighting fixtures. Des. 62,982; Sept. 4.
Daily, William H., Los Angeles, Calif. Automatic multiple-record phonograph. 1,466,791; Sept. 4.
Dalton, Richard H. (See Sunde, L. A., and Dalton.)
Davidson, Charles, et al. (See Marshall, Walker E., assignor.)
Day, Charley, Cleveland, Ohio. Adjustable window-shade bracket. 1,467,025; Sept. 4.
Dayton Engineering Laboratories Company, The. (See Chryst, William A., assignor.)
De Bats, Jean H. L., Whitman, Mass. Bit and making the same. 1,467,266; Sept. 4.
De Escobales, Hilario, Staten Island, assignor to H. Escobales Co., Inc., New York, N. Y. Wrapping machine. 1,466,814; Sept. 4.
De Forest, Lee, New York, N. Y., assignor, by mesne assignments, to De Forest Phonofilm Corporation, Jersey City, N. J. Method of and means for controlling electric currents by and in accordance with light variation. 1,466,701; Sept. 4.
De Forest Phonofilm Corporation. (See De Forest, Lee, assignor.)
Deiss, William C., Brooklyn, N. Y. Mothproof chest. 1,467,268; Sept. 4.
Dekoff, George, Chicago, Ill. Elastic band. 1,467,235; Sept. 4.
Delafons, Thomas E. (See Bugler, A. V., and Delafons.)
De Lavaud, Dimitri S., New York, N. Y. Superheating furnace especially for rotary-cast pipe. 1,467,236; Sept. 4.
Delehanty, Edward J., Albany, N. Y. Material mixer. 1,467,237; Sept. 4.
Delontch, Essex, Philadelphia, Pa. Motor-control system for self-serving tables. 1,466,890; Sept. 4.
De Meurisse, Alfred, New York, N. Y. Display device. 1,467,140; Sept. 4.
De Moos, Charles, Fort Lee, N. J., assignor to Eastman Kodak Company, Rochester, N. Y. Photographic-film-treating apparatus. 1,467,106; Sept. 4.
Dempsey, James T., New Bedford, Mass. Tube expander. 1,467,238; Sept. 4.
Demuth, Alfred M., Chicago, Ill. Cooking apparatus. 1,467,141; Sept. 4.
Denault, Rudolph, Brooklyn, N. Y. Antiskid device for vehicle wheels. 1,466,995; Sept. 4.
Denmire, Harold A., assignor of one-half to The General Tire and Rubber Company, Akron, Ohio. Collapsible-tire core. 1,467,142; Sept. 4.
Denmire, Harold A., assignor to The General Tire and Rubber Company, Akron, Ohio. Fabric-ring stretching and applying device. 1,467,143; Sept. 4.
Derby, William Y., assignor to The Crown Cork and Seal Company of Baltimore City, Baltimore, Md. Capping apparatus. 1,466,702; Sept. 4.
Derschug, John N., assignor to Syracuse Washing Machine Corporation, Syracuse, N. Y. Clothes wringer. 1,467,267; Sept. 4.
Desachy, Ernest, Loos-les-Lille, France. Loop-forming mechanism for knitting machines. 1,467,239; Sept. 4.
Deschamps, George O. (See Lenzi, D., and Deschamps.)
De Trentini, Rolf. (See Bergvall, Jakob L., assignor.)
De Witt, William H., Columbus, Ohio. Locomotive headlight. 1,467,144; Sept. 4.
Di Carlo, Donato, Philadelphia, Pa. Graphophone cabinet. Des. 62,983; Sept. 4.
Dinsmoor, John L., Brooklyn, assignor to Anchor Cap and Closure Corporation, Long Island City, N. Y. Seal. 1,466,815; Sept. 4.
Dinsmoor, John L., Brooklyn, assignor to Anchor Cap and Closure Corporation, Long Island City, N. Y. Seal. 1,466,816; Sept. 4.
Disbrow, Reuben B., Owatonna, assignor of one-half to L. P. Ordway, St. Paul, Minn. Pneumatic tire. 1,466,891; Sept. 4.
Dixon, Henry, Collingwood, Ontario, Canada. Vehicle spring. 1,466,817; Sept. 4.
Doerr, Harry E., assignor to Scullin Steel Co., St. Louis, Mo. Truck side frame. 1,466,892; Sept. 4.
Doe, Walter S., Kent, Ohio. Dry-cell primary battery. 1,467,240; Sept. 4.
Dolan, Frank J., Brooklyn, assignor to J. M. Price, New York, N. Y. Machine for making paper boxes. 1,467,026; Sept. 4.
Dolan, Frank J., Brooklyn, assignor to J. M. Price, New York, N. Y. Making paper boxes. 1,467,027; Sept. 4.
Dooley, John J., Bootle, Liverpool, England. Welding electrode holder. 1,467,028; Sept. 4.
Dorward, John G., San Francisco, Calif. Rotary power head. 1,467,145; Sept. 4.
Dow, Alex, Detroit, Mich., assignor to Worthington Pump and Machinery Corporation, New York, N. Y. Condenser circulating system. 1,466,703; Sept. 4.
Dow Chemical Company, The. (See Barstow, E. O., and Cottringer, assignors.)
Dow Chemical Company, The. (See Cottringer, Paul, assignor.)
Dow Chemical Company, The. (See Strosacker, C. J., and Schwegler, assignors.)
Draeseke, Alfred W., and A. W. Parkes, Dundas, Ontario, Canada, assignors to Niles-Bement-Pond Company, New York, N. Y. Boring mills. 1,466,818; Sept. 4.
Dreyfus, Henry, London, England. Manufacture of plastic masses. 1,466,819; Sept. 4.
Dudley, T. H. (See Mortensen, Arlington P., assignor.)
Dumble, Clifford R., Arlington, assignor, by mesne assignments, to the Lamson Company, Boston, Mass. Snap switch. 1,466,820; Sept. 4.
Dumont, Paul, Ampsin, Belgium. Discharge apparatus for limekilns and the like. 1,466,996; Sept. 4.
Dunbar, Howard W., assignor to Norton Company, Worcester, Mass. Electrically-driven grinding machine. 1,466,893; Sept. 4.
Duncan, Joseph S., Chicago, Ill. Follower for filing drawers. 1,466,792; Sept. 4.
Dunton, John C., Grand Rapids, Mich. Screening machine. 1,466,894; Sept. 4.
Durham, James W., Tipton, Ind. Gate hinge. 1,467,029; Sept. 4.
Du Pont, E. I., de Nemours & Company. (See Edwards, Victor C., assignor.)
Du Pont, Eleuthere P., Montchanin, Del. Carburetor. 1,466,704; Sept. 4.
Du Pont, Eleuthere P., Montchanin, Del. Ship construction. 1,466,705; Sept. 4.
Eames, George M., Bridgeport, Conn. Fabricating tire fabrics. 1,467,289; Sept. 4.

Eastman Kodak Company. (See Carroll, Stewart J., assignor.)
Eastman Kodak Company. (See De Moos, Charles, assignor.)
Eastman Kodak Company. (See Farrow, Edward S., jr., assignor.)
Eastman Kodak Company. (See Hodgson, Millard B., assignor.)
Eastman Kodak Company. (See Seel, Paul C., assignor.)
Eastman Kodak Company. (See Sulzer, A. F., and Van Derhoef, assignors.)
Eckert, Carl, Berlin-Neukolln, Germany. Apparatus for bestrewing or coating articles of manufacture with bronze or other pulverulent colors. 1,466,821; Sept. 4.
Edel Manufacturing Company, The. (See Edelman, Henry, assignor.)
Edelman, Henry, assignor to The Edel Manufacturing Co., Philadelphia, Pa. Bathtub appurtenance. 1,466,895; Sept. 4.
Edwards, Daniel G., Hopkinsville, Ky., assignor to J. A. Stone, Washington, D. C. Fire-control means for aircraft machine guns. 1,466,951; Sept. 4.
Edwards, Victor C., Arlington, N. J., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Reenforced glass. 1,467,030; Sept. 4.
Ehret, Cornelius D. (See McCaa, David G., assignor.)
Eisenlohr, Carl. (See Hren, J., and Eisenlohr.)
Electric Forge Corporation, The. (See Henry, Ira W., assignor.)
Ellery, Robert L., Toledo, Ohio. Screw-thread gage. 1,467,146; Sept. 4.
Elliott, Alexander D., Viola, Ill. Necktie holder. 1,466,706; Sept. 4.
Elliott, Basil W., assignor to The Trafolite Manufacturing Company, Cleveland, Ohio. Automobile signal light. 1,466,874; Sept. 4.
Elstein, Mordechai A., Kansas City, Mo. Syringe. 1,467,242; Sept. 4.
Enger, Elmer, Peno, S. Dak. Hayrack-sill adjuster. 1,466,822; Sept. 4.
Engert, George J., Spokane, Wash. Hollow concrete wall. 1,467,241; Sept. 4.
Enos, Frank, jr. (See Walker, H. H., and Enos.)
Erikson, Esther E., et al. (See Willson, Oscar, assignor.)
Erickson, Albert, Chicago, Ill., assignor to Splitdorf Electrical Company, Newark, N. J. Ignition device for internal-combustion engines. 1,467,269; Sept. 4.
Erickson, Albert, Chicago, Ill., assignor to Splitdorf Electrical Company, Newark, N. J. Ignition device for internal-combustion engines. 1,467,270; Sept. 4.
Erickson, David S. (See Anderson, Fred E., assignor.)
Escobales, H., Co. (See De Escobales, Hilario, assignor.)
Espenschied, Lloyd, Hollis, N. Y., assignor to American Telephone and Telegraph Company. Method of and apparatus for limiting the transmission of electrical energy. 1,466,707; Sept. 4.
Espenschied, Lloyd, Hollis, N. Y., assignor to American Telephone and Telegraph Company. Transmission system. 1,466,708; Sept. 4.
Ettner, Samuel, Brooklyn, N. Y. Article of furniture. 1,467,147; Sept. 4.
Eulitt, Ira M. (See Marshall, Walker E., assignor.)
Eustis, Frederic A., Milton, and D. Belcher, Boston, Mass., assignor of one-half to said Eustis and one-half to C. P. Perin, New York, N. Y. Separating and recovering iron and zinc from sulphide ores. 1,466,793; Sept. 4.
Evans, Henry S., and G. L. Fisk, Harrisburg, Pa. Magnet manipulator. 1,466,823; Sept. 4.
Falkenbach, Frank A. (See Cain, J. E., and Falkenbach.)
Falkenbach, Ellanor. (See Cain, J. E., and Falkenbach, assignors.)
Farbenfabriken vorm. Friedr. Bayer and Co. (See Bauer, Wilhelm, assignor.)
Farkas, Emil N., Chicago, Ill. Mailing device. 1,467,148; Sept. 4.
Farmer, James C., Radford, Va. Safety device. 1,466,932; Sept. 4.
Farrow, Edward S., jr., assignor to Eastman Kodak Company, Rochester, N. Y. Making alkali cellulose. 1,467,107; Sept. 4.
Federal Electric Company. (See White, Bruce C., assignor.)
Federal Motor Truck Company. (See Winans, Earl N., assignor.)
Fedun, Theodore, Detroit, Mich. Roller skate. 1,466,824; Sept. 4.
Felix, Frank L. (See Frame, Archie J., assignor.)
Fendagard Corporation. (See Forer, Morris, assignor.)
Ferguson Brothers Manufacturing Company. (See Hanley, William, assignor.)
Finch, Maurice S., et al. (See Kearby, Earl J., assignor.)
Fischer, Charles, New York, N. Y. Magnetic speedometer. 1,467,031; Sept. 4.
Fisk, Gustaf L. (See Evans, H. S., and Fisk.)
Fitzgerald, William J., Beloit, Wis. Road-making machine. 1,467,243; Sept. 4.
Fleming, Harry L., et al. (See Marshall, Walker E., assignor.)
Florence, Mary S., Marlow, England. Indicator applicable to the teaching of music or the selecting and combining of colors. 1,467,032; Sept. 4.
Fontaine, Robert A., Martinsville, Va. Speed-changing gearing. 1,466,933; Sept. 4.
Foord, Richard B., assignor to C. L. Wilson, Eltham Taranaki, New Zealand. Engineer's stethoscope. 1,466,825; Sept. 4.
Forer, Morris, Springfield, Mass., assignor to Fendagard Corporation. Fender guard. 1,467,283; Sept. 4.
Forster, Albert O. and P. M., Berkeley, Calif. Trap nest. 1,467,149; Sept. 4.
Forster, Percy M. (See Forster, Albert O. and P. M.)
Foster, Edward E., Beverly, assignor to C. C. Blake, Incorporated, Boston, Mass. Thread-measuring mechanism for sewing machines. 1,467,284; Sept. 4.
Frame, Archie J., Miami, Fla., assignor of one-half to F. L. Felix, Hartford, Ky. Dispensing device. 1,466,896; Sept. 4.
Franks, Norvin H., assignor to Cabranette Corporation, Chicago, Ill. Combined refrigerator and cabinet. Des. 62,984; Sept. 4.
Frantz Manufacturing Company. (See Frantz, Peter, assignor.)
Frantz, Peter, assignor to Frantz Manufacturing Company, Sterling, Ill. Making hinges. 1,467,244; Sept. 4.
Fraser, Fleming A., New York, N. Y. Lifting jack. 1,465,794; Sept. 4.
Frere, Bartlett E., Seattle, assignor of forty-nine per cent to J. W. Gaver, Everett, Wash. Portable saw. 1,467,150; Sept. 4.
French, Charles A., assignor to International Harvester Company, Chicago, Ill. Vaporizing fuel burner. 1,466,709; Sept. 4.
Freundt, Louis J., Chicago, Ill., assignor to American Can Company, New York, N. Y. Vanity box. 1,467,151; Sept. 4.
Fried. Krupp Aktiengesellschaft. (See Heine, Wilhelm, assignor.)
Fritch, Elue O., Belmont, assignor to Hood Rubber Company, Watertown, Mass. Tire. Des. 62,985; Sept. 4.
Fruth, George, et al. (See Van Pelt, Elmer L., assignor.)
Fuchs, John E., Stamford, Conn. Electrically-controlled air valve for carburetors. 1,466,710; Sept. 4.
Fuller, Rodolphus, Detroit, Mich. Four-wheel drive for electric vehicles. 1,467,152; Sept. 4.
Gamewell Fire Alarm Telegraph Company, The. (See Stanley, Vincent C., assignor.)
Gampher, Paul, Chicago, Ill. Earth auger. 1,466,897; Sept. 4.
Gans, Michael J., et al. (See Wentz, John, assignor.)
Ganz, Albert J., Los Angeles, Calif. Picture stand or support. 1,466,934; Sept. 4.
Garcia, Francisco, San Antonio, Tex. Automobile signal. 1,466,935; Sept. 4.
Gardner Machine Company. (See Bergen, Harry S., assignor.)
Gaver, James W. (See Frere, Bartlett E., assignor.)
Gay, Léon, Grenoble, France. Absorption, reaction, and like column. 1,466,936; Sept. 4.
General Motors Research Corporation. (See Aseltine, Fred E., assignor.)
General Railway Signal Company. (See Howe, Winthrop K., assignor.)
General Tire and Rubber Company, The. (See Denmire, Harold A., assignor.)
George, Harry C. (See Hayden, J. B., Morris, and George.)
Gerber, John G., Rochester, N. Y., assignor to Union Special Machine Company, Chicago, Ill. Tape guide for sewing machines. 1,466,937; Sept. 4.
Getz, M., & Co. (See Scribner, G. H. T., and Susskind, assignors.)
Gheen, John W., Los Angeles, Calif. Pressure regulator. 1,466,875; Sept. 4.
Gheen, John W., Los Angeles, Calif. Machine for displaying rugs, carpets, and other like articles. 1,466,876; Sept. 4.
Gibson, Robert M., Pittsburgh, Pa. Fuel mixer. 1,466,795; Sept. 4.
Glass, Frederick W., Newburgh, N. Y. Device for tilting the mattress-supporting frame of bedsteads. 1,466,711; Sept. 4.
Goodman, Keeley L. (See Goodman, Walter R. and K. L.)
Goodman, Walter R., Worthing, and K. Goodman, Richmond, England. Engine-starting device. 1,467,033; Sept. 4.
Gordon, William A., Shelton, assignor to Birmingham Iron Foundry, Derby, Conn. Centrifugal mold. 1,466,826; Sept. 4.
Government of the United States, represented by the Secretary of the Navy. (See Nichols, Ernest F., assignor.)
Graham, Jesse, Leeds, England, assignor to Bradford Dyers' Association Limited, Bradford, England. Hydraulic accumulator. 1,466,898; Sept. 4.
Gratton, Leo B. (See Starbird, Robert H., assignor.)
Gravity Dump Manufacturing Company, The. (See McCullough, E. D., and Butcher, assignors.)
Green, Charles A., and H. F. Schuh, assignors to The C. F. Pease Company, Chicago, Ill. Drawing instrument. 1,466,712; Sept. 4.
Green Engineering Company. (See Poppenhusen, H. A., and Strong, assignors.)
Green, Louis, Howrah, Calcutta, British India. Rail support and fastening. 1,466,997; Sept. 4.
Green, Louis, Howrah, Calcutta, British India. Rail support and fastening. 1,466,998; Sept. 4.
Green, William H., assignor to The Remiller Co., New York, N. Y. Face-powder box. Des. 62,987; Sept. 4.

Grimme, Natalis & Co., Kommandit-Gesellschaft auf Aktien. (See Schaller, Carl, assignor.)
Gruber, Louis S., Arnold, assignor to L. Gruber, Pittsburgh, Pa. Window. 1,467,034; Sept. 4.
Gruber, Luise. (See Gruber, Louis S., assignor.)
Grubman Engineering & Manufacturing Company. (See Grubman, Leo J., assignor.)
Grubman, Leo J., assignor to Grubman Engineering & Manufacturing Company, New York, N. Y. Sound-producing device. 1,466,877; Sept. 4.
Grubman, Leo J., assignor to Grubman Engineering & Manufacturing Company, New York, N. Y. Sound-producing device. 1,466,878; Sept. 4.
Grundler, Joseph, assignor to Perfect Shock Absorber Spring Company, Inc., New York, N. Y. Shock-absorbing spring. 1,467,035; Sept. 4.
Gulesian, Selden J., Revere, Mass. Adjustable rail fitting. 1,467,153; Sept. 4.
Gutekunst, David W., assignor of one-third to E. G. Helander and one-third to C. Anderson, Philadelphia, Pa. Toy vehicle. 1,467,271; Sept. 4.
Gwyer, Herbert J., New York, N. Y. Refrigerator trap. 1,466,827; Sept. 4.
H. & H. Ignition Corporation. (See Hawkins, William W., assignor.)
Hacker Manufacturing Co. (See Sanford, Floyd N., assignor.)
Hamann, William. (See Brice, A. W., and Hamann.)
Hamlet, Stepney R., et al. (See Marshall, Walker E., assignor.)
Hammond, John H., jr., Gloucester, Mass. System of radio-directive control. 1,467,154; Sept. 4.
Hanley, George C., Malden, Mass. Shut-off cock. 1,466,828; Sept. 4.
Hanley, William, East Orange, assignor to Ferguson Brothers Manufacturing Company, Hoboken, N. J. Ash tray. Des. 62,988; Sept. 4.
Hanley, William, East Orange, assignor to Ferguson Brothers Manufacturing Company, Hoboken, N. J. Ash tray. Des. 62,989; Sept. 4.
Hanley, William, East Orange, assignor to Ferguson Brothers Manufacturing Company, Hoboken, N. J. Ash tray. Des. 62,990; Sept. 4.
Hanson, Bengt M. W., Hartford, Conn. Tool and holder therefor. 1,466,899; Sept. 4.
Hanson, Lennie A., Kirkland, Wash. Side wing for windshields. 1,466,713; Sept. 4.
Harase, Hanzaburo, Los Angeles, Calif. Telephone card-directory holder. 1,467,290; Sept. 4.
Harmon, Nathaniel O., Los Angeles, Calif. Hydraulic classifier. 1,467,285; Sept. 4.
Harnden, Charles A., Alderley Edge, England. Embossing machine or press. 1,466,714; Sept. 4.
Harper, Robert J., sr., Chicago, Ill. Elevator-door lock. 1,466,900; Sept. 4.
Harris, William A., Gallatin, Tenn. Hydrocarbon burner. 1,466,938; Sept. 4.
Hart, William A., Columbus, Ohio. Umbrella carrier. 1,466,715; Sept. 4.
Harter, Isaac, Dongan Hills, N. Y., assignor to The Babcock & Wilcox Company, Bayonne, N. J. Furnace. 1,466,879; Sept. 4.
Hartley, James, Philadelphia, Pa. Railway bolt. 1,467,155; Sept. 4.
Harvey, David W., Toronto, Ontario, Canada. Passenger car. 1,466,939; Sept. 4.
Hastings, Benjamin J., Taunton, Mass. Railway-bridge warning. 1,467,156; Sept. 4.
Hawkins, William W., assignor to H. & H. Ignition Corporation, New York, N. Y. Ignition system. 1,466,829; Sept. 4.
Hawkins, William W., Brooklyn, N. Y., assignor to Webster Electric Company, Racine, Wis. Ignition system. 1,466,940; Sept. 4.
Hayden, Harry J., sr. (See Hayden, Harry J., jr., assignor.)
Hayden, Harry J., jr., assignor to Harry J. Hayden, sr., Lakewood, Ohio. Display device for use in advertising. 1,466,736; Sept. 4.
Hayden, Joseph B., J. Morris, and H. C. George, South Greensburg, Pa. High-pressure grease and oil dispenser. 1,467,157; Sept. 4.
Hayward, Charles W., Santa Barbara, Calif. Form for concrete construction. 1,466,830; Sept. 4.
Hazelton, Carl J., assignor to American Narrow Fabric Company, Worcester, Mass. Hose supporter. 1,467,158; Sept. 4.
Hazlehurst, Charles B., Pasadena, Calif. Broiling skillet. 1,467,272; Sept. 4.
Heck, Carl W., Hastings-on-Hudson, assignor to Western Electric Company, Incorporated, New York, N. Y. Loud-speaking receiver. Des. 62,986; Sept. 4.
Hedtrich, Arthur. (See Lewisky, J., and Hedtrich.)
Heine, Wilhelm, assignor to Fried. Krupp Aktiengesellschaft, Essen-on-the-Ruhr, Germany. Gun barrel. 1,467,159; Sept. 4.
Helander, Ernst G., et al. (See Gutekunst, David W., assignor.)
Helfrich, George P., San Francisco, Calif. Fountain attachment for brushes. 1,467,036; Sept. 4.
Heller, L., & Son, Inc. (See Heller, Milton J., assignor.)
Heller, Milton J., assignor to L. Heller & Son, Inc., New York, N. Y. Precious, or semiprecious, or synthetic stone, or an imitation thereof, or an article of similar nature. Des. 62,991; Sept. 4.
Heller, Milton J., assignor to L. Heller & Son, Inc., New York, N. Y. Precious or semiprecious, or synthetic stone, or an imitation thereof or an article of similar nature. Des. 62,992; Sept. 4.
Helliwell, Frank O. (See Chick, H. R., Helliwell, and Plumbridge.)
Henry, Ira W., assignor to The Electric Forge Corporation, New York, N. Y. Electric weld-forging method. 1,466,716; Sept. 4.
Hernu, Henri, Meudon, France. Gas generator. 1,466,831; Sept. 4.
Hikoshima Rutsubo Kabushiki Kaisha. (See Nakamura, Kazo, assignor.)
Hilger, George, Chicago, Ill. Refrigerating apparatus and method for soda fountains. 1,467,246; Sept. 4.
Hill, Harry W., assignor to American Optical Company, Southbridge, Mass. Lens-grinding apparatus. 1,467,160; Sept. 4.
Hill, Lewis L. (See Tuttle, M. I., and Hill.)
Hindmarsh, Percy J., Lincoln, Nebr., and J. W. Meaker, Evanston, Ill., assignors to The American Steel and Wire Company of New Jersey. Fencepost. 1,466,880; Sept. 4.
Hines, Edwin G. (See Boock, Gustave J., assignor.)
Hirt, Jules H., El Paso, Tex., assignor to Alvarado Mining and Milling Company, New York, N. Y. Chloridizing of ores. 1,467,037; Sept. 4.
Hoe, R., and Co. (See Sheldon, Edward P., assignor.)
Hodgkinson, Edwin, assignor to Taylor Instrument Companies, Rochester, N. Y. Recording apparatus. 1,466,717; Sept. 4.
Hodgson, Millard B., assignor to Eastman Kodak Company, Rochester, N. Y. Dental film mount. 1,467,108; Sept. 4.
Holkenbrink, Henry F., Portland, Oreg. Service switch box. 1,467,109; Sept. 4.
Hollander, Marcus, Brooklyn, N. Y. Air propeller. 1,466,901; Sept. 4.
Holman, Daniel F., Farmersville, Ohio. Conduit-protection means. 1,466,718; Sept. 4.
Holt, Victor L., Portland, Oreg. Stump puller. 1,467,161; Sept. 4.
Hood Rubber Company. (See Fritch, Elue O., assignor.)
Hookless Fastener Company. (See Sundback, Gideon, assignor.)
Hooper, James P., Manufacturing Company. (See Conley, A. D., and Stillwell, assignors.)
Hopedale Manufacturing Company. (See Northrop, Jonas, assignor.)
Hopedale Manufacturing Company. (See Snow, Isaac, assignor.)
Hormel, August. (See Wagner, C., and Hormel.)
Horton, Albert J., White Plains, N. Y., assignor to The Cutler-Hammer Mfg. Co., Milwaukee, Wis. Motor controller. 1,466,902; Sept. 4.
Hose, Laurence V. (See Blasauf, J. F. and Hose.)
Houze, Luke, Stockton, Calif. Ice box. 1,466,941; Sept. 4.
Howard, Alonzo, assignor to Lightnin Sparker Manufacturing Company, Chicago, Ill. Ignition-controlling apparatus. 1,466,719; Sept. 4.
Howard, Alonzo, Chicago, Ill. Ignition apparatus. 1,466,720; Sept. 4.
Howden, James, & Company. (See Hume, Crawford W., assignor.)
Howe, Winthrop K., assignor to General Railway Signal Company, Rochester, N. Y. Switch machine. 1,466,903; Sept. 4.
Hren, Joseph, Rosendale, N. Y., and C. Eisenlohr, Newark, N. J. Clutch mechanism. 1,466,832; Sept. 4.
Hubbard, Don C., Auburn, Me. Renewable fuse plug. 1,467,162; Sept. 4.
Hugershoff, Reinhard, Tharandt, near Dresden, Germany. Automatic protracting apparatus combined with two computing theodolites. 1,467,163; Sept. 4.
Huhn, Alex G., assignor to A. Huhn Manufacturing Company, Minneapolis, Minn. Drier. 1,467,038; Sept. 4.
Huhn, A., Manufacturing Company. (See Huhn, Alex G., assignor.)
Hulse, Robert E., Wall Lake, Iowa. Combined parting and weather strip for sliding sashes. 1,466,833; Sept. 4.
Hume, Crawford W., assignor to James Howden & Company, Limited, Glasgow, Scotland. Sluice or gate valve. 1,467,039; Sept. 4.
Hunt, William C., Toronto, Ontario, Canada. Combined phonograph and advertising cabinet. Des. 62,993; Sept. 4.
Hunter, Royall C., Chicago, Ill. Corn popper. 1,466,721; Sept. 4.
Huntley, George J., assignor to The Crown Cork and Seal Company of Baltimore City, Baltimore, Md. Packaging apparatus. 1,466,722; Sept. 4.
Hutchinson, John H., Port Melbourne, Victoria, Australia. Controlling means for dumping bodies. 1,467,164; Sept. 4.
Ingersoll-Rand Company. (See Prellwitz, William, assignor.)
International Harvester Company. (See French, Charles A., assignor.)
Irving, John, and A. J. Rison, Wanganui, Wellington, New Zealand. Stamp and making same. 1,467,110; Sept. 4.
Irving-Pitt Manufacturing Company. (See Pitt, Frederick D., assignor.)

Irving-Pitt Manufacturing Company. (See Pitt, William P., assignor.)
Isbell, Louis S. (See Murphy, T. H., Isbell, and Sawyer.)
Izawa, Riichiro, Shimogyo-ku, Kyoto, Japan. Toothbrush. 1,466,723; Sept. 4.
Jackson, Henry O., Denver, Colo., assignor to National Pump Company. Rotary pump. 1,466,904; Sept. 4.
Jackson, Thomas E., et al. (See Barr, C. E., and Jackson.)
Jacob, Brent C., assignor to The Brown Hoisting Machinery Company, Cleveland, Ohio. Rail clamp for overhead cranes. 1,466,657; Sept. 4.
Jacob, Heinrich, assignor to the Firm of Optische Anstalt, C. P. Goerz, Aktiengesellschaft, Friedenau, near Berlin, Germany. Drop projectile and fuse for same. 1,466,884; Sept. 4.
James, Edward, Cleveland, assignor, by mesne assignments, to The Youngstown Sheet and Tube Company, Youngstown, Ohio. Manufacture of flexible metal tubing. 1,466,999; Sept. 4.
Jaques, George, Casper, Wyo. Swivel rope socket for oil-well-drilling tools. 1,467,273; Sept. 4.
Jarnig, Andrew J., Seattle, Wash. Safety mechanism for elevator doors. 1,467,247; Sept. 4.
Jauch, Frederic W., Pittsburgh, Pa. Lock bolt for gas-service cocks. 1,467,000; Sept. 4.
Jennings, Chester S., Wellesley Farms, assignor to The Lamson Company, Boston, Mass. Adjustable feeder. 1,466,835; Sept. 4.
Jerabek, Charles, and E. H. Bainbridge, Philadelphia, Pa. Finger moistener. 1,467,040; Sept. 4.
John, Daniel W., Mancos, Colo. Bag holder. 1,467,165; Sept. 4.
Johnson, Alfred E., Denver, Colo. Crank-shaft-turning device. 1,466,881; Sept. 4.
Johnson, Otto E., Skien, Norway. Transport device for grain and the like. 1,467,041; Sept. 4.
Joksch, Rudolf, Prague-Karolinenthal, Czechoslovakia. Multiplying machine. 1,467,042; Sept. 4.
Jones, Joseph H., Winthrop, assignor of one-half to R. Burgess, Newton Center, Mass. Cap-spinning frame. 1,467,286; Sept. 4.
Jones, Joseph H., Winthrop, assignor of one-half to R. Burgess, Newton Center, Mass. Cap-spinning frame. 1,467,287; Sept. 4.
Jones, Llewellyn W., Wynnewood, Pa. Forming pipe balls. 1,467,166; Sept. 4.
Jones, Russell S., Chicago, Ill. Shipping bag. 1,466,658; Sept. 4.
Jones, Stephen H., Forrest City, Ark. Wagon-box lifter. 1,467,167; Sept. 4.
Kabanuck, Jack B., Max, N. Dak. Piston-ring remover. 1,466,659; Aug. 28.
Kanamori, Shigeyuki, Tokyo, Japan. Building block. 1,466,836; Sept. 4.
Kaplan, Victor, Brunn, Austria. Draft tube. 1,467,168; Sept. 4.
Kardos, Emanuel, Newark, assignor to Metal & Thermit Corporation, Chrome, N. J. Tin sponge article of manufacture and producing and utilizing the same. 1,466,837; Sept. 4.
Kaucher, Alexander W., Rochester, N. Y. Illuminated sign. Des. 62,994; Sept. 4.
Kearby, Earl J., assignor of forty-nine one-hundredths to M. E. Kearby, one-fourth to M. S. Finch, and one-fourth to J. A. Muehenberger, St. Joseph, Mo. Selective power transmission. 1,467,274; Sept. 4.
Kearby, Mary E., et al. (See Kearby, Earl J., assignor.)
Kearns, H. W., and Company Limited. (See Kearns, Joseph R. C., assignor.)
Kearns, Joseph R. C., assignor of one-half to H. W. Kearns and Company Limited, Broadheath, near Manchester, England. Means for indicating and measuring the travel of moving parts of machine tools. 1,467,043; Sept. 4.
Keil, Gustav B., assignor to Upton Machine Company, St. Joseph, Mich. Power-transmitting gearing. 1,467,169; Sept. 4.
Kelly, Henry D., Kansas City, Mo. Float-valve control for leacher buckets. 1,467,170; Sept. 4.
Kelly, Henry D., Kansas City, Mo. Float valve for coffee urns. 1,467,171; Sept. 4.
Kellogg, Elmo L., San Francisco, Calif. Anchoring microphone parts. 1,467,001; Sept. 4.
Kellogg Switchboard and Supply Company. (See Stazak, Michael B., assignor.)
Kellogg Switchboard and Supply Company. (See Suekoff, Samuel, assignor.)
Kennedy, Donald S., New York, N. Y. Tire. 1,467,172; Sept. 4.
Kennedy, Elizabeth J., Philadelphia, Pa. Household implement. 1,466,838; Sept. 4.
Kennedy, John E., Dayton, Ohio. Traffic signal. 1,467,173; Sept. 4.
Kennedy, Lewis W., Hot Sulphur Springs, Colo. Nonskid-chain fastener. 1,466,905; Sept. 4.
Kern, Philip E., Chicago, Ill., assignor to Western Electric Company, Incorporated, New York, N. Y. Protection of iron and steel. 1,467,174; Sept. 4.
Kerr, Charles J., Seattle, Wash. Automobile refrigerator. 1,466,906; Sept. 4.
Kibbe, Milo W., Los Angeles, Calif. Valve-spring compressor and placer. 1,466,796; Sept. 4.
Kiefer, Edwin F., Cleveland, Ohio, assignor to National Carbon Company, Inc. Electric furnace. 1,467,044; Sept. 4.
Kimball, Wallace D., and A. E. Rideout, Chicago, Ill., assignors to Standard Sealing Equipment Corporation, New York, N. Y. Carton-sealing machine. 1,467,045; Sept. 4.
King, Howard K., Philadelphia, Pa., assignor to Chambers Brothers Company. Sheet-registering device. 1,466,660; Sept. 4.
Kirschbraun, Lester, Chicago, Ill., assignor to The Raybestos Company, Bridgeport, Conn. Friction facing and making same. 1,466,907; Sept. 4.
Klee, Anton, jr., Fountain City, Wis. Lever adjustment. 1,466,889; Sept. 4.
Klocke, William, Wood Haven, assignor to E. W. Bliss Company, Brooklyn, N. Y. Press having spring-pressed blank holder. 1,466,908; Sept. 4.
Koehring Company. (See Robb, John F., assignor.)
Koerner, Joseph, Coburg, Germany. Decomposing zirconium and similar ores. 1,467,275; Sept. 4.
Kompak Company, The. (See Long, Herbert J., assignor.)
Knott, Clyde L., Beverly, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J. Operator's chair. 1,466,661; Sept. 4.
Kramer, Le Roy, Toledo, Ohio, and A. Boome, Chicago, Ill. Stop device for lathes. 1,467,175; Sept. 4.
Kramer, Le Roy, Toledo, Ohio, and A. Boome, Chicago, Ill. Tool mounting for lathes. 1,467,176; Sept. 4.
Kreeger, Frederick R., East Cleveland, Ohio. Implement holder. 1,466,737; Sept. 4.
Kropff, William, New York, N. Y. Bottle. Des. 62,995; Sept. 4.
Kropff, William, New York, N. Y. Bottle. Des. 62,996; Sept. 4.
Kryzanowsky, Constant J., Mount Washington, assignor to The Crown Cork and Seal Company of Baltimore City, Baltimore, Md. Bottle-capping machine. 1,466,662; Sept. 4.
Kucera, Peter, assignor to Capstan Glass Company, Connellsville, Pa. Packing jar or the like. 1,466,840; Sept. 4.
Kurtz, Benjamin F., Avalon, assignor to Pressed Steel Car Company, Pittsburgh, Pa. Brake-adjusting mechanism. 1,467,046; Sept. 4.
La Belle, Anthony, Chicago, Ill. Quick-acting shut-off valve. 1,467,177; Sept. 4.
Lafferty, Harry C., New Castle, Pa. Line fastener. 1,467,276; Sept. 4.
Lamb, Harold S., assignor to W. C. Scheu, Los Angeles, Calif. Homogenizer. 1,466,797; Sept. 4.
La Moreaux, Frank W., Syracuse, N. Y. Glare stop. 1,467,002; Sept. 4.
Lamson Company, The. (See Dumble, Clifford R., assignor.)
Lamson Company, The. (See Jennings, Chester S., assignor.)
Land, Rector E., Houston, Tex., assignor to Petroleum Rectifying Co. Electrical dehydrator. 1,467,003; Sept. 4.
Landberg, Per E., Stockholm, Sweden. Electrical-resistance element of electric soldering irons and similar heating apparatus. 1,467,178; Sept. 4.
Landers, Michael J., Chicopee, Mass. Relief-valve attachment for faucets. 1,467,004; Sept. 4.
Lapkin, Harry D., San Francisco, Calif., assignor to National Carbon Company, Inc. Coating battery electrodes. 1,467,047; Sept. 4.
Lawrence, John, San Diego, Calif. Ventilating, heating, cooling, and shade apparatus for rooms. 1,467,005; Sept. 4.
Leaver, James M. and J. M., jr., Oakland, Calif. Lumber sorter. 1,466,909; Sept. 4.
Leaver, James M., jr. (See Leaver, James M. and J. M., jr.)
Lecoeq, Eugène, Brussels, Belgium. Coke oven. 1,466,663; Sept. 4.
Lenegre, José T., Oviedo, Spain. Furnace for the treatment of mineral or ores. 1,467,179; Sept. 4.
Lenzi, Dwight, and G. O. Deschamps, Idaho Falls, Idaho. Dental measurement-wire container. 1,466,910; Sept. 4.
Leonard Roller Gear Drive Thresher Company. (See Leonard, William C., assignor.)
Leonard, William C., assignor to Leonard Roller Gear Drive Thresher Company, Lewiston, Idaho. Vehicle wheel. 1,467,180; Sept. 4.
Lessell Company, The. (See Lessell, John B., assignor.)
Lessell, John B., assignor to The Lessell Company, Zanesville, Ohio. Manufacture of ornamented ware. 1,467,111; Sept. 4.
Levy, Lucien, Paris, France. Antiparasitic selecting system. 1,466,841; Sept. 4.
Lewis, Lloyd V., Edgewood Borough, assignor to The Union Switch & Signal Company, Swissvale, Pa. Railway-traffic-controlling system. 1,466,911; Sept. 4.
Lewisky, John, and A. Hedtrich, New York, N. Y. Electric iron. 1,467,181; Sept. 4.
Liberty Machine Tool Co., The. (See McCann, Alfred R., assignor.)
Lightnin Sparker Manufacturing Company. (See Howard, Alonzo, assignor.)
Lightoller Company. (See Dahl, Thure E., assignor.)

Lincoln Steel and Forge Company. (See Barks, Frank S., assignor.)
Lindberg, Charles A., assignor to Sturgis Steel Go-Cart Company, Sturgis, Mich. Adjustable support. 1,466,952; Sept. 4.
Linotype and Machinery Limited. (See Bugler, A. V., and Delafons, assignors.)
Linotype and Machinery Limited. (See Parker, Thomas R. G., assignor.)
Linral Company, The. (See Cates, Franklin O., assignor.)
Lisenby Manufacturing Company. (See Barber, Lewis R., assignor.)
Livesay, George M., Ashley, Ill. Electric lock. 1,467,048; Sept. 4.
Locomobile Company, The. (See Roos, Delmar G., assignor.)
Long, Herbert J., assignor to The Kompak Company, New Brunswick, N. J. Emergency fuel-valve-control appliance. 1,467,049; Sept. 4.
Long, Lewis R. (See White, Fred G., assignor.)
Lousdale, Clair H., Fort Sam Houston, Tex. Collar button. 1,467,050; Sept. 4.
Loomis, Crawford C. (See Pedersen, J. D., and Loomis.)
Loomis, Evarts G., Newark, N. J. Working metal. 1,466,953; Sept. 4.
Lossing, Dawson R., assignor of one-half to H. Miller, South Pasadena, Calif. Oyster dredge. 1,467,277; Sept. 4.
Lovejoy, Ralph M., Meredith, N. H. Spring shackle for vehicles. 1,467,051; Sept. 4.
Lovett, Stephen H., Miles City, Mont. Car door. 1,467,248; Sept. 4.
Lowe, Henry A., Cleveland, Ohio. Test indicator. 1,466,664; Sept. 4.
Lucier, Theophelles D., Detroit, Mich. Making molds. 1,467,112; Sept. 4.
Lum, George R., assignor to Western Electric Company, Incorporated, New York, N. Y. Loud-speaking telephone receiver. Des. 62,997; Sept. 4.
Luttrell, Paul S., and P. C. Roske, Oakland, Calif. Timing device. 1,466,842; Sept. 4.
Luttrell, Paul S., and P. C. Roske, assignors to American Clock Corporation, Oakland, Calif. Alarm clock. 1,466,843; Sept. 4.
Lyon, George A., Philadelphia, Pa. Vehicle buffer device. 1,466,882; Sept. 4.
McCaa, David G., Palo Alto, Calif., assignor of one-half to C. D. Ehret, Philadelphia, Pa. Current relaying and production. 1,466,912; Sept. 4.
McCann, Alfred R., assignor to The Liberty Machine Tool Co., Hamilton, Ohio. Clamp. 1,467,182; Sept. 4.
McCloskey, Alfred C., assignor to F. W. Bacon, Philadelphia, Pa. Combined bumper and fender for motor vehicles. 1,466,883; Sept. 4.
McCullough, Eli D., and A. W. Butcher, Solomon, Kans., assignors to The Gravity Dump Manufacturing Company. Attachment for wagon dumps. 1,467,183; Sept. 4.
McDougall, Alexander, Duluth, Minn. Preparing and transporting peat or other granular material hydraulically. 1,466,884; Sept. 4.
McElroy, Karl P., Washington, D. C., assignor, by mesne assignments, to Carbide and Carbon Chemicals Corporation. Making glycerin. 1,466,665; Sept. 4.
McElwain, Henry E., et al. (See Van Pelt, Elmer L., assignor.)
McGuckin, John J., Brooklyn, assignor to L. Schwab, New York, N. Y., doing business as Stevens & Company. Valve-stem lengthener. 1,466,844; Sept. 4.
McMeans, William, West Liberty, Iowa. Grain elevator. 1,466,724; Sept. 4.
McMeans, William, West Liberty, Iowa. Mausoleum. 1,466,725; Sept. 4.
McReynolds, Thomas F., Pueblo, Colo. Attachment for shoe-stitching machines. 1,467,052; Sept. 4.
Mach, Ludwig, Munich, Germany. Freezing machine of the absorption type. 1,467,053; Sept. 4.
Mandalian, Sahatiel G., North Attleboro, Mass. Girdle. Des. 62,998; Sept. 4.
Manning, Maxwell & Moore, Inc. (See Crocker, Ernest R., assignor.)
Marble, William B., Los Angeles, Calif., assignor to Southern Glass Company. Bottle. Des. 62,999; Sept. 4.
Marcus, Charles L., New York, N. Y. Perfume container. Des. 63,000; Sept. 4.
Marshall, Walker E., assignor of forty-five per cent to I. M. Eulitt, Springfield, Ohio. Valve. 1,466,666; Sept. 4.
Marshall, Walker E., assignor of forty-five per cent to I. M. Eulitt, Springfield, Ohio. Automobile attachment. 1,466,667; Sept. 4.
Marshall, Walker E., Springfield, Ohio, assignor of forty-five per cent to O. C. Brown, W. H. Bowers, S. R. Hamlet, A. Bowman, F. Schaefer, H. I. Fleming, J. Masterpos, C. H. Stroufe, and C. Davidson, Springfield, Ohio. Locking valve. 1,466,668; Sept. 4.
Martinson, Martin, Princeton, Ill. Shield. 1,466,669; Sept. 4.
Maslen, Frank A., et al. (See Walper, Curry O.)
Masterpos, James, et al. (See Marshall, Walker E., assignor.)
Mathesius, Walther, Chicago, Ill. Gas-washer tower. 1,467,184; Sept. 4.
Matheson, Ian E., Radville, Saskatchewan, Canada. Toboggan slide. 1,467,293; Sept. 4.
Matthews, Jesse C., Kamiah, Idaho. Peep sights for firearms. 1,466,913; Sept. 4.
Maxwell, Erastus M., Cardinal, Va. Merry-go-round. 1,466,845; Sept. 4.
Meaker, John W. (See Hindmarsh, P. J., and Meaker.)
Medén, Elof H., Short Hills, assignor to American Gasaccumulator Company, Elizabeth, N. J. Light-operated controller. 1,466,885; Sept. 4.
Meeks, Earl A., Green Cove Springs, Fla. Fireproof garment. 1,466,726; Sept. 4.
Menasha Wooden Ware Company. (See Cooper, Simon, assignor.)
Menges, Albert C., Memphis, Tenn., assignor to Menges Motors Company, Greenville, Miss. Distributor. 1,467,054; Sept. 4.
Menges Motors Company. (See Menges, Albert C., assignor.)
Meriam, Joseph B., Cleveland, Ohio. Flexible coupling. 1,467,185; Sept. 4.
Mertens, George. (See Allen, James M., assignor.)
Mervin, William M., et al. (See Barr, C. E., and Jackson, assignors.)
Merwin, John C., assignor to Chain Belt Company, Milwaukee, Wis. Safety guard. 1,467,186; Sept. 4.
Metal & Thermit Corporation. (See Kardos, Emanuel, assignor.)
Metzger, Floyd J., New York, N. Y., assignor to Air Reduction Company, Incorporated. Luminescent tube. 1,467,187; Sept. 4.
Meves, Gustav N., Davenport, Iowa. Clothes wringer. 1,466,914; Sept. 4.
Meyers, Theodore A., Toledo, Ohio. Packing for pistons. 1,467,113; Sept. 4.
Michelbach, Frank, Del Ray, Va. Rug-display rack. Des. 63,001; Sept. 4.
Michelin, André J., Paris, France. Automatic alarm for partially-deflated tires. 1,467,055; Sept. 4.
Mikkola, Aate. (See Toelcke, K. L., Mikkola, and Shapiro.)
Miller, Edward & Company. (See Wolter, Herman H., assignor.)
Miller, Harry M., assignor to National Peeling Machine Company, Los Angeles, Calif. Apparatus for and method of peeling vegetables or fruits. 1,466,798; Sept. 4.
Miller, Harry M., South Pasadena, assignor to National Peeling Machine Company, Los Angeles, Calif. Peeling machine. 1,466,799; Sept. 4.
Miller, Herman. (See Lossing, Dawson R., assignor.)
Miner, William H. (See O'Connor, John F., assignor.)
Mix, Gainford P., Moscow, Idaho. Land pulverizer and mulcher. 1,467,056; Sept. 4.
Moglich, Anthony J., Oakland, Calif. Safety door guard. 1,467,057; Sept. 4.
Monti, Endo, Turin, Italy. Concentrating solutions and evaporating fluids. 1,466,670; Sept. 4.
Moore, Oscar W., Chicago, Ill. Temperature indicator. 1,466,886; Sept. 4.
Moore, Oscar W., Chicago, Ill. Temperature indicator. 1,466,887; Sept. 4.
Morgan, Rees C., assignor to Bethlehem Steel Company, Bethlehem, Pa. Device for preventing relative rotation of gun cylinders. 1,466,800; Sept. 4.
Morgan, Walter E., Dayton, Tenn. Fastener for basket covers. 1,466,801; Sept. 4.
Mori, Albert H., Brooklyn, N. Y. Float. 1,466,671; Sept. 4.
Morris, John. (See Hayden, J. B., Morris, and George.)
Morrissey, Lilly S., Richmond Heights, Mo. Water-shedding compound for glass windshields. 1,466,888; Sept. 4.
Morse, Charles S., Roland Park, assignor to Baltimore Tube Company, Inc., Baltimore, Md. Method and means for billet casting. 1,466,738; Sept. 4.
Morse, Chester H., Taunton, Mass. Liquid-measuring apparatus. 1,467,058; Sept. 4.
Mortensen, Arlington P., Provo, Utah, assignor of one-tenth to T. H. Dudley, Santa Monica, Calif. Beet topper. 1,466,889; Sept. 4.
Moses, Frank D., Trenton, N. J. Valve control. 1,467,059; Sept. 4.
Mousseau, Charles A., Pittsburgh, Pa. Cross chain for antiskid chains. 1,467,188; Sept. 4.
Moussette, Oliver J., Richmond Hill, N. Y. Crusher. 1,467,189; Sept. 4.
Muehenberger, John A., et al. (See Kearby, Earl J., assignor.)
Muhlenbruch, Fred W., Bergenfield, N. J. Hinge. 1,467,190; Sept. 4.
Munning, A. P., & Co. (See Munning, August P., assignor.)
Munning, August P., Brooklyn, assignor to A. P. Munning & Co., New York, N. Y. Anode. 1,467,060; Sept. 4.
Murphy, Clinton C., deceased, by E. B. Murphy, Chicago, Ill., administratrix, assignor to W. P. Murphy, New York, N. Y. Car door. 1,467,061; Sept. 4.
Murphy, Edna B., administratrix. (See Murphy, Clinton C.)
Murphy, Thomas H., L. S. Isbell, and E. W. Sawyer, North Anson, Me. Bow protector for automobile tops. 1,466,808; Sept. 4.
Murphy, Walter P. (See Murphy, Clinton C., assignor.)

Murray, Albert L., assignor to Auburn Rubber Co., Auburn, Ind. Nonskid tread for a pneumatic tire. Des. 63,002; Sept. 4.

Murray-Black Company, The. (See Murray, Laban H., assignor.)

Murray, Laban H., assignor to The Murray-Black Company, Springfield, Ohio. Paper cutter. 1,467,006; Sept. 4.

Nakamura, Koto, assignor to Hikoshima Rutsubo Kabushiki Kaisha, Toyoura-gun, Japan. Graphite crucible. 1,466,739; Sept. 4.

Nasmith, John W., Manchester, England. Combing machine. 1,466,846; Sept. 4.

National Carbon Company. (See Kiefer, Edwin F., assignor.)

National Carbon Company. (See Lapkin, Harry D., assignor.)

National Peeling Machine Company. (See Miller, Harry M., assignor.)

National Pneumatic Company. (See Rowntree, Harold, assignor.)

National Pump Company. (See Jackson, Henry O., assignor.)

Nauman, Charles A., Jr. (See Barnard, H. L., and Nauman.)

Neighbour, Arthur G. L., Brighton, Victoria, Australia. Magneto-electric ignition machine. 1,467,062; Sept. 4.

Nelson, Charles A., Utica, N. Y. Antifriction bearing. 1,467,063; Sept. 4.

Neudorff, Frederick. (See Reid, R. R., and Neudorff.)

New Haven Clock Co. (See Whitehead, Richard H., assignor.)

Nichols, Ernest F., New Haven, Conn., assignor to Government of the United States, represented by the Secretary of the Navy. Submarine mine. 1,466,915; Sept. 4.

Nienkirk, William B., Maquoketa, Iowa. Apparatus for burning in bearings of internal-combustion motors. 1,466,740; Sept. 4.

Niles-Bement-Pond Company. (See Draeseke, A. W., and Parkes, assignors.)

Niles-Bement-Pond Company. (See Sears, Willard T., assignor.)

Nobbs, George H., Watertown, Mass. Tractor appliance. 1,466,802; Sept. 4.

Northrop, Jonas, Hopedale, assignor to Hopedale Manufacturing Company, Milford, Mass. Feeler loom. 1,466,847; Sept. 4.

Northrop, Jonas, Hopedale, assignor to Hopedale Manufacturing Company, Milford, Mass. Self-threading shuttle. 1,466,848; Sept. 4.

Northrop, Jonas, Hopedale, assignor to Hopedale Manufacturing Company, Milford, Mass. Self-threading shuttle. 1,466,849; Sept. 4.

Norton Company. (See Dunbar, Howard W., assignor.)

Norwalk Tire & Rubber Company, The. (See Russell, William F., assignor.)

Norwich Automatic Feeder Company, The. (See Walker, H. H., and Enos, assignors.)

O'Connor, John F., Chicago, Ill., assignor to W. H. Miner, Chazy, N. Y. Friction shock-absorbing mechanism. 1,466,741; Sept. 4.

O'Connor, John F., Chicago, Ill., assignor to W. H. Miner, Chazy, N. Y. Friction shock-absorbing mechanism. 1,466,742; Sept. 4.

O'Connor, John F., Chicago, Ill., assignor to W. H. Miner, Chazy, N. Y. Friction shock-absorbing mechanism. 1,466,743; Sept. 4.

O'Connor, John F., Chicago, Ill., assignor to W. H. Miner, Chazy, N. Y. Friction shock-absorbing mechanism. 1,466,744; Sept. 4.

Oesterr.-Ung. Optische Anstalt C. P. Goerz Gesellschaft M. B. H. (See Wessely, E., and Schier, assignors.)

Ogden, Sidney H., Bridgeton, N. J., assignor of one-half to P. H. Brown, Germantown, Philadelphia, Pa. Cuff. 1,466,745; Sept. 4.

Ohlen, Louis H., Dell Rapids, S. Dak. Radiator-handling device. 1,466,746; Sept. 4.

Ohm, Albert J. D., Astoria, N. Y., assignor to Max Schaffer Co. Lamp shade. Des. 63,003; Sept. 4.

Oleson, Olaf E., Chicago, assignor of one-half to C. F. Sargent, Winnetka, Ill. Method and means for joining pipes. 1,467,064; Sept. 4.

Ollard, James C., Cleveland, Ohio. Door buffer. 1,466,954; Sept. 4.

Oneida Community, Limited. (See Allen, Grosvenor N., assignor.)

Onnertz, Paul, Berlin-Wilmersdorf, assignor to Actien Gesellschaft für Anilin Fabrikation, Berlin, Germany. Dyeing furs, skins, hairs, feathers, or the like. 1,466,747; Sept. 4.

Onnertz, Paul, Berlin-Wilmersdorf, A. Peters, Berlin, and B. Schwärtzel, Berlin-Wilmersdorf, assignors to Actien Gesellschaft für Anilin Fabrikation, Berlin, Germany. Protecting animal fiber. 1,466,748; Sept. 4.

Opferkuch, Emil, assignor to The Superior Gas Engine Company, Springfield, Ohio. Water-circulating system for internal-combustion engines. 1,466,803; Sept. 4.

Optische Anstalt C. P. Goerz Aktiengesellschaft. (See Jacob, Heinrich, assignor.)

Ordway, L. P. (See Disbrow, Reuben B., assignor.)

Ormsby, Frank E., Chicago, Ill. Typewriter. 1,467,191; Sept. 4.

Orr, Fingal C., Burbank, Calif. Liquid-dispensing apparatus. 1,466,804; Sept. 4.

Owen, Newton C., assignor to Owen-Pennsylvania Corporation, Wilkes-Barre, Pa. Railway-tie-changing machine. 1,466,850; Sept. 4.

Owen, Newton C., assignor to Owen-Pennsylvania Corporation, Wilkes-Barre, Pa. Railway-tie-changing machine. 1,466,851; Sept. 4.

Owen-Pennsylvania Corporation. (See Owen, Newton C., assignor.)

P & M Company, The. (See Warr, Harold G., assignor.)

Packard, Almenzer, assignor to C. E. Richholt and C. Richholt, Holgate, Ohio, doing business as Richholt Bros. Base for stucco, plaster, and the like. 1,466,805; Sept. 4.

Page, William J., Coeur d'Alene, Idaho. Cant hook. 1,467,192; Sept. 4.

Paine, Howard S. (See Walton, C. F., jr., and Paine.)

Paine, Howard S., and C. F. Walton, jr., Washington, D. C., dedicated, by mesne assignments, to the People of the United States. Maple product. 1,467,007; Sept. 4.

Pappazoglidis, George K., Chicago, Ill. Sausage-linking machine. 1,466,852; Sept. 4.

Parker, Howard, Berlin, N. H., assignor to Brown Company, Portland, Me. Handling paper or pulp tubes or similar articles. 1,467,008; Sept. 4.

Parker, Thomas R. G., Altrincham, England, assignor to Linotype and Machinery Limited, London, England. Means for tripping the cylinders of rotary printing presses. 1,466,955; Sept. 4.

Parkes, Albert W. (See Draeseke, A. W., and Parkes.)

Parrish, Percy, assignor to himself and South Metropolitan Gas Company, London, England. Manufacture of ammonia sulphate. 1,467,193; Sept. 4.

Payne, Frank E., Glencoe, assignor to Crane Packing Company, Chicago, Ill. Metallic packing. 1,466,806; Sept. 4.

Pearl, Fred J., Kansas City, Mo. Fishing tool. 1,466,916; Sept. 4.

Pease, C. F., Company, The. (See Green, C. A., and Schuh, assignors.)

Pedersen, John D., Jackson, Wyo., and C. C. Loomis, Ilion, N. Y.; said Loomis, assignor, by mesne assignments, to Remington Arms Company, Inc., New York, N. Y. Magazine sear lock for firearms. 1,466,749; Sept. 4.

Peerblow Manufacturing Company. (See Schmitt, Francis P., assignor.)

People of the United States. (See Paine, H. S., and Walton, jr.)

People of the United States. (See Walton, C. F., jr., and Paine.)

Perfect, Eber M., Cleveland, Ohio. Air-feed device. 1,467,249; Sept. 4.

Perfect Shock Absorber Spring Company. (See Grundler, Joseph, assignor.)

Perin, Charles P. (See Enstis, F. A., and Belcher, assignors.)

Peters, Alfred. (See Onnertz, P., Peters, and Schwartzel.)

Peters, George T., Columbus, N. Mex. Method of and apparatus for supplying water to irrigation ditches. 1,466,956; Sept. 4.

Petersen, George E., Bristol, Pa. Antiglare device for lamps. 1,467,194; Sept. 4.

Petersen, Paul W., Bay City, Mich. Method and apparatus for handling comestibles. Re15,683; Sept. 4.

Peterson, Eugene, New York, N. Y. Moving-picture machine. 1,466,750; Sept. 4.

Peterson, George M. (See Brown, R. R., and Peterson.)

Peterson, Jonathan, assignor to Combination Machine Company, New York, N. Y. Dispensing pouch. 1,467,009; Sept. 4.

Petmecky, Fred, Austin, Tex. Radiator-repair composition. 1,467,065; Sept. 4.

Petroleum Rectifying Co. (See Land, Rector E., assignor.)

Pfendner, John, assignor to S. Rusnak, Chicago, Ill. Combined davenport and bed. 1,466,957; Sept. 4.

Phelps, McKinney, Redlands, Calif. Computing attachment for scales. 1,466,807; Sept. 4.

Philadelphia Drying Machinery Company. (See Allsop, T., and Silbson, assignors.)

Pierce, Joseph R. (See Barth, C. J., and Pierce.)

Pietszak, Stanley P., Buffalo, N. Y. Safety-brake-operating means for freight and passenger cars. 1,466,958; Sept. 4.

Pioneer Suspender Company. (See Uhl, Robert E., assignor.)

Pitt, Frederick D., assignor to Irving-Pitt Manufacturing Company, Kansas City, Mo. Loose-leaf binder and the making of same. 1,466,959; Sept. 4.

Pitt, William P., assignor to Irving-Pitt Manufacturing Company, Kansas City, Mo. Hinge mechanism for binder covers and the like. 1,466,960; Sept. 4.

Plumbridge, William. (See Chick, H. R., Helliwell, and Plumbridge.)

Poppenhusen, Herman A., Hammond, Ind., and A. P. Strong, Chicago, Ill., assignors to Green Engineering Company, East Chicago, Ind. Fire arch. 1,466,751; Sept. 4.

Pratt & Whitney Company. (See Thacher, John J., assignor.)

Prellwitz, William, Euston, Pa., assignor to Ingersoll-Rand Company, Jersey City, N. J. Compressor. 1,467,066; Sept. 4.

Pressed Steel Car Company. (See Kurtz, Benjamin F., assignor.)

Price, Joseph M. (See Dolan, Frank J., assignor.)

Priebe, Herman C., Blue Island, Ill. Draft gear. 1,466,727; Sept. 4.

Priebe, Herman C., Blue Island, Ill. Draft gear. 1,466,728; Sept. 4.

Prim, Floyd E. (See Prim, Joseph H., assignor.)

Prim, Joseph H., assignor of one-fourth to F. E. Prim, Saginaw, Mich. Vacuum suporting device. 1,466,961; Sept. 4.

Proctor, Ralph F. and W. R., West Point, Miss. Carburetor. 1,467,067; Sept. 4.

Proctor, William R. (See Proctor, Ralph F. and W. R.)

Pugh, Charles H., Limited. (See Bull, George F., assignor.)

Quackenbush, Albert B., Forest Knolls, Calif. Telescopic wagon box. 1,467,195; Sept. 4.

Quirk, Michael W., Milwaukee, Wis. Shipping box or case. 1,466,853; Sept. 4.

Radin, Harry R., Newark, N. J. Container. 1,467,010; Sept. 4.

Raettig, Bruno, Hoffnungsthal, near Cologne, Germany. Plug switch. 1,467,011; Sept. 4.

Rapkock, Richard A., Chicago, Ill. Safety device for phonographs. 1,466,752; Sept. 4.

Rask, Carl, et al. (See Willson, Oscar, assignor.)

Raubert, Frank T., Ligonier, Ind., assignor to M. Altfeld, South Bend, Ind. Grapefruit knife. 1,466,753; Sept. 4.

Rauhoff, John M., Tinley Park, Ill. Broom. 1,467,115; Sept. 4.

Raybestos Company, The. (See Kirschbraum, Lester, assignor.)

Readle, William H., San Bernardino, Calif. Drag handle for fishing reels. 1,467,250; Sept. 4.

Reekers, Andrew, Portland, Oreg. Trolling spoon. 1,467,116; Sept. 4.

Rees, Thomas M., Kew Gardens, England. Machine for forming spiral flutes. 1,466,754; Sept. 4.

Reid, Reiner R., and F. Neudorff, Atlanta, Ga. Combined refrigerator show case and counter. 1,466,755; Sept. 4.

Remiller Co., The. (See Green, William H., assignor.)

Remington Arms Company. (See Pedersen, J. D., and Loomis, assignors.)

Requa, Richard S., San Diego, Calif. Hollow-tile wall construction. 1,467,117; Sept. 4.

Reynolds, Joy S., assignor of one-half to C. A. Balcom, San Francisco, Calif. Take-up for levers. 1,467,012; Sept. 4.

Reynolds, R. J., Tobacco Company. See Tzibides, James N., assignor.)

Reynolds, Richard S., Louisville, Ky. Receptacle. 1,466,962; Sept. 4.

Rheiner Maschinenfabrik Windhoff Aktien-Gesellschaft. (See Schütte, Hans, assignor.)

Rich, George R., Los Angeles, Calif. Connecting means between motor pistons and connecting rods. 1,466,756; Sept. 4.

Richholt Bros. (See Packard, Almenzer, assignor.)

Rideout, Arthur E. (See Kimball, W. D., and Rideout.)

Ridgway, Herbert N., Winthrop, Mass. Amusement device. 1,466,963; Sept. 4.

Riemer, Louis F., Morton Grove, Ill. Folding ladder. 1,466,757; Sept. 4.

Riley, Ray P., assignor to American Art Works, Coshocton, Ohio. Ticket holder. 1,466,729; Sept. 4.

Rison, Albert J. (See Irving, J., and Rison.)

Rivers, Philip J., New Rochelle, N. Y. Wheel-rim-contracting device. 1,467,068; Sept. 4.

Robb, John F., Cleveland Heights, Ohio, assignor, by mesne assignments, to Kochring Company, Milwaukee, Wis. Automatic control means for mixers. 1,467,118; Sept. 4.

Robert, Albert. (See Anderson, Fred E., assignor.)

Rodriguez, German V., Manzanillo, Cuba. Apparatus for hoisting and transferring sugar cane and other articles. 1,467,013; Sept. 4.

Rogers, Cephas B., Danbury, Conn. Electric-light bracket. Des. 63,004; Sept. 4.

Roos, Delmar G., assignor, by mesne assignments, to The Locomobile Company, Bridgeport, Conn. Engine. 1,467,251; Sept 4.

Roske, Paul C. (See Luttrell, P. S., and Roske.)

Ross, Edwin, assignor to Woodworth Incorporated, New York, N. Y. Vanity box. Des. 63,005; Sept. 4.

Rowan, Robert C. (See Stronach, H. S., and Rowan.)

Rowntree, Harold, Kenilworth, Ill., assignor to National Pneumatic Company, New York, N. Y. Safety-lock mechanism for automobiles. 1,466,758; Sept. 4.

Rubello, Giuseppe, Milan, Italy. Machine for the manufacture of cardboard boxes. 1,466,759; Sept. 4.

Runwood, Inc. (See Atwood, Harry N., assignor.)

Rusnak, Samuel. (See Pfendner, John, assignor.)

Russell, Leslie A., Muskegon, Mich., assignor to F. C. Austin Machinery Company, Chicago, Ill. Combined driving and steering gear. 1,467,196; Sept. 4.

Russell, Thomas C., Chicago, Ill. Electric-conductor-securing means. 1,467,119; Sept. 4.

Russell, William F., assignor to The Norwalk Tire & Rubber Company, Norwalk, Conn. Vulcanizing rubber. 1,467,197; Sept. 4.

Rylander, Walter, Americus, Ga. Lamp. Des. 63,006; Sept. 4.

Rystedt-Engineering Company. (See Rystedt, Ingemar K., assignor.)

Rystedt, Ingemar K., assignor to The Rystedt-Engineering Company, Dayton, Ohio. Game figure. Des. 63,007; Sept. 4.

Sall, George E., Greeley, Colo. Rim tool. 1,466,964; Sept. 4.

Sanford, Floyd N., assignor to Hacker Manufacturing Co., Chicago, Ill. Press. 1,466,730; Sept. 4.

Sanford Mills. (See Creasey, Samuel E., assignor.)

Santolanni, Michel, Chicago, Ill. Toy baby cab. Des. 63,008; Sept. 4.

Sargent, Chester F. (See Oleson, Olaf E., assignor.)

Saulpaw, Karl D., Calhoun, Tenn. Manufacturing tires. 1,466,942; Sept. 4.

Savage, August G., Eldorado, Ark. Blower nozzle. 1,466,965; Sept. 4.

Sawyer, Elmer W. (See Murphy, T. H., Isbell, and Sawyer.)

Schaefer, Frank, et al. (See Marshall, Walker E., assignor.)

Schaffer, Max, Co. (See Ohm, Albert J. D., assignor.)

Schaller, Carl, assignor to Grimme, Natalis & Co., Kommandit-Gesellschaft Auf Aktien, Brunswick, Germany. Calculating machine. 1,467,198; Sept. 4.

Schehr, Jacob E., New York, N. Y. Angle gate valve. 1,467,069; Sept. 4.

Schen, William C. (See Lamb, Harold S., assignor.)

Schick, Harry C., Newark, N. J. Catch for necklaces. Des. 63,009; Sept. 4.

Schier, Johann. (See Wessely, E., and Schier.)

Schmidt, Henry F., Wilkinsburg, Pa., assignor to Westinghouse Electric & Manufacturing Company. Lubrication system. 1,466,731; Sept. 4.

Schmidt, Henry F., Pittsburgh, Pa., assignor to Westinghouse Electric & Manufacturing Co. Fluid-translating device. 1,467,014; Sept. 4.

Schmidt, John, New York, N. Y. Resilient wheel. 1,467,199; Sept. 4.

Schmitt, Francis P., assignor to Peerblow Manufacturing Company, Leetsdale, Pa. Self-blowing torch. 1,467,070; Sept. 4.

Schnitker, Alfred, assignor to G. S. Wilkymacky, Cincinnati, Ohio. Lamp. Des. 63,010; Sept. 4.

Schryer, Paul F., Wauwatosa, Wis. Water-circulating pump for engines. 1,467,120; Sept. 4.

Schuh, Henry F. (See Green, C. A., and Schuh.)

Schütte, Hans, assignor to the Firm of Rheiner Maschinenfabrik Windhoff Aktien-Gesellschaft, Rheine, Germany. Turntable. 1,466,966; Sept. 4.

Schwab, Louis. (See McGuckin, John J., assignor.)

Schwärtzel, Benno. (See Onnertz, P., Petres, and Schwärtzel.)

Schwegler, Clarence C. (See Strosacker, C. J., and Schwegler.)

Schweinert, Maximilian C., West Hoboken, N. J. Life-preserver valve. 1,466,734; Sept. 4.

Scovill Manufacturing Company. (See Warner, Frank E., assignor.)

Scribner, George H. T., and S. H. Susskind, assignors to M. Getz & Co., Inc., San Francisco, Calif. Beverage faucet. 1,466,760; Sept. 4.

Scullin Steel Co. (See Doerr, Harry E., assignor.)

Sears, Willard T., Montclair, N. J., assignor to Niles-Bement-Pond Company, New York, N. Y. Radial drilling machine. 1,466,761; Sept. 4.

Seel, Paul C., assignor to Eastman Kodak Company, Rochester N. Y. Cellulose-ether composition. 1,467,071; Sept. 4.

Shafer, Samuel F., Tacoma, Wash. Furnace. 1,466,762; Sept. 4.

Shapiro, Leon. (See Toelcke, K. L., Mikkola, and Shapiro.)

Sharaf, R. M., Machine Co. (See Sharaf Ralph M., assignor.)

Sharaf, Ralph M., New York, N. Y., assignor to R. M. Sharaf Machine Co., Boston, Mass. Feed mechanism for sewing machines. 1,467,072; Sept. 4.

Share, Arthur A., Philadelphia, Pa. Crumb gatherer. 1,467,252; Sept. 4.

Sharp, Joseph W., Philadelphia, Pa. Gas burner. 1,466,763; Sept. 4.

Sharpe, Albert, Brooklyn, N. Y. Master template for gaskets. 1,467,200; Sept. 4.

Sharples Specialty Company, The. (See Ayers, Eugene E., jr., assignor.)

Sharpsteen, Stephen H., Tenafly, N. J. Motor-driven circuit carriage. 1,467,253; Sept. 4.

Sheldon, Edward P., assignor to R. Hoe and Co., New York, N. Y. Counting mechanism for printing machines. 1,466,672; Sept. 4.

Shriver, Harry T., Llewellyn Park N. J. Hydraulic press. 1,467,201; Sept. 4.

Shuman, Frank, Long Beach, Calif. Guard for toothbrushes. 1,466,967; Sept. 4.

Sibson, Walter W. (See Allsop, T., and Sibson.)

Slatineanu, Eulampiu, Cressy-Onex, near Geneva, Switzerland. Process of and apparatus for separating platinum from platiniferous materials. 1,467,202; Sept. 4.

Smith, Frank E., Scottdale, Pa. Loading machine. 1,466,917; Sept. 4.

Smith, Henry L., Paterson, N. J. Vision shield. 1,467,203; Sept. 4.

Smith, Julian C., and A. W. Totman, Chicago, Ill. Heat-insulated structure. 1,467,121; Sept. 4.

Smith, Karl D., assignor to Union Steam Pump Company, Battle Creek, Mich. Valve. 1,466,918; Sept. 4.
Smith, Leathem D., Sturgeon Bay, Wis. Subcargo-unloading apparatus for ships. 1,466,854; Sept. 4.
Smith Percy R., Washington, D. C. Riveting hammer. 1,466,968; Sept. 4.
Snell, James W. H., Detroit, Mich. Machine for installing and removing tires from rims. 1,467,122; Sept. 4.
Snider, Charles A., Atlanta, Ga. Airship. 1,466,732; Sept. 4.
Snow, Isaac Lawrence, assignor to Hopedale Manufacturing Company, Milford, Mass. Filling-feeler mechanism for looms. 1,466,855; Sept. 4.
Societe Du Feutre. (See Chevallier, Albert, assignor.)
Solmson, Robert R., New Brunswick, N. J. Pipe-stamping machine. 1,467,073; Sept. 4.
Solomon, Julius, Oberlin, and O. C. Billman, Cleveland, Ohio. Shoe-lace fastener. 1,466,673; Sept. 4.
South Metropolitan Gas Company. (See Parrish, Percy, assignor.)
Southern Glass Company. (See Marble, William B., assignor.)
Spencer, James E. (See Spencer, Leo B. and J. E.)
Spencer Leo B. and J. E., Akron, Ohio. Demountable collapsible rim. 1,466,765; Sept. 4.
Spencer, Le Roy D., Winesap, Wash. Sorting or sizing apparatus. 1,466,764; Sept. 4.
Sperry, Elmer A. (See Bassett, Preston R., assignor.)
Splane, Vincent D. P., Paintsville, Ky. Pumping jar. 1,467,204; Sept. 4.
Splitdorf Electrical Company. (See Erickson, Albert, assignor.)
Splitdorf Electrical Company. (See Tomlinson, Edward J., assignor.)
Stroufe, Charles H., et al. (See Marshall, Walker E., assignor.)
St. Pierre, Henry, Worcester, Mass. Antiskid device. 1,467,114; Sept. 4.
Stafford, George W., Rochester, N. Y. Automobile seat. 1,466,969; Sept. 4.
Standard Seeding Equipment Corporation. (See Kimball, W. D., and Rideout, asignors.)
Stanley, Irving, assignor to Angel International Corporation, New York, N. Y. Paper receptacle or container. 1,467,123; Sept. 4.
Stanley, Vincent C., Brookline, Mass., assignor to The Gamewell Fire Alarm Telegraph Company, New York, N. Y. Storage battery. 1,466,674; Sept. 4.
Starbird, Robert H., Pittsburgh, Pa., assignor of one-third to L. B. Gratton, Madera, Pa. Dumping mechanism for dump cars. 1,466,970; Sept. 4.
Strazak, Michael B., assignor to Kellogg Switchboard and Supply Company, Chicago, Ill. Telephone system. 1,466,856; Sept. 4.
Steele, Arthur G., Rawlins, Wyo. Egg beater. 1,467,205; Sept. 4.
Stellner, William F., Danville, Ill. Traffic signal. 1,467,206; Sept. 4.
Sterns, Edward O., assignor to The Sterns Gas Engine Lubricator Company, Columbus, Ohio. System of lubricating gas engines. 1,466,857; Sept. 4.
Sterns Gas Engine Lubricator Company, The. (See Sterns, Edward O., assignor.)
Stevens & Company. (See McGucklin, John J.)
Stewart, Alfred C., Los Angeles, Calif. Refrigeration. 1,466,971; Sept. 4.
Stewart-Warner Speedometer Corporation. (See Whittington, Frederik G., assignor.)
Stewien, Max, Charlottenburg, near Berlin, Germany. Means for photographically reproducing printed matter. 1,466,766; Sept. 4.
Stillwell, Irving C. (See Conley, A. D., and Stillwell.)
Stine, Ruby P., Adams, Ind. Water-bed fence. 1,466,972; Sept. 4.
Stoffel, Henry, Tulsa, Okla. Ball cock. 1,466,767; Sept. 4.
Stolle, Georg P. E., Kiel, Germany. Submersion control for divers' armor. 1,466,675; Sept. 4.
Stone, J. Austin. (See Edwards, Daniel G., assignor.)
Straitman, Edwin A., Bogalusa, La. Jordan-plug filling. 1,467,207; Sept. 4.
Stronach, Harry S., Oak Park, and R. C. Rowan, Wheaton, Ill. Wire nail. 1,466,676; Sept. 4.
Strong, Arthur P. (See Poppenhusen, H. A., and Strong.)
Strong, Lola, Long Beach, Calif. Automatic traffic signal. 1,466,809; Sept. 4.
Strosacker, Charles J., and C. C. Schwegler, assignors to The Dow Chemical Company, Midland, Mich. Purifying acetic anhydride. 1,467,074; Sept. 4.
Struble, Charles B., Minneapolis, Minn. Photographic-printing device. 1,466,768; Sept. 4.
Sturgis Steel Go-Cart Company. (See Lindberg, Charles A., assignor.)
Suckoff, Samuel, assignor to Kellogg Switchboard and Supply Company, Chicago, Ill. Telephone repeater. 1,466,858; Sept. 4.
Sullivan, John F., San Francisco, Calif. Combination gas and coal range. 1,466,769; Sept. 4.
Sulzer, Albert F., and H. E. Van Derhoef, assignors to Eastman Kodak Company, Rochester, N. Y. Apparatus for making sheets or films. 1,466,733; Sept. 4.
Sumner, James W., assignor to E. Winship, San Francisco, Calif. Motor-vehicle steering apparatus. 1,467,208; Sept. 4.
Sumner, James W., Los Angeles, assignor to E. Winship, San Francisco, Calif. Power steering mechanism. 1,467,209; Sept. 4.
Sundback, Gideon, Meadville, Pa., assignor to Hookless Fastener Company. Method and machine for making fasteners. 1,467,015; Sept. 4.
Sunde, Louis A., and R. H. Dalton, Cleveland, Ohio. Door hinge. 1,467,124; Sept. 4.
Sundh, August. Hastings-on-Hudson, N. Y. Can. 1,466,677; Sept. 4.
Superior Gas Engine Company, The. (See Opferkuch, Emil, assignor.)
Susskind, Sylvan H. (See Scribner, G. H. T., and Susskind.)
Sutton, Ernest D., Rochester, N. Y. Adjusting mechanism for clothesracks and similar devices. 1,466,859; Sept. 4.
Swanson, Benny M., Los Angeles, Calif. Combination angle table. 1,466,810; Sept. 4.
Swiss Anode Corporation. (See Bart, Blasius, assignor.)
Syracuse Washing Machine Corporation. (See Derschug, John N., assignor.)
Takanashi, Mitsuo, Tokyo, Japan. Manufacture of lenses. 1,466,973; Sept. 4.
Tallman, Albert R., Nashville, Tenn. Gas cock. 1,466,770; Sept. 4.
Tarbet, Albert, San Diego, Calif. Self-locking milk-can cover. 1,467,254; Sept. 4.
Taylor, Abraham, Manchester, England. Washing plunger, dolly, and the like. 1,466,678; Sept. 4.
Taylor, Cecil H., Detroit, Mich. Engine piston. 1,466,679; Sept. 4.
Taylor Instrument Companies. (See Hodgkinson, Edwin, assignor.)
Tesoro, Rutilio, Houston, Tex. Crank for internal-combustion motors. 1,467,016; Sept. 4.
Thacher, John J., Wethersfield, Conn., assignor to Pratt & Whitney Company, New York, N. Y. Profiling machine. 1,466,811; Sept. 4.
Thatcher, Martin F. (See Wikel, H. S., and Thatcher.)
Thomas, Frederick, Philadelphia, Pa. Arm for creasing and like machines. 1,466,860; Sept. 4.
Thompson, Osceola C., White Plains, N. Y., assignor to Wirebounds Patents Company. Machine for use in making boxes. 1,467,278; Sept. 4.
Thomson, John, Brooklyn, N. Y. Engine piston. 1,467,255; Sept. 4.
Thomson, John, Brooklyn, N. Y. Engine piston. 1,467,256; Sept. 4.
Thomson, John, Brooklyn, N. Y. Engine piston. 1,467,257; Sept. 4.
Thrift, Merton B., Piedmont, Calif. Furring strip. 1,467,125; Sept. 4.
Timm, John C., Youngstown, Ohio. Dies for cutting metal reenforcement. 1,466,680; Sept. 4.
Todd, Charles H., New Richmond, Wis. Violin-sound-post setter. 1,466,681; Sept. 4.
Todd, Samuel H., Detroit, Mich. Compressor. 1,466,974; Sept. 4.
Toeleke, Karl L., A. Mikkola, and L. Shapiro, Chicago, Ill. Clasp for bracelets. 1,466,975; Sept. 4.
Tomes, J. N., Smoke Consumer and Fuel Economizer Co. (See Tomes, Joseph N., assignor.)
Tomes, Joseph N., assignor to J. N. Tomes Smoke Consumer and Fuel Economizer Co., Inc., Buffalo, N. Y. Steam-boiler furnace. 1,466,771; Sept. 4.
Tomlinson, Edward J., East Orange, assignor to Splitdorf Electrical Company, Newark, N. J. Phonograph. 1,467,210; Sept. 4.
Totman, Arnold W. (See Smith, J. C., and Totman.)
Totschnig, Hieronymus, Lienz, Austria. Surveying instrument. 1,467,075; Sept. 4.
Tracy, Clyde W., Visalia, Calif. Puller for sleeve bearings. 1,466,976; Sept. 4.
Trafolite Manufacturing Company, The. (See Elliott, Basil W., assignor.)
Trautner, George H. (See Trautner, William L. and G. H.)
Trautner, William L., and G. H., St. Paul, Minn. Oil retainer. 1,466,772; Sept. 4.
Tramayne, John S., Long Beach, Calif. Chain jack. 1,466,977; Sept. 4.
Trew, George B., Shreveport, La. Silt trap. 1,466,773; Sept. 4.
Trice, Gilbert C., Fayetteville, N. C. Roof. 1,467,017; Sept. 4.
Turner, Carl D., Indianapolis, Ind. Vaporizing device for gasoline engines. 1,467,126; Sept. 4.
Tuttle, Merritt I., Fromberg, Mont., and L. L. Hill, Yellowstone Park, Wyo. Water-power motor. 1,466,861; Sept. 4.
Tzibides, James N., Brooklyn, N. Y., assignor to R. J. Reynolds Tobacco Company. Machine for handling cigarette packages or the like. 1,467,019; Sept. 4.
Tzibides, James N., Brooklyn, N. Y., assignor to R. J. Reynolds Tobacco Company. Machine for handling packages. 1,467,020; Sept. 4.
Tzibides, James N., Brooklyn, N. Y., assignor to R. J. Reynolds Tobacco Company. Machine for sealing cigarette packages or the like. 1,467,018; Sept. 4.
Tzibides, James N., New York, N. Y., assignor to R. J. Reynolds Tobacco Company, Winston-Salem, N. C. Label-applying device. 1,467,021; Sept. 4.
Uhl, Robert E., Greenfield, Ohio, assignor to Pioneer Suspender Company. Supporter. 1,466,682; Sept. 4.

Ullrich, Arthur, Frankfort-on-the-Main, Germany. Manufacture of diphenylene diketones as anthraquinone or its derivatives. 1,466,683; Sept. 4.
Ullrich, Arthur, Frankfort-on-the-Main, Germany. Manufacture of diphenylene diketones as anthraquinone or its derivatives. 1,467,258; Sept. 4.
Underwood Typewriter Company. (See Allard, J. Frank, assignor.)
Union Special Machine Company. (See Gerber, John G., assignor.)
Union Steam Pump Company. (See Smith, Karl D., assignor.)
Union Switch & Signal Company, The. (See Lewis, Lloyd V., assignor.)
United Shoe Machinery Corporation. (See Brice, A. W., and Hamann, assignors.)
United Shoe Machinery Corporation. (See Knott, Clyde L., assignor.)
United States Radium Corporation. (See Bilstein, Louis C., assignor.)
Upton Machine Company. (See Kell, Gustav B., assignor.)
Usui, Kiichiro, Shizuoka-Ken, Japan. Mechanical stoker. 1,466,978; Sept. 4.
Van Amstel, Adriaan F., Amersfoort, Netherlands. Internal-combustion engine. 1,467,288; Sept. 4.
Vanatter, Phares O., Athens, Ga. Rinse tub. 1,466,862; Sept. 4.
Van Derhoef, Henry E. (See Sulzer, A. F., and Van Derhoef.)
Van Dorn, William E., Chicago, Ill. Friction draft gear. 1,466,684; Sept. 4.
Vaney, Louis D., Finchley, London, England. Means for securing locks. 1,467,076; Sept. 4.
Van Pelt, Elmer L., assignor to G. Fruth, Denver, Colo., and H. E. McElwain, Holyoke, Mass. Film mending and assembling machine. 1,467,077; Sept. 4.
Vogel, P. F., et al. (See Wentz, John, assignor.)
Von Herrlich, Mathilde. (See Wassilieff, Alexander, assignor.)
Vorbroker, Edmund, Cincinnati, Ohio. Casing for an electric way and stop signal device for automobiles and other vehicles. Des. 63,011; Sept. 4.
Vortex Mfg. Co., The. (See Barbieri, Cesare, assignor.)
Wadsworth, Howard L., Cleveland, Ohio. Sand-cutting machine. 1,466,863; Sept. 4.
Wagner, Charles, Grantwood, N. J., and A. Hormel, New York, N. Y. Drying apparatus for plates of metal and other material. 1,467,211; Sept. 4.
Walker, Harry H., and F. Enos, jr., assignors to The Norwich Automatic Feeder Company, New London, Conn. Poultry feeder. 1,466,864; Sept. 4.
Waller, Robert H. (See Ball, P. V., and Waller.)
Walper, Curry O., assignor of one-third to F. A. Maslen and one-third to B. E. Clark, Detroit, Mich. Building structure. 1,467,127; Sept. 4.
Walsh, James A., Toledo, Ohio. Comb cleaner. 1,467,128; Sept. 4.
Walsh, Michael J., Langhorne, Pa. Rake. 1,467,212; Sept. 4.
Walton, Charles F., jr., and H. S. Paine, Washington, D. C., dedicated, by mesne assignments, to the people of the United States. Food sirup and preparing same. 1,467,022; Sept. 4.
Walton, Charles F., jr. (See Paine, H. S., and Walton.)
Warner, Frank E., assignor to Scovill Manufacturing Company, Waterbury, Conn. Button for soft collars and other articles. 1,467,279; Sept. 4.
Warner, Frank E., assignor to Scovill Manufacturing Company, Waterbury, Conn. Flexible button for soft collars and other articles. 1,467,280; Sept. 4.
Warner, William W., Nowata, Okla. Working barrel. 1,466,685; Sept. 4.
Warr, Harold G., Park Ridge, assignor to The P & M Company, Chicago, Ill. Guard-rail brace. 1,467,129; Sept. 4.
Wassilieff, Alexander, assignor to M. Von Herrlich, New York, N. Y. Camera. 1,466,774; Sept. 4.
Waterbury Brass Goods Corporation, The. (See Babcock, Wilbert L., assignor.)
Watson, Guy E. (See Bohannon, Charles R., assignor.)
Webb, Robert L., Baltimore, Md. Paper and letter receiver. 1,467,078; Sept. 4.
Webster Electric Company. (See Hawkins, William W., assignor.)
Wechsler-Barber Silk Company. (See Wechsler, Daniel A., assignor.)
Weschler, Daniel A., assignor to Weschler-Barber Silk Company, Inc., New York, N. Y. Statuette. Des. 63,012; Sept. 4.
Wells, Burling D. (See Blair, R. S., and Wells.)
Wentz, John, assignor of one-half to M. J. Gans and one-fourth to P. F. Vogel, Perham, Minn. Demountable wheel rim. 1,466,812; Sept. 4.
Werner, John A., Altoona, Pa. Hanger for porch swings. 1,466,813; Sept. 4.
Wessely, Emil, and J. Schier; said Schier assignor of his entire interest to the Firm Oesterr.-Ung. Optische Anstalt C. P. Goerz Gesellschaft m. b. H., Vienna, Austria. Optical binocular instrument. 1,467,213; Sept. 4.
Western Electric Company. (See Heck, Carl W., assignor.)
Western Electric Company. (See Lum, George R., assignor.)
Western Electric Company Incorporated. (See Kern, Philip E., assignor.)
Westinghouse Electric & Manufacturing Co. (See Schmidt, Henry F., assignor.)
Wharton, William H., Toronto, Ontario, Canada. Reversing valve for open-hearth and other types of regenerative furnaces. 1,466,775; Sept. 4.
White, Bruce C., New York, N. Y., assignor to Federal Electric Company, Chicago, Ill. Gearing for washing machines. 1,467,214; Sept. 4.
White, Fred G., assignor to L. R. Long, Kansas City, Mo. Signboard. 1,466,776; Sept. 4.
White Sewing Machine Company. (See Colegrove, Charles E., assignor.)
Whitehead, Richard H., assignor to New Haven Clock Co., New Haven, Conn. Clock case. Des. 63,013; Sept. 4.
Whitehead, Richard H., assignor to New Haven Clock Co., New Haven, Conn. Clock case. Des. 63,014; Sept. 4.
Whitney, Leslie D., San Francisco, Calif. Hydraulic press. 1,467,130; Sept. 4.
Whitson, Ora P., Newark, Ill. Lug shield. 1,467,215; Sept. 4.
Whittington, Frederik G., Evanston, assignor to Stewart-Warner Speedometer Corporation, Chicago, Ill. Steering-wheel drive for speedometers. 1,466,865; Sept. 4.
Whittington, Frederik G., Evanston, assignor to Stewart-Warner Speedometer Corporation, Chicago, Ill. Power-transmitting connection and adapter. 1,466,979; Sept. 4.
Wiebe, Sigurd J. A., assignor to American Toyland Creators, Inc., Newark, N. J. Figure toy roundabout. 1,467,216; Sept. 4.
Wikel, Henry S., and M. F. Thatcher, York, Pa. Machine for reducing stock-feed materials. 1,467,131; Sept. 4.
Wilkymacky, George S. (See Schnitker, Alfred, assignor.)
Williams, J. B., Company, The. (See Williams, Philip K., assignor.)
Williams, John M., Henryetta, Okla. Electrolytic cell. 1,467,217; Sept. 4.
Williams, Philip K., assignor to The J. B. Williams Company, Glastonbury, Conn. Toilet-powder receptacle. Des. 63,015; Sept. 4.
Williams, Roy O., Columbus, Ohio. Cable connector. 1,466,735; Sept. 4.
Willson, Oscar, assignor of one-third to E. E. Ericson and one-third to C. Rask, Springfield, Mass. Grinding machine. 1,467,023; Sept. 4.
Wilmot Engineering Company. (See Wilmot, George W., assignor.)
Wilmot, George W., assignor to Wilmot Engineering Company, Hazleton, Pa. Coal jig. 1,466,866; Sept. 4.
Wilmoth, John V., Elsternwick, Victoria, Australia. Air-inlet valve. 1,467,218; Sept. 4.
Wilson, Cyril L. (See Foord, Richard B., assignor.)
Wilson, John M., San Diego, Calif. Dental appliance. 1,467,079; Sept. 4.
Wilson, Thomas K., Kerry, Oreg. Pulley block and bearing. 1,466,980; Sept. 4.
Winans, Earl W., assignor to Federal Motor Truck Company, Detroit, Mich. Dumping wagon. 1,466,919; Sept. 4.
Winder, Samuel E., Chicago, Ill. Glass-molding machine. 1,466,867; Sept. 4.
Winkelmann, Louis, Hoboken, N. J. Radioactive vacuum tube. 1,466,777; Sept. 4.
Winship, Emory. (See Sumner, James W., assignor.)
Wirebounds Patents Company. (See Thompson, Osceola C., assignor.)
Witherell, Earl M., Duluth, Minn. Device for shaping and pressing fabrics. 1,466,868; Sept. 4.
Wolff, Ernest O., Gillette, N. J. Vaporizer and primer. 1,467,259; Sept. 4.
Wolter, Herman H., assignor to Edward Miller & Company, Meriden, Conn. Lamp. Des. 63,016; Sept. 4.
Wolter, Herman H., assignor to Edward Miller & Company, Meriden, Conn. Lamp. Des. 63,017; Sept. 4.
Wolter, Herman H., assignor to Edward Miller & Company, Meriden, Conn. Lamp. Des. 63,018; Sept. 4.
Woodman, William E. (See Crompton, R., and Woodman.)
Woods, Benjamin F., Houston, Tex. Barrel plug. 1,466,981; Sept. 4.
Woods, Herbert A., St. Louis, Mo. Locking means for differential gears. 1,466,778; Sept. 4.
Woodworth Incorporated. (See Ross, Edwin, assignor.)
Worthington Pump and Machinery Corporation. (See Dow, Alex, assignor.)
Youngstown Sheet and Tube Company, The. (See James, Edward, assignor.)
Zimmerer, William, administrator. (See Cain, J. E., and Falkenbach.)
Zimmermann, Otto, Ludwigshafen-on-the-Rhine, Germany. Drying apparatus. 1,467,219; Sept. 4.
Zwilling, Wilhelm, Osnabruck, Germany. Stay bolt. 1,466,686; Sept. 4.

ALPHABETICAL LIST OF INVENTIONS

FOR WHICH

PATENTS WERE ISSUED ON THE 4TH DAY OF SEPTEMBER, 1923.

NOTE.—Arranged in accordance with the first significant character or word of the name (in accordance with city and telephone directory practice). **Includes patents, reissues, and designs.**

Absorption, reaction, and like column. L. Gay. 1,466,936; Sept. 4.
Accumulator, Hydraulic. J. Graham. 1,466,898; Sept. 4.
Acetic anhydride, Purifying. C. J. Strosacker and C. C. Schwegler. 1,467,074; Sept. 4.
Aircraft machine guns, Fire-control means for. D. G. Edwards. 1,466,951; Sept. 4.
Air-feed device. E. M. Perfect. 1,467,249; Sept. 4.
Air impeller or propeller. G. M. Capell. 1,467,227; Sept. 4.
Air propeller. M. Hollander. 1,466,901; Sept. 4.
Airship. C. A. Snider. 1,466,732; Sept. 4.
Ammonia sulphate, Manufacture of. P. Parrish. 1,467,193; Sept. 4.
Amusement device. H. N. Ridgway. 1,466,963; Sept. 4.
Angle table, Combination. B. M. Swanson. 1,466,810; Sept. 4.
Anode. A. P. Manning. 1,467,060; Sept. 4.
Antiknock substance with a motor-fuel mixture, Method and means for incorporating an. F. E. Aseltine. 1,467,222; Sept. 4.
Anti-parasitic selecting system. L. Levy. 1,466,841; Sept. 4.
Antiskid chains, Cross chain for. C. A. Mousseau. 1,467,188; Sept. 4.
Antiskid device. H. St. Pierre. 1,467,114; Sept. 4.
Antiskid device for vehicle wheels. R. Denault. 1,466,995; Sept. 4.
Auger, Earth. P. Gampher. 1,466,897; Sept. 4.
Auto radiator-thermometer mounting. E. T. Curran. 1,467,138; Sept. 4.
Automobile attachment. W. E. Marshall. 1,466,667; Sept. 4.
Automobile fan device. L. R. Crumb. 1,467,233; Sept. 4.
Automobile seat. G. W. Stafford. 1,466,969; Sept. 4.
Automobile signal. F. Garcia. 1,466,935; Sept. 4.
Automobile signal light. B. W. Elliott. 1,466,874; Sept. 4.
Automobile tops, Bow protector for. T. H. Murphy, L. S. Isbell and E. W. Sawyer. 1,466,808; Sept. 4.
Automobiles and other vehicles, Casing for an electric way and stop signal device for. E. Vorbroker. Des. 63,011; Sept. 4.
Automobiles, Permutation lock for. R. T. Benefield. 1,466,871; Sept. 4.
Automobiles, Safety-lock mechanism for. H. Rowntree. 1,466,758; Sept. 4.
Bag: *See*—
Shipping bag.
Bag holder. D. W. John. 1,467,165; Sept. 4.
Band, Elastic. G. Dekoff. 1,467,235; Sept. 4.
Barrel, Working. W. W. Warner. 1,466,685; Sept. 4.
Basket covers, Fastener for. W. E. Morgan. 1,466,801; Sept. 4.
Bathtub appurtenance. H. Edelman. 1,466,895; Sept. 4.
Battery: *See*—
Dry-cell primary battery. Storage battery.
Bearing, Antifriction. C. A. Nelson. 1,467,063; Sept. 4.
Bearing cage, Roller-. R. F. Bower. 1,466,689; Sept. 4.
Bearing, Journal. L. Cipra. 1,466,930; Sept. 4.
Bearings of internal-combustion motors, Apparatus for burning in. W. B. Nienkirk. 1,466,740; Sept. 4.
Bearings, Puller for sleeve. C. W. Tracy. 1,466,976; Sept. 4.
Bed and means for carrying same, Automobile camp. J. F. Blatauf and L. V. Hose. 1,466,984; Sept. 4.
Bedsteads, Device for tilting the mattress-supporting frame of. F. W. Glass. 1,466,711; Sept. 4.
Beet topper. A. P. Mortensen. 1,466,889; Sept. 4.
Beverage faucet. G. H. T. Scribner and S. H. Susskind. 1,466,760; Sept. 4.
Billet casting, Method and means for. C. S. Morse. 1,466,738; Sept. 4.
Binder and the making of same, Loose-leaf. F. D. Pitt. 1,466,959; Sept. 4.
Binder covers, Hinge mechanism for. W. P. Pitt. 1,466,960; Sept. 4.
Bit and making the same. J. H. L. De Bats. 1,467,266; Sept. 4.
Bituminous mixture. D. A. Casey. 1,466,928; Sept. 4.
Block: *See*—
Building block.
Boiler furnace, Steam-. J. N. Tomes. 1,466,771; Sept. 4.
Bolt: *See*—
Railway bolt. Stay bolt.

Boring mill. A. W. Draeseke and A. W. Parkes. 1,466,818; Sept. 4.
Bottle. W. Kropff. Des. 62,995–6; Sept. 4.
Bottle. W. B. Marble. Des. 62,999; Sept. 4.
Bottle-capping machine. C. J. Kryzanowsky. 1,466,662; Sept. 4.
Box: *See*—
Collapsible box. Switch box.
Ice box. Vanity box.
Journal box. Wagon box.
Boxes, Machine for the manufacture of cardboard. G. Rubello. 1,466,759; Sept. 4.
Boxes, Machine for use in making. O. C. Thompson. 1,467,278; Sept. 4.
Brace: *See*—
Rail brace. Wagon-body brace.
Bracelet clasp. K. L. Toelcke, A. Mikkola, and L. Shapiro. 1,466,975; Sept. 4.
Bracket: *See*—
Window-shade bracket.
Brake-adjusting mechanism. B. F. Kurtz. 1,467,046; Sept. 4.
Bridge warning, Railway. B. J. Hastings. 1,467,156; Sept. 4.
Bronze or other pulverulent colors, Apparatus for bestrewing or coating articles of manufacture with. C. Eckert. 1,466,821; Sept. 4.
Broom. J. M. Rauhoff. 1,467,115; Sept. 4.
Brushes, Fountain attachment for. G. P. Helfrich. 1,467,036; Sept. 4.
Building block. W. Briddes. 1,466,985; Sept. 4.
Building block. S. Kanamori. 1,466,836; Sept. 4.
Building structure. C. O. Walper. 1,467,127; Sept. 4.
Burner: *See*—
Fuel burner. Hydrocarbon burner.
Gas burner.
Button, Collar. C. H. Lonsdale. 1,467,050; Sept. 4.
Cable connector. R. O. Williams. 1,466,735; Sept. 4.
Calculating machine. C. Schaller. 1,467,198; Sept. 4.
Camera. A. Wassilieff. 1,466,774; Sept. 4.
Can. A. Sundh. 1,466,677; Sept. 4.
Cane, and other articles, Apparatus for hoisting and transferring sugar. G. V. Rodriguez. 1,467,013; Sept. 4.
Cant hook. W. J. Page. 1,467,192; Sept. 4.
Cap-spinning frame. J. H. Jones. 1,467,286–7; Sept. 4.
Capping apparatus. W. V. Derby. 1,466,702; Sept. 4.
Car door. S. H. Lovett. 1,467,248; Sept. 4.
Car door. C. C. Murphy. 1,467,061; Sept. 4.
Car, Passenger. D. W. Harvey. 1,466,939; Sept. 4.
Cars, Dumping mechanism for dump. R. H. Starbird. 1,466,970; Sept. 4.
Cars, Safety brake-operating means for freight and passenger. S. P. Pietszak. 1,466,958; Sept. 4.
Carburetor. G. Christian. 1,466,789; Sept. 4.
Carburetor. E. P. du Pont. 1,466,704; Sept. 4.
Carburetor. R. F. and W. R. Proctor. 1,467,067; Sept. 4.
Carriage spring, Lamellar. R. Burger-Weber. 1,466,950; Sept. 4.
Carrier: *See*—
Umbrella carrier.
Carton-sealing machine. W. D. Kimball and A. E. Rideout. 1,467,045; Sept. 4.
Case: *See*—
Gauge case.
Cellulose-ether composition. S. J. Carroll. 1,467,092–105; Sept. 4.
Cellulose-ether composition. P. C. Seel. 1,467,071; Sept. 4.
Cellulose-ether solvent and composition. S. J. Carroll. 1,467,091; Sept. 4.
Cellulose, Making alkali. E. S. Farrow, jr. 1,467,107; Sept. 4.
Cellulose, Regenerating. A. D. Conley and E. C. Stillwell. 1,467,265; Sept. 4.
Centering and cementing device. J. P. Burgher. 1,466,986; Sept. 4.
Centrifugal mold. W. A. Gordon. 1,466,826; Sept. 4.
Chain jack. J. S. Tremayne. 1,466,977; Sept. 4.
Chair: *See*—
Operator's chair.
Chest, Mothproof. W. C. Deiss. 1,467,268; Sept. 4.
Cigar lighter and flashlight, Combined. A. E. Anakin. 1,466,779; Sept. 4.
Cigarette packages or the like, Machine for sealing. J. N. Tzibides. 1,467,018–9; Sept. 4.

Circuit carriage, Motor-driven. S. H. Sharpsteen. 1,467,253; Sept. 4.
Clamp. A. R. McCann. 1,467,182; Sept. 4.
Clasp: *See*—
Bracelet clasp.
Cleaner: *See*—
Comb cleaner.
Clock, Alarm. P. S. Luttrell and P. C. Roske. 1,466,843; Sept. 4.
Clock case. R. H. Whitehead. Des. 63,013–14; Sept. 4.
Cloth holder, Bath and scrubbing. C. Blomstrom. 1,467,086; Sept. 4.
Clothes drier. E. Butler. 1,467,226; Sept. 4.
Clothes wringer. J. N. Dersching. 1,467,267; Sept. 4.
Clothes wringer. G. N. Meves. 1,466,914; Sept. 4.
Clothesracks and similar devices, Adjusting mechanism for. E. D. Sutton. 1,466,859; Sept. 4.
Clutch mechanism. J. Hren and C. Eisenlohr. 1,466,832; Sept. 4.
Cock, Ball. H. Stoffel. 1,466,767; Sept. 4.
Cock, Shut-off. G. C. Hanley. 1,466,828; Sept. 4.
Cocks, Lock bolt for gas-service. F. W. Jauch. 1,467,000; Sept. 4.
Collar-band holder. C. H. Boyuls. 1,466,692; Sept. 4.
Collars and other articles, Button for soft. F. E. Warner. 1,467,279; Sept. 4.
Collars and other articles, Flexible button for soft. F. E. Warner. 1,467,280; Sept. 4.
Collapsible box. C. S. Brown. 1,467,089; Sept. 4.
Comb cleaner. J. A. Walsh. 1,467,128; Sept. 4.
Combing machine. J. W. Nasmith. 1,466,846; Sept. 4.
Comestibles, Method and apparatus for handling. P. W. Petersen. Re15,683; Sept. 4.
Compressor. W. Prellwitz. 1,467,066; Sept. 4.
Compressor. S. H. Todd. 1,466,974; Sept. 4.
Concrete construction, Form for. C. W. Hayward. 1,466,830; Sept. 4.
Concrete wall, Hollow. G. J. Engert. 1,467,242; Sept. 4.
Condenser-circulating system. A. Dow. 1,466,703; Sept. 4.
Conduit-protection means. D. F. Holman. 1,466,718; Sept. 4.
Container. H. R. Radin. 1,467,010; Sept. 4.
Cooking apparatus. A. M. Demuth. 1,467,141; Sept. 4.
Corn popper. R. C. Hunter. 1,466,721; Sept. 4.
Coupling: *See*—
Flexible coupling.
Cow-tail holder. H. E. G. Anderson. 1,467,221; Sept. 4.
Cranes, Rail clamp for overhead. B. C. Jacob. 1,466,657; Sept. 4.
Crank-shaft-turning device. A. E. Johnson. 1,466,881; Sept. 4.
Creasing and like machines, Arm for. F. Thomas. 1,466,860; Sept. 4.
Crucible, Graphite. K. Nakamura. 1,466,739; Sept. 4.
Crumb gatherer. A. A. Share. 1,467,252; Sept. 4.
Crusher. O. J. Moussette. 1,467,189; Sept. 4.
Cuff. S. H. Ogden. 1,466,745; Sept. 4.
Current relaying and production. D. G. McCan. 1,466,912; Sept. 4.
Cutter: *See*—
Paper cutter.
Cutting tool. Pneumatically-operated. P. Barker. 1,467,262; Sept. 4.
Davenport and bed, Combined. J. Pfendner. 1,466,957; Sept. 4.
Dental appliance. J. M. Wilson. 1,467,079; Sept. 4.
Dental film mount. M. B. Hodgson. 1,467,108; Sept. 4.
Dental measurement-wire container. D. Lenzi and G. O. Deschamps. 1,466,910; Sept. 4.
Dentifrice and floss container. T. A. Bailey. 1,466,982; Sept. 4.
Dies for cutting metal reenforcement. J. C. Timm. 1,466,680; Sept. 4.
Diphenylene diketones as anthraquinone or its derivatives, Manufacture of. A. Ullrich. 1,466,683; Sept. 4.
Diphenylene diketones as anthraquinone or its derivatives, Manufacture of. A. Ullrich. 1,467,258; Sept. 4.
Dipper, Sampling. A. A. Anderson. 1,466,920; Sept. 4.
Dispensing device. A. J. Frame. 1,466,896; Sept. 4.
Display device. A. de Meurisse. 1,467,140; Sept. 4.
Display device for use in advertising. H. J. Hayden, jr. 1,466,736; Sept. 4.
Display rack, Rug-. F. Michelbach. Des. 63,001; Sept. 4.
Distributor. A. C. Menges. 1,467,054; Sept. 4.
Divers' armor, Submersion control for. G. P. E. Stolle. 1,466,675; Sept. 4.
Door buffer. J. C. Ollard. 1,466,954; Sept. 4.
Door guard, Safety. A. J. Moglich. 1,467,057; Sept. 4.
Door lock, Elevator-. R. J. Harper, sr. 1,466,900; Sept. 4.
Doors, Safety mechanism for elevator. A. J. Jarnig. 1,467,247; Sept. 4.
Draft tube. V. Kaplan. 1,467,168; Sept. 4.
Drawing instrument. C. A. Green and H. E. Schuh. 1,466,712; Sept. 4.
Drier: *See*—
Clothes drier.
Drier. A. G. Bluhn. 1,467,038; Sept. 4.
Drilling machine, Radial. W. T. Sears. 1,466,761; Sept. 4.
Dry-cell primary battery. W. S. Doe. 1,467,240; Sept. 4.
Drying apparatus. O. Zimmermann. 1,467,219; Sept. 4.
Drying machine. T. Allsop and W. W. Sibson. 1,467,260; Sept. 4.
Dumping bodies, Controlling means for. J. H. Hutchinson. 1,467,164; Sept. 4.
Dye, Indigold vat. W. Bauer. 1,466,687; Sept. 4.
Dyeing furs, skins, hairs, feathers, or the like. P. Ounertz. 1,466,747; Sept. 4.
Egg beater. A. G. Steele. 1,467,205; Sept. 4.
Electric-circuit support. E. R. and C. R. Biggs. 1,466,925; Sept. 4.
Electric-conductor-securing means. T. C. Russell. 1,467,119; Sept. 4.
Electric currents by and in accordance with light variations, Method of and means for controlling. L. de Forest. 1,466,701; Sept. 4.
Electric furnace. E. F. Kiefer. 1,467,044; Sept. 4.
Electric iron. J. Lewisky and A. Hedtrich. 1,467,181; Sept. 4.
Electric lock. G. M. Livesay. 1,467,048; Sept. 4.
Electrical dehydrator. R. E. Land. 1,467,003; Sept. 4.
Electrical energy, Method of and apparatus for limiting the transmission of. L. Espenschied. 1,466,707; Sept. 4.
Electrical resistance element of electric soldering irons and similar heating apparatus. P. E. Landberg. 1,467,178; Sept. 4.
Electrodes, Coating battery. H. D. Lapkin. 1,467,047; Sept. 4.
Electrolysis of metals, Apparatus for the. A. Crémer. 1,466,994; Sept. 4.
Electrolytic cell. J. M. Williams. 1,467,217; Sept. 4.
Electroplating anode. B. Bart. 1,467,083; Sept. 4.
Elevator: *See*—
Grain elevator.
Embossing machine or press. C. A. Harnden. 1,466,714; Sept. 4.
Engine: *See*—
Internal-combustion engine.
Engine. D. G. Roos. 1,467,251; Sept. 4.
Engine piston. J. Thompson. 1,467,255–7; Sept. 4.
Engine starter. V. Bendix. 1,466,945; Sept. 4.
Engine starter. O. Brisbois. 1,466,926; Sept. 4.
Engine-starting device. W. R. and K. I. Goodman. 1,467,033; Sept. 4.
Engines, Fuel heater for internal-combustion. A. B. and H. A. Broluska. 1,467,225; Sept. 4.
Engines, Ignition device for internal-combustion. A. Erickson. 1,467,269–70; Sept. 4.
Engines, System of lubricating gas. E. O. Sterns. 1,466,857; Sept. 4.
Engines, Vaporizing device for gasoline. C. D. Turner. 1,467,126; Sept. 4.
Engines, Water-circulating pump for. P. F. Schryer. 1,467,120; Sept. 4.
Engines, Water-circulating system for internal-combustion. E. Opferkuch. 1,466,803; Sept. 4.
Envelope, Self-opening and delivering. R. W. Brown. 1,467,291; Sept. 4.
Eye protector. C. O. Cozzens. 1,467,230; Sept. 4.
Fabric-ring stretching and applying device. H. A. Dennure. 1,467,143; Sept. 4.
Fabrics and producing the same, Ornamental pile. S. E. Creasey. 1,467,136; Sept. 4.
Fabrics, Device for shaping and pressing. E. M. Witherell. 1,466,868; Sept. 4.
Fasteners, Method and machine for making. G. Sundback. 1,467,015; Sept. 4.
Faucets, Relief-valve attachment for. M. J. Landers. 1,467,004; Sept. 4.
Feed materials, Machine for reducing stock-. H. S. Wikel and M. F. Thatcher. 1,467,131; Sept. 4.
Feeder, Adjustable. C. S. Jennings. 1,466,835; Sept. 4.
Feeder, Poultry. H. H. Walker and F. Enos, jr. 1,466,864; Sept. 4.
Feeler mechanism, Filling-. R. Crompton and W. E. Woodman. 1,467,232; Sept. 4.
Fence, Water-bed. R. P. Stine. 1,466,972; Sept. 4.
Fencepost. P. J. Hindmarsh and J. W. Meaker. 1,466,880; Sept. 4.
Fender guard. M. Forer. 1,467,283; Sept. 4.
Fiber, Protecting animal. P. Onnertz. 1,466,748; Sept. 4.
Filing drawers, Follower for. J. S. Duncan. 1,466,792; Sept. 4.
Film mending and assembling machine. E. L. Van Pelt. 1,467,077; Sept. 4.
Fire arch. H. A. Poppenhusen and A. P. Strong. 1,466,751; Sept. 4.
Firearms, Magazine sear lock for. J. D. Pedersen and C. C. Loomis. 1,466,749; Sept. 4.
Firearms, Peep sight for. J. C. Matthews. 1,466,913; Sept. 4.
Fireproof garment. E. A. Meeks. 1,466,726; Sept. 4.
Fishing reels, Drag handle for. W. H. Readle. 1,467,250; Sept. 4.
Fishing tool. F. J. Pearl. 1,466,916; Sept. 4.
Flexible coupling. J. B. Meriam. 1,467,185; Sept. 4.
Float. A. H. Morl. 1,466,671; Sept. 4.
Fluid-translating device. H. F. Schmidt. 1,467,014; Sept. 4.
Flutes, Machine for forming spiral. T. M. Rees. 1,466,754; Sept. 4.
Folding machine. A. W. Brice and W. Hamann. 1,466,697; Sept. 4.

Frame: *See*—
Cap-spinning frame. Truck side frame.
Freezing machine of the absorption type. L. Mach. 1,467,053; Sept. 4.
Friction facings and making same. L. Kirschbraun. 1,466,907; Sept. 4.
Fuel burner, Vaporizing. C. A. French. 1,466,709; Sept. 4.
Fuel mixer. R. M. Gibson. 1,466,795; Sept. 4.
Fur and hair, Carrotting. A. Chevalier. 1,466,698; Sept. 4.
Furnace: *See*—
Boiler furnace. Electric furnace.
Furance. I. Harter. 1,466,879; Sept. 4.
Furnace. S. F. Shafer. 1,466,762; Sept. 4.
Furniture, Article of. S. Ettner. 1,467,147; Sept. 4.
Furring strip. M. B. Thrift. 1,467,125; Sept. 4.
Fuse plug, Renewable. D. C. Hubbard. 1,467,162; Sept. 4.
Game figure. I. K. Rystedt. Des. 63,007; Sept. 4.
Garment former and drier, Bifurcated-. C. H. Boyuls. 1,466,695; Sept. 4.
Garment support. F. O. Cates. 1,466,873; Sept. 4.
Gas burner. J. W. Sharp. 1,466,763; Sept. 4.
Gas cock. A. R. Tallman. 1,466,770; Sept. 4.
Gas generator. H. Hernu. 1,466,831; Sept. 4.
Gas-washer tower. W. Matheslus. 1,467,184; Sept. 4.
Gases, Electrical apparatus for producing and collecting. J. M. Allen. 1,467,080; Sept. 4.
Gaskets, Master template for. A. Sharpe. 1,467,200; Sept. 4.
Gauge: *See*—
Screw-thread gauge.
Gauge case. E. B. Crocker. 1,466,790; Sept. 4.
Gear. Combined driving and steering. L. A. Russell. 1,467,196; Sept. 4.
Gear, Draft. H. C. Priebe. 1,466,727–8; Sept. 4.
Gear, Friction draft. W. E. Van Dorn. 1,466,684; Sept. 4.
Gear, Transmission. W. G. Beatty. 1,466,782; Sept. 4.
Gears, Locking means for differential. H. A. Woods. 1,466,778; Sept. 4.
Gearing, Power-transmitting. G. B. Keil. 1,467,169; Sept. 4.
Gearing, Speed-changing. R. A. Fontaine. 1,466,933; Sept. 4.
Generator: *See*—
Gas generator.
Girdle. S. C. Mandalian. Des. 62,998; Sept. 4.
Glare stop. F. W. La Moreaux. 1,467,002; Sept. 4.
Glass-molding machine. S. E. Winder. 1,466,867; Sept. 4.
Glass, Reenforced. V. C. Edwards. 1,467,030; Sept. 4.
Glycerin, Making. K. P. McElroy. 1,466,665; Sept. 4.
Grain and the like, Transport device for. O. E. Johnson. 1,467,041; Sept. 4.
Grain elevator. W. McMeans. 1,466,724; Sept. 4.
Graphophones, Automatic starting and stopping device for. F. F. Akerly. 1,466,655; Sept. 4.
Graphophone cabinet. D. Di Carlo. Des. 62,983; Sept. 4.
Grease and oil dispenser, High-pressure. J. B. Hayden, J. Morris, and H. C. George. 1,467,157; Sept. 4.
Grinding machine. H. S. Bergen. 1,466,872; Sept. 4.
Grinding machine. O. Willson. 1,467,023; Sept. 4.
Grinding machine, Electrically-driven. H. W. Dunbar. 1,466,893; Sept. 4.
Guard, Safety. J. C. Merwin. 1,467,186; Sept. 4.
Gun barrel. W. Heine. 1,467,159; Sept. 4.
Gun cylinders, Device for preventing relative rotation of. R. C. Morgan. 1,466,800; Sept. 4.
Hammer, Riveting. P. R. Smith. 1,466,968; Sept. 4.
Hand bag. J. Cyganlewicz. Des. 62,981; Sept. 4.
Harvesting machines, Snapping mechanism for corn-. W. S. Baird. 1,466,870; Sept. 4.
Hayrack-sill adjuster. E. Enger. 1,466,822; Sept. 4.
Headlight-lens holder and antirattler. C. O. Baughn. 1,466,944; Sept. 4.
Headlight, Locomotive. W. H. De Witt. 1,467,144; Sept. 4.
Heater: *See*—
Manifold heater.
Heating apparatus. C. W. Brewer. 1,467,088; Sept. 4.
Heating system. W. A. Collver. 1,467,229; Sept. 4.
Hinge. F. W. Muhlenbruch. 1,467,191; Sept. 4.
Hinge, Door. L. A. Sunde and R. H. Dalton 1,467,124; Sept. 4.
Hinge, Gate. J. W. Durham. 1,467,029; Sept. 4.
Hinge, Windshield. A. C. Auster. 1,466,781; Sept. 4.
Hinges, Making. P. Frantz. 1,467,244; Sept. 4.
Hoisting cage. V. T. Barkley. 1,467,223; Sept. 4.
Homogenizer. H. S. Lamb. 1,466,797; Sept. 4.
Hook: *See*—
Cant hook.
Hose supporter. C. J. Hazelton. 1,467,158; Sept. 4.
Household implement. E. J. Kennedy. 1,466,838; Sept. 4.
Hydraulic classifier. N. O. Harmon. 1,467,285; Sept. 4
Hydraulic press. H. T. Shriver. 1,467,201; Sept. 4.
Hydraulic press. L. D. Whitney. 1,467,130; Sept. 4.
Hydrocarbon burner. W. A. Harris. 1,466,938; Sept. 4.
Hydrogen, Indicating the presence and percentage of. P. R. Bassett. 1,467,084; Sept. 4.
Ice box. L. Houze. 1,466,941; Sept. 4.
Ignition apparatus. W. A. Chryst. 1,466,929; Sept 4.
Ignition apparatus. A. Howard. 1,466,720; Sept. 4.
Ignition-controlling apparatus. A. Howard. 1,466,719; Sept. 4.
Ignition machine, Magneto-electric. A. G. L. Neighbour. 1,467,062; Sept. 4.
Ignition system. W. W. Hawkins. 1,466,829; Sept. 4.
Ignition system. W. W. Hawkins. 1,466,940; Sept. 4.
Implement holder. F. R. Kreeger. 1,466,737; Sept. 4.
Indicator: *See*—
Temperature indicator. Test indicator.
Insecticide and making same. E. O. Barstow and P. Cottringer. 1,466,983; Sept. 4.
Insulated structures, Heat-. J. C. Smith and A. W. Tolman. 1,467,121; Sept. 4.
Intake manifold and fuel preheater, Combined F. E. Anderson. 1,466,921; Sept. 4.
Internal-combustion engine. C. R. Bohannon. 1,466,783; Sept. 4.
Internal-combustion engine. A. F. van Amstel. 1,467,288; Sept. 4.
Iron: *See*—
Electric iron.
Iron and steel, Protection of. P. E. Kern. 1,467,174; Sept. 4.
Iron and zinc from sulphide ores, Separating and recovering. F. A. Eustis and D. Belcher. 1,466,793; Sept. 4.
Ironing garments. C. H. Boyuls. 1,466,691; Sept. 4.
Ironing machine. C. H. Boyuls. 1,466,693; Sept. 4.
Ironing machine. Collar-. C. H. Boyuls. 1,466,694; Sept. 4.
Ironing machine, Shirt-. C. H. Boyuls. 1,466,690; Sept. 4.
Irrigation ditches, Method of and apparatus for supplying water to. G. T. Peters. 1,466,956; Sept. 4.
Jack: *See*—
Chain jack. Lifting jack.
Jar: *See*—
Pumping jar.
Jig, Coal. G. W. Wilmot. 1,466,866; Sept. 4.
Journal box. F. S. Barks. 1,467,292; Sept. 4.
Kilns and the like, Discharge apparatus for lime. P. Dumont. 1,466,996; Sept. 4.
Knife, Grapefruit. F. T. Ranbert. 1,466,753; Sept. 4.
Knitted rib fabric. H. T. Ballard. Des. 62,976; Sept. 4.
Knitting machines, Loop-forming mechanism for. E. Desachy. 1,467,239; Sept. 4.
Label-applying device. J. N. Tzibides. 1,467,021; Sept. 4.
Lace fastener, Shoe-. J. Solomon and O. C. Billman. 1,466,673; Sept. 4.
Ladder, Folding. L. F. Riemer. 1,466,757; Sept. 4.
Lamp. W. Rylander. Des. 63,006; Sept. 4.
Lamp. A. Schnitker. Des. 63,010; Sept. 4.
Lamp. H. H. Wolter. Des 63,016–8; Sept. 4.
Lamp shade. A. J. D. Ohm. Des. 63,003; Sept. 4.
Lamps, Antiglare device for. G. E. Petersen. 1,467,194; Sept. 4.
Land pulverizer and mulcher. G. P. Mix. 1,467,056; Sept. 4.
Lathes, Stop device for. L. Kramer and A. Boome. 1,467,175; Sept. 4.
Lathes, Tool mounting for. L. Kramer and A. Boome. 1,467,176; Sept. 4.
Lens-grinding apparatus. H. W. Hill. 1,467,160; Sept. 4.
Lenses, Manufacture of. M. Takanashi. 1,466,973; Sept. 4.
Lever adjustment. A. Klee, jr. 1,466,839; Sept. 4.
Levers, Take-up for. J. S. Reynolds. 1,467,012; Sept. 4.
Lifter: *See*—
Wagon-box lifter.
Lifting jack. F. A. Fraser. 1,466,794; Sept. 4.
Light: *See*—
Automobile signal light.
Light bracket, Electric. C. B. Rogers. Des. 63,004; Sept. 4.
Light copies, Apparatus for preparing and multiplying. E. G. Brack. 1,466,696; Sept. 4.
Light-operated controller. E. H. Medén. 1,466,885; Sept. 4.
Lighting fixtures, Body part for. T. E. Dahl. Des. 62,982; Sept. 4.
Line fastener. H. C. Lafferty. 1,467,276; Sept. 4.
Liquid-dispensing apparatus. F. C. Orr. 1,466,804; Sept. 4.
Loading machine. F. E. Smith. 1,466,917; Sept. 4.
Lock: *See*—
Door lock. Electric lock.
Locks, Means for securing. L. D. Vaney. 1,467,076; Sept. 4.
Locomotives, Variable exhaust nozzle for. V. Z. Caracristi. 1,466,788; Sept. 4.
Loom, Feeler. J. Northrop. 1,466,847; Sept. 4.
Looms, Filling-feeler mechanism for. I. Snow. 1,466,855; Sept. 4.
Loud-speaking receiver. C. W. Heck. Des. 62,986; Sept. 4.
Lubrication system. H. F. Schmidt. 1,466,731; Sept. 4.
Lug shield. O. P. Whitson. 1,467,215; Sept. 4.
Lumber sorter. J. M. Leaver and J. M. Leaver, jr. 1,466,909; Sept. 4.
Luminescent tube. F. J. Metzger. 1,467,187; Sept. 4.
Luminous compounds, Application of. L. C. Bilstein. 1,467,132; Sept. 4.

Machine tools, Means for indicating and measuring the travel of moving parts of. J. R. C. Kearns. 1,467,043; Sept. 4.
Magnet manipulator. H. S. Evans and G. L. Fisk. 1,466,823; Sept. 4.
Mailing device. E. N. Farkas. 1,467,148; Sept. 4.
Manifold heater. A. N. Armstrong. 1,467,281; Sept. 4.
Maple product. H. S. Paine and C. F. Walton, jr. 1,467,007; Sept. 4.
Material mixer. E. J. Delehanty. 1,467,237; Sept. 4.
Mausoleum. W. McMeans. 1,466,725; Sept. 4.
Measuring apparatus, Liquid-. C. H. Morse. 1,467,058; Sept. 4.
Merry-go-round. E. M. Maxwell. 1,466,845; Sept. 4.
Metal, Working. E. G. Loomis. 1,466,953; Sept. 4.
Microphone parts, Anchoring. E. L. Kellogg. 1,467,001; Sept. 4.
Milk-can cover, Self-locking. A. Tarbet. 1,467,254; Sept. 4.
Mill: *See*—
Boring mill.
Mine, Submarine. E. F. Nichols. 1,466,915; Sept. 4.
Mineral or ores, Furnace for the treatment of. L. T. Lenegre. 1,467,179; Sept. 4.
Mixer: *See*—
Fuel mixer. Material mixer.
Mixers, Automatic control means for. J. F. Robb. 1,467,118; Sept. 4.
Moistener, Finger. C. Jerabek and E. H. Bainbridge. 1,467,040; Sept. 4.
Mold: *See*—
Centrifugal mold.
Molds, Making. T. D. Lucier. 1,467,112; Sept. 4.
Mop, Polishing. H. R. Chick, F. O. Helliwell, and W. Plumbridge. 1,466,989; Sept. 4.
Motor: *See*—
Water-power motor.
Motor controller. A. J. Horton. 1,466,902; Sept. 4.
Motor-starting devices, Disruptable pin for. F. E. Anderson. 1,466,780; Sept. 4.
Motors, Crank for internal-combustion. R. Tesoro. 1,467,016; Sept. 4.
Mower, Lawn. G. F. Bull. 1,466,787; Sept. 4.
Multiplying machine. R. Joksch. 1,467,042; Sept. 4.
Music or the selecting and combining of colors, Indicator applicable to the teaching of. M. S. Florence. 1,467,032; Sept. 4.
Nail, Wire. H. S. Stronach and R. C. Rowan. 1,466,676; Sept. 4.
Necklace catch. H. C. Schick. Des. 63,009; Sept. 4.
Necktie holder. A. D. Elliott. 1,466,706; Sept. 4.
Nest, Trap. A. O. and P. M. Forster. 1,467,149; Sept. 4.
Nonskid-chain fastener. L. W. Kennedy. 1,466,905; Sept. 4.
Nozzle, Blower. A. G. Savage. 1,466,965; Sept. 4.
Oil retainer. W. L. and G. H. Trautner. 1,466,772; Sept. 4.
Oils, Producing stable emulsions of edible. E. E. Ayres, jr. 1,467,081; Sept. 4.
Operator's chair. C. L. Knott. 1,466,661; Sept. 4.
Optical binocular instrument. E. Wessely and J. Schier. 1,467,213; Sept. 4.
Ores, Chloridizing of. J. H. Hirt. 1,467,037; Sept. 4.
Ornamented ware, Manufacture of. J. B. Lessell. 1,467,111; Sept. 4.
Oven, Coke. E. Lecocq. 1,466,663; Sept. 4.
Oyster dredge. D. R. Lossing. 1,467,277; Sept. 4.
Packages, Machine for handling. J. N. Tzibides. 1,467,020; Sept. 4.
Packaging apparatus. G. J. Huntley. 1,466,722; Sept. 4.
Packing jar or the like. P. Kucera. 1,466,840; Sept. 4.
Packing, Metallic. F. E. Payne. 1,466,806; Sept. 4.
Pails, Machine for hooping. S. Cooper. 1,466,700; Sept. 4.
Paper and letter receiver. R. L. Webb. 1,467,078; Sept. 4.
Paper boxes, Machine for making. F. J. Dolan. 1,467,026; Sept. 4.
Paper boxes, Making. F. J. Dolan. 1,467,027; Sept. 4.
Paper-cup dispensers, Ejector mechanism for. C. Barbieri. 1,466,923; Sept. 4.
Paper cutter. L. H. Murray. 1,467,006; Sept. 4.
Paper-drinking-cup stand. E. C. Baldwin. 1,467,082; Sept. 4.
Paper-feed mechanism. L. R. Barber. 1,466,922; Sept. 4.
Paper receptacle or container. I. Stanley. 1,467,123; Sept. 4.
Paper or pulp tubes or similar article, Apparatus for handling. H. Parker. 1,467,008; Sept. 4.
Parachute. E. R. Calthrop. 1,466,988; Sept. 4.
Peat and other granular material hydraulically, Preparing and transporting. A. McDougall. 1,466,884; Sept. 4.
Peeling machine. H. M. Miller. 1,466,799; Sept. 4.
Peeling vegetables or fruits, Apparatus for and method of. H. M. Miller. 1,466,798; Sept. 4.
Pencil. G. B. Bergen. 1,467,282; Sept. 4.
Perfume container. C. L. Marcus. Des. 63,000; Sept. 4.
Phenol, Making. P. Cottringer. 1,466,991; Sept. 4.
Phonograph. E. J. Tomlinson. 1,467,210; Sept. 4.
Phonograph and advertising cabinet, Combined. W. C. Hunt. Des. 62,993; Sept. 4.
Phonograph, Automatic multiple-record. W. H. Daily. 1,466,791; Sept. 4.
Phonographs, Safety device for. R. A. Rapkock. 1,466,752; Sept. 4.
Photographic-film-treating apparatus. C. de Moos. 1,467,106; Sept. 4.
Photographic-printing device. C. B. Struble. 1,466,768; Sept. 4.
Piano, Banjo. J. A. Boehringer. 1,467,087; Sept. 4.
Pick-handle protector. J. S. Curzon. 1,466,931; Sept. 4.
Picture machine, Moving-. E. Peterson. 1,466,750; Sept. 4.
Picture stand or support. A. J. Gans. 1,466,934; Sept. 4.
Pin-inserting tool. D. A. Craun. 1,466,992; Sept. 4.
Pipe balls, Forming. L. W. Jones. 1,467,166; Sept. 4.
Pipe-stamping machine. R. R. Solmson. 1,467,073; Sept. 4.
Pipes, Method and means for joining. O. E. Oleson. 1,467,064; Sept. 4.
Piston. A. Brynteson. 1,466,786; Sept. 4.
Piston, Engine. C. H. Taylor. 1,466,679; Sept. 4.
Piston-ring remover. J. B. Kabanuck. 1,466,659; Sept. 4.
Pistons and connecting rods, Connecting means between motor. G. R. Rich. 1,466,756; Sept. 4.
Pistons, Packing for. T. A. Meyers. 1,467,113; Sept. 4.
Plastic masses, Manufacturer of. H. Dreyfus. 1,466,819; Sept. 4.
Plates of metal and other material, Drying apparatus for. C. Wagner and A. Hormel. 1,467,211; Sept. 4.
Platinum from platiniferous materials, Process of and apparatus for separating. E. Slatineanu. 1,467,202; Sept. 4.
Plug, Atomatic ignition. P. V. Ball and R. H. Waller. 1,466,943; Sept. 4.
Plug, Barrel. B. F. Woods. 1,466,981; Sept. 4.
Plug filling, Jordan-. E. A. Strattman. 1,467,207; Sept. 4.
Plug receptacles, Cover plate for. W. L. Babcock. 1,467,261; Sept. 4.
Plug switch. B. Raettig. 1,467,011; Sept. 4.
Pocket ornament. R. C. Creech, jr. 1,466,993; Sept. 4.
Pouch, Dispensing. J. Peterson. 1,467,009; Sept. 4.
Powder box, Face-. W. H. Green. Des. 62,987; Sept. 4.
Powder receptacle. C. L. Cruver. 1,467,234; Sept. 4.
Powder receptacle, Toilet-. P. K. Williams. Des. 63,015; Sept. 4.
Power head, Rotary. J. G. Dorward. 1,467,145; Sept. 4.
Power transmission, Selective. E. J. Kearby. 1,467,274; Sept. 4.
Power-transmitting connections and adapter. F. G. Whittington. 1,466,979; Sept. 4.
Precious, or semiprecious, or synthetic stone, or an imitation thereof, or an article of similar nature. M. J. Heller. Des. 62,991–2; Sept. 4.
Press: *See*—
Hydraulic press.
Press. F. N. Sanford. 1,466,730; Sept. 4.
Press having spring-pressed blank holder. W. Klocke. 1,466,908; Sept. 4.
Pressure regulator. J. W. Gheen. 1,466,875; Sept. 4.
Printed matter, Means for photographically reproducing. M. Stewien. 1,466,766; Sept. 4.
Printing machines, Counting mechanism for. E. P. Sheldon. 1,466,672; Sept. 4.
Printing machines, Sheet-delivery mechanism of. A. V. Bugler and T. E. Delafons. 1,466,949; Sept. 4.
Printing presses, Means for tripping the cylinders of rotary. T. R. G. Parker. 1,466,955; Sept. 4.
Profiling machine. J. J. Thacher. 1,466,811; Sept. 4.
Projectile and fuse for same, Drop. H. Jacob. 1,466,834; Sept. 4.
Protracting apparatus combined with two computing theodolites, Automatic. R. Hugershoff. 1,467,163; Sept. 4.
Puller: *See*—
Stump puller.
Pulley. H. N. Atwood. 1,466,869; Sept. 4.
Pulley block and bearing. T. K. Wilson. 1,466,980; Sept. 4.
Pulling device. E. W. Brautigam. 1,466,784; Sept. 4.
Pump, Rotary. H. O. Jackson. 1,466,904; Sept. 4.
Pumping jar. V. D. Splane. 1,467,204; Sept. 4.
Radiator-handling device. L. H. Ohlen. 1,466,746; Sept. 4.
Radiator-repair composition. F. Petmecky. 1,467,065; Sept. 4.
Radio-directive control, System of. J. H. Hammond, jr. 1,467,154; Sept. 4.
Rail brace, Guard-. H. G. Warr. 1,467,129; Sept. 4.
Rail fitting, Adjustable. S. J. Gulesian. 1,467,153; Sept. 4.
Rail support and fastening. L. Green. 1,466,997–8; Sept. 4.
Railway bolt. J. Hartley. 1,467,155; Sept. 4.
Railway-tie-changing machine. N. C. Owen. 1,466,850–1; Sept. 4.
Railway-traffic-controlling system. L. V. Lewis. 1,466,911; Sept. 4.
Rake. M. J. Walsh. 1,467,212; Sept. 4.
Range, Combination gas and coal. J. F. Sullivan. 1,466,769; Sept. 4.
Ratchet wrench. C. R. Bryant. 1,466,948; Sept. 4.
Reach rods, Making. A. B. Breeze. 1,467,264; Sept. 4.
Receptacle. R. S. Reynolds. 1,466,962; Sept. 4.
Recording apparatus. E. Hodgkinson. 1,466,717; Sept. 4.
Refrigeration. A. C. Stewart. 1,466,971; Sept. 4.

Refrigerator and cabinet, Combined. N. H. Franks. Des. 62,984; Sept. 4.
Refrigerator, Automobile. C. J. Kerr. 1,466,906; Sept. 4.
Refrigerator show case and counter, Combined. R. R. Reid and F. Nendorff. 1,466,755; Sept. 4.
Refrigerator trap. H. J. Gwyer. 1,466,827; Sept. 4.
Regulator: *See*—
Pressure regulator.
Resilient wheel. J. Schmidt. 1,467,199; Sept. 4.
Rim, Demountable, collapsible. L. B. and J. E. Spencer. 1,466,765; Sept. 4.
Rim tool. G. E. Sall. 1,466,964; Sept. 4.
Rims, Implement for expanding demountable. A. Conti and A. Bornoni. 1,467,135; Sept. 4.
Ring. C. W. Bailey. Des. 62,975; Sept. 4.
Ring. C. J. Barth and J. R. Pierce. Des. 62,977–80; Sept. 4.
Rinse tub. P. O. Vanatter. 1,466,862; Sept. 4.
Road-making machine. W. J. Fitzgerald. 1,467,243; Sept. 4.
Roof. G. C. Trice. 1,467,017; Sept. 4.
Rubber, Vulcanizing. W. F. Russell. 1,467,197; Sept. 4.
Rugs, carpets, and other like articles, Machine for displaying. J. W. Gheen. 1,466,876; Sept. 4.
Safety device. J. C. Farmer. 1,466,932; Sept. 4.
Sand-cutting machine. H. L. Wadsworth. 1,466,863; Sept. 4.
Sashes, Combined parting and weather strip for sliding. R. E. Hulse. 1,466,833; Sept. 4.
Sausage-linking machine. G. K. Pappazoglidis. 1,466,852; Sept. 4.
Saw, Gin or linter. R. H. Butters. 1,466,927; Sept. 4.
Saw, Portable. B. E. Frere. 1,467,150; Sept. 4.
Scales, Computing attachment for. M. Phelps. 1,466,807; Sept. 4.
Screening machine. J. C. Dunton. 1,466,894; Sept. 4.
Screw-thread gauge. R. L. Ellery. 1,467,146; Sept. 4.
Seal. J. L. Dinsmoor. 1,466,815–16; Sept. 4.
Seat: *See*—
Automobile seat.
Sewing machine, Electrically-driven drophead. C. E. Colegrove. 1,467,134; Sept. 4.
Sewing machines, Feed mechanism for. R. M. Sharaf. 1,467,072; Sept. 4.
Sewing machines, Tape guide for. J. G. Gerber. 1,466,937; Sept. 4.
Sewing machines, Thread-measuring mechanism for. E. E. Foster. 1,467,284; Sept. 4.
Sharpener, Skate. W. J. Brunell. 1,466,785; Sept. 4.
Sheet-registering device. H. K. King. 1,466,660; Sept. 4.
Sheets or films, apparatus for making. A. F. Sulzer and H. E. Van Derhoef. 1,466,733; Sept. 4.
Shield. M. Martinson. 1,466,669; Sept. 4.
Shield, Vision. H. L. Smith. 1,467,203; Sept. 4.
Ship construction. E. P. du Pont. 1,466,705; Sept. 4.
Ships, Subcargo-unloading apparatus for. L. D. Smith. 1,466,854; Sept. 4.
Shipping bag. R. S. Jones. 1,466,658; Sept. 4.
Shipping box or case. M. W. Quirk. 1,466,853; Sept. 4.
Shock absorber. R. R. Brown and G. M. Peterson. 1,467,090; Sept. 4.
Shock-absorbing mechanism, Friction. J. F. O'Connor. 1,466,741–4; Sept. 4.
Shock-absorbing spring. J. Grundler. 1,467,035; Sept. 4.
Shoe-stitching machines, Attachment for. T. F. McReynolds. 1,467,052; Sept. 4.
Shuttle, Self-threading. J. Northrop. 1,466,848–9; Sept. 4.
Sign, Illuminated. A. W. Kaucher. Des. 62,994; Sept. 4.
Signboard. F. G. White. 1,466,776; Sept. 4.
Signal: *See*—
Automatic traffic signal. Traffic signal.
Automobile signal.
Silt trap. G. B. Trew. 1,466,773; Sept. 4.
Sirup and preparing same, Food. C. F. Walton, jr., and H. S. Paine. 1,467,022; Sept. 4.
Skate, Roller. T. Fedun. 1,466,824; Sept. 4.
Skillet, Broiling. C. B. Hazlehurst. 1,467,272; Sept. 4.
Snap fastening. B. Cooper. 1,466,990; Sept. 4.
Snap switch. C. R. Dumble. 1,466,820; Sept. 4.
Soda fountains, Refrigerating apparatus and method for. G. Hilger. 1,467,246; Sept. 4.
Solutions and evaporating fluids, Concentrating. E. Monti. 1,466,670; Sept. 4.
Sorting or sizing apparatus. L. D. Spencer. 1,466,764; Sept. 4.
Sound-producing device. L. J. Grubman. 1,466,877–8; Sept. 4.
Spark plug. E. T. Curran. 1,467,137; Sept. 4.
Speedometer, Magnetic. C. Fischer. 1,467,031; Sept. 4.
Speedometers, Steering-wheel drive for. F. G. Whittington. 1,466,865; Sept. 4.
Spoon or similar article. G. N. Allen. Des. 62,973–4; Sept. 4.
Spring: *See*—
Shock-absorbing spring. Vehicle spring.
Stamp and making the same. J. Irving and A. J. Rison. 1,467,110; Sept. 4.
Stand: *See*—
Paper-drinking-cup stand.
Statuette. D. A. Wechsler. Des. 63,012; Sept. 4.
Stay bolt. W. Zwilling. 1,466,686; Sept. 4.
Steering apparatus, Motor-vehicle. J. W. Sumner. 1,467,208; Sept. 4.
Steering mechanism, Power. J. W. Sumner. 1,467,209; Sept. 4.
Stepladder, Walking. C. Anlauf. 1,467,245; Sept. 4.
Stethoscope, Engineer's. R. B. Foord. 1,466,825; Sept. 4.
Stoker, Mechanical. K. Usui. 1,466,978; Sept. 4.
Storage battery. V. C. Stanley. 1,466,674; Sept. 4.
Stucco, plaster, and the like, Base for. A. Packard. 1,466,805; Sept. 4.
Stump puller. V. L. Holt. 1,467,161; Sept. 4.
Superheating furnace especially for rotary-cast pipe. D. S. de Lavaud. 1,467,236; Sept. 4.
Support, Adjustable. C. A. Lindberg. 1,466,952; Sept. 4.
Suporter. R. E. Uhl. 1,466,682; Sept. 4.
Surgical tool. F. N. Cox. 1,467,231; Sept. 4.
Surveying instrument. H. Totschnig. 1,467,075; Sept. 4.
Swings, Hanger for porch. J. A. Werner. 1,466,813; Sept. 4.
Switch: *See*—
Plug switch. Temperature-controlled switch.
Snap switch.
Switch box, Service. H. F. Holkenbrink. 1,467,109; Sept. 4.
Switch machine. W. K. Howe. 1,466,903; Sept. 4.
Syringe. M. A. Elstein. 1,467,242; Sept. 4.
Tables, Motor-control system for self-serving. E. Deloatch. 1,466,890; Sept. 4.
Tan, Automatically-collapsible. J. E. Cain and F. A. Falkenbach. 1,466,987; Sept. 4.
Telephone card-directory holder. H. Harase. 1,467,290; Sept. 4.
Telephone receiver, Loud-speaking. G. R. Lum. Des. 62,997; Sept. 4.
Telephone repeater. S. Suekoff. 1,466,858; Sept. 4.
Telephone system. M. B. Stazak. 1,466,858; Sept. 4.
Temperature-controlled switch. R. S. Blair and B. D. Wells. 1,467,085; Sept. 4.
Temperature indicator. O. W. Moore. 1,466,886–7; Sept. 4.
Test indicator. H. A. Lowe. 1,466,664; Sept. 4.
Ticket holder. J. L. Bergvall. 1,466,924; Sept. 4.
Ticket holder. R. P. Riley. 1,466,729; Sept. 4.
Timing device. P. S. Luttrell and P. C. Roske. 1,466,842; Sept. 4.
Tin sponge article of manufacture and producing and utilizing the same. E. Kardos. 1,466,837; Sept. 4.
Tire. E. O. Fritch. Des. 62,985; Sept. 4.
Tire. D. S. Kennedy. 1,467,172; Sept. 4.
Tire-chain tightener. A. Chichy. 1,467,228; Sept. 4.
Tire core, Collapsible. H. A. Denmire. 1,467,142; Sept. 4.
Tire fabrics, Fabricating. G. M. Eames. 1,467,289; Sept. 4.
Tire, Nonskid tread for a pneumatic. A. L. Murray. Des. 63,002; Sept. 4.
Tire, Pneumatic. R. B. Disbrow. 1,466,891; Sept. 4.
Tires, Automatic alarm for partially-deflated. A. J. Michelin. 1,467,055; Sept. 4.
Tires from rims, Machine for installing and removing. J. W. H. Snell. 1,467,122; Sept. 4.
Tires, Manufacturing. K. D. Saulpaw. 1,466,942; Sept. 4.
Toaster, Electric. C. E. Barr and T. E. Jackson. 1,466,656; Sept. 4.
Toboggan slide. I. E. Matheson. 1,467,293; Sept. 4.
Tool and holder therefor. B. M. W. Hanson. 1,466,899; Sept. 4.
Tooth paste. E. Bergve. 1,467,024; Sept. 4.
Toothbrush. R. Izawa. 1,466,723; Sept. 4.
Toothbrush guard. F. Shuman. 1,466,967; Sept. 4.
Torch, Self-blowing. F. P. Schmitt. 1,467,070; Sept. 4.
Tournaments, Scoreboard for shooting. C. M. Coffman. 1,466,699; Sept. 4.
Toy baby cab. M. Santolanni. Des. 63,008; Sept. 4.
Toy roundabout, Figure. S. J. A. Wiebe. 1,467,216; Sept. 4.
Toy vehicle. D. W. Gutekunst. 1,467,271; Sept. 4.
Tractor appliance. G. H. Nobbs. 1,466,802; Sept. 4.
Tractors, Foot accelerator for. G. J. Boock. 1,466,688; Sept. 4.
Traffic signal. J. E. Kennedy. 1,467,173; Sept. 4.
Traffic signal. W. F. Stellner. 1,467,206; Sept. 4.
Traffic signal, Automatic. L. Strong. 1,466,809; Sept. 4.
Transmission system. L. Espenschied. 1,466,708; Sept. 4.
Trap: *See*—
Refrigerator trap. Silt trap.
Tray, Ash. W. Hanley. Des. 62,988–90; Sept. 4.
Trolling spoon. A. Reekers. 1,467,116; Sept. 4.
Truck side frame. H. E. Doerr. 1,466,892; Sept. 4.
Truss, Steel. F. G. Borg. 1,467,224; Sept. 4.
Tube: *See*—
Draft tube. Luminescent tube.
Tube expander. J. T. Dempsey. 1,467,238; Sept. 4.
Tube, Radioactive vacuum. L. Winkelmann. 1,466,777; Sept. 4.
Tubing, Manufacture of flexible metal. E. James. 1,466,999; Sept. 4.
Turntable. H. Schütte. 1,466,966; Sept. 4.
Typewriter. F. E. Ormsby. 1,467,191; Sept. 4.
Typewriting machine. J. F. Allard. 1,467,220; Sept. 4.
Umbrella carrier. W. A. Hart. 1,466,715; Sept. 4.

Vacuum supporting device. J. H. Prim. 1,466,961; Sept. 4.
Valve. W. E. Marshall. 1,466,666; Sept. 4.
Valve. K. D. Smith. 1,466,918; Sept. 4.
Valve, Air-inlet. J. V. Wilmoth. 1,467,218; Sept. 4.
Valve, Angle gate. J. E. Schehr. 1,467,069; Sept. 4.
Valve control. F. D. Moses. 1,467,059; Sept. 4.
Valve-control appliance, Emergency fuel-. H. J. Long. 1,467,049; Sept. 4.
Valve control for leacher buckets, Float-. H. D. Kelly. 1,467,170; Sept. 4.
Valve, Flush. H. Brunkt. 1,466,946; Sept. 4.
Valve for carburetors, Electrically-controlled air. J. E. Fuchs. 1,466,710; Sept. 4.
Valve for coffee urns, Float. H. D. Kelly. 1,467,171; Sept. 4.
Valve for open-hearth and other types of regenerative furnaces, Reversing. W. H. Wharton. 1,466,775; Sept. 4.
Valve, Life-preserver. M. C. Schweinert. 1,466,734; Sept. 4.
Valve, Locking. W. E. Marshall. 1,466,668; Sept. 4.
Valve, Quick-acting shut-off. A. La Belle. 1,467,177; Sept. 4.
Valve, Sluice or gate. C. W. Hume. 1,467,039; Sept. 4.
Valve-spring compressor and placer. M. W. Ribbe. 1,466,796; Sept. 4.
Valve-stem lengthener. J. J. McGuckin. 1,466,844; Sept. 4.
Vanity box. L. J. Freundt. 1,467,151; Sept. 4.
Vanity box. E. Ross. Des. 63,005; Sept. 4.
Vaporizer and primer. E. O. Wolff. 1,467,259; Sept. 4.
Vehicle buffer device. G. A. Lyon. 1,466,882; Sept. 4.
Vehicle spring. H. Dixon. 1,466,817; Sept. 4.
Vehicle wheel. W. C. Leonard. 1,467,180; Sept. 4.
Vehicles, Combined bumper and fender for motor. A. C. McCloskey. 1,466,883; Sept. 4.
Vehicles, Four-wheel drive for electric. R. Fuller. 1,467,152; Sept. 4.
Vehicles, Spring shackle for. R. M. Lovejoy. 1,467,051; Sept. 4.
Ventilating, heating, cooling, and shade apparatus for rooms. J. Lawrence. 1,467,005; Sept. 4.
Violin-sound-post setter. C. H. Todd. 1,466,681; Sept. 4.
Wagon-body brace. H. L. Barnard and C. A. Nauman, jr. 1,467,263; Sept. 4.
Wagon-box litter. S. H. Jones. 1,467,167; Sept. 4.
Wagon box, Telescopic. A. B. Quackenbush. 1,467,195; Sept. 4.
Wagon, Dumping. E. W. Winans. 1,466,919; Sept. 4.
Wagon dumps, Attachment for. E. D. McCullough and A. W. Butcher. 1,467,183; Sept. 4.
Wall construction, Hollow-tile. R. S. Requa. 1,467,117; Sept. 4.
Washing machines, Gearing for. B. C. White. 1,467,214; Sept. 4.
Washing plunger, dolly, and the like. A. Taylor. 1,466,678; Sept. 4.
Water-discharge device, Adjustable. J. F. Brust. 1,467,133; Sept. 4.
Water-power motor. M. I. Tuttle and L. L. Hill. 1,466,861; Sept. 4.
Weld forging method, Electric. I. W. Henry. 1,466,716; Sept. 4.
Welding electrode holder. J. J. Dooley. 1,467,028; Sept. 4.
Well-drilling tools, Swivel rope socket for oil-. G. Jaques. 1,467,273; Sept. 4.
Wheel: *See*—
Resilient wheel. Vehicle wheel.
Wheel-rim-contracting device. P. J. Rivers. 1,467,068; Sept. 4.
Wheel rim, Demountable. J. Wentz. 1,466,812; Sept. 4.
Window. L. S. Gruber. 1,467,034; Sept. 4.
Window-shade bracket, Adjustable. C. Day. 1,467,025; Sept. 4.
Windshields, Side wing for. L. A. Hanson. 1,466,713; Sept. 4.
Windshields, Water-shedding compound for glass. L. S. Morrissey. 1,466,888; Sept. 4.
Wrapping machine. H. de Escobales. 1,466,814; Sept. 4.
Wrench: *See*—
Ratchet wrench.
Wrench. C. R. Bryant. 1,466,947; Sept. 4.
Wringer: *See*—
Clothes wringer.
Zirconium and similar ores, Decomposing. J. Koerner. 1,467,275; Sept. 4.

CLASSIFICATION OF PATENTS

ISSUED SEPTEMBER 4, 1923.

NOTE.—First number=class, second number=subclass, third number=patent number.

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ALPHABETICAL LIST OF REGISTRANTS OF TRADE-MARKS.

A-I Manufacturing Co., Bradford, England. Electric welding machines and parts thereof and electric tools for welding purposes and parts thereof. 172,808; Sept. 11; Serial No. 125,101; published June 5, 1923.

Abilene Flour Mills Co., The, Abilene, Kans. Wheat flour. 172,596; Sept. 11; Serial No. 171,780; published June 5, 1923.

Adams, Alfred B., New York, N. Y. Biotherapeutic and opotherapeutic products. 172,813–14; Sept. 11; Serial Nos. 176,004–5; published June 5, 1923.

Adams, Alfred B., New York, N. Y. Biotherapeutic and opotherapeutic products. 173,036–7; Sept. 11; Serial Nos. 176,004–7; published June 5, 1923.

Adams, Alfred B., New York, N. Y. Biotherapeutic and opotherapeutic products. 173,038–9; Sept. 11; Serial Nos. 176,009–10; published June 5, 1923.

Advanced Metal Stamping Company. (See Hardy, Charles.)

Allmans Co., Milwaukee, Wis. Lotion applied to the face after shaving, hair tonic, tooth paste, etc. 172,690; Sept. 11; Serial No. 155,471; published May 29, 1923.

Alpina Cheese Co., Burgdorf, Switzerland. Swiss cheese. 172,555; Sept. 11; Serial No. 170,112; published May 8, 1923.

Alpina Cheese Co., Burgdorf, Switzerland. Swiss cheese. 172,573; Sept. 11; Serial No. 170,114; published May 8, 1923.

Aluminium-Industrie-Aktien-Gesellschaft, Neuhausen, Switzerland. Calcium carbide. 172,715; Sept. 11; Serial No. 175,290; published May 22, 1923.

American Dealers Trading Corporation, Huntington, Pa. Wheat flour. 172,986; Sept. 11; Serial No. 173,990; published June 5, 1923.

American Lock Manufacturing Co., assignor, by mesne assignments, to J. Junkung, Chicago, Ill. Locks. 172,779; Sept. 11; Serial No. 155,292; published June 5, 1923.

American Milling Company, Peoria, Ill. Chick mash. 173,021; Sept. 11; Serial No. 172,926; published June 5, 1923.

American Milling Company, Peoria, Ill. Egg mash. 173,022; Sept. 11; Serial No. 172,925; published June 5, 1923.

American Motorsign Company, Cincinnati, Ohio. Moving-advertisement-projection machines. 172,866; Sept. 11; Serial No. 172,971; published June 5, 1923.

American Summer Clo Co., New York, N. Y. Men's mohair suits. 172,605; Sept. 11; Serial No. 170,553; published June 5, 1923.

American Wholesale Corporation, (Baltimore Bargain House), Baltimore, Md. Knitted underwear, sweaters, and bathing suits. 173,023; Sept. 11; Serial No. 172,817; published June 5, 1923.

Amore Drug & Chemical Company, New York, N. Y. External remedies for skin diseases. 172,875; Sept. 11; Serial No. 175,977; published May 29, 1923.

Amsco Products Inc. (See Hardy, Charles, assignor.)

Angel, H. Reeve, & Co., Inc., New York, N. Y. Bond and correspondence paper. 172,917; Sept. 11; Serial No. 178,020; published June 5, 1923.

Apfelbaum, Frederick A., New York, N. Y. Lantern slides. 172,782; Sept. 11; Serial No. 158,280; published June 5, 1923.

Archibald & Lewis Company, New York, N. Y. Spices, birdseed, bird food, seasoning herbs, tapioca. 172,932; Sept. 11; Serial No. 165,475; published June 5, 1923.

Arden, Elizabeth. (See Lewis, Florence N.)

Arkelian, Bea H., & Co., Fresno, Calif. Fresh grapes and cantaloupes. 172,788; Sept. 11; Serial No. 164,482; published June 5, 1923.

Armand Company, The, Des Moines, Iowa. Cold-cream powder. 172,968; Sept. 11; Serial No. 174,994; published June 5, 1923.

Askinn, Morris H., doing business as Trichitone Laboratories, New York, N. Y. Hair tonic. 172,707; Sept. 11; Serial No. 175,593; published May 29, 1923.

Associated Radium Chemists, Inc., New York, N. Y. Tooth paste, wash, and dentifrice. 172,675; Sept. 11; Serial No. 166,925; published May 8, 1923.

Atlanta Milling Co., Atlanta, Ga. Self-rising flour. 172,738; Sept. 11; Serial No. 169,345; published Feb. 27, 1923.

Atlas Baking Company, Chicago, Ill. Cakes and bread. 172,827; Sept. 11; Serial No. 166,623; published May 15, 1923.

Atlas Rubber Company. (See Schulthess, Ernest.)

Ballard & Ballard Company, Louisville, Ky. Wheat flour—namely, self-rising flour. 172,625; Sept. 11; Serial No. 159,078; published June 5, 1923.

Ballard and Ballard Company, Louisville, Ky. Wheat flour—namely, self-rising flour. 172,626; Sept. 11; Serial No. 156,434; published June 5, 1923.

Bankers Supply Co., The, Denver, Colo., and Chicago, Ill. Safety paper—viz, blank checks. 173,042; Sept. 11; Serial No. 179,391; published June 5, 1923.

Banks, Llewellyn A., doing business as Citrus Growers Cash Association, Los Angeles, Calif. Fresh citrous fruits—viz, oranges and lemons. 172,620; Sept. 11; Serial No 161,960; published Dec. 26, 1922.

Bariscillo, John J., doing business as Tonsitol Laboratories, Asbury Park, N. J. Preparation for the treatment of tonsillitis, hoarseness, quinsy, etc. 172,892; Sept. 11; Serial No. 175,641; published May 15, 1923.

Barlith Company, The, San Francisco, Calif. Liquid waterproofing composition for wood, brick, etc. 173,018; Sept. 11; Serial No. 173,126; published June 5, 1923.

Battle Creek Food Company, Battle Creek, Mich. Cereal breakfast food. 172,764; Sept. 11; Serial No. 174,722; published June 5, 1923.

Battle Creek Food Company, The, Battle Creek, Mich. Laxative. 172,885; Sept. 11; Serial No. 175,839; published May 15, 1923.

Baumann, Carl A., doing business as Lake Mills Milk Company, Jefferson, Wis. Canned evaporated milk. 172,780; Sept. 11; Serial No. 155,661; published June 5, 1923.

Baur, O. P., Conf. Co., The, Denver, Colo. Candy. 173,073; Sept. 11.

Bear Brand Hosiery Co., Chicago, Ill. Hosiery. 173,040; Sept. 11; Serial No. 176,595; published June 26, 1923.

Beautex Laboratories Company, The, Cleveland, Ohio. Vanishing, cleansing, and tissue creams, cream powder, rouge, etc. 173,049; Sept. 11; Serial No. 176,817; published June 12, 1923.

Becker, Dr., Medicine Co., New York, N. Y. Insecticide ointment and shampoo. 172,665; Sept. 11; Serial No. 174,382; published May 8, 1923.

Bell, Claude A., Tyngsboro, Mass. Artificial-vanilla flavoring compound for candies, cakes, pies, puddings, and ice cream. 172,858; Sept. 11; Serial No. 169,148; published June 5, 1923.

Bennett, Virginia D., New York, N. Y. Face powders, face creams, perfumes, toilet waters, etc. 172,637; Sept. 11; Serial No. 163,961; published May 22, 1923.

Berger Hosiery Company, Philadelphia, Pa. Hosiery. 172,931; Sept. 11; Serial No. 167,040; published June 5, 1923.

Best & Co. Inc., New York, N. Y. Women's and misses' furnishings and clothing. 172,970; Sept. 11; Serial No. 174,884; published June 5, 1923.

Betty Lou, Chicago, Ill. Face powders. 172,591; Sept. 11; Serial No. 168,536; published May 29, 1923.

Bieg, Elsie W., Chicago, Ill. Chinaware. 173,001; Sept. 11; Serial No. 177,472; published June 5, 1923.

Biegler, George C., doing business as Dent Laboratories, Cincinnati, Ohio. Antiseptic. 171,635; Sept. 11; Serial No. 165,058; published Apr. 17, 1923.

Biltmore Industries. (See Grove Park Inn, Inc.)

Birdsey-Somers Co., New York, N. Y. Corsets, brassières, and girdles. 172,998; Sept. 11; Serial No. 177,212; published June 5, 1923.

Black Bros. Flour Mills. Beatrice, Nebr. Wheat flour. 172,824; Sept. 11; Serial No. 167,703; published June 5, 1923.

Black, Walter B., Hoopeston, Ill. Poultry foods. 172,564; Sept. 11; Serial No. 170,750; published May 1, 1923.

Blanc Manufacturing Co. (See Blanc, Samuel.)

Blanc, Samuel, doing business as Blanc Manufacturing Co., Philadelphia, Pa. Antiseptic astringent, and deodorant mouth wash. 172,706; Sept. 11; Serial No. 175,642; published May 29, 1923.

Blanchette, Auguste, Pawtucket, R. I. Ointment for external use for cuts, bruises, sprains, and eruptions. 172,656; Sept. 11; Serial No. 174,887; published June 5, 1923.

Bochmann, F. A., & Co. Inc., Philadelphia, Pa. Worsted and woolen dress goods in the piece. 172,894–5; Sept. 11; Serial Nos. 175,051–2; published May 29, 1923.

Boyd, Lunham & Company, Chicago, Ill. Lard. 173,034; Sept. 11; Serial No. 174,607; published June 5, 1923.

Bozeman, Mike E., doing business as Hampton Medicine Company, Winnfield, La. Preparation for impure blood. 173,013; Sept. 11; Serial No. 173,871; published June 5, 1923.

Brawner, Henry N., jr., doing business as Chestnut Farms Dairy, Washington, D. C. Raw and pasteurized milk, butter, eggs, and cheese. 172,566; Sept. 11; Serial No. 170,739; published May 1, 1923.

Brawner, Henry N., jr., doing business as Chestnut Farms Dairy, Washington, D. C. Butter, eggs, and cheese. 172,585; Sept. 11; Serial No. 170,707; published May 15, 1923.

Brawner, Henry N., jr., doing business as Chestnut Farms Dairy, Washington, D. C. Raw and pasteurized milk, butter, eggs, and cheese. 172,684; Sept. 11; Serial No. 161,349; published May 15, 1923.

Brawner, Henry N., jr., doing business as Chestnut Farms Dairy, Washington, D. C. Butter. 172,939; Sept. 11; Serial No. 161,347; published June 5, 1923.

Breit, Antol M., doing business as Crescent Rubber Specialty Company, Chicago, Ill. Bloomers for babies and children. 172,957; Sept. 11; Serial No. 175,296; published June 5, 1923.

Brogan, Byard F., Philadelphia, Pa. Finger rings, pendants, scarfpins, etc. 172,995; Sept. 11; Serial No. 176,716; published June 5, 1923.

Brooks, Robert W., doing business as Brooks Paper Company, St. Louis, Mo. Stereotyping and copying tissue. 172,929; Sept. 11; Serial No. 176,534; published June 5, 1923.

Brooks, William H., San Francisco, Calif. Meat pies, meat dumplings, and foods having a meat filler. 172,611; Sept. 11; Serial No. 167,597; published June 5, 1923.

Brown & Bigelow, St. Paul, Minn. Caps for men, women, or children, and aprons made of cloth. 172,784; Sept. 11; Serial No. 169,743; published June 5, 1923.

Brown, Wm. H., & Bro. Company, Baltimore, Md. Perfume, toilet water, sachet powder, and talcum and face powders. 172,721; Sept. 11; Serial No. 174,818; published May 22, 1923.

Buchanan, H. Everett, jr., doing business as Rose Cerate Company, Elmira, N. Y. Antiseptic remedy. 173,085; Sept. 11.

Bullet Proof & Non-Shatterable Glass Corporation, New York, N. Y. Glass. 172,996–7; Sept. 11; Serial No. 176,717–8; published June 5, 1923.

Burcher, George E., doing business as Burcher's Pharmacy, Newport News, Va. General medicinal tonic. 172,670; Sept. 11; Serial No. 174,124; published May 22, 1923.

Burnes, Frank, doing business as Burnes Remedy Company, St. Louis, Mo. Liquid preparation for the treatment of rheumatism. 172,663; Sept. 11; Serial No. 174,426; published May 8, 1923.

Burnham & Morrill Company, Portland, Me. Fish flakes, codfish cakes, clams, alimentary paste products, etc. 173,016; Sept. 11; Serial No. 173,399; published June 5, 1923.

Burus, Jay, Baking Company, Omaha, Nebr. Loaves of wheat bread. 172,811; Sept. 11; Serial No. 168,980; published Apr. 3, 1923.

Burnstine, Abraham, Washington, D. C. Watches, clocks, chronometers, and parts for same. 172,802; Sept. 11; Serial No. 172,632; published June 5, 1923.

Butler, J. W., Paper Company, Chicago, Ill. Paper. 172,922; Sept. 11; Serial No. 177,213; published June 5, 1923.

Butts, J. F., Co., San Francisco, Calif. Canned vegetables. 173,069; Sept. 11.

Cafe L'Aiglon. (See Patton, John G.)

California Jelly-Juce Company. (See Hulburt, H. L.)

Calverley, Charles D., doing business as C. D. Calverley & Co., East St. Louis, Ill. 172,984; Sept. 11; Serial No. 174,064; published June 5, 1923.

Canfield Rubber Company, The, Bridgeport, Conn. Barber bibs and shampoo protectors. 173,075; Sept. 11.

CaPhenin Chemical Company, Waverly, Iowa. Laxative wafer. 172,703; Sept. 11; Serial No. 175,768; published May 29, 1923.

Carolina Remedies Company, Union, S. C. Egg producer and poultry tonic. 172,896; Sept. 11; Serial No. 177,272; published Apr. 17, 1923.

Cathcart, Herbert J., doing business as The Cathcart Company, New York, N. Y. Handkerchiefs. 172,904; Sept. 11; Serial No. 177,545; published June 12, 1923.

Central Wisconsin Canneries, Beaver Dam, Wis. Canned peas. 172,873; Sept. 11; Serial No. 173,807; published June 5, 1923.

"Cérès" Docks, Minoterie, Semoulerie Pates Alimentaires, Nice, France. Semolinas, rices, alimentary pastes, and biscuits. 172,647; Sept. 11; Serial No. 153,385; published May 8, 1923.

Chacon, R. M. A., doing business as The Chacon Trading Company, New York, N. Y. Hydrocarbon materials or asphaltum products. 172,720; Sept. 11; Serial No. 175,000; published June 5, 1923.

Challenge Company, Batavia, Ill. Windmills, gasoline engines, windmill pumps, siphon pumps, etc. 172,799; Sept. 11; Serial No. 174,724; published June 5, 1923.

Chamberlin, Benjamin F., doing business as B. F. Chamberlin, Boston, Mass. Molded rubber heels and soles, fiber soles and heels, shoes, and rubber and fiber top lifts. 172,775; Sept. 11; Serial No. 141,855; published June 5, 1923.

Chamberlin, Benjamin F., doing business as B. F. Chamberlin, Boston, Mass. Heels, soles, shoes, and top lifts. 172,776; Sept. 11; Serial No. 141,856; published June 5, 1923.

Chase, L. C., & Company, Boston, Mass. Rug and carpet holders and materials for same. 172,668; Sept. 11; Serial No. 174,280; published June 5, 1923.

Chemische Fabrik vormals Sandoz, Basel, Switzerland. Pharmaceutical preparation. 173,046; Sept. 11; Serial No. 176,882; published June 12, 1923.

Chemische Fabrik vormals Sandoz, Basel, Switzerland. Pharmaceutical preparation. 173,047; Sept. 11; Serial No. 176,880; published June 12, 1923.

Chemische Fabrik "Norgine" Dr. Victor Stein, Aussig, Czechoslovakia. Pharmaceutical preparations to be administered into animals and human beings, for treatment of tabes, paralysis, etc. 172,681; Sept. 11; Serial No. 163,139; published May 8, 1923.

Chemitex Products Company, The, Akron, Ohio. Artificial patent and suede leather and rubber-surface cloth. 172,660; Sept. 11; Serial No. 174,233; published June 5, 1923.

Chestnut Farms Dairy. (See Brawner, Henry N., jr.)

Chute, Clarence L., doing business as The Chute Laboratories, New Lexington, Ohio. Embalmers' face pack, clay massage, cold cream, and vanishing cream. 172,565; Sept. 11; Serial No. 170,742; published Apr. 17, 1923.

Citrus Growers Cash Association. (See Banks, Llewellyn A.)

Clegg, Sherman D., doing business as Vinco Herb Company, Dayton, Ohio. Herb tablets for the stomach, liver, bowels, and blood. 172,719; Sept. 11; Serial No. 175,070; published May 22, 1923.

Clinton Motors Corporation, New York, N. Y. Motor trucks. 173,056; Sept. 11; Serial No. 176,536; published June 12, 1923.

Clyde Creamery Company, Clyde, N. Y. Butter. 172,634; Sept. 11; Serial No. 167,290; published June 5, 1923.

Coaster Company, Salt Lake City, Utah. Hand sleds for snow and ice, interchangeable hand sleds with wheels, and toy wagons. 173,054; Sept. 11; Serial No. 176,603; published June 12, 1923.

Cocroft, Susanna, Laboratories, Inc., New York, N. Y. Perfume, toilet water, face powder, rouge, etc. 172,792; Sept. 11; Serial No. 175,467; published June 5, 1923.

Cocroft, Susanna, Laboratories, Inc., New York, N. Y. Perfume, toilet water, sachet powder, face powder, etc. 172,955; Sept. 11; Serial No. 175,468; published June 5, 1923.

Coggins, Leslie L., San Francisco, Calif. Toilet cream. 172,745; Sept. 11; Serial No. 167,972; published Apr. 24, 1923.

Cohen & Edelman, New York, N. Y. Women's coats, skirts, knickerbockers, suits, and dresses. 172,602; Sept. 11; Serial No. 170,740; published June 5, 1923.

Cole Chemical Company, St. Louis, Mo. Tonics, preparations for use in the treatment of hyperthyroidism, goiter, etc. 172,852; Sept. 11; Serial No. 175,770; published June 5, 1923.

Colgate & Company, Jersey City, N. J. Liquid and powdered perfumes. 172,666; Sept. 11; Serial No. 174,291; published May 29, 1923.

Colgate & Company, Jersey City, N. J. Rouge. 172,667; Sept. 11; Serial No. 174,290; published May 29, 1923.

Condé, Perfumer, New York, N. Y. Face powders and creams, perfumes, toilet waters, rouges, etc. 172,879; Sept. 11; Serial No. 175,918; published May 29, 1923.

Continental Ampower Company. (See Jester, Jerome K.)

Copperstone Products Co., The, Toledo, Ohio. Mineral aggregate as ingredients for road surfacing, pavements, floors, etc. 172,920; Sept. 11; Serial No. 177,277; published June 5, 1923.

Corby Baking Company, Inc., The, Washington, D. C. Bread. 172,633; Sept. 11; Serial No. 167,292; published May 11.

Coty, Inc., New York, N. Y. Perfumes. 172,878; Sept. 11; Serial No. 175,920; published May 29, 1923.

Cream Balm Company, The, Jersey City, N. J. Medicinal compound for the treatment of catarrhal diseases of the head. 172,568; Sept. 11; Serial No. 170,626; published May 22, 1923.

Crescent Rubber Specialty Company. (See Breit, Antol M.)

Cromwell, Robert H., doing business as Southern California Cosmetic Mfg. Co., Los Angeles, Calif. Preparation for imparting a glossy appearance to the hair. 172,977; Sept. 11; Serial No. 176,074; published June 12, 1923.

Cumberland Chemical Co., Nashville, Tenn. Proprietary medicinal preparations. 172,571; Sept. 11; Serial No. 170,429; published Apr. 24, 1923.

Cumberland Chemical Co., Nashville, Tenn. Proprietary medicinal preparations. 172,586; Sept. 11; Serial No. 170,428; published May 29, 1923.

Cunningham, Christopher, Company, The, Brooklyn, N. Y. Tanks and washtubs. 173,080; Sept. 11.

Dabrasky, Apolinars, New York, N. Y. Insect powder. 172,676; Sept. 11; Serial No. 166,769; published May 8, 1923.

Daggett & Miller Co. Inc., Providence, R. I. Hair tonic. 172,967; Sept. 11; Serial No. 175,007; published June 5, 1923.

Dainty Maid Company, Somerville, Mass. Salad dressing, mayonnaise, tartar sauce, mustard, olive pimento mayonnaise, etc. 172,805; Sept. 11; Serial No. 150,138; published June 5, 1923.

Danda-Halpern Co., Inc., New York, N. Y. Linens and decorated linens in the piece. 172,901; Sept. 11; Serial No. 177,963; published June 12, 1923.

Deachman, T. Wilson, Chicago, Ill. Autogenous product in the nature of urine vaccine. 172,746; Sept. 11; Serial No. 167,868; published May 15, 1923.

De Klyn Candy Company, The, Cleveland, Ohio. Confectionery. 172,943; Sept. 11; Serial No. 156,520; published June 5, 1923.

Deming Company, The, Salem, Ohio. Pumps, including hydraulic rams. 172,789; Sept. 11; Serial No. 175,923; published June 5, 1923.

Denio, J. W., Milling Company, The, Sheridan, Wyo. Wheat flour. 172,636; Sept. 11; Serial No. 164,025; published May 1, 1923.

Denio, J. W., Milling Company, The, Sheridan, Wyo. Wheat flour. 172,934; Sept. 11; Serial No. 164,024; published June 5, 1923.

Dent Laboratories. (See Biegler, George C.)

De Saussure, Frank M., jr., doing business as Peerless Folding Ladder Co., Greenville, S. C. Folding stepladders. 173,078; Sept. 11.

Detroit Lubricator Company, Detroit, Mich. Locomotive lubricators, stationary lubricators, valve and oil cups. 173,041; Sept. 11; Serial No. 176,955; published June 5, 1923.

Dickgiesser, Charles J., doing business as Charles J. Dickgiesser & Co., Derby, Conn. Metal guards for machinery. 173,084; Sept. 11.

Dickinson, Albert, Company, The, Chicago, Ill. Dairy feed. 172,812; Sept. 11; Serial No. 175,074; published June 5, 1923.

Dickinson, Albert, Company, The, Chicago, Ill. Poultry feed. 172,905; Sept. 11; Serial No. 175,073; published June 5, 1923.

Dickson, Hugh F., Covington, Tenn. Salve for the treatment of pneumonia, influenza, etc. 172,972; Sept. 11; Serial No. 174,768; published June 5, 1923.

Dixon, Charles P., doing business as Itis-Real Remedy Company, Kansas City, Mo. Salves and ointments. 172,683; Sept. 11; Serial No. 162,613; published May 29, 1923.

Dorr, Arthur E., & Co., Boston, Mass. Butter, olives, and oleomargarine. 172,632; Sept. 11; Serial No. 80,177; published June 5, 1923.

Dover Manufacturing Company, The, Dover, Ohio. Electric sadirons. 173,008; Sept. 11; Serial No. 178,230; published June 5, 1923.

Dubilier Condenser and Radio Corporation, New York, N. Y. Crystal detectors and rectifiers. 173,009; Sept. 11; Serial No. 178,333; published June 5, 1923.

Duffy, F. S., doing business as The F. S. Duffy Medicine Co., New Bern, N. C. Antimalarial tablet. 172,708; Sept. 11; Serial No. 175,547; published May 15, 1923.

Dunlop Milling Co., Clarksville, Tenn. Wheat flour. 172,936; Sept. 11; Serial No. 162,808; published June 5, 1923.

Dyestuffs & Chemicals, Incorporated, St. Louis, Mo. Coal-tar dyes, colors, and intermediates. 173,050; Sept. 11; Serial No. 176,789; published June 12, 1923.

Eastern Auto Products Co., Providence, R. I. Chemical carbon remover for internal-combustion engines. 172,826; Sept. 11; Serial No. 167,076; published June 5, 1923.

Ebling Company, The, New York, N. Y. Malt extract. 173,083; Sept. 11.

Eddine Manufacturing Co., The, Cleveland, Ohio. Medicinal agents for the external treatment of bodily pains. 172,954; Sept. 11; Serial No. 175,548; published June 5, 1923.

Edelstein Company, New York, N. Y. Watches and watchcases. 172,797; Sept. 11; Serial 174,895; published June 5, 1923.

Eiseman, Samuel & Co., Inc., New York, N. Y. Silk piece goods and silk and cotton mixture piece goods. 172,597; Sept. 11; Serial No. 171,691; published June 5, 1923.

Elizabeth Arden. (See Lewis, Florence N.)

Elpho Pharmacal Company. (See Helfand, Leopold E.)

Elson & Church, Los Angeles, Calif. Fireplaces. 172,919; Sept. 11; Serial No. 177,431; published June 5, 1923.

Endicott Johnson Corporation, Endicott, N. Y. Leather shoes. 172,948; Sept. 11; Serial No. 152,791; published June 5, 1923.

Ephraim Sanitary Canning Company, Ephraim, Utah. Canned vegetables. 173,077; Sept. 11.

Estate of Julia V. H. Magee. (See Magee, Christopher, jr.)

Evans Chemical Works, The, Portland, Oreg. Fingernail polish, cleaner, and tonic. 172,713; Sept 11; Serial No. 175,388; published May 22, 1923.

Everett, Heaney & Co., Inc., New York, N. Y. Printed shirtings and percales. 172,614; Sept. 11; Serial No. 166,821; published June 5, 1923.

Evershine Company, The. (See Maynard, Thomas P.)

Evonol Laborntories. (See Stemmler, Theodore W.)

Fabrik Stolzenberg Deutsche Bureau-Einrichtungs-Gesellschaft mit beschrankter Haftung, Oos, Germany. Typewriting machines and parts thereof and mechanical copying machines. 172,819; Sept. 11; Serial No. 171,988; published June 5, 1923.

Fambach, John G., Cleveland, Ohio. Medicinal preparations for nervousness, falling sickness, etc. 172,735; Sept. 11; Serial No. 169,895; published May 22, 1923.

Farbenfabriken vorm. Friedr. Bayer & Co., Leverkusen, near Cologne-on-the-Rhine, Germany. Remedy to be used as a sedative or hypnotic. 172,744; Sept. 11; Serial No. 167,976; published Dec. 26, 1922.

Feinburg, David, Company, doing business as Snappee Co., Chelsea, Mass. Spring covers and grease boots. 173,025; Sept. 11; Serial No. 172,643; published June 5, 1923.

Fendelman Brothers Cap and Hat Manufacturing Company, St. Louis, Mo. Caps for men, women, and children. 173,060; Sept. 11; Serial No. 177,287; published June 5, 1923.

Fiske & Company, Inc., Boston, Mass. Bricks. 173,065; Sept. 11.

Flashner, Joseph, doing business as Hirsch & Flashner, New York, N. Y. Pearls and artificial pearls. 172,796; Sept. 11; Serial No. 175,138; published June 5, 1923.

Flores, Rodolfo, doing business as Sana-Cutis (Chemical) Co., Sedalia, Mo. Vanishing face cream and cold cream. 172,742; Sept. 11; Serial No. 168,408; published May 15, 1923.

Fogarty Manufacturing Company, The, Dayton, Ohio. Tags. 172,887; Sept. 11; Serial No. 175,783; published June 5, 1923.

Foley & Company, Chicago, Ill. Tooth paste, glycerin, castor oil, essence of peppermint. 172,960; Sept. 11; Serial No. 176,263; published June 12, 1923.

Foley & Company, Chicago, Ill. Hair oils. 172,974; Sept. 11; Serial No. 176,261; published June 12, 1923.

Forst Laboratories, Cincinnati, Ohio. Rubbing and massaging alcohol. 172,582; Sept. 11; Serial No. 171,073; published May 8, 1923.

Forstmann & Huffmann Company, Passaic, N. J. Woolen piece goods. 172,835; Sept. 11; Serial No. 178,989; published June 5, 1923.

Forstmann & Huffmann Company, Passaic, N. J. Woolen piece goods. 172,899–900; Sept. 11; Serial Nos. 178,996–7; published June 12, 1923.

Forstmann & Huffmann Company, Passaic, N. J. Woolen piece goods. 172,910–11; Sept. 11; Serial Nos. 178,993–4; published June 5, 1923.

Forstmann & Huffmann Company, Passaic, N. J. Woolen piece goods. 172,912; Sept. 11; Serial No. 178,992; published June 5, 1923.

Fox, John J., Hancock, Mich. Hair tonic. 172,567; Sept. 11; Serial No. 170,635; published June 26, 1923.

Franke, Charles A., Little Rock, Ark. Breads, cakes, and pastries. 172,563; Sept. 11; Serial No. 170,762; published May 1, 1923.

Franklin Knitting Mills, Inc., New York, N. Y. Knitted scarfs and bow ties. 172,958; Sept. 11; Serial No. 175,238; published June 5, 1923.

Frenkel, L. & E., Inc., New York, N. Y. Flours—namely, wheat and semolinas. 172,767; Sept. 11; Serial No. 174,433; published June 5, 1923.

Friend Brothers, Melrose, Mass. Bread, cake, pies, canned puddings, and mincemeat, etc. 172,747; Sept. 11; Serial No. 167,518; published May 1, 1923.

Frost, Herbert H., Chicago, Ill. Radioreceivers. 173,074; Sept. 11.

Frostilla Company, The. (See Shoemaker, Flora H.)

Fuhrman, O., Inc., New York, N. Y. Leather shoes and storm rubbers. 172,821; Sept. 11; Serial No. 170,741; published June 5, 1923.

Fuld Brothers, New York, N. Y. Woolen and cotton blankets. 172,933; Sept. 11; Serial No. 165,132; published Aug. 1, 1922.

Garbarini, André, Courbevoie, France. Portable heating apparatus. 172,616; Sept. 11; Serial No. 165,750; published June 5, 1923.

Garratt, Clare E., New York, N. Y. Hand-decorated silk and velvet goods in the piece. 172,837; Sept. 11; Serial No. 178,915; published June 5, 1923.

Garrett, Ralph C., doing business as Tricco Chemical Co., Detroit, Mich. Preparation for use in the treatment of eczema. 172,560; Sept. 11; Serial No. 171,268; published May 22, 1923.

Gebhart, Edgar S., doing business as Redfern Medicine Company, Dayton, Ohio. Digestive tonic. 172,662; Sept. 11; Serial No. 174,518; published May 8, 1923.

Genschow, Gustav, & Co., Aktiengesellschaft, Berlin, Germany. Pistols, rifles, muskets, guns, revolvers, ammunition, and cleaning rods. 172,937; Sept. 11; Serial No. 161,877; published Oct. 24, 1922.

Genschow, Gustav, & Co., Aktiengesellschaft, Berlin, Germany. Pistols, rifles, muskets, guns, revolvers, ammunition, and cleaning rods. 172,938; Sept. 11; Serial No. 161,875; published Oct. 24, 1922.

Gerhardt, Jacob, & Company, Incorporated, New York, N. Y. Outer, negligee, and work shirts for men. 173,024; Sept. 11; Serial No. 172,670; published June 5, 1923.

Globe Laboratories, Fort Worth, Tex. Clear refined anti-hog-cholera serum, anti-hog-cholera serum, hog-cholera virus, mixed infection bacterin for swine, etc. 172,680; Sept. 11; Serial No. 163,752; published May 29, 1923.

Goethel, Alfred C. Co., The, Milwaukee, Wis. Skylights. 173,055; Sept. 11; Serial No. 176,619; published June 12, 1923.

Goodell-Pratt Company, Greenfield, Mass. Bench grinders. 172,697; Sept. 11; Serial No. 177,082; published May 29, 1923.

Goodell-Pratt Company, Greenfield, Mass. Miter boxes. 172,698; Sept. 11; Serial No. 176,893; published May 29, 1923.

Goodell-Pratt Company, Greenfield, Mass. Polishing and grinding heads. 172,699; Sept. 11; Serial No. 176,825; published May 29, 1923.

Goodell-Pratt Company, Greenfield, Mass. Valve grinders. 172,700; Sept. 11; Serial No. 176,824; published May 29, 1923.

Goodell-Pratt Company, Greenfield, Mass. Bench vises. 172,701; Sept. 11; Serial No. 176,737; published May 29, 1923.

Goodrich, B. F., Company, The, New York, N. Y. Inner tubes. 172,888; Sept. 11; Serial No. 175,720; published June 5, 1923.

Goudey Gum Company, The, Boston, Mass. Chewing gum. 172,781; Sept. 11; Serial No. 156,001; published June 5, 1923.

Graffin & Dolson, New York, N. Y. Cretonnes in the piece. 172,847; Sept. 11; Serial No. 176,462; published June 5, 1923.

Graham Bros. Soap Company, Chicago, Ill. Shampoo. 172,726–7; Sept. 11; Serial Nos. 174,573–4; published May 22, 1923.

Graham, Edward A., doing business as Alfred Graham & Co., London, England. Telephonic receivers. 172,993; Sept. 11; Serial No. 176,021; published June 5, 1923.

Graniteville Measuring Company, Graniteville, S. C. Cotton piece goods. 173,097; Sept. 11.

Great Atlantic and Pacific Tea Company, The, Jersey City, N. J. Butter. 172,763; Sept. 11; Serial No. 174,776; published June 5, 1923.

Great Notch Paper Company, Inc., New York, N. Y. Wrapping paper. 172,915; Sept. 11; Serial No. 178,502; published June 5, 1923.

Grindle Fuel Equipment Company, Harvey, Ill. Apparatus for preparing, conveying, and burning comminuted fuel. 172,953; Sept. 11; Serial No. 175,551; published June 5, 1923.

Grove Park Inn, Inc., doing business as Biltmore Industries, Asheville, N. C. Woolen homespun textile fabrics in the piece. 173,020; Sept. 11; Serial No. 172,988; published June 5, 1923.

Growers Distilling Co., Woodbine, Md. Chenopodium oil. 172,730; Sept. 11; Serial No. 174,519; published May 22, 1923.

Hall, C. C., Inc., Rochester, N. Y. Evaporated apples. 172,615; Sept. 11; Serial No. 165,998; published Jan. 16, 1923.

Hall, C. C., Inc., Rochester, N. Y. Dried fruits. 172,867; Sept. 11; Serial No. 173,421; published June 5, 1923.

Hampton Medicine Company. (See Bozeman, Mike E.)

Hardy, Charles, doing business as Advanced Metal Stamping Company, assignor to Amsco Products Inc., New York, N. Y. Radio apparatus, rheostats, potentiometers, etc. 172,884; Sept. 11; Serial No. 175,865; published May 29, 1923.

Harriss, William H., New York, N. Y. Cotton, silk, woolen, or jute fabrics. 172,902; Sept. 11; Serial No. 177,780; published June 5, 1923.

Hecht, Daniel, doing business as D. Hecht & Co., San Francisco, Calif. Wheat flour. 172,750; Sept. 11; Serial No. 165,871; published May 1, 1923.

Hecker-Jones-Jewell Milling Company, New York, N. Y. Wheat flour. 172,756; Sept. 11; Serial No. 175,241; published June 5, 1923.

Heil Co., The, Milwaukee, Wis. Truck bodies. 173,957–62; Sept. 11; Serial Nos. 176,466–71; published June 12, 1923.

Heinbach Incinerator Co., St. Paul, Minn. Incinerators. 172,956; Sept. 11; Serial No. 175,427; published June 5, 1923.

Heitel, Fannie, New York, N. Y. Chemical preparation for preventing the further tearing and ripping of hosiery. 172,741; Sept. 11; Serial No. 168,689; published May 29, 1923.

Heitkamp, Elizabeth A., St. Louis, Mo. Hair pomade. 172,729; Sept. 11; Serial No. 174,777; published May 22, 1923.

Helfand, Leopold E., doing business as Elpho Pharmacal Company, Philadelphia, Pa. Cold cream. 172,578; Sept. 11; Serial No. 171,915; published May 22, 1923.

Heller, B., & Company, Chicago, Ill. Chemical preparation for facilitating the scalding, etc., of hogs. 172,556; Sept. 11; Serial No. 171,756; published May 29, 1923.

Heller, B., & Company, Chicago, Ill. Coloring for food and confectionery. 172,574; Sept. 11; Serial No. 173,046; published May 15, 1923.

Heller, B., & Company, Chicago, Ill. Preparation for repelling flies from cattle, horses, dogs, etc. 172,575; Sept. 11; Serial No. 173,045; published May 15, 1923.

Heller, B., & Company, Chicago, Ill. Chemical preparation for use in deodorizing ice boxes, etc. 172,579; Sept. 11; Serial No. 172,043; published May 15, 1923.

Hergy Company, The, Hillsboro, Tex. Salve for eczema, piles, ringworm, etc. 172,964; Sept. 11; Serial No. 175,082; published June 5, 1923.

Heron, Norman C., doing business as N. C. Heron Co., Los Angeles, Calif. Eucalyptus remedies for colds, catarrh, and rheumatism. 172,833; Sept. 11; Serial No. 161,312; published June 5, 1923.

Heyman, Marcus A, New York, N. Y. Piece goods made of silk. 172,928; Sept. 11; Serial No. 176,407; published May 29, 1923.

Hicks Corporation, The, Pittsburgh, Pa. Dishwashing machines. 172,771; Sept. 11; Serial No. 173,355; published June 5, 1923.

Hinchliffe, Alfred W., doing business as Webster Cider & Vinegar Co., Webster, N. Y. Vinegar. 173,068; Sept. 11.

Hirsch & Flashner. (See Flashner, Joseph.)

Hockmeyer Bros., New York, N. Y. Cotton piece goods. 172,906; Sept. 11; Serial No. 179,369; published June 5, 1923.

Holland O'Neal Milling Co., Mount Vernon and Springfield, Mo. Wheat flour. 172,757; Sept. 11; Serial No. 175,102; published June 5, 1923.

Homo Phone Co., The (See Miller, Howard A.)

Hooker Electrochemical Company, Niagara Falls, N. Y. Caustic soda, granulated lye, and chlorinated lime. 172,734; Sept. 11; Serial No. 169,903; published Apr. 24, 1923.

Houbigant, Inc., New York, N. Y. Toilet creams. 172,711; Sept. 11; Serial No. 175,493; published May 15, 1923.

Howse, Mead & Sons, Lt., London, England. Serges in the piece. 173,010; Sept. 11; Serial No. 178,722; published June 5, 1923.

Huey & Mathews, Inc., Pittsburgh, Pa. Coffee, tea, bread, pastry flour, marshmallow crème, and salad dressing. 172,608; Sept. 11; Serial No. 170,019; published June 5, 1923.

Huff, Barnes & Opie, Inc. Pittsburgh, Pa. Wrapping paper. 172,661; Sept. 11; Serial No. 174,520; published June 5, 1923.

Hugg-Me Company, New York, N. Y. Face powder. 172,569; Sept. 11; Serial No. 170,453; published Apr. 17, 1923.

Hulburt, H. L., doing business as California Jely-Juce Company, San Jose and Santa Clara, Calif. Fruit or berry juice to make jelly. 172,870; Sept. 11; Serial No. 173,648; published June 5, 1923.

Hulse, Abram C., jr., New York, N. Y. Hosiery. 172,874; Sept. 11; Serial No. 174,080; published June 5, 1923.

Hyland, George H., doing business as Standard Homeopathic Company, Los Angeles, Calif. Remedy for cold in head, grippe, influenza, etc. 172,576; Sept. 11; Serial No. 172,595; published May 29, 1923.

Inland-Delray Salt Co., Detroit, Mich. Salt. 173,088; Sept. 11.

Ireland Bros., Inc., New York, N. Y. Linen goods in the piece, household or domestic goods manufactured from linen, etc. 172,940; Sept. 11; Serial No. 161,255; published Oct. 24, 1922.

Irwin, James R., Chicago, Ill. Tooth paste and liquid dentifrice. 172,976; Sept. 11; Serial No. 176,188; published June 12, 1923.

Irwin, I. Isaac, doing business as Irwin & Co., San Diego, Calif. Foods and feed for poultry, livestock, and cattle. 172,583; Sept. 11; Serial No. 170,821; published June 5, 1923.

Iten Biscuit Co., Omaha, Nebr. Cookies. 172,557; Sept. 11; Serial No. 171,923; published May 1, 1923.

Itis-Real Remedy Company. (See Dixon, Charles P.)

Jack Bros. & McBurney Co., Brawley, Calif. Fresh cantaloupes, vegetables, deciduous and citrous fruits, and grapes. 173,070; Sept. 11, 1923.

Jaeger, C., Distributing Co., New York, N. Y. Facial cream. 172,572; Sept. 11; Serial No. 170,388; published Apr. 17, 1923.

Jamison, Jacob, Philadelphia, Pa. Outer suits for men and boys. 173,027; Sept. 11; Serial No. 172,335; published June 5, 1923.

Jay Garment Company, The, Portland, Ind. Work shirts. 172,865; Sept. 11; Serial No. 172,839; published June 5, 1923.

Jennings, George W., Chicago, Ill. Face creams, lotions, manicuring preparations, perfumes, etc. 172,854; Sept. 11; Serial No. 175,658; published June 5, 1923.

Jester, Jerome K., doing business as Continental Ampower Company, Atlanta, Ga. Liquid battery charge. 172,570; Sept. 11; Serial No. 170,434; published May 22, 1923.

Johns-Manville, Incorporated, New York, N. Y. Fireproof non-heat-conducting materials. 172,918; Sept. 11; Serial No. 177,786; published June 5, 1923.

Jones, Charles L., St. Louis, Mo. Insecticide for roaches, water bugs, ants, bedbugs, etc. 172,963; Sept. 11; Serial No. 175,084; published June 5, 1923.

Jones, John T., doing business as Jones Remedy Co., Grass Valley, Calif. Preparation for relief of colds, coughs, grippe, etc. 172,772; Sept. 11; Serial No. 172,993; published July 10, 1923.

Judee Laboratories. (See Wolcott, Herbert.)

Junkung, John. (See American Lock Manufacturing Co., assignor.)

Kahlbaum, C. A. F., Chemische Fabrik Gesellschaft mit beschränkter Haftung, Adlershof-Berlin, Germany. Medicinal and chemical pharmaceutical products for treating neuralgic and convulsive affections. 172,739; Sept. 11; Serial No. 168,973; published Apr. 24, 1923.

Kahlbaum, C. A. F., Chemische Fabrik Gesellschaft mit beschränkter Haftung, Adlershof-Berlin, Germany. Medicinal and pharmaceutical products for treating gouty, rheumatic, neuralgic, and migraine affections. 172,740; Sept. 11; Serial No. 168,972; published Apr. 24, 1923.

Kamenstein, Meyer, Brooklyn, N. Y. Washbollers. 172,630; Sept. 11; Serial No. 145,463; published May 29, 1923.

Kandle, Albert L., doing business as Muturo Mfg. Co., Richmond, Va. Hair tonic. 172,688; Sept. 11; Serial No. 158,047; published June 5, 1923.

Kasco Mills, Inc., Waverly, N. Y. Dairy feed and rations. 172,944; Sept. 11; Serial No. 158,872; published June 5, 1923.

Kaufman, J., & Sons, New York, N. Y. Boys' sport caps. 172,754; Sept. 11; Serial No. 175,499; published June 5, 1923.

Keeley Stove Company, The, Columbia, Pa. Cooking and heating stoves and ranges, furnaces, and hot-water heaters. 172,839; Sept. 11; Serial No. 178,393; published June 5, 1923.

Keely & Watson, New York, N. Y. Woolen piece goods. 172,617; Sept. 11; Serial No. 164,852; published June 5, 1923.

Kelly-Lester Milk Company, Philadelphia, Pa. Raw milk, raw cream, butter, milk, and cottage cheese. 172,610; Sept. 11; Serial No. 168,717; published June 5, 1923.

Kelsey Textile Corporation, New York, N. Y. Cotton piece goods. 172,909; Sept. 11; Serial No. 179,275; published June 5, 1923.

Keystone Perfmue Company. (See Vail Brothers.)

Kirschbraun & Sons, Inc., Omaha, Nebr. Butter. 172,621; Sept. 11; Serial No. 161,687; published June 5, 1923.

Kittle, A. F., doing business as A. F. Kittle & Co., Los Angeles, Calif. Canned fish, fruit, and vegetables. 172,871; Sept. 11; Serial No. 173,772; published June 5, 1923.

Kline, Edward A., doing business as E. A. Kline & Co., New York, N. Y. Cigars. 173,053; Sept. 11; Serial No. 176,632; published June 12, 1923.

Knapp Brothers Manufacturing Company, Chicago, Ill. Bull-nose corner beads, small-nose corner beads, rail corner beads, etc. 172,674; Sept. 11; Serial No. 174,082; published June 5, 1923.

Knight, Thomas J., doing business as Knight Drug Co., Plant City, Fla. Sorehead remedy for chickens. 172,687; Sept. 11; Serial No. 158,875; published May 8, 1923.

Knitted Textiles Corporation, New York, N. Y., and Allentown, Pa. Knitted fabrics in the piece and woven silk and cotton piece goods. 172,952; Sept. 11; Serial No. 174,311; published May 29, 1923.

Kondit Co., The, Chicago, Ill. Salted peanuts and almonds, peanut butter, olive oil, etc. 173,076; Sept. 11.

Krank, A. J., Mfg. Co., St. Paul, Minn. Shampoo. 172,609; Sept. 11; Serial No. 169,858; published June 5, 1923.

Krich, Max H., doing business as Krich Light & Electric Company, Newark, N. J. Glass lamp shades. 172,942; Sept. 11; Serial No. 159,321; published June 13, 1922.

Krueger-Tobin Co., Inc., New York, N. Y. Hosiery. 172,962; Sept. 11; Serial No. 175,087; published June 5, 1923.

Lake Mills Milk Company. (See Baumann, Carl A.)

Lasco Company. (See Stabler, Louis A.)

Laskin-Swatt Co., El Paso, Tex. Cotton and wool piece goods. 172,607; Sept. 11; Serial No. 170,145; published June 5, 1923.

Lavino, E. J., and Company, Philadelphia, Pa. Refractory cements. 172,588; Sept. 11; Serial No. 170,029; published June 5, 1923.

Lawrence, C. Harland, Taunton, Mass. Yarn spun with a mixture of cotton and wool. 172,924; Sept. 11; Serial No. 177,006; published May 29, 1923.

Lawrenceburg Roller Mills Co., Lawrenceburg, Ind. Self-rising flour. 172,601; Sept. 11; Serial No. 170,771; published June 5, 1923.

Lawrenceburg Roller Mills Co., Lawrenceburg, Ind. Scratch feed for poultry. 172,981; Sept. 11; Serial No. 174,314; published June 5, 1923.

Lea, Leander A., Bossier, La. Hair tonic. 172,791; Sept. 11; Serial No. 175,503; published June 5, 1923.

Lecithin Company, New York, N. Y. Medicinal composition for neurasthenic disorders. 173,048; Sept. 11; Serial No. 176,839; published June 12, 1923.

Lehman Brothers, Inc., New York: N. Y. Ladies' and misses' wearing apparel. 172,603; Sept. 11; Serial No. 170,656; published June 5, 1923.

Lehnhoff-Wyld, Frederic, Paris, France. Oxychloride of bismuth in camphorated solution. 172,880–1; Sept. 11; Serial No. 175,901–2; published May 29, 1923.

Lehr, Horace, doing business as H. Lehr & Co., Easton, Pa. Upright and grand pianos, player pianos, electric and reproducing pianos, and phonographs. 173,002; Sept. 11; Serial No. 177,494; published June 5, 1923.

Leolith Products Corporation, New York, N. Y. Wall board, shingles, tiles, etc. 172,682; Sept. 11; Serial No. 162,995; published June 5, 1923.

Levey, Samuel B., doing business as Wonder Products Company, Newark, N. J. Shampoo. 172,606; Sept. 11; Serial No. 170,172; published May 29, 1923.

Levi, Bert, & Co., Inc., New York, N. Y. Cotton piece goods. 172,923; Sept. 11; Serial No. 177,133; published May 29, 1923.

Lewis, Aaron L., doing business as A. L. Lewis Co., Canton, Ohio. Electrical fuse plugs. 173,079; Sept. 11.

Lewis, Florence N., doing business as Elizabeth Arden, New York, N. Y. Lip paste and lip pencils. 172,658; Sept. 11; Serial No. 174,842; published June 5, 1923.

Lewis, Florence N., doing business as Elizabeth Arden, New York, N. Y. Lip paste and pencils. 172,731; Sept. 11; Serial No. 174,470; published May 22, 1923.

Lewis, Florence N., doing business as Elizabeth Arden, New York, N. Y. Rouge and powder. 172,732; Sept. 11; Serial No. 174,469; published May 22, 1923.

Lewis, Florence N., doing business as Elizabeth Arden, New York, N. Y. Rouge or powder. 172,840; Sept. 11; Serial No. 177,856; published June 5, 1923.

Libisch, François, Paris, France. Perfumery, scents, toilet water, hair water and dyes, etc. 172,862; Sept. 11; Serial No. 170,982; published June 5, 1923.

Linton, Robert H., New York, N. Y. Woolen piece goods. 172,836; Sept. 11; Serial No. 178,930; published June 5, 1923.

Lionel Trading Co. Inc., New York, N. Y. Perfumes, toilet waters, face lotions, creams, and powders, etc. 172,673; Sept. 11; Serial No. 174,083; published May 29, 1923.

Lissauer & Company. (See Mirabeau, Marcel M.)

Loup Valley Hatchery, St. Paul and Cushing, Nebr. Live chickens. 172,822; Sept. 11; Serial No. 170,146; published May 1, 1923.

Lowell Company, The, New York, N. Y. Compacts for face powder. 172,705; Sept. 11; Serial No. 175,667; published May 29, 1923.

Lowrance, John W., assignor, by mesne assignments, to Mello-Glo Company, Boston, Mass. Cold cream, complexion powder, face powder, tooth paste, etc. 172,561; Sept. 11; Serial No. 171,427; published May 29, 1923.

Loyd, Creth J., doing business as C. J. Loyd & Co., Greensburg, Ind. Dressed poultry and eggs. 172,755; Sept. 11; Serial No. 175,255; published June 5, 1923.

Lungardia Company, Dallas, Tex. Laxatives. 172,877; Sept. 11; Serial No. 175,936; published May 29, 1923.

McComas & Goodwin, assignor to Vapor Lubricant Company, Los Angeles, Calif. Fuel intensifier and carbon preventive for internal-combustion engines. 172,692; Sept. 11; Serial No. 154,374; published May 8, 1923.

McDonagh, Wm., & Sons, New York, N. Y. Disinfectants. 172,794; Sept. 11; Serial No. 175,403; published June 5, 1923.

McNasby Oyster Co., Annapolis, Md. Raw oysters and oysters in the shell. 172,940; Sept. 11; Serial No. 155,269; published June 5, 1923.

Magee, Christopher, jr., Magnetic Springs, Ohio, administrator of the estate of Julia V. H. Magee, doing business as Park Hotel and Bath. Medicinal water. 172,832; Sept. 11; Serial No. 161,493; published May 29, 1923.

Majestic Manufacturing Company, St. Louis, Mo. Steamers, seamless steam kettles, copper-jacketed kettles, etc. 172,804; Sept. 11; Serial No. 152,763; published June 5, 1923.

Manchester Knitting Mills, Inc., Los Angeles, Calif. Men's, women's, and children's knitted and textile bathing suits. 172,657; Sept. 11; Serial No. 174,844; published June 5, 1923.

Manhattan Baking Powder Co., New York, N. Y. Cocoa, pudding, and cornstarch. 172,980; Sept. 11; Serial No. 174,316; published June 5, 1923.

Manufacturers Supplies Company, St. Louis, Mo. Threads. 172,834; Sept. 11; Serial No. 158,632; published June 5, 1923.

Manufacturing Jewelers Export Co., Inc., New York, N. Y. Articles of jewelry and personal adornment. 172,590; Sept. 11; Serial No. 169,680; published May 29, 1923.

Marshall, Clifford C., Vincennes, Ind. Medicinal ointment for the treatment of scalp and hair. 172,883; Sept. 11; Serial No. 175,877; published May 15, 1923.

Martin, W. & J., Glasgow, Scotland. Leather. 172,718; Sept. 11; Serial No. 175,148; published June 5, 1923.

Mauerbofer Söhne & Co., Trubschachen, near Langnau, Switzerland. Cheese and preserved cheese of Swiss origin. 172,769; Sept. 11; Serial No. 173,936; published June 5, 1923.

Maynard, Thomas P., doing business as The Evershine Company, Atlanta, Ga. Cleaning and polishing composition for furniture, woodwork, etc. 172,787; Sept. 11; Serial No. 164,447; published Dec. 19, 1922.

Mebane, Alexander D., Lockhart, Tex. Selected cottonseed. 173,014; Sept. 11; Serial No. 173,848; published June 5, 1923.

Mello-Glo Company. (See Lowrance, John W., assignor.)

Mende, Paul, Inc., New York, N. Y. Plaster. 172,979; Sept. 11; Serial No. 175,433; published June 12, 1923.

Metro Electrical Co., Inc., Newark, N J. Electrical telephone receivers. 173,004; Sept. 11; Serial No. 177,795; published June 5, 1923.

Midland Creamery Co. (See Perkins, William.)

Midland Flour Milling Co., The, Kansas City, Mo. Bran. 172,589; Sept. 11; Serial No. 169,368; published May 15, 1923.

Midland Flour Milling Co., The, Kansas City, Mo. Wheat flour. 172,759; Sept. 11; Serial No. 175,095; published June 5, 1923.

Milk Producers Association of Central California, Modesto, Calif. Butter. 172,595; Sept. 11; Serial No. 172,281; published June 5, 1923.

Miller, Howard A., doing business as The Homo Phone Co., Newark, N. J. Sound-record tablets and recording attachments for phonographs. 173,005; Sept. 11; Serial No. 177,797; published June 5, 1923.

Milliken, John T., & Company, doing business as Regent Laboratories, St. Louis, Mo. Medicinal oil used as a laxative, analgesic balm, castor oil, etc. 172,672; Sept. 11; Serial No. 174,093; published May 29, 1923.

Milwaukee Knitting Mills. (See Mirsky, I. M., & Son.)

Mirabeau, Marcel M., doing business as Lissauer & Company, New York, N. Y. Watchcases. 173,011; Sept. 11; Serial No. 178,765; published June 5, 1923.

Mirose Laboratories. (See Selkowitz, Isidor J.)

Mirsky, I. M., & Son, doing business as Milwaukee Knitting Mills, Milwaukee, Wis. Knitted and textile hosiery and underwear. 172,604; Sept. 11; Serial No. 170,591; published June 5, 1923.

Mitchell, Harry, Chicago, Ill. Cloth commonly known as serge and usually sold by the piece. 172,846; Sept. 11; Serial No. 176,492; published June 5, 1923.

Molatch, Allan O., New York, N. Y. Ointment for the cure and alleviation of piles, prolapse, fissure, etc. 172,722; Sept. 11; Serial No. 174,745; published May 22, 1923.

Mooney, Douglas & Pearson, Inc., New York, N. Y. Asphalt roofing, slate surfaced and talc surfaced. 172,778; Sept. 11; Serial No. 172,486; published June 5, 1923.

Moorhead Knitting Company, Harrisburg, Pa. Hosiery. 173,033; Sept. 11; Serial No. 174,404; published June 5, 1923.

Motor Curve Light Company, Delta, Colo. Electric lights and lighting fixtures for electric lights for motor cars. 173,006; Sept. 11; Serial No. 177,987; published June 5, 1923.

Mound City Bottling Company, St. Louis, Mo. Beverage sold as soft drinks and sirups for making same. 172,988; Sept. 11; Serial No. 173,845; published June 12, 1923.

Moviglass Company, Milford, Mass. Eyeglasses. 172,778; Sept. 11; Serial No. 144,095; published June 5, 1923.

Murdock, C. A., Mfg. Co., Kansas City, Mo. Food-flavoring extracts and coffee. 172,978; Sept. 11; Serial No. 175,805; published June 19, 1923.

Murdock, Wm. J., Co., Chelsea, Mass. Wireless apparatus. 172,825; Sept. 11; Serial No. 167,482; published June 5, 1923.

Murray Trading Co., Inc., The, New York, N. Y. Mercerized cotton pongee in the piece. 172,844; Sept. 11; Serial No. 176,908; published May 29, 1923.

Muturo Mfg. Co. (See Kandle, Albert L.)

Nasser and Coleman Company, Cleveland, Ohio. Insect powders or insecticides. 172,724; Sept. 11; Serial No. 174,744; published May 22, 1923.

Natchez Baking Company. (See Simon, Leo.)

National Bakeries, Inc., The, Tampa, Fla. Bread. 172,641; Sept. 11; Serial No. 159,763; published May 1, 1923.

Nebraska Mill & Elevator Co., North Platte, Nebr. Wheat flour. 172,758; Sept. 11; Serial No. 175,100; published June 5, 1923.

Netherlands Corporation For Oversea Trade, Inc., New York, N. Y. Sugar, rice, pepper, coffee, spices, and condiments. 172,989; Sept. 11; Serial No. 173,520; published June 5, 1923.

Netherlands Corporation For Oversea Trade, Inc., New York, N. Y. Sugar, rice, pepper, coffee, spices, and condiments. 172,990; Sept. 11; Serial No. 173,523; published June 5, 1923.

Neutrasol Products Corporation, New York, N. Y. Oils for preparing silk, wool, etc. for manufacture. 172,695; Sept. 11; Serial No. 177,988; published May 29, 1923.

Newman, Hardy & Co., also doing business as Parfait Powder Puff Co., Chicago, Ill. Powder puffs. 173,081; Sept. 11.

New York Girl Coat Co., New York, N. Y. Girls' coats. 172,859; Sept. 11; Serial No. 169,491; published June 5, 1923.

Noggle, S. W., doing business as The S. W. Noggle Company, Kansas City, Mo. Cake and pastry mixture. 172,736; Sept. 11; Serial No. 169,774; published May 1, 1923.

NoLance Chemical Company, New Brookland, S. C. Salves and ointments for boils, carbuncles, bone felons, etc. 172,704; Sept. 11; Serial No. 175,729; published May 29, 1923.

North American Mercantile Co., Inc., San Francisco, Calif. Canned fish, fruit, and vegetables. 173,035; Sept. 11; Serial No. 174,909; published June 5, 1923.

Northfield Flour Mills Company, Northfield, Minn. Wheat flour. 172,765; Sept. 11; Serial No. 174,630; published June 5, 1923.

Nu-Life Medicine Company. (See Spinks & McIlwain.)

Nuloid Corporation, Wilmington, Del., and New York, N. Y. Hard-rubber composition. 172,659; Sept. 11; Serial No. 174,668; published June 5, 1923.

Ohio Confection Company, The, Cleveland, Ohio. Candy. 172,786; Sept. 11; Serial No. 162,763; published June 5, 1923.

Oneal, J. W., Chemical Co., Adena, Ohio. Ointment used for colds, headache, sore throat, etc. 172,733; Sept. 11; Serial No. 174,257; published May 22, 1923.

Oneida Community, Limited, Oneida, N. Y. Silver-plated flatware, tableware, and cutlery. 172,853; Sept. 11; Serial No. 175,731; published May 29, 1923.

Orono Pulp & Paper Company, Bangor, Me. Wrapping paper. 173,043; Sept. 11; Serial No. 179,549; published June 5, 1923.

Otis Orchards Apple Company, Otis Orchards, Wash. Fresh apples. 172,770; Sept. 11; Serial No. 173,361; published June 5, 1923.

Otoy, C. M., & Co., Los Angeles, Calif. Fresh cantaloupes. 172,629; Sept. 11; Serial No. 153,687; published Aug. 22, 1922.

Owensboro Milling Co., Owensboro, Ky. Hen scratch, chick scratch, laying mash, dairy feed, and horse feed. 172,562; Sept. 11; Serial No. 170,895; published May 1, 1923.

Pacent Electric Company, New York, N. Y. Control dials for use with radio apparatus. 172,999; Sept. 11; Serial No. 177,241; published June 5, 1923.

Pacific Coast Biscuit Company, Seattle, Wash. Fancy cookies. 172,971; Sept. 11; Serial No. 174,854; published June 5, 1923.

Pacific Coast Rubber & Supply Co., San Francisco, Calif. Transmission lining. 173,066; Sept. 11.

Page, Percy E., New York, N. Y. Face powders and creams, perfumes, toilet waters, rouges, etc. 172,876; Sept. 11; Serial No. 175,941; published May 29, 1923.

Palmolive Company, The, Milwaukee, Wis. Face powder. 172,851; Sept. 11; Serial No. 175,942; published June 5, 1923.

Parfait Powder Puff Co. (See Newman, Hardy & Co.)

Parham-Lindsay Grocery Co., Chattanooga, Tenn. Wheat flour. 172,639; Sept. 11; Serial No. 162,048; published May 1, 1923.

Park Hotel and Bath. (See Magee, Christopher, jr.)

Parke, Davis & Company, Detroit, Mich. Hypodermic solutions. 172,850; Sept. 11; Serial No. 176,361; published June 5, 1923.

Parks-Belk Company. (See Southern Commercial Company.)

Parks & Parks, Inc., Troy, N. Y. Shoe brushes. 172,868; Sept. 11; Serial No. 173,527; published June 5, 1923.

Parks & Parks, Inc., Troy, N. Y. Shoe brushes. 172,869; Sept. 11; Serial No. 173,529; published June 5, 1923.

Parsons, Irving R., doing business as I. R. Parsons & Co., Chicago, Ill. Nail polish in powder form. 173,015; Sept. 11; Serial No. 176,912; published June 12, 1923.

Patch, E. L., Company, The, Stoneham, Mass. Skin lotion. 172,664; Sept. 11; Serial No. 174,482; published May 29, 1923.

Patton, John G., doing business as Cafe L'Aiglon, Philadelphia, Pa. Raw and cooked oysters and clams, cooked lobsters, scallops, etc. 172,774; Sept. 11; Serial No. 101,176; published June 5, 1923.

Peerless Folding Ladder Co. (See de Saussure, Frank M., jr.)

Peppie, D., and Co., Bainbridge, Ohio. Face lotion. 172,725; Sept. 11; Serial No. 174,669; published May 15, 1923.

Perfumeria Gal, Sociedad Anonima, Madrid, Spain. Toilet powders and handkerchief extracts. 172,737; Sept. 11; Serial No. 169,418; published Apr. 17, 1923.

Perkins, William, doing business as Midland Creamery Co., St. Louis, Mo. Butter. 172,985; Sept. 11; Serial No. 174,027; published June 5, 1923.

Peter Company, The, Houston, Tex. Eggs, butter, poultry, and pecans. 172,817; Sept. 11; Serial No. 172,434; published May 8, 1923.

Pettit & Bickford Company, Wayzata, Minn. Lever casings for bottoms of automobile bodies. 172,987; Sept. 11; Serial No. 173,981; published June 12, 1923.

Philipps Aktien-Gesellschaft, Frankfort-on-the-Main, Germany. Orchestrions, pianos, organs, etc. 172,694; Sept. 11; Serial No. 135,212; published May 29, 1923.

Pillsbury Flour Mills Company, Minneapolis, Minn. Flour made from wheat. 172,951; Sept. 11; Serial No. 174,334; published June 5, 1923.

Pitts, A. E., Shoe Co., The, Columbus, Ohio. Shoes. 172,815-16; Sept. 11; Serial Nos. 172,437-8; published June 5, 1923.

Pitts, A. E., Co., The, Columbus, Ohio. Shoes. 172,818; Sept. 11; Serial No. 172,436; published June 5, 1923.

Pitts, A. E., Shoe Co., The, Columbus, Ohio. Shoes. 172,929; Sept. 11; Serial No. 172,435; published June 5, 1923.

Planten, H., & Son, Inc., Brooklyn, N. Y. Haarlem oil in capsules. 172,752; Sept. 11; Serial No. 165,204; published May 22, 1923.

Plenge's Pharmacy, Inc., Charleston, S. C. Ant mats and containers. 172,748; Sept. 11; Serial No. 166,695; published May 29, 1923.

Pohlman, John W., doing business as J. W. Pohlman Co., Indianapolis, Ind. Brake linings. 173,082; Sept. 11.

Powell, Samuel S., Winterset, Iowa. Insecticide for fowls. 172,949; Sept. 11; Serial No. 174,409; published June 5, 1923.

Prina, Frank R., Corporation, The, New York, N. Y. Wheat flour. 172,648; Sept. 11; Serial No. 149,352; published May 1, 1923.

Pulliam, Clarence, Detroit, Mich. Frozen ice-cream dainties. 173,003; Sept. 11; Serial No. 177,572; published May 29, 1923.

Quaker Oats Company, The, Chicago, Ill. Poultry feed. 172,671; Sept. 11; Serial No. 174,106; published May 15, 1923.

Quaker Oats Company, The, Chicago, Ill. Poultry feed. 172,760; Sept. 11; Serial No. 174,921; published June 5, 1923.

Quaker Oats Company, The, Chicago, Ill. Wheat flour. 172,761; Sept. 11; Serial No. 174,920; published June 5, 1923.

Quaker Oats Company, The, Chicago, Ill. Rolled oats and wheat food. 172,768; Sept. 11; Serial No. 174,335; published June 5, 1923.

Quaker Oats Company, The, Chicago, Ill. Wheat flour. 172,801; Sept. 11; Serial No. 174,107; published May 15, 1923.

Quaker Oats Company, The, Chicago, Ill. Rolled oats and oatmeal. 172,969; Sept. 11; Serial No. 174,915; published June 5, 1923.

Quaker Oats Company, The, Chicago, Ill. Horse feed. 172,983; Sept. 11; Serial No. 174,104; published June 5, 1923.

Quaker Oats Company, The, Chicago, Ill. Rolled oats. 173,012; Sept. 11; Serial No. 173,983; published June 5, 1923.

Quaker Oats Company, The, Chicago, Ill. Mixed stock feed. 173,028; Sept. 11; Serial No. 174,101; published June 5, 1923.

Quaker Oats Company, The, Chicago, Ill. Horse feed. 173,029; Sept. 11; Serial Nos. 174,103-4; published June 5, 1923.

Quaker Oats Company, The, Chicago, Ill. Stock feed. 173,030; Sept. 11; Serial No. 174,105; published June 5, 1923.

Quality Specialty Company, Worcester, Mass. Salad dressings, mayonnaise dressings, horseradish relishes, and mustard relishes. 172,864; Sept. 11; Serial No. 172,393; published June 5, 1923.

Quinn Reade Motor Vehicle Fender Co., Quebec, Canada, and New York, N. Y. Automobile bumpers and parts therefor. 172,829; Sept. 11; Serial No. 165,821; published June 5, 1923.

Reading Textiles. (See Wetherhold, William R.)

Recto Manufacturing Co., The, Cincinnati, Ohio. Automobile spark timers. 172,652; Sept. 11; Serial No. 140,069; published Mar. 14, 1922.

Redfern Medicine Company. (See Gebhart, Edgar S.)

Red Star Milling Company, The, Wichita, Kans. Wheat flour. 172,991; Sept. 11; Serial No. 173,242; published June 5, 1923.

Reed & Barton Corporation, Taunton, Mass. Alcohol fuel cubes. 172,693; Sept. 11; Serial No. 145,713; published May 22, 1923.

Reese, Edward, doing business as Standard Crystal Company, Newark, N. J. Detector crystals used in wireless receiving sets. 172,803; Sept. 11; Serial No. 172,494; published June 5, 1923.

Regent Laboratories. (See Milliken, John T., & Company.)

Rheinauer-Roth Knitting Mills, Inc., New York, N. Y. Knitted piece goods of wool, worsted, fiber silk, etc. 172,903; Sept. 11; Serial No. 177,692; published June 5, 1923.

Rich, E. C., Inc., New York, N. Y. Gelatin. 172,624; Sept. 11; Serial No. 159,105; published July 25.

Rigaud, Henri, doing business as Rigaud, Paris, France, and New York, N. Y. Perfume, toilet water, face and talcum powders, etc. 172,809; Sept. 11; Serial No. 175,025; published June 5, 1923.

Ritestone Products Corporation, New York, N. Y. Stucco and composition of a cementitious nature for making flooring. 172,914; Sept. 11; Serial No. 178,628; published June 5, 1923.

Root, A. I., Co., The, Medina, Ohio. Beehives and comb foundations. 172,654; Sept. 11; Serial No. 128,133; published June 5, 1923.

Rose Cerate Company. (See Buchanan, E. Everett, jr.)

Rosenberg, Louis F., doing business as The "Rosilk" Company, Providence, R. I. Silk thread for stringing pearls and beads. 172,896; Sept. 11; Serial No. 178,933; published May 29, 1923.

"Rosilk" Company. (See Rosenberg, Louis F.)

Ross Company, New York, N. Y. Preparation for treating the eyebrows and eyelashes. 173,052; Sept. 11; Serial No. 176,764; published June 12, 1923.

Rostold, Pauline, New York, N. Y. Infants' and children's dresses, rompers, overslips, and petticoats. 173,026; Sept. 11; Serial No. 172,558; published June 5, 1923.

Rothschild & Company, Chicago, Ill. Pearl necklaces. 172,845; Sept. 11; Serial No. 176,503; published May 29, 1923.

Roubaix Mills, Inc., Clinton, Mass., and New York, N. Y. Piece goods made of wool. 172,898; Sept. 11; Serial No. 179,167; published June 5, 1923.

Rover Company, Limited, Coventry, England. Motor cars, bicycles, tricycles. 172,992; Sept. 11; Serial No. 173,009; published June 12, 1923.

Ruwe, Edgar C., Company, Inc., New York, N. Y. Envelopes and paper. 172,691; Sept. 11; Serial No. 154,889; published June 5, 1923.

Salomon, David I., doing business as David I. Salomon Silk Co., New York, N. Y. Silk piece goods. 172,930; Sept. 11; Serial No. 172,397; published June 26, 1923.

Salt's Textile Manufacturing Company, The, Bridgeport, Conn., and New York, N. Y. Underwear of textile fabric. 172,842; Sept. 11; Serial No. 168,376; published June 5, 1923.

Salt's Textile Manufacturing Company, Bridgeport, Conn. Underwear of textile fabric. 172,856; Sept. 11; Serial No. 168,379; published June 5, 1923.

Salt's Textile Manufacturing Company, The, Bridgeport, Conn., and New York, N. Y. Underwear of textile fabric. 172,857; Sept. 11; Serial No. 168,380; published June 5, 1923.

Salwen, D., & Co. Inc., New York, N. Y. Boys' stockings. 173,032; Sept. 11; Serial No. 174,338; published June 5, 1923.

Sampedro, Anibal, Mexico, Mexico. Perfumes and hair tonics. 172,581; Sept. 11; Serial No. 171,138; published May 22, 1923.

Sana-Cutis (Chemical) Co. (See Flores, Rodolfo.)

Sanas Company, The. (See Schaupner, Philip.)

Sandvikens Jernverks Aktiebolag, Sandviken, Sweden. Hardened and tempered steel bands. 172,838; Sept. 11; Serial No. 178,873; published June 5, 1923.

Sandvikstahl G. m. b. H., Ohligs, Germany. Razor blades. 172,820; Sept. 11; Serial No. 171,243; published June 5, 1923.

Saxon Perfume Company, The, Cincinnati, Ohio. Toilet waters, shampoos, hair tonics, etc. 172,587; Sept. 11; Serial No. 170,039; published June 5, 1923.

Sayre-Level Radio Company, The, Philadelphia, Pa. Radio apparatus and parts thereof. 172,790; Sept. 11; Serial No. 175,740; published June 5, 1923.

Scat Chemical Company. (See Wilson, Wade H.)

Schaupner, Philip, doing business as The Sanas Company, Inc., Detroit, Mich. Laxative powders. 172,882; Sept. 11; Serial No. 175,889; published May 15, 1923.

Scherk, Ludwig, Berlin, Germany. Perfumery, face cream and lotion, rouge, etc. 173,087; Sept. 11.

Schiffman, Isadore, New York, N. Y. Articles of jewelry of precious metal. 172,950; Sept. 11; Serial No. 174,369; published May 29, 1923.

Schindel & McDaniels, New York, N. Y. Bed sheets, spreads, and pillowcases. 172,841; Sept. 11; Serial No. 177,521; published June 5, 1923.

Schlater's, Incorporated, Philadelphia, Pa. Bread, cakes, and pies. 172,686; Sept. 11; Serial No. 158,902; published May 15, 1923.

Schoepfer, Maurice, Paris, France. Perfumes, extracts, toilet water, rice powders, etc. 172,710; Sept. 11; Serial No. 175,524; published May 15, 1923.

Schultheiss, Ernest, doing business as Atlas Rubber Company, New York, N. Y. Rubber hose. 172,584; Sept. 11; Serial No. 170,794; published June 5, 1923.

Schwarzenbach Huber Company, The, West Hoboken, N. J. Silk piece goods. 172,973; Sept. 11; Serial No. 174,412; published June 5, 1923.

Scranton Cap Manufacturing Company, Scranton, Pa. Men's and boys' hats and caps. 172,795; Sept. 11; Serial No. 175,214; published June 5, 1923.

Scully, D. B., Syrup Company, Chicago, Ill. Sirup for table purposes. 172,872; Sept. 11; Serial No. 173,786; published June 5, 1923.

Selbach, Max, Pforzheim-Dillstein, Germany. Strings for violins and similar musical instruments. 172,863; Sept. 11; Serial No. 171,287; published June 5, 1923.

Selkowitz, Isidor J., doing business as Mirose Laboratories, New York, N. Y. Hair tonic, complexion powder, depilatory, etc. 172,685; Sept. 11; Serial No. 159,628; published May 29, 1923.

Shane, C. B., Co., Chicago, Ill. Raincoats and topcoats. 172,961; Sept. 11; Serial No. 175,110; published June 5, 1923.

Shapero, Lewis & Co., New York, N. Y. Dresses. 172,861; Sept. 11; Serial No. 170,551; published June 5, 1923.

Shaw, Arthur H., Wellesley, Mass. Live poultry and eggs. 172,643; Sept. 11; Serial No. 157,855; published May 1, 1923.

Shoemaker, Flora H., doing business as The Frostilla Company, Elmira, N. Y. Lotions for the treatment of the skin. 172,793; Sept. 11; Serial No. 175,451; published June 5, 1923.

Shotwell's Inc., Houston, Tex. Children's clothing—namely, suits, overcoats, mackinaws, etc. 172,783; Sept. 11; Serial No. 158,403; published June 5, 1923.

Shreveport Chemical Company, Shreveport, La. Material used to hasten the setting and lower the freezing point of cement. 173,071; Sept. 11.

Sifo Products Company, St. Paul, Minn. Shingle strips. 172,689; Sept. 11; Serial No. 155,836; published June 5, 1923.

Simon, Leo, doing business as Natchez Baking Company, Natchez, Miss. Fruit cake. 172,554; Sept. 11; Serial No. 169,987; published May 1, 1923.

Sisco Bros. Candy Co., Chicago, Ill. Candy. 172,823; Sept. 11; Serial No. 168,493; published Apr. 24, 1923.

Smith, Hogg & Co., New York, N. Y. Cotton piece goods. 172,905; Sept. 11; Serial No. 176,224; published June 26, 1923.

Smith, Kline & French Co., Philadelphia, Pa. Acetylsalicylic acid. 172,959; Sept. 11; Serial No. 175,168; published May 29, 1923.

Smith, Phoebe, Detroit, Mich. Lamp shades. 172,655; Sept. 11; Serial No. 174,980; published June 5, 1923.

Societa Italiana di Fonotipia, Milan, Italy. Talking machines and talking-machine records. 172,860; Sept. 11; Serial No. 170,045; published June 5, 1923.

Solon Palmer, New York, N. Y. Perfume, toilet water, and complexion powder. 172,714; Sept. 11; Serial No. 175,368; published May 22, 1923.

Southern California Cosmetic Mfg. Co. (See Cromwell, Robert H.)

Southern Commercial Company, doing business as Parks-Belk Company, Durham, N. C. Hair nets. 172,916; Sept. 11; Serial No. 178,364; published May 29, 1923.

Spear & Susskind, Providence, R. I. Vest chains, lapel or coat chains, key chains, bracelet chains, etc. 172,886; Sept. 11; Serial No. 175,818; published May 29, 1923.
Sperry Flour Co., San Francisco, Calif. Wheat flour. 172,638; Sept. 11; Serial No. 163,294; published Jan. 30, 1923.
Spinks & McIlwain, also doing business as Nu-Life Medicine Company, Selma, Ala. Liver, kidney, and stomach medicine. 172,592; Sept. 11; Serial No. 168,736; published May 8, 1923.
Spratt's Patent Limited, London, England. Milk food in powder form for dogs and cats. 172,947; Sept. 11; Serial No. 153,858; published June 5, 1923.
Springfield Seed Company, Springfield, Mo. Agricultural and grass seeds. 173,063; Sept. 11; Serial No. 176,431; published June 12, 1923.
Stabler, Louis A., doing business as The Lasco Company, Ltd., Baltimore, Md. Oil paint, linseed oil, floor wax, etc. 172,628; Sept. 11; Serial No. 154,287; published Apr. 3, 1923.
Stafford, George A., doing business as G. A. Stafford & Co., New York, N. Y. Woven cotton fabrics in the piece. 172,631; Sept. 11; Serial No. 135,736; published June 5, 1923.
Standard Crystal Company. (See Reese, Edward.)
Standard Homeopathic Company. (See Hyland, George H.)
Standard Oil Company, Whiting, Ind., and Chicago, Ill. Petrolatum. 172,712; Sept. 11; Serial No. 175,414; published May 15, 1923.
Standard Oil Company of New York, New York, N. Y. Petroleum and products of petroleum. 173,064; Sept. 11.
Stauffer Chemical Company, San Francisco, Calif. Chemical fungicide. 172,702; Sept. 11; Serial No. 175,820; published May 29, 1923.
Stemmler, Theodore W., doing business as Evonol Laboratories, New York, N. Y. Preparation for use in the treatment of inflamed eyes. 172,558; Sept. 11; Serial No. 171,576; published Apr. 17, 1923.
Stemmler, Theodore W., doing business as Evonol Laboratories, New York, N. Y. Preparation for inflammatory conditions. 172,559; Sept. 11; Serial No. 171,575; published Apr. 17, 1923.
Stevens, Estella, doing business as Madame Stevens, Orlando, Fla. Hair grower. 172,677; Sept. 11; Serial No. 165,042; published May 8, 1923.
Stewart, William H., New York, N. Y. Woolen fabrics. 172,855; Sept. 11; Serial No. 175,629; published June 5, 1923.
Storms, H. M., Company, Brooklyn, N. Y. Carbon paper. 172,627; Sept. 11; Serial No. 154,850; published May 29, 1923.
Strachan, James F., Montreal, Quebec, Canada. Bread, crackers, and muffins. 172,935; Sept. 11; Serial No. 163,606; published June 5, 1923.
Straubel, C. A., Co., Green Bay, Wis. Cheese. 172,642; Sept. 11; Serial No. 157,857; published Apr. 3, 1923.
Sturges Company, The, Meridian, Miss. Horse and mule feed. 172,743; Sept. 11; Serial No. 168,079; published May 1, 1923.
Sun Drug Company, The, Los Angeles, Calif. Wood and other alcohols, acetic acid, etc. 172,649; Sept. 11; Serial No. 139,634; published Mar. 27, 1923.
Super Cement (America) Company, Limited, Toronto, Canada. Portland cements. 173,072; Sept. 11.
Susquehanna Silk Mills, New York, N. Y. Silk piece goods. 172,762; Sept. 11; Serial No. 174,868; published Apr. 17, 1923.
Sweet, Dominick, doing business as The Sweet Manufacturing Company, Pittsburgh, Pa. Medicines and toilet preparations. 172,678; Sept. 11; Serial No. 164,776; published May 8, 1923.
Swift, G. A., Selma, Ala. Digestant compound. 172,709; Sept. 11; Serial No. 175,531; published May 15, 1923.
Symns Grocer Co., The, Atchison, Kans. Canned fruits, vegetables, and fish. 173,017; Sept. 11; Serial No. 173,152; published June 5, 1923.
Syracuse Glass Company, Syracuse, N. Y. Plate glass, mirror glass, and crystal sheeting. 173,007; Sept. 11; Serial No. 178,007; published June 5, 1923.
Tacoma Biscuit & Candy Company, Tacoma, Wash. Candy. 172,766; Sept. 11; Serial No. 174,600; published June 5, 1923.
Takamine Laboratory, Inc., Clifton, N. J. Enzyme substances of vegetable fungus. 172,650; Sept. 11; Serial No. 147,806; published Apr. 24, 1923.
Tallqvist, Theodor W., Helsingfors, Finland. Hemoglobin scales. 172,729; Sept. 11; Serial No. 174,542; published May 29, 1923.
Taylor, Arthenia, Jeffersonville, Ind. Hair grower, hair tonic, shampoo, tetter salve, etc. 172,598; Sept. 11; Serial No. 171,517; published June 5, 1923.
Tecla, M., & Co., New York, N. Y. Pearl necklaces. 172,612; Sept. 11; Serial No. 167,958; published May 29, 1923.
Tetralin-Gesellschaft mit beschränkter Haftung, Berlin, Germany. Wood and food preservatives, photographic chemicals, dyestuffs, dyes, etc. 172,777; Sept. 11; Serial No. 142,042; published June 5, 1923.
Thomas-Boyce Direct Feed Company, Attica, N. Y. Poultry, scratch, chicken, hog, dairy, and horse feed, calf meal, egg mash, etc. 172,749; Sept. 11; Serial No. 165,895; published May 1, 1923.
Thompson, John R., Co., Chicago, Ill. Canned vegetables. 172,810; Sept. 11; Serial No. 175,031; published June 5, 1923.
Tonsitol Laboratories. (See Bariscillo, John J.)
Toomey, D. J., Produce Co., Spearfish, S. Dak., and Newcastle, Wyo. White and Graham flour. 173,031; Sept. 11; Serial No. 174,188; published June 5, 1923.
Travis, Romaine & Jelle, Inc., New York, N. Y. Silk, artificial silk, wool piece goods and combinations thereof. 172,660; Sept. 11; Serial No. 174,543; published May 29, 1923.
Tricco Chemical Co. (See Garrett, Ralph C.)
Trichitone Laboratories. (See Askinn, Morris H.)
Tubbs Cordage Company, San Francisco, Calif. Manila rope. 172,807; Sept. 11; Serial No. 143,107; published June 21, 1921.
Tuckett, H. A., Company, Salt Lake City, Utah. Spices, flavoring essences for food, extracts, etc. 172,785; Sept. 11; Serial No. 162,075; published June 5, 1923.
Turner, Alfred S., doing business as Turner Brothers, Bladen, Nebr. Weatherproof and waterproof glass cloth. 173,086; Sept. 11.
Turner & Walls, New York, N. Y. Silks, cotton, wool, and mixtures thereof in the piece and shirtings in the piece. 172,925; Sept. 11; Serial No. 176,928; published May 29, 1923.
Typke & King, Ltd., Mitcham Common, Surrey, England. Antimony, cadmium sulphides, arsenic sulphides, chrome oxides, etc. 172,753; Sept. 11; Serial No. 165,168; published Apr. 24, 1923.
U. S. Manufacturing Corporation, Decatur, Ill. Implements for killing and disabling insects, flies, and the like. 172,577; Sept. 11; Serial No. 172,453; published June 5, 1923.
U. S. Manufacturing Corporation, Decatur, Ill. Fly swatters. 172,889–91; Sept. 11; Serial Nos. 175,686–8; published June 5, 1923.
Ulmann, Bernhard, Co. Inc., New York, N. Y. Yarn, thread for art needlework, embroidery, crocheting, etc. 172,843; Sept. 11; Serial No. 177,421; published June 5, 1923.
Ulmann, Bernhard, Co. Inc., New York, N. Y. Yarns for knitting, crocheting, and art needlework. 172,848; Sept. 11; Serial No. 176,380; published June 5, 1923.
Ulmann, Bernhard, Co. Inc., New York, N. Y. Yarns for knitting, crocheting, and art needlework. 172,849; Sept. 11; Serial No. 176,378; published June 5, 1923.
United Alfalfa Co., Omaha, Nebr. Stock and poultry feed. 172,618–19; Sept. 11; Serial Nos. 162,783–4; published June 5, 1923.
United Chemical Companies, Kansas City, Mo. Cleanser, disinfectant, and deodorizer. 172,798; Sept. 11; Serial No. 174,546; published June 5, 1923.
United States Gypsum Company, Chicago, Ill. Calcined gypsum wall plasters. 172,927; Sept. 11; Serial No. 176,514; published June 5, 1923.
United States Portland Cement Company, The, Denver, Colo. Portland cement. 172,913; Sept. 11; Serial No. 178,642; published June 5, 1923.
United States Refractories Co., San Luis Obispo, Calif. Bricks. 172,921; Sept. 11; Serial No. 177,254; published June 5, 1923.
Utility Service Association, Chicago, Ill. Toilet-paper cabinets. 172,644; Sept. 11; Serial No. 157,050; published May 29, 1923.
Vail Brothers, doing business as Keystone Perfume Company, Philadelphia, Pa. Bay rum. 172,593; Sept. 11; Serial No. 168,341; published June 5, 1923.
Vegatol Products Company, San Francisco, Calif. Laxative crackers. 172,653; Sept. 11; Serial No. 137,751; published Jan. 30, 1923.
Victory Sparkler & Specialty Co., Elkton, Md. Repeating cap pistols, grasshoppers, and canary songsters. 172,679; Sept. 11; Serial No. 164,527; published Jan. 9, 1923.
Vinco Herb Company. (See Clegg, Sherman D.)
Vita Rice Products Co., Willows, Glenn County, Calif. Preparation made from rice. 172,945; Sept. 11; Serial No. 155,841; published May 1, 1923.
Vitro Manufacturing Company, The, Pittsburgh, Pa. Oxides of cobalt, chromium, selenium, etc. 172,975; Sept. 11; Serial No. 176,234; published June 12, 1923.
Vivaudou, V., Inc., New York, N. Y. Face powders and creams, perfumes, etc. 172,710–17; Sept. 11; Serial Nos. 175,284–5; published May 22, 1923.
Voss & Stern, New York, N. Y. Cotton and silk mixture piece goods. 172,622; Sept. 11; Serial No. 160,315; published June 5, 1923.
Voss & Stern, New York, N. Y. Cotton and silk mixture piece goods. 172,623; Sept. 11; Serial No. 160,313; published June 5, 1923.
Voss & Stern, New York, N. Y. Cotton piece goods. 172,941; Sept. 11; Serial No. 160,323; published June 19, 1923.
Walnott Knitting Company, Utica, N. Y. Infants' wrappers. 172,599; Sept. 11; Serial No. 171,049; published June 5, 1923.
Walnut Growers Spray Manufacturing Company, Los Angeles, Calif. Insecticide. 172,751; Sept. 11; Serial No. 165,435; published May 22, 1923.

Wampole, Henry K., and Company, Incorporated, Philadelphia, Pa. Hypnotic medicines. 172,728; Sept. 11; Serial No. 174,547; published May 22, 1923.
Washington Radio Corp., Washington, D. C. Radio sets and parts thereof. 172,830; Sept. 11; Serial No. 164,617; published June 5, 1923.
Water-Witch Company, Lake Odessa, Mich. Artificial fish baits. 173,044; Sept. 11; Serial No. 176,929; published June 12, 1923.
Watson, Dan L., Georgiana, Ala. Medicines for kidney troubles, rheumatism, headaches, etc. 172,651; Sept. 11; Serial No. 143,466; published May 22, 1923.
Watson, Lee M., Boston, Mass. Chemical compounds, etc., for use in producing varying colors in burning fuel. 172,645–6; Sept. 11; Serial Nos. 157,396–7; published Apr. 17, 1923.
Watt, James A. D., London, England. Safety razors and blades thereof. 172,828; Sept. 11; Serial No. 166,758; published June 5, 1923.
Wauregan Company, The, Wauregan, Conn., and Providence, R. I. Cotton fabrics and silk fabrics in the piece. 172,994; Sept. 11; Serial No. 176,517; published June 5, 1923.
Webster Cider & Vinegar Co. (See Hinchliffe, Alfred W.)
Weisberg, Benjamin, Philadelphia, Pa. Neckties. 172,800; Sept. 11; Serial No. 174,502; published June 5, 1923.
Weldene Manufacturing Company, Chicago, Ill. Solder. 172,806; Sept. 11; Serial No. 149,048; published June 5, 1923.
Wetherbold, William R., doing business as Reading Textiles, Reading, Pa. Hosiery for men and women. 173,019; Sept. 11; Serial No. 173,062; published June 5, 1923.
Williams, D. S., doing business as Williams Brothers & Company, Wilkes-Barre, Pa. Canned vegetables, canned milk, catchup, flavoring extracts, and mincemeat. 172,640; Sept. 11; Serial No. 161,077; published May 1, 1923.
Willows, Francis, Butler & Thompson, Limited, London, England, and The Plains, Va. Remedy for worms in dogs. 172,594; Sept. 11; Serial No. 167,113; published May 29, 1923.
Wilson, John M., San Diego, Calif. Dental anæsthetic. 173,051; Sept. 11; Serial No. 176,775; published June 12, 1923.
Wilson, M. D., Dunning S. French Lick, Ind. Bread. 172,831; Sept. 11; Serial No. 165,050; published May 8, 1923.
Wilson, Wade H., doing business as Scat Chemical Company, Jacksonville, Fla. Medicinal preparation for the treatment of the nerves, kidneys, etc. 172,982; Sept. 11; Serial No. 174,116; published June 12, 1923.
Wilton Manufacturing Company, Inc., New York, N. Y. Cotton piece goods. 172,907–8; Sept. 11; Serial No. 179,288–9; published June 5, 1923.
Wolcott, Herbert, doing business as Judee Laboratories, Red Bank, N. J. Medicinal preparation to be used as a prophylactic, antiseptic, and germicide. 172,893; Sept. 11; Serial No. 175,588; published May 15, 1923.
Wolf Brothers, Philadelphia, Pa. Window envelopes. 172,897; Sept. 11; Serial No. 178,942; published June 5, 1923.
Wolf, Helen E., New York, N. Y. Ladies' and children's dresses. 173,015; Sept. 11; Serial No. 173,803; published June 5, 1923.
Wolfson, I. D., Inc., New York, N. Y. Neckties. 172,600; Sept. 11; Serial No. 171,005; published June 5, 1923.
Wonder Medicine Company, Atlanta, Ga. Medicinal tonic. 172,580; Sept. 11; Serial No. 172,313; published May 8, 1923.
Wonder Products Company. (See Levey, Samuel B.)
Zabriskie, George A., New York, N. Y. Wheat flour. 172,613; Sept. 11; Serial No. 167,155; published June 5, 1923.
Zagat Inc., New York, N. Y. Laxative. 172,966; Sept. 11; Serial No. 175,047; published June 5, 1923.

ALPHABETICAL LIST OF REGISTRANTS OF LABELS.

Amberg, Louis, & Son, New York, N. Y. Baby Peggy. For Dolls. 26,363; Sept. 11.
Ant-Roach Powder Company, Newark, N. J. Ant-Roach Powder. For Containers Containing an Insect Exterminator. 26,364; Sept. 11.
Ant-Roach Powder Company, Newark, N. J. Anti-Roach Powder. For Containers Containing a Roach Exterminator. 26,365; Sept. 11.
Atlas Candy Company, St. Louis, Mo. Rainbow-Sundae. For Ice-Cream Tops and Cake Icing. 26,366; Sept. 11.
Bunte Brothers, Chicago, Ill. A Little Of Everything. For Chocolates. 26,367; Sept. 11.
Cleanse-All Company, Wilmington, N. C. Cleanse-All. For a Cleaning Preparation Made from Certain Pine Products. 26,368; Sept. 11.
Dastin, M. & D., New York, N. Y. Flower Garcia. For Cigars. 26,369; Sept. 11.
Davis-Reece Co., Inc., Brooklyn, N. Y. Tiny Pops. For Stick Candy. 26,370; Sept. 11.
Farmers Union Creamery Assn. Inc. (See Menasha Printing and Carton Company, assignor.)
Frank Pure Food Company, The, Milwaukee, Wis. Frank's Quality Sauerkraut. For Canned Sauerkraut. 26,371; Sept. 11.
French Bros.-Bauer Company. (See Menasha Printing and Carton Company, assignor.)
Haas, Geo., & Sons, San Francisco, Calif. Old Mission Toffee. For Toffee Candy. 26,372; Sept. 11.
Holland Bread Company. (See Menasha Printing and Carton Company, assignor.)
I. & P. Products Co., Brooklyn, N. Y. Carnation Brand Malt Syrup. For Malt Sirup. 26,373; Sept. 11.
Kutner-Goldstein Co., San Francisco, Calif. Fleur De Lis. For Sulphur. 26,374; Sept. 11.
Levison, Ben, doing business as Levison & Wilson, San Francisco, Calif. Mah Deuck. For a Game. 26,375; Sept. 11.
Mar-Son Medicine Co., St. Louis, Mo. Mar-Son Preparation. For Tooth Paste. 26,376; Sept. 11.
Maywood Packing Company, Corning, Calif. Maywood. For Canned Olives. 26,377; Sept. 11.
Melodew Corporation, New York, N. Y. Melodew Prepared Liquid Choclet. For Chocolate. 26,378; Sept. 11.
Menasha Printing and Carton Company, Menasha, Wis., assignor to Holland Bread Company, Columbus, Ohio. Holland's Raisin Bread. For Bread. 26,379; Sept. 11.
Menasha Printing and Carton Company, Menasha, Wis., assignor to Farmers Union Creamery Assn. Inc., Maysville, Ky. Reall-Good Butter. For Butter. 26,380; Sept. 11.
Menasha Printing and Carton Company, Menasha, Wis., assignor to The French Bros.-Bauer Company, Cincinnati, Ohio. Clover Blossom Butter. For Butter. 26,381; Sept. 11.
Menasha Printing and Carton Company, Menasha, Wis., assignor to Topaz Dairy, Hastings, Nebr. Topaz Dairy. For Butter. 26,382; Sept. 11.
Menasha Printing and Carton Company, Menasha, Wis., assignor to The Reynolds Baking Company, Columbus, Ohio. Betsy Ross. For Bread. 26,383; Sept. 11.
Menasha Printing and Carton Company, Menasha, Wis. Piper's Ice Cream. For Ice Cream. 26,384; Sept. 11.
Ono Trading Co. (See Tatsukawa, Naosaburo.)
Pabst Corporation, Milwaukee, Wis. Pabst Sheboygan. For Ginger Ale. 26,385; Sept. 11.
Parry Vegetable Compound Co., The, Mansfield, Ohio. Parry's Vegetable Compound. For Vegetable Compound. 26,386; Sept. 11.
Reynolds Baking Company, The. (See Menasha Printing and Carton Company, assignor.)
Schulz, Frank R., St. Louis, Mo. Marvel. For a Luting Composition. 26,387; Sept. 11.
Tatsukawa, Naosaburo, doing business as Ono Trading Co., San Francisco, Calif. "Blue Flag" Brand White Meat Tuna. For Canned Tunna Fish. 26,388; Sept. 11.
Topaz Dairy. (See Menasha Printing and Carton Company, assignor.)

ALPHABETICAL LIST OF REGISTRANTS OF PRINTS.

Apex Electrical Manufacturing Company, The, Cleveland, Ohio. Half past eight-Ten O'clock. For Domestic Labor-Saving Devices, Particularly Ironers. 6,877; Sept. 11.

Feder, David H., doing business as Progressive Sales & Paint Company, Chicago, Ill. Stop Your Own Roof Leaks With Feder's Jiffy Easy Roof Repair Outfit. For Roof-Repair Outfits. 6,878; Sept. 11.

Good-Grape Company, The, Chattanooga, Tenn. Cap'n. Grapejack. For Nonalcoholic, Noncereal, Maltless Beverages. 6,879; Sept. 11.

Hinds, A. S., Co., Portland, Me. Hinds Honey and Almond Cream. For Honey and Almond Cream. 6,880; Sept. 11.

National Acme Company, The, Cleveland, Ohio. Gridley. For Metal-Working Machines and Tools. 6,881; Sept. 11.

Palmolive Company, The, Milwaukee, Wis. My wife asked me to do this. For Palmolive Shampoo. 6,882; Sept. 11.

Progressive Sales & Paint Company. (See Feder, David H.)

Squibb, E. R., & Sons, New York, N. Y. Why not Both In One? For Dental Cream. 6,883; Sept. 11.

Squibb, E. R., & Sons, New York, N. Y. The Priceless Ingredient. For Drugs. 6,884; Sept. 11.

Squibb, E. R., & Sons, New York, N. Y. Different from all other tooth pastes. For Dental Cream. 6,885; Sept. 11.

Standard Oil Company (New Jersey), Bayonne, N. J. Esso. For Petroleum, Gasoline, Refined Oils, Lubricating Oils, Greases, and Other Petroleum Products. 6,886; Sept. 11.

Standard Thermometer Co., Boston, Mass. Put your name on my face. For Thermometers. 6,887; Sept. 11.

ALPHABETICAL LIST OF TRADE-MARK APPLICANTS.

PUBLISHED FOR OPPOSITION.

[Act of Feb. 20, 1905, Sec. 6, as amended Mar. 2, 1907.]

Abraham & Straus, Inc., New York, N. Y. Coffee. 182,282; Sept. 11.

Abraham & Straus, Inc., New York, N. Y. Toy automobiles. 183,016; Sept. 11.

Acme White Lead & Color Works, Hamtramck, Mich. Paints, stains, varnishes, etc. 160,915; Sept. 11.

Adamite Filtration Co. Inc., Brooklyn, N. Y. Filtration materials. 182,326; Sept. 11.

Agrilin Chemical Company, The, Wilmington, Del., and New York, N. Y. Laxative. 181,970; Sept. 11.

Alsua, F. S., Company, Inc., El Paso, Tex. Coffee. 156,672; Sept. 11.

Alb. & E. Henkels, Inc., New York, N. Y. Laces and upholstery goods. 169,210–1; Sept. 11.

Altoona Parking Company, Astoria, Oreg. Canned fish. 178,543; Sept. 11.

American Bakery Company, St. Louis, Mo. Bread. 175,179; Sept. 11.

American Chocolate Almond Co., The. (See Panoulias, Panayiotis D.)

American Cotton Oil Company, The, New York, N. Y. Hard fats and cottonseed oils. 178,425; Sept. 11.

American Fork & Hoe Company, The, Cleveland, Ohio. Agricultural hand implements for hoeing and digging. 179,509; Sept. 11.

American Lace Paper Company, Milwaukee, Wis. Paper wadding. 182,784; Sept. 11.

American Mechanical Works, Los Angeles, Calif. Automobile accessories, particularly foot throttles. 182,393; Sept. 11.

American Products Company, The. (See Mills Brothers Company.)

American Safety Razor Corporation, Brooklyn, N. Y. Razor sets. 182,493; Sept. 11.

American Sugar Refining Company, The, Jersey City, N. J., and New York, N. Y. Sugar. 177,945; Sept. 11.

American Writing Paper Company, Holyoke, Mass. Bristol paper. 182,037; Sept. 11.

Aniseptol Chemical Co. (See Barab, Jacob.)

Applegate, Howard T., Montclair, N. J. Flexible shoulder straps. 165,054; Sept. 11.

Arata, John B. Jr., Inc., Philadelphia, Pa. Candies. 180,515; Sept. 11.

Arro Oil & Refining Company, Lewistown, Del. Gasoline, kerosene, and motor oils. 179,643; Sept. 11.

Arrow Paint & Wall Paper Company, Denver, Colo. Wall paper. 182,643; Sept. 11.

Astoria By-Products Co. (See Carruthers, Mrs. Richard.)

Astoria Flouring Mills Company, The, Portland, Oreg. Wheat flour. 176,591; Sept. 11.

Austin, Nichols & Co., Inc., Brooklyn, N. Y. Canned sardines. 178,206; Sept. 11.

Babcock, A. P., Company, New York, N. Y. Talcum and face powders, rouge, toilet water, etc. 180,827; Sept. 11.

Baldwin Tool Works, Parkersburg, W. Va. Shovels, spades, scoops, etc. 166,638; Sept. 11.

Bamberger, L., & Co., Newark, N. J. Women's suits. 160,483; Sept. 11.

Bankers Supply Co., Denver, Colo., and Chicago, Ill. Publications issued weekly. 181,509; Sept. 11.

Barab, Jacob, doing business as Aniseptol Chemical Co., Wilmington, Del. Emollient for use for chapped skin, sunburn, etc. 179,085; Sept. 11.

Beanpot, The, Boston, Mass. Periodically-issued magazine. 183,571; Sept. 11.

Bear, E. A., & Co., Chicago, Ill. Food mixture used for making cakes, cookies, and frosted creams. 176,596; Sept. 11.

Beaumont Mfg. Company, Philadelphia, Pa. Gates for granular materials. 181,930; Sept. 11.

Beck Duplicator Company, The, New York, N. Y. Duplicating rolls. 177,065; Sept. 11.

Berger, Harry, doing business as Harry Berger Shirt Company, New York, N. Y. Men's and boys' collars, pyjamas, and shirts. 180,739; Sept. 11.

Best Foods, Inc., The, New York, N. Y. Vegetable shortening. 182,198; Sept. 11.

Bixler Baking Company, The, Youngstown, Ohio. Bread. 176,597; Sept. 11.

Blake, C. C., Incorporated, Boston, Mass. Leather shoes. 181,877; Sept. 11.

Blatz, Val., Jr. Candy Co., Milwaukee, Wis. Candy. 179,291; Sept. 11.

Bledsoe, Yancy M., Bonham, Tex. Wrenches. 183,187; Sept. 11.

Bonita Co., The, Fond du Lac, Wis. Candy. 179,849; Sept. 11.

Booty, Philip C. P., doing business as Innovation Specialties, assignor to Innovation Specialties Co. Inc., Chicago, Ill. Manicurists' buffing implements, and renewal strips therefor. 171,411; Sept. 11.

Boucher, Wm., & Sons, Baltimore, Md. Cigars and tobaccos. 174,816; Sept. 11.

Breon, George A., doing business as Whinton Laboratories, Kansas City, Mo. Medical compound for treating corns. 180,167; Sept. 11.

Broeker, Chas., & Co., Owensboro, Ky. Wheat flour, hominy feed, and grits. 179,179; Sept. 11.

Brogdex Company, Winter Haven, Fla. Coating material having paraffin as its base. 175,708; Sept. 11.

Brown Shoe Company, Inc., St. Louis, Mo. Leather, canvas, and cloth shoes. 179,180; Sept. 11.

Buell, George C., & Co., Inc., Rochester, N. Y. Coffee. 178,817; Sept. 11.

Bulubassis, George J., New York, N. Y. Sugar-coated peanuts. 173,590; Sept. 11.

Burstein-Friedland & Co., Newark, N. J. Boys' blouses and shirts. 166,976; Sept. 11.

Butterssweet Products Corporation, Yonkers, N. Y. Candy. 180,580; Sept. 11.

California Central Creameries, San Francisco, Calif. Compound having adhesive qualities. 180,840; Sept. 11.

California Glove Company, Napa, Calif. Leather gloves. 181,337; Sept. 11.

Carruthers, Mrs. Richard, doing business as Astoria By-Products Co., Astoria, Oreg. Salmon eggs for bait. 183,362; Sept. 11.

Cashmere Fruit Growers Union, Cashmere, Wash. Fresh apples. 182,563; Sept. 11.

Central Ohio Paper Company, The, Columbus, Ohio. Writing paper, tablets, papeteries, bristol board, and envelopes. 179,458; Sept. 11.

Charleston Electrical Supply Co., Charleston, W. Va. Printed publication issued monthly. 173,277; Sept. 11.

Chester Knitting Mills, St. Louis, Mo. Hosiery. 166,173; Sept. 11.

Chicago Paper Company, Chicago, Ill. Paper. 171,728; Sept. 11.

City Refrigerator Company, Los Angeles, Calif. Refrigerator display cases. 181,880; Sept. 11.

Cleveland Shopping News Company, The, Cleveland, Ohio. Newspaper. 159,409; Sept. 11.

Cleves, William R., doing business as Karmol Laboratory, Washington, D. C. Beauty clay. 179,655; Sept. 11.

Cohn-Goodman Co., The, Cleveland, Ohio. Ladies' suits and coats. 179,852; Sept. 11.

Columbia Shirt Company, New York, N. Y. Dress and negligee shirts. 180,788–9; Sept. 11.

Columbus-Union Oil Cloth Co., The, Columbus, Ohio. Linoleum and oiled cloth. 181,383; Sept. 11.

Commercial Truck Company, Philadelphia, Pa. Magazine issued monthly. 183,196; Sept. 11.

Consolidated Cigar Corporation, New York, N. Y. Cigars. 183,734; Sept. 11.

Consolidated Hat Co., New York, N. Y. Misses' and children's hats. 181,674; Sept. 11.

Cook, Clyde W., Los Angeles, Calif. Adhesive for bandaging. 178,827; Sept. 11.

Crown Die and Tool Company, Chicago, Ill. Dies, bench pipe vises, post pipe vises, etc. 181,818; Sept. 11.

Cummins, Charles C., Columbus, Ohio. Dentifrice. 171,452; Sept. 11.

Cunningham, Edw. P., Inc., New York, N. Y. Men's hats. 181,514; Sept. 11.

Daniel Boone Woolen Mills, Inc., Chicago, Ill. Suits, overcoats, trousers, etc. 180,685; Sept. 11.

Davey Tree Expert Company, The, Kent, Ohio. Wood-preserving paints and shellac. 182,296; Sept. 11.

Davis, Sherk & Mnson Cigar Co., Reading, Pa. Cigars. 182,654; Sept. 11.

De Bevoise, Chas. R., Co., Newark, N. J., and New York, N. Y. Brassières. 181,983; Sept. 11.

Delfine Pure Food Co., Newark, N. J. Salad dressing, filling for sandwiches, for seasoning of food. 179,588; Sept. 11.

Delica Laboratories Co., Chicago, Ill. Lip sticks, eye brow and lash dressing, creams, rouge, etc. 179,461; Sept. 11.

Delmas, Anna M., North Plainfield, N. J. Eatable tablets or cakes. 167,557; Sept. 11.

Diamond Cab Sales Corporation, New York, N. Y. Monthly publication. 181,014; Sept. 11.

Dixie Mills, Clarksville, Tenn. Wheat and Graham flour, corn meal, and wheat feed. 173,741; Sept. 11.

Dixon Cereal and Feed Company, Dixon, Ill. Hog food. 171,730; Sept. 11.

Dixon, Joseph Crucible Company, Jersey City, N. J. Pencils. 123,798; Sept. 11.

Dolly Varden Chocolate Company, The, Cincinnati, Ohio. Candy. 182,236; Sept. 11.

Douglas & Burns, Ltd., Des Moines, Iowa. Ingredients used in food beverages or cooking. 168,402; Sept. 11.

Dudley Gum Company, Nashville, Tenn. Chewing gum. 161,040; Sept. 11.

Dunlap & Co., New York, N. Y. Hats. 180,657; Sept. 11.

Dunlevy Packing Company, assignor to Dunlevy-Franklin Company, Pittsburgh, Pa. Butter, oleomargarine, eggs, meats, etc. 150,311; Sept. 11.

Du Pont, E. I., de Nemours & Company, Wilmington, Del. Dyestuffs, dyestuff intermediates, and chemicals. 172,869; Sept. 11.

Eagle Carburetor Company, The, Cleveland, Ohio. Carburetors and parts thereof. 181,823; Sept. 11.

Eagle Nest Hatchery. (See Little, Henry, & Sons.)

Edel's, S. T., Sons, Baltimore, Md. Butter. 161,415; Sept. 11.

Edgerton Manufacturing Co., The, Plymouth, Ind. Baskets. 183,698; Sept. 11.

Elite Glove Co., Gloversville, N. Y. Leather gloves. 177,172; Sept. 11.

Elliott Company, The, Kittery, Me., and Cambridge, Mass. Stencil cabinets. 180,693; Sept. 11.

Ely & Walker Dry Goods Company, St. Louis, Mo. Knitted coats. 178,096; Sept. 11.

Enterprise Paint Mfg. Co., Chicago, Ill. Paints, varnishes, paint enamels, etc. 174,826; Sept. 11.

Epstein, Isaac J., San Francisco, Calif. Medicinal preparations. 174,729; Sept. 11.

Eridanea Company, Inc., Brooklyn, N. Y. Almond oil, castor oil, castor oil aromatic, iron cinchona bitters, etc. 177,080; Sept. 11.

Estes, St. Louis, Chicago, Ill. Monthly magazines. 179,716; Sept. 11.

Etablissements Poulenc Frères, Paris, France. Acetylamino-oxy-phenyl arsenic acid. 173,745; Sept. 11.

Fansteel Products Company, Inc., North Chicago, Ill. Puppet valves. 182,964–5; Sept. 11.

Faribault Canning Co., Faribault, Minn. Canned sweet corn. 182,408; Sept. 11.

Fashion Hat Company, New York, N. Y. Hats and caps. 179,299; Sept. 11.

Faultless Iron Works, The, St. Charles, Ill. Domestic furniture comprising cabinets, dressers, etc. 163,748; Sept. 11.

Fiber-Glass Food Cover Company, Chicago, Ill. Transparent food covers. 176,612; Sept. 11.

Fisher Bros. Paper Co., Fort Wayne, Ind. Toilet paper, paper towels, tissue paper, pencils, etc. 181,742; Sept. 11.

Flexo Manufacturing Company, Philadelphia, Pa. Rubber heels and arch cushions. 181,018; Sept. 11.

Florida Products Company, Inc., New York, N. Y. Marmalade. 182,505; Sept. 11.

Fly, Joel O., doing business as The Fly Manufacturing Co., Shelbyville, Tenn. Work clothing. 181,389; Sept. 11.

Foot Balm Company. (See Hofer, Louis.)

Forster Music Publisher, Inc., Chicago, Ill. Musical publications. 182,094; Sept. 11.

Fourgees Cotton Mills. (See Hart, John I.)

Fowler, Meynell E., Chicago, Ill. Eggs. 168,963; Sept. 11.

Franc-Strohmenger & Cowan, Inc., New York, N. Y. Neckties, cravats, and scarfs. 183,105; Sept. 11.

Frasse, Peter A., & Co., Inc., New York, N. Y. Rust remover and pickling compound for metals. 180,853; Sept. 11.

Gallagher, Thomas F., doing business as Gallagher Bros., Chicago, Ill. Butter. 159,466; Sept. 11.

Garrison, Harry B., also doing business as The Silvodent Co., Portland, Oreg. Foundation and pulp protector used in making metal dental fillings. 183,269; Sept. 11.

Giant Umbrella Co. (See Grossman, Jacob.)

Gibson, Lina S., doing business as Gibson Remedy Company, Fort Wayne, Ind. Preparation for the relief of coughs and after effects of influenza, etc. 180,759; Sept. 11.

Gilbert Paper Co., Menasha, Wis. Bond, ledger, and writing papers. 182,410; Sept. 11.

Glidden Company, The, Cleveland, Ohio. Paints and varnishes. 172,672; Sept. 11.

Glirr Mfg. Co., The. (See Wigart, John.)

Goepel, Charles H., jr., Philadelphia, Pa. Hosiery. 178,719; Sept. 11.

Gold Buckle Association, East Highlands, Calif. Citrous fruits. 173,636–42; Sept. 11.

Gold Medal Water-Proofing Co., Oakland, Calif. Waterproof enamel or solution. 168,606; Sept. 11.

Goldsmith, Henry N., Philadelphia, Pa. Paper towels, paper napkins, paper wrappers for delicatessen lunches. 182,750; Sept. 11.

Goodman, A., & Sons, Inc., New York, N. Y. Alimentary paste products. 169,545; Sept. 11.

Grand Lake & Gulf Shrimp Company, Westwego, La. Canned shrimp. 182,512–13; Sept. 11.

Grant, W. T., Company, Lynn, Mass., and New York, N. Y. Men's shirts. 180,472; Sept. 11.

Greene, Jesse N., doing business as J. N. Greene Co., Norfolk, Va. Stimulating tonic for kidney and bladder derangements. 179,467; Sept. 11.

Grossman, Jacob, doing business as Giant Umbrella Co., New York, N. Y. Umbrellas and parasols. 176,341; Sept. 11.

Growers Service Co., Yucaipa, Calif. Fresh apples. 171,840; Sept. 11.

Half Moon Fruit & Produce Co., San Francisco, Calif. Fresh cantaloupes, cassabas, and fresh vegetables. 159,870; Sept. 11.

Hart, John I., doing business as Fourgees Cotton Mills, Manchester, England. Cotton piece goods. 183,569–70; Sept. 11.

Heidelberg, Wolff & Co., New York, N. Y. Overcoats, raincoats, smoking jackets, etc. 179,727–8; Sept. 11.

Henry & Allen, Auburn, N. Y. Wrenches and parts thereof. 183,034; Sept. 11.

Hinkle, Hutchinson S., doing business as The Leclare Laboratories, New York, N. Y. Hair remover. 180,066; Sept. 11.

Hoey, John, & Co., San Francisco, Calif. Mattresses. 177,085; Sept. 11.

Hofer, Louis, doing business as Foot Balm Company, Cincinnati, Ohio. Foot balm. 179,793; Sept. 11.

Holland Furnace Company, Holland, Mich. Magazine published monthly. 181,024; Sept. 11.

Holstein, Harvey, Inc., Wilmington, Del. Canned fruits and vegetables, condiments, rice, etc. 166,369; Sept 11.

Holt Manufacturing Company, The, Stockton, Calif. Harvesters, thrashers, and combined harvesters and thrashers. 182,213; Sept. 11.

Honeywell Heating Specialties Company, The, Wabash, Ind. Temperature and draft regulating and controlling instruments. 175,395; Sept. 11.

Hood Rubber Company, Watertown, Mass. Rubber boots, shoes, overshoes, etc. 179,040; Sept. 11.

Hooton Cocoa Company, Newark, N. J. Cocoa and chocolate. 182,587; Sept. 11.

Ideal Novelty & Toy Co., Brooklyn, N. Y. Dolls. 183,524; Sept. 11.

Independent Drug Company, Jacksonville, Fla. Medicinal preparations. 180,865; Sept. 11.

Innovation Specialties. (See Booty, Philip C. P.)

Innovation Specialties Co. (See Booty, Philip C. P., assignor.)

International Bank, Washington, D. C. Printed circulars, bulletins, digests, etc. 182,310; Sept. 11.

PUBLISHED FOR OPPOSITION.

[Act of Feb. 20, 1905, Sec. 6, as amended Mar. 2, 1907.]

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Jaburg Brothers, Inc., New York, N. Y. Oleomargarine. 176,630; Sept. 11.
Jackson Paper Co., Jackson, Miss. Tablets and school pads. 182,816; Sept. 11.
Johnson, S. C., & Son, Racine, Wis. Prepared wax and paint and varnish remover. 182,102; Sept. 11.
Joseph, I. S., Company, Minneapolis, Minn. Stock feed. 179,151; Sept. 11.
Karmol Laboratory. (See Cleves, William B.)
Keokuk Canning Company, Keokuk, Iowa. Canned tomatoes and preserved pickles. 179,276; Sept. 11.
Kieley & Mueller, Inc., New York, N. Y. Valves, traps, and regulators. 183,071; Sept. 11.
Kinney, James M., Yonkers, N. Y. Brassières and corsets. 181,898; Sept. 11.
Klebanoff, David, doing business as Pestine Chemical Co., Philadelphia, Pa. Insecticides. 179,375; Sept. 11.
Klein, David, doing business as St. James Market Samuel Klein & Son, Brooklyn, N. Y. Dressed meats, poultry, game, etc. 175,872; Sept. 11.
Klein, L., Inc., Chicago, Ill. Men's hats and shirts. 174,308; Sept. 11.
Koch, H. C. F., & Co., Inc., New York, N. Y. Hosiery. 177,389; Sept. 11.
Kokomo Grocers Dairy Products Company, The, Kokomo, Ind. Bottled milk. 168,533; Sept. 11.
L. S. Laboratories. (See Singer, Louis.)
La Belle Brassiere Co., Inc., New York, N. Y. Brassières and girdles. 179,209; Sept. 11.
Lane, W. T., jr., Jonesboro, Ark. Cantaloupes. 180,015; Sept. 11.
Lanfranchi, Anne, doing business as Rollee, New York, N. Y. Hats for women and children. 177,305; Sept. 11.
Lawrenceburg Roller Mills Co., Lawrenceburg, Ind. Wheat flour. 178,744; Sept. 11.
Leclare Laboratories, The. (See Hinkle Hutchinson S.)
Leon Israel & Bros., New York, N. Y. Coffee and tea. 125,112; Sept. 11.
Levey Printing Company, Indianapolis, Ind. Paper, blank books, etc. 173,508; Sept. 11.
Levy, M. S., & Sons Inc., Baltimore, Md. Hats for men. 181,490; Sept. 11.
Little Buddy Suit Company, Philadelphia, Pa. Boys' regulation and novelty suits. 181,082; Sept. 11.
Little, Henry, & Sons, doing business as The Eagle Nest Hatchery, Upper Sandusky, Ohio. Live chicks. 167,086; Sept. 11.
Loft, Inc., New York, N. Y. Candies. 180,708; Sept. 11.
Loose-Wiles Biscuit Company, Long Island City, N. Y. Cakes. 179,542; Sept. 11.
Louis Diamond Co., Inc., New York, N. Y. Shirts and blouses. 180,922; Sept. 11.
Louisville Paper Co., Louisville, Ky. Bond paper. 181,901–2; Sept. 11.
Luther, Cahrles G., doing business as Luthers Pharmacy, Beaufort, S. C. Preparations for the relief of itching, inflammation, and irritations of the skin, biliousness, etc. 156,321; Sept. 11.
McMorran, C. W., San Francisco, Calif. Chowder. 176,491; Sept. 11.
MacLean Drug Company, Chicago, Ill. Shoe polish, shaving cream, soap, etc. 175,504; Sept. 11.
Macphee & Company, Inc., Philadelphia, Pa. Nerve-tonic medicine. 179,806; Sept. 11.
Malouf, Abraham M., New York, N. Y. Garters. 179,618; Sept. 11.
Malsin, Albert, New York, N. Y. Soap. 164,060; Sept. 11.
Manfield and Sons, Limited, Northampton, England. Football boots of leather. 173,935; Sept. 11.
Marshall Field & Company, Chicago, Ill. Cotton linings in the piece. 179,524; Sept. 11.
Martin Cantine Co., The, Saugerties, N. Y. Enameled book paper. 182,980–1; Sept. 11.
Meridian Grain & Elevator Company. (See Wilson, John M.)
Meyer, Bacharach & Friedheim, New York, N. Y. Neckties. 174,184; Sept. 11.
Miller, Henry K., doing business as Psychology Publishing Company, New York, N. Y. Periodicals published monthly. 182,600; Sept. 11.
Miller, Henry K., doing business as Psychology Publishing Company, New York, N. Y. Periodicals published either bimonthly or quarterly. 183,220; Sept. 11.
Miller's, Jacob, Sons Co., Philadelphia, Pa. Shirts. 181,039; Sept. 11.
Mills Brothers Company, The, doing business as The American Products Company, Cincinnati Ohio. Cake icing, pie filling, shredded coconut, etc. 174,716; Sept. 11.
Modishform Brassiere Co. Inc., The, New York, N. Y. Brassières. 180,291; Sept. 11.
Morar, Alex, Omaha, Nebr. Neckties. 182,925; Sept. 11.
Moses, Sydney, New York, N. Y. Dresses. 181,140–1; Sept. 11.
MotoVisor Company, St. Paul, Minn. Motor-vehicle windshield shades. 149,858; Sept. 11.
Nash Coffee Company, Minneapolis, Minn. Coffee. 168,483; Sept. 11.
National Chemical Co., Chicago, Ill. Perfumes, toilet water, cleansing cream, etc. 179,815; Sept. 11.
Nestlé & Anglo-Swiss Condensed Milk Co., Cham and Vevey, Switzerland. Condensed milk. 157,625; Sept. 11.
Neutral Soap Co., Chicago, Ill. Washing cleanser. 176,642; Sept. 11.
Norfolk Mattress Company, Inc., Norfolk, Va. Bed springs and bedsteads. 180,547; Sept. 11.
Oakley & Co. Inc., New York, N. Y. Perfume, toilet waters, talcum and face powders, etc. 173,779; Sept. 11.
Ormerod, John, & Sons Ltd., Castleton, England. Leather belting. 170,832; Sept. 11.
Owl Drug Company, The, San Francisco, Calif. Birdseed, flavoring extract, fish food, olive oil, etc. 166,400; Sept. 11.
P-K Manufacturing Company, The, Cleveland, Ohio. Water-power beater and whipper. 182,257; Sept. 11.
Panoulias, Panayiotis D., doing business as The American Chocolate Almond Co., Jersey City, N. J. Nonconstipating health chocolate food product. 164,449; Sept. 11.
Park & Pollard Company, The, Boston, Mass. Publication issued on the full o' the moon. 180,985; Sept. 11.
Pedigreed Products Corporation, Elmira, N. Y. Nuts, salted nuts, granulated nuts, and peanut butter. 176,648; Sept. 11.
Perceval, C., New York, N. Y. Capers, vinegar, olives, pickles, lard, etc. 177,049; Sept. 11.
Perper, Dalton E., New York, N. Y. Ladies' and misses' dresses. 182,835; Sept. 11.
Pestine Chemical Co. (See Klebanoff, David.)
Phillips, Charles H., Chemical Co., The, Glenbrook, Conn., and New York, N. Y. Preparations of magnesia, preparations of cod-liver oil, and tonic medicines. 178,463; Sept. 11.
Phillips, Charles H., Chemical Co., The, Glenbrook, Conn., and New York, N. Y. Cocoa and chocolate. 178,464–5; Sept. 11.
Phillips, Charles H., Chemical Co., The, Glenbrook, Conn., and New York, N. Y. Preparations of magnesia, preparations of cod-liver oil, and tonic medicines. 178,466; Sept. 11.
Phillips-Jones Corporation, New York, N. Y. Shirts, blouses, and pyjamas. 183,122; Sept. 11.
Pierce, S. S., Co., Boston, Mass. Cigars. 183,043; Sept. 11.
Pisner, Chas., doing business as Square Deal Market, Washington, D. C. Fresh and smoked meats, poultry, fresh fruits, and vegetables. 174,591; Sept. 11.
Polar Food Products Corp., Boston, Mass. Edible chocolate-lined shell adapted to contain ices. 181,539; Sept. 11.
Power, Edwin L., Solano, Calif. Fruits and nuts. 156,017; Sept. 11.
Prym, William Company, Limited, The, Stolberg, Germany. Common pins and hand sewing needles. 175,996; Sept. 11.
Psychology Publishing Company. (See Miller, Henry K.)
Quaker Oats Company, The, Chicago, Ill. Wheat flour, rolled oats, etc. 174,919; Sept. 11.
Rademaker, Fransiscus J. M., doing business as Frank Rademaker, Rotterdam, Netherlands. Candy. 166,571; Sept. 11.
Radio Engineering Company of New York, Inc., Gloucester, Mass. Lubrication meters. 162,695; Sept. 11.
Richmond Hosiery Mills, Rossville, Ga., Hosiery. 182,838; Sept. 11.
Rollee. (See Lanfranchi, Anne.)
Rose Company, The, Philadelphia, Pa. Writing paper and envelopes. 183,232; Sept. 11.
Rubinow, Joseph H., doing business as J. H. Rubinow, New York, N. Y. Ladies', misses', and children's hat linings. 181,699; Sept. 11.
Rubinsky, Benjamin, doing business as Youngsters Novelty Co., New York, N. Y. Boys' suits and girls' dresses. 174,262; Sept. 11.
Ruxton, Philip, Incorporated, New York, N. Y.; Chicago, Ill.; Boston, Mass.; St. Paul, Minn.; and St. Louis, Mo. Liquid water colors and artist oil colors. 182,616; Sept. 11.
Saks & Company, New York, N. Y. Underwear, footwear, neckwear, shirts. 172,444; Sept. 11.
Sampliner, P. H., Company, The, Cleveland, Ohio. Ladies' and misses' outer clothing, coats, suits, and dresses. 180,724; Sept. 11.
San Francisco Sulphur Co., San Francisco, Calif. Sulphur. 181,351; Sept. 11.
Schaefer, Herbert C., Denver, Colo. Face and sachet powders, skin creams, etc. 179,485; Sept. 11.
Scherk, Ludwig, Berlin, Germany. Perfumery, cream, lotion, rouge, etc. 179,966; Sept. 11.
Schmitt, C. H. A., Company, Inc., Boston, Mass. Dyestuffs. 180,622; Sept. 11.
Schutter-Johnson Candy Co., Chicago, Ill. Candy. 180,555–7; Sept. 11.
Select Packing Co., Easton, Pa. Dried fruit and salted-nut mixture. 179,487; Sept. 11.
Sexauer, Frederick E., doing business as Frederick E. Sexauer and Company, Brooklyn, N. Y. Fancy leather goods. 117,254; Sept. 11.
Shapiro Candy Mfg. Co. Inc., Brooklyn, N. Y. Chocolate candies. 163,599; Sept. 11.

PUBLISHED FOR OPPOSITION.

[Act of Feb. 20, 1905, Sec. 6, as amended Mar. 2, 1907.]

Siegel, Henry, New York, N. Y. Ladies' trimmed hats. 180,399; Sept. 11.
Silver Lane Pickle Company, The, East Hartford, Conn. Chowchow pickle, mixed pickle, sour onions, gherkins, etc. 179,562; Sept. 11.
Silvodent Co., The. (See Garrison, Harry B.)
Simon, Franklin, & Co. Inc., New York, N. Y. Collars and cuffs. 173,338; Sept. 11.
Singer, Louis, doing business as L. S. Laboratories, New York, N. Y. Nail polishes, paste polish, nail white, etc. 178,290; Sept. 11.
Smith & Egge Mfg. Co., The, Bridgeport, Conn. Nonferrous metals and their alloys. 181,704; Sept. 11.
Solomon Mfg. Co., St. Louis, Mo. Women's wearing apparel commonly known as knickerbockers. 167,333; Sept. 11.
Spurgin Manufacturing Company, Chicago, Ill. Currency straps. 183,601–6; Sept. 11.
Spurgin Manufacturing Company, Chicago, Ill. Currency straps. 183,607; Sept. 11.
Spurgin Manufacturing Company, Chicago, Ill. Currency straps. 183,608; Sept. 11.
Square Deal Market. (See Pisner, Chas.)
St. James Market Samuel Klein & Son. (See Klein, David.)
Standard Candy Company, Nashville, Tenn. Candy. 179,492; Sept. 11.
Standard Oil Company (New Jersey), Bayonne, N. J. Oils and greases. 181,659–60; Sept. 11.
State Line Milling Co., Kiowa, Kans. Wheat flour. 179,170; Sept. 11.
Stein, A., & Company, Chicago, Ill. Household apron and girdle supporters. 183,003; Sept. 11.
Sterling Underwear Company, Chicago, Ill. Underwear for women. 180,561; Sept. 11.
Stevens, Chas. A., & Bros., Chicago, Ill. Silks in the piece. 182,446; Sept. 11.
Stevens, Chas. A., & Bros., Chicago, Ill. Silks and laces in the piece. 182,447; Sept. 11.
Stuart Packing Corporation, Seattle, Wash. Canned salmon. 182,622; Sept. 11.
Superior Garment Company, Inc., New York, N. Y. Ladies' coats. 181,356; Sept. 11.
Sylmar Packing Corporation, Los Angeles, Calif. Pickled pimientos. 182,449; Sept. 11.
Taylor & Sledd, Inc., Richmond, Va. Canned fish, vegetables, fruits, etc. 176,926; Sept. 11.
Taylor & Sledd, Inc., Richmond, Va. Canned fish. 176,927; Sept. 11.
Terra Vitae Company, Chicago, Ill. Beauty clay. 178,416; Sept. 11.
Thieme Brothers Company, Fort Wayne, Ind. Hosiery. 180,632; Sept. 11.
Tobacco Products Corporation, New York, N. Y. Cigarettes. 183,459; Sept. 11.
Tribune Company, The, Chicago, Ill. Weekly magazine supplement. 166,412; Sept. 11.
Visco Chemical Products Company, The, Cleveland, Ohio. Polish for furniture, pianos, autos, etc. 180,568; Sept. 11.
Vitality Publishing Company. (See Whitehouse, George F.)
Vogel, Morton J., New York, N. Y. Ladies' and children's hand bags, purses, and pocketbooks. 177,153; Sept. 11.
Wahoo Novelty Works, Wahoo, Nebr. Toy dogs. 182,843; Sept. 11.
Walker, Cyrus M., Kansas City, Mo. Men's textile-fabric union-suit underwear. 175,446; Sept. 11.
Wandel, W., Mfg. Co., Inc., New Orleans, La. Rust remover and preventive. 179,573; Sept. 11.
Ward Baking Company, New York, N. Y. Bread, cake, and breakfast cereal. 179,441; Sept. 11.
Ward, R. B., & Co. Inc., Los Angeles and Piedmont, Calif. Cake. 180,995; Sept. 11.
Warren Soap Manufacturing Company, Boston, Mass. Washing or cleaning powder. 166,967; Sept. 11.
Webb, Thomas J., Company, Chicago, Ill. Coffee. 178,786; Sept. 11.
Webb, Thomas J., Company, Chicago, Ill. Coffee. 179,075; Sept. 11.
Western Electric Company, Incorporated, New York, N. Y. Creosote wood preservatives. 183,240; Sept. 11.
Western Ohio Creamery Co., The, Greenville, Ohio. Butter. 174,272; Sept. 11.
Whinton Laboratories. (See Breon, George A.)
Whitaker Paper Company, The, Baltimore, Md., and Cincinnati, Ohio. Wrapping paper. 170,737; Sept. 11.
Whitehouse, George F., doing business as Vitality Publishing Company, Los Angeles, Calif. Monthly publication. 180,997; Sept. 11.
Wiener, Ben., & Co., New York, N. Y. Clothing for boys. 176,931; Sept. 11.
Wigart, John, doing business as The Glirr Mfg. Co., Brooklyn, N. Y. Artificial minnows. 182,946; Sept. 11.
Wile, E. J., & Co., New York, N. Y. Woolen piece goods. 181,926; Sept. 11.
Williams Manufacturing Company, The, Portsmouth, Ohio. Leather putties. 181,799; Sept. 11.
Wilson, John M., doing business as Meridian Grain & Elevator Company, Meridian, Miss. Horse, mule, hog, dairy, ox, and scratch feeds. 178,649; Sept. 11.
Wimelbacher & Rice, New York, N. Y. Fabric gloves. 175,046; Sept. 11.
Winchell, S. M., Co., Pasadena, Calif. Corn salve. 180,092; Sept. 11.
Winchester Repeating Arms Co., New Haven, Conn. Soft-tone flat wall paint, colors in oil, zinc paste, etc. 175,751; Sept. 11.
Winters, Jonathan H., Company, The. Long-term and installment bonds. 180,314; Sept. 11.
Wood, John T., St. Louis, Mo. Metal polishes. 179,981; Sept. 11.
Yellow Cab Manufacturing Co., Chicago, Ill. Monthly periodical. 181,329; Sept. 11.
Youngsters Novelty Co. (See Rubinsky, Benjamin.)

CLASSIFIED LIST OF TRADE-MARKS REGISTERED.

CLASS 1.

Cottonseed. A. D. Mebane. 173,014; Sept. 11; Serial No. 173,848; published June 5, 1923.
Hydrocarbon materials or asphaltum products. R. M. A. Chacon. 172,720; Sept. 11; Serial No. 175,000; published June 5, 1923.
Leather. W. & J. Martin. 172,718; Sept. 11; Serial No. 175,148; published June 5, 1923.
Rubber composition, Hard-. Nuloid Corporation. 172,659; Sept. 11; Serial No. 174,668; published June 5, 1923.
Seeds, Agricultural and grass. Springfield Seed Company. 173,063; Sept. 11; Serial No. 176,431; published June 12, 1923.

CLASS 2.

Tanks and mash tubs. Christopher Cunningham Company. 173,089; Sept. 11.

CLASS 6.

Acetylsalicylic acid. Smith, Kline & French Co. 172,959; Sept. 11; Serial No. 175,168; published May 29, 1923.
Alcohol fuel cubes. Reed & Barton Corporation. 172,693; Sept. 11; Serial No. 145,713; published May 22, 1923.
Alcohol, Rubbing and massaging. Forst Laboratories. 172,582; Sept. 11; Serial No. 171,073; published May 8, 1923.
Alcohols, acetic acid, etc. Sun Drug Company. 172,649; Sept. 11; Seiral No. 139,634; published Mar. 27, 1923.
Ant mats and containers. Plenge's Pharmacy, Inc. 172,748; Sept. 11; Serial No. 166,605; published May 29, 1923.
Antimony, cadmium sulphides, arsenic sulphides, chrome oxides. Typke & King, Ltd. 172,753; Sept. 11; Serial No. 165,168; published Apr. 24, 1923.
Antiseptic. G. C. Biegler. 172,635; Sept. 11; Serial No. 165,058; published Apr. 17, 1923.
Bay rum. Vail Brothers. 172,593; Sept. 11; Serial No. 168,341; published June 5, 1923.
Biotherapeutic and opotherapeutic products. A. B. Adams. 172,813–14; Sept. 11; Serial Nos. 176,004–7; published June 5, 1923.
Biotherapeutic and opotherapeutic products. A. B. Adams. 173,036–7; Sept. 11; Serial Nos. 176,006–7; published June 5, 1923.
Biotherapeutic and opotherapeutic products. A. B. Adams. 173,038–9; Sept. 11; Serial Nos. 176,009–10; published June 5, 1923.
Bismuth in cumphorated solution, Oxychloride of. F. Lehnhoff-Wyld. 172,880–1; Sept. 11; Serial Nos. 175,901–2; published May 29, 1923.
Calcium carbide. Aluminium-Industrie-Aktien-Gesellschaft. 172,715; Sept. 11; Serial No. 175,290; published May 22, 1923.
Carbon remover for internal-combustion engines, Chemical. Eastern Auto Products Co. 172,826; Sept. 11; Serial No. 167,076; published June 5, 1923.
Chemical compounds, etc., for use in producing varying colors in burning fuel. L. M. Watson. 172,645–6; Sept. 11; Serial Nos. 157,396–7; published Apr. 17, 1923.
Chemical fungicide. Stauffer Chemical Company. 172,702; Sept. 11; Serial No. 175,820; published May 29, 1923.
Chemical preparation for facilitating the scalding, etc., of hogs. B. Heller & Company. 172,556; Sept. 11; Serial No. 171,756; published May 29, 1923.
Cleanser, disinfectant and deodorizer. United Chemical Companies. 172,798; Sept. 11; Serial No. 174,546; published June 5, 1923.
Cold cream. L. E. Helfand. 172,578; Sept. 11; Serial No. 171,915; published May 22, 1923.

Coloring for food and confectionery. B. Heller & Company. 172,574; Sept. 11; Serial No. 173,046; published May 15, 1923.
Compacts for face powder. Lowell Company. 172,705; Sept. 11; Serial No. 175,667; published May 29, 1923.
Cream, complexion and face powders, tooth paste, etc., Cold. J. W. Lowrance. 172,561; Sept. 11; Serial No. 171,427; published May 29, 1923.
Cream, Facial. C. Jaeger Distributing Co. 172,572; Sept. 11; Serial No. 170,388; published Apr. 17, 1923.
Cream powder, Cold-. Armand Company. 172,948; Sept. 11; Serial No. 174,994; published June 5, 1923.
Cream, Toilet. L. I. Coggins. 172,745; Sept. 11; Serial No. 167,072; published Apr. 24, 1923.
Creams, lotions, manicuring preparations, etc., Face. G. W. Jennings. 172,854; Sept. 11; Ser. No. 175,658; published June 5, 1923.
Creams, rouge, etc. Beautex Laboratories Company. 173,049; Sept. 11; Serial No. 176,817; published June 12, 1923.
Creams, Vanishing face and cold. R. Flores. 172,742; Sept. 11; Serial No. 168,408; published May 15, 1923.
Dental anæsthetic. J. M. Wilson. 173,051; Sept. 11; Serial No. 174,775; published June 12, 1923.
Deodorizing preparation for ice boxes, etc. B. Heller & Company. 172,579; Sept. 11; Serial No. 172,043; published May 15, 1923.
Digestant compound. G. A. Swift. 172,709; Sept. 11; Serial No. 173,531; published May 15, 1923.
Disinfectants. Wm. McDonagh & Sons. 172,794; Sept. 11; Serial No. 173,403; published June 5, 1923.
Dyes, colors, and intermediates, Coal-tar. Dyestuffs & Chemicals, Incorporated. 173,050; Sept. 11; Serial No. 176,789; published June 12, 1923.
Egg producer and poultry tonic. Carolina Remedies Co. 172,696; Sept. 11; Serial No. 177,272; published Apr. 17, 1922.
Embalmers' face pack, clay massage, cold and vanishing creams. C. L. Shute. 172,565; Sept. 11; Serial No. 170,742; published Apr. 17, 1923.
Engines, Fuel intensifier and carbon preventive for internal-combustion. McComas & Goodwin. 172,692; Sept. 11; Serial No. 154,374; published May 8, 1923.
Enzyme substances of vegetable fungus. Takamine Laboratory, Inc. 172,650; Sept. 11; Serial No. 147,806; published Apr. 24, 1923.
Eucalyptus remedies for colds, catarrh, and rheumatism. N. C. Heron. 172,833; Sept. 11; Serial No. 161,312; published June 5, 1923.
Hair grower. R. Stevens. 172,677; Sept. 11; Serial No. 165,642; published May 8, 1923.
Hair grower, hair tonic, shampoo, tetter salve, etc. A. Taylor. 172,598; Sept. 11; Serial No. 171,517; published June 5, 1923.
Hair oils. Foley & Company. 172,974; Sept. 11; Serial No. 176,261; published June 12, 1923.
Hair pomade. E. A. Heitkamp. 172,722; Sept. 11; Serial No. 174,777; published May 22, 1923.
Hair preparation. R. H. Cromwell. 172,977; Sept. 11. Serial No. 176,074; published June 12, 1923.
Hair tonic. M. H. Askinn. 172,707; Sept. 11; Serial No. 175,593; published May 29, 1923.
Hair tonic. J. J. Fox. 172,567; Sept. 11; Serial No. 170,635; published June 26, 1923.
Hair tonic. A. L. Kandle. 172,688; Sept. 11; Serial No. 158,047; published June 5, 1923.
Hair tonic. L. A. Lea. 172,791; Sept. 11; Serial No. 175,503; published June 5, 1923.
Hair tonic, complexion powder, etc. I. J. Selkowitz. 172,885; Sept. 11; Serial No. 159,028; published May 29, 1923.
Hair toules. Doggett & Miller Co. 172,967; Sept. 11; Serial No. 173,007; published June 5, 1923.
Hypodermic solutions. Parke, Davis & Company. 172,859; Sept. 11; Serial No. 176,361; published June 5, 1923.
Insecticide. Walnut Growers Spray Manufacturing Company. 172,754; Sept. 11; Serial No. 165,435; published May 22, 1923.
Insecticide for fowls. S. S. Powell. 172,949; Sept. 11; Serial No. 174,409; published June 5, 1923.
Insecticide for roaches, etc. C. L. Jones. 172,963; Sept. 11; Serial No. 175,084; published June 5, 1923.
Insecticide ointment and shampoo. Dr. Becker Medicine Co. 172,665; Sept. 11; Serial No. 174,382; published May 8, 1923.
Insect powder. A. Dabrasky. 172,676; Sept. 11; Serial No. 166,769; published May 8, 1923.
Insect powders or insecticides. Nasser and Coleman Company. 172,724; Sept. 11; Serial No. 174,744; published May 22, 1923.
Laxative. Battle Creek Food Company. 172,885; Sept. 11; Serial No. 175,839; published May 15, 1923.
Laxative. Zarat Inc. 172,966; Sept. 11; Serial No. 175,047; published June 5, 1923.
Laxative crackers. Vegatol Products Company. 172,653; Sept. 11; Serial No. 137,751; published Jan. 30, 1923.
Laxative wafer. CaPhenin Chemical Company. 172,703; Sept. 11; Serial No. 175,768; published May 29, 1923.
Laxatives. Lungardia Company. 172,877; Sept. 11; Serial No. 175,336; published May 29, 1923.
Lip paste and pencils. F. N. Lewis. 172,658; Sept. 11; Serial No. 174,842; published June 5, 1923.
Lip paste and pencils. F. N. Lewis. 172,731; Sept. 11; Serial No. 174,470; published May 22, 1923.
Liquid battery charge. J. K. Jester. 172,570; Sept. 11; Serial No. 170,434; published May 22, 1923.
Lotion applied to the face after shaving, tooth paste, face powder, etc. Allmans Co. 172,690; Sept. 11; Serial No. 155,471; published May 29, 1923.
Lotion, Face. D. Pepple and Co. 172,725; Sept. 11; Serial No. 174,669; published May 15, 1923.
Lotion, Skin. E. L. Patch Company. 172,664; Sept. 11; Serial No. 174,482; published May 29, 1923.
Lotions for treatment of skin. F. H. Shoemaker. 172,793; Sept. 11; Serial No. 175,451; published June 5, 1923.
Medicinal agents for treatment of bodily pains. Eddine Manufacturing Co. 172,954; Sept. 11; Serial No. 175,548; published June 5, 1923.
Medicinal and chemical products for treating neuralgic and convulsive affections. C. A. F. Kahlbaum Chemische Fabrik Gesellschaft mit beschräukter Haftung. 172,739; Sept. 11; Serial No. 168,973; published Apr. 24, 1923.
Medicinal and pharmaceutical products for treating gouty, rheumatic, etc., affections. C. A. F. Kahlbaum Chemische Fabrik Gesellschaft mit beschränkter Haftung. 172,740; Sept. 11; Serial No. 168,972; published Apr. 24, 1923.
Medicinal composition for neurasthenic disorders. Lecithin Company. 173,048; Sept. 11; Serial No. 176,839; published June 12, 1923.
Medicinal compound for the treatment of catarrhal diseases of the head. Cream Balm Company. 172,568; Sept. 11; Serial No. 170,626; published May 22, 1923.
Medicinal preparation. W. H. Wilson. 172,982; Sept. 11; Serial No. 174,116; published June 12, 1923.
Medicinal preparation used as a prophylactic, antiseptic, and germicide. H. Wolcott. 172,893; Sept. 11; Serial No. 175,588; published May 15, 1923.
Medicinal preparations. J. G. Fambach. 172,735; Sept. 11; Serial No. 169,895; published May 22, 1923.
Medicinal preparations, Proprietary. Cumberland Chemical Co. 172,571; Sept. 11; Serial No. 170,429; published Apr. 24, 1923.
Medicinal preparations, Proprietary. Cumberland Chemical Co. 172,586; Sept. 11; Serial No. 170,428; published May 29, 1923.
Medicine, Liver, kidney, and stomach. Spinks & McIlwain. 172,592; Sept. 11; Serial No. 168,736; published May 8, 1923.
Medicines and toilet preparations. D. Sweet. 172,678; Sept. 11; Serial No. 164,776; published May 8, 1923.
Medicines for kidney troubles, rheumatism, etc. D. L. Watson. 172,651; Sept. 11; Serial No. 143,466; published May 22, 1923.
Medicines, Hypnotic. Henry K. Wampole and Company. 172,728; Sept. 11; Serial No. 174,547; published May 22, 1923.
Mouth wash. S. Blanc. 172,706; Sept. 11; Serial No. 175,642; published May 29, 1923.
Nail polish, cleaner, and tonic, Finger-. Evans Chemical Works. 172,713; Sept. 11; Serial No. 175,388; published May 22, 1923.
Oats and oatmeal. Rolled. Quaker Oats Company. 172,969; Sept. 11; Serial No. 174,915; published June 5, 1923.
Oil, analgesic balm, castor oil, etc., Medicinal. John T. Milliken & Company. 172,672; Sept. 11; Serial No. 174,093; published May 29, 1923.
Oil, Chenopodium. Growers Distilling Co. 172,730; Sept. 11; Serial No. 174,519; published May 22, 1923.
Oil in capsules, Haarlem. H. Planten & Son, Inc. 172,752; Sept. 11; Serial No. 165,204; published May 22, 1923.
Oils for preparing silk, wool, etc., for manufacture. Neutrasol Products Corporation. 172,695; Sept. 11; Serial No. 177,988; published May 29, 1923.
Ointment for cuts, bruises, sprains, and eruptions. A. Blanchette. 172,656; Sept. 11; Serial No. 174,887; published June 5, 1923.
Ointment for the cure and alleviation of piles, prolapse, etc. A. O. Molatch. 172,723; Sept. 11; Serial No. 174,745; published May 22, 1923.
Ointment used for colds, headache, sorethroat, etc. J. W. Oneal Chemical Co. 172,733; Sept. 11; Serial No. 174,257; published May 22, 1923.
Ointment, Medicinal. C. C. Marshall. 172,883; Sept. 11; Serial No. 175,877; published May 15, 1923.
Oxides of cobalt, chromium, etc. Vitro Manufacturing Company. 172,975; Sept. 11; Serial No. 176,234; published June 12, 1923.
Perfume, toilet water, complexion powder. Solon Palmer. 172,714; Sept. 11; Serial No. 175,368; published May 22, 1923.
Perfume, toilet water, face and talcum powders, etc. H. Rigaud. 172,809; Sept. 11; Serial No. 175,025; published June 5, 1923.
Perfume, toilet water, sachet and face powders, etc. Susanna Cocroft Laboratories Inc. 172,955; Sept. 11; Serial No. 175,468; published June 5, 1923.
Perfume, toilet water, sachet powder, etc. Wm. H. Brown & Bro. Company. 172,721; Sept. 11; Serial No. 174,818; published May 22, 1923.

Perfume, toilet water, sachet powder, face powder, etc. Susanna Cocroft Laboratories Inc. 172,792; Sept. 11; Serial No. 175,467; published June 5, 1923.
Perfumes. Coty, Inc. 172,878; Sept. 11; Serial No. 175,920; published May 29, 1923.
Perfumes and hair tonics. A. Sampedro. 172,581; Sept. 11; Serial No. 171,138; published May 22, 1923.
Perfumes, extracts, toilet water, rice powders, etc. M. Schoepfer. 172,710; Sept. 11; Serial No. 175,524; published May 15, 1923.
Perfumes, Liquid and powdered. Colgate & Company. 172,666; Sept. 11; Serial No. 174,291; published May 29, 1923.
Perfumes, toilet waters, face lotions, creams, etc. Lionel Trading Co. 172,673; Sept. 11; Serial No. 174,083; published May 29, 1923.
Perfumery, face cream, rouge, etc. L. Scherk. 173,087; Sept. 11.
Perfumery, scents, toilet water, hair waters, etc. F. Libisch. 172,862; Sept. 11; Serial No. 170,982; published June 5, 1923.
Petrolatum. Standard Oil Company. 172,712; Sept. 11; Serial No. 175,414; published May 15, 1923.
Pharmaceutical preparation. Chemische Fabrik vormals Sandoz. 173,046; Sept. 11; Serial No. 176,882; published June 12, 1923.
Pharmaceutical preparation. Chemische Fabrik vormals Sandoz. 173,047; Sept. 11; Serial No. 176,880; published June 12, 1923.
Pharmaceutical preparations. Chemische Fabrik "Norgine" Dr. Victor Stein. 172,681; Sept. 11; Serial No. 163,139; published May 8, 1923.
Polish, Nail. I. R. Parsons. 173,045; Sept. 11; Serial No. 176,912; published June 12, 1923.
Powders, Face. Betty Lou. 172,591; Sept. 11; Serial No. 168,536; published May 29, 1923.
Powder, Face. Hugg'Me Company. 172,569; Sept. 11; Serial No. 170,453; published Apr. 17, 1923.
Powder, Face. Palmolive Company. 172,851; Sept. 11; Serial No. 175,942; published June 5, 1923.
Powders and creams, perfumes, rouges, etc., Face. V. D. Bennett. 172,637; Sept. 11; Serial No. 163,961; published May 22, 1923.
Powders and creams, perfumes, etc., Face. V. Vivaudou, Inc. 172,716–17; Sept. 11; Serial Nos. 175,284–5; published May 22, 1923.
Powders and creams, perfumes, toilet waters, etc., Face. P. E. Page. 172,876; Sept. 11; Serial No. 175,941; published May 29, 1923.
Powders, creams, perfumes, toilet waters, etc., Face. Condé, Perfumer. 172,879; Sept. 11; Serial No. 175,918; published May 29, 1923.
Powders, Laxative. P. Schaupner. 172,882; Sept. 11; Serial No. 175,889; published May 15, 1923.
Preparation for inflammatory conditions. T. W. Stemmler. 172,559; Sept. 11; Serial No. 171,575; published Apr. 17, 1923.
Preparation for preventing the further tearing and ripping of hosiery, Chemical. F. Heitel. 172,741; Sept. 11; Serial No. 168,680; published May 29, 1923.
Preparation for relief of colds, coughs, grippe, etc. J. T. Jones. 172,772; Sept. 11; Serial No. 172,993; published July 10, 1923.
Preparation for repelling flies from cattle, horses, dogs, etc. B. Heller & Company. 172,575; Sept. 11; Serial No. 173,045; published May 15, 1923.
Preparation for treating the eyebrows and eyelashes. Ross Company. 173,052; Sept. 11; Serial No. 176,764; published June 12, 1923.
Preparation for the treatment of inflamed eyes. T. W. Stemmler. 172,558; Sept. 11; Serial No. 171,576; published Apr. 17, 1923.
Preparation for the treatment of impure blood, Liquid. M. E. Bozeman. 173,013; Sept. 11; Serial No. 173,871; published June 5, 1923.
Preparation for the treatment of rheumatism, Liquid. F. Burnes. 172,663; Sept. 11; Serial No. 174,426; published May 8, 1923.
Preparation for the treatment of tonsillitis, hoarseness, etc. J. J. Bariscillo. 172,892; Sept. 11; Serial No. 175,641; published May 15, 1923.
Preparation for use in the treatment of eczema. R. C. Garrett. 172,560; Sept. 11; Serial No. 171,268; published May 22, 1923.
Remedies for skin diseases, External. Amore Drug & Chemical Company. 172,875; Sept. 11; Serial No. 175,977; published May 29, 1923.
Remedy, Antiseptic. E. E. Buchanan, jr. 173,085; Sept. 11.
Remedy for chickens, Sorehead. T. J. Knight. 172,687; Sept. 11; Serial No. 158,875; published May 8, 1923.
Remedy for cold in head, grippe, influenza, etc. G. H. Hyland. 172,576; Sept. 11; Serial No. 172,595; published May 29, 1923.
Remedy for worms in dogs. Willows, Francis, Butler & Thompson, Limited. 172,594; Sept. 11; Serial No. 167,113; published May 29, 1923.
Remedy to be used as a sedative or hypnotic. Farbenfabriken vorm. Friedr. Bayer & Co. 172,744; Sept. 11; Serial No. 167,976; published Dec. 26, 1922.
Rouge. Colgate & Company. 172,667; Sept. 11; Serial No. 174,290; published May 29, 1923.
Rouge and powder. F. N. Lewis. 172,732; Sept. 11; Serial No. 174,469; published May 22, 1923.
Rouge or powder. F. N. Lewis. 172,840; Sept. 11; Serial No. 177,856; published June 5, 1923.
Salt. Inland-Delray Salt Co. 173,088; Sept. 11.
Salve for eczema, etc. Hergy Company. 172,964; Sept. 11; Serial No. 175,082; published June 5, 1923.
Salve for the treatment of pneumonia, influenza, etc. H. F. Dickson. 172,972; Sept. 11; Serial No. 174,768; published June 5, 1923.
Salves and ointments. C. P. Dixon. 172,683; Sept. 11; Serial No. 162,613; published May 29, 1923.
Salves and ointments for boils, carbuncles, etc. NoLance Chemical Company. 172,704; Sept. 11; Serial No. 175,729; published May 29, 1923.
Serum, hog-cholera virus, mixed infection bacterin for swine, etc., Clear refined anti-hog-cholera. Globe Laboratories. 172,680; Sept. 11; Serial No. 163,752; published May 29, 1923.
Shampoo. Graham Bros. Soap Company. 172,726–7; Sept. 11; Serial Nos. 174,573–4; published May 22, 1923.
Shampoo. A. J. Krank Mfg. Co. 172,609; Sept. 11; Serial No. 169,858; published June 5, 1923.
Shampoo. S. B. Levey. 172,606; Sept. 11; Serial No. 170,172; published May 29, 1923.
Soda, granulated lye, and chlorinated lime, Caustic. Hooker Electrochemical Company. 172,734; Sept. 11; Serial No. 169,903; published Apr. 24, 1923.
Tablet, Antimalarial. F. S. Duffy. 172,708; Sept. 11; Serial No. 175,547; published May 15, 1923.
Tablets, Herb. S. D. Clegg. 172,719; Sept. 11; Serial No. 175,070; published May 22, 1923.
Toilet creams. Houbigant, Inc. 172,711; Sept. 11; Serial No. 175,493; published May 15, 1923.
Toilet powders and handkerchief extracts. Perfumeria Gal Sociedad Anonima. 172,737; Sept. 11; Serial No. 169,418; published Apr. 17, 1923.
Toilet waters, shampoo, hair tonics, etc. Saxon Perfume Company. 172,587; Sept. 11; Serial No. 170,039; published June 5, 1923.
Tonic, Digestive. E. S. Gebhart. 172,662; Sept. 11; Serial No. 174,518; published May 8, 1923.
Tonic, General medicinal. G. E. Burcher. 172,670; Sept. 11; Serial No. 174,121; published May 22, 1923.
Tonic, Medicinal. Wonder Medicine Company. 172,580; Sept. 11; Serial No. 172,313; published May 8, 1923.
Tonics and preparations. Cole Chemical Company. 172,852; Sept. 11; Serial No. 175,770; published June 5, 1923.
Tooth paste, glycerin, etc. Foley & Company. 172,960; Sept. 11; Serial No. 176,263; published June 12, 1923.
Tooth paste, liquid dentifrice. J. R. Irvin. 172,976; Sept. 11; Serial No. 176,188; published June 12, 1923.
Tooth paste, wash, and dentifrice. Associated Radium Chemists, Inc. 172,675; Sept. 11; Serial No. 166,925; published May 8, 1923.
Vaccine, Urine. T. W. Deachman. 172,746; Sept. 11; Serial No. 167,868; published May 15, 1923.
Waterproofing composition for wood, brick, etc. Barlith Company. 173,018; Sept. 11; Serial No. 173,126; published June 5, 1923.
Wood and food preservatives, photographic chemicals, drestuffs, etc. Tetralin Gesellschaft mit beschränkter Haftung. 172,777; Sept. 11; Serial No. 142,042; published June 5, 1923.

CLASS 7.

Rope, Manila. Tubbs Cordage Company. 172,807; Sept. 11; Serial No. 143,107; published June 21, 1921.

CLASS 9.

Pistols, rifles, muskets, guns, revolvers, ammunition, and cleaning rods. Gustav Genschow & Co. Aktiengesellschaft. 172,937; Sept. 11; Serial No. 161,877; published Oct. 24, 1922.
Pistols, rifles, muskets, guns, revolvers, ammunition, and cleaning rods. Gustav Genschow & Co. Aktiengesellschaft. 172,938; Sept. 11; Serial No. 161,875; published Oct. 24, 1922.

CLASS 11.

Paper, Carbon. H. M. Storms Company. 172,627; Sept. 11; Serial No. 154,850; published May 29, 1923.

CLASS 12.

Bricks. Fiske & Company. 173,065; Sept. 11.
Bricks. United States Refractories Co. 172,921; Sept. 11; Serial No. 177,254; published June 5, 1923.
Cement, Material used to hasten the setting and lower the freezing point of. Shreveport Chemical Company. 173,071; Sept. 11.
Cement, Portland. United States Portland Cement Company. 172,913; Sept. 11; Serial No. 178,642; published June 5, 1923.
Cements, Portland. Super Cement (America) Company. 173,072; Sept. 11.
Corner beads, metal bases, metal door casings, etc. Knapp Brothers Manufacturing Company. 172,674; Sept. 11; Serial No. 174,082; published June 5, 1923.
Fireproof non-heat-conducting materials. Johns-Manville, Incorporated. 172,918; Sept. 11; Serial No. 177,786; published June 5, 1923.

Mineral aggregate as ingredients for road surfacing, pavements, floors, etc. Copperstone Products Co. 172,920; Sept. 11; Serial No. 177,277; published June 5, 1923.
Plaster. Paul Meude Inc. 172,979; Sept. 11; Serial No. 175,433; published June 12, 1923.
Plasters, Calcined gypsum wall. United States Gypsum Company. 172,927; Sept. 11; Serial No. 176,514; published June 5, 1923.
Refractory cements. E. J. Lavino and Company. 172,588; Sept. 11; Serial No. 170,029; published June 5, 1923.
Roofing, slate surfaced and talc surfaced, Asphalt. Mooney, Douglas & Pearson, Inc. 172,773; Sept. 11; Serial No. 172,486; published June 5, 1923.
Shingle strips. Sifo Products Company. 172,689; Sept. 11; Serial No. 155,836; published June 5, 1923.
Skylights. Alfred C. Gaethel Co. 173,035; Sept. 11; Serial No. 170,619; published June 12, 1923.
Stucco and composition of cementitious nature for making flooring. Ritestone Products Corporation. 172,914; Sept. 11; Serial No. 178,628; published June 5, 1923.
Wall board, shingles, tiles, etc. Leolith Products Corporation. 172,682; Sept. 11; Serial No. 162,995; published June 5, 1923.

CLASS 13.

Paper cabinets, Toilet. Utility Service Association. 172,644; Sept. 11; Serial No. 157,050; published May 29, 1923.
Steamers, seamless steam kettles, copper-jacketed kettles, etc. Majestic Manufacturing Company. 172,804; Sept. 11; Serial No. 152,763; published June 5, 1923.

CLASS 14.

Solder. Weldene Manufacturing Company. 172,806; Sept. 11; Serial No. 149,048; published June 5, 1923.

CLASS 15.

Petroleum and products of petroleum. Standard Oil Company of New York. 173,064; Sept. 11.

CLASS 16.

Cleaning and polishing composition for furniture, etc. T. P. Maynard. 172,785; Sept. 11; Serial No. 164,447; published Dec. 19, 1922.
Paint, linseed oil, etc., Oil. L. A. Stabler. 172,628; Sept. 11; Serial No. 154,287; published Apr. 3, 1923.

CLASS 17.

Cigars. E. A. Kline. 173,053; Sept. 11; Serial No. 176,632; published June 12, 1923.

CLASS 19.

Automobile bodies, Lever casings for bottoms of. Pettitt & Bickford Company. 172,987; Sept. 11; Serial No. 173,981; published June 12, 1923.
Automobile bumpers and parts therefor. Quinn Reade Motor Vehicle Fender Co. 172,829; Sept. 11; Serial No. 165,821; published June 5, 1923.
Cars, bicycles, etc., Motor. Rover Company. 172,992; Sept. 11; Serial No. 173,069; published June 12, 1923.
Spring covers and grease boots. David Feinburg Company. 173,025; Sept. 11; Serial No. 172,643; published June 5, 1923.
Truck bodies. Heil Co. 173,057–62; Sept. 11; Serial Nos. 176,466–71; published June 12, 1923.
Trucks, Motor. Clinton Motors Corporation. 173,056; Sept. 11; Serial No. 176,536; published June 12, 1923.

CLASS 21.

Automobile spark timers. Recto Manufacturing Co. 172,652; Sept. 11; Serial No. 140,069; published Mar. 14, 1922.
Crystal detectors and rectifiers. Dubilier Condenser and Radio Corporation. 173,009; Sept. 11; Serial No. 178,333; published June 5, 1923.
Dials for use with radio apparatus, Control. Pacent Electric Company. 172,999; Sept. 11; Serial No. 177,241; published June 5, 1923.
Electric lights and lighting fixtures for motor cars. Motor Curve Light Company. 173,006; Sept. 11; Serial No. 177,987; published June 5, 1923.
Fuse plug, Electrical. A. L. Lewis. 173,079; Sept. 11.
Radio apparatus and parts thereof. Sayre-Level Radio Company. 172,790; Sept. 11; Serial No. 175,740; published June 5, 1923.
Radio apparatus, rheostats, potentiometers, etc. C. Hardy. 172,884; Sept. 11; Serial No. 175,865; published May 29, 1923.
Radioreceivers. H. H. Frost. 173,074; Sept. 11.
Radio sets and parts thereof. Washington Radio Corp. 172,830; Sept. 11; Serial No. 164,617; published June 5, 1923.
Sadirons, Electric. Dover Manufacturing Company. 173,008; Sept. 11; Serial No. 178,236; published June 5, 1923.
Telephone receivers. E. A. Graham. 172,993; Sept. 11; Serial No. 176,021; published June 5, 1923.
Telephone receivers, Electrical. Metro Electrical Co. 173,004; Sept. 11; Serial No. 177,795; published June 5, 1923.
Welding machines and electric tools for welding purposes and parts thereof, Electric. A-I Manufacturing Co. 172,808; Sept. 11; Serial No. 125,101; published June 5, 1923.
Wireless apparatus. Wm. J. Murdock Co. 172,825; Sept. 11; Serial No. 167,482; published June 5, 1923.
Wireless receiving sets, Detector crystals used in. E. Reese. 172,803; Sept. 11; Serial No. 172,494; published June 5, 1923.

CLASS 22.

Fish baits, Artificial. Water-Witch Company. 173,044; Sept. 11; Serial No. 176,929; published June 12, 1923.
Pistols, grasshoppers and canary songsters, Repeating cap. Victory Sparkler & Specialty Co. 172,679; Sept. 11; Serial No. 164,527; published Jan. 9, 1923.
Sleds, hand sleds with wheels, and toy wagons. Coaster Company. 173,054; Sept. 11; Serial No. 176,603; published June 12, 1923.

CLASS 23.

Boxes, Miter. Goodell-Pratt Company. 172,698; Sept. 11; Serial No. 176,803; published May 29, 1923.
Dishwashing machines. Hicks Corporation. 172,771; Sept. 11; Serial No. 173,355; published June 5, 1923.
Grinders, Bench. Goodell-Pratt Company. 172,697; Sept. 11; Serial No. 177,082; published May 29, 1923.
Locomotive and stationary lubricators, valve and oil cups. Detroit Lubricator Company. 173,041; Sept. 11; Serial No. 176,955; published June 5, 1923.
Machinery guards, Metal. C. J. Dickgiesser. 173,084; Sept. 11.
Polishing and grinding heads. Goodell-Pratt Company. 172,699; Sept. 11; Serial No. 176,825; published May 29, 1923.
Pumps, including hydraulic rams. Deming Company. 172,789; Sept. 11; Serial No. 175,923; published June 5, 1923.
Razor blades. Sandvikstahl G. m. b. H. 172,820; Sept. 11; Serial No. 171,243; published June 5, 1923.
Razors and blades thereof, Safety. J. A. D. Watt. 172,828; Sept. 11; Serial No. 166,758; published June 5, 1923.
Typewriting machines and parts thereof and mechanical copying machines. Fabrik Stolzenberg Deutsche Bureau-Einrichtungs-Gesellschaft mit beschränkter Haftung. 172,819; Sept. 11; Serial No. 171,988; published June 5, 1923.
Valve grinders. Goodell-Pratt Company. 172,700; Sept. 11; Serial No. 176,824; published May 29, 1923.
Vises, Bench. Goodell-Pratt Company. 172,701; Sept. 11; Serial No. 176,737; published May 29, 1923.
Windmills, gasoline engines, windmill pumps, siphon pumps, etc. Challenge Company. 172,799; Sept. 11; Serial No. 174,724; published June 5, 1923.

CLASS 24.

Washboilers. M. Kamenstein. 172,630; Sept. 11; Serial No. 145,463; published May 29, 1923.

CLASS 25.

Locks. American Lock Manufacturing Co. 172,779; Sept. 11; Serial No. 155,292; published June 5, 1923.

CLASS 26.

Advertisement-projection machines, Moving. American Motorsign Company. 172,866; Sept. 11; Serial No. 172,971; published June 5, 1923.
Eyeglasses, Moviglass Company. 172,778; Sept. 11; Serial No. 144,095; published June 5, 1923.
Lantern slides. F. A. Apfelbaum. 172,782; Sept. 11; Serial No. 158,280; published June 5, 1923.
Scales, Hæmoglobin. T. W. Tallqvist. 172,729; Sept. 11; Serial No. 174,542; published May 29, 1923.

CLASS 27.

Watchcases. M. M. Mirabeau. 173,011; Sept. 11; Serial No. 178,765; published June 5, 1923.
Watches and watchcases. Edelstein Company. 172,797; Sept. 11; Serial No. 174,895; published June 5, 1923.
Watches, clocks, chronometers, and parts for same. A. Burnstine. 172,802; Sept. 11; Serial No. 172,632; published June 5, 1923.

CLASS 28.

Chains, pendants, finger rings, etc. Spear & Susskind. 172,886; Sept. 11; Serial No. 175,818; published May 29, 1923.
Jewelry and personal adornment, Articles of. Manufacturing Jewelers Export Co. 172,590; Sept. 11; Serial No. 169,680; published May 29, 1923.
Jewelry of precious metal, Articles of. I. Schiffman. 172,950; Sept. 11; Serial No. 174,369; published May 29, 1923.
Necklaces, Pearl. Rothschild & Company 172,845; Sept. 11; Serial No. 176,503; published May 29, 1923.
Necklaces, Pearl. M. Tecla & Co. 172,612; Sept. 11; Serial No. 167,958; published May 29, 1923.
Pearls and artificial pearls. J. Flashner. 172,796; Sept. 11; Serial No. 175,138; published June 5, 1923.

Rings, pendants, scarfpins, bar pins, etc., Finger. B. F. Brogan. 172,995; Sept. 11; Serial No. 176,716; published June 5, 1923.
Silver-plated flatware, tableware, and cutlery. Oneida Community, Limited. 172,853; Sept. 11; Serial No. 175,731; published May 29, 1923.

CLASS 29.

Brushes, Shoe. Parks & Parks, Inc. 172,868; Sept. 11; Serial No. 173,527; published June 5, 1923.
Brushes, Shoe. Parks & Parks, Inc. 172,869; Sept. 11; Serial No. 173,529; published June 5, 1923.

CLASS 30.

Chinaware. E. W. Bieg. 173,001; Sept. 11; Serial No. 177,472; published June 5, 1923.

CLASS 33.

Glass. Bullet Proof & Non-Shatterable Glass Corporation. 172,996–7; Sept. 11; Serial Nos. 176,717–18; published June 5, 1923.
Glass and crystal sheeting, Plate and mirror. Syracuse Glass Company. 173,007; Sept. 11; Serial No. 178,007; published June 5, 1923.
Lamp shades, Glass. M. H. Krich. 172,942; Sept. 11; Serial No. 159,321; published June 13, 1922.

CLASS 34.

Fireplaces. Elson & Church. 172,919; Sept. 11; Serial No. 177,431; published June 5, 1923.
Fuel, Apparatus for preparing, conveying, and burning comminuted. Grindle Fuel Equipment Company. 172,953; Sept. 11; Serial No. 175,551; published June 5, 1923.
Heating apparatus, Portable. A. Garbarini. 172,616; Sept. 11; Serial No. 165,750; published June 5, 1923.
Incinerators. Helmbach Incinerator Co. 172,956; Sept. 11; Serial No. 175,427; published June 5, 1923.
Lamp shades. P. Smith. 172,655; Sept. 11; Serial No. 174,980; published June 5, 1923.
Stoves, ranges, furnaces, and hot-water heaters. Keeley Stove Company. 172,839; Sept. 11; Serial No. 178,393; published June 5, 1923.

CLASS 35.

Brake linings. J. W. Pohlman. 173,082; Sept. 11.
Rubber hose. E. Schulthess. 172,584; Sept. 11; Serial No. 170,794; published June 5, 1923.
Steel bands, Hardened and tempered. Sandvikens Jernverks Aktiebolag. 172,838; Sept. 11; Serial No. 178,873; published June 5, 1923.
Transmission lining. Pacific Coast Rubber & Supply Co. 173,066; Sept. 11.
Tubes, Inner. B. F. Goodrich Company. 172,888; Sept. 11; Serial No. 175,720; published June 5, 1923.

CLASS 36.

Orchestrions, pianos, organs, etc. Philipps Aktien-Gesellschaft. 172,694; Sept. 11; Serial No. 135,212; published May 29, 1923.
Phonographs, Sound-record tablets and recording attachments for. H. A. Miller. 173,005; Sept. 11; Serial No. 177,797; published June 5, 1923.
Pianos and phonographs. H. Lehr. 173,002; Sept. 11; Serial No. 177,494; published June 5, 1923.
Talking machines and talking-machine records. Societa Italiana di Fonotipia. 172,860; Sept. 11; Serial No 170,045; published June 5, 1923.
Violins and similar musical instruments, Strings for. M Selbach. 172,863; Sept. 11; Serial No. 171,287; published June 5, 1923.

CLASS 37.

Checks, Bank. Bankers Supply Co. 173,042; Sept. 11; Serial No. 179,391; published June 5, 1923.
Envelopes and paper. Edgar C. Ruwe Company. 172,691; Sept. 11; Serial No. 154,889; published June 5, 1923.
Envelopes, Window. Wolf Brothers. 172,897; Sept. 11; Serial No. 178,942; published June 5, 1923.
Paper. J. W. Butler Paper Company. 172,922; Sept. 11; Serial No. 177,213; published June 5, 1923.
Paper, Bond and correspondence. H. Reeve Angel & Co. 172,917; Sept. 11; Serial No. 178,020; published June 5, 1923.
Paper, Wrapping. Great Notch Paper Company. 172,915; Sept. 11; Serial No. 178,502; published June 5, 1923.
Paper, Wrapping. Huff, Barnes & Opie, Inc. 172,661; Sept. 11; Serial No. 174,520; published June 5, 1923.
Paper, Wrapping. Orono Pulp & Paper Company. 173,043; Sept. 11; Serial No. 179,549; published June 5, 1923.
Stereotyping and copying tissue. R. W. Brooks. 172,926; Sept. 11; Serial No. 176,534; published June 5, 1923.

CLASS 39.

Apparel, Ladies' and misses' wearing. Lehman Brothers, Inc. 172,603; Sept. 11; Serial No. 170,656; published June 5, 1923.
Bathing suits, Knitted and textile. Manchester Knitting Mills, Inc. 172,657; Sept. 11; Serial No. 174,844; published June 5, 1923.
Bloomers for babies and children. A. M. Breit. 172,957; Sept. 11; Serial No. 175,296; published June 5, 1923.
Caps. Pendelman Brothers Cap and Hat Manufacturing Company. 173,000; Sept. 11; Serial No. 177,287; published June 5, 1923.
Caps and aprons. Brown & Bigelow. 172,784; Sept. 11; Serial No. 160,743; published June 5, 1923.
Caps, Boys' sport. J. Kaufman & Sons. 172,754; Sept. 11; Serial No. 175,499; published June 5, 1923.
Clothing, Children's. Shotwell's Inc. 172,783; Sept. 11; Serial No. 158,403; published June 5, 1923.
Coats, Girls'. New York Girl Coat Co. 172,859; Sept. 11; Serial No. 169,491; published June 5, 1923.
Coats, skirts, knickerbockers, suits, and dresses, Women's. Cohen & Edelman. 172,602; Sept. 11; Serial No. 170,740; published June 5, 1923.
Corsets, brassières, and girdles. Birdsey-Somers Co. 172,998; Sept. 11; Serial No. 177,212; published June 5, 1923.
Dresses. Shapero, Lewis & Co. 172,861; Sept. 11; Serial No. 170,551; published June 5, 1923.
Dresses. H. E. Wolf. 173,015; Sept. 11; Serial No. 173,803; published June 5, 1923.
Dresses, rompers, overslips, and petticoats, Infants' and children's. P. Rostold. 173,026; Sept. 11; Serial No. 172,558; published June 5, 1923.
Furnishings and clothing, Women's and misses'. Best & Co. 172,970; Sept. 11; Serial No. 174,884; published June 5, 1923.
Hats and caps. Scranton Cap Manufacturing Company. 172,795; Sept. 11; Serial No. 175,214; published June 5, 1923.
Heels, soles, shoes, and top lifts. B. F. Chamberlin. 172,776; Sept. 11; Serial No. 141,856; published June 5, 1923.
Hosiery. Bear Brand Hosiery Co. 173,040; Sept. 11; Serial No. 176,595; published June 26, 1923.
Hosiery. Berger Hosiery Company. 172,931; Sept. 11; Serial No. 167,040; published June 5, 1923.
Hosiery. A. C. Hulse, jr. 172,874; Sept. 11; Serial No. 174,080; published June 5, 1923.
Hosiery. Krueger-Tobin Co. 172,962; Sept. 11; Serial No. 175,087; published June 5, 1923.
Hosiery. Moorhead Knitting Company. 172,033; Sept. 11; Serial No. 174,404; published June 5, 1923.
Hosiery and underwear, Knitted and textile. I. M. Mirsky & Son. 172,604; Sept. 11; Serial No. 170,591; published June 5, 1923.
Hosiery for men and women. W. R. Wetherhold. 173,019; Sept. 11; Serial No. 173,062; published June 5, 1923.
Knitted scarfs and bow ties. Franklin Knitting Mills, Inc. 172,958; Sept. 11; Serial No. 175,238; published June 5, 1923.
Neckties. B. Weisberg. 172,800; Sept. 11; Serial No. 174,502; published June 5, 1923.
Neckties. I. D. Wolfson, Inc. 172,600; Sept. 11; Serial No. 171,005; published June 5, 1923.
Raincoats and topcoats. C. B. Shane Co. 172,961; Sept. 11; Serial No. 175,110; published June 5, 1923.
Rubber heels and soles, shoes, etc. B. F. Chamberlain. 172,775; Sept. 11; Serial No. 141,855; published June 5, 1923.
Shirts for men, Outer, negligee, and work. Jacob Gerhardt & Company. 173,024; Sept. 11; Serial No. 172,670; published June 5, 1923.
Shirts, Work. Jay Garment Company. 172,865; Sept. 11; Serial No. 172,839; published June 5, 1923.
Shoes. A. E. Pitts Shoe Co. 172,815–16; Sept 11; Serial Nos. 172,437–8; published June 5, 1923.
Shoes. A. E. Pitts Co. 172,818; Sept. 11; Serial No. 172,436; published June 5, 1923.
Shoes. A. E. Pitts Shoe Co. 172,929; Sept. 11; Serial No. 172,435; published June 5, 1923.
Shoes and storm rubbers, Leather. O. Fuhrman, Inc. 172,821; Sept. 11; Serial No. 170,741; published June 5, 1923.
Shoes, Leather. Endicott Johnson Corporation. 172,948; Sept. 11; Serial No. 152,791; published June 5, 1923.
Stockings, Boys'. D. Salwen & Co. 173,032; Sept. 11; Serial No. 174,338; published June 5, 1923.
Suits for men and boys, Outer. J. Jamison. 173,027; Sept. 11; Serial No. 172,335; published June 5, 1923.
Suits, Men's mohair. American Summer Clo Co. 172,605; Sept. 11; Serial No. 170,553; published June 5, 1923.
Underwear. Salt's Textile Manufacturing Company. 172,857; Sept. 11; Serial No. 168,380; published June 5, 1923.
Underwear of textile fabric. Salt's Textile Manufacturing Company. 172,842; Sept. 11; Serial No. 168,376; published June 5, 1923.
Underwear of textile fabric. Salt's Textile Manufacturing Company. 172,856; Sept. 11; Serial No. 168,379; published June 5, 1923.
Underwear, sweaters, and bathing suits, Knitted. American Wholesale Corporation (Baltimore Bargain House). 173,023; Sept. 11; Serial No. 172,817; published June 5, 1923.
Wrappers, Infants'. Walnott Knitting Company. 172,599; Sept. 11; Serial No. 171,049; published June 5, 1923.

CLASS 42.

Blankets, Woolen and cotton. Fuld Brothers. 172,933; Sept. 11; Serial No. 165,132; published Aug. 1, 1922.
Cotton and silk mixture piece goods. Voss & Stern. 172,622; Sept. 11; Serial No. 160,315; published June 5, 1923.
Cotton and silk mixture piece goods. Voss & Stern. 172,623; Sept. 11; Serial No. 160,313; published June 5, 1923.
Cotton and wool piece goods. Laskin-Swatt Co. 172,607; Sept. 11; Serial No. 170,145; published June 5, 1923.
Cotton fabrics and silk fabrics in the piece. Wauregan Company. 172,994; Sept. 11; Serial No. 176,517; published June 5, 1923.
Cotton fabrics in the piece, Woven. G. A. Stafford. 172,631; Sept. 11; Serial No. 135,736; published June 5, 1923.
Cotton piece goods. Bert Levi & Co. 172,923; Sept. 11; Serial No. 177,133; published May 29, 1923.
Cotton piece goods. Graniteville Manufacturing Company. 173,067; Sept. 11.
Cotton piece goods. Hockmeyer Bros. 172,906; Sept. 11; Serial No. 179,369; published June 5, 1923.
Cotton piece goods. Kelsey Textile Corporation. 172,909; Sept. 11; Serial No. 179,275; published June 5, 1923.
Cotton piece goods. Smith, Hogg & Co. 172,905; Sept. 11; Serial No. 176,224; published June 26, 1923.
Cotton piece goods. Voss & Stern. 172,941; Sept. 11; Serial No. 160,323; published June 19, 1923.
Cotton piece goods. Wilton Manufacturing Company. 172,907–8; Sept. 11; Serial Nos. 179,288–9; published June 5, 1923.
Cotton poncee in the piece, Mercerized. Murray Trading Co. 172,844; Sept. 11; Serial No. 176,908; published May 29, 1923.
Cotton, silk, woolen, or jute fabrics. W. H. Harris. 172,902; Sept. 11; Serial No. 177,780; published June 5, 1923.
Cretonnes in the piece. Griffin & Dolson. 172,847; Sept. 11; Serial No. 176,462; published June 5, 1923.
Hair nets. Southern Commercial Company. 172,916; Sept. 11; Serial No. 178,364; published May 29, 1923.
Handkerchiefs. H. J. Cathcart. 172,904; Sept. 11; Serial No. 177,545; published June 12, 1923.
Knitted fabrics in the piece, etc. Knitted Textiles Corporation. 172,952; Sept. 11; Serial No. 174,311; published May 29, 1923.
Knitted piece goods of wool, worsted, etc. Rheinauer-Roth Knitting Mills, Inc. 172,903; Sept. 11; Serial No. 177,692; published June 5, 1923.
Linen goods in the piece, etc. Ireland Bros., Inc. 172,940; Sept. 11; Serial No. 161,255; published Oct. 17, 1922.
Linens and decorated linens in the piece. Panda-Halpern Co. 172,901; Sept. 11; Serial No. 177,963; published June 12, 1923.
Serge piece goods. H. Mitchell. 172,846; Sept. 11; Serial No. 176,492; published June 5, 1923.
Serges in the piece. Howse, Mead & Sons, Lt. 173,010; Sept. 11; Serial No. 178,722; published June 5, 1923.
Sheets, spreads, and pillowcases, Bed. Schindel & McDaniels. 172,841; Sept. 11; Serial No. 177,521; published June 5, 1923.
Shirtings and percales, Printed. Everett, Heaney & Co. 172,614; Sept. 11; Serial No. 166,821; published June 5, 1923.
Silk and velvet goods in the piece, Hand-decorated. C. E. Garratt. 172,837; Sept. 11; Serial No. 178,915; published June 5, 1923.
Silk, artificial silk, wool piece goods and combinations thereof. Travis, Romaine & JellS, Inc. 172,660; Sept. 11; Serial No. 174,543; published May 29, 1923.
Silk piece goods. M. A. Herman. 172,928; Sept. 11; Serial No. 176,407; published May 29, 1923.
Silk piece goods. D. I. Salomon. 172,930; Sept. 11; Serial No. 172,397; published June 26, 1923.
Silk piece goods. Schwarzenbach Huber Company. 172,973; Sept. 11; Serial No. 174,412; published June 5, 1923.
Silk piece goods. Susquehanna Silk Mills. 172,762; Sept. 11; Serial No. 174,868; published Apr. 17, 1923.
Silk piece goods and silk and cotton mixture piece goods. Samuel Eisenman & Co. 172,597; Sept. 11; Serial No. 171,691; published June 5, 1923.
Silks, cotton, wool, and mixtures thereof and shirtings in the piece. Turner & Walls. 172,925; Sept. 11; Serial No. 176,428; published May 29, 1923.
Wool piece goods. Roubaix Mills, Inc. 172,898; Sept. 11; Serial No. 179,167; published June 5, 1923.
Woolen fabrics. W. H. Stewart. 172,855; Sept. 11; Serial No. 175,629; published June 5, 1923.
Woolen homespun textile fabrics in the piece. Grove Park Inn, Inc. 173,020; Sept. 11; Serial No. 172,988; published June 5, 1923.
Woolen piece goods. Forstmann & Huffmann Company. 172,835; Sept. 11; Serial No. 178,989; published June 5, 1923.
Woolen piece goods. Forstmann & Huffmann Company. 172,899–900; Sept. 11; Serial Nos. 178,996–7; published June 12, 1923.
Woolen piece goods. Forstmann & Huffmann. 172,910–11; Sept. 11; Serial Nos. 178,993–4; published June 5, 1923.
Woolen piece goods. Forstmann & Huffmann Company. 172,912; Sept. 11; Serial No. 178,992; published June 5, 1923.
Woolen piece goods. Keely & Watson. 172,617; Sept. 11; Serial No. 164,852; published June 5, 1923.
Woolen piece goods. R. H. Linton. 172,836; Sept. 11; Serial No. 178,930; published June 5, 1923.
Worsted and woolen dress goods in the piece. F. A. Bochmann & Co. 172,894–5; Sept. 11; Serial Nos. 175,051–2; published May 29, 1923.

CLASS 43.

Thread for stringing pearls and beads, Silk. L. F. Rosenberg. 172,896; Sept. 11; Serial No. 178,933; published May 29, 1923.
Threads. Manufacturers Supplies Company. 172,834; Sept. 11; Serial No. 158,632; published June 5, 1923.
Yarn. C. H. Lawrence. 172,924; Sept. 11; Serial No. 177,006; published May 29, 1923.
Yarn, thread for art needlework, embroidery, etc. Bernhard Ulmann Co. 172,843; Sept. 11; Serial No. 177,421; published June 5, 1923.
Yarns. Bernhard Ulmann Co. 172,848; Sept. 11; Serial No. 176,380; published June 5, 1923.
Yarns. Bernhard Ulmann Co. 172,849; Sept. 11; Serial No. 176,378; published June 5, 1923.

CLASS 45.

Beverage sold as soft drinks and sirups for making same. Mound City Bottling Company. 172,988; Sept. 11; Serial No. 173,845; published June 12, 1923.
Water, Medicinal. C. Magee, jr. 172,832; Sept. 11; Serial No. 161,493; published May 29, 1923.

CLASS 46.

Apples, Evaporated. C. C. Hall, Inc. 172,615; Sept. 11; Serial No. 165,998; published Jan. 16, 1923.
Apples, Fresh. Otis Orchards Apple Company. 172,770; Sept. 11; Serial No. 173,361; published June 5, 1923.
Bran. Midland Flour Milling Co. 172,589; Sept. 11; Serial No. 169,368; published May 15, 1923.
Bread. Corby Baking Company. 172,633; Sept. 11; Serial No. 167,292; published June 5, 1923.
Bread. National Bakeries, Inc. 172,641; Sept. 11; Serial No. 159,763; published May 1, 1923.
Bread. D. S. Wilson, M. D. 172,831; Sept. 11; Serial No. 165,050; published May 8, 1923.
Bread, cake, pies, canned puddings, etc. Friend Brothers. 172,747; Sept. 11; Serial No. 167,518; published May 1, 1923.
Bread, cakes, and pies. Schlater's, Incorporated. 172,686; Sept. 11; Serial No. 158,902; published May 15, 1923.
Bread, crackers, and muffins. J. F. Strachan. 172,935; Sept. 11; Serial No. 163,606; published June 5, 1923.
Bread, Loaves of wheat. Jay Burns Baking Company. 172,811; Sept. 11; Serial No. 168,980; published Apr. 3, 1923.
Breads, cakes, and pastries. C. A. Franke. 172,563; Sept. 11; Serial No. 170,762; published May 1, 1923.
Butter. H. N. Brawner, jr. 172,639; Sept. 11; Serial No. 161,347; published June 5, 1923.
Butter. Clyde Creamery Company. 172,634; Sept. 11; Serial No. 167,290; published June 5, 1923.
Butter, Great Atlantic and Pacific Tea Company. 172,763; Sept. 11; Serial No. 174,776; published June 5, 1923.
Butter. Kirschbraun & Sons, Inc. 172,621; Sept. 11; Serial No. 161,687; published June 5, 1923.
Butter. Milk Producers Association of Central California. 172,595; Sept. 11; Serial No. 172,281; published June 5, 1923.
Butter. W. Perkins. 172,985; Sept. 11; Serial No. 174,027; published June 5, 1923.
Butter, eggs, and cheese. H. N. Brawner, jr. 172,585; Sept. 11; Serial No. 170,707; published May 15, 1923.
Butter, olives, and oleomargarine. Arthur E. Dorr & Co. 172,632; Sept. 11; Serial No. 80,177; published June 5, 1923.
Cake and pastry mixture. S. W. Noggle. 172,736; Sept. 11; Serial No. 169,774; published May 1, 1923.
Cake, Fruit. L. Simon. 172,554; Sept. 11; Serial No. 169,987; published May 1, 1923.
Cakes and bread. Atlas Baking Company. 172,827; Sept. 11; Serial No. 166,623; published May 15, 1923.
Candy. O. P. Baur Conf. Co. 173,073; Sept. 11.
Candy. Ohio Confection Company. 172,786; Sept. 11; Serial No. 162,763; published June 5, 1923.
Candy. Sisco Bros. Candy Co. 172,823; Sept. 11; Serial No. 168,493; published Apr. 24, 1923.
Candy. Tacoma Biscuit & Candy Company. 172,766; Sept. 11; Serial No. 174,600; published June 5, 1923.
Canned evaporated milk. C. A. Baumann. 172,780; Sept. 11; Serial No. 155,661; published June 5, 1923.
Canned fish, fruit, and vegetables. A. T. Kittle. 172,871; Sept. 11; Serial No. 173,772; published June 5, 1923.
Canned fish, fruit, and vegetables. North American Mercantile Co. 173,035; Sept. 11; Serial No. 174,909; published June 5, 1923.
Canned fruits, vegetables, and fish. Symns Grocer Co. 173,017; Sept. 11; Serial No. 173,152; published June 5, 1923.
Canned peas. Central Wisconsin Canneries. 172,873; Sept. 11; Serial No. 173,807; published June 5, 1923.

Canned vegetables. J. F. Butts Co. 173,069; Sept. 11.
Canned vegetables. Ephraim Sanitary Canning Company. 173,077; Sept. 11.
Canned vegetables. John R. Thompson Co. 172,810; Sept. 11; Serial No. 175,031; published June 5, 1923.
Canned vegetables, canned milk, catchup, flavoring extracts, and mincemeat. D. S. Williams. 172,640; Sept. 11; Serial No. 161,077; published May 1, 1923.
Cantaloupes, Fresh. C. M. Otoy & Co. 172,629; Sept. 11; Serial No. 153,687; published Aug. 22, 1922.
Cantaloupes, vegetables, fruits, and grapes, Fresh. Jack Bros. & McBurney Co. 173,079; Sept. 11.
Cheese. Mauerhofer Söhne & Co. 172,769; Sept. 11; Serial No. 173,936; published June 5, 1923.
Cheese. C. A. Straubel Co. 172,642; Sept. 11; Serial No. 157,857; published Apr. 3, 1923.
Cheese, Swiss. Alpina Cheese Co. 172,555; Sept. 11; Serial No. 170,112; published May 8, 1923.
Cheese, Swiss. Alpina Cheese Co. 172,573; Sept. 11; Serial No. 170,114; published May 8, 1923.
Chickens, Live. Lomp Valley Hatchery. 172,822; Sept. 11; Serial No. 170,146; published May 1, 1923.
Cocoa, pudding, and cornstarch. Manhattan Baking Powder Co. 172,980; Sept. 11; Serial No. 174,316; published June 5, 1923.
Coffee, tea, bread, pastry flour, marshmallow crème, and salad dressing. Huey & Mathews, Inc. 172,608; Sept. 11; Serial No. 170,019; published June 5, 1923.
Confectionery. DeKlyn Candy Company. 172,943; Sept. 11; Serial No. 156,520; published June 5, 1923.
Cookies. Iten Biscuit Co. 172,557; Sept. 11; Serial No. 171,923; published May 1, 1923.
Cookies, Fancy. Pacific Coast Biscuit Company. 172,971; Sept. 11; Serial No. 174,854; published June 5, 1923.
Corn meal. C. D. Calverley. 172,984; Sept. 11; Serial No. 174,064; published June 5, 1923.
Eggs, butter, poultry, pecans. Peter Company. 172,817; Sept. 11; Serial No. 172,434; published May 8, 1923.
Feed and rations, Dairy. Kasco Mills, Inc. 172,944; Sept. 11; Serial No. 158,872; published June 5, 1923.
Feed, calf meal, egg mash, etc., Poultry, scratch, chicken, hog, dairy, and horse. Thomas-Boyce Direct Feed Company. 172,749; Sept. 11; Serial No. 165,895; published May 1, 1923.
Feed, Dairy. Albert Dickinson Company. 172,812; Sept. 11; Serial No. 175,074; published June 5, 1923.
Feed for poultry, Scratch. Lawrenceburg Roller Mills Co. 172,981; Sept. 11; Serial No. 174,314; published June 5, 1923.
Feed, Horse. Quaker Oats Company. 172,983; Sept. 11; Serial No. 174,104; published June 5, 1923.
Feed, Horse. Quaker Oats Company. 173,029; Sept. 11; Serial No. 174,103; published June 5, 1923.
Feed, Horse and mule. Sturges Company. 172,743; Sept. 11; Serial No. 168,079; published May 1, 1923.
Feed, Mixed stock. Quaker Oats Company. 173,028; Sept. 11; Serial No. 174,101; published June 5, 1923.
Feed, Poultry. Albert Dickinson Company. 172,965; Sept. 11; Serial No. 175,073; published June 5, 1923.
Feed, Poultry. Quaker Oats Company. 172,671; Sept. 11; Serial No. 174,106; published May 15, 1923.
Feed, Poultry. Quaker Oats Company. 172,760; Sept. 11; Serial No. 174,921; published June 5, 1923.
Feed, Stock. Quaker Oats Company. 173,030; Sept. 11; Serial No. 174,105; published June 5, 1923.
Feed, Stock and poultry. United Alfalfa Co. 172,618–19; Sept. 11; Serial Nos. 162,783–4; published June 5, 1923.
Fish flakes, codfish cakes, clams, etc. Burnham & Morrill Company. 173,016; Sept. 11; Serial No. 173,399; published June 5, 1923.
Flavoring compound, Artificial-vanilla. C. A. Bell. 172,858; Sept. 11; Serial No. 169,148; published June 5, 1923.
Flour, Self-rising. Atlanta Milling Co. 172,738; Sept. 11; Serial No. 169,345; published Feb. 27.
Flour, Self-rising. Ballard & Ballard Company. 172,625; Sept. 11; Serial No. 159,078; published June 5, 1923.
Flour, Self-rising. Lawrenceburg Roller Mills Co. 172,601; Sept. 11; Serial No. 170,771; published June 5, 1923.
Flour, Wheat. Abilene Flour Mills Co. 172,596; Sept. 11; Serial No. 171,780; published June 5, 1923.
Flour, Wheat. American Dealers Trading Corporation. 172,986; Sept. 11; Serial No. 173,990; published June 5, 1923.
Flour, Wheat. Ballard and Ballard Company. 172,626; Sept. 11; Serial No. 156,434; published June 5, 1923.
Flour, Wheat. Black Bros. Flour Mills. 172,824; Sept. 11; Serial No. 167,703; published June 5, 1923.
Flour, Wheat. J. W. Denio Milling Company. 172,636; Sept. 11; Serial No. 164,025; published May 1, 1923.
Flour, Wheat. J. W. Denio Milling Company. 172,934; Sept. 11; Serial No. 164,024; published June 5, 1923.
Flour, Wheat. Dunlop Milling Co. 172,936; Sept. 11; Serial No. 162,808; published June 5, 1923.
Flour, Wheat. D. Hecht. 172,750; Sept. 11; Serial No. 165,871; published May 1, 1923.
Flour, Wheat. Hecker-Jones-Jewell Milling Company. 172,756; Sept. 11; Serial No. 175,241; published June 5, 1923.
Flour, Wheat. Holland O'Neal Milling Co. 172,757; Sept. 11; Serial No. 175,102; published June 5, 1923.
Flour, Wheat. Midland Flour Milling Co. 172,759; Sept. 11; Serial No. 175,095; published June 5, 1923.
Flour, Wheat. Nebraska Mill & Elevator Co. 172,758; Sept. 11; Serial No. 175,100; published June 5, 1923.
Flour, Wheat. Northfield Flour Mills Company. 172,765; Sept. 11; Serial No. 174,630; published June 5, 1923.
Flour, Wheat. Parham-Lindsay Grocery Co. 172,639; Sept. 11; Serial No. 162,048; published May 1, 1923.
Flour, Wheat. Pillsbury Flour Mills Company. 172,951; Sept. 11; Serial No. 174,334; published June 5, 1923.
Flour, Wheat. Frank R. Prinn Corporation. 172,648; Sept. 11; Serial No. 149,352; published May 1, 1923.
Flour, Wheat. Quaker Oats Company. 172,761; Sept. 11; Serial No. 174,920; published June 5, 1923.
Flour, Wheat. Quaker Oats Company. 172,801; Sept. 11; Serial No. 174,107; published May 15, 1923.
Flour, Wheat. Red Star Milling Company. 172,991; Sept. 11; Serial No. 173,242; published June 5, 1923.
Flour, Wheat. Sperry Flour Co. 172,638; Sept. 11; Serial No. 163,294; published Jan. 30, 1923.
Flour, Wheat. G. A. Zabriskie. 172,613; Sept. 11; Serial No. 167,155; published June 5, 1923.
Flour, White and Graham. D. J. Toomey Produce Co. 173,031; Sept. 11; Serial No. 174,188; published June 5, 1923.
Flours, L. & E. Frenkel, Inc. 172,767; Sept. 11; Serial No. 174,433; published June 5, 1923.
Food, Cereal breakfast. Battle Creek Food Company. 172,764; Sept. 11; Serial No. 174,722; published June 5, 1923.
Food-flavoring extracts and coffee. C. A. Murdock Mfg. Co. 172,978; Sept. 11; Serial No. 175,805; published June 19, 1923.
Food for dogs and cats, Milk. Spratt's Patent Limited. 172,947; Sept. 11; Serial No. 153,858; published June 5, 1923.
Foods and feed for poultry, live stock, and cattle. I. I. Irwin. 172,583; Sept. 11; Serial No. 170,821; published June 5, 1923.
Foods, Poultry. W. B. Black. 172,564; Sept. 11; Serial No. 170,750; published May 1, 1923.
Fruit or berry juice to make jelly. H. L. Hulburt. 172,870; Sept. 11; Serial No. 173,648; published June 5, 1923.
Fruits, Dried. C. C. Hall Inc. 172,867; Sept. 11; Serial No. 173,421; published June 5, 1923.
Gelatin. E. C. Rich, Inc. 172,624; Sept. 11; Serial No. 159,105; published July 25, 1923.
Grapes and cantaloupes, Fresh. Ben H. Arkelian & Co. 172,788; Sept. 11; Serial No. 164,482; published June 5, 1923.
Gum, Chewing. Goudey Gum Company. 172,781; Sept. 11; Serial No. 156,001; published June 5, 1923.
Ice-cream dainties, Frozen. C. Pulliam. 173,003; Sept. 11; Serial No. 177,572; published May 29, 1923.
Lard. Boyd, Lunham & Company. 173,034; Sept. 11; Serial No. 174,607; published June 5, 1923.
Mash, Chick. American Milling Company. 173,021; Sept. 11; Serial No. 172,926; published June 5, 1923.
Mash, Egg. American Milling Company. 173,022; Sept. 11; Serial No. 172,925; published June 5, 1923.
Meat pies, dumplings, etc. W. H. Brooks. 172,611; Sept. 11; Serial No. 167,597; published June 5, 1923.
Milk and cream, butter, milk, and cottage cheese, Raw. Kelly-Lester Milk Company. 172,610; Sept. 11; Serial No. 168,717; published June 5, 1923.
Milk, butter, eggs, and cheese, Raw and pasteurized. H. N. Brawner, jr. 172,566; Sept. 11; Serial No. 170,739; published May 1, 1923.
Milk, butter, eggs, and cheese, Raw and pasteurized. H. N. Brawner, jr. 172,684; Sept. 11; Serial No. 161,349; published May 15, 1923.
Oats and wheat food, Rolled. Quaker Oats Company. 172,768; Sept. 11; Serial No. 174,335; published June 5, 1923.
Oats, Rolled. Quaker Oats Company. 173,012; Sept. 11; Serial No. 173,983; published June 5, 1923.
Oranges and lemons. L. A. Banks. 172,620; Sept. 11; Serial No. 161,960; published Dec. 26, 1922.
Oysters. McNasby Oyster Co. 172,946; Sept. 11; Serial No. 155,269; published June 5, 1923.
Oysters and clams, cooked lobsters, scallops, etc. J. G. Patton. 172,774; Sept. 11; Serial No. 101,176; published June 5, 1923.
Peanuts and almonds, peanut butter, olive oil, etc., Salted. Kondit Co. 173,096; Sept. 11.
Poultry and eggs, Dressed. C. J. Loyd. 172,755; Sept. 11; Serial No. 175,255; published June 5, 1923.
Poultry and eggs, Live. A. H. Shaw. 172,643; Sept. 11; Serial No. 157,855; published May 1, 1923.
Preparation made from rice. Vita Rice Products Co. 172,945; Sept. 11; Serial No. 155,841; published May 1, 1923.
Salad dressing, mayonnaise, tartar sauce, etc. Dainty Maid Company. 172,805; Sept. 11; Serial No. 150,138; published June 5, 1923.
Salad dressings, mayonnaise dressings, horse-radish relishes, and mustard relishes. Quality Specialty Company. 172,864; Sept. 11; Serial No. 172,393; published June 5, 1923.
Scratch, hen and chick laying mash, dairy and horse feed. Owensboro Milling Co. 172,562; Sept. 11; Serial No. 170,895; published May 1, 1923.

Semolinas, rices, alimentary pastes, and biscuits. "Cérès" Docks. Minoterie. Semouleric Pates Alimentaires. 172,647; Sept. 11; Serial No. 153,385; published May 8, 1923.
Sirup, Table. D. B. Scully Syrup Company. 172,872; Sept. 11; Serial No. 173,786; published June 5, 1923.
Spices, birdseed, seasoning herbs, etc. Archibald & Lewis Company. 172,932; Sept. 11; Serial No. 165,475; published June 5, 1923.
Spices, flavoring essences for food, extracts, etc. H. A. Tuckett Company. 172,785; Sept. 11; Serial No. 162,075; published June 5, 1923.
Sugar, rice, coffee, etc. Netherlands Corporation For Overseas Trade, Inc. 172,989; Sept. 11; Serial No. 173,525; published June 5, 1923.
Sugar, rice, pepper, etc. Netherlands Corporation For Overseas Trade, Inc. 172,990; Sept. 11; Serial No. 173,523; published June 5, 1923.
Vinegar. A. W. Hinchliffe. 173,068; Sept. 11.

CLASS 48.

Malt extract. Ebling Company. 173,083; Sept. 11.

CLASS 50.

Beehives and comb foundations. A. I. Root Co. 172,654; Sept. 11; Serial No. 128,133; published June 5, 1923.
Bibs and shampoo protectors, Barber. Canfield Rubber Company. 173,075; Sept. 11.
Fly swatters. U. S. Manufacturing Corporation. 172,889–91; Sept. 11; Serial Nos. 175,686–8; published June 5, 1923.
Glass cloth. A. S. Turner. 173,086; Sept. 11.
Implements for killing and disabling insects, flies, and the like. U. S. Manufacturing Corporation. 172,577; Sept. 11; Serial No. 172,453; published June 5, 1923.
Leather and rubber surface cloth. Chemitex Products Company. 172,669; Sept. 11; Serial No. 174,233; published June 5, 1923.
Rug and carpet holders and materials for same. L. C. Chase & Company. 172,668; Sept. 11; Serial No. 174,289; published June 5, 1923.
Stepladders, Folding. F. M. de Saussure, jr. 173,078; Sept. 11.
Tags. Fogarty Manufacturing Company. 172,887; Sept. 11; Serial No. 175,783; published June 5, 1923.

ALPHABETICAL LIST OF LABELS.

A Little Of Everything. For Chocolates. Bunte Brothers. 26,367; Sept. 11.
Ant-Roach Powder. For Containers Containing an Insect Exterminator. Ant-Roach Powder Company. 26,364; Sept. 11.
Anti-Roach Powder. For Containers Containing a Roach Exterminator. Ant-Roach Powder Company. 26,365; Sept. 11.
Baby Peggy. For Dolls. Louis Amberg & Son. 26,363; Sept. 11.
Betsy Ross. For Bread. Menasha Printing and Carton Company. 26,383; Sept. 11.
"Blue Flag" Brand White Meat Tuna. For Canned Tuna Fish. N. Tatsukawa. 26,388; Sept. 11.
Carnation Brand Malt Sirup. For Malt Sirup. I. & P. Products Co. 26,373; Sept. 11.
Cleanse-All. For a Cleansing Preparation Made from Certain Pine Products. Cleanse-All Company. 26,368; Sept. 11.
Clover Blossom Butter. For Butter. Menasha Printing and Carton Company. 26,381; Sept. 11.
Fleur De Lis. For Sulphur. Kutner-Goldstein Co. 26,374; Sept. 11.
Flower Garcia. For Cigars. M. & D. Dastin. 26,369; Sept. 11.
Frank's Quality Sauerkraut. For Canned Sauerkraut. Frank Pure Food Company. 26,371; Sept. 11.
Holland's Raisin Bread. For Bread. Menasha Printing and Carton Company. 26,379; Sept. 11.
Mah Deuck. For a Game. B. Levison. 26,375; Sept. 11.
Mar-Son Preparation. For Tooth Paste. Mar-Son Medicine Co. 26,376; Sept. 11.
Marvel. For a Luting Composition. F. R. Schulz. 26,387; Sept. 11.
Maywood. For Canned Olives. Maywood Packing Company. 26,377; Sept. 11.
Melodew Prepared Liquid Choclet. For Chocolate. Melodew Corporation. 26,378; Sept. 11.
Old Mission Toffee. For Toffee Candy. Geo. Haas & Sons. 26,372; Sept. 11.
Pabst Sheboygan. For Ginger Ale. Pabst Corporation. 26,385; Sept. 11.
Parry's Vegetable Compound. For Vegetable Compound. Parry Vegetable Compound Co. 26,386; Sept. 11.
Piper's Ice Cream. For Ice Cream. Menasha Printing and Carton Company. 26,384; Sept. 11.
Rainbow-Sundae. For Ice-cream Tops and Cake Icing. Atlas Candy Company. 26,366; Sept. 11.
Reali-Good Butter. For Butter. Menasha Printing and Carton Company. 26,380; Sept. 11.
Tiny Pops. For Stick Candy. Davis-Reece Co. 26,370; Sept. 11.
Topaz Dairy. For Butter. Menasha Printing and Carton Company. 26,382; Sept. 11.

ALPHABETICAL LIST OF PRINTS.

Cap'n. Grapejack. For Nonalcoholic, Noncereal, Maltless Beverages. Good-Grape Company. 6,879; Sept. 11.
Different from all other tooth pastes. For Dental Cream. E. R. Squibb & Sons. 6,885; Sept. 11.
Esso. For Petroleum, Gasoline, Refined Oils, Lubricating Oils, Greases, and Other Petroleum Products. Standard Oil Company (New Jersey.) 6,886; Sept. 11.
Gridley. For Metal-Working Machines and Tools. National Acme Company. 6,881; Sept. 11.
Half past eight-Ten O'clock. For Domestic-Labor-Saving Devices, Particularly Ironers. Apex Electrical Manufacturing Company. 6,877; Sept. 11.
Hinds Honey and Almond Cream. For Honey and Almond Cream. A. S. Hinds Co. 6,880; Sept. 11.
My wife asked me to do this. For Palmolive Shampoo. Palmolive Company. 6,882; Sept. 11.
Put Your Name On My Face. For Thermometers. Standard Thermometers Co. 6,887; Sept. 11.
Stop Your Own Roof Leaks With Feder's Jiffy Easy Roof Repair Outfit. For Roof-Repair Outfits. D. H. Feder. 6,878; Sept. 11.
The Priceless Ingredient. For Drugs. E. R. Squibb & Sons. 6,884; Sept. 11.
Why Not Both In One? For Dental Cream. E. R. Squibb & Sons. 6,883; Sept. 11.

CLASSIFIED LIST OF TRADE-MARK TITLES.

PUBLISHED FOR OPPOSITION.

[Act of Feb. 20, 1905, Sec. 6, as amended Mar. 2, 1907.]

CLASS 2.

Baskets. Edgerton Manufacturing Co. 183,698; Sept. 11.

CLASS 3.

Hand bags, etc., Ladies' and children's. M. J. Vogel. 177,153; Sept. 11.
Leather goods, Fancy. F. E. Sexauer. 117,254; Sept. 11.

CLASS 4.

Polish, shaving cream, soap, etc., Shoe. MacLean Drug Company. 176,504; Sept. 11.
Polishes, Metal. J. T. Wood. 179,981; Sept. 11.
Soap. A. Maisin. 164,060; Sept. 11.
Washing cleanser. Neutral Soap Co. 176,642; Sept. 11.
Washing or cleaning powder. Warren Soap Manufacturing Company. 166,967; Sept. 11.

CLASS 5.

Adhesive compound. California Central Creameries. 180,840; Sept. 11.
Adhesive for bandaging. C. W. Cook. 178,827; Sept. 11.

CLASS 6.

Acetyl-amino-oxy-phenyl arsenic acid. Etablisements Poulenc Frères. 173,745; Sept. 11.

PUBLISHED FOR OPPOSITION.

[Act of Feb. 20, 1905, Sec. 6, as amended Mar. 2, 1907.]

Beauty clay. W. B. Cleves. 179,655; Sept. 11.
Beauty clay. Terra Vitae Company. 178,416; Sept. 11.
Dentifrice. C. C. Cummins. 171,452; Sept. 11.
Dyestuffs. C. H. A. Schmitt Company. 180,622; Sept. 11.
Dyestuffs, dyestuff intermediates, and chemicals. E. I. du Pont de Nemours & Company. 172,869; Sept. 11.
Emollient for use for chapped skin, sunburn, etc. J. Barab. 179,085; Sept. 11.
Foot balm. L. Hofer. 179,793; Sept. 11.
Hair remover. H. S. Hinkle. 180,066; Sept. 11.
Insecticides. D. Klebanoff. 179,375; Sept. 11.
Laxative. Agrilin Chemical Company. 181,970; Sept. 11.
Lip sticks, eye brow and lash dressing, creams, etc. Delica Laboratories Co. 179,461; Sept. 11.
Medical compound for treating corns. G. A. Breon. 180,167; Sept. 11.
Medicinal preparations. I. J. Epstein. 174,729; Sept. 11.
Medicinal preparations. Independent Drug Company. 180,865; Sept. 11.
Medicine, Nerve tonic. Macphee & Company. 179,806; Sept. 11.
Nail polishes, paste polish, etc. L. Singer. 178,290; Sept. 11.
Oils, castor oil aromatic, iron chincona bitters, etc., Almond and castor. Eridanea Company, Inc. 177,080; Sept. 11.
Perfume, toilet waters, talcum and face powder, etc. Oakley & Co. 173,779; Sept. 11.
Perfumes, toilet water, cleansing cream, etc. National Chemical Co. 179,815; Sept. 11.
Perfumery, cream, lotion, rouge, etc. L. Scherk. 179,966; Sept. 11.
Powders, rouge, toilet water, etc., Talcum and face. A. P. Babcock Company. 180,827; Sept. 11.
Powders, skin creams, etc., Face and sachet. H. C. Schaefer. 179,485; Sept. 11.
Preparation for the relief of coughs, etc. L. S. Gibson. 180,759; Sept. 11.
Preparations and tonic medicine. Charles H. Phillips Chemical Co. 178,466; Sept. 11.
Preparations and tonic medicines. Charles H. Phillips Chemical Co. 178,463; Sept. 11.
Preparations for the relief of itching, inflammation and irritation of the skin, biliousness, etc. C. G. Luther. 156,331; Sept. 11.
Rust remover and pickling compound for metals. Peter A. Frasse & Co. 180,853; Sept. 11.
Rust remover and preventive. W. Wandel Mfg. Co. 179,573; Sept. 11.
Salve, Corn. M. M. Winchell Co. 180,092; Sept. 11.
Sulphur. San Francisco Sulphur Co. 181,351; Sept. 11.
Tonic for kidney and bladder derangements, Stimulating. J. N. Greene. 179,467; Sept. 11.

CLASS 13.

Valves, traps, and regulators. Kieley Mueller, Inc. 183,071; Sept. 11.

CLASS 14.

Metals and their alloys, Nonferrous. Smith & Egge Mfg. Co. 181,704; Sept. 11.

CLASS 15.

Coating material. Brogdex Company. 175,708; Sept. 11.
Gasoline, kerosene, and motor oils. Arro Oil & Refining Company. 179,643; Sept. 11.
Oils and greases. Standard Oil Company (New Jersey). 181,659–60; Sept. 11.

CLASS 16.

Colors and artist oil colors, Liquid water. Philip Ruxton, Incorporated. 182,616; Sept. 11.
Paint, colors in oil, zinc paste, etc., Soft-tone flat wall. Winchester Repeating Arms Co. 175,751; Sept. 11.
Paints and shellac, Wood-preserving. Davey Tree Expert Company. 182,296; Sept. 11.
Paints and varnishes. Glidden Company. 172,672; Sept. 11.
Paints, enamels, stains, varnishes, etc. Acme White Lead & Color Works. 160,915; Sept. 11.
Paints, varnishes, etc. Enterprise Paint Mfg. Co. 174,826; Sept. 11.
Polish for furniture, pianos, autos, etc. Visco-Chemical Products Company. 180,568; Sept. 11.
Waterproof enamel. Gold Medal Water-Proofing Co. 168,606; Sept. 11.
Wax for finishing and polishing floors, etc., and a paint and varnish remover. S. C. Johnson & Son. 182,102; Sept. 11.
Wood preservatives, Creosote. Western Electric Company. 183,240; Sept. 11.

CLASS 17.

Cigarettes. Tobacco Products Corporation. 183,459; Sept. 11.
Cigars. Consolidated Cigar Corporation. 183,734; Sept. 11.
Cigars. Davis, Sherk & Mason Cigar Co. 182,654; Sept. 11.
Cigars. S. S. Pierce Co. 183,043; Sept. 11.
Cigars and tobacco. Wm. Boucher & Sons. 174,816; Sept. 11.

CLASS 19.

Windshield shades, Motor vehicle. MotoVisor Company. 149,858; Sept. 11.

CLASS 20.

Linoleum and oiled cloth. Columbus-Union Oil Cloth Co. 181,383; Sept. 11.

CLASS 22.

Bait, Salmon eggs for. Mrs. R. Carruthers. 183,362; Sept. 11.
Dolls. Ideal Novelty & Toy Co. 183,524; Sept. 11.
Minnows, Artificial. J. Wigart. 182,946; Sept. 11.
Toy automobiles. Abraham & Straus, Inc. 183,016; Sept. 11.
Toy dogs. Wahoo Novelty Works. 182,843; Sept. 11.

CLASS 23.

Agricultural hand implements for hoeing and digging. American Fork & Hoe Company. 179,509; Sept. 11.
Automobile foot throttles. American Mechanical Works. 182,393; Sept. 11.
Beater and whipper, Water-power. P-K Manufacturing Company. 182,257; Sept. 11.
Carburetors and parts thereof. Eagle Carburetor Company. 181,823; Sept. 11.
Dies, vises, etc. Crown Die and Tool Company. 181,818; Sept. 11.
Gates for granular materials. Beaumont Mfg. Company. 181,930; Sept. 11.
Harvesters, thrashers, and combined harvesters and thrashers. Holt Manufacturing Company. 182,213; Sept. 11.
Razor sets. American Safety Razor Corporation. 182,493; Sept. 11.
Shovels, spades, scoops, etc. Baldwin Tool Works. 166,638; Sept. 11.
Valves, Puppet. Fansteel Products Company. 182,964–5; Sept. 11.
Wrenches. Y. M. Bledsoe. 183,187; Sept. 11.
Wrenches and parts thereof. Henry & Allen. 183,034; Sept. 11.

CLASS 26.

Meters, Lubrication. Radio Engineering Company of New York, Inc. 162,695; Sept. 11.
Temperature and draft regulating and controlling instruments. Honeywell Heating Specialties Company. 175,395; Sept. 11.

CLASS 31.

Filtration materials. Adamite Filtration Co. 182,326; Sept. 11.
Refrigerator display cases. City Refrigerator Company. 181,880; Sept. 11.

CLASS 32.

Cabinets, Stencil. Elliott Company. 180,693; Sept. 11.
Furniture, Domestic. Faultless Iron Works. 163,748; Sept. 11.
Mattresses. John Hoey & Co. 177,085; Sept. 11.
Springs and bedsteads, Bed. Norfolk Mattress Company. 180,547; Sept. 11.

CLASS 35.

Belting, Leather. John Ormerod & Sons, Ltd. 170,832; Sept. 11.

CLASS 37.

Currency straps. Spurgin Manufacturing Company. 183,601–6; Sept. 11.
Currency straps. Spurgin Manufacturing Company. 183,607; Sept. 11.
Currency straps. Spurgin Manufacturing Company. 183,608; Sept. 11.
Duplicating rolls. Beck Duplicator Company. 177,065; Sept. 11.
Paper. Chicago Paper Company. 171,726; Sept. 11.
Paper. Chicago Paper Company. 171,728; Sept. 11.
Paper. Gilbert Paper Co. 182,410; Sept. 11.
Paper and envelopes, Writing. Rose Company. 183,232; Sept. 11.
Paper, blank books, etc. Levey Printing Company. 173,508; Sept. 11.
Paper, Bond. Louisville Paper Co. 181,901–2; Sept. 11.
Paper, Bristol. American Writing Paper Company. 182,037; Sept. 11.
Paper, Enameled book. Martin Cantine Co. 182,980–1; Sept. 11.
Paper, paper towels, pencils, etc., Toilet. Fisher Bros. Paper Co. 181,742; Sept. 11.
Paper, tablets, papeteries, etc., Writing. Central Ohio Paper Company. 179,458; Sept. 11.
Paper towels, napkins, and wrappers for delicatessen lunches. H. N. Goldsmith. 182,750; Sept. 11.
Paper wadding. American Lace Paper Company. 182,784; Sept. 11.

Paper, Wall. Arrow Paint & Wall Paper Company. 182,643; Sept. 11.
Paper, Wrapping. Whitaker Paper Company. 170,737; Sept. 11.
Pencils. Joseph Dixon Crucible Company. 123,798; Sept. 11.
Tablets and school pads. Jackson Paper Co. 182,816; Sept. 11.

CLASS 38.

Bonds, Long-term and installment. Jonathan H. Winters Company. 180,314; Sept. 11.
Circulars, bulletins, etc., Printed. International Bank. 182,310; Sept. 11.
Magazine. The Beanpot. 163,571; Sept. 11.
Magazine issued monthly. Commercial Truck Company. 183,196; Sept. 11.
Magazine, Monthly. Holland Furnace Company. 181,024; Sept. 11.
Magazine supplement, Weekly. Tribune Company. 166,412; Sept. 11.
Magazines, Monthly. St. L. Estes. 179,716; Sept. 11.
Musical publications. Forster Music Publisher, Inc. 182,094; Sept. 11.
Newspaper. Cleveland Shopping News Company. 159,409; Sept. 11.
Periodical, Monthly. Yellow Cab Manufacturing Co. 181,329; Sept. 11.
Periodicals. H. K. Miller. 183,220; Sept. 11.
Periodicals, Monthly. H. K. Miller. 182,600; Sept. 11.
Publication. Park & Pollard Company. 180,955; Sept. 11.
Publication, Monthly. Charleston Electrical Supply Co. 173,277; Sept. 11.
Publication, Monthly. Diamond Cab Sales Corporation. 181,014; Sept. 11.
Publication, Monthly. G. F. Whitehouse. 180,997; Sept. 11.
Publications, Weekly. Bankers Supply Co. 181,509; Sept. 11.

CLASS 39.

Apron and girdle supporters, Household. A. Stein & Company. 183,003; Sept. 11.
Blouses and shirts, Boys'. Burnstein–Friedland & Co. 166,976; Sept. 11.
Brassières. Charles R. De Bevoise Co. 181,983; Sept. 11.
Brassières. Modishform Brassiere Co. 180,291; Sept. 11.
Brassières and corsets. J. M. Kinney. 181,898; Sept. 11.
Brassières and girdles. La Belle Brassiere Co. 179,209; Sept. 11.
Clothing, coats, suits, and dresses, Outer. P. H. Samplinner Company. 180,724; Sept. 11.
Clothing for boys. Ben. Wiener & Co. 176,931; Sept. 11.
Clothing, Work. J. O. Fly. 181,389; Sept. 11.
Coats, Ladies'. Superior Garment Company. 181,356; Sept. 11.
Collars and cuffs. Franklin Simon & Co. 173,338; Sept. 11.
Collars, pyjamas, and shirts. H. Berger. 180,739; Sept. 11.
Dresses. S. Moses. 181,140–1; Sept. 11.
Dresses, Ladies' and misses'. D. E. Perper. 182,835; Sept. 11.
Football boots of leather. Mantield and Sons, Limited. 173,935; Sept. 11.
Garters. A. M. Malouf. 179,618; Sept. 11.
Gloves, Fabric. Wimelbacher & Rice. 175,046; Sept. 11.
Gloves, Leather. California Glove Company. 181,337; Sept. 11.
Gloves, Leather. Elite Glove Co. 177,172; Sept. 11.
Hat linings. J. H. Rubinow. 181,699; Sept. 11.
Hats. Dunlap & Co. 180,657; Sept. 11.
Hats. A. Lanfranchi. 177,305; Sept. 11.
Hats and caps. Fashion Hat Company. 179,299; Sept. 11.
Hats and shirts, Men's. L. Klein, Inc. 174,308; Sept. 11.
Hats for men. M. S. Levy & Sons Inc. 181,490; Sept. 11.
Hats, Ladies' trimmed. H. Siegel. 180,399; Sept. 11.
Hats, Men's. Edw. P. Cunningham, Inc. 181,514; Sept. 11.
Hats, Misses' and children's. Consolidated Hat Co. 181,674; Sept. 11.
Hosiery. Chester Knitting Mills. 166,173; Sept. 11.
Hosiery. C. H. Goepel, jr. 178,719; Sept. 11.
Hosiery. H. C. F. Koch & Co. 177,389; Sept. 11.
Hosiery. Richmond Hosiery Mills. 182,888; Sept. 11.
Hosiery. Thieme Brothers Company. 180,632; Sept. 11.
Knickerbockers. Solomon Mfg. Co. 167,333; Sept. 11.
Knitted coats. Ely & Walker Dry Goods Company. 178,096; Sept. 11.
Neckties. Meyer, Bacharach & Friedheim. 174,184; Sept. 11.
Neckties. A. Morar. 182,925; Sept. 11.
Neckties, cravats, and scarfs. Franc-Strohmenger & Cowan, Inc. 183,105; Sept. 11.
Overcoats, raincoats, smoking jackets, etc. Heidelberg, Wolff & Co. 179,727–8; Sept. 11.
Putties. Leather. Williams Manufacturing Company. 181,799; Sept. 11.
Rubber boots, shoes, overshoes, etc. Hood Rubber Company. 179,040; Sept. 11.
Rubber heels and arch cushions. Flexo Manufacturing Company. 181,018; Sept. 11.
Shirts, Columbia Shirt Company. 180,788–9; Sept. 11.
Shirts, Jacob Miller's Sons Co. 181,039; Sept. 11.
Shirts and boys' shirts and blouses. Louis Diamond Co. 180,922; Sept. 11.
Shirts, blouses, and pyjamas. Phillips-Jones Corporation. 183,122; Sept. 11.
Shirts, Men's. W. T. Grant Company. 180,472; Sept. 11.
Shoes. Brown Shoe Company. 179,180; Sept. 11.
Shoes, Leather. C. C. Blake, Incorporated. 181,877; Sept. 11.
Suits and coats, Ladies'. Cohn-Goodman Co. 179,852; Sept. 11.
Suits and girls' dresses, Boys'. B. Rubinsky. 174,262; Sept. 11.
Suits, Boys'. Little Buddy Suit Company. 181,082; Sept. 11.
Suits, overcoats, trousers, etc. Daniel Boone Woolen Mills, Inc. 180,685; Sept. 11.
Suits, Women's. L. Bamberger & Co. 160,483; Sept. 11.
Underwear, footwear, neckwear, shirts, Men's and boys'. Saks & Company. 172,444; Sept. 11.
Underwear, Men's. C. M. Walker. 175,446; Sept. 11.
Underwear of textile fabric for women. Sterling Underwear Company. 180,561; Sept. 11.

CLASS 40.

Pins and hand sewing needles, Common. William Prym Company. 175,996; Sept. 11.
Shoulder straps, Flexible. H. T. Applegate. 165,054; Sept. 11.

CLASS 41.

Umbrellas and parasols. J. Grossman. 176,341; Sept. 11.

CLASS 42.

Cotton linings in the piece. Marshall Field & Company. 179,524; Sept. 11.
Cotton piece goods. J. I. Hart. 183,569–70; Sept. 11.
Laces and upholstery goods. Alb. & E. Henkels, Inc. 169,210–11; Sept. 11.
Silks and laces in the piece. Chas. A. Stevens & Bros. 182,447; Sept. 11.
Silks in the piece. Chas. A. Stevens & Bros. 182,446; Sept. 11.
Woolen piece goods. E. J. Wile & Co. 181,926; Sept. 11.

CLASS 44.

Buffing implements, etc., Manicurists'. P. C. P. Booty. 171,411; Sept. 11.
Dental fillings, Foundation and pulp protector used in making metal. H. B. Garrison. 183,269; Sept. 11.

CLASS 46.

Apples, Fresh. Cashmere Fruit Growers Union. 182,563; Sept. 11.
Apples, Fresh. Growers Service Co. 171,840; Sept. 11.
Beverages or cooking, Ingredient used in food. Douglas & Burns, Ltd. 168,402; Sept. 11.
Birdseed, flavoring extract, fish food, olive oil, etc. Owl Drug Company. 166,400; Sept. 11.
Bread. American Bakery Company. 175,179; Sept. 11.
Bread. Bixler Baking Company. 176,597; Sept. 11.
Bread, cake, and breakfast cereal. Ward Baking Company. 179,441; Sept. 11.
Butter. S. T. Edel's Sons. 161,415; Sept. 11.
Butter. T. F. Gallagher. 159,466; Sept. 11.
Butter. Western Ohio Creamery Co. 174,272; Sept. 11.
Butter, oleomargarine, eggs, etc. Dunlevy Packing Company. 150,311; Sept. 11.
Cake. R. B. Ward & Co. 180,995; Sept. 11.
Cake icing, pie filling, shredded coconut, etc. Mills Brothers Company. 174,716; Sept. 11.
Cakes. Loose-Wiles Biscuit Company. 179,542; Sept. 11.
Candies. John B. Arata Jr., Inc. 180,515; Sept. 11.
Candies. Loft, Inc. 180,708; Sept. 11.
Candies, Chocolate. Shapiro Candy Mfg. Co. 163,599; Sept. 11.
Candy. Val Blatz Jr. Candy Co. 179,291; Sept. 11.
Candy. Bonita Co. 179,849; Sept. 11.
Candy. Buttersweet Products Corporation. 180,580; Sept. 11.
Candy. Dolly Varden Chocolate Company. 182,236; Sept. 11.
Candy. F. J. M. Rademaker. 166,571; Sept. 11.
Candy. Schutter-Johnson Candy Co. 180,555–7; Sept. 11.
Candy. Standard Candy Company. 179,492; Sept. 11.
Canned fish. Altoona Packing Company. 178,543; Sept. 11.
Canned fish. Taylor & Sledd, Inc. 176,927; Sept. 11.
Canned fish, vegetables, and fruits, jams, etc. Taylor & Sledd, Inc. 176,926; Sept. 11.
Canned fruits and vegetables, condiments, rice, etc. Holstein Harvey, Inc. 166,369; Sept. 11.
Canned salmon. Stuart Packing Corporation. 182,622; Sept. 11.

Canned sardines. Austin, Nichols & Co. 178,206; Sept. 11.
Canned shrimp. Grand Lake & Gulf Shrimp Company. 182,512–13; Sept. 11.
Canned sweet corn. Faribault Canning Co. 182,408; Sept. 11.
Canned tomatoes and preserved pickles. Keokuk Canning Company. 179,276; Sept. 11.
Cantaloupes. W. T. Lane, jr. 180,015; Sept. 11.
Cantaloupes, cassaba, and vegetables, Fresh. Half Moon Fruit & Produce Co. 159,870; Sept. 11.
Capers, vinegar, olives, pickles, lard, etc. C. Perceval. 177,049; Sept. 11.
Chicks, Live. Henry Little & Sons. 167,086; Sept. 11.
Chowchow pickle, mixed pickle, sour onions, etc. Silver Lane Pickle Company. 179,562; Sept. 11.
Chowder. C. W. McMorran. 176,491; Sept. 11.
Cocoa and chocolate. Hooton Cocoa Company. 182,587; Sept. 11.
Cocoa and chocolate. Charles H. Phillips Chemical Co. 178,464–5; Sept. 11.
Coffee. Abraham & Straus, Inc. 182,282; Sept. 11.
Coffee. F. S. Ainsa Company. 156,672; Sept. 11.
Coffee. George C. Buell & Co. 178,817; Sept. 11.
Coffee. Nash Coffee Company. 168,483; Sept. 11.
Coffee. Thomas J. Webb Company. 178,786; Sept. 11.
Coffee. Thomas J. Webb Company. 179,075; Sept. 11.
Coffee and tea. Leon Israel & Bros. 125,112; Sept. 11.
Eggs. M. E. Fowler. 168,963; Sept. 11.
Fats and cottonseed oils, Hard. American Cotton Oil Company. 178,425; Sept. 11.
Feed, Stock. I. S. Joseph Company. 179,151; Sept. 11.
Feeds. J. M. Wilson. 178,649; Sept. 11.
Flour, corn meal, and wheat feed, Wheat and Graham. Dixie Mills. 173,741; Sept. 11.
Flour, hominy feed, and grits, Wheat. Chas. Brocker & Co. 179,179; Sept. 11.
Flour, rolled oats, etc., Wheat. Quaker Oats Company. 174,919; Sept. 11.
Flour, Wheat. Astoria Flouring Mills Company. 176,591; Sept. 11.
Flour, Wheat. Lawrenceburg Roller Mills Co. 178,744; Sept. 11.
Flour, Wheat. State Line Milling Co. 179,170; Sept. 11.
Food, Hog. Dixon Cereal and Feed Company. 171,730; Sept. 11.
Food mixture. E. A. Bear & Co. 176,596; Sept. 11.
Food product, Nonconstipating health chocolate. P. D. Panoulias. 164,449; Sept. 11.
Fruit and salted-nut mixture, Dried. Select Packing Co. 179,487; Sept. 11.
Fruits and nuts. E. I. Power. 156,017; Sept. 11.
Fruits, Citrous. Gold Buckle Association. 173,636–42; Sept. 11.
Gum, Chewing. Dudley Gum Company. 161,040; Sept. 11.
Ices, Edible chocolate-lined shell adapted to contain. Polar Food Products Corporation. 181,539; Sept. 11.
Marmalade. Florida Products Company. 182,505; Sept. 11.
Meats, poultry, fresh fruits and vegetables, Fresh and smoked. C. Pisner. 174,591; Sept 11.
Meats, poultry, game, etc., Dressed. D. Klein. 175,872; Sept. 11.
Milk, Bottled. Kokomo Grocers Dairy Products Company. 168,533; Sept. 11.
Milk, Condensed. Nestle & Anglo-Swiss Condensed Milk Co. 157,625; Sept. 11.
Nuts and peanut butter. Pedigreed Products Corporation. 176,648; Sept. 11.
Oleomargarine. Jaburg Brothers, Inc. 176,630; Sept. 11.
Paste products, Alimentary. A. Goodman & Sons, Inc. 169,545; Sept. 11.
Peanuts, Sugar-coated. G. J. Bulumassis. 173,590; Sept. 11.
Pimientos, Pickled. Sylmar Packing Corporation. 182,449; Sept. 11.
Salad dressing, filling for sandwiches, etc. Delfine Pure Food Co. 179,588; Sept. 11.
Sugar. American Sugar Refining Company. 177,945; Sept. 11.
Tablets or cakes, Eatable. A. M. Delmas. 167,557; Sept. 11.
Vegetable shortening. Best Foods, Inc. 182,198; Sept. 11.

CLASS 50.

Covers, Transparent food. Fiber-Glass Food Cover Company. 176,612; Sept. 11.

ALPHABETICAL LIST OF PATENTEES

TO WHOM

PATENTS WERE ISSUED ON THE 11TH DAY OF SEPTEMBER, 1923.

NOTE.—Arranged in accordance with the first significant character or word of the name (in accordance with city and telephone directory practice). **Includes patents, reissues, and designs.**

A. & L. Motor Corporation. (See Anderson, R. E., and Larson, assignors.)
Abbott, Reuben A., Lawrence, Mass. Mirror. 1,467,350; Sept. 11.
Abramowitz, Joseph, Madison, assignor of one-half to J. J. Selb, Venice, Ill. Arch support. 1,467,630; Sept. 11.
Acker, Irvin D., administrator. (See Acker, Julius J.)
Acker, Julius J., deceased; I. D. Acker, administrator, assignor of one-half to G. S. Goodwin, Chicago, Ill. Operating device for coupling pins. 1,467,295; Sept. 11.
Adams, Comfort A., Cambridge, Mass., assignor of one-half to F. S. Marden, Norfolk, Conn. Commutator. 1,467,467; Sept. 11.
Advance-Rumely Company. (See Mainland, John, assignor.)
Aerobelle Company. (See Van Der Pyl, Edward, assignor.)
Ahern, Albert M., St. Louis, Mo. Combined shipping tag and envelope sheet. 1,467,631; Sept. 11.
Ahlers, David E., Carlisle, Pa. Bolt and nut lock. 1,467,824; Sept. 11.
Ainsworth, Chester D., Wollaston, assignor to S. B. Condit, jr., Boston, Mass. Time-limit device. 1,467,751; Sept. 11.
Ainsworth, Chester D., Wollaston, assignor to S. B. Condit, Brookline, Mass. Retardation device. 1,467,752; Sept. 11.
Akron Cultivator & Mfg. Co., The. (See Roemer, Ralph R., assignor.)
Alden, Vern E., Wilkinsburg, Pa., assignor to Westinghouse Electric and Manufacturing Company. Current-limiting reactance coil. 1,467,771; Sept. 11.
Alexander, Johnston R., Birkenhead, assignor to J. G. Kitchen, Lancaster, G. H. Fraser and J. R. O'Hanlon, Westwold, Liverpool, England. Outboard-motor driving, steering, and reversing mechanism. 1,467,521; Sept. 11.
Allen, Florence K., et al. (See Barr, Clarence E., assignor.)
Allen Machine Company. (See Pearson, Morris A., assignor.)
Allen, William G., Salem, Oreg. Preserving fruit and the like. 1,467,746; Sept. 11.
American Blower Company. (See Hull, Homer, assignor.)
American Can Company. (See Wood, Frederick P., assignor.)
American Rail Joint Company. (See Hyle, Jacob A., assignor.)
American Slicing Machine Company. (See Hood, Ernest K., assignor.)
American Steel Package Company, The. (See Behringer, Grover F., assignor.)
American Telephone and Telegraph Company. (See Elsasser, Henry W., assignor.)
American Telephone and Telegraph Company. (See Toomey, J. F., assignor.)
Amsler, Alfred, Rheinbuhl, Switzerland. Pressure-control valve. 1,467,522; Sept. 11.
Anderson-Barngrover Mfg. Co. (See Thompson, Albert R., assignor.)
Anderson Brake Appliance Company, The. (See Anderson, Harley E., assignor.)
Anderson, Emmerick, Dayton, Ky. Shoe. 1,467,296; Sept. 11.
Anderson, Harley E., assignor to The Anderson Brake Appliance Company, Chicago, Ill. Brake apparatus for railway and other vehicles. 1,467,701; Sept. 11.
Anderson, John, Charleston, Wash. Spark plug. 1,467,413; Sept. 11.
Anderson, Richard E., Portland, and O. G. Larson, Silverton, assignors to A. & L. Motor Corporation, Albany, Oreg. Valve mechansim for internal-combustion engines. 1,467,747; Sept. 11.
Andlauer, Albert P., Kansas City, Mo. Reel. 1,467,523; Sept. 11.
Appelhoff, Constantine, Dayton, Ohio. Outlet strainer. 1,467,772; Sept. 11.
Arendt, Morton, New York, N. Y., and E. V. Brown, New London, Conn. Hydrogen detector. 1,467,911; Sept. 11.
Armor, James C., West View Borough, Pa. Arc-welding composition. 1,467,825; Sept. 11.
Armstrong, Percy A. E., Loudonville, N. Y. Electrical heating element. 1,467,562; Sept. 11.
Armstrong, Percy A. E., Loudonville, N. Y. Corrosion and heat resisting apparatus. 1,467,563; Sept. 11.
Atkins, Davis C., Lexington, Ky. Miniature football game. 1,467,912; Sept. 11.
Atlantic Tubing Company. (See Halliwell, William R., assignor.)
Aubé, Jean, Paris, France. Pulverizing apparatus. 1,467,913; Sept. 11.
Andiffren Refrigerating Machine Co. (See Karr, A. D., and Perkins, assignors.)
Austin, F. C., Machinery Company. (See Bentson, Hans J., assignor.)
Automotive Gas Producer Corporation. (See Smith, David J., assignor.)
Aydelotte, William M., New York, N. Y. Filing device. 1,467,294; Sept. 11.
Babbitt, Jesse J., Elkhart, Ind. Saxophone and clarinet mouthpiece. 1,467,524; Sept. 11.
Bachman, Hugo J., Denver, Colo. Poppet valve. 1,467,414; Sept. 11.
Bachmann Bros. (See Morris, Francis A., assignor.)
Bailey, Amos, Ottumwa, Iowa. Beet topper. 1,467,415; Sept. 11.
Baity, George W. (See Sullivan, D. M., and Baity.)
Balcom, Clarence G., Noroton Heights, Conn. Pin inserter and remover for Ford valves. 1,467,914; Sept. 11.
Ballard, Harrie A., assignor to General Shoe Machinery Company, Boston, Mass. Shoe-tree. 1,467,915; Sept. 11.
Ballard, Milton H., Lynn, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J. Press. 1,467,297; Sept. 11.
Banker, Oscar H., assignor to Racine Tool and Machine Company, Racine, Wis. Broaching machine. 1,467,525; Sept. 11.
Barfield, Ernest A., Macon, Ga. Grate. 1,467,702; Sept. 11.
Barker, Alice C., Allston, Boston, Mass. Attachment for garment hangers. 1,467,298; Sept. 11.
Barker, George M., Macon, Ga. Basket-cover fastener. 1,467,891; Sept. 11.
Barnes, John S., assignor to Wire Products Corporation, Ann Arbor, Mich. Wire fabric. 1,467,416; Sept. 11.
Barnickel, Wm. S., & Company. (See Barnickel, William S., assignor.)
Barnickel, William S., assignor to Wm. S. Barnickel & Company, St. Louis, Mo. Treating petroleum emulsions. 1,467,831; Sept. 11.
Barr, Clarence E., assignor of one-fourth to F. K. Allen, one-fourth to W. M. Mervin, and one-half to T. E. Jackson, Detroit, Mich. Electric heater. 1,467,667; Sept. 11.
Bashford, Raymond L., Cleveland Heights, assignor to The Grasselli Powder Company, Cleveland, Ohio. Polymerizing glycerin. 1,467,299; Sept. 11.
Batcheller, Birney C., Brooklyn, N. Y., assignor to Bemis Bro. Bag Co., St. Louis, Mo. Sheet accumulator. 1,467,300; Sept. 11.
Beach, Clarence E., Binghamton, N. Y. Signaling system. 1,467,301; Sept. 11.
Bearce, Alexis W., Niagara Falls, N. Y., assignor to William A. Rogers, Limited. Display appliance. 1,467,302; Sept. 11.
Beck, William E., Dolton, Ill. Automatic window lock. 1,467,564; Sept. 11.
Becker, Frank E., New York, N. Y. Belt buckle. 1,467,703; Sept. 11.
Becker, Jacob J. (See Ladd, John H., assignor.)
Beckert, Albert R., Lynn, Mass., assignor to General Electric Company. Supporting device for needles or pointers. 1,467,972; Sept. 11.
Beckwith, Arthur C., assignor to Chicago Lubricator Company, Chicago, Ill. Automatic fluid-pressure-controlling device. 1,467,417; Sept. 11.
Beckwith, Arthur C., assignor to Chicago Lubricator Company, Chicago, Ill. Automatic controlling device. 1,467,418; Sept. 11.
Bedworth, Robert E. (See Pilling, N. B., and Bedworth.)
Beeman Tractor Company. (See Peters, Cornelius A., assignor.)
Beeman Tractor Company. (See Phelps, Spencer H., assignor.)
Behringer, Grover F., assignor to The American Steel Package Company, Defiance, Ohio. Bung for metallic receptacles. 1,467,916; Sept. 11.
Bemis Bro. Bag Co. (See Batcheller, Birney C., assignor.)
Bendix, Vincent, Chicago, Ill. Engine starter. 1,467,602; Sept. 11.

Benedict Hershel A., East Orange, and E. M. Moller, Jersey City, N. J. Electric-circuit-control apparatus. 1,467,748; Sept. 11.

Benner, Raymond C., Bayside, N. Y., assignor to Union Carbide & Carbon Research Laboratories, Inc. Making storage-battery plates. 1,467,749; Sept. 11.

Bennett, Edwin O., Bakersfield, Calif. Pumping power for wells. 1,467,773; Sept. 11.

Bentson, Hans J., Kenosha, Wis., assignor, by mesne assignments, to F. C. Austin Machinery Company. Machine for making ditches. 1,467,828; Sept. 11.

Bergen, William V., and A. C. Shute, Hillsboro, Oreg. Highway signal. 1,467,892; Sept. 11.

Berry, Frederick E., Hayes, England. Electric transformer arrangement. 1,467,829; Sept. 11.

Bertrand, Leon J. A., Paris, France. Safety clasp for chains of all sizes and collars. 1,467,917; Sept. 11.

Bezer, Henry, Arlington, N. J. Highway-crossing protection. 1,467,303; Sept. 11.

Bisson, Fernand, Paris, France. Automatic lighter. 1,467,603; Sept. 11.

Bixler, Lewis S., Kenton, Ohio. Toy pistol. 1,467,918; Sept. 11.

Blair, Robert S., Stamford, Conn. Fluid meter. 1,467,565; Sept. 11.

Blanchard, Alma F., Cranston, assignor to Ideal Jewelry Manufacturing Company, Providence, R. I. Flexible bracelet. 1,467,468; Sept. 11.

Blumenthal, Israel C., New York, N. Y. Hand bag. 1,467,919; Sept. 11.

Blumenthal, Maurice, Brooklyn, N. Y. Combination container. 1,467,632; Sept. 11.

Blunt, Lawrence C., Denver, Colo. Making candy. 1,467,351; Sept. 11.

Boggs, Atwood L., assignor to Perfection Cooler Company, Stoughton, Mass. Knockdown stool. 1,467,830; Sept. 11.

Bolls, William W., Washington, D. C. Bead threading or display box. 1,467,352; Sept. 11.

Booth, Benjamin W., Ketchikan, Alaska. Animal trap. 1,467,802; Sept. 11.

Booth, Wallace W., Brooklyn, N. Y. Furnace bridge wall. 1,467,566; Sept. 11.

Borchert, Fred L. (See Borchert, William and F. L.)

Borchert, William and F. L., assignors to The Tagit Company, Rockford, Ill. Tag-affixing machine. 1,467,469; Sept. 11.

Borg, Carl W., Aberdeen, Wash. Artificial bait. 1,467,750; Sept. 11.

Borg, Fredrik G., Chicago, Ill. Concrete bulkhead or retaining wall. 1,467,470; Sept. 11.

Borja y Dizon, Benito, Manila. Eyeglass attachment. 1,467,358; Sept. 11.

Bosshard, John J., assignor to The Hill Pump Valve Company, Chicago, Ill. Automatic screw machine. 1,467,304; Sept. 11.

Boree, David W., Waterloo, Iowa. Pipe connection. 1,467,883; Sept. 11.

Bowen, George G., C. A. Duley and R. B. Ross, Ivan, Tex. Fishing tool for deep wells. 1,467,604; Sept. 11.

Boyan, Thomas J., and F. L. Eklund, assignors to Portsmouth Auto Body Company, Portsmouth, N. H. Automobile running board. 1,467,471; Sept. 11.

Bradshaw, Andrew W. (See Zolman, W. E., and Bradshaw.)

Bräuer, Reinhold, Dusseldorf, Germany. Safe. 1,467,419; Sept. 11.

Braun, Walter, Columbus, assignor to The Jennison-Wright Company, Toledo, Ohio. Adjustable felly guard. 1,467,774; Sept. 11.

Breer, Carl, Summit, N. J. Line tightener. 1,467,420; Sept. 11.

Brierty, Michael J., Chicago, Ill. Electrically-controlled mechanism. 1,467,704; Sept. 11.

British Dyestuffs Corporation, Limited. (See Wyler, Max, assignor.)

Brown, Edward V. (See Arendt, M., and Brown.)

Brown, John W., jr., Philadelphia, Pa. Drilling machine. 1,467,526; Sept. 11.

Bruch, Clement A., Warrensburg, Mo. Emblem holder. 1,467,834; Sept. 11.

Bubb, Lewis W., St. Louis, assignor to J. M. Williams, Webster Groves, Mo. Gas burner. 1,467,472; Sept. 11.

Buchan, Hugh G. (See Dawson, James C., assignor.)

Buhse, Maximilian E., Minneapolis, Minn. Apparatus for coating ice-cream cones. 1,467,835; Sept. 11.

Bumbarger, Clarence R., assignor to George W. Johnson Manufacturing Company, Kansas City, Mo. Fire-door binder. 1,467,826; Sept. 11.

Bumbaugh, Clyde C., assignor of three-elevenths to A. Dickman, two-elevenths to H. A. Plantz, one-eleventh to H. L. Gray, and one-eleventh to W. R. Davis, Canton, Ohio. Open-hearth furnace. 1,467,827; Sept. 11.

Buob & Scheu. (See Buob, Louis J., assignor.)

Buob, Louis J., assignor to Buob & Scheu, Cincinnati, Ohio. Vehicle body. 1,467,305; Sept. 11.

Burgess, C. F., Laboratories. (See Weiss, Howard F., assignor.)

Burnley, Robert C., Hartsville, Tenn. Rat trap. 1,467,753; Sept. 11.

Burns, James F., assignor to V. V. Fittings Company, Philadelphia, Pa. Quick-break switch. 1,467,527; Sept. 11.

Bussiere, Frank, Essexville, assignor to H. W. Garland, Bay City, Mich. Sewing machine. 1,467,473; Sept. 11.

Cabalka, Frank, Geddes, S. Dak. Corn-fodder knife. 1,467,836; Sept. 11.

Calder, John A., assignor to The Torrington Company, Torrington, Conn. Wire feeding and cutting mechanism for latch-needle-making machines. 1,467,705; Sept. 11.

Campbell, Ronald E., Columbia, S. C. Attachment for stoves. 1,467,754; Sept. 11.

Canada Carbide Company. (See King, J. C., and Nish, assignors.)

Carr Fastener Company. (See Carr, Fred S., assignor.)

Carr, Fred S., Newton, assignor to Carr Fastener Company, Cambridge, Mass. Separable fastener. 1,467,920; Sept. 11.

Carrier Engineering Corporation. (See Carrier, Willis H., assignor.)

Carrier, Willis H., Essex Fells, assignor to Carrier Engineering Corporation, Newark, N. J. Method of and apparatus for drying and conditioning materials. 1,467,306; Sept. 11.

Carter, Arthur R., Gulfport, Miss. Engine. 1,467,528; Sept. 11.

Cary, George W., assignor to Goodell Manufacturing Company, Greenfield, Mass. Valve-spring-manipulating device. 1,467,567; Sept. 11.

Chalus, Frank J. (See Folkman, Morris, assignor.)

Chambers, Edward C., Jacksonville, Fla. Sprinkler. 1,467,601; Sept. 11.

Champion Coated Paper Company, The. (See Reedy, John H., assignor.)

Chazen, Samuel, and C. J. Madsen, Mason City, Iowa. Hog shackler. 1,467,605; Sept. 11.

Chicago Lubricator Company. (See Beckwith, Arthur C., assignor.)

Chicago Machine & Motor Co. (See Pearson, Carl F., assignor.)

Childress, Henderson P., Memphis, Tenn. Automobile lock. 1,467,353; Sept. 11.

Christensen, Niels C., Salt Lake City, Utah. Concentrating oxidized ores and minerals. 1,467,354; Sept. 11.

Christensen, Niels C., Salt Lake City, Utah. Apparatus for washing and wet screening. 1,467,355; Sept. 11.

Chriswell, Frederick W., assignor to Pacific Car and Foundry Company, Seattle, Wash. Car bolster. 1,467,775; Sept. 11.

Chryst, William A. (See Hunt, J. H., and Chryst.)

Cimorosi, Alberto, Braintree, Mass. Toy torpedo. 1,467,755; Sept. 11.

Clark, Armin H., Plymouth, Ohio. Cover. 1,467,529; Sept. 11.

Clavier, Pierre, Tarbes, France. Metal horse-collar framework forming a tube. 1,467,568; Sept. 11.

Clayton, Samuel B., Greensboro, N. C. Automobile lock. 1,467,530; Sept. 11.

Clement, George A. and H., Mount Vernon, N. Y., assignors to General Optical Company. Lens-blocking mechanism. 1,467,307; Sept. 11.

Clement, George A. and H., Mount Vernon, N. Y., assignors to General Optical Company. Grinding one-piece bifocal lenses. 1,467,308; Sept. 11.

Clement, Hans. (See Clement, George A. and H.)

Cobb, Pope, Brownsville, Tenn. Bed lock. 1,467,606; Sept. 11.

Cocoa Products Company of America Incorporated. (See Neilan, T. J., and Zobanaky, assignors.)

Colebrook, Frederick C. T., London, England. Rotary motor, pump, and the like. 1,467,837; Sept. 11.

Collins, John F., Philadelphia, Pa. Can-top vent. 1,467,706; Sept. 11.

Colombino, Rino, Turin, Italy. Intermediate wind screen for motor cars. 1,467,531; Sept. 11.

Commonwealth Steel Company. (See Pflager, Harry M., assignor.)

Conard, Frederick U., Brooklyn, assignor to Underwood Computing Machine Company, New York, N. Y. Combined typewriting and computing machine. 1,467,569; Sept. 11.

Condit, Sears B., jr. (See Ainsworth, Chester D., assignor.)

Conklin, Frederick S., Yonkers, N. Y. Traps. 1,467,921; Sept. 11.

Continental Can Company. (See Mason, Eugene G., assignor.)

Continental Distributors, Inc. (See Kircher, Albert E., assignor.)

Conway, Elisha A., Williamsport, Pa. Can punch. 1,467,608; Sept. 11.

Cook, Cary, Covington, Ga. Mail-box support. 1,467,607; Sept. 11.

Cook, Harry A., Yakima, Wash. Composition of matter for use as a cement. 1,467,356; Sept. 11.

Cook, Thomas R., Pittsburgh, assignor to The Westinghouse Union Battery Company, Swissvale, Pa. Storage battery. 1,467,707; Sept. 11.

Cook, William G. H., Lethbridge, Alberta, Canada. Card-case. 1,467,838; Sept. 11.

Cooper, Allyn R., Marshalltown, Iowa. Dash control device. 1,467,309; Sept. 11.

Cooper, Henry J., Brooklyn, N. Y. Clamp. 1,467,708; Sept. 11.

Cosslit, Malcolm L., Oakland, Calif., assignor to Manifold Impressions Corporation, Carson City, Nev. Manifolding platen for typewriters. 1,467,532; Sept. 11.

Cotter, Ernest W., Sydenham, London, and E. Troughton, Brockley, London, assignors to J. Stone & Company Limited, Deptford, England. Window and ventilator. 1,467,839; Sept. 11.

Cotton, Bertie R., assignor to Hammond, Turner & Sons, Limited, Birmingham, England. Hair comb. 1,467,533; Sept. 11.

Coughlin, John P., Chicago, Ill. Wrench. 1,467,709; Sept. 11.

Coughlin, John P., Chicago, Ill. Wrench. 1,467,756; Sept. 11.

Coulombe, Joseph C., Dracut, Mass. Liquid-feeding device. 1,467,633; Sept. 11.

Creamery Package Mfg. Company, The. (See Wilkinson, Stanley W., assignor.)

Creighton, Melvin, Rensselaer Falls, N. Y. Lightning rod. 1,467,922; Sept. 11.

Cripe, John W., Newville, N. Dak. Closure. 1,467,609; Sept. 11.

Crogan, Charles W., Bangor, Me. Tapeline-case structure. 1,467,840. Sept. 11.

Crompton & Knowles Loom Works. (See Ryon, Eppa H., assignor.)

Crook, Jere L., jr., Jackson, Tenn. Ruler for loose-leaf books. 1,467,534; Sept. 11.

Crowell, Charles H., Brooklyn, N. Y. Tape moistening and severing machine. 1,467,421; Sept. 11.

Culliton, John H., Waseca, Minn. Hay rake and loader. 1,467,893; Sept. 11.

Culpepper, George B., Fort Valley, Ga. Cooking vessel. 1,467,710; Sept. 11.

Cumfer, Harry A., assignor to Guyton & Cumfer Mfg. Co., Chicago, Ill. Automatic sheet winding and measuring machine. 1,467,841; Sept. 11.

Cunningham, William S., Shreveport, La. Transmission. 1,467,923; Sept. 11.

Cureton, Thomas. (See Smith, H. F., and Cureton.)

Daley, John. (See Daley, William, J., and J.)

Daley, Joseph. (See Daley, William, J., and J.)

Daley, William, J., and J., Bolivar, Ohio. Railway crossing. 1,467,842; Sept. 11.

D'Alfonso, William R., Oakland, assignor to Universal Telescope Mute Company, San Francisco, Calif. Tone modifier for wind instruments. 1,467,422; Sept. 11.

Damm, Louis H., Great Bend, Kans. Hinge-lock clevis. 1,467,844; Sept. 11.

Dann, Walter M., Wilkinsburg, and C. L. Fortescue, Pittsburgh, Pa., assignors to Westinghouse Electric and Manufacturing Company. Protective system. 1,467,843; Sept. 11.

Davies, Henry R., assignor to Electric-Auto-Lite Corporation, Toledo, Ohio. Vehicle headlight. 1,467,423; Sept. 11.

Davies, Ralph J., Hartford, Conn. Card-index apparatus. 1,467,357; Sept. 11.

Davis, Augustine, jr. (See Emmich, George L. E., assignor.)

Davis, Claude. (See Garner, William B., assignor.)

Davis, Herbert M., Brooklyn, N. Y. Water motor. 1,467,975; Sept. 11.

Davis, Kenneth, assignor to R. Peale, St. Benedict, Pa. System and apparatus for conveying coal. 1,467,845; Sept. 11.

Davis, W. R., et al. (See Bumbaugh, Clyde C., assignor.)

Dawson, James C., Webster Groves, assignor to H. G. Buchan, St. Louis, Mo. Means for securing headed articles in place. 1,467,781; Sept. 11.

Day, David T., Washington, D. C. Process and apparatus for the extraction of hydrocarbon oils from shale. 1,467,757; Sept. 11.

Day, David T., Washington, D. C. Producing hydrocarbon materials. 1,467,758; Sept. 11.

Day, Henry L., Minneapolis, Minn. Fireplace. 1,467,474; Sept. 11.

Daylor, Philip B., assignor of one-half to C. L. Kepner, Steelton, Pa. Surveyor's instrument. 1,467,424; Sept. 11.

Dayton Engineering Laboratories Company, The. (See Hunt, John H., assignor.)

Dayton Engineering Laboratories Company, The. (See Hunt, J. H., and Chryst, assignors.)

Dearborn, Charles A., New York, N. Y. Blindstitch sewing machine. 1,467,570; Sept. 11.

De Bar, George W., Aurora, Iowa. Tool. 1,467,924; Sept. 11.

Debongnie, Edouard E., Berchem Ste. Agathe, Belgium. Arched roof made of undulated sheet iron. 1,467,925; Sept. 11.

Deering, Edmund R., New York, N. Y. Horological instrument. 1,467,926; Sept. 11.

Delanoy, Frederick W., Alameda, Calif. Liquid measuring and dispensing apparatus. 1,467,425; Sept. 11.

Demke, Harry F. (See Meyers, L. W., and Demke.)

Demmler, Paul E., Pittsburgh, Pa., assignor to Westinghouse Electric & Manufacturing Company. Condenser and making the same. 1,467,776; Sept. 11.

Demmler, Paul E., Pittsburgh, Pa., assignor to Westinghouse Electric & Manufacturing Company. Condenser and making the same. 1,467,777; Sept. 11.

De Montmollin, Guillaume, assignor to Society of Chemical Industry in Basle, Basel, Switzerland. Manufacture of intermediate products and new dyestuffs derived from diarylsulphones. 1,467,711; Sept. 11.

Dennis, Oliver C. (See Juline, Arthur, assignor.)

De Sanctis, John, Hubbard, Ohio. Shoe jack. 1,467,712; Sept. 11.

Despres, Louis F., Lebanon, N. H. Lamp wrench. 1,467,535; Sept. 11.

Des Rosiers, John B., Providence, R. I. Truck. 1,467,571; Sept. 11.

Deutsche Werke Aktiengesellschaft. (See Thomas, August, assignor.)

Devlin, Bruce B., Chicago, Ill. Button fastener. 1,467,572; Sept. 11.

De Voe, Albert H., Westfield, N. J., assignor to The Singer Manufacturing Company. Belt coupling. 1,467,713; Sept. 11.

De Wendel Zeche. (See Schwenke, Hermann, assignor.)

Dickie, William A. (See Palmer, C. W., and Dickie.)

Diekman, A., et al. (See Bumbaugh, Clyde C., assignor.)

Diggle, Samuel, Bayonne, N. J. Tank construction. 1,467,610; Sept. 11.

Di Paola, Camillo, Rome, Italy. Automatic machine for the rapid or direct preparation of coffee. 1,467,778; Sept. 11.

Dodds, Ethan I. (See Flannery, J. R., and Dodds.)

Dodds, Ethan I., assignor, by mesne assignments, to Flannery Bolt Company, Pittsburgh, Pa. Stay-bolt structure. 1,467,359; Sept. 11.

Doerr, Harry E., St. Louis, Mo. Golf club. 1,467,714; Sept. 11.

Doerres, Ralph N., and W. W. McGee, Chillicothe, Ohio. Antiskid chain. 1,467,927; Sept. 11.

Donkers, Louis B., Antwerp, Belgium. Automatic kneading machine. 1,467,715; Sept. 11.

Dornier, Claude, assignor to the Firm Dornier-Metallbauten Gesellschaft mit beschränkter Haftung, Friedrichshafen, Germany. Riveting machine. 1,467,536; Sept. 11.

Dornier, Claudius, assignor, by mesne assignments, to the Firm Dornier-Metallbauten Gesellschaft mit beschränkter Haftung and C. Dornier, Friedrichshafen, Germany. Air propeller. 1,467,537; Sept. 11.

Dornier, Claudius, et al. (See Dornier, Claudius, assignor.)

Dornier-Metallbauten Gesellschaft mit beschränkter Haftung. (See Dornier, Claude, assignor.)

Dornier-Metallbauten Gesellschaft mit beschränkter Haftung et al. (See Dornier, Claudius, assignor.)

Dougan, Kennedy, Minneapolis, Minn. Submarine war vessel. 1,467,611; Sept. 11.

Doward, James W., Halifax, Nova Scotia, Canada. Safety lock for electric bulbs. 1,467,538; Sept. 11.

Downs, Lincoln S., East Cleveland, and G. Heckling, Cleveland, Ohio. Tire valve. 1,467,780; Sept. 11.

Draper, Asa J., Ogden, Utah. Strand twister. 1,467,539; Sept. 11.

Dremann, William J., Cleveland, Ohio. Roofing. 1,467,779; Sept. 11.

Dreyfus, Henry. (See Palmer, C. W., and Dickie, assignors.)

Driscoll, Timothy, London, England. Gramophone. 1,467,612; Sept. 11.

Dubois, Lubin L., Asnieres, France. Agricultural implement. 1,467,894; Sept. 11.

Dugas, Charles H., Marshall, Minn. Trap. 1,467,846; Sept. 11.

Duley, Charley A. (See Bowen, G. G., Duley, and Ross.)

Duncan, Arthur L., et al. (See Forry, Charles E., assignor.)

Duncan, E. H., et al. (See Forry, Charles E., assignor.)

Dunseth, Clifford A., and H. Garrity, Albert Lea, Minn. Combined garbage can and flytrap. 1,467,895; Sept. 11.

Durant Motors Incorporated. (See Sturt, Alfred T., assignor.)

Dvorshak, Mike J., Everett, Wash. Milk-bottle carrier and opener. 1,467,613; Sept. 11.

Ends, Charles W., Oakland, Calif. Finger-nail-cleaning compound. 1,467,614; Sept. 11.

Eagles, Fredrick J., and A. R. Fitzgerald, Honolulu, Hawaii. Fastener. 1,467,928; Sept. 11.

Eclipse Machine Company. (See Woolson, Lionel M., assignor.)

Economy Electric Devices Company. (See Elsom, James D., assignor.)

Egolf, Paul H., Narberth, Pa. Toy railway track. 1,467,475; Sept. 11.

Eklund, Felix. (See Boyan, T. J., and Eklund.)

Electric Auto-Lite Corporation. (See Davies, Henry R., assignor.)

Electric Heating Corporation. (See Macy, Barnett W., assignor.)

Elektrizitatswerk Lonza. (See Lüscher, E., and Lichtenhahn, assignors.)

Elevator Supplies Co. (See Scott, Rumsey W., assignor.)

Elliott, Irwin, New York, N. Y. Continuous baking oven. 1,567,310; Sept. 11.

Elliott, James P., deceased, Chicago, Ill.; M. B. Elliott, executrix. Making waterproof and acidproof receptacles. 1,467,311; Sept. 11.

Elliott, Mary B., executrix. (See Elliott, James P.)

Ellis, Robert E., Everett, Wash. Steel ship-hull construction. 1,467,426; Sept. 11.

Elsasser, Henry W., New York, N. Y., assignor to American Telephone and Telegraph Company. Wave filter. 1,467,360; Sept. 11.
Elsom, James D., Oak Park, assignor to Economy Electric Devices Company, Chicago, Ill. Inspection indicator. 1,467,716; Sept. 11.
Emmich, George L. E., Cincinnati, Ohio, assignor to A. Davis, jr., Covington, Ky. Tank-wagon emergency-valve mechanism. 1,467,717; Sept. 11.
Emmons, Harold H. (See Litle, Thomas J., jr., assignor.)
Engelhardt, William A., Oakley, Kans. Draft connection for tractors. 1,467,573; Sept. 11.
Englund, Gustaf A., assignor to The Jacobs Manufacturing Company, Hartford, Conn. Door stop and holder. 1,467,782; Sept. 11.
Entrikin, Arthur R. and L. P., Ocean Park, Calif. Beach cape. 1,467,718; Sept. 11.
Entrikin, Lucile P. (See Entrikin, Arthur R. and L. P.)
Etherton, William A., Ava, Ill. System of distribution. 1,467,361; Sept. 11.
Evans, Edward L., Fort Myers, Fla. Trolling spoon. 1,467,362; Sept. 11.
Ewing, Ira E., and H. Hinerman, Wheeling, W. Va. Vacuum-producing apparatus. 1,467,312; Sept. 11.
Ey, Gustav, New York, N. Y. Building block. 1,467,929; Sept. 11.
Fafnir Bearing Company, The. (See Reynolds, Harry R., assignor.)
Fairall, Walter T., Stockton, Calif. Combined door check and burglar alarm. 1,467,363; Sept. 11.
Fairbanks, George W., assignor of one-half to N. E. McDermut, Pendleton, Oreg. Self closing and cleaning drain valve. 1,467,615; Sept. 11.
Falls, James M., Louisville, Ky. Storage vessel. 1,467,719; Sept. 11.
Faralla, Raoul A., assignor, by mesne assignments, of one-half to C. Karft and one-half to O. Mautner, New York, N. Y. Tray for use in conjunction with the chemical cleansing of silver. 1,467,574; Sept. 11.
Farrell, Patrick H., Toledo, Ohio. Pavement. 1,467,783; Sept. 11.
Farver, Jonathan, Shipshewanna, Ind. Hinge. 1,467,476; Sept. 11.
Field, Wm. A., Company. (See Field, William A., assignor.)
Field, William A., assignor to Wm. A. Field Company, Chicago, Ill. Jig saw. 1,467,720; Sept. 11.
Filkorn, Charles A. (See Vajk, Joseph, assignor.)
Finsen, Eyvind. (See Stewart, A. L., and Finsen.)
Fisher Automatic Brush Machine Company. (See Fisher, Charles E., assignor.)
Fisher, Charles E., Baltimore, Md., assignor to The Fisher Automatic Brush Machine Company. Brush-making machine. 1,467,364; Sept. 11.
Fisher, Charles E., Baltimore, Md., assignor to The Fisher Automatic Brush Machine Company. Staple-driving mechanism for brush-making machines. 1,467,365; Sept. 11.
Fisher, Peter N. (See Oda, Cinco S., assignor.)
Fitchburg Machine Works. (See Trust, Josephine and H., assignors.)
Fitzgerald, Arthur R. (See Eagles, F. J., and Fitzgerald.)
Flanders, Warren B., Essington, Pa., assignor to Westinghouse Electric and Manufacturing Company. Governing and gland apparatus. 1,467,575; Sept. 11.
Flannery Bolt Company. (See Dodds, Ethan I., assignor.)
Flannery Bolt Company. (See Flannery, J. R., and Dodds, assignors.)
Flannery, John R., and E. I. Dodds, assignors, by mesne assignments, to Flannery Bolt Company, Pittsburgh, Pa. Stay-bolt structure for boilers. 1,467,366; Sept. 11.
Flossy Dental Mfg. Co. (See Muchow, William M., assignor.)
Flydal, Martinus H., Hartford, Conn. Machine for the purpose of breaking in or seasoning violins. 1,467,576; Sept. 11.
Foley, Bernard T., Virginia, Minn. Clothes guide for wringers. 1,467,367; Sept. 11.
Folkman, Morris, assignor of one-half to F. J. Chalus, Cleveland, Ohio. Badge-pin clasp. 1,467,368; Sept. 11.
Folsom, Alvin I., Dallas, Tex., assignor to French Battery and Carbon Company, Madison, Wis. Battery-cell container. 1,467,577; Sept. 11.
Ford, Edward L., Youngstown, Ohio. Apparatus for conveying and handling puddle balls. 1,467,540; Sept. 11.
Ford, Edward L., Youngstown, Ohio. Means for delivering puddle balls from puddling furnaces. 1,467,541; Sept. 11.
Ford Motor Company. (See Hayes, Charles J. W., assignor.)
Forry, Charles E., assignor of one-third to E. H. Duncan and one-third to A. L. Duncan, Oakland, Calif. Pear-peeling apparatus. 1,467,616; Sept. 11.
Fortescue, Charles L. (See Dann, W. M., and Fortescue.)
Fox, Gordon, assignor to Freyn, Brassert & Co., Chicago, Ill. Fluid-pressure regulator. 1,467,721; Sept. 11.
France, Arthur G., London, England. Secondary air-supply means for internal-combustion engines. 1,467,617; Sept. 11.
Frankland, Edwin, Pontiac, Mich. Spring suspension for vehicles. 1,467,784; Sept. 11.
Fraser, Gordon H., et al. (See Alexander, Johnston R., assignor.)
Frederick, Louis T., Wilkinsburg, Pa., assignor to Westinghouse Electric & Manufacturing Company. Propeller and making the same. 1,467,785; Sept. 11.
Freemon, John P., Waukesha, Wis. Mattress-holding attachment for bed rests. 1,467,369; Sept. 11.
French Battery and Carbon Company. (See Folsom, Alvin I., assignor.)
Freund, Joseph A., Newtonville, Mass., assignor to Keystone Watch Case Company, Philadelphia, Pa. Watch winding mechanism. 1,467,427; Sept. 11.
Fretwell, Julian W., Danville, Va. Locked razor. 1,467,930; Sept. 11.
Freyn, Brassert & Co. (See Fox, Gordon, assignor.)
Frisbie, William J., assignor to Justrite Manufacturing Company, Chicago, Ill. Fire extinguisher. 1,467,477; Sept. 11.
Frye, James W., Sandborn, Ind. Track liner. 1,467,722; Sept. 11.
Fuller, George L., Sisquoc, Calif. Deep-well pump. 1,467,370; Sept. 11.
Fulton, Charles, London, England. Indicating mechanism. 1,467,847; Sept. 11.
Funk, Arthur, New York, N. Y. Skirt marker. 1,467,786; Sept. 11.
Furnas, Everett C., Lima, Ohio. Oiling sleeve. 1,467,668; Sept. 11.
Gabrielson, Carl, assignor to L. C. Smith & Bros. Typewriter Company, Syracuse, N. Y. Typewriting machine. 1,467,723; Sept. 11.
Gammeter, John R., Akron, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y. Tire flap. 1,467,313; Sept. 11.
Gannon, Joseph R., New York, N. Y. Disappearing vehicle step. 1,467,976; Sept. 11.
Garland, Harrison W. (See Bussiere, Frank, assignor.)
Garner, William R., Erie, Pa., assignor of one-fourth to C. Davis, Washington, D. C. Illuminated license tag and signal for automobiles. 1,467,371; Sept. 11.
Garrity, Harry. (See Dunseth, C. A., and Garrity.)
Gas Research Company, The. (See Smith, H. F., and Cureton, assignors.)
Geier, P. A., Company, The. (See Robertson, Frank E., assignor.)
Geilfuss, Albert H., Parkersburg, W. Va. Necktie holder 1,467,634; Sept. 11.
Geils, Louis F., Chicago, Ill. Headlight deflector. 1,467,372; Sept. 11.
Gemmill, Worthy D., Willoughby, Ohio. Frame and making it. 1,467,787; Sept. 11.
General Abrasive Company. (See Richmond, H. A., and Macdonald, assignors.)
General Electric Company. (See Beckert, Albert R., assignor.)
General Electric Company. (See Hoxie, Charles A., assignor.)
General Gas Light Company. (See Humphrey, Hubert R., assignor.)
General Motors Research Corporation. (See Midgley, Thomas, jr., assignor.)
General Optical Company. (See Clement, George A. and H., assignors.)
General Shoe Machinery Company. (See Ballard, Harrie A., assignor.)
Germain Seed and Plant Company. (See Meyberg, Manfred, assignor.)
Gianini, Mario, New York, N. Y. Closure for containers. 1,467,578; Sept. 11.
Gibbons, Nathan A., Martins Ferry, Ohio, assignor to Whitaker-Glessner Company, Wheeling, W. Va. Mortar hod. 1,467,314; Sept. 11.
Gibbs, Robert H., and B. W. Thiele, Portland, Oreg. Skirt hanger. 1,467,848; Sept. 11.
Gleason Works. (See Stewart, A. L., and Finsen, assignors.)
Globe Ticket Company. (See Snow, Philip C., assignor.)
Goldstein, Albion M., St. Louis, Mo. Combined collar button and necktie-guiding device. 1,467,788; Sept. 11.
Goodell Manufacturing Company. (See Cary, George W., assignor.)
Goodrich, B. F., Company, The. (See Gammeter, John R., assignor.)
Goodwin, George S. (See Acker, Julius J., assignor.)
Gore, Herbert C., Takoma Park, Md., dedicated, by mesne assignments, to the People of the United States for their free use and enjoyment. Preparing a sugar sirup. 1,467,599; Sept. 11.
Goss Printing Press Company. (See Henzi, Albert A., assignor.)
Gowin, Walter W., Omaha, Nebr. Vibrometer. 1,467,373; Sept. 11.
Grace, James E., New York, N. Y. Clip. 1,467,931; Sept. 11.
Graham, Joseph F., Tunnelton, W. Va. Pet cock. 1,467,932; Sept. 11.
Graham, Walton C., Denver, Colo. Diffusing apparatus. 1,467,849; Sept. 11.
Grasselli Chemical Company, The. (See Taylor, Edward A., assignor.)
Grasselli Powder Company, The. (See Bashford, Raymond I., assignor.)
Gray, Edward B. (See Smith, R. A., and Gray.)
Gray, H. L., et al. (See Bumbaugh, Clyde C., assignor.)
Graybill, Henry C., Altoona, Pa. Antiskid device. 1,467,579; Sept. 11.

Griffin, Edward M., Portland, Oreg. Orthodontist's locking device. 1,467,789; Sept. 11.
Grove, Frank H., Columbiana, Ohio. Collapsible core. 1,467,315; Sept. 11.
Guimont, Joseph W., assignor of one-half to M. Langlois, Montreal, Quebec, Canada. Radiator. 1,467,316; Sept. 11.
Guyton & Cumfer Mfg. Co. (See Cumfer, Harry A., assignor.)
Haas, Lucien L. (See McDonald, E. F. Glein, and Haas.)
Haddon's, James, Sons. (See Welch, Jack T., assignor.)
Hagadone, Clinton A., Western Springs, Ill., assignor, by mesne assignments, to International Harvester Company. Harvester. 1,467,374; Sept. 11.
Hagadone, Clinton A., Western Springs, Ill., assignor to International Harvester Company. Tractor hitch for corn binders. 1,467,375; Sept. 11.
Hagaman, Albert T., Louisa, Ky. Oil-well equipment. 1,467,635; Sept. 11.
Hall, Daniel L., Columbia, S. C. Dental film holder. 1,467,850; Sept. 11.
Hall, Daniel L., Columbia, S. C. Dental film holder. 1,467,851; Sept. 11.
Hall, David J., Newark, N. J. Bus body. 1,467,376; Sept. 11.
Hall, John H., assignor to Taylor-Wharton Iron and Steel Company, High Bridge, N. J. Producing pipe balls. 1,467,542; Sept. 11.
Hall, Marcellus C., West Marion, S. C. Demountable rim. 1,467,852; Sept. 11.
Hall, Walter S., Fitchburg, Mass. Screen plate. 1,467,759; Sept. 11.
Halliwell, William R., assignor to Atlantic Tubing Company, Providence, R. I. Automobile hood-latching device. 1,467,983; Sept. 11.
Hamliton, John R., Yonkers, N. Y., assignor to Ohio Automatic Sprinkler Company, Youngstown, Ohio. Foam-producing fire-extinguishing apparatus. 1,467,377; Sept. 11.
Hammond, Turner & Sons, Limited. (See Cotton, Bertie R., assignor.)
Hammond, William P., Maplewood, N. J. Glass-covered instrument board for motor vehicles. 1,467,636; Sept. 11.
Hampden Brass Company. (See Wesson, Paul B., assignor.)
Handel Maatchappij H. Albert de Bary & Co. (See Hildebrand, Wilhelm, assignor.)
Hanley, Thomas F., Chicago, Ill. Reinforced pipe or fitting. 1,467,933; Sept. 11.
Hansen, William D., Chicago, Ill. Roll film for cameras. 1,467,543; Sept. 15.
Hanson, Bengt M. W., Hartford, assignor to Skayef Ball Bearing Company, West Hartford, Conn. Ball bearing. 1,467,378; Sept. 11.
Harder, Paul. Red Wing, Minn. Folding box. 1,467,724; Sept. 11.
Harris Accessory Company. (See Harris William A., assignor.)
Harris, William A., assignor to Harris Accessory Company, Greenville, S. C. Low-pressure alarm for pneumatic tires. 1,467,317; Sept. 11.
Harrison, Amos, assignor to Jas. P. Marsh & Company, Chicago, Ill. High and medium pressure trip trap. 1,467,379; Sept. 11.
Hartman, George H., Ithaca, N. Y. Automobile wheel holding and truing device. 1,467,618; Sept. 11.
Hartmann Manufacturing Co. (See Hartmann, Richard A., assignor.)
Hartmann, Richard A., assignor to The Hartmann Manufacturing Co., Hartford, Conn. Universal joint. 1,467,380; Sept. 11.
Hartmann, Walter E., New York, N. Y. Oil burner. 1,467,544; Sept. 11.
Hatch, Raymond M., Trumansburg, N. Y. Punch. 1,467,637; Sept. 11.
Hayes, Charles J. W., Rochester, assignor to Ford Motor Company, Detroit, Mich. Metallic vehicle wheel. 1,467,478; Sept. 11.
Heckling, George. (See Downs, L. S., and Heckling.)
Heinold, Robert, Kiel, Germany. Level-indicating arrangement. 1,467,853; Sept. 11.
Hemphill Company. (See Lawson, Robert H., assignor.)
Henritzi, Joseph, Spokane, Wash. Rotary rock drill. 1,467,479; Sept. 11.
Henzi, Albert A., Chicago, Ill., assignor to Goss Printing Press Company. Machine for operating upon stereotype printing plates. 1,467,790; Sept. 11.
Herdman, William J., Toronto, Ontario, Canada. Electron-discharge device. 1,467,318; Sept. 11.
Heywood-Wakefield Company. (See Lang, Edward C., assignor.)
Hiatt, Roscoe H., Greens Fork, Ind. Wheel rim. 1,467,638; Sept. 11.
Higgs, Isaac, Newport News, Va. Propeller. 1,467,725; Sept. 11.
Hildebrand, Wilhelm, Berlin-Lichtenberg, Germany, assignor to Handel Maatchappij H. Albert de Bary & Co., Amsterdam, Netherlands. Feed head for steam boilers. 1,467,428; Sept. 11.
Hill Pump Valve Company, The. (See Bosshard, John J., assignor.)
Hinerman, Harry. (See Ewing, I. E., and Hinerman.)
Hitt, Thomas G., Seattle, Wash. Aerial serpent toy. 1,467,726; Sept. 11.
Hoffmann, Richard A., Rosebank, N. Y., Turnbuckle lock. 1,467,319; Sept. 11.
Hogue, William J., Kansas City, Mo., assignor to Petroleum Recovery Corporation, New York, N. Y. Well reamer. 1,467,480; Sept. 11.
Holmes, Henry S., New York, assignor to T. E. Murray, Brooklyn, N. Y. Uniting metal parts. 1,467,792; Sept. 11.
Holtzer-Cabot Electric Company, The. (See Kennedy, Carlton L., assignor.)
Homan, Fred J., Santa Ana, Calif. Collapsible core for concrete construction. 1,467,760; Sept. 11.
Hood, Ernest K., deceased, by H. H. Hood, administratrix, Indianapolis, Ind., assignor to American Slicing Machine Company, Chicago, Ill. Slicing machine. 1,467,791; Sept. 11.
Hood, Harriet H., administratrix. (See Hood, Ernest K.)
Hopkins, Luther S., Dubuque, Iowa. Nonset phonograph stop. 1,467,793; Sept. 11.
Hopkins, Luther S., Dubuque, Iowa. Nonset automatic phonograph stop. 1,467,794; Sept. 11.
Hovanec, Valent, Ambridge, Pa. Toy bowling alley. 1,467,600; Sept. 11.
Howard, Clyde, Lincoln, Nebr. Hay sweep. 1,467,727; Sept. 11.
Hoxie, Charles A., Schenectady, N. Y., assignor to General Electric Company. High-frequency signaling system. 1,467,988; Sept. 11.
Hubalek, Arthur, Brooklyn, N. Y. Automobile brake. 1,467,854; Sept. 11.
Hughes, Patrick G., Cincinnati, Ohio. Vehicle tire-chain apparatus. 1,467,639; Sept. 11.
Hulbert, Ansel C., San Carlos, Calif. Electric hot-water heater. 1,467,381; Sept. 11.
Hull, Homer, assignor to American Blower Company, Detroit, Mich. Lubricating pump for engines. 1,467,619; Sept. 11.
Hulsmann, Anton, San Francisco, Calif. Amusement apparatus. 1,467,934; Sept. 11.
Humphrey, Hubert R., assignor to General Gas Light Company Kalamazoo, Mich. Gas heater. 1,467,429; Sept. 11.
Hunt, John H., Dayton, Ohio, assignor to The Dayton Engineering Laboratories Company. Burner. 1,467,935; Sept. 11.
Hunt, John H., and W. A. Chryst, Dayton, Ohio, assignors to The Dayton Engineering Laboratories Company. Induction coil. 1,467,973; Sept. 11.
Hunt, John H., Dayton, Ohio, assignor to The Dayton Engineering Laboratories Company. Circuit-breaker-indicating device. 1,467,974; Sept. 11.
Huot, Louis E., Montreal, Quebec, Canada. Paper clip. 1,467,320; Sept. 11.
Hurd, Sylvester L., New Orleans, La. Cutter head for stump removing and clearing machines. 1,467,430; Sept. 11.
Hurt, Henry H., Yonkers, N. Y. Binder and making same. 1,467,321; Sept. 11.
Hutchings, Frederick E., Brooklyn, assignor to Hutchings Manufacturing Co., Inc., New York, N. Y. Bumper or fender for vehicles. 1,467,322; Sept. 11.
Hutchings Manufacturing Co. (See Hutchins, Frederick E., assignor.)
Hutchinson, Albert A., Winchester, Mass. Hide-working machine. 1,467,728; Sept. 11.
Hyde, Charles L., Plainfield, N. J. Automobile signal. 1,467,580; Sept. 11.
Hydraulic Pressed Steel Company. (See Thomas, Owen, assignor.)
Hyle, Jacob A., Philadelphia, Pa., assignor to American Rail Joint Company. Railway-rail joint. 1,467,431; Sept. 11.
Ideal Jewelry Manufacturing Company. (See Blanchard, Adna F., assignor.)
Ilich, Ustos, San Diego, Calif. Automobile bumper. 1,467,640; Sept. 11.
International Cigar Machinery Company. (See Rundell, Rupert E., assignor.)
International Harvester Company. (See Hagadone, Clinton A., assignor.)
International Harvester Company. (See Mowry, Edward, assignor.)
International Harvester Company. (See Sperry, Herbert B., assignor.)
International Motor Company. (See Josephs, L. C., jr., and Wirrer, assignors.)
Isenhour, Jacob G., Danville, Va. Dispensing apparatus. 1,467,729; Sept. 11.
Jackson, Thomas E., et al. (See Barr, Clarence E., assignor.)
Jacobs Manufacturing Company, The. (See Englund, Gustaf A., assignor.)
Janette, John T., Chicago, Ill. Fastener for securing disks on shafts. 1,467,938; Sept. 11.
Janssen, Louis A., Pittsburgh, Pa. Valve-plug remover. 1,467,936; Sept. 11.
Jarvis, Basil E., Newmarket, assignor to A. E. Tilley, Holborn, London, England. Advertising device. 1,467,937; Sept. 11.
Jarvis, Herbert C., Portland, Oreg., assignor to Pacific Car & Foundry Co., Seattle, Wash. Logging-car brake system. 1,467,795; Sept. 11.

Jeffrey Manufacturing Company, The. (See London, Jacob M., assignor.)
Jelley, James E. (See Ledyard, H. A., and Jelley.)
Jembrzycki, Stanley J., assignor to Racine Universal Motor Company, Chicago, Ill. Beating apparatus. 1,467,980; Sept. 11.
Jennison-Wright Company, The. (See Braun, Walter, assignor.)
Jensen, Rasmus J. (See Vinding, P., and Jensen.)
Jewell, James E., Kansas City, Mo. Sacking device. 1,467,323; Sept. 11.
Johnson Bros. Engineering Corporation. (See Johnson, Louis J., assignor.)
Johnson, Elmer G., Hibbing, Minn. Coupling. 1,467,730; Sept. 11.
Johnson, George W., Manufacturing Company. (See Bumbarger, Clarence R., assignor.)
Johnson, Louis J., Mishawaka, assignor to Johnson Bros. Engineering Corporation, South Bend, Ind. Outboard motor for small craft. 1,467,641; Sept. 11.
Johnson, Peter A., Portland, Oreg. Valve. 1,467,981; Sept. 11.
Johnson, Peter A., Portland, Oreg. Ship steering apparatus. 1,467,982; Sept. 11.
Johnston, George, Manchester, England. Machine for centrifugally separating solids from liquids. 1,467,853; Sept. 11.
Johnstone, George F., Chicago, Ill. Clamping contact terminal. 1,467,432; Sept. 11.
Jones, Edward P., Breckenridge, Colo. Hammer drill. 1,467,423; Sept. 11.
Jones, William M., jr., Rochester, N. Y. Vulcanizing treads and mold used in such method. 1,467,761; Sept. 11.
Jordan, Richard D., assignor to Taylor-Wharton Iron and Steel Company, High Bridge, N. J. Melting ferromanganese. 1,467,546; Sept. 11.
Josephs, Lyman C., jr., Allentown, Pa., and G. Wirrer, Plainfield, N. J., assignors to International Motor Company, New York, N. Y. Furnace for the heat treatment of metals. 1,467,669; Sept. 11.
Josephs, Lyman C., jr., Allentown, Pa., and G. Wirrer, Plainfield, N. J., assignors to International Motor Company, New York, N. Y. Furnace for the heat treatment of metals. 1,467,670; Sept. 11.
Juline, Arthur, Chicago, assignor of one-half to O. C. Dennis, Wilmette, Ill. Dispensing apparatus for toilet-seat covers. 1,467,481; Sept. 11.
Jumonville, Charles, New York, N. Y. Mop. 1,467,324; Sept. 11.
Justrite Manufacturing Company. (See Frisbie, William J., assignor.)
Juvet, Obel, Ferndale, Wash. Roll holder. 1,467,896; Sept. 11.
K-D Barrel & Hamper Co. (See Walker, Joseph L., assignor.)
Kaiser, Jacob W., Cleveland, Ohio. Device for inflating tires and the like. 1,467,671; Sept. 11.
Kam-Kap Appliance Co. (See Kenneweg, Albert H., assignor.)
Kaplan, Louis, New York, N. Y. Rubber heel. 1,467,347; Sept. 11.
Kaplan, Victor, Brunn, Austria. Directrix for turbines and the like. 1,467,325; Sept. 11.
Kaplan, Victor, Brunn, Austria. Turbine. 1,467,672; Sept. 11.
Karft, Carl, et al. (See Farnlla, Raoul A., assignor.)
Karr, Alfred D., Newark, N. J., and K. D. Perkins, assignors to Audiffren Refrigerating Machine Co., New York, N. Y. Refrigerating machine. 1,467,796; Sept. 11.
Karrett, Henry, Des Moines, Iowa. Garment. 1,467,482; Sept. 11.
Keller, Carl G., Detroit, Mich. Automobile bed. 1,467,856; Sept. 11.
Kelley, James, New York, N. Y. Toy telephone. 1,467,326; Sept. 11.
Kelloway, Charles J., Wilmington, N. C. Railway-switch mechanism. 1,467,327; Sept. 11.
Kempe, Frank A., St. Paul, Minn. Automobile signal. 1,467,328; Sept. 11.
Kennedy, Carlton L., Braintree, assignor to The Holtzer-Cabot Electric Company, Roxbury, Mass. Bearing. 1,467,673; Sept. 11.
Kennedy, Palmer, Tacoma, Wash. Cutting device. 1,467,434; Sept. 11.
Kenneweg, Albert H., Brooklyn, N. Y., assignor, by mesne assignments, to Kam-Kap Appliance Co. Inc. Multiple operating mechanism for ships' ports and the like. 1,467,642; Sept. 11.
Kenner, Clark L. (See Daylor, Philip B., assignor.)
Keterson, Joseph E., assignor of one-half to C. R and J. R. Shriver, Clio, Iowa. Chicken feeder. 1,467,329; Sept. 11.
Keystone Watch Case Company. (See Freund, Joseph A., assignor.)
Kidd, James A., assignor of one-third to S. F. Mason, Petersburg, Va. Rotary valve attachment. 1,467,674; Sept. 11.
Kiewicz, John, assignor to The Reece Button Hole Machine Company, Boston, Mass. Take-up for sewing machines. 1,467,897; Sept. 11.
Kiewicz, John, assignor to The Reece Button Hole Machine Company, Boston, Mass. Sewing machine. 1,467,898; Sept. 11.
Killion, John H., Chicago, Ill. Container. 1,467,675; Sept. 11.
Kimball, John A., Taylorville, Ill. Jack. 1,467,899; Sept. 11.
King, Clifford G., Providence, R. I. Clasp. 1,467,483; Sept. 11.
King, Jesse C., and W. S. Nish, assignors to Canada Carbide Company, Limited, Montreal, Canada. Container. 1,467,762; Sept. 11.
Kinnear, William, Saskatchewan, Canada. Golf club. 1,467,435; Sept. 11.
Kinslow, Mary E., Los Angeles, Calif. Garment. 1,467,731; Sept. 11.
Kircher, Albert E., assignor to Continental Distributors, Inc., Chicago, Ill. Fire extinguisher. 1,467,857; Sept. 11.
Kitchen, John G. A., et al. (See Alexander, Johnston R., assignor.)
Klein, Howard. (See McDonald, E. F., Klein, and Haas.)
Klugh, Bethune G., assignor to Southern Manganese Corporation, Anniston, Ala. Preliminary preparation of furnace charges for ore-smelting furnaces. 1,467,797; Sept. 11.
Knap, Herschel B., assignor to Packard Motor Car Company, Detroit, Mich. Motor vehicle. 1,467,939; Sept. 11.
Knudsen, Eugen, Trondhjem, Norway. Tanning fish skins. 1,467,858; Sept. 11.
Kontsek, Albert, Meadowlands, Pa. Loosening (opening) tin plates for cold rolling. 1,467,859; Sept. 11.
Korber, William J., Chicago, Ill. Stair construction. 1,467,900; Sept. 11.
Kraemnig, Oscar C., and J. M. Reiter, Green Bay, Wis. Tail-light and license-plate holder for vehicles. 1,467,798; Sept. 11.
Kraft, Carl. (See Mautner, Oscar, assignor.)
Kraft, Henry P., Ridgewood, N. J. Dust cap for tire valves. 1,467,484; Sept. 11.
Kramer, Joseph P., Madera, Calif. Water cooler. 1,467,436; Sept. 11.
Kurowski, Alfred G. F., Brooklyn, assignor to Underwood Typewriter Company, New York, N. Y. Typewriting machine. 1,467,940; Sept. 11.
Kurowski, Alfred G. F., Brooklyn, assignor to Underwood Typewriter Company, New York, N. Y. Typewriting machine. 1,467,941; Sept. 11.
Kurowski, Alfred G. F., Brooklyn, assignor to Underwood Typewriter Company, New York, N. Y. Typewriting machine. 1,467,942; Sept. 11.
Labourdette, Jean H., Courbevoie, France. Trailer for automobile vehicles. 1,467,581; Sept. 11.
Ladd, John H., assignor of one-third to J. J. Becker, Outlook, Mont. Recording device for railway cars. 1,467,643; Sept. 11.
Ladue, Benjamin F., Raymond, Wash. Combined storm sash and window screen. 1,467,330; Sept. 11.
Lagreid, John H., et al. (See Nicholson, Frank, assignor.)
Lake, Simon, Milford, Conn. Concrete storage plant, refrigerator, and the like. 1,467,676; Sept. 11.
Lake, Simon, Milford, Conn. Electric hammer. 1,467,677; Sept. 11.
Lampert, Lydia, Chicago, Ill. Column clamp. 1,467,860; Sept. 11.
Lampert, Lydia, Chicago, Ill. Column clamp. 1,467,943; Sept. 11.
Laudini, Ralph, Trimountain, Mich. Automatic signal. 1,467,437; Sept. 11.
Landis & Gyr A.-G. (See Mettler, Josef, assignor.)
Lang, Edward C., Melrose, assignor to Heywood-Wakefield Company, Wakefield, Mass. Car seat. 1,467,582; Sept. 11.
Lange, Armie. (See Reasoner, Casper J., assignor.)
Lange, Walter M., London, England. Ventilator. 1,467,901; Sept. 11.
Langlois, Mendoza. (See Guimont, Joseph W., assignor.)
La Plant, Albert, Bay City, Mich. Baby-carriage attachment. 1,467,811; Sept. 11.
La Plante, William R., St. Paul, Minn. Toy aeroplane. 1,467,861; Sept. 11.
Larsen, Paul, Kenosha, Wis. Package lifter. 1,467,799; Sept. 11.
Larson, Oscar G. (See Anderson, R. E., and Larson.)
La Rue, Jesse A., Birmingham, Ala. Vaporizer for liquid fuel. 1,467,800; Sept. 11.
Laurence, William L., Brooklyn, N. Y. Device for attaching cushion heels. 1,467,801; Sept. 11.
Lawrence, William M., Coeburn, Va. Liquid-level indicator. 1,467,548; Sept. 11.
Lawson, Robert H., assignor to Hemphill Company, Central Falls, R. I. Making stockings. 1,467,549; Sept. 11.
Lawton, Alfred, Manchester, England. Apparatus for the manufacture of hollow India-rubber balls. 1,467,438; Sept. 11.
Ledyard, Harry A. and J. J. Jelley, Ashland, Ohio. Vault or the like. 1,467,862; Sept. 11.
Lee, Albert P., assignor to Lee Loader & Body Co., Chicago, Ill. Dumping vehicle. 1,467,485; Sept. 11.
Lee & Nash, Inc. (See Nash, James H., assignor.)
Lee Loader & Body Co. (See Lee, Albert P., assignor.)

Lees-Bradner Company, The. (See Schurr, Charles H., assignor.)
Leveque, Bernard T., Wenham, Mass., assignor, by mesne assignments, to United Shoe Machinery Corporation, Paterson, N. J. Driving and stopping mechanism. 1,467,584; Sept. 11.
Libbey, C. A., Company. (See Rasmussen, Robert F., assignor.)
Libbing, Henry H., San Francisco, Calif. Fruit and vegetable peeler. 1,467,863; Sept. 11.
Lichtenhahn, Theodor. (See Luscher, E., and Lichtenhahn.)
Lichtenthaeler, Frank E., Newton Highlands, Mass. Apparatus for the manufacture of ether. 1,467,583; Sept. 11.
Lindenmuth, Harry D., Fleming, Pa. Valve lifter. 1,467,439; Sept. 11.
Lindsey, Frederick C., Indianapolis, Ind. Engine-controlling mechanism. 1,467,620; Sept. 11.
Litle, Thomas J., jr., assignor, by mesne assignments, to H. H. Emmons, Detroit, Mich. Clutch disk. 1,467,732; Sept. 11.
Livingston, Frank S., assignor to Snow Manufacturing Company, Los Angeles, Calif. Valve. 1,467,486; Sept. 11.
Lock Joint Pipe Company. (See Mitchell, John C., assignor.)
London, Jacob M., Tunnelton, Pa., assignor, by mesne assignments, to The Jeffrey Manufacturing Company, Columbus, Ohio. Mining machine. 1,467,864; Sept. 11.
Lord, Percy V., Bexley, England. Adjustable square. 1,467,550; Sept. 11.
Luftschiffbau Zeppelin Gesellschaft mit beschrankter Haftung. (See Stahl, Karl, assignor.)
Lumb, James, Elland, England. Valve for use in connection with pneumatic tires applicable for other suitable purposes. 1,467,440; Sept. 11.
Luscher, Emil, and T. Lichtenhahn, Basel, assignors to Elektrizitatswerk Lonza, Gampel and Basel, Switzerland. Manufacture of metaldehyde. 1,467,733; Sept. 11.
Lybeck, Nels A., Brooklyn, N. Y. Fishing boat. 1,467,763; Sept. 11.
Lyhne, Anker S., Bridgeport, Conn. Vanity box. 1,467,764; Sept. 11.
Lyon, George A., Philadelphia, Pa. Automobile brace bar and buffer. 1,467,382; Sept. 11.
Lyon, George A., Philadelphia, Pa. Doubled attaching-member buffer. 1,467,383; Sept. 11.
Lyon, George A., Philadelphia, Pa. Brace-bar automobile buffer. 1,467,384; Sept. 11.
Lyon, George A., Philadelphia, Pa. Brace-bar buffer. 1,467,385; Sept. 11.
Lyon, George A., Philadelphia, Pa. Resilient front buffer. 1,467,386; Sept. 11.
Lyon, George A., Philadelphia, Pa. Rear buffer attachment. 1,467,387; Sept. 11.
Lyon, George A., Philadelphia, Pa. Automobile bumper. 1,467,388; Sept. 11.
Lyon, George A., Philadelphia, Pa. Automobile brace-bar buffer. 1,467,389; Sept. 11.
Lyon, George A., Philadelphia, Pa. Automobile buffer and attachment therefor. 1,467,390; Sept. 11.
McCallum, Albert E., Ypsilanti, Mich. Wall form. 1,467,903; Sept. 11.
McClay, Roy C., assignor of one-half to W. H. Myers, Los Angeles, Calif. Combined reamer and polisher. 1,467,977; Sept. 11.
McCleary, Elmer T. (See Schoenfeldt, H. W., Reinhardt, and McCleary.)
McClure, Rodney N., Los Angeles, Calif. Direction-indicator for motor vehicles. 1,467,487; Sept. 11.
McComas, Joe M., Kansas City, Mo. Grave marker. 1,467,391; Sept. 11.
McDermut, N. E. (See Fairbanks, George W., assignor.)
McDonald-Klein Distributing Company. (See McDonald, E. F., Klein, and Haas, assignors.)
McDonald, Edward F., H. Klein, and L. L. Haas, assignors to McDonald-Klein Distributing Company, Buffalo, N. Y. Liquid-circulating pump. 1,467,331; Sept. 11.
McGee, Wade W. (See Doerres, R. N., and McGee.)
McIntire, James F., assignor to United States Radiator Corporation, Detroit, Mich. Sectional-furnace construction. 1,467,332; Sept. 11.
McKee, Stillman W., Los Angeles, Calif. Follow-up filing system. 1,467,644; Sept. 11.
McLaughlin, Everett E. (See Naujoks, W., and McLaughlin.)
McMullin, Harry W., Frankfort, Ind. Gear shift. 1,467,765; Sept. 11.
McMurphy, Crawford E., Fairfax, Mo. Nest box. 1,467,622; Sept. 11.
McMurphy, Crawford E., Fairfax, Mo. Neck ring. 1,467,623; Sept. 11.
McNaughton, Peter D., Dighton, Mich. Riveting device. 1,467,679; Sept. 11.
McOmish, Daniel J., Northcote, Victoria, Australia. Infant's soothing tent. 1,467,904; Sept. 11.
McPherson, Alonzo L., Amesbury, Mass. Automobile seat. 1,467,645; Sept. 11.
Macdonald, Robert, jr. (See Richmond, H. A., and Macdonald.)
Mackin, Richard, Boston, Mass. Wrench. 1,467,678; Sept. 11.
MacLachlan, John D., Chadwick, Mo. Engine. 1,467,734; Sept. 11.
Macy, Barnett W., assignor to Electric Heating Corporation, Jacksonville, Fla. Oil pump. 1,467,441; Sept. 11.
Madsen, Carl J. (See Chazen, S., and Madsen.)
Magnum Import Co. (See Schoenbrun, Arthur, assignor.)
Mahoney, Harold F., Schenectady, N. Y. Flagstaff holder. 1,467,621; Sept. 11.
Mainland, John., assignor to Advance-Rumely Company, Laporte, Ind. Automatic weigher. 1,467,802; Sept. 11.
Manifold Impressions Corporation. (See Cossitt, Malcolm L., assignor.)
Mansfield, Frank W., Canton, Mass. Stop motion for braiding machines. 1,467,551; Sept. 11.
Marden, Francis S. (See Adams, Comfort A., assignor.)
Mark, Vennice H., Alta, Iowa. Drawbar for drags. 1,467,865; Sept. 11.
Marsh, Jas. P., & Company. (See Harrison, Amos, assignor.)
Marx & Haas Clothing Co. (See Rivett, A. W., and Weinberger, assignors.)
Mason, Eugene G., Washington, D. C., assignor to Continental Can Company, Inc., Syracuse, N. Y. Timing device for filled-can-closing machines. 1,467,442; Sept. 11.
Mason, Max C., Keene, N. H. Rotary pump. 1,467,944; Sept. 11.
Mason, Stanley F. (See Kidd, James A., assignor.)
Mattingly, Albertus B., New York, N. Y. Attachment for sewing machines. 1,467,866; Sept. 11.
Mauch, John L., Gulf, Tex. Distribution system for feeding hot liquid material to traveling belts. 1,467,867; Sept. 11.
Mauch, John L., Gulf, Tex. Cooling device for casting machines. 1,467,902; Sept. 11.
Mautner, Oscar, assignor of one-half to C. Kraft, New York, N. Y. Envelope. 1,467,803; Sept. 11.
Mautner, Oscar, et al. (See Faralla, Raoul A., assignor.)
May, Michel, Los Angeles, Calif. Heat retaining and conducting attachment for burner stoves. 1,467,868; Sept. 11.
Meadows, Samuel, Boston, Mass. Shade for windshields of automobiles. 1,467,766; Sept. 11.
Mecky, A., Company. (See Mottlau, August J., assignor.)
Meinken, John, St. Paul, Minn. Means for deaerating radiators of heating systems. 1,467,552; Sept. 11.
Merritt, Arthur A., Worcester, Mass., assignor to Willcox & Gibbs Sewing Machine Co., New York, N. Y. Tension-thread guide. 1,467,443; Sept. 11.
Merte, Willy, assignor to C. Zeiss, Jena, Germany. Telephoto objective. 1,467,804; Sept. 11.
Mervin, William M., et al. (See Barr, Clarence E., assignor.)
Mettler, Josef, assignor to Landis & Gye A.-G., Zug, Switzerland. Time switch. 1,467,444; Sept. 11.
Meyberg, Manfred, assignor to Germain Seed and Plant Company, Los Angeles, Calif. Display case. 1,467,805; Sept. 11.
Meyer, William C., Beverly, Mass., assignor to United Shoe Machinery Company, Paterson, N. J. Inseam shoe-sewing machine. 1,467,586; Sept. 11.
Meyers, Louis W. and H. F. Demke, Chicago, Ill. False head. 1,467,445; Sept. 11.
Midgley, Thomas, jr., assignor, by mesne assignments, to General Motors Research Corporation, Dayton, Ohio. Hydrogenation furnace. 1,467,905; Sept. 11.
Milkent, George P., Niles, Ohio. Rail chair. 1,467,869; Sept. 11.
Miller, Arthur H. (See Winkler, W., and Miller.)
Miller, John L., Fort Collins, Colo. Vehicle spring. 1,467,870; Sept. 11.
Miller, John L., Fort Collins, Colo. Suspension railway. 1,467,871; Sept. 11.
Minnick, Frederick L., assignor to Tubular Steel Automobile Wheel Manufacturing Company, Spokane, Wash. Vehicle wheel. 1,467,446; Sept. 11.
Mistrot, Simon P., Galveston, Tex. Clothes hook. 1,467,553; Sept. 11.
Mitchell, Elmer C., St. Louis, Mo. Adjustable spring turnbuckle and hanger. 1,467,872; Sept. 11.
Mitchell, John C., East Orange, assignor to Lock Joint Pipe Company, Ampere, N. J. Joint for concrete pressure pipes. 1,467,585; Sept. 11.
Mix, Muriel M., Lidgerwood, N. Dak. Camera-case attachment. 1,467,906; Sept. 11.
Miyagi, Takeo, Waipahu, Oahu, Hawaii. Nut lock. 1,467,907; Sept. 11.
Moller, Edvard M. (See Benedict, H. A., and Moller.)
Moore, Benjamin F. (See Moore, Henry E. and B. F.)
Moore, Henry E. and B. F., Vance, Wash. Shock absorber. 1,467,945; Sept. 11.
Moore, Roscoe, assignor to Vulcan Iron Works, Wilkes-Barre, Pa. Interlocking device. 1,467,554; Sept. 11.
Moore, Ulysses S., Lomax, Ill. Tool box for motor vehicles. 1,467,555; Sept. 11.
Morgan, Louis A., Safety Harbor, Fla. Wrench. 1,467,735; Sept. 11.
Morris, Francis A., assignor to Bachmann Bros., Philadelphia, Pa. Spectacle hinge. 1,467,946; Sept. 11.
Mottlau, August J., assignor to A. Mecky Company, Philadelphia, Pa. Spring washer for coaster brakes. 1,467,873; Sept. 11.
Mountain, Thomas O., El Paso, Tex. Valve. 1,467,447; Sept. 11.

Mowry, Edward, Rock Falls, Ill., assignor to International Harvester Company. Windrow loader. 1,467,392; Sept. 11.
Muchow, William M., assignor to Flossy Dental Mfg. Co., Evanston, Ill. Dentist's drill cleaner. 1,467,874; Sept. 11.
Murray, Thomas E. (See Holmes, Henry S., assignor.)
Muste, Leonard, Grand Rapids, Mich. Sand-blast machine. 1,467,488; Sept. 11.
Myers, William H. (See McClay, Roy C., assignor.)
Nagel, August, Stuttgart, Germany. Camera case. 1,467,556; Sept. 11.
Nash, James H., Caldwell, N. J., assignor to Lee & Nash, Inc., New York, N. Y. Collapsible display card. 1,467,624; Sept. 11.
Naujoks, William, and E. E. McLaughlin, Los Angeles, Calif. Reed cutter. 1,467,806; Sept. 11.
Neilan, Thomas J., Newark, N. J., and G. W. Zobanaky, Elmhurst, assignors to Cocoa Products Company of America Incorporated, Long Island City, N. Y. Cocoa butter and recovering same. 1,467,587; Sept. 11.
Nelson, Lewen R., Peoria, Ill. Nozzle. 1,467,807; Sept. 11.
Neville, Herbert. (See Wilkie, J. B., and Neville.)
New Jersey Patent Company. (See Warner, Selden G., assignor.)
Newman, George W., Chicago, Ill., assignor to Wilson-Jones Loose Leaf Company. Transfer binder. 1,467,808; Sept. 11.
Nicholson, Frank, assignor of seventy per cent to J. H. Lagreid and twenty-five per cent to A. H. Richards, Seattle, Wash. Quick-set wrench. 1,467,978; Sept. 11.
Nicolardot, Henri, Boulogne-sur-Seine, France. Non-puncturing air chamber. 1,467,557; Sept. 11.
Nish, William S. (See King, J. C., and Nish.)
Noba, William P., Baltimore, Md. Envelope. 1,467,393; Sept. 11.
Nordberg, Bruno V., Milwaukee, Wis. Compressor. 1,467,489; Sept. 11.
Norris, Paul E., Swissvale, Pa., assignor to Willard Storage Battery Company, Cleveland, Ohio. Casting machine. 1,467,490; Sept. 11.
North, Clayton O., Tallmadge, Ohio. Employing derivatives of the condensation products of amines and aldehydes in the vulcanization of rubber. 1,467,984; Sept. 11.
Norviel, Harry E., assignor to The Teagle Company, Cleveland, Ohio. Switch. 1,467,947; Sept. 11.
Oda, Cinco S., assignor of one-half to P. N. Fisher, Boston, Mass. Pennant embodying picture frame. 1,467,680; Sept. 11.
Oelwerke Stern-Sonneborn A. G. (See Vogel, Hans E. R., assignor.)
O'Hanlon, James R., et al. (See Alexander, Johnston R., assignor.)
Ohio Automatic Sprinkler Company. (See Hamilton, John R., assignor.)
Olshei, John R., assignor to Tri-Continental Corporation, Buffalo, N. Y. Tightening device for demountable wheel rims. 1,467,809; Sept. 11.
Okill, John, Rock Ferry, England. Pressure indicator for internal-combustion engines and the like. 1,467,558; Sept. 11.
Oliver, Edd C., Adrian, Mich. Twist drill. 1,467,491; Sept. 11.
Olson, Frank A., Revere, Minn. Combined water-feed valve and cleaner. 1,467,492; Sept. 11.
O'Rourke, Thomas J., Worcester, Mass., assignor to The Washburn Company. Toaster. 1,467,767; Sept. 11.
Owens, John, Washington, D. C. Grease cup. 1,467,646; Sept. 11.
Owen, William O., Washington, D. C. Crank for winding spools, etc. 1,467,736; Sept. 11.
Pacific Car and Foundry Company. (See Chriswell, Frederick W., assignor.)
Pacific Car & Foundry Co. (See Jarvis, Herbert C., assignor.)
Packard Motor Car Company. (See Knap, Herschel B., assignor.)
Packard Motor Car Company (See Tibbetts, Milton, assignor.)
Packard Motor Car Company. (See Vincent, Jesse G., assignor.)
Packard Motor Car Company. (See Woolson, Lionel M., assignor.)
Page, Byron E., Spring Valley, Minn. Corn popper. 1,467,448; Sept. 11.
Paisolli, Joachin L., Copiague, N. Y. Butter-cutting machine. 1,467,979; Sept. 11.
Palmer, Charles W., and W. A. Dickie, Spondon, near Derby, assignors to H. Dreyfus, London, England. Manufacture of artificial filaments, threads, and films. 1,467,493; Sept. 11.
Patriarche, Hugh R., Winnipeg, Manitoba, Canada. Anti-skidding device. 1,467,647; Sept. 11.
Patton, Luther, Birmingham, Ala. Insect catcher. 1,467,494; Sept. 11.
Patton, Luther, Birmingham, Ala. Insect catcher. 1,467,495; Sept. 11.
Paynter, William D. (See Starr, G. W., and Paynter.)
Peale, Rembrandt. (See Davis, Kenneth, assignor.)
Peano, Felix, Inglewood, Calif. Producing motion pictures. 1,467,394; Sept. 11.
Pearson, Carl F., Chicago, Ill., assignor to Chicago Machine & Motor Co. Machine element. 1,467,449; Sept. 11.
Pearson, Morris A., assignor to Allen Machine Company, Erie, Pa. Tire press. 1,467,948; Sept. 11.
People of the United States. (See Gore, Herbert C., assignor.)
Perfection Cooler Company. (See Boggs, Atwood L., assignor.)
Perkins, Karl D. (See Karr, A. D., and Perkins.)
Perry, William J., Toronto, Ontario, Canada. Pipe-casting machine 1,467,496; Sept. 11.
Perrigo, Warren H., Arlington, Wash. Stand for velocipedes. 1,467,908; Sept. 11.
Pershing, Olynthus H., Muncie, Ind. Meat cleaver and tenderer. 1,467,949; Sept. 11.
Pescara, Raul P., Barcelona, Spain. System of propellers with differential twist between the propellers for aircraft of the helicopter type. 1,467,648; Sept. 11.
Peters, Cornelius A., assignor, by mesne assignments, to Beeman Tractor Company, Minneapolis, Minn. Clutch-controlling means. 1,467,681; Sept. 11.
Petroleum Recovery Corporation. (See Hogue, William J., assignor.)
Pettit, George A., New Orleans, La. Lubricant gun. 1,467,649; Sept. 11.
Pflager, Harry M., assignor to Commonwealth Steel Company, St. Louis, Mo. Transom draft gear. 1,467,682; Sept. 11.
Pflager, Harry M., assignor to Commonwealth Steel Company, St. Louis, Mo. Six-wheel car truck. 1,467,683; Sept. 11.
Pflager, Harry M., assignor to Commonwealth Steel Company, St. Louis, Mo. Six-wheel car truck. 1,467,684; Sept. 11.
Pfleger, Gustav, Bridgeton, N. J. Faucet. 1,467,450; Sept. 11.
Phelps, Spencer H., assignor, by mesne assignments, to Beeman Tractor Company, Minneapolis, Minn. Shifting strap for agricultural implements. 1,467,685; Sept. 11.
Philip, Charles W., San Francisco, Calif. Internal-combustion engine. 1,467,497; Sept. 11.
Phillips, John H., Chicago, Ill. Tubular drill. 1,467,451; Sept. 11.
Phister, Albert B., Fort Thomas, Ky., assignor to The Phister Manufacturing Company, Cincinnati, Ohio. Fire extinguisher. 1,467,980; Sept. 11.
Phister Manufacturing Company, The. (See Phister, Albert B., assignor.)
Pieper, Chester R., La Crosse, Wis. Hair net. 1,467,559; Sept. 11.
Pilling, Norman B., Wilkinsburg, and R. E. Bedworth, Pittsburgh, Pa., assignors to Westinghouse Electric & Manufacturing Company. High-temperature resistor material. 1,467,810; Sept. 11.
Plantz, H. A., et al. (See Bumbaugh, Clyde C., assignor.)
Pond, Skaife L., and G. E. Simkins, Hill City, S. Dak. Beet topper. 1,467,650; Sept. 11.
Portsmouth Auto Body Company. (See Boyan, T. J., and Eklund, assignors.)
Postel-Vinay, Pierre J. R., assignor to Societe des Moteurs Salmson Systeme Canton-Unne, Paris, France. Valve-actuating lever for internal-combustion engines. 1,467,964; Sept. 11.
Power, Nicholas, Brooklyn, assignor to Nicholas Power Company, New York, N. Y. Fire-preventing device for motion-picture machines. 1,467,812; Sept. 11.
Power, Nicholas, Company. (See Power, Nicholas, assignor.)
Prax, Joseph F., Rochester, N. Y. Battery connection. 1,467,651; Sept. 11.
Price, Jessie E., Los Angeles, Calif. Pneumatic composite heel. 1,467,875; Sept. 11.
Prescott, Sydney I., New York, N. Y., and F. J. Rummler, Lyndhurst, N. J. Wheel rim. 1,467,588; Sept. 11.
Racine Tool and Machine Company. (See Banker, Oscar H., assignor.)
Racine Universal Motor Company. (See Jembrzycki, Stanley J., assignor.)
Radcliffe, Louie, Indianapolis, Ind. Hair waver. 1,467,498; Sept. 11.
Rafn, Robert, Moss, Norway. Shaking apparatus for cans containing condensed milk. 1,467,909; Sept. 11.
Rahm, Robert C., Wyomissing, assignor to Reading Valve and Fittings Company, Reading, Pa. Testing machine for pipe fittings. 1,467,813; Sept. 11.
Rammel, Thomas H., Plainville, Mass., assignor to Whiting & Davis Company. Bag clasp. 1,467,589; Sept. 11.
Raper, Howard R., Albuquerque, N. Mex. Film packet for X-ray work. 1,467,876; Sept. 11.
Rasmussen, Robert F., assignor to C. A. Libbey Company, Oshkosh, Wis. Bull-leading staff. 1,467,452; Sept. 11.
Rauscher, Frederick, West New Brighton, N. Y. Overshoe. 1,467,950; Sept. 11.
Reading Valve and Fittings Company. (See Rahm, Robert C., assignor.)
Rea, Albert L., Shawnee, Ohio. Automatic stuffing box. 1,467,877; Sept. 11.
Reasoner, Casper J., Dows, Iowa, assignor of one-third to A. Lange, Highmore, S. Dak. Automatic wagon brake. 1,467,499; Sept. 11.
Reaves, William P., Greensboro, N. C. Astigmatic and visual acuity apparatus. 1,467,500; Sept. 11.

Reece Button Hole Machine Company, The. (See Kiewicz, John, assignor.)
Reedy, John H., assignor to The Champion Coated Paper Company, Hamilton, Ohio. Paper-sorting table. 1,467,652; Sept. 11.
Reinhardt, Gustav A. (See Schoenfeldt, H. W., Reinhardt, and McCleary.)
Reiter, John M. (See Kraennig, O. C., and Reiter.)
Remacle, Edmond, Newark, N. J. Caster for toys. 1,467,453; Sept. 11.
Reynolds, Harry R., assignor to The Fafnir Bearing Company, New Britain, Conn. Apparatus for lubricating ball bearings. 1,467,686; Sept. 11.
Rheostatic Company Limited, The. (See Satchwell, Leonard, assignor.)
Richmond, Harold A., and R. Macdonald, jr., assignors to General Abrasive Company, Inc., Niagara Falls, N. Y. Aluminous abrasive and making the same. 1,467,590; Sept. 11.
Riker, Andrew L., Fairfield, Conn. Speed-changing device and take-up of chain drives or the like. 1,467,591; Sept. 11.
Rimpler, Frank A. (See Rimpler, John H. and F. A.)
Rimpler, John H. and F. A., Goshen, Ind. Saddle cover. 1,467,878; Sept. 11.
Rivett, Arthur W., and B. Weinberger, assignors to Marx & Haas Clothing Co., St. Louis, Mo. Transmission appliance. 1,467,687; Sept. 11.
Ritter, Adolph P., Chicago, Ill. Automatically-flushing mat. 1,467,814; Sept. 11.
Richards, Analdo H., et al. (See Nicholson, Frank, assignor.)
Riege, Rudolph, Montclair, N. J. Controlling internal-combustion engine. 1,467,333; Sept. 11.
Robertson, Frank E., assignor to The P. A. Geier Company, Cleveland, Ohio. Mechanism for power-driven washing machines. 1,467,879; Sept. 11.
Roemer, Henry A., Canton, Ohio. Rolling mill. 1,467,880; Sept. 11.
Roemer, Ralph R., Akron, Ohio, assignor to The Akron Cultivator & Mfg. Co. Stove. 1,467,815; Sept. 11.
Rogers, William A., Limited. (See Bearce, Alexis W., assignor.)
Roller-Smith Company. (See Smith, Herbert A., assignor.)
Roney, William F., Denver, Colo. Turning tool. 1,467,501; Sept. 11.
Rope, Arthur E., Brooklyn, N. Y. Valve. 1,467,816; Sept. 11.
Rood, Fletcher C., Walla Walla, Wash. Flushing mechanism. 1,467,454; Sept. 11.
Rose, Baron, Bialesowen, England. Breech-loading sporting gun and the manufacture thereof. 1,467,502; Sept. 11.
Rosebush, Fred J. (See Rosebush, Louis and F. J.)
Rosebush, Louis and F. J., Flint, Mich. Demountable rim. 1,467,881; Sept. 11.
Rosenberger, Lyman S., Philadelphia, Pa. Soap dispenser. 1,467,951; Sept. 11.
Rosillo, José G., Mexico, Mexico. Vehicle wheel. 1,467,334; Sept. 11.
Ross, George and M. J., San Francisco, Calif. Sector spacer. 1,467,395; Sept. 11.
Ross, Maurice J. (See Ross, George and M. J.)
Ross, Robert B. (See Bowen, G. G., Duley, and Ross.)
Rottel, Herman W., Milwaukee, Wis. Cooling mechanism for compressors. 1,467,503; Sept. 11.
Roy, Joseph O., Montreal, Quebec, Canada. Button. 1,467,335; Sept. 11.
Rumfelt, Michael R., South Lima, N. Y. Weather vane. 1,467,336; Sept. 11.
Rummler, Francis J. (See Prescott, S. I., and Rummler.)
Rundell, Rupert E., Brooklyn, N. Y., assignor to International Cigar Machinery Company. Wrapper carrier for cigar machines. 1,467,592; Sept. 11.
Runkle, Ora A., Wooster, Ohio. Brush. 1,467,337; Sept. 11.
Ryder, Frank A., Chicago, Ill. Spark gap. 1,467,882; Sept. 11.
Ryon, Eppa H., Waltham, assignor to Crompton & Knowles Loom Works, Worcester, Mass. Weft-carrier magazine. 1,467,653; Sept. 11.
Sabarros, Louis, Bayonne, France. Apparatus for mechanical handling of goods. 1,467,504; Sept. 11.
Saloun, Martin, Milwaukee, Wis. Preserving receptacle. 1,467,338; Sept. 11.
Sammarone, Amato N., Cleveland, Ohio. Electrodynamic machine. 1,467,339; Sept. 11.
Sartain, Louis M., Pelham, Tenn. Lock nut. 1,467,688; Sept. 11.
Satchwell, Leonard, assignor to The Rheostatic Company Limited, Slough, Buckinghamshire, England. Grid resistance. 1,467,952; Sept. 11.
Scherer, Adolph, Philadelphia, Pa. Lamp shade. 1,467,689; Sept. 11.
Schmid, Oscar F., Jackson, Mich. Dentifrice. 1,467,455; Sept. 11.
Schoenbrun, Arthur, assignor to Magnum Import Co., Inc., New York, N. Y. Container. 1,467,768; Sept. 11.
Schoenfeldt, Henry W., G. A. Reinhardt, and E. T. McCleary, Youngstown, Ohio. Welding. 1,467,625; Sept. 11.
Schroger, Charles T., Sioux Falls, S. Dak. Frying machine. 1,467,396; Sept. 11.
Schuck, Walter P., Portland, Oreg., assignor, by mesne assignments, to Vegetable Oil Securities Company, Pittsburgh, Pa. Making metal catalysts. 1,467,397; Sept. 11.
Schueler, George R., Kingston-upon-Hull, England. Oil or like press or expressing apparatus of the worm-screw type. 1,467,737; Sept. 11.
Schultz, Anton. (See Schultz, Frank A., assignor.)
Schultz, Frank A., Burnett Junction, assignor to A. Schultz, Columbus, Wis. Seat support for tractors and other motor-driven vehicles. 1,467,817; Sept. 11.
Schumacher, Earle E., East Orange, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y. Coating. 1,467,398; Sept. 11.
Schurr, Charles H., assignor to The Lees-Bradner Company, Cleveland, Ohio. Indexing mechanism. 1,467,985; Sept. 11.
Schwaegler, William, Chicago, Ill. Knockdown table. 1,467,505; Sept. 11.
Schwarz, Matilda C., Freeport, Ill. Foldable receptacle for games and other articles. 1,467,690; Sept. 11.
Schwengel, Oscar, Port Washington, Wis. Time-controlled switch mechanism. 1,467,507; Sept. 11.
Schwenke, Hermann, Herringen, assignor of one-half to Zeche de Wendel, Hamm, Westphalia, Germany. Cooling coke. 1,467,506; Sept. 11.
Scoles, Arthur W., Tulsa, Okla. Composition for removing paint. 1,467,654; Sept. 11.
Scott, Robert W., Babylon, N. Y. Web-holder mechanism for knitting machines. 1,467,691; Sept. 11.
Scott, Rumsey W., Montclair, N. J., assignor to Elevator Supplies Company, Inc. Elevator-door-controlling means. 1,467,692; Sept. 11.
Scribner, Charles E. T., Medford, Mass. Lapping machine. 1,467,693; Sept. 11.
Seeck, Ferdinand W., Lebanon, Oreg. Differential mechanism. 1,467,560; Sept. 11.
Selb, John J. (See Abramowitz, Joseph, assignor.)
Sellars, John D., Long Beach, Calif. Combination sash and screen door. 1,467,953; Sept. 11.
Seng, Camille, Romilly-sur-Seine, assignor to Society Meyrel Freres, Colmar, France. Instantaneous pipe coupling. 1,467,508; Sept. 11.
Seufert, Hermann, Brooklyn, N. Y. Film-feeding mechanism for cinematographs. 1,467,593; Sept. 11.
Shipper, Isaac D., Philadelphia, Pa. Electric welding furnace. 1,467,954; Sept. 11.
Shortt, Edward G., Carthage, N. Y. Fluid-pressure brake mechanism. 1,467,694; Sept. 11.
Shriver, C. R., et al. (See Kesterson, Joseph E., assignor.)
Shriver, J. R., et al. (See Kesterson, Joseph E., assignor.)
Shute, Arthur C. (See Bergen, W. V., and Shute.)
Siegel, Abram, Rochester, N. Y. Wall construction. 1,467,340; Sept. 11.
Siemens-Shuckertwerke Gesellschaft mit beschränkter Haftung. (See Zederbohm, Willy, assignor.)
Silvius, Earl J., Salem, N. H. Revoluble buffer. 1,467,456; Sept. 11.
Simkins, Guy E. (See Pond, S. L., and Simkins.)
Singer Manufacturing Company, The. (See De Voe, Albert H., assignor.)
Sizer, Albert W., Hessle, England. Machine for compressing or molding plastic substances. 1,467,883; Sept. 11.
Skaggs, James A., Canton, Ohio. Foot rest and chain kit. 1,467,884; Sept. 11.
Skayef Ball Bearing Company. (See Hanson, Bengt M. W., assignor)
Skinner, Lewis B., Denver, Colo. Furnace apparatus. 1,467,509; Sept. 11.
Steuart, Guy T., Washington, D. C. Tail-light sign device. 1,467,738; Sept. 11.
Stevens, William A., Maidstone, England. Power-transmission control. 1,467,958; Sept. 11.
Stewart, Arthur L., and E. Finsen, assignors to Gleason Works, Rochester, N. Y. Gearing mechanism. 1,467,655; Sept. 11.
Stewart, E. C., et al. (See Todd, Charles H., assignor.)
Stewart, Thomas B., Los Angeles, Calif. Propeller. 1,467,515; Sept. 11.
Stewart, William P., Pueblo, Colo. Safety rail for railways. 1,467,696; Sept. 11.
Stoehrer & Pratt Dodgem Corporation. (See Stoehrer, Harold and M., assignors.)
Stoehrer, Harold and M., Methuen, assignors to Stoehrer & Pratt Dodgem Corporation, Lawrence, Mass. Amusement device. 1,467,959; Sept. 11.
Stoehrer, Max. (See Stoehrer, Harold and M.)
Stone, J., & Company Limited. (See Cotter, E. W., and Troughton, assignors.)
Strong, Ernest G., assignor to The Timken Roller Bearing Company, Canton, Ohio. Indicating gauge. 1,467,341; Sept. 11.
Sturt, Alfred T., Flint, Mich., assignor to Durant Motors Incorporated. Running-board support. 1,467,656; Sept. 11.
Sullivan, David M., and G. W. Baity, Greensboro, N. C. Spinning machine. 1,467,457; Sept. 11.
Suverkrop, Edward A., deceased; J. H. Suverkrop, administratrix, assignor to J. H. Suverkrop, Sea Cliff, N. Y. Lapping machine. Re15,684; Sept. 11.

Suverkrop, Jenny H. (See Suverkrop, Edward A., assignor.)
Suverkrop, Jenny H., administratrix. (See Suverkrop, Edward A.)
Swihart, Eraphia A., Randall, Kans. Incubator. 1,467,886; Sept. 11.
Tagert, William C., Aspen, Colo. Horn weight. 1,467,769; Sept. 11.
Tagit Company, The. (See Borchert, William, and F. L., assignors.)
Talmon, Urban C., Kellogg, Idaho. Treatment and leaching of complex ores. 1,467,516; Sept. 11.
Tamamura, Yusuke, Tokyo-fu, Japan. Clip for ropeway cars. 1,467,739; Sept. 11.
Tamplin, Harry D., West Manchester, Ohio. Mold for concrete blocks. 1,467,657; Sept. 11.
Tandler, Gustav. (See Tandler, Oskar and G.)
Tandler, Oskar and G., Crimmitschau, Germany. Warp holder. 1,467,697; Sept. 11.
Taylor, Edward A., assignor to The Grasselli Chemical Company, Cleveland, Ohio. Apparatus for dissolving solids. 1,467,342; Sept. 11.
Taylor-Wharton Iron and Steel Company. (See Hall, John H., assignor.)
Taylor-Wharton Iron and Steel Company. (See Jordan, Richard D., assignor.)
Taylor, William, Leicester, England. Polishing machine. 1,467,517; Sept. 11.
Taylor, William, Leicester, England. Grinding machine. 1,467,518; Sept. 11.
Teagle Company, The. (See Norviel, Harry E., assignor.)
Thiele, Byron W. (See Gibbs, R. H., and Thiele.)
Thimgren, Edward, Popotla, Mexico. Cigarette case. 1,467,627; Sept. 11.
Thomas, August, Berlin-Schoneberg, assignor to Deutsche Werke Aktiengesellschaft, Berlin, Germany. Mechanism for grinding crank shafts. 1,467,402; Sept. 11.
Thomas, Owen, assignor to The Hydraulic Pressed Steel Company, Cleveland, Ohio. Bung for barrels. 1,467,698; Sept. 11.
Thompson, Albert R., assignor to Anderson-Barngrover Mfg. Co., San Jose, Calif. Machine for treating canned goods. 1,467,561; Sept. 11.
Thompson, Albert R., assignor to Anderson-Barngrover Mfg. Co., San Jose, Calif. Cooking and cooling apparatus. 1,467,960; Sept. 11.
Thompson, Lewis I., Portland, Oreg. Vehicle wheel. 1,467,740; Sept. 11.
Thomson, Earl L., Dunkirk, Ohio. Distant tractor control. 1,467,658; Sept. 11.
Tibbetts, Charles B., Walpole, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J. Coating apparatus. 1,467,343; Sept. 11.
Tibbetts, Milton, assignor to Packard Motor Car Company, Detroit, Mich. Identification method and means. 1,467,961; Sept. 11.
Tilley, Albert E. (See Jarvis, Basil E., assignor.)
Timken Roller Bearing Company, The. (See Strong, Ernest G., assignor.)
Timm, Harry P., Bennington, Nebr. Draft coupling for tractors. 1,467,519; Sept. 11.
Todd, Charles H., Dundee, assignor of one-fourth to E. C. Stewart and one-fourth to E. M. Weber, Corning, N. Y. Saw frame and table. 1,467,887; Sept. 11.
Toomey, George A., Springfield, Mass. Measuring instrument. 1,467,403; Sept. 11.
Toomey, John F., New York, N. Y., assignor to American Telephone and Telegraph Company. Signaling circuit. 1,467,458; Sept. 11.
Toomey, John J., Chicago, Ill. Range. 1,467,520; Sept. 11.
Torrington Company, The. (See Calder, John A., assignor.)
Trethaway, Joseph D., assignor to Trethaway Mfg. Co., Wilkes-Barre, Pa. Toy. 1,467,659; Sept. 11.
Trethaway, Joseph D., Wilkes-Barre, Pa., assignor to Trethaway Mfg. Company, Newark, N. J. Wheel. 1,467,660; Sept. 11.
Trethaway Mfg. Co. (See Trethaway, Joseph D., assignor.)
Tri-Continental Corporation. (See Oisbei, John R., assignor.)
Troughton, Ernest. (See Cotter, E. W., and Troughton.)
Truscon Steel Company. (See White, Herbert E., assignor.)
Trust, Henry. (See Trust, Josephine and H.)
Trust, Josephine and H., Park Ridge, N. J., assignors, by mesne assignments, to Fitchburg Machine Works, Fitchburg, Mass. Food machine. 1,467,770; Sept. 11.
Trust, Josephine and H., Park Ridge, N. J., assignors, by mesne assignments, to Fitchburg Machine Works, Fitchburg, Mass. Food machine. 1,467,820; Sept. 11
Tubbs, Earl D., New York, N. Y. Concrete tie clip. 1,467,741; Sept. 11.
Tubular Steel Automobile Wheel Manufacturing Company. (See Minnick, Frederick L., assignor.)
Tucker, Henry L., assignor to Tom Wye, Inc., Winchendon, Mass. Seam for fabrics. 1,467,626; Sept. 11.
Tucker, Roger V., Byers, Tex. Car coupler. 1,467,459; Sept. 11.
Turner, David E., Hampstead, London, England. Valve for internal-combustion engines. 1,467,742; Sept. 11.
Turner, Henry B., Suisun, Calif. Combined rear light and license-plate carrier. 1,467,404; Sept. 11.
Turner, Mack F., Ottawa, Ill. Type-casting apparatus. 1,467,405; Sept. 11.
Smith & Serrell. (See Smith, R. A., and Gray, assignors.)
Smith & Serrell. (See Smith, Robert A., assignor.)
Smith, David J., London, England, assignor, by mesne assignments, to Automotive Gas Producer Corporation. Gas producer. 1,467,955; Sept. 11.
Smith, George T., jr., Paducah, Ky. Laying composition shingles. 1,467,510; Sept. 11.
Smith, Harry F., and T. Cureton, assignors, by mesne assignments, to The Gas Research Company, Dayton, Ohio. Valve. 1,467,511; Sept. 11.
Smith, Herbert A., Bethlehem, Pa., assignor to Roller-Smith Company. Trap. 1,467,818; Sept. 11.
Smith, L. C., & Bros., Typewriter Company. (See Gabrielson, Carl, assignor.)
Smith, Robert A., Mahwah, assignor to Smith & Serrell, Elizabeth, N. J. Apparatus and process for fitting driving keys. 1,467,399; Sept. 11.
Smith, Robert A., Mahwah, N. J., and E. B. Gray, Troy, Pa., assignors to Smith & Serrell, Elizabeth, N. J. Driving key. 1,467,400; Sept. 11.
Smith, Rudyard I., Washington, D. C. Preserving wood. 1,467,819; Sept. 11.
Snow Manufacturing Company. (See Livingston, Frank S., assignor.)
Snow, Philip C., Swarthmore, assignor to Globe Ticket Company, Philadelphia, Pa. Check-notching device. 1,467,910; Sept. 11.
Snyder, Frederick T., Oak Park, Ill. Generating gas. 1,467,957; Sept. 11.
Societe des Moteurs Salmson, (Systeme Canton-Unne). (See Postel-Vinay, Pierre, J. R., assignor.)
Society Meyrel Freres. (See Seng, Camille, assignor.)
Society of Chemical Industry in Basle. (See De Mountmollin, Guillaume, assignor.)
Southcombe, James E., Birkenhead, and H. M. Wells, London, England. Lubricating oil and the manufacture thereof. 1,467,695; Sept. 11.
Southern Manganese Corporation. (See Klugh, Bethune G., assignor.)
Sperry, Herbert B., Chicago, Ill., assignor to International Harvester Company. Bundle carrier. 1,467,401; Sept. 11.
Stahl, Karl, assignor to the Firm Luftschiffbau Zeppelin Gesellschaft mit beschränkter Haftung, Friedrichshafen, Germany. Releasing device. 1,467,885; Sept. 11.
Starke, Eric A., Berkeley, Calif. Apparatus for saving gas and oil from producing wells. 1,467,512; Sept. 11.
Stark, Jacob J., Brooklyn, N. Y. Dental attachment. 1,467,956; Sept. 11.
Starr, George W., and W. D. Paynter, Grass Valley, Calif. Mining machine. 1,467,513; Sept. 11.
Stephens, Arthur E. (See Stephens, Richard, R. J., and A. E.)
Stephens, Richard J. (See Stephens, Richard, R. J., and A. E.)
Stephens, Richard, R. J., and A. E., Upper Norwood, London, England. Drum brake. 1,467,514; Sept. 11.
Tuttle, Wallace W., Detroit, Mich. Expanding arbor. 1,467,821; Sept. 11.
Twiford, William R., Miami, Fla. Wind motor. 1,467,962; Sept. 11.
Underwood Computing Machine Company. (See Conard, Frederick U., assignor.)
Underwood Typewriter Company. (See Kurowski, Alfred G. F., assignor.)
Undy, Charles, assignor to Valley Forge Cutlery Company, Newark, N. J. Tool. 1,467,661; Sept. 11.
Union Carbide & Carbon Research Laboratories. (See Benner, Raymond C., assignor.)
Union Switch & Signal Company, The. (See Wallace, Herbert A., assignor.)
United Shoe Machinery Corporation. (See Ballard, Milton H., assignor.)
United Shoe Machinery Corporation. (See Leveque, Bernard T., assignor.)
United Shoe Machinery Company. (See Meyer, William C., assignor.)
United Shoe Machinery Corporation. (See Tibbetts, Charles B., assignor.)
United States Radiator Corporation. (See McIntire, James F., assignor.)
Universal Telescope Mute Company. (See D'Alfonso, William R., assignor.)
Vajk, Joseph, Budapest, Hungary, assignor to C. A. Filkorn, McKeesport, Pa. Gas making. 1,467,460; Sept. 11.
Valley Forge Cutlery Company. (See Undy, Charles, assignor.)
Van Aalst, Willem, Mortsel, near Antwerp, Belgium. Concrete-mold suspension device. 1,467,662; Sept. 11.
Van Der Pyl, Edward, Worcester, Mass., assignor to Aerobelle Company. Pneumatic shock absorber. 1,467,986; Sept. 11.
Van Der Pyl, Edward, Worcester, Mass., assignor to Aerobelle Company. Shock absorber. 1,467,987; Sept. 11.
Vanicek, Otto V., Temple, Tex. Valve-spring compressor and lifter. 1,467,628; Sept. 11.
Vegetable Oil Securities Company. (See Schuck, Walter P., assignor.)

Vincent, Jesse G., assignor to Packard Motor Car Company, Detroit, Mich. Hydrocarbon motor. 1,467,963; Sept. 11.
Vinding, Povl, and R. J. Jensen, Copenhagen, Denmark. Wing for windmills and wind motors. 1,467,699; Sept. 11.
Vogel, Charles. (See Watts, V., and Vogel.)
Vogel, Hans E. R., assignor to the Firm Oelwerke Stern-Sonneborn A. G., Hamburg, Germany. Capillary viscosimeter. 1,467,461; Sept. 11.
Von Cordelli, Anton F., Moste, Yugoslavia. Refrigerator. 1,467,462; Sept 11.
Von Hornbostel, Erich M., Steglitz, near Berlin, and M. Wertheimer, Berlin, Germany. Method and means for determining the direction of sounds. 1,467,545; Sept. 11.
Vorel, Frank, Hanover, Mont. Floor-cleaning apparatus. 1,467,629; Sept. 11.
Vulcan Iron Works. (See Moore, Roscoe, assignor.)
V. V. Fittings Company. (See Burns, James F., assignor.)
Wagstaff, Andrew L., assignor, by mesne assignments, to Wagstaff Box Mfg. Co., Kansas City, Mo. Hinge. 1,467,344; Sept. 11.
Wagstaff Box Mfg. Co. (See Wagstaff, Andrew L., assignor.)
Walker, Joseph L., assignor to K-D Barrel & Hamper Co., Baton Rouge, La. Tubular saw. 1,467,406; Sept. 11.
Wallace, Herbert A., Pittsburgh, assignor to The Union Switch & Signal Company, Swissvale, Pa. Sectional instrument case. 1,467,345; Sept. 11.
Warner, Selden G., assignor to New Jersey Patent Company, West Orange, N. J. Lantern. 1,467,346; Sept. 11.
Warth, Nathaniel G., Gallipolis, Ohio. Pneumatic tire. 1,467,665; Sept. 11.
Washburn Company, The. (See O'Rourke, Thomas J., assignor.)
Watts, Verner, and C. Vogel, Massillon, Ohio. Grapefruit bowl. 1,467,888; Sept. 11.
Watrous, Earl G., Chicago, Ill. Waste or outlet valve. 1,467,965; Sept. 11.
Watzman, Harry, Washington, D. C. Means for replenishing storage batteries with water. 1,467,966; Sept. 11.
Weber, Ella M., et al. (See Todd, Charles H., assignor.)
Weinberger, Benjamin. (See Rivett, A. W., and Weinberger.)
Weiss, Howard F., assignor to C. F. Burgess Laborartories, Madison, Wis. Roofing material. 1,467,594; Sept. 11.
Welch, Jack T., assignor to James Heddon's Sons, Dowagiac, Mich. Fishing reel. 1,467,407; Sept. 11.
Welch, John M., Des Moines, Iowa. Pneumatic swimming belt and making same. 1,467,463; Sept. 11.
Wells, Henry M. (See Southcombe, J. E., and Wells.)
Welte, Edwin, Freiburg, Germany, assignor, by mesne assignments, to Welte-Mignon Corporation, New York, N. Y. Pneumatically-controlled regulator for musical instruments. 1,467,889; Sept. 11.
Welte-Mignon Corporation. (See Welte, Edwin, assignor.)
Wendel, Elof W., Hinsdale, Ill. Ladder rest or support. 1,467,597; Sept. 11.
Wertheimer, Max. (See Hornbostel, E. M., and Wertheimer.)
Western Electric Company. (See Schumacher, Earle E., assignor.)
Western Electric Company Incorporated. (See Wold, Peter L., assignor.)
Wesson, Paul B., assignor to Hampden Brass Company, Springfield, Mass. Safety faucet. 1,467,464; Sept. 11.
Westinghouse Electric and Manufacturing Company. (See Alden, Bern E., assignor.)
Westinghouse Electric and Manufacturing Company. (See Dann, W. M., and Fortescue, assignors.)
Westinghouse Electric & Manufacturing Company. (See Demmler, Paul E., assignor.)
Westinghouse Electric and Manufacturing Company. (See Flanders, Warren B., assignor.)
Westinghouse Electric & Manufacturing Company. (See Frederick, Louis T., assignor.)
Westinghouse Electric & Manufacturing Company. (See Pilling, N. B., and Bedworth, assignors.)
Westinghouse Union Battery Company. (See Cook, Thomas R., assignor.)
Westling, Arvid M., Boston, Mass. Process and apparatus for applying transfers to convex, concave, and other articles. 1,467,595; Sept. 11.
Whitaker-Glessner Company. (See Gibbons, Nathan A., assignor.)
White, Charles S., Coupeville, Wash. Filter. 1,467,663; Sept. 11.
White, Herbert E., assignor to Truscon Steel Company, Youngstown, Ohio. Sand-retaining bar or plate for foundry flasks. 1,467,347; Sept. 11.
Whiting & Davis Company. (See Rammel, Thomas H., assignor.)
Wiedmann, Martin H., Newark, N. J. Separable fastener and lock. 1,467,465; Sept. 11.
Wiest, Jonas H., Elyria, Ohio. General-utility traction machine. 1,467,822; Sept. 11.
Wilke, Herman P., Brawley, Calif. Piston ring. 1,467,408; Sept. 11.
Wilkinson, Stanley W., Waukegan, assignor, by mesne assignments, to The Creamery Package Mfg. Company, Chicago, Ill. Automatic case feeder for bottle washers, etc. 1,467,409; Sept. 11.
Wilkie, James B., Liverpool, and H. Neville, Purley, England. Mounting of electrodes or electric discharge points in the hulls of ships and submerged structures. 1,467,890; Sept. 11.
Willard Storage Battery Company. (See Norris, Paul E., assignor.)
Willard, Theodore A., East Cleveland, Ohio. Photographing apparatus. 1,467,466; Sept. 11.
Willcox & Gibbs Sewing Machine Co. (See Merritt, Arthur A., assignor.)
Williams, Jesse M. (See Bubb, Lewis W., assignor.)
Williams, William E., Chicago, Ill. Demountable-rim fastening. 1,467,410; Sept. 11.
Williams, William E., Wilmette, Ill. Running-board-supporting bracket or saddle for the roofs of box cars. 1,467,743; Sept. 11.
Wilmans, Lloyd I., Dallas, Tex. Liner for typographical casting machines. 1,467,967; Sept. 11.
Winkler, Joseph F., Philadelphia, Pa. Refrigerating system. 1,467,968; Sept. 11.
Winkler, William, and A. H. Miller, Brooklyn, N. Y. Caster. 1,467,744; Sept. 11.
Wilson, Frank N., St. Louis, Mo. Loader. 1,467,700; Sept. 11.
Wilson-Jones Loose Leaf Company. (See Newman, George W., assignor.)
Wire Products Corporation. (See Barnes, John S., assignor.)
Wirrer, Gottfried. (See Josephs, L. C., jr., and Wirrer.)
Witten, Arthur P., Akron, Ohio. Toy balloon. 1,467,411; Sept. 11.
Wold, Peter L., East Orange, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y. High-frequency modulation device. 1,467,596; Sept. 11.
Woolson, Lionel M., Dayton, Ohio, assignor, by mesne assignments, to Eclipse Machine Company, New York, N. Y. Engine-starting apparatus. 1,467,823; Sept. 11.
Woolson, Lionel M., assignor to Packard Motor Car Company, Detroit, Mich. Hydrocarbon motor. 1,467,970; Sept. 11.
Wood, Frederick P., assignor to American Can Company, New York, N. Y. Moistureproof fiber container. 1,467,969; Sept. 11.
Wye, Tom, Inc. (See Tucker, Henry L., assignor.)
Wyler, Max, assignor to British Dyestuffs Corporation, Limited, Blackley, Manchester, England. Manufacture of phenyl glycine compounds. 1,467,598; Sept. 11.
Wyman, Roy G., Brooklyn, N. Y. Device for use in mending films. 1,467,971; Sept. 11.
Yonge, Laurie W., Jacksonville, Fla. Locking device for automobile starters. 1,467,664; Sept. 11.
Young, George R., Huntington, assignor, by mesne assignments, to Young Sand and Gravel Corporation, New York, N. Y. Apparatus for separatig sand. 1,467,348; Sept. 11.
Young Sand and Gravel Corporation. (See Young, George R., assignor.)
Zederbohm, Willy, Berlin-Charlottenburg, assignor to Siemens-Schuckertwerke Gesellschaft mit beschränkter Haftung, Berlin, Germany. Starting electric motors. 1,467,745; Sept. 11.
Zeiss, Carl. (See Merté, Willy, assignor.)
Zimmerman, Gustav B. A., Bellmore, N. Y. Automobile signal. 1,467,349; Sept. 11.
Zobanaky, George W. (See Nejlan, T. J., and Zobanaky.)
Zolman, William E., and A. W. Bradshaw, Farmington, Mo. Boid-faced-slug-casting attachment for linotype machines. 1,467,412; Sept. 11.
Zuck, Oral C., Okmulgee, Okla. Cable clamp for well-drilling rigs. 1,467,666; Sept. 11.

ALPHABETICAL LIST OF INVENTIONS

FOR WHICH

PATENTS WERE ISSUED ON THE 11TH DAY OF SEPTEMBER, 1923.

NOTE.—Arranged in accordance with the first significant character or word of the name (in accordance with city and telephone directory practice). **Includes patents, reissues, and designs.**

Advertising device. B. E. Jarvis. 1,467,937; Sept. 11.
Agricultural implement. L. L. Dubois. 1,467,894; Sept. 11.
Agricultural implements, Shifting strap for. S. H. Phelps. 1,467,685; Sept. 11.
Air chamber, Nonpuncturing. H. Nicolardot. 1,467,557; Sept. 11.
Air propeller. C. Dornier. 1,467,537; Sept. 11.
Aircraft of the helicopter type, System of propellers with differential twist between the propellers for. R. P. Pescara. 1,467,648; Sept. 11.
Aluminous abrasive and making the same. H. A. Richmond and R. Macdonald, jr. 1,467,590; Sept. 11.
Amusement apparatus. A. Hulsmann. 1,467,934; Sept. 11.
Amusement device. H. and M. Stoehrer. 1,467,959; Sept. 11.
Animal trap. R. W. Booth. 1,467,832; Sept. 11.
Antiskid chain. R. N. Doerres and W. W. McGee. 1,467,927; Sept. 11.
Antiskid device. H. C. Graybill. 1,467,579; Sept. 11.
Antiskidding device. H. R. Patriarche. 1,467,647; Sept. 11.
Arbor, Expanding. W. W. Tuttle. 1,467,821; Sept. 11.
Arch support. J. Abramowitz. 1,467,630; Sept. 11.
Astigmatic and visual acuity apparatus. W. P. Reaves. 1,467,500; Sept. 11.
Automatic signal. R. Landini. 1,467,437; Sept. 11.
Automobile brace bar and buffer. G. A. Lyon. 1,467,382; Sept. 11.
Automobile brace-bar buffer. G. A. Lyon. 1,467,389; Sept. 11.
Automobile brake. A. Hubalek. 1,467,854; Sept. 11.
Automobile buffer. G. A. Lyon. 1,467,388; Sept. 11.
Automobile buffer and attachment therefor. G. A. Lyon. 1,467,390; Sept. 11.
Automobile buffer, Brace-bar. G. A. Lyon. 1,467,384; Sept. 11.
Automobile bumper. U. Ilich. 1,467,640; Sept. 11.
Automobile hood-latching device. W. R. Halliwell. 1,467,983; Sept. 11.
Automobile lock. H. P. Childress. 1,467,353; Sept. 11.
Automobile lock. S. B. Clayton. 1,467,530; Sept. 11.
Automobile running board. T. J. Boyan and F. L. Eklund. 1,467,471; Sept. 11.
Automobile seat. A. L. McPherson. 1,467,645; Sept. 11.
Automobile signal. C. L. Hyde. 1,467,580; Sept. 11.
Automobile signal. F. A. Kempe. 1,467,328; Sept. 11.
Automobile signal. G. B. A. Zimmerman. 1,467,349; Sept. 11.
Automobile starters, Locking device for. L. W. Yonge. 1,467,664; Sept. 11.
Automobile vehicles, Trailer for. J. H. Labourdette. 1,467,581; Sept. 11.
Automobile wheel holding and truing device. G. H. Hartman. 1,467,618; Sept. 11.
Automobiles, Illuminated license tag and signal for. W. R. Garner. 1,467,371; Sept. 11.
Automobiles, Shade for windshields of. S. Meadows. 1,467,766; Sept. 11.
Badge-pin clasp. M. Folkman. 1,467,368; Sept. 11.
Bag: *See*—
Hand bag.
Bag clasp. T. H. Rammel. 1,467,589; Sept. 11.
Bait, Artificial. C. W. Borg. 1,467,750; Sept. 11.
Barrels, Bung for. O. Thomas. 1,467,698; Sept. 11.
Basket-cover fasteners. G. M. Barker. 1,467,891; Sept. 11.
Battery: *See*—
Storage battery.
Battery-cell container. A. I. Folsom. 1,467,577; Sept. 11.
Battery connection. J. F. Prax. 1,467,651; Sept. 11.
Battery plates, Making storage-. R. C. Benner. 1,467,749; Sept. 11.
Batteries with water, Means for replenishing storage. H. Waxman. 1,467,966; Sept. 11.
Bead threading or display box. W. W. Bolls. 1,467,352; Sept. 11.
Bearing. C. L. Kennedy. 1,467,673; Sept. 11.
Bearing, Ball. B. M. W. Hanson. 1,467,378; Sept. 11.
Bearings, Apparatus for lubricating ball. H. R. Reynolds. 1,467,686; Sept. 11.
Beating apparatus. S. J. Jembrzycki. 1,467,989; Sept. 11.
Bed, Automobile. C. G. Keller. 1,467,856; Sept. 11.
Bed lock. P. Cobb. 1,467,606; Sept. 11.
Bed rests, Mattress-holding attachment for. J. P. Freemon. 1,467,369; Sept. 11.

Beet topper. A. Bailey. 1,467,415; Sept. 11.
Beet topper. S. L. Pond and G. E. Simkins. 1,467,650; Sept. 11.
Belt coupling. A. H. De Voe. 1,467,713; Sept. 11.
Belts, Distributing system for feeding hot liquid material to traveling. J. L. Mauch. 1,467,867; Sept. 11.
Binder, Transfer. G. W. Newman. 1,467,808; Sept. 11.
Binder and making same. H. H. Hurt. 1,467,321; Sept. 11.
Binders, Tractor hitch for corn. C. A. Hagadone. 1,467,375; Sept. 11.
Block: *See*—
Building block.
Board: *See*—
Automobile running board.
Boat, Fishing. N. A. Lybeck. 1,467,763; Sept. 11.
Boilers, Feed head for steam. W. Hildebrand. 1,467,428; Sept. 11.
Boilers, Stay-bolt structure for. J. R. Flannery and E. I. Dodds. 1,467,366; Sept. 11.
Bolt and nut lock. D. E. Ahlers. 1,467,824; Sept. 11.
Books, Ruler for loose-leaf. J. L. Crook, jr. 1,467,534; Sept. 11.
Bottle carrier and opener, Milk-. M. J. Dvorshak. 1,467,613; Sept. 11.
Bottle washers, etc., Automatic case feeder for. S. W. Wilkinson. 1,467,409; Sept. 11.
Box: *See*—
Folding box. Stuffing box.
Nest box. Vanity box.
Bowl, Grapefruit. V. Watts and C. Vogel. 1,467,888; Sept. 11.
Bracelet, Flexible. A. F. Blanchard. 1,467,468; Sept. 11.
Braiding machines, Stop motion for. F. W. Mansfield. 1,467,551; Sept. 11.
Brake: *See*—
Automobile brake. Wagon brake.
Drum brake.
Brakes, Spring washer for coaster. A. J. Mottlau. 1,467,873; Sept. 11.
Break switch, Quick-. J. F. Burns. 1,467,527; Sept. 11.
Broaching machine. O. H. Banker. 1,467,525; Sept. 11.
Brush. O. A. Runkle. 1,467,337; Sept. 11.
Brush-making machine. C. E. Fisher. 1,467,364; Sept. 11.
Brush-making machine, Staple-driving mechanism for. C. E. Fisher. 1,467,365; Sept. 11.
Buckle, Belt. F. E. Becker. 1,467,703; Sept. 11.
Buffer, Brace bar. G. A. Lyon. 1,467,385; Sept. 11.
Buffer attachment, Rear. G. A. Lyon. 1,467,387; Sept. 11.
Buffer, Doubled attaching-member. G. A. Lyon. 1,467,383; Sept. 11.
Buffer, Resilient front. G. A. Lyon. 1,467,386; Sept. 11.
Buffer, Revoluble. E. J. Silvius. 1,467,456; Sept. 11.
Building block. G. Ey. 1,467,929; Sept. 11.
Bull-leading staff. R. F. Rasmussen. 1,467,452; Sept. 11.
Bundle carrier. H. B. Sperry. 1,467,401; Sept. 11.
Bung for metallic receptacles. G. F. Behringer. 1,467,916; Sept. 11.
Burner: *See*—
Gas burner. Oil burner.
Burner. J. H. Hunt. 1,467,935; Sept. 11.
Bus body. D. J. Hall. 1,467,376; Sept. 11.
Button. J. O. Roy. 1,467,335; Sept. 11.
Button and necktie-guiding device, Combined collar A. M. Goldstein. 1,467,788; Sept. 11.
Butter-cutting machine. J. L. Paisolli. 1,467,979; Sept. 11.
Button fastener. B. B. Devlin. 1,467,572; Sept. 11.
Camera case. A. Nagel. 1,467,556; Sept. 11.
Camera-case attachment. M. M. Mix. 1,467,906; Sept. 11.
Cameras, Roll film for. W. D. Hansen. 1,467,543; Sept. 11.
Can-closing machines, Timing device for filled-. E. G. Mason. 1,467,442; Sept. 11.
Can punch. E. A. Conway. 1,467,608; Sept. 11.
Can-top vent. J. F. Collins. 1,467,706; Sept. 11.
Candy, Making. L. C. Blunt. 1,467,351; Sept. 11.
Canned goods, Machine for treating. A. R. Thompson. 1,467,561; Sept. 11.
Cans containing condensed milk, Shaking apparatus for. R. Rafn. 1,467,909; Sept. 11.
Cape, Beach. A. R. and L. P. Entrikin. 1,467,718; Sept. 11.
Car bolster. F. W. Chriswell. 1,467,775; Sept. 11.

Car brake system, Logging-. H. C. Jarvis 1,467,795; Sept. 11.
Car coupler. R. V. Tucker. 1,467,459; Sept. 11.
Car seat. E. C. Lang. 1,467,582; Sept. 11.
Car truck, Six-wheel. H. M. Pflager. 1,467,683–4; Sept. 11.
Cars, Clip for ropeway. Y. Tamamura. 1,467,739; Sept. 11.
Cars, Intermediate wind screen for motor. R. Colombino. 1,467,531; Sept. 11.
Cars, Recording device for railway. J. H. Ladd. 1,467,643; Sept. 11.
Cars, Running-board-supporting bracket or saddle for the roofs of box. W. E. Williams. 1,467,743; Sept. 11.
Card, Collapsible display. J. H. Nash. 1,467,624; Sept. 11.
Card-index apparatus. R. J. Davies. 1,467,357; Sept. 11.
Cardcase. W. G. H. Cook. 1,467,838; Sept. 11.
Carriage attachment, Baby-. A. La Plant. 1,467,811; Sept. 11.
Carrier: *See*—
Bundle carrier.
Case: *See*—
Card case. Display case.
Camera case. Instrument case.
Cigarette case.
Caster. W. Wingler and A. H. Miller. 1,467,744; Sept. 11.
Casting machine. P. E. Norris. 1,467,490; Sept. 11.
Casting machines, Cooling device for. J. L. Mauch. 1,467,902; Sept. 11.
Casting machines, Liner for typographical. L. I. Wilmans. 1,467,967; Sept. 11.
Catalysts, Making metal. W. P. Schuck. 1,467,397; Sept. 11.
Cement, Composition of matter for use as a. H. A. Cook. 1,467,356; Sept. 11.
Chains of all kinds and collars, Safety clasp for. L. J. A. Bertrand. 1,467,917; Sept. 11.
Chair: *See*—
Rail chair.
Check-notching device. P. C. Snow. 1,467,910; Sept. 11.
Cigar machines, Wrapper carrier for. R. E. Rundell. 1,467,592; Sept. 11.
Cigarette case. E. Thimgren. 1,467,627; Sept. 11.
Cinematographs, Film-feeding mechanism for. H. Seuffert. 1,467,593; Sept. 11.
Circuit-breaker-indicating device. J. H. Hunt. 1,467,974; Sept. 11.
Clamp: *See*—
Column clamp.
Clamp. H. J. Cooper. 1,467,708; Sept. 11.
Clasp: *See*—
Bag clasp. Badge-pin clasp.
Clasp. C. G. King. 1,467,483; Sept. 11.
Cleaner: *See*—
Dentist's drill cleaner.
Cleaver and tenderer, Meat. O. H. Pershing. 1,467,949; Sept. 11.
Clip: *See*—
Concrete tie clip. Paper clip.
Clip. J. E. Grace. 1,467,931; Sept. 11.
Closure. J. W. Cripe. 1,467,609; Sept. 11.
Clothes hook. S. P. Mistrot. 1,467,553; Sept. 11.
Clutch-controlling means. C. A. Peters. 1,467,681; Sept. 11.
Coal, System and apparatus for conveying. K. Davis. 1,467,845; Sept. 11.
Coating. E. E. Schumacher. 1,467,398; Sept. 11.
Coating apparatus. C. B. Tibbetts. 1,467,343; Sept. 11.
Cock, Pet. J. F. Graham. 1,467,932; Sept. 11.
Cocoa butter and recovering same. T. J. Neilan and G. W. Zobanaky. 1,467,587; Sept. 11.
Coffee, Automatic machine for the rapid or direct preparation of. C. Di Paola. 1,467,778; Sept. 11.
Coil, Current-limiting reactance. V. E. Alden. 1,467,771; Sept. 11.
Coke, Cooling. H. Schwenke. 1,467,506; Sept. 11.
Column clamp. L. Lampert. 1,467,860; Sept. 11.
Column clamp. L. Lampert. 1,467,943; Sept. 11.
Commutator. C. A. Adams. 1,467,467; Sept. 11.
Compressor. B. V. Nordberg. 1,467,489; Sept. 11.
Compressors, Cooling mechanism for. H. W. Rottel. 1,467,503; Sept. 11.
Concrete blocks, Mold for. C. & D. Tamplin. 1,467,657; Sept. 11.
Concrete bulkhead or retaining wall. F. G. Borg. 1,467,470; Sept. 11.
Concrete construction, Collapsible core for. F. J. Homan. 1,467,760; Sept. 11.
Concrete-mold suspension device. W. van Aalst. 1,467,662; Sept. 11.
Concrete storage plant, refrigerator, and the like. S. Lake. 1,467,676; Sept. 11.
Concrete tie clip. E. D. Tubbs. 1,467,741; Sept. 11.
Condenser and making the same. P. E. Demmler. 1,467,776–7; Sept. 11.
Container. J. H. Killion. 1,467,675; Sept. 11.
Container. J. C. King and W. S. Nish. 1,467,762; Sept. 11.
Container. A. Schoenbrun. 1,467,768; Sept. 11.
Container, Combination. M. Blumenthal. 1,467,632; Sept. 11.
Containers, Closure for. M. Gianini. 1,467,578; Sept. 11.
Controlling device, Automatic. A. C. Beckwith. 1,467,418; Sept. 11.
Cooking and cooling apparatus. A. R. Thompson. 1,467,960; Sept. 11.
Cooking vessel. G. B. Culpepper. 1,467,710; Sept. 11.
Cooler: *See*—
Water cooler.
Core, Collapsible. F. H. Grove. 1,467,315; Sept. 11.
Corn popper. B. E. Page. 1,467,448; Sept. 11.
Corrosion and heat resisting apparatus. P. A. E. Armstrong. 1,467,563; Sept. 11.
Coupling: *See*—
Belt coupling. Pipe coupling.
Coupling. E. G. Johnson. 1,467,730; Sept. 11.
Coupling pins, Operating device for. J. J. Acker. 1,467,295; Sept. 11.
Cover. A. H. Clark. 1,467,529; Sept. 11.
Crank shafts, Mechanism for grinding. A. Thomas. 1,467,402; Sept. 11.
Cutter: *See*—
Reed cutter.
Cutting device. P. Kenned- 1,467,434; Sept. 11.
Dash-control device. A. R. Cooper. 1,467,309; Sept. 11.
Dental attachment. J. J. Stark. 1,467,956; Sept. 11.
Dental film holder. D. L. Hall. 1,467,850–1; Sept. 11.
Dentifrice. O. F. Schmid. 1,467,455; Sept. 11.
Dentist's drill cleaner. W. M. Muchow. 1,467,874; Sept. 11.
Diarylsulphones, Manufacture of intermediate products and new dyestuffs derived from. G. de Montmollin. 1,467,711; Sept. 11.
Differential mechanism. F. W. Seeck. 1,467,560; Sept. 11.
Diffusing apparatus. W. C. Graham. 1,467,849; Sept. 11.
Disk, Clutch. T. J. Litle, jr. 1,467,732; Sept. 11.
Disks on shafts, Fastener for securing. J. T. Janette. 1,467,938; Sept 11.
Dispensing apparatus. J. G. Isenhour. 1,467,729; Sept. 11.
Display appliance. A. W. Bearce. 1,467,302; Sept. 11.
Display case. M. Meyberg. 1,467,805; Sept. 11.
Distribution, System of. W. A. Etherton. 1,467,361; Sept. 11.
Ditches, Machine for making. H. J. Bentson. 1,467,828; Sept. 11.
Door check and burglar alarm, Combined. W. T. Fairall. 1,467,363; Sept. 11.
Door-controlling means, Elevator-. R. W. Scott. 1,467,692; Sept. 11.
Door stop and holder. G. A. Englund. 1,467,782; Sept. 11.
Drags, Drawbar for. V. H. Mark. 1,467,865; Sept. 11.
Drill: *See*—
Hammer drill. Tubular drill.
Rock drill. Twist drill.
Drilling machine. J. W. Brown, jr. 1,467,526; Sept. 11.
Driving and stopping mechanism. B. T. Leveque. 1,467,584; Sept. 11.
Drum brake. R., R. J., and A. E. Stephens. 1,467,514; Sept. 11.
Drying and conditional materials, Method of and apparatus for. W. H. Carrier. 1,467,306; Sept. 11.
Electric bulbs, Safety lock for. J. W. Doward. 1,467,538; Sept. 11.
Electric-circuit-control apparatus. H. A. Benedict and E. M. Moller. 1,467,748; Sept. 11.
Electric heater. C. E. Barr. 1,467,667; Sept. 11.
Electric motors, Starting. W. Zederbohnn. 1,467,745; Sept. 11.
Electric transformer arrangement. F. E. Berry. 1,467,829; Sept. 11.
Electrically-controlled mechanism. M. J. Brierty. 1,467,704; Sept. 11.
Electrodynamic machine. A. N. Sammarone. 1,467,339; Sept. 11.
Electron-discharge device. W. J. Herdman. 1,467,318; Sept. 11.
Emblem holder. C. A. Bruch. 1,467,834; Sept. 11.
Engine: *See*—
Internal-combustion engine.
Engine. A. R. Carter. 1,467,528; Sept. 11.
Engine. J. D. MacLachlan. 1,467,734; Sept. 11.
Engine-controlling mechanism. F. C. Lindsey. 1,467,620; Sept. 11.
Engine-starter. V. Bendix. 1,467,602; Sept. 11.
Engine-starting apparatus. L. M. Woolson. 1,467,823; Sept. 11.
Engines and the like, Pressure indicator for internal-combustion. J. Okill. 1,467,558; Sept. 11.
Engines, Controlling internal-combustion. R. Riege. 1,467,333; Sept. 11.
Engines, Lubricating pump for. H. Hull. 1,467,619; Sept. 11.
Engines, Secondary air-supply means for internal-combustion. A. G. France. 1,467,617; Sept. 11.
Engines, Valve-actuating lever for internal-combustion. P. J. R. Postel-Vinay. 1,467,964; Sept. 11.
Envelope. O. Mautner. 1,467,803; Sept. 11.
Envelope. W. P. Noha. 1,467,393; Sept. 11.
Ether, Apparatus for the manufacture of. F. E. Lichtenthaeler. 1,467,583; Sept. 11.
Eyeglass attachment. B. Borja y Dizon. 1,467,358; Sept. 11.

Fabric: *See*—
Wire fabric.
Fabrics, Seam for. H. L. Tucker. 1,467,626; Sept. 11.
Fastener. F. J. Eagles and A. R. Fitzgerald. 1,467,928; Sept. 11.
Fastener and lock, Separable. M. H. Wiedmann. 1,467,465; Sept. 11.
Faucet. G. Pfleger. 1,467,450; Sept. 11.
Faucet, Safety. P. B. Wesson. 1,467,464; Sept. 11.
Feeder, Chicken. J. E. Kesterson. 1,467,329; Sept. 11.
Felly guard, Adjustable. W. Braun. 1,467,774; Sept. 11.
Ferromanganese, Melting. R. D. Jordan. 1,467,546; Sept. 11.
Filaments, threads, and films, Manufacture of artificial. C. W. Palmer and W. A. Dickie. 1,467,493; Sept. 11.
Filing device. W. M. Aydelotte. 1,467,294; Sept. 11.
Filing system, Follow-up. S. W. McKee. 1,467,644; Sept. 11.
Films, Device for use in mending. R. G. Wyman. 1,467,971; Sept. 11.
Filter. C. S. White. 1,467,663; Sept. 11.
Filter, Wave. H. W. Elsasser. 1,467,360; Sept. 11.
Fire-door binder. C. R. Rumbarger. 1,467,826; Sept. 11.
Fire extinguisher. W. J. Frisble. 1,467,477; Sept. 11.
Fire extinguisher. A. E. Kircher. 1,467,857; Sept. 11.
Fire extinguisher. A. B. Phister. 1,467,980; Sept. 11.
Fire-extinguishing apparatus, Foam-producing. J. R. Hamilton. 1,467,377; Sept. 11.
Fireplace. H. L. Day. 1,467,474; Sept. 11.
Fishing reel. J. T. Welch. 1,467,407; Sept. 11.
Flagstaff holder. H. F. Mahoney. 1,467,621; Sept. 11.
Flasks, Sand-retaining bar or plate for foundry. H. E. White. 1,467,347; Sept. 11.
Fluid meter. R. S. Blair. 1,467,565; Sept. 11.
Fluid-pressure brake mechanism. E. G. Shortt. 1,467,694; Sept. 11.
Fluid-pressure-controlling device, Automatic. A. C. Beckwith. 1,467,417; Sept. 11.
Fluid-pressure regulator. G. Fox. 1,467,721; Sept. 11.
Floor-cleaning apparatus. F. Vorel. 1,467,629; Sept. 11.
Flushing mat, Automatically-. A. P. Ritter. 1,467,814; Sept. 11.
Flushing mechanism. F. C. Rood. 1,467,454; Sept. 11.
Folding box. P. Harder. 1,467,724; Sept. 11.
Food machine. J. and H. Trust. 1,467,770; Sept. 11.
Food machine. J. and H. Trust. 1,467,820; Sept. 11.
Foot rest and chain kit. J. A. Skaggs. 1,467,884; Sept. 11.
Frame and making it. W. D. Gemmill. 1,467,787; Sept. 11.
Fruit and the like, Preserving. W. G. Allen. 1,467,746; Sept. 11.
Fruit and vegetable peeler. H. H. Libbing. 1,467,863; Sept. 11.
Frying machine. C. T. Schroyer. 1,467,396; Sept. 11.
Furnace: *See*—
Hydrogen furnace. Welding furnace.
Open-hearth furnace.
Furnace apparatus. L. B. Skinner. 1,467,509; Sept. 11.
Furnace bridge wall. W. W. Booth. 1,467,566; Sept. 11.
Furnace construction, Sectional. J. F. McIntire. 1,467,332; Sept. 11.
Furnace for the heat treatment of metals. L. C. Josephs, jr., and G. Wirrer. 1,467,669–70; Sept. 11.
Game, Miniature football. D. C. Atkins. 1,467,912; Sept. 11.
Games and other articles, Foldable receptacle for. M. C. Schwarz. 1,467,690; Sept. 11.
Garbage can and flytrap, Combined. C. A. Dunseth and H. Garrity. 1,467,895; Sept. 11.
Garment. M. E. Kinslow. 1,467,731; Sept. 11.
Garment. H. Karrett. 1,467,482; Sept. 11.
Garment hangers, Attachment for. A. C. Barker. 1,467,298; Sept. 11.
Gas burner. L. W. Bubb. 1,467,472; Sept. 11.
Gas, Generating. F. T. Snyder. 1,467,957; Sept. 11.
Gas heater. H. R. Humphrey. 1,467,429; Sept. 11.
Gas making. J. Vajk. 1,467,460; Sept. 11.
Gas and oil from producing wells, Apparatus for saving. E. A. Starke. 1,467,512; Sept. 11.
Gas producer. D. J. Smith. 1,467,955; Sept. 11.
Gauge: *See*—
Indicating gauge.
Gear shift. H. W. McMullin. 1,467,675; Sept. 11.
Gear, Transom draft H. M. Pflager. 1,467,682; Sept. 11.
Gearing mechanism. A. L. Stewart and E. Finsen. 1,467,655; Sept. 11.
Glycerin, Polymerizing. R. I. Bashford. 1,467,299; Sept. 11.
Golf club. H. E. Doer. 1,467,714; Sept. 11.
Golf club. W. Kiunear. 1,467,435; Sept. 11.
Goods, Apparatus for the mechanical handling of. L. Sabarros. 1,467,504; Sept. 11.
Governing and gland apparatus. W. B. Flanders. 1,467,575; Sept. 11.
Gramophone. T. Driscoll. 1,467,612; Sept. 11.
Grate. E. A. Barfield. 1,467,702; Sept. 11.
Grease cup. J. Owens. 1,467,646; Sept. 11.
Grid resistance. L. Satchwell. 1,467,952; Sept. 11.
Grinding machine. W. Taylor. 1,467,518; Sept. 11.
Gun and the manufacture thereof, Breech-loading sporting. B. Rose. 1,467,502; Sept. 11.
Gun, Lubricant. G. A. Pettit. 1,467,649; Sept. 11.
Hair comb. R. R. Cotton. 1,467,533; Sept. 11.
Hair net. C. R. Pieper. 1,467,559; Sept. 11.
Hair waver. L. Radcliffe. 1,467,498; Sept. 11.
Hammer drill. E. P. Jones. 1,467,433; Sept. 11.
Hammer, Electric. S. Lake. 1,467,677; Sept. 11.
Hand bag. I. C. Blumenthal. 1,467,919; Sept. 11.
Hanger: *See*—
Skirt hanger.
Harvester. C. A. Hagadone. 1,467,374; Sept. 11.
Hay rake and loader. J. H. Culliton. 1,467,893; Sept. 11.
Hay sweep. C. Howard. 1,467,727; Sept. 11.
Head, False. L. W. Meyers and H. F. Demke. 1,467,445; Sept. 11.
Headed articles in place, Means for securing. J. C. Dawson. 1,467,781; Sept. 11.
Headlight deflector. L. F. Geils. 1,467,372; Sept. 11.
Headlight, Vehicle. H. R. Davies. 1,467,423; Sept. 11.
Heater: *See*—
Electric heater. Water heater.
Gas heater.
Heating element, Electrical. P. A. E. Armstrong. 1,467,562; Sept. 11.
Heel, Pneumatic composite. J. E. Price. 1,467,875; Sept. 11.
Heels, Device for attaching cushion. W. L. Laurence. 1,467,801; Sept. 11.
Hide-working machine. A. A. Hutchinson. 1,467,728; Sept. 11.
High-frequency modulation device. P. I. Wold. 1,467,596; Sept. 11.
High-temperature resistor material. N. B. Pilling and R. E. Bedworth. 1,467,810; Sept. 11.
Highway-crossing protection. H. Bezer. 1,467,303; Sept. 11.
Highway signal. W. V. Bergen and A. C. Shute. 1,467,892; Sept. 11.
Hinge. J. Farver. 1,467,476; Sept. 11.
Hinge. A. L. Wagstaff. 1,467,344; Sept. 11.
Hinge-lock clevis. L. H. Damm. 1,467,844; Sept. 11.
Hinge, Spectacle. F. A. Morris. 1,467,946; Sept. 11.
Hod, Mortar. N. A. Gibbons. 1,467,314; Sept. 11.
Hog shackler. S. Chazen and C. J. Madsen. 1,467,605; Sept. 11.
Hook: *See*—
Clothes hook.
Horn weight. W. C. Tagert. 1,467,769; Sept. 11.
Horological instrument. E. R. Deering. 1,467,926; Sept. 11.
Horse-collar framework, forming a tube, Metal. P. Clavier. 1,467,568; Sept. 11.
Hydrocarbon materials, Producing. D. T. Day. 1,467,758; Sept. 11.
Hydrocarbon motor. L. M. Woolson. 1,467,970; Sept. 11.
Hydrogen detector. M. Arendt and E. V. Brown. 1,467,911; Sept. 11.
Hydrogenation furnace. T. Midgley, jr. 1,467,905; Sept. 11.
Hydrocarbon motor. J. G. Vincent. 1,467,963; Sept. 11.
Ice-cream cones, Apparatus for coating. M. E. Buhse. 1,467,835; Sept. 11.
Incubator. E. A. Swihart. 1,467,886; Sept. 11.
Identification method and means. M. Tibbetts. 1,467,961; Sept. 11.
Indexing mechanism. C. H. Schurr. 1,467,985; Sept. 11.
Indicating gauge. E. G. Strong. 1,467,341; Sept. 11.
Indicating mechanism. C. Fulton. 1,467,847; Sept. 11.
Indicator: *See*—
Inspection indicator. Liquid-level indicator.
Induction coil. J. H. Hunt and W. A. Chryst. 1,467,973; Sept. 11.
Insect catcher. L. Patton. 1,467,494–5; Sept. 11.
Inspection indicator. J. D. Elsom. 1,467,716; Sept. 11.
Instrument case, Sectional. H. A. Wallace. 1,467,345; Sept. 11.
Interlocking device. R. Moore. 1,467,554; Sept. 11.
Internal-combustion engine. C. W. Philip. 1,467,497; Sept. 11.
Jack: *See*—
Shoe jack.
Jack. J. A. Kimball. 1,467,899; Sept. 11.
Joint: *See*—
Railway-rail joint. Universal joint.
Key, Driving. R. A. Smith and E. B. Gray. 1,467,400; Sept. 11.
Keys, Apparatus and process for fitting driving. R. A. Smith. 1,467,399; Sept. 11.
Kneading machine, Automatic. L. B. Donkers. 1,467,715; Sept. 11.
Knife, Corn-fodder. F. Cabalka. 1,467,836; Sept. 11.
Knitting machines, Web-holder mechanism for. R. W. Scott. 1,467,691; Sept. 11.
Knockdown table. W. Schwaegler. 1,467,505; Sept. 11.
Ladder rest or support. E. W. Wendel. 1,467,597; Sept. 11.
Lamp shade. A. Scherer. 1,467,689; Sept. 11.
Lamp wrench. L. F. Despres. 1,467,535; Sept. 11.
Lantern. S. G. Warner. 1,467,346; Sept. 11.
Lapping machine. C. E. T. Schribner. 1,467,693; Sept. 11.
Lapping machine. E. A. Suverkrop. Re15,684; Sept. 11.
Lens-blocking mechanism. G. A. and H. Clement. 1,467,307; Sept. 11.
Lenses, Grinding one-piece bifocal. G. A. and H. Clement. 1,467,308; Sept. 11.

Level-indicating arrangement. R. Heinold. 1,467,853; Sept. 11.
Lifter: *See*—
Package lifter. Valve lifter.
Light and license-plate carrier, Combined rear. H. B. Turner. 1,467,404; Sept. 11.
Lighter, Automatic. F. Bisson. 1,467,603; Sept. 11.
Lightning rod. M. Creighton. 1,467,922; Sept. 11.
Line tightener. C. Breer. 1,467,420; Sept. 11.
Linotype machines, Bold-faced-slug-casting attachment for. W. E. Zolman and A. W. Bradshaw. 1,467,412; Sept. 11.
Liquid-feeding device. J. C. Coulombe. 1,467,633; Sept. 11.
Liquid fuel, Vaporizer for. J. A. La Rue. 1,467,800; Sept. 11.
Liquid-level indicator. W. M. Lawrence. 1,467,548; Sept. 11.
Loader. F. N. Wilson. 1,467,700; Sept. 11.
Lock: *See*—
Automobile lock. Turnbuckle lock.
Bed lock. Window lock.
Bolt and nut lock.
Machine element. C. F. Pearson. 1,467,449; Sept. 11.
Mail-box support. C. Cook. 1,467,607; Sept. 11.
Marker, Grave. J. M. McComas. 1,467,391; Sept. 11.
Measuring and dispensing apparatus, Liquid. F. W. Delanoy. 1,467,425; Sept. 11.
Measuring instrument. G. A. Toomey. 1,467,403; Sept. 11.
Metal parts, Uniting. H. S. Holmes. 1,467,792; Sept. 11.
Metaldehyde, Manufacture of. E. Lüscher and T. Lichtenhahn. 1,467,733; Sept. 11.
Meter: *See*—
Fluid meter.
Mill: *See*—
Rolling mill.
Mining machine. J. M. London. 1,467,864; Sept. 11.
Mining machine. G. W. Starr and W. D. Paynter. 1,467,513; Sept. 11.
Mirror. R. A. Abbott. 1,467,350; Sept. 11.
Moistureproof fiber container. F. P. Wood. 1,467,969; Sept. 11.
Mop. C. Jumonville. 1,467,324; Sept. 11.
Motor: *See*—
Hydrocarbon motor. Wind motor.
Water motor.
Motor driving, steering, and reversing mechanism, Outboard-. J. R. Alexander. 1,467,521; Sept. 11.
Motor for small craft, Outboard. L. J. Johnson. 1,467,641; Sept. 11.
Motor, pump, and the like, Rotary. F. C. T. Colebrook. 1,467,837; Sept. 11.
Musical instruments, Pneumatically-controlled regulator for. E. Welte. 1,467,889; Sept. 11.
Nail-cleaning compound, Finger-. C. W. Eads. 1,467,614; Sept. 11.
Neck ring. C. E. McMurphy. 1,467,623; Sept. 11.
Necktie holder. A. H. Geilfuss. 1,467,634; Sept. 11.
Needle-making machines, Wire feeding and cutting mechanism for latch-. J. A. Calder. 1,467,705; Sept. 11.
Needles or pointers, Supporting device for. A. R. Beckert. 1,467,972; Sept. 11.
Nest box. C. E. McMurphy. 1,467,622; Sept. 11.
Nozzle. L. R. Nelson. 1,467,807; Sept. 11.
Nut lock. T. Miyagi. 1,467,907; Sept. 11.
Nut, Lock. L. M. Sartain. 1,467,688; Sept. 11.
Oil and the manufacture thereof, Lubricating. J. E. Southcombe and H. M. Wells. 1,467,695; Sept. 11.
Oil burner. W. E. Hartmann. 1,467,544; Sept. 11.
Oils from shale, Process and apparatus for the extraction of hydrocarbon. D. T. Day. 1,467,757; Sept. 11.
Oiling sleeve. E. C. Furnas. 1,467,668; Sept. 11.
Open-hearth furnace. C. C. Bumbaugh. 1,467,827; Sept. 11.
Ores and minerals, Concentrating oxidized. N. C. Christensen. 1,467,354; Sept. 11.
Ores, Treatment and leaching of complex. U. C. Tainton. 1,467,516; Sept. 11.
Orthodontist's locking device. E. M. Griffin. 1,467,789; Sept. 11.
Oven, Continuous baking. I. Elliott. 1,467,310; Sept. 11.
Overshoe. F. Rauscher. 1,467,950; Sept. 11.
Package lifter. P. Larsen. 1,467,799; Sept. 11.
Paint, Composition for removing. A. W. Scoles. 1,467,654; Sept. 11.
Paper clip. L. E. Huot. 1,467,320; Sept. 11.
Paper-sorting table. J. H. Reedy. 1,467,652; Sept. 11.
Pavement. P. H. Farrell. 1,467,783; Sept. 11.
Pear-peeling apparatus. C. E. Forry. 1,467,616; Sept. 11.
Petroleum emulsion, Treating. W. S. Barnickel. 1,467,831; Sept. 11.
Phenyl glycerine compounds, Manufacture of. M. Wyler. 1,467,598; Sept. 11.
Phonograph stop, Nonset. L. S. Hopkins. 1,467,793; Sept. 11.
Phonograph stop, Nonset automatic. L. S. Hopkins. 1,467,794; Sept. 11.
Photographing apparatus. T. A. Willard. 1,467,466; Sept. 11.
Picture frame, Pennant embodying. C. S. Oda. 1,467,680; Sept. 11.
Picture machines, Fire-preventing device for motion-. N. Power. 1,467,812; Sept. 11.
Pictures, Producing motion. F. Peano. 1,467,394; Sept. 11.
Pipe balls, Producing. J. H. Hall. 1,467,542; Sept. 11.
Pipe-casting machine. W. J. Perry. 1,467,496; Sept. 11.
Pipe connection. D. W. Bovee. 1,467,833; Sept. 11.
Pipe coupling, Instantaneous. C. Sen. 1,467,508; Sept. 11.
Pipe fittings, Testing machine for. R. C. Rahm. 1,467,813; Sept. 11.
Pipe or fitting, Reenforced. T. F. Hanley. 1,467,933; Sept. 11.
Pipes, Joint for concrete pressure. J. C. Mitchell. 1,467,585; Sept. 11.
Plastic substances, Machine for compressing or molding. A. W. Sizer. 1,467,883; Sept. 11.
Polishing machine. W. Taylor. 1,467,577; Sept. 11.
Power-transmission control. W. A. Stevens. 1,467,958; Sept. 11.
Piston ring. H. P. Wilke. 1,467,408; Sept. 11.
Press: *See*—
Tire press.
Press. M. H. Ballard. 1,467,297; Sept. 11.
Propeller. I. Higgs. 1,467,725; Sept. 11.
Propeller. T. B. Stewart. 1,467,515; Sept. 11.
Propeller and making the same. L. T. Frederick. 1,467,785; Sept. 11.
Protective system. W. M. Daun and C. L. Fortescue. 1,467,843; Sept. 11.
Press or expressing apparatus of the worm-screw type, Oil or like. G. R. Schueler. 1,467,737; Sept. 11.
Puddle balls, Apparatus for conveying and handling. E. L. Ford. 1,467,540; Sept. 11.
Puddle balls from puddling furnaces, Means for delivering. E. L. Ford. 1,467,541; Sept. 11.
Pulverizing apparatus. J. Aubé. 1,467,913; Sept. 11.
Pump, Deep-well. G. L. Fuller. 1,467,370; Sept. 11.
Pump, Oil. B. W. Macy. 1,467,441; Sept. 11.
Pump, Rotary. M. C. Mason. 1,467,944; Sept. 11.
Pump, Liquid-circulating. E. F. McDonald, H. Klein, and L. L. Haas. 1,467,331; Sept. 11.
Punch. R. M. Hatch. 1,467,637; Sept. 11.
Punch, Can. E. A. Conway. 1,467,608; Sept. 11.
Quick-set wrench. F. Nicholson. 1,467,978; Sept. 11.
Radiator. J. W. Guimont. 1,467,316; Sept. 11.
Radiators of heating systems, Means for deaerating. J. Melnken. 1,467,552; Sept. 11.
Rail chair. G. P. Milkent. 1,467,869; Sept. 11.
Railway and other vehicles, Brake apparatus for. H. E. Anderson. 1,467,701; Sept. 11.
Railway crossing. W., J., and J. Daley. 1,467,842; Sept. 11.
Railway-rail joint. J. A. Hyle. 1,467,431; Sept. 11.
Railway rail, Safety. W. P. Stewart. 1,467,696; Sept. 11.
Railway, Suspension. J. L. Miller. 1,467,871; Sept. 11.
Railway-switch mechanism. C. J. Kelloway. 1,467,327; Sept. 11.
Range. J. J. Toomey. 1,467,520; Sept. 11.
Rat trap. R. C. Burnley. 1,467,753; Sept. 11.
Razor, Locked. J. W. Fretwell. 1,467,930; Sept. 11.
Reamer and polisher, Combined. R. C. McClay. 1,467,977; Sept. 11.
Receptacle, Preserving. M. Saloun. 1,467,338; Sept. 11.
Receptacles, Making waterproof and acidproof. J. P. Elliott. 1,467,311; Sept. 11.
Reed cutter. W. Naujoks and E. E. McLaughlin. 1,467,806; Sept. 11.
Reel: *See*—
Fishing reel.
Reel. A. P. Andlauer. 1,467,523; Sept. 11.
Refrigerating machine. A. D. Karr and K. D. Perkins. 1,467,796; Sept. 11.
Refrigerating system. J. F. Winkler. 1,467,968; Sept. 11.
Refrigerator. A. F. von Codelli. 1,467,462; Sept. 11.
Regulator: *See*—
Fluid-pressure regulator.
Releasing device. K. Stahl. 1,467,885; Sept. 11.
Retardation device. C. D. Ainsworth. 1,467,752; Sept. 11.
Rim, Demountable. M. C. Hall. 1,467,852; Sept. 11.
Rim, Demountable. L. and F. J. Rosebush. 1,467,881; Sept. 11.
Rim fastening, Demountable-. W. E. Williams. 1,467,410; Sept. 11.
Ring: *See*—
Neck ring. Piston ring.
Riveting device. P. D. McNaughton. 1,467,679; Sept. 11.
Riveting machine. C. Dornier. 1,467,536; Sept. 11.
Rock drill, Rotary. J. Henritzi. 1,467,479; Sept. 11.
Rod: *See*—
Lightning rod.
Roll holder. O. Juvet. 1,467,896; Sept. 11.
Rolling mill. H. A. Roemer. 1,467,880; Sept. 11.
Roof made of undulated sheet iron, Arched. E. E. Debongnie. 1,467,925; Sept. 11.
Roofing. W. J. Dremann. 1,467,779; Sept. 11.
Roofing material. H. F. Weiss. 1,467,594; Sept. 11.
Rubber balls, Apparatus for the manufacture of hollow India. A. Lawton. 1,467,438; Sept. 11.
Rubber, Employing derivatives of the condensation products of amines and aldehydes in the vulcanization of. C. O. North. 1,467,984; Sept. 11.
Rubber heel. L. Kaplan. 1,467,547; Sept. 11.

Running-board support. A. T. Sturt. 1,467,656; Sept. 11.
Sacking device. J. E. Jewell. 1,467,323; Sept. 11.
Saddle cover. J. H. and F. A. Rimpler. 1,467,878; Sept. 11.
Safe. R. Bräuer. 1,467,419; Sept. 11.
Sand, Apparatus for separating. G. R. Young. 1,467,348; Sept. 11.
Sand-blast machine. L. Muste. 1,467,488; Sept. 11.
Sash and screen door, Combination. J. D. Sellars. 1,467,953; Sept. 11.
Sash and window screen, Combined storm. B. F. Ladue. 1,467,330; Sept. 11.
Saw frame and table. C. H. Todd. 1,467,887; Sept. 11.
Saw, Jig. W. A. Field. 1,467,720; Sept. 11.
Saw, Tubular. J. L. Walker. 1,467,406; Sept. 11.
Saxophone and clarinet mouthpiece. J. J. Babbitt. 1,467,524; Sept. 11.
Screen plate. W. G. Hall. 1,467,759; Sept. 11.
Screw machine, Automatic. J. J. Bosshard. 1,467,304; Sept. 11.
Seat: *See*—
Automobile seat. Car seat.
Separable fastener. F. S. Carr. 1,467,920; Sept. 11.
Sewing machine. F. Bussiere. 1,467,473; Sept. 11.
Sewing machine. J. Kiewicz. 1,467,898; Sept. 11.
Sewing machine, Blindstitch. C. A. Dearborn. 1,467,570; Sept. 11.
Sewing machine, Inseam shoe-. W. C. Meyer. 1,467,586; Sept. 11.
Sewing machines, Attachment for. A. B. Mattingly. 1,467,866; Sept. 11.
Sewing machines, Take-up for. J. Kiewicz. 1,467,897; Sept. 11.
Sheet accumulator. B. C. Batcheller. 1,467,300; Sept. 11.
Shingles, Laying composition. G. T. Smith, jr. 1,467,510; Sept. 11.
Ship-hull construction, Steel. R. E. Ellis. 1,467,426; Sept. 11.
Ships and submerged structures, Mounting of electrodes or electric discharge points in the hulls of. J. B. Wilkie and H. Neville. 1,467,890; Sept. 11.
Ships' ports, Multiple operating mechanism for. A. H. Kennewes. 1,467,642; Sept. 11.
Shock absorber. H. E. and B. F. Moore. 1,467,945; Sept. 11.
Shock absorber, Pneumatic. E. Van Der Pyl. 1,467,986–7; Sept. 11.
Shoe. E. Anderson. 1,467,296; Sept. 11.
Shoe jack. J. De Sanctis. 1,467,712; Sept. 11.
Shoe tree. H. A. Ballard. 1,467,915; Sept. 11.
Sign device, Tail-light. G. T. Steuart. 1,467,738; Sept. 11.
Signal: *See*—
Automatic signal. Highway signal.
Automobile signal.
Signaling circuits. J. F. Toomey. 1,467,458; Sept. 11.
Signaling system, High-frequency. C. A. Hoxie. 1,467,988; Sept. 11.
Signaling system. C. E. Beach. 1,467,301; Sept. 11.
Sirup, Preparing a sugar. H. C. Gore. 1,467,599; Sept. 11.
Skirt hanger. R. H. Gibbs and B. W. Thiele. 1,467,848; Sept. 11.
Skirt marker. A. Funk. 1,467,786; Sept. 11.
Slicing machine. E. K. Hood. 1,467,791; Sept. 11.
Smelting furnaces, Preliminary preparation of furnace charges for ore-. B. G. Klugh. 1,467,797; Sept. 11.
Soap dispenser. L. S. Rosenberger. 1,467,951; Sept. 11.
Solids, Apparatus for dissolving. E. A. Taylor. 1,467,342; Sept. 11.
Solids from liquids, Machine for centrifugally separating. G. Johnston. 1,467,855; Sept. 11.
Sounds, Method and means for determining the direction of. E. M. von Hornbostel and M. Wertheimer. 1,467,545; Sept. 11.
Spacer, Sector. G. and M. J. Ross. 1,467,395; Sept. 11.
Spark gap. F. A. Ryder. 1,467,882; Sept. 11.
Spark plug. J. Anderson. 1,467,413; Sept. 11.
Speed-changing device and take-up of chain drives or the like. A. L. Riker. 1,467,591; Sept. 11.
Spinning machine. D. M. Sullivan and G. W. Baity. 1,467,457; Sept. 11.
Spools, etc., Crank for winding. W. O. Owen. 1,467,736; Sept. 11.
Spring: *See*—
Vehicle spring.
Sprinkler. E. C. Chambers. 1,467,601; Sept. 11.
Square, Adjustable. P. V. Lord. 1,467,550; Sept. 11.
Stair construction. W. J. Korber. 1,467,900; Sept. 11.
Stay-bolt structure. E. I. Dodds. 1,467,359; Sept. 11.
Steering apparatus, Ship. P. A. Johnson. 1,467,982; Sept. 11.
Stereotype printing plates, Machine for operating upon. A. A. Henzl. 1,467,790; Sept. 11.
Stockings, Making. R. H. Lawson. 1,467,549; Sept. 11.
Stool, Knockdown. A. L. Boggs. 1,467,830; Sept. 11.
Storage battery. T. R. Cook. 1,467,707; Sept. 11.
Storage vessel. J. M. Falls. 1,467,719; Sept. 11.
Stove. R. R. Roemer. 1,467,815; Sept. 11.
Stoves, Attachment for. R. E. Campbell. 1,467,754; Sept. 11.
Stoves, Heat retaining and conducting attachment for burner. M. May. 1,467,868; Sept. 11.
Strainer, Outlet. C. Appelhoff. 1,467,772; Sept. 11.
Strand twister. A. J. Draper. 1,467,539; Sept. 11.
Stuffing box, Automatic. A. L. Rea. 1,467,877; Sept. 11.
Stump removing and clearing machine, Cutter head for. S. L. Hurd. 1,467,430; Sept. 11.
Surveyor's instrument. P. B. Daylor. 1,467,424; Sept. 11.
Swimming belt and making same, Pneumatic. J. M. Welch. 1,467,463; Sept. 11.
Switch: *See*—
Break switch. Time switch.
Switch. H. E. Norviel. 1,467,947; Sept. 11.
Table: *See*—
Knockdown table. Saw frame and table.
Paper-sorting table.
Tag-affixing machine. W. and F. L. Borchert. 1,467,469; Sept. 11.
Tag and envelope sheet, Combined shipping. A. M. Ahern. 1,467,631; Sept. 11.
Tank construction. S. Diggle. 1,467,610; Sept. 11.
Tanning fish skins. E. Knudsen. 1,467,858; Sept. 11.
Tape moistening and severing machine. C. H. Crowell. 1,467,421; Sept. 11.
Tapeline case structure. C. W. Crogan. 1,467,840; Sept. 11.
Teat, Infant's soothing. D. J. McOmish. 1,467,904; Sept. 11.
Telephoto objective. W. Merté. 1,467,804; Sept. 11.
Terminal, Clamping contact. G. F. Johnstone; 1,467,432; Sept. 11.
Thread guide, Tension-. A. A. Merritt. 1,467,443; Sept. 11.
Time-controlled switch mechanism. O. Schwengel. 1,467,507; Sept. 11.
Time-limit device. C. D. Ainsworth. 1,467,751; Sept. 11.
Time switch. J. Mettler. 1,467,444; Sept. 11.
Tin plates for cold rolling, Loosening (opening). A. Kontsek. 1,467,859; Sept. 11.
Tire-chain apparatus, Vehicle. P. G. Hughes. 1,467,639; Sept. 11.
Tire flap. J. R. Gammeter. 1,467,313; Sept. 11.
Tire, Pneumatic. N. G. Warth. 1,467,665; Sept. 11.
Tire press. M. A. Pearson. 1,467,948; Sept. 11.
Tire valve. L. S. Downs and G. Heckling. 1,467,780; Sept. 11.
Tires and the like, Device for inflating. J. W. Kaiser. 1,467,671; Sept. 11.
Tires, Low-pressure alarm for pneumatic. W. A. Harris. 1,467,317; Sept. 11.
Toaster. T. J. O'Rourke. 1,467,767; Sept. 11.
Toilet-seat covers, Dispensing apparatus for. A. Juline. 1,467,481; Sept. 11.
Tool. G. W. De Bar. 1,467,924; Sept. 11.
Tool. C. Undy. 1,467,661; Sept. 11.
Toy. J. D. Trethaway. 1,467,659; Sept. 11.
Toy, Aerial serpent. T. G. Hitt. 1,467,726; Sept. 11.
Toy aeroplane. W. R. La Plante. 1,467,861; Sept. 11.
Toy balloon. A. P. Witten. 1,467,411; Sept. 11.
Toy bowling alley. V. Hovanec. 1,467,600; Sept. 11.
Toys, Caster for. E. Remacle. 1,467,453; Sept. 11.
Toy pistol. L. S. Bixler. 1,467,918; Sept. 11.
Toy railway track. P. H. Egolf. 1,467,475; Sept. 11.
Toy telephone. J. Kelley. 1,467,326; Sept. 11.
Toy torpedo. A. Cimorosi. 1,467,775; Sept. 11.
Track liner. J. W. Frye. 1,467,722; Sept. 11.
Traction machine, General-utility. J. H. Wiest. 1,467,822; Sept. 11.
Tractor control, Distant. E. L. Thomson. 1,467,658; Sept. 11.
Tractors and other motor-driven vehicles, Seat support for. F. A. Schultz. 1,467,817; Sept. 11.
Tractors, Draft connection for. W. A. Engelhardt. 1,467,573; Sept. 11.
Tractors, Draft coupling for. H. P. Timm. 1,467,519; Sept. 11.
Transfers to convex, concave, and other articles, Process and apparatus for applying. A. M. Westling. 1,467,595; Sept. 11.
Transmission. W. S. Cunningham. 1,467,923; Sept. 11.
Transmission appliance. A. W. Rivett and B. Weinberger. 1,467,687; Sept. 11.
Trap: *See*—
Animal trap. Rat trap.
Trap. F. S. Conklin. 1,467,921; Sept. 11.
Trap. C. H. Dugas. 1,467,846; Sept. 11.
Trap. H. A. Smith. 1,467,818; Sept. 11.
Tray for use in conjunction with the chemical cleansing of silver. R. A. Faralla. 1,467,574; Sept. 11.
Treads and mold used in such method, Vulcanizing. W. M. Jones, jr. 1,467,761; Sept. 11.
Tree: *See*—
Shoe-tree.
Trip trap, High and medium pressure. A. Harrison. 1,467,379; Sept. 11.
Trolling spoon. E. L. Evans. 1,467,362; Sept. 11.
Truck. J. R. Des Rosiers. 1,467,571; Sept. 11.
Tubular drill. J. H. Phillips. 1,467,451; Sept. 11.
Turbine. V. Kaplan. 1,467,672; Sept. 11.
Turbines and the like, Directrix for. V. Kaplan. 1,467,325; Sept. 11.
Turnbuckle and hanger, Adjustable spring. E. C. Mitchell. 1,467,872; Sept. 11.
Turnbuckle lock. R. A. Hoffman. 1,467,319; Sept. 11.

Turning tool. W. F. Roney. 1,467,501; Sept. 11.
Twist drill. E. C. Oliver. 1,467,491; Sept. 11.
Type-casting apparatus. M. F. Turner. 1,467,405; Sept. 11.
Typewriters, Manifolding platen for. M. L. Cossitt. 1,467,532; Sept. 11.
Typewriting and computing machine, Combined. F. U. Conard. 1,467,569; Sept. 11.
Typewriting machine. C. Gabrielson. 1,467,723; Sept. 11.
Typewriting machine. A. G. F. Kurowski. 1,467,940–2; Sept. 11.
Universal joint. R. A. Hartmann. 1,467,380; Sept. 11.
Vacuum-producing apparatus. I. E. Ewing and H. Hinerman. 1,467,312; Sept. 11.
Valve. P. A. Johnson. 1,467,981; Sept. 11.
Valve. F. S. Livingston. 1,467,486; Sept. 11.
Valve. T. O. Mountain. 1,467,447; Sept. 11.
Valve. A. E. Rope. 1,467,816; Sept. 11.
Valve. H. F. Smith and T. Cureton. 1,467,511; Sept. 11.
Valve and cleaner, Combined water-feed. F. A. Olson. 1,467,492; Sept. 11.
Valve attachment, Rotary. J. A. Kidd. 1,467,674; Sept. 11.
Valve for internal-combustion engines. D. E. Turner. 1,467,742; Sept. 11.
Valve for use in connection with pneumatic tires, applicable for other suitable purposes. J. Lumb. 1,467,440; Sept. 11.
Valve lifter. H. D. Lindenmuth. 1,467,439; Sept. 11.
Valve mechanism for internal-combustion engines. R. E. Anderson and O. G. Larson. 1,467,747; Sept. 11.
Valve mechanism, Tank-wagon emergency-. G. L. E. Emmich. 1,467,717; Sept. 11.
Valves, Pin inserter and remover for Ford. C. G. Balcom. 1,467,914; Sept. 11.
Valve-plug remover. L. A. Janssen. 1,467,936; Sept. 11.
Valve, Poppet. H. J. Bachman. 1,467,414; Sept. 11.
Valve, Pressure-control. A. Amsler. 1,467,522; Sept. 11.
Valve, Self closing and cleaning drain. G. W. Fairbanks. 1,467,615; Sept. 11.
Valve-spring compressor and lifter. O. V. Vanicek. 1,467,628; Sept. 11.
Valve-spring-manipulating device. G. W. Cary. 1,467,567; Sept. 11.
Valve, Waste or outlet. E. G. Watrous. 1,467,965; Sept. 11.
Valves, Dust cap for tire. H. P. Kraft. 1,467,484; Sept. 11.
Vanity box. A. S. Lyhne. 1,467,764; Sept. 11.
Vault or the like. H. A. Ledyard and J. J. Jelley. 1,467,862; Sept. 11.
Vehicle body. L. J. Buoh. 1,467,305; Sept. 11.
Vehicles, Bumper or fender for. F. E. Hutchings. 1,467,322; Sept. 11.
Vehicle, Dumping. A. P. Lee. 1,467,485; Sept. 11.
Vehicles, Glass-covered instrument board for motor. W. P. Hammond. 1,467,636; Sept. 11.
Vehicle, Motor. H. B. Knap. 1,467,930; Sept. 11.
Vehicles, Direction indicator for motor. R. N. McClure. 1,467,487; Sept. 11.
Vehicle spring. J. L. Miller. 1,467,870; Sept. 11.
Vehicle step, Disappearing. J. R. Gannon. 1,467,976; Sept. 11.
Vehicle wheel. F. L. Minnick. 1,467,446; Sept. 11.
Vehicle wheel. J. G. Rosillo. 1,467,334; Sept. 11.
Vehicle wheel. L. I. Thompson. 1,467,740; Sept. 11.
Vehicle wheel, Metallic. C. J. W. Hayes. 1,467,478; Sept. 14.
Vehicles, Spring suspension for. E. Frankland. 1,467,784; Sept. 11.
Vehicles, Tail-light and license-plate holder for. O. C. Kraening and J. M. Reiter. 1,467,798; Sept. 11.
Vehicles, Tool box for motor. U. S Moore. 1,467,555; Sept. 11.
Velocipedes, Stand for. W. H. Perrigo. 1,467,908; Sept. 11.
Ventilator: *See*—
Window and ventilator.
Ventilator. W. M. Lange. 1,467,901; Sept. 11.
Vessel, Submarine war. K. Dougan. 1,467,611; Sept. 11.
Vibrometer. W. W. Gowin. 1,467,373; Sept. 11.
Violins, Machine for the purpose of breaking in or seasoning. M. H. Flydal. 1,467,576; Sept. 11.
Viscosimeter, Capillary. H. E. R. Vogel. 1,467,461; Sept. 11.
Wagon brake, Automatic. C. J. Reasoner. 1,467,499; Sept. 11.
Wall construction. A. Siegel. 1,467,340; Sept. 11.
Wall form. A. E. McCallum. 1,467,903; Sept. 11.
Warp holder. O. and G. Tandler. 1,467,697; Sept. 11.
Washing and wet screening, Apparatus for. N. C. Christensen. 1,467,355; Sept. 11.
Washing machines, Mechanism for power-driven. F. E. Robertson. 1,467,879; Sept. 11.
Watch winding mechanism. J. A. Freund. 1,467,427; Sept. 11.
Water cooler. J. P. Kramer. 1,467,436; Sept. 11.
Water heater, Electric hot-. A. C. Hulbert. 1,467,381; Sept. 11.
Water-motor. H. M. Davis. 1,467,975; Sept. 11.
Weather vane. M. R. Rumfelt. 1,467,336; Sept. 11.
Weft-carrier magazine. E. H. Ryon. 1,467,653; Sept. 11.
Weigher, Automatic. J. Mainland. 1,467,802; Sept. 11.
Welding. H. W. Schoenfeldt, G. A. Reinhardt, and E. T. McCleary. 1,467,625; Sept. 11.
Welding composition, Arc-. J. C. Armor. 1,467,825; Sept. 11.
Welding furnace, Electric. I. D. Shipper. 1,467,954; Sept. 11.
Well-drilling rigs, Cable clamp for. O. C. Zuck. 1,467,666; Sept. 11.
Well equipment, Oil-. A. T. Hagaman. 1,467,635; Sept. 11.
Well reamer. W. J. Hogue. 1,467,480; Sept. 11.
Wells, Fishing tool for deep. G. G. Bowen, C. A. Duley, and R. B. Ross. 1,467,604; Sept. 11.
Wells, Pumping power for. E. O. Bennett. 1,467,773; Sept. 11.
Wheel: *See*—
Vehicle wheel.
Wheel. J. D. Trethaway. 1,467,660; Sept. 11.
Wheel rim. R. H. Hiatt. 1,467,638; Sept. 11.
Wheel rim. S. I. Prescott and F. J. Rummler. 1,467,588; Sept. 11.
Wheel rims, Tightening device for demountable. J. R. Olshei. 1,467,809; Sept. 11.
Wind instruments, Tone modifier for. W. R. D'Alfonso. 1,467,422; Sept. 11.
Wind motor. W. R. Twiford. 1,467,962; Sept. 11.
Winding and measuring machine, Automatic sheet. H. A. Cumfer. 1,467,841; Sept. 11.
Window and ventilator. E. W. Cotter and E. Troughton. 1,467,839; Sept. 11.
Window lock, Automatic. W. E. Beck. 1,467,564; Sept. 11.
Windrow loader. E. Mowry. 1,467,392; Sept. 11.
Windmills and wind motors, Wing for. P. Vinding and R. J. Jensen. 1,467,699; Sept. 11.
Wire fabric. J. S. Barnes. 1,467,416; Sept. 11.
Wood, Preserving. R. I. Smith. 1,467,819; Sept. 11.
Wrench: *See*—
Lamp wrench. Quick-set wrench.
Wrench. J. P. Coughlin. 1,467,709; Sept. 11.
Wrench. J. P. Coughlin. 1,467,756; Sept. 11.
Wrench. R. Mackin. 1,467,678; Sept. 11.
Wrench. L. A. Morgan. 1,467,735; Sept. 11.
Wringers, Clothes guide for. B. T. Foley. 1,467,367; Sept. 11.
X-ray work, Film packet for. H. R. Raper. 1,467,876; Sept. 11.

CLASSIFICATION OF PATENTS

ISSUED SEPTEMBER 11, 1923.

NOTE.—First number=class, second number=subclass, third number=patent number.

1— 2: 1,467,365
2— 63: 1,467,718
142: 1,467,482
144: 1,467,731
4— 35: 1,467,772
1,467,965
5— 290: 1,467,606
7— 11: 1,467,661
9— 17: 1,467,463
12— 107: 1,467,801
123: 1,467,712
128.1: 1,467,915
15— 7: 1,467,874
59: 1,467,629
120: 1,467,324
128: 1,467,337
237: 1,467,814
16— 18: 1,467,744
21: 1,467,453
128: 1,467,344
162: 1,467,476
17— 27: 1,467,919
44: 1,467,645
18— 2: 1,467,918
15: 1,467,867
1,467,942
19: 1,467,438
45: 1,467,315
53: 1,467,984
54: 1,467,493
56: 1,467,311
59: 1,467,761
131.5: 1,467,662
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Ace Hardware Manufacturing Corporation, Philadelphia, Pa. Knife and edge-tool sharpening machines. 173,207; Sept. 18; Serial No. 172,314; published June 12, 1923.

Akron-Selle Company, The, Akron, Ohio. Liquid gauges. 173,256; Sept. 18; Serial No. 157,016; published June 12, 1923.

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Alpha Game & Toy Company, Inc., New York, N. Y. Educational puzzle game. 173,219; Sept. 18; Serial No. 174,275; published June 19, 1923.

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Beatrice Creamery Company, Chicago, Ill., and Topeka, Kans. Milk and cream. 173,261; Sept. 18; Serial No. 175,459; published June 19, 1923.

Beebe Laboratories, Incorporated, doing business as Ward and Pierre, St. Paul, Minn. Face creams. 173,202; Sept. 18; Serial No. 172,724; published June 19, 1923.

Bemis Bro. Bag Company, St. Louis, Mo. Cotton, burlap, and paper bags. 173,156; Sept. 18; Serial No. 145,544; published June 19, 1923.

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Berman, Charles M., New York, N. Y. Powder puffs. 173,220; Sept. 18; Serial No. 174,230; published June 19, 1923.

Biddle, Alice M., doing business as Carrolton Packing Co., Hanford, Calif. Dried fruit. 173,129; Sept. 18; Serial No. 177,821; published June 12, 1923.

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Carter Dry Goods Company, Louisville, Ky. Percales in the piece. 173,183; Sept. 18; Serial No. 169,280; published June 19, 1923.

Casler, Fred M., Los Angeles, Calif. Mayonnaise, catchup, Thousand Island dressing, marshmallow cream, etc. 173,186; Sept. 18; Serial No. 168,755; published June 26, 1923.

Cato Oil and Grease Co., Oklahoma, Okla. Lubricating oils and greases. 173,309; Sept. 18; Serial No. 179,293; published June 19, 1923.

Cellas', Inc., New York, N. Y. Cottonseed oil. 173,143; Sept. 18; Serial No. 178,090; published June 12, 1923.

Central Indiana Coal Co., Indianapolis, Ind. Coal. 173,306; Sept. 18; Serial No. 179,516; published June 19, 1923.

Chemical Foundation Incorporated, The. (See Chemische Fabrik auf Actien (vormals E. Schering), assignor.)

Chemische Fabrik auf Actien (vormals E. Schering), Berlin, Germany, assignor to The Chemical Foundation, Incorporated, Wilmington, Del. Germicides, disinfectants, and other deodorizing preparations. 23,629; renewed Sept. 19, 1923.

Christopher, L. J., Co., Los Angeles, Calif. Candies. 173,144–5; Sept. 18; Serial Nos. 177,958–9; published June 12, 1923.

Cleveland Wire Spring Company, doing business as Ohio Bed Company, Cleveland, Ohio. Bed springs. 173,258; Sept. 18; Serial No. 175,465; published May 15, 1923.

Colter & Bernie, New York, N. Y. Hosiery and underwear of knitted and textile fabric. 173,174; Sept. 18; Serial No. 171,152; published June 19, 1923.

Columbia Ave. Beauty Parlor. (See Holway, Sadie.)

Connolly, Henry G., Los Angeles, Calif. Automatic oils for the treatment of disorders of the throat, lungs, etc. 173,108; Sept. 18; Serial No. 176,952; published June 12, 1923.

Continental Auto Parts Company, Columbus, Ind. Spring shackle and other bolts, nuts, and metal washers. 173,178; Sept. 18; Serial No. 170,475; published June 19, 1923.

Corenson, Abe, Los Angeles, Calif. Combination headdress and waistband for doll. 173,279; Sept. 18; Serial No. 179,840; published June 19, 1923.

Coronado Fish Co. (See Petrich, Paul.)

Coy, Hunt and Company, New York, N. Y. Paper. 173,132; Sept. 18; Serial No. 179,399; published June 12, 1923.

Crown Brewing Co., The, Cincinnati, Ohio. Malt or cereal beverage and malt sirup for making same. 173,280; Sept. 18; Serial No. 179,032; published June 19, 1923.

Dairymen's League Co-Operative Association, Inc., Utica, N. Y. Condensed and evaporated milk. 173,135; Sept. 18; Serial No. 178,376; published June 12, 1923.

Dayton Hosiery Mills, Dayton, Tenn. Hosiery. 173,205; Sept. 18; Serial No. 172,524; published June 12, 1923.

Dentrol Sales Corporation, Wilmington, Del., and New York, N. Y. Fabric rolls impregnated with a dentifrice and holders therefor. 173,272; Sept. 18; Serial No. 175,009; published June 19, 1923.

Dixie Oil & Grease Company, Atlanta, Ga. Lubricating oils and greases. 173,234; Sept. 18; Serial No. 166,659; published June 19, 1923.

Duplan Silk Corporation, New York, N. Y. Silk piece goods. 173,281; Sept. 18; Serial No. 178,974; published June 12, 1923.

Duplan Silk Corporation, New York, N. Y. Silk piece goods. 173,282–3; Sept. 18; Serial Nos. 178,970–1; published June 12, 1923.
Duplan Silk Corporation, New York, N. Y. Silk piece goods. 173,284; Sept. 18; Serial No. 178,973; published June 12, 1923.
Duplan Silk Corporation, New York, N. Y. Silk piece goods. 173,285; Sept. 18; Serial No. 178,975; published June 12, 1923.
Duplan Silk Corporation, New York, N. Y. Silk piece goods. 173,286–8; Sept. 18; Serial Nos. 178,977–9; published June 12, 1923.
Du Pont, E. I., de Nemours & Company, Wilmington, Del. Lacquers and enamels. 173,241; Sept. 18; Serial No. 162,384; published June 19, 1923.
Durbrow & Hearne, New York, N. Y. Cutting machines for use in the manufacture of hats. 173,275; Sept. 18; Serial No. 174,822; published June 19, 1923.
E. B. Candy Co. (See Carametos, John J. M.)
East Coast Trading Co., Baltimore, Md. Shell and grit. 173,196; Sept. 18; Serial No. 173,075; published June 19, 1923.
Easter Fish Company, Norfolk, Va. Fresh fish and oysters. 173,116; Sept. 18; Serial No. 177,900; published June 12, 1923.
Empire Carpet Co., New York, N. Y. Floor covering. 173,289; Sept. 18; Serial No. 179,092; published June 19, 1923.
Erie Steel Construction Company, Erie, Pa. Holding and measuring apparatus for stone, gravel, etc. 173,212; Sept. 18; Serial No. 171,308; published June 19, 1923.
Exline & Exline Co., The, Dallas, Tex. Bond papers. 173,229; Sept. 18; Serial No. 173,411; published Apr. 24, 1923.
Fairchild Bros. & Foster, New York, N. Y. Artificially-digested food or peptone. 23,467; renewed Aug. 8, 1923.
Ferguson and Lange Foundry Company, Chicago, Ill. Water-heating apparatus and parts thereof. 173,116; Sept. 18; Serial No. 169,580; published June 12, 1923.
Fly-Like Company, Springfield, Mo. Liquid preparation to prevent annoyance by flies and vermin on live stock. 173,107; Sept. 18; Serial No. 176,959; published June 12, 1923.
Forstmann & Huffmann Company, Passaic, N. J. Woolen piece goods. 173,290; Sept. 18; Serial No. 178,988; published June 12, 1923.
Forstmann & Huffmann Company, Passaic, N. J. Woolen piece goods. 173,291–2; Sept. 18; Serial No. 178,990–1; published June 12, 1923.
Forstmann & Huffmann Company, Passaic, N. J. Woolen piece goods. 173,293; Sept. 18; Serial No. 178,995; published June 12, 1923.
Fougera, E., & Co., New York, N. Y. Toilet powder. 173,104; Sept. 18; Serial No. 177,038; published June 12, 1923.
Frank, A. B., Company, San Antonio, Tex. Hosiery and sweaters, scarfs, caps, bootees, and knit sets. 173,177; Sept. 18; Serial No. 170,634; published June 19, 1923.
Frazer, Stuart F., Pittsburgh, Pa. Roofing materials. 173,112; Sept. 18; Serial No. 171,417; published June 12, 1923.
Friedlaender, Oscar O., Co., New York, N. Y. Illuminating glassware. 173,232; Sept. 18; Serial No. 173,280; published June 12, 1923.
Frost, Lorenzo S., doing business as L. S. Frost, Cambridge, Mass. Metal material for portable buildings and metal for doors and locks. 173,093; Sept. 18; Serial No. 177,665; published June 12, 1923.
Gennert, G., Inc., New York, N. Y. Albums. 173,262; Sept. 18; Serial No. 175,423; published June 12, 1923.
Germain Brothers Company, The, Saginaw, Mich. Type of toilet or closet seat. 173,127; Sept. 18; Serial No. 172,874; published June 12, 1923.
Gill, Warren D., Los Angeles, Calif. Tooth paste. 173,106; Sept. 18; Serial No. 176,962; published June 12, 1923.
Globe Wire Co., Sharpsburg, Pa. Steel rods suitable for the making of taps and small tools. 173,215; Sept. 18; Serial No. 174,773; published June 19, 1923.
Granger Mineral Co., Camas, Wash. Medicinal preparation for internal use in the treatment of chronic disorders of the stomach, kidneys, liver, etc. 173,270; Sept. 18; Serial No. 175,014; published June 19, 1923.
Grasselli Chemical Company, The, Cleveland, Ohio. Dyes and dyestuffs. 173,125; Sept. 18; Serial No. 157,922; published June 12, 1923.
Gries, Joseph M., Battle Mountain, Nev. Ice cream. 173,274; Sept. 18; Serial No. 174,832; published June 19, 1923.
Grip Bow Tie Company, Omaha, Nebr. Neckties. 173,231; Sept. 18; Serial No. 173,353; published June 19, 1923.
Grosner, Gerald D., doing business as Grosner's, Washington, D. C. Men's dress and negligee shirts, nightshirts, and pyjamas. 173,228; Sept. 18; Serial No. 173,419; published June 19, 1923.
Henle, Walter, doing business as Blackhawk Extract Company, Davenport, Iowa. Malt sirup. 173,140; Sept. 18; Serial No. 178,248; published June 19, 1923.
Herbrand Company, The, Fremont, Ohio. Wrenches, pliers, hammers, etc. 173,303; Sept. 18; Serial No. 179,729; published June 19, 1923.
Holway, Sadie, doing business as Columbia Ave. Beauty Parlor, Philadelphia, Pa. Face powders and creams, perfumes, rouges, etc. 173,094; Sept. 18; Serial No. 177,299; published June 12, 1923.
Hooker, Grace R., East Providence, R. I. Candy. 173,214; Sept. 18; Serial No. 174,778; published June 19, 1923.
Hopkins, Nevil M., New York, N. Y. Dentifrices. 173,221; Sept. 18; Serial No. 174,207; published June 19, 1923.
Howdy Company, The, St. Louis, Mo. Grape-flavored concentrate. 173,294; Sept. 18; Serial No. 180,183; published June 19, 1923.
Huber, Rudolfo, Nashville, Tenn. Automobile lock. 173,250; Sept. 18; Serial No. 160,287; published June 19, 1923.
Hulburt, H. L., doing business as Jely-Rite Fruit Company, San Jose, Calif. Concentrated fruit pectin, fruit preserves, jelly, jams, etc., containing added pectin. 173,184; Sept. 18; Serial No. 169,249; published June 26, 1923.
Hunter, W. N., and Co., Hot Springs, S. Dak. Ointment for treating eczema, salt rheum, etc. 173,166; Sept. 18; Serial No. 177,128; published June 12, 1923.
Hutchins Car Roofing Company, Detroit, Mich. Railroad-car roof. 173,092; Sept. 18; Serial No. 177,669; published June 12, 1923.
Icy Hunni Co., Milwaukee, Wis. Ice cream or other frozen dainties. 173,226; Sept. 18; Serial No. 173,706; published June 26, 1923.
International Worsted Mills, Methuen, Mass., and New York, N. Y. Novelty worsted fabrics. 173,276; Sept. 18; Serial No. 174,787; published June 12, 1923.
International Worsted Mills, Methuen, Mass., and New York, N. Y. Tropical worsteds in the piece. 173,277; Sept. 18; Serial No. 174,786; published June 12, 1923.
Iron Clad Patch Laboratories Inc., New Orleans, La. Adhesive patches for automobile tires and inner tubes. 173,113; Sept. 18; Serial No. 171,083; published June 12, 1923.
Irwin Auger Bit Company, The, Wilmington, Ohio. Bits and augers. 173,315–17; Sept. 18; Serial Nos. 179,098–100; published June 19, 1923.
Irwin Auger Bit Company, The, Wilmington, Ohio. Bits and augers. 173,315–17; Sept. 18; Serial Nos. 179,101–3; published June 19, 1923.
Jely-Rite Fruit Company. (See Hulburt, H. L.)
Johnson, W. E., doing business as Mrs. W. E. Johnson, Great Falls, Mont. Salad dressing. 173,163; Sept. 18; Serial No. 158,188; published June 19, 1923.
Johnston, Matthew R., doing business as M. R. Johnston Coffee Co., Baltimore, Md. Coffee. 173,138; Sept. 18; Serial No. 178,256; published June 12, 1923.
Joy Paper Products Co. (See Mayer Coating Machine Co.)
Kalle & Co., Aktiengesellschaft, Biebrich-on-the-Rhine, Germany. Pharmaceutical product used as a deodorant antiseptic for wounds, etc. 173,150; Sept. 18; Serial No. 155,695; published Sept. 26, 1922.
Kanter, David I., Chicago, Ill. Corn remedy. 173,168; Sept. 18; Serial No. 173,221; published May 15, 1923.
Katz, Sigmund, doing business as Bluebell Malt Co., New York, N. Y. Pure malt extracts. 173,208; Sept. 18; Serial No. 172,047; published June 19, 1923.
Kil-Tone Company, The, Vineland, N. J. Insecticide. 173,099; Sept. 18; Serial No. 177,130; published June 12, 1923.
Kingsbury Company, The, Fort Wayne, Ind. Foot-bath preparation. 173,118; Sept. 18; Serial No. 167,965; published June 5, 1923.
Knox Pharmacal Company, Rockland, Me. Tonic for cats and kittens. 173,098; Sept. 18; Serial No. 177,131; published June 12, 1923.
Kobayashi, H., & Co., Inc., New York, N. Y. Broad silks and silk and cotton goods in the piece. 173,176; Sept. 18; Serial No. 170,769; published June 19, 1923.
Konroe Merchants. (See Robert, Samuel.)
Lace-Net Importing Co., New York, N. Y. Silk laces, silk and fiber and silk and wool laces. 173,180; Sept. 18; Serial No. 169,766; published June 12, 1923.
Levey Printing Company, Indianapolis, Ind. Plank papers, lining paper, and fly sheets for book covers and letter heads. 173,227; Sept. 18; Serial No. 173,504; published May 29, 1923.
Levy, Jack, Inc., New York, N. Y. Dresses. 173,194; Sept. 18; Serial No. 173,136; published June 12, 1923.
Levy-Shulman & Co. Inc., New York, N. Y. Women's dresses. 173,200; Sept. 18; Serial No. 172,996; published June 12, 1923.
Liberty Produce Company. (See Maeda, Y.)
Little Giant Company, Mankato, Minn. Road-building machinery, metal-working equipment, etc. 173,252; Sept. 18; Serial No. 159,210; published June 19, 1923.
Lubi-Kool Company, The, Casper, Wyo. Appliance for lubricating and cooling internal-combustion engines. 173,312; Sept. 18; Serial No. 179,156; published June 19, 1923.
McDowell, Charles, doing business as McDowell Paper Mills, Manayunk, Pa. Glassine, grease proof, imitation-parchment, writing, wrapping, etc., paper. 173,253; Sept. 18; Serial No. 179,619; published June 12, 1923.
McGuire, William A., Cliffside, N. J. Liniments. 173,264; Sept. 18; Serial No. 175,365; published June 19, 1923.

Macdonald, Helen M., Vancouver, British Columbia, Canada. Herbal remedy for expectant mothers. 173,164; Sept. 18; Serial No. 157,492; published June 19, 1923.
Maeda, Y., doing business as Liberty Produce Company, Livingston, Calif. Deciduous fruits and grapes in their natural state. 173,162; Sept. 18; Serial No. 158,782; published June 19, 1923.
Mah-Jongg Sales Company of America, San Francisco, Calif. Dolls. 173,304; Sept. 18; Serial No. 179,614; published June 19, 1923.
Manhattan Knitting Mills, Inc., New York, N. Y. Sweaters. 173,263; Sept. 18; Ser. No. 175,431; published June 12, 1923.
Manhattan Rubber Mfg. Co., The, Passaic, N. J. Machinery belting, hose, and packing. 173,243; Sept. 18; Serial No. 160,825; published June 19, 1923.
Maple Producers' Co-Operative Association, Inc., Syracuse, N. Y. Maple sirup and sugar. 173,260; Sept. 18; Serial No. 175,432; published June 19, 1923.
Marshall & Muller, Lodi, Calif. Fresh deciduous fruits and grapes. 173,217; Sept. 18; Serial No. 174,581; published June 26, 1923.
Martoccio, F. A., Macaroni Co., Minneapolis, Minn. Macaroni. 173,265; Sept. 18; Serial No. 175,258; published June 19, 1923.
Mattei, Andrew, Fresno, Calif. Fresh grapes and raisins. 173,137; Sept. 18; Serial No. 178,266; published June 12, 1923.
Mayer Coating Machines Co. Inc., doing business as Joy Paper Products Co., Rochester, N. Y. Paper cups. 173,185; Sept. 18; Ser. No. 169,028; published June 19, 1923.
Merck & Co., New York, N. Y. Antirheumatic. 173,102; Sept. 18; Serial No. 177,096; published June 12, 1923.
Merrell-Soule Company, Syracuse, N. Y. Powdered milk. 173,222; Sept. 18; Serial No. 174,146; published June 19, 1923.
Merrick and Rice, Kendal, Fla. Fresh grapefruit. 173,151; Sept. 18; Serial No. 154,317; published June 19, 1923.
Mesquita & Lange, New York, N. Y. Spun silk. 173,216; Sept. 18; Serial No. 174,665; published June 19, 1923.
Milwaukee Malting & Grain Co., Milwaukee, Wis. Concentrated malt sirup and extract. 173,155; Sept. 18; Serial No. 147,303; published June 19, 1923.
Morrison, Alexander, & Company, Incorporated, Newark, N. J. Steam boilers, furnaces, gas heaters, etc. 173,246; Sept. 18; Serial No. 160,456; published June 19, 1923.
Mound City Creamery and Food Products Co., St. Louis, Mo. Butter, coffee, tea, spices, etc. 173,242; Sept. 18; Serial No. 160,953; published Mar. 27, 1923.
Nancy Hubbard Company. (See Watson, Arthur C.)
National Aniline & Chemical Company, Incorporated, New York, N. Y. Coal-tar crudes, intermediates, dyestuffs, dyes, etc. 173,271; Sept. 18; Serial No. 174,971; published June 12, 1923.
National Biscuit Company, Jersey City, N. J., and New York, N. Y. Biscuit. 173,121; Sept. 18; Serial No. 163,593; published June 12, 1923.
National Hair Goods Co., Chicago, Ill. Hair nets. 173,161; Sept. 18; Serial No. 159,048; published June 12, 1923.
Nebraska Cement Company, Omaha, Nebr., and Denver, Colo. Portland cement. 173,091; Sept. 18; Serial No. 177,687; published June 12, 1923.
New Process Cork Company, Brooklyn, N. Y. Bottle closures of the crown type. 173,124; Sept. 18; Serial No. 160,076; published June 12, 1923.
New York & Pennsylvania Company, Castanea Township, Clinton County, Pa., and New York, N. Y. Book paper in sheets and rolls, alkali-proof paper, etc. 173,119; Sept. 18; Serial No. 167,922; published June 12, 1923.
Noblesville Milling Co., Noblesville, Ind. Wheat flour. 173,191; Sept. 18; Serial No. 167,730; published Mar. 20, 1923.
Noblesville Milling Co., Noblesville, Ind. Self-rising flour. 173,235–6; Sept. 18; Serial Nos. 166,566–7; published Mar. 20, 1923.
Ohio Spring Bed Company. (See Cleveland Wire Spring Company.)
Oldach, William H., Inc., Philadelphia, Pa. Fancy patent hard-wheat flour. 173,239; Sept. 18; Serial No. 163,232; published Apr. 3, 1923.
Olympia Manufacturing Co., New York, N. Y. Cotton goods, particularly cotton and silk shirting. 173,366; Sept. 18; Serial No. 175,153; published June 19, 1923.
Overton, Anthony, doing business as The Overton-Hygienic Mfg. Co., Chicago, Ill. Toilet preparations. 173,245; Sept. 18; Serial No. 160,560; published Nov. 28, 1922.
Pacific Coast Biscuit Co., Seattle, Wash. Crackers and cookies. 173,153; Sept. 18; Serial No. 151,284; published Dec. 26, 1922.
Pamlico Cottons, Ltd., New York, N. Y. Cretonnes, tapestries, and draperies in the piece. 173,154; Sept. 18; Serial No. 150,464; published June 19, 1923.
Parfumerie Roger et Gallet, Paris, France. Paste and powders for beautifying and preserving the teeth, skin, and hair, and perfumery. 173,109; Sept. 18; Serial No. 171,866; published June 5, 1923.
Parisian Specialty Co., Seattle, Wash. Facial packs. 173,210; Sept. 18; Serial No. 171,382; published June 19, 1923.
Petrich, Paul, doing business as Coronado Fish Co., San Diego, Calif. Canned fish. 173,223; Sept. 18; Serial No. 174,150; published June 26, 1923.
Philadelphia Paper Manufacturing Company, Philadelphia and Manayunk, Pa. Paperboard. 173,273; Sept. 18; Serial No. 174,855; published June 19, 1923.
Philip Morris & Co. Ltd., New York, N. Y. Cigarettes. 173,131; Sept. 18; Serial No. 179,416; published June 12, 1923.
Porter, Kenneth E., doing business as Rustnot Products Company, Cleveland, Ohio. Table, kitchen, butcher, and hunting knives and forks. 173,195; Sept. 18; Serial No. 173,106; published June 19, 1923.
Portner, Robert, Brewing Company, Alexandria, Va. Lager beer. 23,870; renewed Nov. 28, 1923.
Queen City Extract Company, The, Cincinnati, Ohio. Grape-flavored sirup for beverage purposes. 173,238; Sept. 18; Serial No. 163,413; published June 19, 1923.
Resler, Herman & Company, Chicago, Ill. Cotton and silk and cotton piece goods, ladies' woolen dress fabrics, and dress linens. 173,251; Sept. 18; Serial No. 159,286; published June 19, 1923.
Rich-Maid Mfg. Co., Inc., Richmond, Va. Pop-corn confection. 173,209; Sept. 18; Serial No. 171,816; published June 19, 1923.
Roach, W. R., & Company, Grand Rapids, Mich. Fresh fruits and vegetables. 173,160; Sept. 18; Serial No. 159,054; published June 19, 1923.
Robert, Samuel, doing business as Konroe Merchants, New York, N. Y. Egg slicers and cake forms. 173,193; Sept. 18; Serial No. 173,246; published June 19, 1923.
Rochon, Isidore, Fall River, Mass. Salve for piles, burns, and open sores. 173,225; Sept. 18; Serial No. 173,725; published June 26, 1923.
Rosemary Manufacturing Company, Roanoke Rapids, N. C. Jacquard woven fabrics—namely, table damask, tablecloths, and napkins. 173,269; Sept. 18; Serial No. 175,027; published June 19, 1923.
Roulston, Thos., Inc., Brooklyn, N. Y. Coffee. 173,114; Sept. 18; Serial No. 171,039; published June 5, 1923.
Rustnot Products Company. (See Porter, Kenneth E.)
Salt's Textile Manufacturing Company, The, Bridgeport, Conn., and New York, N. Y. Fabrics in the piece made wholly or in part of wool, worsted, mohair, etc. 173,159; Sept. 18; Serial No. 159,120; published June 12, 1923.
San Joaquin County Cherry Growers Assn., Stockton, Calif. Fresh cherries. 173,148; Sept. 18; Serial No. 177,875; published June 12, 1923.
Scala, Maria B., Milan, Italy. Anticholera and tonic remedy. 23,850; renewed Nov. 21, 1923.
Scala, Maria B., Milan, Italy. Anticholera and tonic remedy 23,898–9; renewed Dec. 5, 1923.
Schwartz, Rudolph, San Francisco, Calif. Cigars. 173,254; Sept. 18; Serial No. 179,486; published June 12, 1923.
Scott, Lewis L., St. Louis, Mo. Golf clubs. 173,302; Sept. 18; Serial No. 179,746; published June 19, 1923.
Segall, M. R., doing business as M. R. Segall & Co., Baltimore, Md. Coal, coke, and charcoal. 173,311; Sept. 18; Serial No. 179,169; published June 19, 1923.
Sheppard, George W., San Francisco, Calif. Parlor games. 173,307; Sept. 18; Serial No. 179,383; published June 19, 1923.
Sheppard, Osmond M., Bellingham, Wash. Candy. 173,230; Sept. 18; Serial No. 173,367; published June 19, 1923.
Silveira, Carmo & Companhia, Lisbon, Portugal. Sardines in oil. 173,117; Sept. 18; Serial No. 169,139; published June 12, 1923.
Simmons, Georgia A., Washington, D. C. Preparation for growing hair and the eradication of dandruff. 173,179; Sept. 18; Serial No. 169,829; published June 19, 1923.
Smith & Dove Manufacturing Co., Andover, Mass. Cotton thread. 173,308; Sept. 18; Serial No. 179,230; published June 19, 1923.
Smith, E. T., & Co., assignor to E. T. Smith Company, Worcester, Mass. Coffee. 22,433; renewed Feb. 7, 1923.
Sociedad Anonima Financiera y Comercial Fuhrmann Limitada, Buenos Aires, Argentina. Wool. 173,134; Sept. 18; Serial No. 178,633; published June 19, 1923.
Société P. and A. Picard, Paris, France. Knobs, handles, and finger plates for doors. 173,097; Sept. 18; Serial No. 177,144; published June 12, 1923.
Spoehr's, Chicago, Ill. Candy. 173,167; Sept. 18; Serial No. 139,134; published June 19, 1923.
Spring, C. G., Company, The, Kalamazoo, Mich. Bumpers. 173,103; Sept. 18; Serial No. 177,072; published June 12, 1923.
Standard Oil Company, Whiting, Ind., and Chicago, Ill. Liquid petrolatum. 173,298; Sept. 18; Serial No. 180,249; published June 19, 1923.
Standard Parts Company, The, Cleveland, Ohio. Vehicle springs. 173,122; Sept. 18; Serial No. 161,066; published June 12, 1923.
Star Rubber Company, The, Akron, Ohio. Elastic vehicle tires and inner tubes for pneumatic tires. 173,120; Sept. 18; Serial No. 164,559; published June 12, 1923.
Stehli Silks Corporation, New York, N. Y. Broad silks in the piece and silk and cotton piece goods. 173,187; Sept. 18; Serial No. 168,383; published June 12, 1923.
Stein, S., & Co., New York, N. Y. Woolen cloths in the piece, for suiting, etc. 173,213; Sept. 18; Serial No. 173,259; published June 12, 1923.

Steiner, F., Nfg. Atzgersdorf, near Vienna, Austria. Carriage-lifting jacks, more especially hydraulics. 173,299; Sept. 18; Serial No. 178,878; published June 12, 1923.
Stephano Brothers, Philadelphia, Pa. Cigarettes. 173,133; Sept. 18; Serial No. 178,636; published June 12, 1923.
Stetelman, Louis, doing business as Supreme Products Company, Columbus, Ohio. Malt extract for food purpose. 173,136; Sept. 18; Serial No. 178,298; published June 12, 1923.
Stevens, J., Arms Company, New York, N. Y. Sporting rifles. 173,149; Sept. 18; Serial No. 159,188; published June 19, 1923.
Stevens, J., Arms Company, New York, N. Y. Sporting rifles. 173,158; Sept. 18; Serial No. 159,186; published June 19, 1923.
Stewart Corporation, Chicago, Ill. Writing and drawing surfaces. 173,300; Sept. 18; Serial No. 178,880; published June 12, 1923.
Stewart & Holmes Drug Co., Seattle, Wash. Toothache remedies, citrate of magnesia, seidlitz powders, liquid shampoo soaps, etc. 173,165; Sept. 18; Serial No. 156,760; published Nov. 7, 1922.
Stewart & Holmes Drug Co., Seattle, Wash. Styptic pencils, liquid preparations, liquid compounds, cough drops, tooth paste, etc. 173,240; Sept. 18; Serial No. 162,904; published Oct. 3, 1922.
Stuart & Emerson, Lyndonville, Vt. Ice cream. 173,171; Sept. 18; Serial No. 168,130; published May 22, 1923.
Style-Center Tailoring Company, The, Cincinnati, Ohio. Women's and young women's clothing and garments. 173,204; Sept. 18; Serial No. 172,566; published June 19, 1923.
Submarine Pyorrhea Co. (See Baggett, James A.)
Sugar Cone Manufacturing Corp., Brooklyn, N. Y. Sugar cones. 173,192; Sept. 18; Serial No. 167,538; published June 19, 1923.
Summerour & Son, Vernon, Tex. Farm seeds. 173,110; Sept. 18; Serial No. 171,773; published June 12, 1923.
Supreme Products Company. (See Stetelman, Louis.)
Sweet, Dominick doing business as The Sweet Manufacturing Company, Pittsburgh, Pa. General system tonic. 173,101; Sept. 18; Serial No. 177,115; published June 12, 1923.
Tenny, William H. F., doing business as Tenny Vitalamine Co., Buffalo, N. Y. Tablets for relieving dyspepsia and constipation and increasing strength and vitality. 173,214; Sept. 18; Serial No. 160,644; published June 19, 1923.
Tetralin Gesellschaft mit beschränkter Haftung, Berlin, Germany. Glue, mucilage, and paste. 173,157; Sept. 18; Serial No. 142,041; published June 19, 1923.
Tetralin-Gesellschaft mit beschränkter Haftung, Berlin, Germany. Lubricants and solvents, kerosene, benzine, gasoline, etc. 173,166; Sept. 18; Serial No. 142,040; published June 19, 1923.
Torbay & Dart Paint Co. Limited, The, London, England. Waterproofing compound for cement. 173,115; Sept. 18; Serial No. 169,692; published June 19, 1923.
Tuxedo Shirt Co. Inc., New York, N. Y. Dress, negligee, and work shirts. 173,224; Sept. 18; Serial No. 173,944; published June 19, 1923.
Uncle Wiggily Doll Co., The, New York, N. Y. Dolls simulating animal characters. 173,301; Sept. 18; Serial No. 170,754; published June 19, 1923.
United Turkey Red Company, Limited, Glasgow, Scotland. Cotton yarns. 173,237; Sept. 18; Serial No. 165,838; published June 19, 1923.
Vary Knit Co., Inc., Union Hill, N. J., and New York, N. Y. Woven and knitted cotton, wool, etc., piece goods. 173,218; Sept. 18; Serial No. 174,348; published June 12, 1923.
Voss & Stern, New York, N. Y. Cotton and silk mixture piece goods. 173,247; Sept. 18; Serial No. 160,328; published June 19, 1923.
Voss & Stern, New York, N. Y. Silk piece goods. 173,248; Sept. 18; Serial No. 160,325; published June 19, 1923.
Voss & Stern, New York, N. Y. Cotton piece goods. 173,249; Sept. 18; Serial No. 160,316; published June 12, 1923.
Wailes, Dove & Co., Wailes Dove Bitumastic Ltd., Newcastle-on-Tyne, England, successors. Paints and compositions for protecting iron structures from corrosion. 23,817; renewed Nov. 14, 1923.
Walker, Madam C. J., Mfg. Co., The, Indianapolis, Ind. Hair salve. 173,199; Sept. 18; Serial No. 173,017; published June 19, 1923.
Wall Paper Manufacturers, Limited, The, London, England. Dry, ready-mixed, and paste paints. 173,182; Sept. 18; Serial No. 169,381; published June 19, 1923.
Wallau, Alex. L., New York, N. Y. Knitted wear. 173,197–8; Sept. 18; Serial Nos. 173,018–19; published June 19, 1923.
Walther Manufacturing Co., Philadelphia, Pa. Worsted, woolen, and cotton, etc., piece goods. 173,310; Sept. 18; Serial No. 179,177; published June 12, 1923.
Ward and Pierre. (See Beebe Laboratories, Incorporated.)
Watson, Arthur C., doing business as Nancy Hubbard Company, Los Angeles, Calif. Candy. 173,173; Sept. 18; Serial No. 171,112; published June 26, 1923.
Watson Manufacturing Company, Lancaster, Pa. Poultry-raising appliances. 173,169; Sept. 18; Serial No. 115,304; published June 19, 1923.
Weber Flour Mills Corporation, The, Salina, Kans. Wheat flour. 173,170; Sept. 18; Serial No. 168,505; published Mar. 20, 1923.
Wetmore, L. S., Company, The, Stockton, Calif. Grape juice. 173,305; Sept. 18; Serial No. 179,575; published June 19, 1923.
White, J. J., Chicago, Ill. Face powders, creams, perfumes, toilet waters, etc. 173,105; Sept. 18; Serial No. 177,027; published June 12, 1923.
Wilder & Jacobs, Boston, Mass. Processed coffee. 173,268; Sept. 18; Serial No. 175,045; published June 19, 1923.
Wortendyke Manufacturing Co., Richmond, Va. Toilet paper, paper towels. 173,233; Sept. 18; Serial No. 166,864; published June 19, 1923.
Young, Sverre, Christiania, Norway. Knapsacks, baggage and luggage devices, etc. 173,139; Sept. 18; Serial No. 178,202; published June 19, 1923.
Young, Sverre, Christiania, Norway. Knapsacks, baggage and luggage devices, etc. 173,141; Sept. 18; Serial No. 178,201; published June 19, 1923.
Zoller, William, Company, Pittsburgh, Pa. Skinned and regular hams, breakfast bacon. 173,126; Sept. 18; Serial No. 172,924; published June 5, 1923.
Zorro Tobacco Co., Inc., The, New York, N. Y. Smoking tobacco. 173,147; Sept. 18; Serial No. 177,887; published June 12, 1923.

ALPHABETICAL LIST OF REGISTRANTS OF LABELS.

America Pickle & Canning Company, Hattiesburg, Miss. Miss America. For Stringless Beans. 26,389; Sept. 18.
Anderson, G. H., San Jose, Calif. A. For Fresh Boxed Pears. 26,390; Sept. 18.
Dean, N. E., Courtland, Calif. Market. For Fresh Pears. 26,391; Sept. 18.
Farley Harvey Company, The, Boston, Mass. Priscilla Tissue. For Dry Goods—Namely, Cotton and Linen Cloth. 26,392; Sept. 18.
Gerrard, Virgil M., Los Angeles, Calif. Southern Cross. For Lettuce. 26,393; Sept. 18.
Hoffman Manufacturing Company, Springfield, Ill. Instructions For Installing Hoffman Quick-Change Transmission Band For Ford Cars. For Transmission Bands for Automobiles. 26,394; Sept. 18.
Ivins', J. S., Son, Inc., Philadelphia, Pa. Ivins. For Biscuits. 26,395; Sept. 18.
Karp, Joseph H., New York, N. Y. Noble-Heart. For Soap. 26,396; Sept. 18.
Lewis, Geo. J., Lodi, Calif. Mission-Vineyards. For Fresh Grapes. 26,397; Sept. 18.
Menasha Printing and Carton Company, Menasha, Wis. Ice Cream. For Ice Cream. 26,398; Sept. 18.
Milwaukee Paper Box Company, Milwaukee, Wis. Just Scrumpshus. For Chocolates. 26,399; Sept. 18.
Oppenheim, Oberndorf & Co. Inc., Baltimore, Md. Krinkletex. For Shirts. 26,400; Sept. 18.
Ramirez & Feraud Chile Co., Ventura, Calif. Las Palmas Red Chile Sauce. For Chili Sauce. 26,401; Sept. 18.
Wilkof, Morris, Canton, Ohio. White Flower. For Cigars. 26,402; Sept. 18.
Wolf, Morris, Brooklyn, N. Y. The Little Wonder Spot Chaser. For a Cleansing Fluid. 26,403; Sept. 18.

ALPHABETICAL LIST OF REGISTRANTS OF PRINTS.

De-Fi Manufacturing Company, New York, N. Y. De-Fi Typewriter Paper. For Typewriter Paper. 6,888; Sept. 18.
Lionel Trading Co., Inc., New York, N. Y. Lionel Square Compact. For Compacts. 6,889; Sept. 18.
Mannion & Arthur Co., Perth Amboy, N. J. Shoot the Plugs. For Plugs for Cleaning Condenser Tubes. 6,890; Sept. 18.
Northam Warren Corporation, New York, N. Y. Don't Cut the Cuticle—Keep your nails always lovely the Cutex way. For Manicure Preparations and Implements. 6,891; Sept. 18.
Northam Warren Corporation, New York, N. Y. Have Lovely Nails without Cutting the Cuticle. For Manicure Preparation and Implements. 6,892; Sept. 18.
Squibb, E. R., & Sons, New York, N. Y. A Genuine Achievement for the Better Care of Your Teeth and Gums. For Dental Cream. 6,893; Sept. 18.

ALPHABETICAL LIST OF TRADE-MARK APPLICANTS.

PUBLISHED FOR OPPOSITION.

[Act of Feb. 20, 1905, Sec. 6, as amended Mar. 2, 1907.]

Abraham & Straus, Inc., New York, N. Y. Sheets and pillow cases. 182,279; Sept. 18.
Ackerman & Rosenthal, Inc., Wilmington, Del., and St. Louis, Mo. Ladies' and children's hats. 160,910; Sept. 18.
Adamson, Charles E., doing business as Safetygas & Appliance Company, Wabash, Ind. Denatured alcohol. 179,124; Sept. 18.
Akron Grocery Company, The, Akron, Ohio. Catchup, dried prunes and peaches, shelled popcorn, etc. 175,833; Sept. 18.
Albers Company, Incorporated, Richmond, Va. Cough sirup. 184,048; Sept. 18.
Aldrich, Anthony B., Washington, D. C. License-tag fasteners for automobiles and the like. 181,371; Sept. 18.
Allen, Bona, Inc., Buford, Ga. Horse collars, harness, and harness parts. 182,327; Sept. 18.
Ambridge Knitting Company, Ambridge and Pittsburgh, Pa. Hosiery. 180,680; Sept. 18.
American Hominy Company, Chicago, Ill. Poultry feeds and mash. 178,489; Sept. 18.
American Stock Food Co., The, Blanchester, Ohio. Hog tonic and food. 177,759; Sept. 18.
Apex Electrical Manufacturing Company, The, Cleveland, Ohio. Electrical cooking apparatus. 182,639–41; Sept. 18.
Apollo Shirt Company, New York, N. Y. Dress and top shirts. 176,869; Sept. 18.
Atlantic Refining Company, The, Philadelphia, Pa. Oils, greases, etc. 183,812; Sept. 18.
Babcock, A. P., Co., New York, N. Y. Cold, face, vanishing, and cleansing creams, perfume, sachets, etc. 181,237; Sept. 18.
Ball, F. M., & Company, San Francisco, Calif. Canned deciduous fruits, vegetables, fruit salad, etc. 174,879; Sept. 18.
Barva, Bernard R., Fort Wayne, Ind. Rubber heels for shoes. 164,578; Sept. 18.
Bauer & Black, Chicago, Ill. Gauze and absorbent cotton. 183,355; Sept. 18.
Bearman, William H., Baltimore, Md. Hosiery. 181,973; Sept. 18.
Bechdolt, Jack, and Mabel Bechdolt, doing business as Mabel Claire Studio, New York, N. Y. Candles. 177,427; Sept. 18.
Bechdolt, Mabel. (See Bechdolt, Jack and M.)
Bell Company, The, Worcester, Mass. Woolen, worsted piece goods. 179,769; Sept. 18.
Bermejo, Juan, New York, N. Y. Plain and fancy cakes. 177,582; Sept. 18.
Beuchel, Bertha H., doing business as Beuchel Mfg. Co., St. Louis, Mo. Hair tonic and scalp ointment. 176,158; Sept. 18.
Big Four Chemical Products Co., Indiana Harbor, Ind. Massage cream. 177,583; Sept. 18.
Big Four Chemical Products Co., Indiana Harbor, Ind. External preparation for rheumatism pains, cold in chest, etc. 177,584; Sept. 18.
Birnbaum, Rosenbloom & Yellen, New York, N. Y. Infants' caps. 173,696; Sept. 18.
Bisleri, Felice, & C., Milan, Italy and New York, N. Y. Medicinal bitters and general tonic. 140,825; Sept. 18.
Blue Ribbon Battery Company, Indianapolis, Ind. Battery solutions. 179,651; Sept. 18.
Bowles, Frank A., also doing business as Bowles Bros., Los Angeles, Calif. Cooking oil. 171,897; Sept. 18.
Bowman, Erick Remedy Company, Inc., Owatonna, Minn. Abortion remedy and an insecticide. 166,126; Sept. 18.
Boyd, Martin, & Co., Memphis, Tenn. Wheat flour. 178,589; Sept. 18.
British Cellulose and Chemical Manufacturing Company Limited, London, England. Threads made of cellulose derivatives. 165,002; Sept. 18.
British Glues & Chemicals, Limited, London, England. Glue and gelatin glue. 173,588; Sept. 18.
Camp-Davis-Blair Co. Inc., New York, N. Y. Hosiery, socks, stockings, and underwear. 180,747; Sept. 18.
Campe Corporation, New York, N. Y. Hosiery and knitted underwear. 181,109; Sept. 18.
Cape County Milling Co., Jackson, Mo. Wheat feed, shorts, and corn meal. 179,182; Sept. 18.
Carpenter, Walter M., doing business as Kluk Chemical Co., Minneapolis, Minn. Medicinal tablets for the prevention and treatment of cholera, etc., in fowls. 179,412; Sept. 18.
Catawba Candy Co., The, Sandusky, Ohio. Candy. 182,498; Sept. 18.
Champion Specialties Co. (See Palise, Joseph.)
Charles, Burton R., Los Angeles, Calif. Preparation for energizing circulatory and nervous systems of the human body. 181,474; Sept. 18.
Church, C. F., Manufacturing Co., Holyoke, Mass. Bathroom fixtures. 181,110–11; Sept. 18.
Church-Vance Grocery Co., Peru, Ind. Coffee, rolled oats, cocoa, etc. 173,033; Sept. 18.
Cleveland Chemical Corporation, Wilmington, Del., and Cleveland, Ohio. Polishing materials. 176,949; Sept. 18.
Cohn, Léon, doing business as Les Parfums Forest, Paris, France. Perfume, toilet water, face powder, etc. 177,547; Sept. 18.
Collegiate World Publishing Company, The, Chicago, Ill. Quarterly magazine. 181,730; Sept. 18.
Commander Mill Co., Minneapolis, Minn. Wheat flour. 176,251; Sept. 18.
Commonwealth Chemical Corporation, The, New York, N. Y. Benzoate of soda, coumarin, benzoic acid, etc. 181,435; Sept. 18.
Commonwealth Color & Chemical Co., Brooklyn, N. Y. Bleaching blue, auxiliary dyeing agents, chemical specialties, etc. 179,362; Sept. 18.
Compania de Jarcia de Matanzas S. A., Matanzas, Cuba. Rope and twine. 179,135; Sept. 18.
Concordia Silk Hosiery Company, Philadelphia, Pa. Hosiery. 171,752; Sept. 18.
Consolidated Products Co. (See Leavitt, Peter M.)
Consolidated Products Co., Chicago, Ill. Concentrated buttermilk. 177,364; Sept. 18.
Consolidated Rendering Company, Boston, Mass. Oleo, oleo oil, and shortening. 175,187; Sept. 18.
Cook, Annie F., Richmond, Va. Cooked foods. 167,802; Sept. 18.
Cook, W. C., & Co., Clovis, Calif. Stuffed figs. 183,053; Sept. 18.
Cooperman, Harry, Chicago, Ill. Baby wear, bath robes, jackets, and baby buntings. 176,115; Sept. 18.
Cough Checker Company, Newburgh, N. Y. Cough medicine. 180,363; Sept. 18.
Crane Chocolate Company, The, Cleveland, Ohio. Fruit cake. 167,974; Sept. 18.
Crystal Chemical Company. (See Sterrick, Harrison D.)
Davey Tree Expert Company, The, Kent, Ohio. Wood-preserving paints and shellacs. 183,054; Sept. 18.
Davis, G. M., Regulator Company, Chicago, Ill. Valves, float boxes, etc. 182,088; Sept. 18.
Dorgan-McPhillips Sales Co. Inc., Mobile, Ala. Canned shrimp. 183,258; Sept. 18.
Douglass Caramel Company, Wilmington, Del., and Philadelphia, Pa. Candies. 179,591; Sept. 18.
Du Pont Engineering Company, Wilmington, Del. Metallic alloys. 178,981; Sept. 18.
E. K. Co., The. (See Kraemer, Edmund M.)
Eichbold, Harry C., doing business as Eichbold & Company, New York, N. Y. Handkerchiefs. 183,446; Sept. 18.

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Etablissements Poulenc Frères, Paris, France. Chemical compound. 173,757; Sept. 18.
Fairchild Company, Chicago, Ill. Magazine article 182,853; Sept. 18.
Farmelectric Utilities Corporation. Woodberry, Baltimore, Md. Individual lighting plants. 182,742; Sept. 18.
Fibre Specialty Mfg. Co., Kennett Square, Pa.; Boston, Mass.; New York, N. Y.; Philadelphia, Pa.; St. Louis, Mo., and Chicago, Ill. Vulcanized fiber containers. 180,426; Sept. 18.
Floradel Knitting Mills Inc., New Orleans, La. Socks, stockings, hosiery. 172,798; Sept. 18.
Ford & Company, Brooklyn, N. Y. Fruit preserves. 179,933; Sept. 18.
Ford Flour Company, Wilmington, Del., and Nashville, Tenn. Wheat flour. 177,601; Sept. 18.
Fort Howard Paper Company, Green Bay, Wis. Sanitary napkins. 180,115; Sept. 18.
Foster, Van B., doing business as Fred B. Foster & Company, Los Angeles, Calif. Oil derricks. 181,067; Sept. 18.
Frank & Meyer Neckwear Co., St. Louis, Mo. Neckties, cravats, and scarfs. 168,465; Sept. 18.
Franklin, William B., doing business as Franklin Mfg. Co., Princeton, Ind. Cleaner, polisher, renovator, disinfector for varnish, paint, and enamel. 183,565; Sept. 18.
Frazar & Company, San Francisco, Calif. Canned fruits and vegetables. 183,371; Sept. 18.
Fred Pabst Company, Milwaukee, Wis. Metal pipe nipples. 180,718; Sept. 18.
Freeman, Ralph D., doing business as The Savol Co., Cleveland, Ohio. Enamel finish. 182,205; Sept. 18.
Friedman Bros. & Sons Neckwear Co. Inc., New York, N. Y. Ties, cravats, four-in-hand ties, and bow ties. 181,271; Sept. 18.
Gaffney, Romeo, Coffeyville, Kans. Blood, liver, and system tonic. 181,068; Sept. 18.
Geiger Candy Company, Indianapolis, Ind. Candy. 183,058; Sept. 18.
Geiger Candy Company, Indianapolis, Ind. Candy. 183,060–2; Sept. 18.
Getz, Vernon C., doing business as The Wonderlay Company, Indianapolis, Ind. Chick tonic feed. 177,293; Sept. 18.
Gilbert, A., & Sons Brass Foundry Co., St. Louis, Mo. Brass, aluminum, etc., ingots and castings. 163,515; Sept. 18.
Given, John M., Company, The, New York, N. Y.; Chicago, Ill.; and Pittsburgh, Pa. Hosiery. 180,660; Sept. 18.
Given, John M., Company, The, New York, N. Y.; Chicago, Ill.; and Pittsburgh, Pa. Hosiery. 180,699; Sept. 18.
Goldberg, Fred., doing business as National Extract & Flavor Co., Hoboken, N. J. Hair tonic. 144,812; Sept. 18.
Goodlatte, T. R., & Sons (Inc.), Delawanna, Clifton, N. J. Oilcloth. 183,145; Sept. 18.
Gray, P. N., & Company, Inc., New York, N. Y. Wheat flour. 174,735; Sept. 18.
Great Southern Refining Company, Lexington, Ky. Lubricating oils and greases. 176,078; Sept. 18.
Grenoville, Marie M. Richard Vve., doing business as Parfumerie Grenoville, Asnieres, France. Liquid adhesive toilet powder. 180,370; Sept. 18.
Grocers' Baking Company, Louisville, Ky. Bread. 169,549; Sept. 18.
Groesinger Manufacturing Company, The, Columbus, Ohio. Plumbers' ware. 177,486; Sept. 18.
Gypsy Dyes, Inc., Chicago, Ill. Dyes. 181,486; Sept. 18.
Haas, Baruch & Co., Los Angeles, Calif. Table salt. 181,745; Sept. 18.
Haas Brothers Fabrics Corporation, New York, N. Y. Silk, artificial-silk, cotton, linen, linen and woolen piece goods. 182,343; Sept. 18.
Haas Brothers Fabrics Corporation, New York, N. Y. Silk, cotton, linen, and woolen piece goods. 183,738; Sept. 18.
Haas Brothers Fabrics Corporation, New York, N. Y. Silk, cotton, linen, and woolen piece goods. 183,740; Sept. 18.
Haas Brothers Fabrics Corporation, New York, N. Y. Silk, cotton, etc., piece goods. 183,741–2; Sept. 18.
Hansen's, Chr., Laboratory, Inc., Little Falls, N. Y. House organ published monthly. 180,761; Sept. 18.
Harrisburg Shoe Mfg. Co., Harrisburg, Pa. Shoes. 174,390; Sept. 18.
Hartwell Brothers, Memphis and Hollywood Station, Memphis, Tenn. Tool handles. 182,906–7; Sept. 18.
Hartwell Brothers, Memphis and Hollywood Station, Memphis, Tenn. Tool handles. 182,909–13; Sept. 18.
Hartwell Brothers, Memphis and Hollywood Station, Memphis, Tenn. Tool handles. 182,915; Sept. 18.
Hattiesburg Grocery Co., Hattiesburg, Miss. Self-rising wheat flour. 176,827; Sept. 18.
Hay, Carl A., doing business as The Newton Ice Cream Company, Newton, Kans. Ice cream. 160,938; Sept. 18.
Hebert, R. R., and Son, Geauga Lake, Ohio. Liniment. 173,493; Sept. 18.
Hercules Gasoline Co., Los Angeles, Calif. Gasoline, kerosene, oils, etc. 167,393; Sept. 18.
Hertz, Jacob, doing business as Hertz & Co., London, England. Insect-destroying preparations. 181,596; Sept. 18.
Hill, S. W., and Sons, Morgantown, W. Va. Salve. 181,119; Sept. 18.
Hoegger, Joseph A., Jersey City, N. J. Supports for bathroom and other fixtures. 178,503; Sept. 18.
Hollins, William, & Co. Ltd., London and Mansfield, England. Negligee shirts, collars, pyjamas, etc. 161,005; Sept. 18.
Honeywell Heating Specialties Company, Wabash, Ind. Fluid-pressure regulating and controlling instruments. 175,396; Sept. 18.
Hood River Apple Vinegar Co., Hood River, Oreg. Fruit pectin. 183,213; Sept. 18.
Hulman & Co., Terre Haute, Ind. Spices, peanut butter, boney, etc. 170,819; Sept. 18.
Illinois Meat Company, Chicago, Ill. Meats, hams, bacon, lard, etc. 174,306; Sept. 18.
Imperial Trust for the Encouragement of Scientific and Industrial Research, The, London, England. Thermometers, pyrometers, compasses, etc. 163,983–4; Sept. 18.
Instituto Nazionale Medico Farmacologico, Rome, Italy. Preparation for hypodermic use. 171,848; Sept. 18.
Ipswich Mills, Boston, Mass. Hosiery. 172,334; Sept. 18.
Jaburg Bros., Inc., New York, N. Y. Periodical issued monthly. 182,347; Sept. 18.
Jaden, Fred L., doing business as F. Jaden Manufacturing Co., Hastings, Nebr. Tire pumps, slip-on connections for tire pumps, and air chucks. 181,282; Sept. 18.
Jaikoff Bros. Inc., New York, N. Y. Fur coats, capes, scarfs, etc. 178,505; Sept. 18.
Jenkins Bros. Limited, Montreal, Quebec, Canada. Globe and gate valves. 180,605; Sept. 18.
Jensen & Sons, Watsonville and Corralitos, Calif. Fresh apples. 182,916; Sept. 18.
Jevne, H., Co., Los Angeles, Calif. Coffee, tea, cocoa, biscuit flour, etc. 162,746; Sept. 18.
Johns-Manville, Incorporated, New York, N. Y. Pipe covering. 183,155; Sept. 18.
Johnson, George H., Worcester, Mass. Oily compound for use in treating the surfaces of stoves and furnaces. 178,850; Sept. 18.
Johnson, Mary W., doing business as The Johnson Electric Mfg. Co., Warren, R. I. Fittings for electric conduits. 182,542; Sept. 18.
Johnson, Mary W., doing business as The Johnson Electric Mfg. Co., Warren, R. I. Fittings for electric conduits. 182,823; Sept. 18.
Justi, H. D., & Son, Philadelphia, Pa. Artificial teeth. 181,028; Sept. 18.
Kahn's, E., Sons Company, The, Cincinnati, Ohio. Lard. 165,451; Sept. 18.
Kann, William L., Pittsburgh, Pa. Oranges, bananas, mangoes, canned vegetables, etc. 182,824; Sept. 18.
Kaplan, Martin, Brooklyn, N. Y. Medicines and pharmaceutical preparations. 180,125; Sept. 18.
Katzman, A. M., Corp., New York, N. Y. Perfumes. 180,068; Sept. 18.
Kelley, Frederick W., Glenwood, Iowa. Medicinal preparation used in the treatment of galls, sores, etc., on horses. 181,601; Sept. 18.
Kelsey Textile Corporation, New York, N. Y. Cotton piece goods. 183,747–9; Sept. 18.
Kemp, Walter D., New York, N. Y. Sandwichlike product. 155,352; Sept. 18.
Keystone Steel & Wire Company, Bartonville, Peoria, Ill. Wire fence and barbed wire. 180,935; Sept. 18.
Keystone Steel & Wire Company, Bartonville, Peoria, Ill. Wire fence and barbed wire. 180,655; Sept. 18.
Keystone Steel & Wire Company, Bartonville, Peoria, Ill. Plain galvanized wire and galvanized telephone wire. 184,730–1; Sept. 18.
King, John P., Manufacturing Co., The, Augusta, Ga. Cotton piece goods. 166,373; Sept. 18.
Klein, L., Inc., Chicago, Ill. Wheat flour, canned fruits, vegetables, etc. 174,310; Sept. 18.
Kleiner, Theodore, doing business as Lemon Products Company, Santa Barbara, Calif. Salve and lotion for the skin and scalp. 180,124; Sept. 18.
Kluk Chemical Co. (See Carpenter, Walter M.)
Kockos Bros., Inc., San Francisco, Calif. Canned fruits, vegetables, and fish. 183,216–17; Sept. 18.
Kohr Mfg. Co., Middletown, Pa. Medicinal preparation for treatment of eczema, tetter, etc. 179,732; Sept. 18.
Kops Bros., New York, N. Y. Corsets, brassières, and underwear for women. 174,248–50; Sept. 18.
Kotzin, Theodore, Los Angeles, Calif. Outing and work clothing. 164,252; Sept. 18.
Kraemer, Edmund M., doing business as The E. K. Company, Philadelphia, Pa. Preparation for hay fever and rose cold. 179,606; Sept. 18.
Kusaka, T., San Jose, Calif. Medicine for the skin. 180,981. Sept. 18.
Lake Shore Elevator Company, The, Cleveland, Ohio. Animal feeds. 177,562; Sept. 18.

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Leavitt, Peter M., doing business as Consolidated Products Co., Boston, Mass. Wheat flour. 171,091; Sept. 18.
Lemon Products Company. (See Kleiner, Theodore.)
Les Parfums Forest. (See Cohn, Léon.)
Levey Printing Company, Indianapolis, Ind. Paper, bank-note wrappers, blank books. 173,505; Sept. 18.
Lincoln Laboratories, Inc., Chicago, Ill. Beauty clay. 179,308; Sept. 18.
Lind Shoe and Slipper Company, Worcester, Mass. Slippers. 181,632; Sept. 18.
Lion Oil Company. (See Wirick, Carey G.)
Lion, Oscar, doing business as Lion and Company, New York, N. Y. Silk and cotton ribbon in the piece. 182,249; Sept. 18.
Logan Baking & Creamery Co. (See Rose, Alex.)
Lottman Medicine Company, Cairo, Ill. Proprietary medicines for treatment of indigestion, sour stomach, etc. 179,009; Sept. 18.
Luden, Wm. H., Inc., Reading, Pa. Candy. 180,541; Sept. 18.
Luden, Wm. H., Inc., Reading, Pa. Marshmallow candies. 183,308; Sept. 18.
McCall, John O., doing business as The Odontex Company, Buffalo, N. Y. Tooth powder and paste and mouth wash. 181,606; Sept. 18.
McClure, J. W., Cleveland, Ohio. Magazine or pamphlet. 180,482; Sept. 18.
McElwain, W. H., Company, doing business as McElwain, Hutchinson & Winch, Boston, Mass. Leather boots, shoes, and slippers. 176,903; Sept. 18.
Mable Claire Studio. (See Bechdolt, Jack and M.)
MacLean Drug Company, Chicago, Ill. Patent medicines. 172,845; Sept. 18.
Magnus Imports, Ltd., New York, N. Y. Clothing. 180,871; Sept. 18.
Mandl, Kaufmann, Casa Grande, Ariz. Handkerchiefs. 183,580; Sept. 18.
Marett, Ruby E., New York, N. Y. Beverages, fruit sirups, extracts, and flavorings for the same. 184,412; Sept. 18.
Marbello Company, La Crosse, Wis. Bleaching paste for whitening face, neck, arms, and hands. 181,533; Sept. 18.
Marmola Company, Detroit, Mich. Deodorant. 178,621; Sept. 18.
Marrus, Isaac I., Scranton, Pa. Suits, overcoats, sheepskin coats, pants, etc. 177,310; Sept. 18.
Mars Grand Rug Co., The, Pawtucket, R. I. Rugs, carpets, and other textile floor coverings. 183,390; Sept. 18.
Martin Brothers Company, Minneapolis, Minn. Shirts, overalls, pants, jackets, etc. 154,611½; Sept. 18.
Masol Chemical Co., Chicago, Ill. Toilet preparations. 181,760; Sept. 18.
May, D. B., doing business as D. B. May Hosiery Mills, Burlington, N. C. Hosiery. 178,562; Sept. 18.
Melville Shoe Corporation, New York, N. Y. Leather shoes. 182,000; Sept. 18.
Middleby, Jos., Jr., Inc., Boston, Mass. Whipping powder for use in the manufacture of icings, etc. 176,199; Sept. 18.
Miller Brothers, New York, N. Y. Ladies' dresses, bath robes, aprons, negligees. 166,841; Sept. 18.
Mincey Manufacturing Company, Gainsville, Ga. Dress and work shirts, underwear. 180,982; Sept. 18.
Minneapolis Milling Co., Minneapolis, Minn. Wheat flour. 175,939; Sept. 18.
Misewicz, John, Charleroi, Pa. Foot powder. 180,443; Sept. 18.
Montevallo Mining Company, Birmingham, Ala. Coal. 182,355; Sept. 18.
Montgomery, Ada, Kansas City, Mo. Preparation for the growth of the hair. 178,055; Sept. 18.
Morgan, Clarence, doing business as Clarence Morgan & Co., Chicago, Ill. Acetanilid, acetone, alum, ammonia, etc. 175,206; Sept. 18.
Moskowitz, Joseph, New York, N. Y. Pastry flour. 176,416; Sept. 18.
Moss Brothers, New York, N. Y. Silk goods in the piece. 170,444; Sept. 18.
National Extract & Flavor Co. (See Goldberg, Fred.)
National Federation of Uncle Sam's Voters, Washington, D. C. Monthly publication. 182,218; Sept. 18.
National Licorice Company, Brooklyn, N. Y. Licorice candy. 183,041; Sept. 18.
National Radium Co., Los Angeles, Calif. Liquid medicinal compound used for the treatment of rheumatism, neuralgia, sciatica, etc. 181,766; Sept. 18.
Nestlé & Anglo-Swiss Condensed Milk Co., Cham and Vevey, Switzerland. Café au lait. 157,627; Sept. 18.
Nestlé & Anglo-Swiss Condensed Milk Co., Cham and Vevey, Switzerland. Concentrated milk without sugar. 157,628; Sept. 18.
Nestlé & Anglo-Swiss Condensed Milk Co., Cham and Vevey, Switzerland. Condensed milk. 157,629; Sept. 18.
New England Confectionery Company, Boston, Mass. Candy. 182,256; Sept. 18.
Newton Ice Cream Co. (See Hay, Carl A.)
Niedzielski, Albert W., Chicago, Ill. Purgative tea in dry form. 180,384; Sept. 18.
Nolyec Laboratories, Chicago, Ill. Emulsion used in treating constipation. 181,767; Sept. 18.
Nolyec Laboratories, Chicago, Ill. Emulsion used in treating constipation. 181,769; Sept. 18.
Norton, Willis, & Co., North Topeka, Kans. Wheat flour. 179,949; Sept. 18.
Nu-Pep Company, The. (See Palmer, John W.)
Odontex Company, The. (See McCall, John O.)
Optical Products Corporation, New York, N. Y. Frames, rims, nose pieces, and celluloid appliances for eyeglasses. 178,184; Sept. 18.
Pacific Malt & Hop Co. Inc., Brooklyn, N. Y. Pure malt extract for food purposes. 152,767; Sept. 18.
Palise, Joseph, doing business as Champion Specialties Co., Brooklyn, N. Y. Liquid polish and shellac. 183,226; Sept. 18.
Palmer, John W., doing business as The Nu-Pep Company, Chicago, Ill. Nonalcoholic beverages. 180,386; Sept. 18.
Palumbo, J. C., Payette, Idaho. Fresh apples. 182,928; Sept. 18.
Pangburn Company, also doing business as Pangburn's, Fort Worth, Tex. Candy. 183,538; Sept. 18.
Papyrus Company, The, Kenilworth, N. J. Crêpe paper. 182,221; Sept. 18.
Paraffine Companies, The, San Francisco, Calif. Flat undercoat paint. 183,588; Sept. 18.
Paraffine Companies, The, San Francisco, Calif. Flat undercoat paint. 183,591; Sept. 18.
Parke, Davis & Company, Detroit, Mich. Medicine for whooping cough, bronchitis, tuberculosis, etc. 181,612; Sept. 18.
Passaic Print Works, Passaic, N. J. Cotton piece goods. 156,412; Sept. 18.
Paulson, Anna, New York, N. Y. Candies, pastries, breads, and cakes. 170,538; Sept. 18.
Pedigreed Products Corporation, Elmira, N. Y. Nuts and peanut butter. 176,647; Sept. 18.
Pennsylvania Salt Manufacturing Company, Philadelphia, Pa. Lye. 176,094; Sept. 18.
Perrotti, Mario T., doing business as Perrotti Drug Company, Providence, R. I. Preparation for the treatment of corns. 181,216; Sept. 18.
Petrie, William K., Dundee, Scotland. Floor polish. 166,091; Sept. 18.
Pletzuch Wonder Arch Guide Heel Company, The, Cincinnati, Ohio. Heels made of rubber or analogous material. 143,996; Sept. 18.
Plant, Thomas G., Company, Boston, Mass. Hosiery. 181,958; Sept. 18.
Point Waist Band Company, Inc., New York, N. Y. Waistband. 161,651; Sept. 18.
Pollock-Schultz-Boyd Company, Los Angeles, Calif. Pants, knickers, shirts, suits, underwear, etc. 181,311; Sept. 18.
Pond, Harry A., Bay City, Mich. Pile remedy. 179,425; Sept. 18.
Poor, Charles L., Co., New York, N. Y. Cotton piece goods. 176,040; Sept. 18.
Price, Anna M., New York, N. Y. Sanitary covers for toilet seats. 181,088; Sept. 18, 1923.
Priess, William H., New York, N. Y. Electrical apparatus. 173,721; Sept. 18.
Procter and Gamble Company, The, Cincinnati, Ohio. Cottonseed oil, salad oils, oleomargarine, etc. 177,996; Sept. 18.
Pure Oil Company, The, Columbus, Ohio. Gasoline, kerosene, fuel oil, etc. 159,284; Sept. 18.
Quaker Oats Company, The, Chicago, Ill. Rolled wheat and wheat and bran flour. 170,214; Sept. 18.
Reading Underwear Co., Reading, Pa. Ladies' and girls' knit underwear. 179,554; Sept. 18.
Reading Underwear Co., Reading, Pa. Boys' knit underwear. 179,555; Sept. 18.
Reed Oil Company, Rogers, Ark. Lubricating oils and greases. 176,365; Sept. 18.
Reed Roller Bit Co., Houston, Tex. Rotary drill bits, reamers, fishing tools for wells. 159,055; Sept. 18.
Regulation Paint Co., Louisville, Ky. Ready-mixed paints. 183,596–7; Sept. 18.
Republican Women of Pennsylvania, Incorporated, Philadelphia, Pa. Periodical published at monthly intervals. 182,610; Sept. 18.
Richmond Hosiery Mills, Rossville, Ga. Hosiery. 176,571; Sept. 18.
Rose, Alex, doing business as Logan Baking & Creamery Co., Logan, W. Va. Bread, cakes, and pies. 175,887; Sept. 18.
Rosso, Charles J., Duluth, Minn. Candy. 183,317; Sept. 18.
Rubberhide Company, Boston, Mass. Boots and shoes. 170,992; Sept. 18.
Safetygas & Appliance Company. (See Adamson, Charles E.)
Sager, S. J., Company, Inc., The, Syracuse, N. Y. Knitted garments. 156,934; Sept. 18.
Saklad, William, Boston, Mass. Foot-massaging devices. 183,124; Sept. 18.

PUBLISHED FOR OPPOSITION.

[Act of Feb. 20, 1905, Sec. 6, as amended Mar. 2, 1907.]

Salant & Salant, Inc., New York, N. Y. Men's and boys' shirts and boys' blouses. 179,821; Sept. 18.
Samson's Hair Tonic Company. (See Zebich, Petar.)
Sandvikens Jernverks Aktiebolag, Sandviken, Sweden. Springs and steel tubing. 178,871; Sept. 18.
Savol Co., The. (See Freeman, Ralph D.)
Schaffner Brothers Company, Erie, Pa. Lard. 169,930; Sept. 18.
Schnittker, Henry A., St. Louis, Mo. Coffee, tea, and other substitutes. 176,858; Sept. 18.
Schoonmaker Bros., & Company, Inc., New York, N. Y. Silk fabrics in the piece. 182,360; Sept. 18.
Schroeder & Worth, New York, N. Y. Dresses, coats, and suits. 159,820; Sept. 18.
Scientol Products Co., Brooklyn, N. Y. Hair tonic. 181,455; Sept. 18.
Shannon, John C., London, England. Men's, youths', boys', and ladies' clothing. 180,398; Sept. 18.
Shansby, Joseph B., Seattle, Wash. Caps, sweaters, leggings, scarfs, bathing suits, hose, gloves. 178,534; Sept. 18.
Sherman & Lebair, Incorporated, New York, N. Y. Hosiery, boots, shoes, overalls, and rompers. 174,492; Sept. 18.
Sims Milling Company, Frankfort, Ind. Cereal made from wheat. 179,229; Sept. 18.
Snyder, Harry, doing business as Harry Snyder & Company, Chicago, Ill. Live and dressed poultry, butter, eggs. 159,625; Sept. 18.
Société Anonyme Dentifrices Bi-Oxyne, Paris, France. Dentifrices and products used for the hygiene of the mouth. 181,705; Sept. 18.
Societe Anonyme pour l'Expansion des Marques de Fabrique et de Commerce, Courbevoie, France. Preparation for syphilis, tabes, and general paralysis. 181,355; Sept. 18.
Spaulding-Moss Company, Boston, Mass. Drawing instruments and accessories, surveyors' instruments. 175,890; Sept. 18.
Square Baking Company, The, Cleveland, Ohio. Bread. 179,233; Sept. 18.
Standard Knitting Mills, The, Los Angeles, Calif. Knitted sweaters, bathing suits, scarfs, caps, etc. 181,424; Sept. 18.
Stein, A., & Company, Chicago, Ill. Sanitary aprons and belts. 183,002; Sept. 18.
Sterrick, Harrison D., doing business as Crystal Chemical Company, Pittsburgh, Pa. Combination of healing and medicinal oils and antiseptics. 163,356; Sept. 18.
Sun Oil Company, Philadelphia, Pa. Spraying oil. 180,562; Sept. 18.
Sunkist Lemon Pie Company, Chicago, Ill. Lemon-meringue pies. 178,576; Sept. 18.
Szlber, Steve A. D., New York, N. Y. Medicine for tuberculosis, etc. 180,508; Sept. 18.
Takamine Laboratory, Inc., Clifton, N. J., and New York, N. Y. Starch solvents. 161,285; Sept. 18.
Toops, Noble C., doing business as Toops Bros., Chicago, Ill. Scissors. 162,218; Sept. 18.
Turner & Seymour Manufacturing Co., The, Torrington, Conn. Furniture slides. 181,922; Sept. 18.
Union Bakery, Marion, Ohio. Bread. 179,691; Sept. 18.
United States Rubber Company, New Brunswick, N. J., and New York, N. Y. Felt slippers. 177,753; Sept. 18.
Vanity Fair Company, Memphis, Tenn. Face cream, face powder, lip pencil, rouge, shampoo, etc. 180,991; Sept. 18.
Vignes-Bombet Grocer Co., Inc., Baton Rouge, La. Wheat flour. 178,645; Sept. 18.
Vigorex Company. (See Whitney, Henry A.)
Wallace & Tiernan Pando Co., Inc., Belleville, N. J. Food shortening. 183,782; Sept. 18.
Wallach Bros., New York, N. Y. Shirts, collars, underwear. 169,569; Sept. 18.
Weber, David, & Co., Philadelphia, Pa. Corrugated boxes, envelopes, etc. 180,511; Sept. 18.
Weldfast System, Inc., Salem, Mass. Cartons and boards. 182,324; Sept. 18.
West Coast Kalsomine Company, Berkeley, Calif. Cold-water paints. 180,727; Sept. 18.
West Coast Kalsomine Company, Berkeley, Calif. Calcimine. 180,729; Sept. 18.
West India Oil Company, Bayonne, N. J. Oils, greases, candles. 183,681; Sept. 18.
White, Ray B., doing business as The R. B. White Co., Bigwells, Tex. Wooden hampers. 178,686; Sept. 18.
Whitney, Henry A., doing business as The Vigorex Co., Woonsocket, R. I. Beverage and a sirup for making same. 168,285; Sept. 18.
Wilton Manufacturing Company, Inc., New York, N. Y. Cotton piece goods. 183,786–7; Sept. 18.
Wirick, Carey G., doing business as Lion Oil Company, Chicago, Ill. Petroleum, kerosene, gasolene, etc. 179,910; Sept. 18.
Wonderlay Company, The. (See Getz, Vernon C.)
Youngstown Sheet and Tube Company, The, Youngstown, Ohio. Electric wiring. 182,845; Sept. 18.
Yount, Susie B., Louisville, Ky. System tonic. 177,809; Sept. 18.
Yurcich, Fred, Farrell, Pa. Reels upon which wire is wound. 162,233; Sept. 18.
Zebich, Petar, doing business as Samson's Hair Tonic Company, Cleveland, Ohio. Hair tonic. 180,460; Sept. 18.
Zimmerman, Franklyn M., Pittsburgh, Pa. Lubricating oils. 182,031; Sept. 18.
Zinn Chemical Co., Oakland, Calif. Laxative sirup, horehound, honey, and tar sirup, blood purifier, etc. 180,731; Sept. 18.

CLASSIFIED LIST OF TRADE-MARKS REGISTERED.

CLASS 1.

Coal. Central Indiana Coal Co. 173,306; Sept. 18; Serial No. 179,516; published June 19, 1923.
Coal, coke, and charcoal. M. R. Segall. 173,311; Sept. 18; Serial No. 179,169; published June 19, 1923.
Seeds, Farm. Summerour & Son. 173,110; Sept. 18; Serial No. 171,773; published June 12, 1923.
Shell and grit. East Coast Trading Co. 173,196; Sept. 18; Serial No. 173,075; published June 19, 1923.
Wool. Sociedad Anonima Financiera y Comercial Fuhrmann Limitada. 173,134; Sept. 18; Serial No. 178,633; published June 19, 1923.

CLASS 2.

Bags, Cotton, burlap, and paper. Bemis Bro. Bag Company. 173,156; Sept. 18; Serial No. 145,544; published June 19, 1923.
Cups, Paper. Mayer Coating Machines Co. 173,185; Sept. 18; Serial No. 169,028; published June 19, 1923.

CLASS 3.

Knapsacks, baggage and luggage devices, etc. S. Young. 173,139; Sept. 18; Serial No. 178,202; published June 19, 1923.
Knapsacks, baggage and luggage devices, etc. S. Young. 173,141; Sept. 18; Serial No. 178,201; published June 19, 1923.

CLASS 5.

Glue, mucilage, and paste. Tetralin Gesellschaft mit beschränkter Haftung. 173,157; Sept. 18; Serial No. 142,041; published June 19, 1923.

CLASS 6.

Antirheumatic. Merck & Co. 173,102; Sept. 18; Serial No. 177,096; published June 12, 1923.
Coal-tar crudes, intermediates, dyestuffs, dyes, etc. National Aniline & Chemical Company. 173,271; Sept. 18; Serial No. 174,971; published June 12, 1923.
Corn remedy. D. I. Kanter. 173,168; Sept. 18; Serial No. 173,221; published May 15, 1923.
Creams, Face. Beebe Laboratories, Incorporated. 173,202; Sept. 18; Serial No. 172,724; published June 19, 1923.
Dentifrices. N. M. Hopkins. 173,221; Sept. 18; Serial No. 174,207; published June 19, 1923.
Dyes and dyestuffs. Grasselli Chemical Company. 173,125; Sept. 18; Serial No. 157,922; published June 12, 1923.
Facial packs. Parisian Specialty Co. 173,210; Sept. 18; Serial No. 171,382; published June 19, 1923.
Food or peptone, Artificially-digested. Fairchild Bros. & Foster. 23,467; renewed Aug. 8, 1923.
Foot-bath preparation. Kingsbury Company. 173,118; Sept. 18; Serial No. 167,995; published June 5, 1923.
Germicides, disinfectants, and other deodorizing preparations. Chemische Fabrik auf Actien, (vormals E. Schering). 23,629; renewed Sept. 19, 1923.
Hair and scalp, Preparation for use in the treatment of. Mrs. E. A. Blake. 173,190; Sept. 18; Serial No. 167,797; published June 26, 1923.
Hair salve. Madam C. J. Walker Mfg. Co. 173,199; Sept. 18; Serial No. 173,017; published June 19, 1923.
Insecticide. Kil-Tone Company. 173,099; Sept. 18; Serial No. 177,130; published June 12, 1923.
Liniments. W. A. McGuire. 173,264; Sept. 18; Serial No. 175,365; published June 19, 1923.
Medicinal preparation. Granger Mineral Co. 173,270; Sept. 18; Serial No. 175,014; published June 19, 1923.
Oils for the treatment of disorders of the throat, lungs, etc., Aromatic. H. G. Connolly. 173,108; Sept. 18; Serial No. 176,952; published June 12, 1923.

Ointment. W. N. Hunter and Co. 173,100; Sept. 18; Serial No. 177,128; published June 12, 1923.
Pastes and powders for the teeth, skin, and hair, and perfumery. Parfumerie Roger & Gallet. 173,109; Sept. 18; Serial No. 171,866; published June 5, 1923.
Pharmaceutical preparations for promoting the growth of hair. Aktiengesellschaft für Chemische Produkte vormals H. Scheidemandel. 173,111; Sept. 18; Serial No. 171,565; published June 12, 1923.
Pharmaceutical product used as a deodorant antiseptic for wounds, etc. Knöe & Co., Aktiengesellschaft. 173,150; Sept. 18; Serial No. 155,695; published Sept. 26, 1922.
Powder, Toilet. E. Fougera & Co., 173,104; Sept. 18; Serial No. 177,038; published June 12, 1923.
Powders, creams, perfumes, toilet waters, etc. J. J. White. 173,165; Sept. 18; Serial No. 177,027; published June 12, 1923.
Powders, creams, perfumes, toilet waters, rouge, hair tonics, etc., Face. S. Holway. 173,094; Sept. 18; Serial No. 177,299; published June 12, 1923.
Preparation for growing hair and eradication of dandruff. G. A. Simmons. 173,179; Sept. 18; Serial No. 169,829; published June 19, 1923.
Preparation to prevent annoyance by flies and vermin of live stock, Liquid. Fly-Like Company. 173,107; Sept. 18; Serial No. 176,959; published June 12, 1923.
Remedies for tobacco habit, etc. H. J. Brown Medicine Company. 173,123; Sept. 18; Serial No. 160,332; published June 12, 1923.
Remedy, Anticholera and tonic. M. B. Scala. 23,850; renewed Nov. 21, 1923.
Remedy, Anticholera and tonic. M. B. Scala. 23,898–9; renewed Dec. 5, 1923.
Remedy for expectant mothers, Herbal. H. M. Macdonald. 173,164; Sept. 18; Serial No. 157,492; published June 19, 1923.
Salt. Capell Salt Company. 173,201; Sept. 18; Serial No. 172,974; published June 26, 1923.
Salve for piles, burns, and open sores. I. Rochon. 173,225; Sept. 18; Serial No. 173,725; published June 26, 1923.
Styptic pencils, liquid preparations and compounds, cough drops, etc. Stewart & Holmes Drug Co. 173,240; Sept. 18; Serial No. 162,964; published Oct. 3, 1922.
Tablets for relieving dyspepsia and constipation, etc. W. H. F. Tenny. 173,244; Sept. 18; Serial No. 160,644; published June 19, 1923.
Toilet preparations. A. Overton. 173,245; Sept. 18; Serial No. 160,560; published Nov. 28, 1922.
Tonic for cats and kittens. Knox Pharmacal Company. 173,098; Sept. 18; Serial No. 177,131; published June 12, 1923.
Tonic, General system. D. Sweet. 173,101; Sept. 18; Serial No. 177,115; published June 12, 1923.
Toothache remedies, citrate of magnesia, seidlitz powders, etc. Stewart & Holmes Drug Co. 173,165; Sept. 18; Serial No. 156,760; published Nov. 7, 1922.
Tooth paste. W. D. Gill. 173,106; Sept. 18; Serial No. 176,962; published June 12, 1923.
Tooth paste or dental cream. J. A. Baggett. 173,255; Sept. 18; Serial No. 179,452; published June 12, 1923.

CLASS 9.

Rifles, Sporting. J. Stevens Arms Company. 173,149; Sept. 18; Serial No. 159,188; published June 19, 1923.
Rifles, Sporting. J. Stevens Arms Company. 173,158; Sept. 18; Serial No. 159,186; published June 19, 1923.

CLASS 12.

Buildings and metal for doors and locks, Metal material for portable. L. S. Frost. 173,093; Sept. 18; Serial No. 177,665; published June 12, 1923.
Cement, Portland. Nebraska Cement Company. 173,091; Sept. 18; Serial No. 177,687; published June 12, 1923.
Cement, Waterproofing compound for. Torbay & Dart Paint Co. Limited. 173,115; Sept. 18; Serial No. 169,692; published June 19, 1923.
Roofing compounds, Plastic. Asbestos, Limited. 173,095; Sept. 18; Serial No. 177,263; published June 12, 1923.
Roofing materials. S. F. Frazer. 173,112; Sept. 18; Serial No. 171,417; published June 12, 1923.

CLASS 13.

Egg slicers and cake forms. S. Robert. 173,193; Sept. 18; Serial No. 173,246; published June 19, 1923.
Knobs, handles, and finger plates for doors. Société P. and A. Picard. 173,097; Sept. 18; Serial No. 177,144; published June 12, 1923.
Spring shackle bolts, nuts, and metal washers. Continental Auto Parts Company. 173,178; Sept. 18; Serial No. 170,475; published June 19, 1923.
Toilet or closet seat, Type of. Germain Brothers Company. 173,127; Sept. 18; Serial No. 172,874; published June 12, 1923.

CLASS 14.

Steel forgings, rail anchors, rail-anchor springs, etc. Canton Forge & Axle Company. 173,096; Sept. 18; Serial No. 177,215; published June 12, 1923.
Steel rods suitable for the making of taps and small tools. Globe Wire Co. 173,215; Sept. 18; Serial No. 174,773; published June 19, 1923.

CLASS 15.

Lubricants and solvents, kerosene, benzine, gasoline, etc. Tetralin-Gesellschaft mit beschränkter Haftung. 173,166; Sept. 18; Serial No. 142,040; published June 19, 1923.
Oils and greases, Lubricating. Cato Oil and Grease Co. 173,309; Sept. 18; Serial No. 179,293; published June 19, 1923.
Oils and greases, Lubricating. Dixie Oil & Grease Company. 173,234; Sept. 18; Serial No. 166,659; published June 19, 1923.
Petrolatum, Liquid. Standard Oil Company. 173,298; Sept. 18; Serial No. 180,249; published June 19, 1923.

CLASS 16.

Lacquers and enamels. E. I. du Pont de Nemours & Company. 173,241; Sept. 18; Serial No. 162,384; published June 19, 1923.
Paints. Wall Paper Manufacturers Limited. 173,182; Sept. 18; Serial No. 169,381; published June 19, 1923.
Paints and compositions. Wailes, Dove & Co. 23,817; renewed Nov. 14, 1923.

CLASS 17.

Bumpers. C. G. Spring Company. 173,103; Sept. 18; Serial No. 177,072; published June 12, 1923.
Cigarettes. Philip Morris & Co. Ltd. 173,131; Sept. 18; Serial No. 179,416; published June 12, 1923.
Cigarettes. Stephano Brothers. 173,133; Sept. 18; Serial No. 178,636; published June 12, 1923.
Cigars. R. Schwartz. 173,254; Sept. 18; Serial No. 179,486; published June 12, 1923.
Tobacco products. Zorro Tobacco Co. 173,147; Sept. 18; Serial No. 177,887; published June 12, 1923.

CLASS 19.

Car roof, Railway-. Hutchins Car Roofing Company. 173,092; Sept. 18; Serial No. 177,669; published June 12, 1923.
Springs, Vehicle. Standard Parts Company. 173,122; Sept. 18; Serial No. 161,066; published June 12, 1923.

CLASS 20.

Floor covering. Empire Carpet Co. 173,289; Sept. 18; Serial No. 179,092; published June 19, 1923.

CLASS 22.

Dolls. American Character Doll Co. 173,314; Sept. 18; Serial No. 179,130; published June 19, 1923.
Dolls. Mah-Jongg Sales Company of America. 173,304; Sept. 18; Serial No. 179,614; published June 19, 1923.
Dolls. Uncle Wiggily Doll Co. 173,301; Sept. 18; Serial No. 179,754; published June 19, 1923.
Dolls, Combination headdress and waistband for. A. Corenson. 173,279; Sept. 18; Serial No. 179,840; published June 19, 1923.
Game, Educational puzzle. Alpha Game & Toy Company. 173,219; Sept. 18; Serial No. 174,275; published June 19, 1923.
Games, Parlor. G. W. Sheppard. 173,307; Sept. 18; Serial No. 179,383; published June 19, 1923.
Golf clubs. L. L. Scott. 173,302; Sept. 18; Serial No. 179,746; published June 19, 1923.

CLASS 23.

Bits and augers. Irwin Auger Bit Company, The. 173,295–7; Sept. 18; Serial Nos. 179,098–100; published June 19, 1923.
Bits and augers. Irwin Auger Bit Company. 173,315–7; Sept. 18; Serial Nos. 179,101–3; published June 19, 1923.
Carriage-lifting jacks. F. Steiner Mfg. 173,299; Sept. 18; Serial No. 178,878; published June 12, 1923.
Cutting machines for use in the manufacture of hats. Purbrow & Hearne. 173,275; Sept. 18; Serial No. 174,822; published June 19, 1923.
Engines, Appliance for lubricating and cooling internal-combustion. Lubi Kool Company. 173,312; Sept. 18; Serial No. 179,156; published June 19, 1923.
Knives and forks, Table, kitchen, butcher, and bunting. K. E. Porter. 173,195; Sept. 18; Serial No. 173,106; published June 19, 1923.
Road-building machinery, metal-working equipment, etc. Little Giant Company. 173,252; Sept. 18; Serial No. 159,210; published June 19, 1923.
Sharpening machines, Knife and edge-tool. Ace Hardware Manufacturing Corporation. 173,207; Sept. 18; Serial No. 172,314; published June 12, 1923.
Wrenches, pliers, hammers, etc. Herbrand Company. 173,303; Sept. 18; Serial No. 179,729; published June 19, 1923.

CLASS 25.

Automobile locks. R. Huber. 173,250; Sept. 18; Serial No. 160,287; published June 19, 1923.

CLASS 26.

Gauges, Liquid. Akron Safe Company. 173,256; Sept. 18; Serial No. 157,016; published June 12, 1923.
Holding and measuring apparatus for stone, gravel, etc. Erie Steel Construction Company. 173,212; Sept. 18; Serial No. 171,308; published June 19, 1923.

Spectacles, eyeglasses, and ophthalmic lenses. American Optical Company. 173,257; Sept. 18; Serial No. 140,766; published June 12, 1923.

CLASS 29.

Powder puffs. C. M. Berman. 173,220; Sept. 18; Serial No. 174,230; published June 19, 1923.

CLASS 32.

Bed springs. Cleveland Wire Spring Company. 173,258; Sept. 18; Serial No. 175,465; published May 15, 1923.

CLASS 33.

Glassware, Illuminating. Oscar O., Friedlaender Co. 173,232; Sept. 18; Serial No. 173,280; published June 12, 1923.

CLASS 34.

Boilers, furnaces, and heaters, etc., Steam. Alexander Morrison & Company. 173,246; Sept. 18; Serial No. 160,456; published June 19, 1923.
Ventilators, Industrial. American Larson Ventilating Co. 173,112; Sept. 18; Serial No. 178,157; published June 12, 1923.
Water-heating apparatus and parts thereof. Ferguson and Lange Foundry Company. 173,116; Sept. 18; Serial No. 169,580; published June 12, 1923.

CLASS 35.

Belting, hose, and packing, Machinery. Manhattan Rubber Mfg. Co. 173,243; Sept. 18; Serial No. 160,825; published June 19, 1923.
Rings, Piston. Bailey & Company. 173,313; Sept. 18; Serial No. 179,131; published June 19, 1923.
Tires and inner tubes, Adhesive patches for automobile. Iron Clad Patch Laboratories Inc. 173,113; Sept. 18; Serial No. 171,083; published June 12, 1923.
Tires, and inner tubes for pneumatic tires, Elastic vehicle. Star Rubber Company. 173,120; Sept. 18; Serial No. 164,559; published June 12, 1923.

CLASS 37.

Albums. G. Gennert, Inc. 173,262; Sept. 18; Serial No. 175,423; published June 12, 1923.
Labeling clips for use with loose-leaf binders. Benj. D. Benson & Sons, Inc., 173,152; Sept. 18; Serial No. 152,536; published June 19, 1923.
Paper. Coy, Hunt and Company. 173,132; Sept. 18; Serial No. 179,399; published June 12, 1923.
Paper and towels, Toilet. Wortendyke Manufacturing Co. 173,233; Sept. 18; Serial No. 166,864; published June 19, 1923.
Paperboard. Philadelphia Paper Manufacturing Company. 173,273; Sept. 18; Serial No. 174,855; published June 19, 1923.
Paper, Glassine, greaseproof, imitation-parchment, writing, wrapping, etc. C. McDowell. 173,253; Sept. 18; Serial No. 179,619; published June 12, 1923.
Paper in sheets and rolls, Book and alkaliproof, etc. New York & Pennsylvania Company. 173,119; Sept. 18; Serial No. 167,922; published June 12, 1923.
Papers, Bond. Exline & Exline Co. 173,229; Sept. 18; Serial No. 173,411; published Apr. 24, 1923.
Papers, lining paper, and fly sheets, Blank. Levey Printing Company. 173,227; Sept. 18; Serial No. 173,504; published May 29, 1923.
Writing and drawing surfaces. Stewart Corporation. 173,300; Sept. 18; Serial No. 178,880; published June 12, 1923.

CLASS 39.

Clothing and garments, Women's and young women's. Style-Center Tailoring Company. 173,204; Sept. 18; Serial No. 172,566; published June 19, 1923.
Dresses. Jack Levy, Inc. 173,194; Sept. 18; Serial No. 173,136; published June 12, 1923.
Dresses, Women's. Levy-Shulman & Co. 173,200; Sept. 18; Serial No. 172,996; published June 12, 1923.
Football pants and jackets, knit worsted union suits, football shoes, etc. James W. Brine Company. 173,203; Sept. 18; Serial No. 172,579; published June 19, 1923.
Hosiery. Dayton Hosiery Mills. 173,205; Sept. 18; Serial No. 172,524; published June 12, 1923.
Hosiery and sweaters, scarfs, caps, bootees, and knit sets. A. B. Frank Company. 173,177; Sept. 18; Serial No. 170,634; published June 19, 1923.
Hosiery and underwear of knitted and textile fabric. Colter & Bernie. 173,174; Sept. 18; Serial No. 171,152; published June 19, 1923.
Knitted wear. A. L. Wallau. 173,197–8; Sept. 18; Serial Nos. 173,018–19; published June 19, 1923.
Neckties, Grip Bow Tie Company. 173,231; Sept. 18; Serial No. 173,353; published June 19, 1923.
Shirts, Dress, negligee, and work. Tuxedo Shirt Co. 173,224; Sept. 18; Serial No. 173,944; published June 19, 1923.
Shirts, nightshirts, and pyjamas, Men's dress and negligee. G. D. Grosner. 173,228; Sept. 18; Serial No. 173,419; published June 19, 1923.
Stockings and hosiery, Women's and girls'. Campe-Davis-Blair Co. 173,259; Sept. 18; Serial No. 175,462; published June 12, 1923.
Sweaters. Manhattan Knitting Mills, Inc. 173,263; Sept. 18; Serial No. 175,431; published June 12, 1923.
Underwear made of textile fabrics, Ladies'. N. Bregstein. 173,211; Sept. 18; Serial No. 171,250; published June 12, 1923.

CLASS 42.

Cotton and silk mixture piece goods. Voss & Stern. 173,247; Sept. 18; Serial No. 160,328; published June 19, 1923.
Cotton goods. Olympia Manufacturing Company. 173,266; Sept. 18; Serial No. 175,153; published June 19, 1923.
Cotton piece goods. Voss & Stern. 173,249; Sept. 18; Serial No. 160,316; published June 12, 1923.
Cotton piece goods, silk and cotton goods, ladies' woolen dress fabric, etc. Herman Resler & Company. 173,251; Sept. 18; Serial No. 159,286; published June 19, 1923.
Cotton, wool, etc., piece goods, Woven and knitted. Vary Knit Co. 173,218; Sept. 18; Serial No. 174,348; published June 12, 1923.
Cretonnes, tapestries and draperies in the piece. Pamlico Cottons, Ltd. 173,154; Sept. 18; Serial No. 150,464; published June 19, 1923.
Fabrics, Jacquard-woven. Rosemary Manufacturing Company. 173,269; Sept. 18; Serial No. 175,027; published June 19, 1923.
Hair nets. National Hair Goods Co. 173,161; Sept. 18; Serial No. 159,048; published June 12, 1923.
Laces, Silk, silk and fiber, and silk and wool. Lace-Net Importing Co. 173,180; Sept. 18; Serial No. 169,766; published June 12, 1923.
Percales in the piece. Carter Dry Goods Company. 173,183; Sept. 18; Serial No. 169,280; published June 19, 1923.
Silk and silk cotton and artificial-silk goods in piece. Artsilk Knitting Mills. 173,189; Sept. 18; Serial No. 168,348; published June 12, 1923.
Silk in the piece, Broad. Artsilk Knitting Mills. 173,181; Sept. 18; Serial No. 169,743; published June 19, 1923.
Silk piece goods. Duplan Silk Corporation. 173,281; Sept. 18; Serial No. 178,974; published June 12, 1923.
Silk piece goods. Duplan Silk Corporation. 173,282–3; Sept. 18; Serial Nos. 178,970–1; published June 12, 1923.
Silk piece goods. Duplan Silk Corporation. 173,284; Sept. 18; Serial No. 178,973; published June 12, 1923.
Silk piece goods. Duplan Silk Corporation. 173,285; Sept. 18; Serial No. 178,975; published June 12, 1923.
Silk piece goods. Duplan Silk Corporation. 173,286–8; Sept. 18; Serial Nos. 178,977–9; published June 12, 1923.
Silk piece goods. Voss & Stern. 173,248; Sept. 18; Serial No. 160,325; published June 19, 1923.
Silks and silk and cotton goods in the piece, Broad. H. Kobayashi & Co. 173,176; Sept. 18; Serial No. 170,769; published June 19, 1923.
Silks in the piece and silk and cotton piece goods, Broad. Stehli Silks Corporation. 173,187; Sept. 18; Serial No. 168,383; published June 12, 1923.
Wool, worsted, mohair, etc., fabrics in the piece. Salt's Textile Manufacturing Company. 173,159; Sept. 18; Serial No. 159,120; published June 12, 1923.
Woolen cloths in the piece for suiting, etc. S. Stein & Co. 173,213; Sept. 18; Serial No. 173,259; published June 12, 1923.
Woolen piece goods. Forstmann & Huffmann Company. 173,290; Sept. 18; Serial No. 178,988; published June 12, 1923.
Woolen piece goods. Forstmann & Huffmann Company. 173,291–2; Sept. 18; Serial Nos. 178,990–1; published June 12, 1923.
Woolen piece goods. Forstmann & Huffmann Company. 173,293; Sept. 18; Serial No. 178,995; published June 12, 1923.
Worsted fabrics, Novelty. International Worsted Mills. 173,276; Sept. 18; Serial No. 174,787; published June 12, 1923.
Worsted, woolen and cotton, etc., piece goods. Walther Manufacturing Co. 173,310; Sept. 18; Serial No. 179,177; published June 12, 1923.
Worsteds in the piece, Tropical. International Worsted Mills. 173,277; Sept. 18; Serial No. 174,786; published June 12, 1923.

CLASS 43.

Silk, Spun. Mesquita & Lange. 173,216; Sept. 18; Serial No. 174,665; published June 19, 1923.
Thread, Cotton. Smith & Dove Manufacturing Co. 173,308; Sept. 18; Serial No. 179,230; published June 19, 1923.
Yarns, Cotton. United Turkey Red Company. 173,237; Sept. 18; Serial No. 165,838; published June 19, 1923.

CLASS 44.

Dental metal. Baker & Co. 173,278; Sept. 18; Serial No. 178,950; published June 19, 1923.
Fabric rolls impregnated with a dentifrice and holders therefor. Dentrol Sales Corporation. 173,272; Sept. 18; Serial No. 175,009; published June 19, 1923.

CLASS 45.

Grape flavored concentrate. Howdy Company. 173,294; Sept. 18; Serial No. 180,183; published June 19, 1923.

Grape juice. L. S. Wetmore Company. 173,305; Sept. 18; Serial No. 179,575; published June 19, 1923.
Sirup for beverage purposes, Grape-flavored. Queen City Extract Company. 173,238; Sept. 18; Serial No. 163,413; published June 19, 1923.
Sirups, Nonalcoholic, maltless fruit. E. Burden. 173,206; Sept. 18; Serial No. 172,507; published June 19, 1923.

CLASS 46.

Biscuit. National Biscuit Company. 173,121; Sept. 18; Serial No. 163,593; published June 12, 1923.
Butter, coffee, tea, spices, etc. Mound City Creamery and Food Products Co. 173,242; Sept. 18; Serial No. 160,953; published Mar. 27, 1923.
Candies. L. J. Christopher Co. 173,144–5; Sept. 18; Serial Nos. 177,958–9; published June 12, 1923.
Candy. G. B. Hooker. 173,214; Sept. 18; Serial No. 174,778; published June 19, 1923.
Candy. O. M. Sheppard. 173,230; Sept. 18; Serial No. 173,367; published June 19, 1923.
Candy. Spoehr's. 173,167; Sept. 18; Serial No. 139,134; published June 19, 1923.
Candy. A. C. Watson. 173,173; Sept. 18; Serial No. 171,112; published June 26, 1923.
Candy bars. J. J. M. Caramelos. 173,188; Sept. 18; Serial No. 168,513; published June 26, 1923.
Canned fish. P. Petrich. 173,223; Sept. 18; Serial No. 174,150; published June 26, 1923.
Canned fruits and vegetables and dried fruits. Barron-Gray Packing Company. 173,089; Sept. 18; Serial No. 177,819; published June 12, 1923.
Canned fruits and vegetables and dried fruits. Barron-Gray Packing Co. 173,130; Sept. 18; Serial No. 177,820; published June 12, 1923.
Canned pimientos. A. Burnham. 173,267; Sept. 18; Serial No. 175,064; published June 19, 1923.
Cereals, Breakfast. Battle Creek Food Company. 173,172; Sept. 18; Serial No. 172,575; published May 8, 1923.
Cherries, Fresh. San Joaquin County Cherry Growers Assn. 173,148; Sept. 18; Serial No. 177,875; published June 12, 1923.
Coffee. M. R. Johnston. 173,138; Sept. 18; Serial No. 178,256; published June 12, 1923.
Coffee. Thos. Roulston, Inc. 173,114; Sept. 18; Serial No. 171,039; published June 5, 1923.
Coffee. E. T. Smith & Co. 22,433; renewed Feb. 7, 1923.
Coffee, Processed. Wilder & Jacobs. 173,268; Sept. 18; Serial No. 175,045; published June 19, 1923.
Cones, Sugar. Sugar Cone Manufacturing Corp. 173,192; Sept. 18; Serial No. 167,538; published June 19, 1923.
Crackers and cookies. Pacific Coast Biscuit Co. 173,153; Sept. 18; Serial No. 151,284; published Dec. 26, 1922.
Feed, Poultry. Black Bros. Flour Mills. 173,128; Sept. 18; Serial No. 172,792; published June 5, 1923.
Fish and oysters, Fresh. Easter Fish Company. 173,146; Sept. 18; Serial No. 177,900; published June 12, 1923.
Flour, Fancy patent hard-wheat. William H. Oldach, Inc. 173,239; Sept. 18; Serial No. 163,232; published Apr. 3, 1923.
Flour, Self-rising. Noblesville Milling Co. 173,235–6; Sept. 18; Serial Nos. 166,566–7; published Mar. 20, 1923.
Flour, Wheat. Noblesville Milling Co. 173,191; Sept. 18; Serial No. 167,730; published Mar. 20, 1923.
Four, Wheat. Weber Flour Mills Corporation. 173,170; Sept. 18; Serial No. 168,505; published Mar. 20, 1923.
Fruit, Dried. A. M. Biddle. 173,129; Sept. 18; Serial No. 177,821; published June 12, 1923.
Fruits and grapes, Deciduous. Y. Maeda. 173,162; Sept. 18; Serial No. 158,782; published June 19, 1923.
Fruits and grapes, Fresh deciduous. Marshall & Muller. 173,217; Sept. 18; Serial No. 174,581; published June 26, 1923.
Fruits and vegetables, Fresh. W. R. Roach & Company. 173,140; Sept. 18; Serial No. 159,054; published June 19, 1923.
Grapefruit, Fresh. Merrick and Rice. 173,151; Sept. 18; Serial No. 154,317; published June 19, 1923.
Grapes and raisins, Fresh. A. Mattei. 173,137; Sept. 18; Serial No. 178,266; published June 12, 1923.
Hams, breakfast bacon. William Zoller Company. 173,126; Sept. 18; Serial No. 172,924; published June 5, 1923.
Ice cream. J. M. Gries. 173,274; Sept. 18; Serial No. 174,832; published June 19, 1923.
Ice cream. Stuart & Emerson. 173,171; Sept. 18; Serial No. 168,130; published May 22, 1923.
Ice cream or other frozen dainties. Icy Hunni Co. 173,226; Sept. 18; Serial No. 173,706; published June 26, 1923.
Macaroni. F. A. Martoccio Macaroni Co. 173,265; Sept. 18; Serial No. 175,258; published June 19, 1923.
Malt extract for food purposes. L. Stetelman. 173,136; Sept. 18; Serial No. 178,298; published June 12, 1923.
Mayonnaise, catchup, Thousand Island dressing, etc. F. M. Casler. 173,186; Sept. 18; Serial No. 168,755; published June 26, 1923.
Milk and cream. Beatrice Creamery Company. 173,261; Sept. 18; Serial No. 175,459; published June 19, 1923.
Milk, Condensed and evaporated. Dairymen's League Co-Operative Association, Inc. 173,135; Sept. 18; Serial No. 178,376; published June 12, 1923.
Milk, Powdered. Merrell-Soule Company. 173,222; Sept. 18; Serial No. 174,146; published June 19, 1923.
Oil, Cottonseed. Cella's, Inc. 173,143; Sept. 18; Serial No. 178,090; published June 12, 1923.
Oils, Edible, cottonseed, and vegetable. American Cotton Oil Company. 173,090; Sept. 18; Serial No. 177,812; published June 12, 1923.
Pectin, fruit preserves, jelly, etc., containing added pectin, Concentrated fruit. H. L. Hulburt. 173,184; Sept. 18; Serial No. 169,249; published June 26, 1923.
Pies, dumplings, etc., Meat. W. H. Brooks. 173,175; Sept. 18; Serial No. 170,806; published June 26, 1923.
Pop-corn confection. Rich-Maid Mfg. Co. 173,209; Sept. 18; Serial No. 171,816; published June 19, 1923.
Salad dressing. W. E. Johnson. 173,163; Sept. 18; Serial No. 158,188; published June 19, 1923.
Sardines in oil. Silveira, Carmo & Companhia. 173,117; Sept. 18; Serial No. 169,139; published June 12, 1923.
Sirup and sugar, Maple. Maple Producers' Co-Operative Association, Inc. 173,260; Sept. 18; Serial No. 175,432; published June 19, 1923.

CLASS 48.

Beer, Lager. Robert Portner Brewing Company. 23,870; renewed Nov. 28, 1923.
Beverage and malt sirup for making same, Malt or cereal. Crown Brewing Co. 173,280; Sept. 18; Serial No. 179,022; published June 19, 1923.
Malt extracts, Pure. S. Katz. 173,208; Sept. 18; Serial No. 172,047; published June 19, 1923.
Sirup and extract, Concentrated malt. Milwaukee Malting & Grain Co. 173,155; Sept. 18; Serial No. 147,303; published June 19, 1923.
Sirup, Malt. W. Henle. 173,140; Sept. 18; Serial No. 178,248; published June 19, 1923.

CLASS 50.

Bottle closures. New Process Cork Company. 173,124; Sept. 18; Serial No. 160,076; published June 12 ,1923.
Poultry-raising appliances. Watson Manufacturing Company. 173,169; Sept. 18; Serial No. 115,304; published June 19, 1923.

ALPHABETICAL LIST OF LABELS.

A. For Fresh Boxed Pears. G. H. Anderson. 26,390; Sept. 18.
Ice Cream. For Ice Cream. Merasha Printing and Carton Company. 26,398; Sept. 18.
Instructions For Installing Hoffman Quick Change Transmission Band For Ford Cars. For Transmission Bands for Automobiles. Hoffman Manufacturing Company. 26,394; Sept. 18.
Ivins. For Biscuits. J. S. Ivins' Son, Inc. 26,395; Sept. 18.
Just Scrumpshus. For Chocolates. Milwaukee Paper Box Company. 26,399; Sept. 18.
Krinkletex. For Shirts. Oppenheim, Oberndorf & Co. 26,400; Sept. 18.
Las Palmas Red Chile Sauce. For Chili Sauce. Ramirez & Feraud Chile Co. 26,401; Sept. 18.
Market. For Fresh Pears. N. E. Dean. 26,391; Sept. 18.
Miss America. For Stringless Beans. American Pickle & Canning Company. 26,389; Sept. 18.
Mission-Vineyards. For Fresh Grapes. G. J. Lewis. 26,397; Sept. 18.
Noble-Heart. For Soap. J. H. Karp. 26,396; Sept. 18.
Priscilla Tissue. For Dry Goods—Namely, Cotton and Linen Cloth. Farley Harvey Company. 26,392; Sept. 18.
Southern Cross. For Lettuce. V. M. Gerrard. 26,393; Sept. 18.
The Little Wonder Spot Chaser. For Cleansing Fluid. M. Wolf. 26,403; Sept. 18.
White Flower. For Cigars. M. Wilkof. 26,402; Sept. 18.

ALPHABETICAL LIST OF PRINTS.

A Genuine Achievement for the better care of your Teeth and Gums. For Dental Cream. E. R. Squibb & Sons. 6,893; Sept. 18.

De-Fi Typewriter Paper. For Typewriter Paper. De-Fi Manufacturing Company. 6,888; Sept. 18.

Don't cut the Cuticle—keep your nails always lovely the Cutex Way. For Manicure Preparations and Implements. Northam Warren Corporation. 6,891; Sept. 18.

Have Lovely Nails Without Cutting the Cuticle. For Manicure Preparations and Implements. Northam Warren Corporation. 6,892; Sept. 18.

Lionel Square Compact. For Compacts. Lionel Trading Co. 6,889; Sept. 18.

Shoot the Plugs. For Plugs for Cleaning Condenser Tubes. Mannion & Arthur Co. 6,890; Sept. 18.

CLASSIFIED LIST OF TRADE-MARK TITLES.

PUBLISHED FOR OPPOSITION.

[Act of Feb. 20, 1905, Sec. 6, as amended Mar. 2, 1907.]

CLASS 1.

Coal. Montevallo Mining Company. 182,355; Sept. 18.

CLASS 2.

Cartons and boards. Weldfast System, Inc. 182,324; Sept. 18.
Hampers, Wooden. R. B. White. 178,686; Sept. 18.
Reels upon which wire is wound. F. Yurcich. 162,233; Sept. 18.
Vulcanized-fiber containers. Fibre Specialty Mfg. Co. 180,426; Sept. 18.

CLASS 3.

Collars, harness, and harness parts, Horse. Bona Allen, Inc. 182,327; Sept. 18.

CLASS 5.

Glue and gelatin glue. British Glues and Chemicals, Limited. 173,588; Sept. 18.

CLASS 6.

Acetanilid, acetone, alum, potash, etc. C. Morgan. 175,206; Sept. 18.
Alcohol, Denatured. C. E. Adamson. 179,124; Sept. 18.
Battery solutions. Blue Ribbon Battery Company. 179,651; Sept. 18.
Beauty clay. Lincoln Laboratories, Inc. 179,308; Sept. 18.
Benzoate of soda, coumarin, benzoic acid, etc. Commonwealth Chemical Corporation. 181,435; Sept. 18.
Beverage and sirup for making same. H. A. Whitney. 168,285; Sept. 18.
Bleaching blue, auxiliary dyeing agents, etc. Commonwealth Color & Chemical Co. 179,362; Sept. 18.
Chemical compound. Etablissements Poulence Frères. 173,757; Sept. 18.
Cough medicine. Cough Checker Company. 180,363; Sept. 18.
Cream, face powder, lip pencil, rouge, etc., Face. Vanity Fair Company. 180,991; Sept. 18.
Cream. Massage. Big Four Chemical Products Co. 177,583; Sept. 18.
Creams, perfumes, sachets, etc., Cold, face, vanishing, and cleansing. A. P. Babcock Co. 181,237; Sept. 18.
Dentifrices and products used for the hygiene of the mouth. Societe Anonyme Dentifrices Bi-Oxyne. 181,705; Sept. 18.
Deodorant. Marmola Company. 178,621; Sept. 18.
Dyes, Gypsy Dyes, Inc. 181,486; Sept. 18.
Emulsion used in treating constipation. Nolyec Laboratories. 181,767; Sept. 18.
Emulsion used in treating constipation. Nolyec Laboratories. 181,769; Sept. 18.
Foot powder. J. Miswiwicz. 180,443; Sept. 18.
Hair preparation. A. Montgomery. 178,055; Sept. 18.
Hair tonic and scalp ointment. B. H. Beuchel. 176,158; Sept. 18.
Hair tonic. F. Goldberg. 144,812; Sept. 18.
Hair tonic. Scientol Products Co. 181,455; Sept. 18.
Hair tonic. P. Zebich. 180,460; Sept. 18.
Liniment. R. R. Hebert and Son. 173,493; Sept. 18.
Lye. Pennsylvania Salt Manufacturing Company. 176,094; Sept. 18.
Medicinal bitters and general tonic. Felice Bisleri & C. 140,825; Sept. 18.
Medicinal compound used for the treatment of rheumatism, neuralgia, sciatica, etc., Liquid. National Radium Co. 181,766; Sept. 18.
Medicinal preparation for treatment of eczema, tetter, etc. Kohr Mfg. Co. 179,732; Sept. 18.
Medicinal preparation used in the treatment of galls, sores, etc., on horses. F. W. Kelley. 181,601; Sept. 18.
Medicinal tablets for diseases in fowls. W. M. Carpenter. 179,412; Sept. 18.
Medicine for the skin. T. Kusaka. 180,981; Sept. 18.
Medicine for tuberculosis, etc. S. A. D. Sziber. 180,508; Sept. 18.
Medicine for whooping cough, bronchitis, tuberculosis, etc. Parke, Davis & Company. 181,612; Sept. 18.
Medicines and pharmaceutical preparations. M. Kaplan. 180,125; Sept. 18.
Medicines for indigestion, sour stomach, etc., Proprietary. Lottman Medicine Company. 179,009; Sept. 18.
Medicines, Patent. MacLean Drug Company. 172,845; Sept. 18.
Oil, Spraying. Sun Oil Company. 180,562; Sept. 18.
Oils and antiseptics, Combination of healing and medicinal. H. D. Sterrick. 163,356; Sept. 18.
Paste for whitening face, neck, arms, and hands, Bleaching. Marinello Company. 181,533; Sept. 18.
Perfume, toilet water, face powder, etc. L. Cohn. 177,547; Sept. 18.
Perfumes. A. M. Katzman Corp. 180,068; Sept. 18.
Powder and paste and mouth wash, Tooth. J. O. McCall. 181,606; Sept. 18.
Powder, Toilet. M. M. Richard Vve. Grenoville. 180,370; Sept. 18.
Preparation for energizing circulatory and nervous systems of the human body. B. R. Charles. 181,474; Sept. 18.
Preparation for hay fever and rose cold. E. M. Kraemer. 179,606; Sept. 18.
Preparation for hypodermic use. Instituto Mazionale Medico Farmacologico. 171,848; Sept. 18.
Preparation for rheumatic pain, cold in chest, etc. Big Four Chemical Products Co. 177,584; Sept. 18.
Preparation for syphilis, tabes, and general paralysis. Societe Anonyme pour l'Expansion des Marques de Fabrique et de Commerce. 181,353; Sept. 18.
Preparation for the treatment of corns. M. T. Perrotté. 181,216; Sept. 18.
Preparations, Insect-destroying. J. Hertz. 181,596; Sept. 18.
Purgative tea. A. W. Niedzielski. 180,384; Sept. 18.
Remedy and insecticide, Abortion. Erick Bowman Remedy Company. 166,126; Sept. 18.
Remedy, Pile. H. A. Pond. 179,425; Sept. 18.
Salt, Table. Haas, Baruch & Co. 181,745; Sept. 18.
Salve. S. W. Hill and Sons. 181,119; Sept. 18.
Salve and lotion. T. Kleiner. 180,124; Sept. 18.
Salve and lotion for the skin and scalp. T. Kleiner. 180,124; Sept. 18.
Sirup, Cough. Albers Company. 184,048; Sept. 18.
Sirup, horehound, honey, and tar sirup, blood purifier, etc., Laxative. Zinn Chemical Co. 180,731; Sept. 18.
Starch solvents. Takamine Laboratory, Inc. 161,285; Sept. 18.
Toilet preparation. Masol Chemical Co. 181,760; Sept. 18.
Tonic, Blood, liver, and system. R. Gaffney. 181,068; Sept. 18.
Tonic, System. S. B. Yount. 177,809; Sept. 18.

CLASS 7.

Rope and twine. Compania de Jarcia de Matanzas S. A. 179,135; Sept. 18.

CLASS 12.

Pipe covering. Johns-Manville, Incorporated. 183,155; Sept. 18.

CLASS 13.

Automobiles and the like, License-tag fasteners for. A. B. Aldrich. 181,371; Sept. 18.
Bathroom and other fixtures, Supports for. J. A. Hoeger. 178,503; Sept. 18.

PUBLISHED FOR OPPOSITION.

[Act of Feb. 20, 1905, Sec. 6, as amended Mar. 2, 1907.]

Bathroom fixtures. C. F. Church Manufacturing Co. 181,110–11; Sept. 18.
Fluid-pressure regulating and controlling instruments. Honeywell Heating Specialties Company. 175,396; Sept. 18.
Furniture slides. Turner & Seymour Manufacturing Co. 181,922; Sept. 18.
Nipples, Metal pipe. Fred Pabst Company. 180,718; Sept. 18.
Plumbers' ware. Groeniger Manufacturing Company. 177,486; Sept. 18.
Springs and steel tubing. Sandvikens Jernverks Aktiebolag. 178,871; Sept. 18.
Toilet seats, Sanitary covers for. A. M. Price. 181,088; Sept. 18.
Valves, float boxes, etc., Pressure-reducing back-pressure, balance, float, and fluid-control. G. M. Davis Regulator Co. 182,088; Sept. 18.
Valves, Globe and gate. Jenkins Bros. Limited. 180,605; Sept. 18.
Wire fence and barbed wire. Keystone Steel & Wire Company. 180,935; Sept. 18.
Wire fence and barbed wire. Keystone Steel & Wire Company. 183,655; Sept. 18.

CLASS 14.

Alloys, Metallic. Du Pont Engineering Company. 178,981; Sept. 18.
Ingots and castings. A. Gilbert & Sons Brass Foundry Co. 163,515; Sept. 18.
Wire Galvanized. Keystone Steel & Wire Company. 184,730–1; Sept. 18.

CLASS 15.

Candles. J. and M. Bechdolt. 177,427; Sept. 18.
Gasoline, kerosene, etc. Herculese Gasoline Co.. 167,393; Sept. 18.
Gasoline, kerosene, fuel oil, etc. Pure Oil Company. 159,284; Sept. 18.
Oils. Atlantic Refining Company. 183,812; Sept. 18.
Oils. West India Oil Company. 183,681; Sept. 18.
Oils and greases, Lubricating. Great Southern Refining Company. 176,078; Sept. 18.
Oils and greases, Lubricating. Reed Oil Company. 176,365; Sept. 18.
Oils, Lubricating. F. M. Zimmerman. 182,031; Sept. 18.
Petroleum, kerosene, gasolene, etc. C. G. Wirick. 179,910; Sept. 18.

CLASS 16.

Calcimine. West Coast Kalsomine Company. 180,729; Sept. 18.
Cleaner, polisher, renovator, disinfector for varnish, paint, and enamel. W. B. Franklin. 183,565; Sept. 18.
Enamel finish. R. D. Freeman. 182,205; Sept. 18.
Oily compound. G. H. Johnson. 178,850; Sept. 18.
Paint. Paraffine Companies, Inc. 183,588; Sept. 18.
Paint. Paraffine Companies, Inc. 183,591; Sept. 18.
Paints, Regulation Point Co. 183,596–7; Sept. 18.
Paints and shellac, Wood-preserving. Davey Tree Expert Company. 183,054; Sept. 18.
Paints, Cold-water. West Coast Kalsomine Company. 180,727; Sept. 18.
Polish and shellac, Liquid. J. Palise. 183,226; Sept. 18.
Polish, Floor. W. K. Petrie. 168,091; Sept. 18.
Polishing materials. Cleveland Chemical Corporation. 176,949; Sept. 18.

CLASS 20.

Oilcloth. T. R. Goodlatte & Sons, (Inc.). 183,145; Sept. 18.

CLASS 21.

Cooking apparatus, Electrical. Apex Electrical Manufacturing Company. 182,639–41; Sept. 18.
Electric conduits, Fittings for. M. W. Johnson. 182,542; Sept. 18.
Electric conduits, Fittings for. M. W. Johnson. 182,823; Sept. 18.
Electric wiring. Youngstown Sheet and Tube Company. 182,845; Sept. 18.
Electrical apparatus. W. H. Priess. 173,721; Sept. 18.
Lighting plants, Individual. Farmelectric Utilities Corporation. 182,742; Sept. 18.

CLASS 22.

Corrugated boxes, envelopes, etc. David Weber & Co. 180,511; Sept. 18.

CLASS 23.

Bits, reamers, fishing tools for wells, Rotary drill. Reed Roller Bit Co. 159,055; Sept. 18.
Derricks, Oil. V. B. Foster. 181,067; Sept. 18.
Handles, Tool. Hartwell Brothers. 182,906–7; Sept. 18.
Handles, Tool. Hartwell Brothers. 182,909–13; Sept. 18.
Scissors. N. C. Toops. 162,218; Sept. 18.
Tire pumps, slip-on connection for tire pumps, and air chucks. F. I. Jaden. 181,282; Sept. 18.
Tool handles. Hartwell Brothers. 182,915; Sept. 18.

CLASS 26.

Drawing instruments and accessories, surveyors' instruments. Spaulding-Moss Company. 175,890; Sept. 18.
Eyeglasses, Frames, etc., for. Optical Products Corporation. 178,184; Sept. 18.
Thermometers, compasses, etc. Imperial Trust for the Encouragement of Scientific and Industrial Research. 163,983–4; Sept. 18.

CLASS 37.

Paper, bank-note wrappers, blank books. Levey Printing Company. 173,505; Sept. 18.
Paper, Crêpe. Papyrus Company. 182,221; Sept. 18.

CLASS 38.

House organ published monthly. Chr. Hansen's Laboratory, Inc. 180,761; Sept. 18.
Magazine articles. Fairchild Company. 182,853; Sept. 18.
Magazine or pamphlet. J. W. McClure. 180,482; Sept. 18.
Magazine, Quarterly. Collegiate World Publishing Company. 181,730; Sept. 18.
Periodical, Monthly. Jaburg Bros., Inc. 182,347; Sept. 18.
Periodical, Monthly. Republican Women of Pennsylvania, Incorporated. 182,610; Sept. 18.
Publication, Monthly. National Federation of Uncle Sam's Voters. 182,218; Sept. 18.

CLASS 39.

Baby wear, bath robes, jackets, and baby buntings. H. Cooperman. 176,115; Sept. 15.
Boots and shoes. Rubberhide Company. 170,992; Sept. 18.
Boots, shoes, and slippers, Leather. W. H. McElwain Company. 176,903; Sept. 18.
Caps, Infants'. Birnbaum, Rosenbloom & Yellen. 173,696; Sept. 18.
Caps, sweaters, scarfs, etc. J. B. Shansby. 178,534; Sept. 18.
Clothing. Magnus Imports, Ltd. 180,871; Sept. 18.
Clothing. Pollok-Schultz-Boyd Company. 181,311; Sept. 18.
Clothing, Men's, youths', and boys'. J. C. Shannon. 180,398; Sept. 18.
Clothing, Outing and work. T. Kotzin. 164,252; Sept. 18.
Corsets, brassières, and underwear for women. Kops Bros. 174,248–50; Sept. 18.
Dresses, bath robes, aprons, negligees. Miller Brothers. 166,841; Sept. 18.
Dresses, coats, and suits. Schroeder & Worth. 159,820; Sept. 18.
Fur coats, capes, scarfs, etc. Jalkoff Bros. Inc. 178,505; Sept. 18.
Hats, Ladies' and children's. Ackerman & Rosenthal, Inc. 160,910; Sept. 18.
Hosiery. Ambridge Knitting Company. 180,680; Sept. 18.
Hosiery. W. A. Bearman. 181,973; Sept. 18.
Hosiery. Concordia Silk Hosiery Company. 171,752; Sept. 18.
Hosiery. John M. Given Company. 180,660; Sept. 18.
Hosiery. John M. Given Company. 180,699; Sept. 18.
Hosiery. Ipswich Mills. 172,334; Sept. 18.
Hosiery. D. B. May. 178,562; Sept. 18.
Hosiery. Thomas G. Plant Company. 181,958; Sept. 18.
Hosiery. Richmond Hosiery Mills. 176,571; Sept. 18.
Hosiery and knitted underwear. Campe Corporation. 181,109; Sept. 18.
Hosiery, boots and shoes, overalls, and rompers. Sherman & Lehair, Incorporated. 174,492; Sept. 18.
Hosiery, socks, and stockings. Campe-Davis-Blair Co. 180,747; Sept. 18.
Knitted garments. S. J. Sager Company. 156,934; Sept. 18.
Neckties, cravats, and scarfs. Frank & Meyer Neckwear Co. 168,465; Sept. 18.
Rubber heels for shoes. B. R. Barva. 164,578; Sept. 18.
Rubber or analogous material for heels. Pletznch Wonder Arch Guide Heel Company. 143,996; Sept. 18.
Shirts and boys' blouses, Men's and boys'. Salant & Salant, Inc. 179,821; Sept. 18.
Shirts and underwear. Mincey Manufacturing Company. 180,982; Sept. 18.
Shirts, collars, blouses, etc., Negligee. William Hollins & Co. 161,005; Sept. 18.
Shirts, collars, underwear, etc. Wallach Bros. 169,569; Sept. 18.
Shirts, Dress and top. Apollo Shirt Company. 176,869; Sept. 18.
Shirts, overalls, pants, jackets, etc. Martin Brothers Company. 154,611½; Sept. 18.
Shoes. Harrisburg Shoe Mfg. Co. 174,390; Sept. 18.
Shoes, Leather. Melville Shoe Corporation. 182,000; Sept. 18.
Slippers. Lind Shoe and Slipper Company. 181,642; Sept. 18.

PUBLISHED FOR OPPOSITION.

[Act of Feb. 20, 1905, Sec. 6, as amended Mar. 2, 1907.]

Slippers, Felt. United States Rubber Company. 177,753; Sept. 18.
Socks, stockings, and hosiery. Floradel Knitting Mills Inc. 172,798; Sept. 18.
Suits, overcoats, sheepskin coats, pants, etc. I. I. Marrus. 177,210; Sept. 18.
Sweaters, bathing suits, scarfs, caps, etc., Knitted. Standard Knitting Mills. 181,424; Sept. 18.
Ties and cravats. Friedman Bros. & Sons Neckwear Co. 181,271; Sept. 18.
Underwear, Boys' knit. Reading Underwear Co. 179,555; Sept. 18.
Underwear, Ladies' and girls' knit. Reading Underwear Co. 179,554; Sept. 18.
Waistbands. See The Point Waist Band Company. 161,651; Sept. 18.

CLASS 42.

Cotton piece goods. Kelsey Textile Corporation. 183,747–9; Sept. 18.
Cotton piece goods. John P. King Manufacturing Co. 166,373; Sept. 18.
Cotton piece goods. Passaic Print Works. 156,412; Sept. 18.
Cotton piece goods. Charles L. Poor Co. 176,040; Sept. 18.
Cotton piece goods. Wilton Manufacturing Company. 183,786–7; Sept. 18.
Handkerchiefs. H. C. Eichhold. 183,446; Sept. 18.
Handkerchiefs. K. Mandell. 183,580; Sept. 18.
Ribbons in the piece, Silk and cotton. O. Lion. 182,249; Sept. 18.
Rugs, carpets, and other textile floor coverings. Mars Grand Rug Co. 183,390; Sept. 18.
Sheets and pillowcases. Abraham & Straus, Inc. 182,279; Sept. 18.
Silk, cotton, etc., piece goods. Haas Brothers Fabrics Corporation. 183,740–2; Sept. 18.
Silk, cotton, linen, and woolen goods in the piece. Haas Brothers Fabrics Corporation. 182,343; Sept. 18.
Silk, cotton, linen, and woolen piece goods. Haas Brothers Fabrics Corporation. 183,738; Sept. 18.
Silk fabrics in the piece. Schoonmaker Bros. & Company. 182,360; Sept. 18.
Silk goods in the piece. Moss Brothers. 170,444; Sept. 18.
Woolen, worsted piece goods. Bell Company. 179,769; Sept. 18.

CLASS 43.

Threads made of cellulose derivatives. British Cellulose and Chemical Manufacturing Company. 165,002; Sept. 18.

CLASS 44.

Foot-massaging device. W. Saklad. 183,124; Sept. 18.
Gauze and absorbent cotton. Bauer & Black. 183,355; Sept. 18.
Sanitary aprons and belts. A. Stein & Company. 183,002; Sept. 18.
Sanitary napkins. Fort Howard Paper Company. 180,115; Sept. 18.
Teeth, Artificial. H. D. Justi & Son. 181,028; Sept. 18.

CLASS 45.

Beverages, fruit sirups, extracts, and flavorings for the same. R. E. Marett. 184,412; Sept. 18.
Beverages, Nonalcoholic. J. W. Palmer. 180,386; Sept. 18.

CLASS 46.

Apples, Fresh. Jensen & Sons. 182,916; Sept. 18.
Apples, Fresh. J. C. Palumbo. 182,928; Sept. 18.
Bread. Grocers' Baking Company. 169,549; Sept. 18.
Bread. Square Baking Company. 179,233; Sept. 18.
Bread, Fulton Bakery. 179,691; Sept. 18.
Bread, cakes, and pies. A. Rose. 175,887; Sept. 18.
Buttermilk, Concentrated. Consolidated Products Co. 177,364; Sept. 18.
Café au lait. Nestlé & Anglo-Swiss Condensed Milk Co. 157,627; Sept. 18.
Cake, Fruit. Crane Chocolate Company. 167,974; Sept. 18.
Cakes. J. Bermejo. 177,582; Sept. 18.
Candies. Douglass Caramel Company. 179,591; Sept. 18.
Candies, Marshmallow. Wm. H. Luden Inc. 183,308; Sept. 18.
Candies, pastries, breads, cakes. A. Paulson. 170,538; Sept. 18.
Candy. Catawba Candy Co. 182,498; Sept. 18.
Candy. Geiger Candy Company. 183,058; Sept. 18.
Candy. Geiger Candy Company. 183,060–2; Sept. 18.
Candy. Wm. H. Luden Inc. 180,541; Sept. 18.
Candy. New England Confectionery Company. 182,256; Sept. 18.
Candy. Pangburn Company. 183,538; Sept. 18.
Candy. C. J. Rosso. 183,317; Sept. 18.
Candy, Licorice. National Licorice Company. 183,041; Sept. 18.
Canned fruits and vegetables. Frazar & Company. 183,371; Sept. 18.
Canned fruits, vegetables, and fish. Kockos Bros. Inc. 183,216–17; Sept. 18.
Canned fruits and vegetables, etc. F. M. Ball & Company. 174,879; Sept. 18.
Canned shrimp. Dorgan-McPhillips Sales Co. 183,258; Sept. 18.
Catchup, dried prunes, and peaches, jams, etc. Akron Grocery Company. 175,833; Sept. 18.
Cereal, Wheat. Sims Milling Company. 179,229; Sept. 18.
Coffee, rolled oats, cocoa, etc. Church-Vance Grocery Co. 173,033; Sept. 18.
Coffee, tea, and other substitutes. H. A. Schnittker. 176,858; Sept. 18.
Coffee, tea, cocoa, etc. H. Jevne Co. 162,746; Sept. 18.
Feed, chick tonic. V. C. Getz. 177,293; Sept. 18.
Feed, shorts, and corn meal, Wheat. Cape County Milling Co. 179,182; Sept. 18.
Feeds and mash, Poultry. American Hominy Company. 178,489; Sept. 18.
Feeds, Animal. Lake Shore Elevator Company. 177,562; Sept. 18.
Figs, Stuffed. W. C. Cook & Co. 183,053; Sept. 18.
Flour, canned fruits, vegetables, etc., Wheat. L. Klein, Inc. 174,310; Sept. 18.
Flour, Pastry. J. Moskowitz. 176,416; Sept. 18.
Flour, Self-rising wheat. Hattiesburg Grocery Co. 176,827; Sept. 18.
Flour, Wheat. Martin Boyd & Co. 178,589; Sept. 18.
Flour, Wheat. Commander Mill Co. 176,251; Sept. 18.
Flour, Wheat. Ford Flour Company. 177,601; Sept. 18.
Flour, Wheat. P. N. Gray & Company. 174,735; Sept. 18.
Flour, Wheat. P. M. Leavitt. 171,091; Sept. 18.
Flour, Wheat. Minneapolis Milling Co. 175,939; Sept. 18.
Flour, Wheat. Willis Norton & Co. 179,949; Sept. 18.
Flour, Wheat. Vignes-Bombet Grocer Co. 178,645; Sept. 18.
Food shortening. Wallace & Tiernan Pando Co. 183,782; Sept. 18.
Foods, Cooked. A. F. Cook. 167,802; Sept. 18.
Fruit pectin. Hood River Apple Vinegar Co. 183,213; Sept. 18.
Ice cream. C. A. Hay. 160,938; Sept. 18.
Lard. E. Kahn's Sons Company. 165,451; Sept. 18.
Lard. Schaffner Brothers Company. 169,930; Sept. 18.
Malt extract, Pure. Pacific Malt & Hop Co. 152,767; Sept. 18.
Meats, hams, bacon, etc. Illinois Meat Company. 174,306; Sept. 18.
Milk, Condensed. Nestlé & Anglo-Swiss Condensed Milk Co. 157,629; Sept. 18.
Milk without sugar, Concentrated. Nestlé & Anglo-Swiss Condensed Milk Co. 157,628; Sept. 18.
Nuts and peanut butter. Pedigreed Products Corporation. 176,647; Sept. 18.
Oil, Cooking. F. A. Bowles. 171,897; Sept. 18.
Oil, oleomargarine, cooking fats, etc., Cottonseed. Procter and Gamble Company. 177,996; Sept. 18.
Oleo, oleo oil, and shortening. Consolidated Rendering Company. 175,187; Sept. 18.
Oranges, bananas, mangoes, jam, etc. W. L. Kann. 182,824; Sept. 18.
Pies, Lemon-meringue. Sunkist Lemon Pie Company. 178,576; Sept. 18.
Poultry, butter, eggs. H. Snyder. 159,625; Sept. 18.
Powder, Whipping. Jos. Middleby, Jr., Inc. 176,199; Sept. 18.
Preserves, Fruit. Ford & Company. 179,933; Sept. 18.
Sandwichlike product. W. D. Kemp. 155,352; Sept. 18.
Spices, peanut butter, honey, etc. Hulman & Co. 170,819; Sept. 18.
Tonic and food, Hog. American Stock Food Co. 177,759; Sept. 18.
Wheat and wheat and bran flour, Rolled. Quaker Oats Company. 170,214; Sept. 18.

ALPHABETICAL LIST OF PATENTEES

TO WHOM

PATENTS WERE ISSUED ON THE 18TH DAY OF SEPTEMBER, 1923.

NOTE.—Arranged in accordance with the first significant character or word of the name (in accordance with city and telephone directory practice). Includes patents, reissues, and designs.

Adams & Westlake Company, The. (See Miller, Royal E., assignor.)
Adams, Joseph E. (See Hewitt, J. N., and Adams, assignors.)
Adams, Walter L., assignor to The Enterprise Manufacturing Company, Akron, Ohio. Fishing reel. 1,468,128; Sept. 18.
Ade, Rudolph W., Indianapolis, Ind. Bedlamp shade. 1,468,451; Sept. 18.
Agopian, Levon A., Paris, France. Obtaining vitamines. 1,468,251; Sept. 18.
Ainsworth, Robert G., Denver, Colo. Weighing instrument. 1,468,129; Sept. 18.
Airo Metal Products Co. (See Crimp, John A., assignor.)
Aktiebolaget Bofors. (See Svensson, Svenning H., assignor.)
Aktiebolaget Gehr. Archns Mekaniska Verkstad. (See Ekström, G. C., and Örström, assignors.)
Aktiebolaget Ljungströms Angturbin. (See Broberg, Isidor, assignor.)
Albert, Fred, Mexico, Me. Coal cart. 1,468,551; Sept. 18.
Albertson, Etta. (See Greene, Ida, assignor.)
Aldon Company, The. (See Roe, Emil W. K., assignor.)
Alexander, Harris, San Antonio, Tex. Tire. Des. 63,019; Sept. 18.
Allen, Edwin, assignor of one-half to E. J. King, Galesburg, Ill. Gate fastener. 1,467,990; Sept. 18.
American Bank Note Company. (See Marquardt, Frank C., assignor.)
American Bank Note Company. (See Smith, Amos H., assignor.)
American Bank Note Company. (See Voorhis, William H., assignor.)
American Metals Co. (See Gilman, George W., jr., assignor.)
American Multigraph Company, The. (See Bechtel, Albert J., assignor.)
American Telephone and Telegraph Company. (See Clark, A. B., and Crisson, assignors.)
American Telephone and Telegraph Company. (See Young, Rowland L., assignor.)
American White Gold Manufacturing Company. (See Schroetter, Arnold, assignor.)
Andale Engineering Company. (See Winter, Oscar, assignor.)
Anderson, Carl O., Brooklyn, N. Y. Pliers. 1,468,252; Sept. 18.
Anderson, Gustaf W. (See Howard, S. R., and Anderson.)
Anderson, Ole, assignor of one-half to H. Nilsson, Hammond, Ind. Wall panel. Des. 63,020; Sept. 18.
Andreau, Roland L., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Refining camphor. 1,468,371; Sept. 18.
Angier, Edward H., Framingham, Mass. Bale. 1,468,130; Sept. 18.
Anthony Company, The. (See Morse, Albert W., assignor.)
Anthony, Marcus O., New York, N. Y., assignor to Continental Engineering Corporation, Omaha, Nebr. Self-grinding poppet valve. 1,467,991; Sept. 18.
Arcade Manufacturing Company. (See Tscherning, Henry, assignor.)
Armbrust, Charles W. (See Hogan, Ada, assignor.)
Arrow-Grip Manufacturing Co. (See Avery, True M., assignor.)
Art-Mosaic and Tile Company. (See Wright, R. E., and Barthel, assignors.)
Atlas Devices Company. (See Dinspel, William H., assignor.)
Auto Pneumatic Action Company. (See Danquard, Thomas, assignor.)
Automatic Electric Brake Company. (See Farmer, Robert Z., assignor.)
Automatic Electric Company. (See Ray, A. J., and Chapin, assignors.)
Avery, True M., assignor to Arrow-Grip Manufacturing Co., Inc., Glens Falls, N. Y. Antiskid attachment for wheels. 1,468,097; Sept. 18.
Ayars, Charles H., assignor to Ayars Machine Company, Salem, N. J. Can-filling machine. 1,468,253; Sept. 18.
Ayars, Charles H., assignor to Ayars Machine Company, Salem, N. J. Can-filling machine. 1,468,254; Sept. 18.
Ayars Machine Company. (See Ayars, Charles H., assignor.)
Ayres, Hiram D., Akron, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y. Method and apparatus for stretching textile material. 1,468,351; Sept. 18.
Baits, Stuart G. (See Whisler, R. H., and Baits.)
Baldwin, Joseph A., Baltimore, Md. Portable metallic building. 1,468,100; Sept. 18.
Balke, Paul, and G. Leysieffer, Troisdorf, near Cologne, Germany. Producing vulcanite-like plastic materials. 1,468,222; Sept. 18.
Baltich, Urosh, Gary, Ind. Toy. 1,468,223; Sept. 18.
Barach, Louis V. (See Seeman, C. E., and Barach.)
Barber, Howard M., Stonington, Conn., assignor to C. B. Cottrell & Sons Company, New York, N. Y. Machine for cutting and feeding sheets of different lengths from a continuous web. 1,468,452; Sept. 18.
Barrett Company, The. (See Dennis, Clark M., assignor.)
Barthel, Oliver E. (See Wright, R. E., and Barthel.)
Bartlett, Harry O., assignor to Bower & Bartlett, Inc., Washington, D. C. Laundry apparatus. 1,468,552; Sept. 18.
Bashara, Samuel F., Houston, Tex. Snap hook. 1,468,131; Sept. 18.
Bassett, Cyrus W. (See Schenck, C., Bassett, and Ibach.)
Bassick Company, The. (See Herold, Walter F., assignor.)
Bauer Brothers Company, The. (See Bauer, Louis E., assignor.)
Bauer, Louis E., assignor to The Bauer Brothers Company, Springfield, Ohio. Attrition mill. 1,468,436; Sept. 18.
Bauer, Martha V., Washington, D. C. Refrigerator. 1,468,098; Sept. 18.
Beall, John C. W. (See Fuller, Percy W., assignor.)
Beardsley, Charles S., Canton, Ohio. Razor strop. 1,468,491; Sept. 18.
Bechtel, Albert J., Shaker Heights, assignor to The American Multigraph Company, Cleveland, Ohio. Mechanism for making printing-strip holders. 1,468,271; Sept. 18.
Becker, Fred C., Jeannette, assignor to Westmoreland Specialty Company, Grapeville, Pa. Clamping mechanism. 1,467,992; Sept. 18.
Belden, Edward H., assignor, by mesne assignments, to The Willys-Overland Company, Toledo, Ohio. Brake mechanism. 1,468,453; Sept. 18.
Belt, Joseph O., Joplin, Mo. Inner-tube protector. 1,468,099; Sept. 18.
Bendlin, Alfred W., Milwaukee, Wis. Ash receiver. 1,468,372; Sept. 18.
Benensohn, Samuel, Chicago, Ill. Powder bag. 1,468,132; Sept. 18.
Benoit & Mathieu. (See Benoit, A., Mathieu, and Duchesne, assignors.)
Benoit, Antonio, J. L. Mahieu, and H. H. Duchesne, assignors to Benoit & Mathieu, Montreal, Canada. Amplifier. 1,468,437; Sept. 18.
Berg, Hans, assignor to Grand Rapids Chair Company, Grand Rapids, Mich. Buffet. Des. 63,021; Sept. 18.
Berg, Simon, assignor to Michigan Steel Tube Products Company, Detroit, Mich. Machine for sizing tubing. 1,468,272; Sept. 18.
Berger, Francis. (See Blanc, M., and Berger.)
Berry, Charles L. (See Quist, John, assignor.)
Bese, John B., Alsen, N. Dak. Road fence. 1,468,553; Sept. 18.
Bethlehem Steel Company. (See Schenck, C., Bassett, and Ibach, assignors.)
Bippart, Achill, South Orange, N. J. Bar pin. 1,468,255; Sept. 18.
Black, Joseph J., assignor to The Master Tire & Rubber Company, Dayton, Ohio. Tire. Des. 63,022; Sept. 18.
Blackman, Mabel, L. K. Hosier, and E. B. McKee, New York, N. Y.; said Blackman assignor to said Hosier and said McKee. Drinking-glass holder. 1,468,256; Sept. 18.
Blair, James B., deceased; O. M. Blair, administratrix, assignor, by mesne assignments, to O. M. Blair, Decatur, Ill. Automobile signal. 1,467,993; Sept. 18.
Blair, Ora M. (See Blair, James B., assignor.)
Blair, Ora M., administratrix. (See Blair, James B.)
Blake, George W., assignor to The George W. Blake Manufacturing Company, Wyandotte, Mich. Fly-swatting device. 1,468,373; Sept. 18.
Blake, George W., Manufacturing Company, The. (See Blake, George W., assignor.)

Blanc, Marius, and F. Berger, St. Etienne, France. Pruning implement. 1,468,554; Sept. 18.
Bliss, E. W., Co. (See Towne, Walter M., assignor.)
Bliss, E. W., Company. (See Klocke, William, assignor.)
Blood, Burr B., assignor, by mesne assignments, to Jewel Phonoparts Company, Chicago, Ill. Tone arm for phonographs. 1,468,224; Sept. 18.
Bocel, Thomas L. (See Fippins, Benjamin F., assignor.)
Boehringer Sohn Chemische Fabrik. (See Stenzl, Hans, assignor.)
Boettcher, Arthur H. (See Jennings, James J., assignor.)
Boggs Mfg. Corp. (See Hoxter, Allen T., assignor.)
Bohland, Carl P., St. Paul, Minn. Washing bowl. 1,467,994; Sept. 18.
Bonom, Alfred, Paterson, N. J. Propelling blades for reversible steam turbines. 1,468,555; Sept. 18.
Booth, John T., Birmingham, England. Internal-combustion engine. 1,468,225; Sept. 18.
Borden, Charles R. C., Brookline, Mass. Valve. 1,468,273; Sept. 18.
Borgfeldt, George, & Co. (See Sander, Alfred H., assignor.)
Bose, August Z., Willits, Calif. Flour sifter. 1,468,454; Sept. 18.
Bottomley, Clarence D., Charlotte, Mich. Electric switch. 1,468,192; Sept. 18.
Bourdon, Edmond N., Chicago, Ill. Ice-cream cabinet. 1,468,133; Sept. 18.
Bourjois, A., & Co. (See Douglas, Bernard M., assignor.)
Bower & Bartlett, Inc. (See Bartlett, Harry O., assignor.)
Bowers, David, executor. (See Wootten, Charles T.)
Bridgewater, Herbert E., Syracuse, assignor to Remington Typewriter Company, Ilion, N. Y. Typewriting machine. 1,467,995; Sept. 18.
Bridgewater, Herbert E., Syracuse, assignor to Remington Typewriter Company, Ilion, N. Y. Typewriting machine. 1,467,996; Sept. 18.
Bridgewater, Herbert E., Syracuse, assignor to Remington Typewriter Company, Ilion, N. Y. Typewriting machine. 1,468,274; Sept. 18.
Briggs, Harry E., Anderson, Ind. Dispensing apparatus. 1,468,275; Sept. 18.
Bristol, William H., Waterbury, Conn. Multiple sound-reproducing apparatus. 1,468,455; Sept. 18.
Bristol, William H., Waterbury, Conn. Thermoelectric couple. 1,468,456; Sept. 18.
Broberg, Isidor, Skarsatra, Lidingon, assignor to Aktiebolaget Ljungströms Angturbin, Stockholm, Sweden. Coal bunker for locomotives. 1,467,997; Sept. 18.
Brocker, Frederick C., assignor of one-half to S. C. Farnham, Oakland, Calif. Nonglare device for headlights. 1,468,276; Sept. 18.
Bronstein, Samuel, St. Paul, Minn. Nonstretchable mattress. 1,468,277; Sept. 18.
Brookins, Earl, Glendale, Calif. Cut-out for mufflers of explosive engines. 1,468,492; Sept. 18.
Brooks, Edward J., East Orange, N. J. Seal. 1,468,352; Sept. 18.
Brown, Hudson, Chicago, Ill. Railway gate. 1,468,278; Sept. 18.
Brown, Theophilus, assignor to Deere & Company, Moline, Ill. Wheel. 1,467,999; Sept. 18.
Brown, William, Annandale, New South Wales, Australia. Combustion engine. 1,467,998; Sept. 18.
Brown, William T. S., East Point, Ga. Knockdown container. 1,468,340; Sept. 18.
Brunner, Harold E., Larchmont, N. Y., and W. Jetter, Collingswood, N. J., assignors to The Hose-Bright Manufacturing Company. Journal bearing. 1,468,134; Sept. 18.
Brunswick-Balke-Collender Company, The. (See Nystrom, Martin, assignor.)
Brunswick-Balke-Collender, The. (See Redfield, Howard A., assignor.)
Buckham, George T. (See Dawson, A. T., Buckham, and Larsson.)
Buedingen, Robert, Rochester, N. Y. Container. 1,468,000; Sept. 18.
Bull, William F., New York, N. Y. Magazine crayon and lead holder. 1,468,001; Sept. 18.
Bullard, Charles M., Appleton, Wis. Method of and apparatus for treating liquids. 1,468,353; Sept. 18.
Burch, Henry K., Los Angeles, Calif. Tailings cone. 1,468,374; Sept. 18.
Bush, Charles F., Philadelphia, Pa. Flying machine. 1,468,257; Sept. 18.
Bussanich, John, Dockton, Wash. Milk-can perforator and protector. 1,468,438; Sept. 18.
Caddin, William C., Donalsonville, Ga. Valve lifter. 1,468,258; Sept. 18.
Caldwell, William L., assignor, by mesne assignments, to United Alloy Steel Corporation, Canton, Ohio. Metallic flume. 1,468,493; Sept. 18.
Caldwell, William L., assignor, by mesne assignments, to United Alloy Steel Corporation, Canton, Ohio. Metallic flume. 1,468,494; Sept. 18.
Caldwell, William L., assignor, by mesne assignments, to United Alloy Steel Corporation, Canton, Ohio. Metallic flume. 1,468,495; Sept. 18.
Caldwell, William L., assignor, by mesne assignments, to United Alloy Steel Corporation, Canton, Ohio. Metallic flume. 1,468,496; Sept. 18.
Cameron, Thomas C., assignor to Imperial Furniture Company, Grand Rapids, Mich. Tea wagon. Des. 63,023; Sept. 18.
Camp, Ernest, and A. F. Schatzel, San Diego, Calif. Ear protector. 1,468,556; Sept. 18.
Canby, Amos G., Detroit, Mich. Can-top fastener. 1,468,375; Sept. 18.
Carborundum Company, The. (See Hartmann, Miner L., assignor.)
Caretto, John F., Brooklyn, N. Y. Adjustable gun stock. 1,468,354; Sept. 18.
Carlin, Arvid F., Mamaroneck, N. Y. Fan-operating means. 1,468,617; Sept. 18.
Carlson, Egnar C., Rockford, Ill. Holder for machinists' scales and pencils. 1,468,002; Sept. 18.
Carlson, Eric V. (See Johnson, E. S., and Carlson.)
Carlson, Ernest H., Clay Center, Kans. Tractor-plow adjustment lever. 1,468,194; Sept. 18.
Carpenter, Campbell C., assignor to U. S. Light & Heat Corporation, Niagara Falls, N. Y. Storage-battery practice. 1,468,259; Sept. 18.
Carr, Isaac H., Cincinnati, Ohio. Automatic gas-shut-off valve. 1,468,135; Sept. 18.
Carson, Charles E., Allegan, assignor of one-fifth to F. E. Royce, Grand Rapids, Mich. Piston-ring manufacture. 1,468,355; Sept. 18.
Carter, Lester L., San Francisco, Calif. Gas and water separator for oil wells. 1,468,193; Sept. 18.
Carter, Robert E., Champaign, Ill. Battery rejuvenator. 1,468,341; Sept. 18.
Casciani, Romildo, Trenton, N. J. Combination tray and condiment holder. Des. 63,024; Sept. 18.
Cassady, Charles D., Orlando, Fla. Insecticide. 1,468,342; Sept. 18.
Cassano, Erminio, Wellesley, assignor to Everbest One Piece Shoe Co., Boston, Mass. Shoe. 1,468,591; Sept. 18.
Cavanagh, Patrick J., Petone, New Zealand. Means for use in the discharging of coal and other materials from ships' holds, trucks, or the like. 1,468,003; Sept. 18.
Cavicchioli, Dante, New York, N. Y. Toy shooter. 1,468,004; Sept. 18.
Challenge Cutlery Corporation. (See Primrose, William E., assignor.)
Chambon, Louis. (See Letort, A., and Chambon.)
Champagne, Henry J., Pittsfield, Mass. Inkwell. 1,468,067; Sept. 18.
Chapin, William A. (See Ray, A. J., and Chapin.)
Chase, John C. (See Purnell, W. J., Chase, and Young.)
Chatterley, Ernest R., Flandreau, S. Dak. Feed-bag fastener. 1,468,136; Sept. 18.
Cherington, George T., Waukegan, Ill. Automatic stop for phonographs. 1,468,279; Sept. 18.
Chevola, Henry A. (See Mossi, C. B., and Chevola.)
Chipperfield, Walter, Hornchurch, England, assignor, by mesne assignments, to A. B. Dick Company, Chicago, Ill. Duplicating and like printing machine. 1,468,457; Sept. 18.
Chocolate Sponge Co., The. (See Laskey, William B., assignor.)
Clark, Alva B., Brooklyn, N. Y., and G. Crisson, Hoboken, N. J., assignors to American Telephone and Telegraph Company. Testing circuits. 1,468,101; Sept. 18.
Clark, Sheffield, trustee. (See Mitchell, Harold D., assignor.)
Cleary, William B. (See Rochichar, Joseph, assignor.)
Clerc, Leonard F., Detroit, Mich. Grating for automobile heaters. Des. 63,025; Sept. 18.
Cleveland, Henry B., East Schodack, N. Y. Dewatering machine. 1,468,376; Sept. 18.
Cline, George W., Lake Charles, La. Resilient cushion for the pads of ironing devices. 1,468,557; Sept. 18.
Cloudesley, Oswald, et al. (See Easton, Rowland W., assignor.)
Cloudsley, John L., et al. (See Easton, Rowland W., assignor.)
Coe, Elmore H., Hewlett, N. Y. Antiskid chain. 1,468,280; Sept. 18.
Coeur D'Alene Hardware & Foundry Co. (See Hale, E. L., and Coulson, assignors.)
Colburn, Ernest A. (See Colburn, Herbert C., and E. A.)
Colburn, Herbert C., and E. A., assignors to The Colburn Flotation & Engineering Company, Denver, Colo. Mixing apparatus. 1,468,226; Sept. 18.
Colburn Flotation & Engineering Company, The. (See Colburn, Herbert C., and E. A., assignors.)
Cole, Dwight S., Grand Rapids, Mich. Gas burner. 1,468,356; Sept. 18.
Coleman, David A., Co. (See Hahn, Harry W., assignor.)
Collier, Paul R., Philadelphia, Pa. Tilting headlight device for automobiles and other vehicles. 1,468,260; Sept. 18.
Collins, Frederick H., and M. L. Pellett, Vallejo, Calif. Garbage incineration. 1,468,137; Sept. 18.
Collins, Grellet N., Narberth, Pa. Riddle. 1,468,261; Sept. 18.
Colson, Charles H., Des Moines, Iowa. Parcel-post computing scale. 1,468,227; Sept. 18.
Columbia Graphophone Manufacturing Company. (See Forse, W. T., Jones, and Walters, assignors.)

Combination Machine Company. (See Thom, James C., assignor.)
Comfort, Ethel N. (See Comfort, Ralph M., assignor.)
Comfort, Ralph M., assignor to E. N. Comfort, New York, N. Y. Coupon ticket. 1,468,592; Sept. 18.
Conover, Harvey, Chicago, Ill. Doll. 1,468,281; Sept. 18.
Continental Engineering Corporation. (See Anthony, Marcus O., assignor.)
Coollean, Oscar, trustee. (See Dawson, Baylis M., assignor.)
Cottrell, C. B., & Sons Company. (See Barber, Howard M., assignor.)
Coulombe, Joseph C., Dracut, Mass. Air-compressing means. 1,468,282; Sept. 18.
Coulson, Harry G. (See Hale, E. L., and Coulson.)
Coward, William M., North Sydney, assignor to F. C. Gadsby, Sydney, New South Wales, Australia. Auxiliary air valve. 1,468,283; Sept. 18.
Coyle, Joseph A., and C. H. Roth, Minneapolis, Minn. Screening machine. 1,468,005; Sept. 18.
Cozakos, Peter A., Portland, Oreg. Nonskid tire for vehicle wheels. 1,468,439; Sept. 18.
Crane, Jasper E., and E. G. Loomis, Newark, N. J., assignors to E. I. du Pont de Nemours and Company, Wilmington, Del. Method and apparatus for purifying camphor. 1,468,377; Sept. 18.
Crimp, John A., Ellensburg, Wash., assignor to Aro Metal Products Co. Producing pumps. 1,468,559; Sept. 18.
Crippen, Herbert O., Sanford, Fla. Phonograph. 1,468,138; Sept. 18.
Crisson, George. (See Clark, A. B., and Crisson.)
Croft, Hiram D. (See Perkins, J. L., and Croft.)
Culligan, Joseph G., Los Angeles, Calif. Combination film-frame picture card. 1,468,558; Sept. 18.
Cummings, Edward N., Amesbury, Mass. Throttle-operating device. 1,468,378; Sept. 18.
Cumner, Matthew S., New York, N. Y., and F. W. Geissenhainer, Freehold, N. J., assignors to Nestor Manufacturing Company, Inc., New York, N. Y. Wheel-trimming device. 1,468,357; Sept. 18.
Curbelo, Francisco S., Cienfuegos, Cuba. Machine for cutting and stripping cane. 1,468,195; Sept. 18.
Curzon, John S., Storrs, Utah. Horseshoe. 1,468,196; Sept. 18.
Dahl, Thure E., assignor to Lightolier Company, New York, N. Y. Side panel for lanterns. Des. 63,026; Sept. 18.
D'Alfonso, William R., Oakland, assignor to Universal Telescope Mute Company, San Francisco, Calif. Telescopic mute. 1,468,066; Sept. 18.
Dallen, Frank M., Chicago, Ill. Burner. 1,468,442; Sept. 18.
Daly John J., Newton Center, Mass. Shoe. 1,468,284; Sept. 18.
Dampney, Gerald F., Sydney, New South Wales, Australia. Concrete-slab building construction. 1,468,285; Sept. 18.
Danquard, Thomas, New York, N. Y., assignor to Auto Pneumatic Action Company. Switching mechanism for player pianos. 1,468,139; Sept. 18.
Davis, Benjamin W., Ridley Park, Pa. Train-control safety device. 1,468,286; Sept. 18.
Dawson, Arthur T., G. T. Buckham, and C. A. Larsson, Westminster, London, assignors to Vickers, Limited, London, England. Automatic gun. 1,468,262; Sept. 18.
Dawson, Baylis M., Brooklyn, assignor to O. Coollcan, trustee, New York, N. Y. Carburetor. 1,468,358; Sept. 18.
Dazey Manufacturing Company. (See Stuck, William R., assignor.)
Deakins, Grover C., Anaheim, and L. S. Hamer, Fullerton, assignors of one-third to B. D. McAlvay, Anaheim, and one-third to E. C. Wilson, Los Angeles, Calif. Expansible packing drum for pump pistons and the like. 1,468,458; Sept. 18.
Deakins, Grover C., Anaheim, and L. S. Hamer, Fullerton, assignors of one-third to E. C. Wilson, Los Angeles, and one-third to B. D. McAlvay, Anaheim, Calif. Packing for pump pistons and the like. 1,468,459; Sept. 18.
Deere & Company. (See Brown, Theophilus, assignor.)
Delster Concentrator Company. (See Reiff, Carl F., assignor.)
Delaney, John H., San Francisco, Calif. Producing vermiculated work. 1,468,343; Sept. 18.
Dennis, Clark M., Montclair, N. J., assignor to The Barrett Company. Production of resin. 1,468,440; Sept. 18.
Diamond Match Company, The. (See Nolan, John R., assignor.)
Di Carlo, Donato, Philadelphia Pa. Lid support. 1,468,460; Sept. 18.
Dick, A. B., Company. (See Chipperfield, Walter, assignor.)
Dickenson, Thaddeaus T. (See Horne, H. M., and Dickenson.)
Dickey, Chester D. (See Sheldon, Clarence O., assignor.)
Dickson, James L., Chinook Mont. Artificial denture. 1,468,461; Sept. 18.
Diehl Manufacturing Co. (See Marx, Gustave C., assignor.)
Diehl, Philip J., Butler, Pa. Egg beater. 1,468,560; Sept. 18.
Dingfroglou, John, Portland, Oreg. Oil burner. 1,468,140; Sept. 18.
Dinspel, William H., New York, N. Y., assignor to Atlas Devices Company, Inc. Carrier check for pneumatic-dispatch-tube systems. 1,468,497; Sept. 18.
Dobazeneckl, Bronislaw, Roslyn, N. Y. Metal-shearing device. 1,468,228; Sept. 18.
Doman, Albert E., assignor to Doman Manufacturing Corporation, Elbridge, N. Y. Regulating system for electric generators. 1,468,006; Sept. 18.
Doman, Albert E., assignor to Doman Manufacturing Corporation, Elbridge, N. Y. Regulating system for electric generators. 1,468,007; Sept. 18.
Doman Manufacturing Corporation. (See Doman, Albert E., assignor.)
Dougan, Kennedy, Minneapolis, Minn. Temperature-regulating means. 1,468,102; Sept. 18.
Douglas, Bernard M., assignor to A. Bourjois & Co., Inc., New York, N. Y. Bottle. Des. 63,027; Sept. 18.
Downing Glare Shield Company. (See Downing, Roswell, assignor.)
Downing, Roswell, Oklahoma, assignor to Downing Glare Shield Company, Oklahoma County, Okla. Automobile glare shield. 1,468,197; Sept. 18.
Downing, William F., jr., St. Clair, Mich. Closure for discharge apertures in packages. 1,468,359; Sept. 18.
Dozier, Calvin, Richmond, Ky. Shock absorber. 1,468,614; Sept. 18.
Drake, Alden M. (See Heald, J. N., and Drake.)
Duchesne, Henri H. (See Benoit, A., Nathieu, and Duchesne.)
Dudley, Edward F., Oak Park, assignor to Miehle Printing Press and Manufacturing Company, Chicago, Ill. Registration-feed-board-operating mechanism. 1,468,462; Sept. 18.
Duffey, Walter J., Fort William, Ontario, Canada. Car loader. 1,468,287; Sept. 18.
Dunn, Winslow W., jr., St. Paul, Minn. Tag holder. 1,468,198; Sept. 18.
Du Pont, E. I., de Nemours & Company. (See Andreau, Roland L., assignor.)
Du Pont, E. I., de Nemours and Company. (See Crane, J. E., and Loomis, assignors.)
Durant Motors Incorporated. (See Pfander, Walter F., assignor.)
Dutton, Amelia P., jr., Washington, D. C. Garment. 1,468,141; Sept. 18.
Duval, August N., and P. C. Farris, Brazil, Ind. Furnace. 1,468,498; Sept. 18.
Dyrssen, Waldemar, New York, N. Y. Electrode protector. 1,468,103; Sept. 18.
Dyson, Charles W., U. S. Navy. Process of and apparatus for burning powdered fuel. 1,468,008; Sept. 18.
Eastman, Harry, Darlinghurst, Sydney, New South Wales, Australia. Automatic fire-extinguishing water sprinkler and alarm. 1,468,009; Sept. 18.
Easton, Rowland W., assignor of one-half to J. L. Cloudsley and O. Cloudesley, London, England. Screw conveyer. 1,468,379; Sept. 18.
Ebinger, D. A., Sanitary Mfg. Co., The. (See Ebinger, David A., assignor.)
Ebinger, David A., assignor to The D. A. Ebinger Sanitary Mfg. Co., Columbus, Ohio. Water-closet. 1,468,142; Sept. 18.
Eckert, Carl E., Mason, Tex. Pipe lifter. 1,468,344; Sept. 18.
Edwards, Robert I., Detroit, Mich. Corner-bead clamp. 1,468,463; Sept. 18.
Een, Johannes B., Voss, Norway. Wooden-floor section. 1,468,288; Sept. 18.
Ekström, Gunnar C., and G. Örström, assignors to Aktiebolaget Gebr. Arehns Mekaniska Verkstad, Stockholm, Sweden. Packeting device for boxes and the like. 1,468,010; Sept. 18.
Eldridge, Leonard C., Indianapolis, Ind. Game counter. 1,468,143; Sept. 18.
Elias, Adolph D., Philadelphia, Pa. Life preserver. 1,468,464; Sept. 18.
Elliott, William E., Lynn, Mass. Box. 1,468,229; Sept. 18.
Elsworth, Oswald, Newcastle-upon-Tyne, England. Means for stripping the husks from coconuts. 1,468,011; Sept. 18.
Engnell, Axel, Chicago, Ill. Sound box. 1,468,144; Sept. 18.
Enterprise Manufacturing Company, The. (See Adams, Walter L., assignor.)
Entriken, Emmett W., assignor of eighteen per cent to E. Madieux, Seattle, Wash. Work-measuring attachment for sewing machines. 1,468,145; Sept. 18.
Entwisle and Kenyon Limited. (See Shorrock, James L., assignor.)
Erb, Edmund M., Jersey City, N. J. Air-heating unit. 1,468,593; Sept. 18.
Erickson, Albert, assignor of three-eighths to C. Kratsch, Chicago, Ill., and three-eighths to F. C. Manning, Newark, N. J. Internal-combustion engine. 1,468,465; Sept. 18.
Erickson, Albert, assignor of three-eighths to C. Kratsch, Chicago, Ill., and three-eighths to F. C. Manning, Newark, N. J. Internal-combustion engine. 1,468,466; Sept. 18.
Erskine, John S., assignor to Stover Manufacturing & Engine Co., Freeport, Ill. Coal chute. 1,468,012; Sept. 18.

Eschenbach, Anthony J., Cincinnati, Ohio. Drier for printing presses. 1,468,289; Sept. 18.
Eakes, Luke, Coal Harbor, N. Dak. Sickle bar. 1,468,594; Sept. 18.
Esmarian, Charles, Paterson, N. J. Demountable rim. 1,468,443; Sept. 18.
Essex Motors. (See Whisler, R. H., and Baits, assignors.)
Everbest One Piece Shoe Co. (See Cassano, Erminio, assignor.)
Exposito, Carmine, Connellsville, Pa. Key-ring holder. 1,468,013; Sept. 18.
Farmer, Robert Z., Portland, Oreg., assignor to Automatic Electric Brake Company. Combined hammer and rotary drill. 1,468,345; Sept. 18.
Farnham, Sylvanus C. (See Brocker, Frederick C., assignor.)
Farnsworth, William W., Chicago, Ill. Cleaning apparatus. 1,468,467; Sept. 18.
Farris, Porter C. (See Duval, A. M., and Farris.)
Fellabaum, Newton, Sperry, Okla. Double-acting oil and water pump. 1,468,199; Sept. 18.
Ferris, Walter, assignor to The Oilgear Company, Milwaukee, Wis. Broaching machine. 1,468,595; Sept. 18.
Feybusch, Martin, New York, and S. Severson, Brooklyn, N. Y., assignors to New Jersey Machine Corporation, Hoboken, N. J. Box-making machine. 1,468,146; Sept. 18.
Field, Elijah H., and W. H. Holman, Buford, Ga. Machine for exterminating insects. 1,468,230; Sept. 18.
Finstone, Marx. (See Klein, David, assignor.)
Fippins, Benjamin F., San Francisco, assignor of one-half to T. L. Bocci, Colma, Calif. Sawing machine. 1,468,104; Sept. 18.
Firestone Tire and Rubber Company, The. (See Putt, Edward D., assignor.)
Fisk Rubber Company, The. (See Scherner, John, assignor.)
Fitz Gerald, Alan S., London, England, assignor to General Electric Company. Protective device for electric distribution systems. 1,468,441; Sept. 18.
Fitzgerald Mfg. Co., The. (See Fitzgerald, Maurice F., assignor.)
Fitzgerald, Maurice F., Winsted, assignor to The Fitzgerald Mfg. Co., Torrington, Conn. Vibrator horn. 1,468,444; Sept. 18.
Flint, Charles W., Chicago, Ill. Guide showing comparative express and parcel-post shipping rates. Re15,687; Sept. 18.
Fogel, Herbert B., Philadelphia, Pa. Filler for vehicle tires. 1,468,105; Sept. 18.
Forse, William T., F. W. Jones, jr., and G. Walters, London, England, assignors to Columbia Graphophone Manufacturing Company, Bridgeport, Conn. Phonograph-record material. 1,468,608; Sept. 18.
Forse, William T., F. W. Jones, jr., and G. Walters, London, England, assignors to Columbia Graphophone Manufacturing Company, Bridgeport, Conn. Plastic composition of matter having a basis of cellulose ester. 1,468,609; Sept. 18.
Forsyth, William M., assignor of one-half to J. P. Voss, Dubach, La. Brake for vehicles. 1,468,014; Sept. 18.
Foster Machine Company. (See McKean, John O., assignor.)
Foster, T. Clyde, assignor to Theodore W. Foster & Bro. Co., Providence, R. I. Vanity box. Des. 63,028; Sept. 18.
Foster, T. Clyde, assignor to Theodore W. Foster & Bro. Co., Providence, R. I. Vanity box. Des. 63,029; Sept. 18.
Foster, T. Clyde, assignor to Theodore W. Foster & Bro. Co., Providence, R. I. Vanity box. Des. 63,030; Sept. 18.
Foster, Theodore W., & Bro. Co. (See Foster, T. Clyde, assignor.)
Frangos, Charles S., Newark, N. J. Motion-picture machine. 1,468,499; Sept. 18.
Frasier, Emory M., assignor to I. A. Frasier, Los Angeles, Calif. Automobile storage. 1,468,147; Sept. 18.
Frasier, Isabel A. (See Frasier, Emory M., assignor.)
Free, Edward R., Chicago, Ill. Hand bag. Des. 63,031; Sept. 18.
French, Albert F., deceased, Detroit, Mich.; M. A. French, administratrix. Tacky cloth. 1,468,380; Sept. 18.
French, Mary A., administratrix. (See French, Albert F.)
Frey, Sigmund, Los Angeles, Calif. Attachable spout for liquid containers. 1,468,360; Sept. 18.
Friend, Hardy A., Albert Lea, Minn. Tank heater. 1,468,561; Sept. 18.
Frost, Nels S., Seattle, Wash. Brush. 1,468,445; Sept. 18.
Fuller, Percy W., assignor to J. C. W. Beall, Washington, D. C. Magneto. 1,468,500; Sept. 18.
Fulton, Charles W., Bishopbriggs, near Glasgow, Scotland. Wheel. 1,468,263; Sept. 18.
G. C. A. Manufacturing Company, The. (See Grinnell, Harold D., assignor.)
Gadsby, Frederick C. (See Coward, William M., assignor.)
Gaess, Helmuth J., Palisade, N. J., assignor to Vesco Bait Co., New York, N. Y. Artificial bait. 1,468,148; Sept. 18.
Gallatin, Dwight S., Pittsburgh, Pa. Card game. 1,468,290; Sept. 18.
Gamm, Charles C., St. Paul, Minn., assignor to Waldorf Paper Products Company. Carton-sealing machine. 1,468,015; Sept. 18.
Gedeon, James, and W. Miller, Cleveland, Ohio. Child's vehicle. 1,468,346; Sept. 18.
Gehlbach, Walter, Independence, Kans. Swab. 1,468,017; Sept. 18.
Geissenhainer, Frederick W. (See Cumner, M. S., and Geissenhainer.)
General Electric Company. (See Fitz Gerald, Alan S., assignor.)
General Electric Company. (See Langmuir, Irving, assignor.)
General Electric Company. (See Pacz, Aladar, assignor.)
General Electric Company. (See Salz, Frederick W., assignor.)
General Fastener Company. (See Johnson, E. S., and Enrison, assignors.)
Genett, Louis J., assignor of one-half to J. M. Longyear, jr., Marquette, Mich. Piston-ring remover. 1,468,291; Sept. 18.
Gensler, Arthur F. (See Weske, G. J., Gensler, and Prange.)
Gerhardt, Oscar, Berlin-Lichterfelde, Germany. Method of and system for determining from an aircraft the elevation above the ground. 1,468,018; Sept. 18.
Gerlach, Oscar, La Salle, Ill. Heat-insulating material and manufacture. 1,468,149; Sept. 18.
Gesellschaft für Schiffsausrustung und Davitbau. (See Sieurin, Paul W., assignor.)
Giles, Eugene. (See Williams, Frank C., assignor.)
Gilman, George W., jr., assignor to American Metals Co., Janesville, Wis. Clip for pens, pencils, and the like. 1,468,502; Sept. 18.
Girard, Louis R., Fall River, Wis. Confection-cone tray. 1,468,563; Sept. 18.
Glistridis, Angelus E., New York, N. Y. Candle. Des. 63,032; Sept. 18.
Goldbeck, Herman L., Tyler, Tex. Track tool. 1,468,231; Sept. 18.
Goldsmith, David, Newark, N. J. Garment hanger. 1,468,200; Sept. 18.
Goodman, Jacob, Chicago, Ill. Electric motor. 1,468,150; Sept. 18.
Goodrich, B. F., Company, The. (See Ayres, Hiram D., assignor.)
Goodrich, B. F., Company, The. (See Schick, Edward L., assignor.)
Gordon, Daniel, New York, N. Y. Incandescent lamp. 1,468,264; Sept. 18.
Goulding, James, Richmond, Victoria, Australia. Sidecar chassis. 1,468,201; Sept. 18.
Graebner, Otto F., assignor to The Willys-Overland Company, Toledo, Ohio. Means for securing finish to metal bodies. 1,468,468; Sept. 18.
Graham, Howell E., Birmingham, Ala. Apparatus for marking sign-painters' cloth. 1,468,446; Sept. 18.
Grand Rapids Chair Company. (See Berg, Hans, assignor.)
Grapperhaus, Frederick W., Chicago, Ill. Flue structure. 1,468,016; Sept. 18.
Graves, Forrest G., McCook, Nebr. Skate sharpener. 1,468,347; Sept. 18.
Grayson, James H., Kansas City, Mo. Window screen. 1,468,232; Sept. 18.
Great Northern Paper Company. (See Walker, George K., assignor.)
Green, Daniel F., Portland, and J. F. Stedman, Tigard, Oreg.; said Green assignor to said Stedman. Band-saw. 1,468,381; Sept. 18.
Green, Harold, Yonkers, N. Y., and W. M. Lyman, assignors to Revolvator Company, Jersey City, N. J. Truck. 1,468,469; Sept. 18.
Green, Morris, Southbridge, Mass. Antiskid device. 1,468,382; Sept. 18.
Greene, Ida, assignor of one-half to E. Albertson, Darlington, Wis. Culinary article. 1,468,564; Sept. 18.
Griffith, William C., Merrill, Oreg. Means for connecting excavating scoops or shovels to tractors. 1,468,470; Sept. 18.
Grinnell, Harold D., assignor to The G. C. A. Manufacturing Company, Pittsfield, Mass. Lamp-bulb installing and removing device. 1,468,348; Sept. 18.
Grinnell, Harold D., assignor to The G. C. A. Manufacturing Company, Pittsfield, Mass. Clutch. 1,468,349; Sept. 18.
Guerrant, John L., Sedalia, Mo. Freight-car door. 1,468,019; Sept. 18.
Gustafson, Adolph P., assignor to M. Schulz Company, Chicago, Ill. Pneumatic action. 1,468,361; Sept. 18.
Guth, William T., Brooklyn, N. Y. Self-cleaning lavatory. 1,468,565; Sept. 18.
Guttenstein, Joseph, and I. Kritzer, New York, N. Y. Heating attachment for cake mixers. 1,468,615; Sept. 18.
Guy, Albert E., U. S. Army. Pressure gauge. 1,468,383; Sept. 18.
Haag, Alfred H., Baltimore, Md. Talking-machine cabinet. 1,468,233; Sept. 18.
Hadaway, William S., jr., New Rochelle, N. Y. Electric heater. 1,468,106; Sept. 18.
Hagemann, Carl W., administrator. (See Werbeck, Walter G.)

Hahn, Harry W., assignor to David A. Coleman Co., Inc., Los Angeles, Calif. Stencil-printing machine. 1,468,384; Sept. 18.
Hale, Ellis L., and H. G. Coulson, assignors to Coeur D'Alene Hardware & Foundry Co., Wallace, Idaho. Railway dump car. 1,468,350; Sept. 18.
Hall, Emmett C., Delray, Fla. Typewriter keyboard. 1,468,566; Sept. 18.
Hamer, Leland S. (See Deakins, G. C., and Hamer.)
Hamilton, Bertis F., Flint, Mich. Nut-tapping machine. 1,468,501; Sept. 18.
Hamric, Grover B., Widen, W. Va. Trolley pole. 1,468,265; Sept. 18.
Hanson, Martin, St. Paul, Minn. Automatic drain valve. 1,468,068; Sept. 18.
Harker, Lee A. (See Wells, A. S., and Harker.)
Harris, Francis R., Columbus, Ohio, and L. Hollander, assignors to Morris Can Closure Company, New York, N. Y. Can closure. 1,468,202; Sept. 18.
Harsen, Jacob, New York, N. Y. Roadway gate. 1,468,471; Sept. 18.
Hart, Frederick A. See Poole, A. F., and Hart.
Hartmann, Miner L., assignor to The Carborundum Company, Niagara Falls, N. Y. Safe or vault plate. 1,468,362; Sept. 18.
Hassler, Robert H., Indianapolis, Ind. Spring suspension. Re15,686; Sept. 18.
Hausfeld, Bernard J., assignor, by mesne assignments, to The Lunken Window Company, Cincinnati, Ohio. Roller spring control. 1,468,107; Sept. 18.
Heald, James N., and A. M. Drake, assignors to Heald Machine Company, Worcester, Mass. Internal-grinding machine. 1,468,151; Sept. 18.
Heald Machine Company. (See Heald, J. N., and Drake, assignors.)
Hebert, Erminie, Hammond, La. Bread toaster. 1,468,069; Sept. 18.
Heine, Ferdinand H., assignor, by mesne assignments, to Koehring Company, Milwaukee, Wis. Paver-mixer crane. 1,468,472; Sept. 18.
Heise, George W., Elmhurst, N. Y., assignor to Union Carbide & Carbon Research Laboratories, Inc. Depolarizer and preparing the same. 1,468,234; Sept. 18.
Heisler, Otto, Milwaukee, Wis. Clothes wringer. 1,468,447; Sept. 18.
Hem, Halvor O., assignor to Toledo Scale Company, Toledo, Ohio. Weighing scale. 1,468,020; Sept. 18.
Hemstreet, George P., Hastings-upon-Hudson, N. Y. Container. 1,468,152; Sept. 18.
Henley, Lucius R. (See Schild, John A., assignor.)
Herold, Walter F., Newark, N. J., assignor to The Bassick Company, Bridgeport, Conn. Caster bracket. 1,468,293; Sept. 18.
Hess-Bright Manufacturing Company. (See Brunner, H. E., and Jetter, assignors.)
Hetherington, John. (See Snazelle, O. H., Hetherington, and Mclldowie.)
Hewitt, John N., and J. E. Adams, Oklahoma, Okla. Gas saver. 1,468,070; Sept. 18.
Hildebrandt, Ernest R., St. Paul, Minn. Adjustable core box. 1,468,202; Sept. 18.
Hill, Frank C., Chicago, Ill. License-plate holder. 1,468,153; Sept. 18.
Hill, Horace H., Arlington, Mass. Dump body. 1,468,294; Sept. 18.
Hoar, Samuel, Virginia, assignor to Rex Loading and Engineering Company, Duluth, Minn. Mechanical shovel. Re15,685; Sept. 18.
Hobbs, Frank C., Buffalo, N. Y. Automatic stop for sound-reproduction apparatus. 1,468,295; Sept. 18.
Hodges, Wilbur B., Brownsville, S. C. Rotary bin. 1,468,108; Sept. 18.
Hodgson, William, Gisborne, New Zealand. Stand for electric irons. 1,468,296; Sept. 18.
Hoe, R., and Co. (See Raabe, Otto L., assignor.)
Hoffman William M., Buffalo, N. Y., assignor, by mesne assignments, to Oil Fuel Engineering Corporation. Method and apparatus for burning hydrocarbons. 1,468,021; Sept. 18.
Hogan, Ada, Brooklyn, assignor, by mesne assignments, to C. W. Armbrust, Albany, N. Y. Device for condensing the moisture in the breath. 1,468,298; Sept. 18.
Hogg, John S., and H. Lane, Wednesfield, England. Clip for pipes or tubes. 1,468,297; Sept. 18.
Holifield, Joseph A., Mobile, Ala., assignor to White Fuel Oil Engineering Corporation, New York, N. Y. Self-regulating motor-generator set for arc welding. 1,468,154; Sept. 18.
Holifield, Joseph A., Mobile, Ala., assignor to White Fuel Oil Engineering Corporation, New York, N. Y. Self-regulating arc-current generator. 1,468,155; Sept. 18.
Holifield, Joseph A., Mobile, Ala., assignor to White Fuel Oil Engineering Corporation, New York, N. Y. Arc-welding apparatus. 1,468,156; Sept. 18.
Holifield, Joseph A., Noble, Ala., assignor to White Fuel Oil Engineering Corporation, New York, N. Y. Inherently-regulated dynamotor. 1,468,157; Sept. 18.
Holifield, Joseph A., Mobile, Ala., assignor to White Fuel Oil Engineering Corporation, New York, N. Y. Arc welding apparatus. 1,468,158; Sept. 18.
Holifield, Joseph A., Mobile, Ala., assignor to White Fuel Oil Engineering Corporation, New York, N. Y. Constant-current dynamotor for individual arc circuits. 1,468,159; Sept. 18.
Hollander, Louis. (See Harris, F. R., and Hollander.)
Holman, William H. (See Field, E. H., and Holman.)
Holmes, Edward. (See Lightner, A. D., and Holmes.)
Holmes Electric Protective Company. (See Roe, William C., assignor.)
Honabach, Clarence W., Glenlyon, Pa. Internal-combustion engine. 1,468,567; Sept. 18.
Hooker Electrochemical Company. (See Townsend, Clinton P., assignor.)
Hopkins, Evan, St. Paul, Minn. Cooking and heating stove. 1,468,300; Sept. 18.
Hormel, August. (See Wagner, C., and Hormel.)
Horn, Theodore, Cicero, Ill. Ventilator. 1,468,160; Sept. 18.
Horne, Hugh M., and T. T. Dickenson, Jacksonville, Fla. Automobile top construction and curtain therefor. 1,468,203; Sept. 18.
Horton, James D., Oakland, Calif. Grouser. 1,468,204; Sept. 18.
Hosier, Lillian K. (See Blackman, M., Hosier, and McKee.)
Howard, Henry J. M., Washington, D. C. Pressure-control means. 1,468,109; Sept. 18.
Howard, Stanley R., East Milton, and G. W. Anderson, Norfolk Downs, Mass., assignors, by mesne assignments, to State Street Trust Company, trustee. Package. 1,468,299; Sept. 18.
Howe, Elvin A., Boston, Mass. Innersole. 1,468,363; Sept. 18.
Howe, William L., Overland, Mo. Deflector for automobiles and the like. 1,468,110; Sept. 18.
Hoxter, Allen T., assignor to Boggs Mfg. Corp., Atlanta, N. Y. Sorting-machine belt. 1,468,301; Sept. 18.
Huebner-Bleistein Patents Company. (See Huebner, William C., assignor.)
Huebner, William C., assignor to Huebner-Bleistein Patents Company, Buffalo, N. Y. Photographic-printing apparatus. 1,468,022; Sept. 18.
Hulse, Edison G., assignor to Kelly-Springfield Tire Company, Cumberland, Md. Vehicle tire. Des. 63,033; Sept. 18.
Hydraulic Brake Company. (See Loughead, Malcolm, assignor.)
Hydraulic Press Manufacturing Company, The. (See Stevenson, Francis E., assignor.)
Ibach, Emil. (See Schenck, C., Bassett, and Ibach.)
Imperial Furniture Company. (See Cameron, Thomas C., assignor.)
Imperial Glass Company. (See Oldham, Charles W., assignor.)
J & B Stabilizer Corp. (See Johnson, Paul W., assignor.)
Jacobson, Jacob T., Brooklyn, N. Y. Broom clamp. 1,468,568; Sept. 18.
Jamrog, Wojciech G., Saginaw, Mich. Coal-car support. 1,468,266; Sept. 18.
Japy, Albert P., Berne, near Seloncourt, France. Apparatus for indicating quantities, numbers, and the like. 1,468,235; Sept. 18.
Jennings, James J., Oak Park, assignor to A. H. Boettcher, trustee, Chicago, Ill. File-card holder. 1,468,473; Sept. 18.
Jerdone, Francis, jr., assignor to The Willys-Overland Company, Toledo, Ohio. Hub-cap-locking device. 1,468,474; Sept. 18.
Jetter, William. (See Brunner, H. E., and Jetter.)
Jewel Phonoparts Company. (See Blood, Burr B., assignor.)
Johnsen, George M., Brooklyn, N. Y. Bullet. 1,468,113; Sept. 18.
Johnson, Carl O., Havelock, Nebr. Automobile and vehicle track for bridges. 1,468,364; Sept. 18.
Johnson, Elvin H., Chicago, Ill. Tire tread. Des. 63,034; Sept. 18.
Johnson, Elvin H., Chicago, Ill. Tire tread. Des. 63,035; Sept. 18.
Johnson, Elvin H., Chicago, Ill. Tire tread. Des. 63,036; Sept. 18.
Johnson, Ernest S., and E. V. Carlson, assignors to General Fastener Company, Brockton, Mass. Fastener. 1,468,612; Sept. 18.
Johnson, John A., Mankato, Minn. License-tag holder. 1,468,449; Sept. 18.
Johnson, Paul W., assignor to J & B Stabilizer Corp., Tacoma, Wash. Auxiliary steering device. 1,468,448; Sept. 18.
Johnson, Sophia B., Boston, Mass. Traction plate for use with motor-vehicle wheels. 1,468,023; Sept. 18.
Johnston, Cyril F., and H. N. Walford, Croydon and Lewisham, London, England. Striking and chiming clock. 1,468,267; Sept. 18.
Johnston, James T. M., London, England. Heater for bitumen or other materials. 1,468,365; Sept. 18.
Jones, Edward S., Mobile, Ala. Automatic life-saving fender for automobiles. 1,468,112; Sept. 18.
Jones, Frederick W., jr. (See Forse, W. T., Jones, and Walters.)
Jones, Joe E., Lockhart, Tex. Casket support. 1,468,111; Sept. 18.

Julian, Isaac, Chatfield, Minn. Chick feeder. 1,468,205; Sept. 18.
Jullin, Alexis J., St.-Cloud, France. Apparatus for regulating the voltage of dynamos. 1,468,024; Sept. 18.
Kaiser, Fred H., Ainsworth, Nebr. Foot-power swing chair. 1,468,569; Sept. 18.
Karajan, Roman. (See Wodonos, Stephen, assignor.)
Karr, Francis, Holland, Mich. Cushion. 1,468,268; Sept. 18.
Kasley, Alexander T., Lester, Pa., assignor to Westinghouse Electric & Manufacturing Company. Steering gear. 1,468,236; Sept. 18.
Keffer, Joseph W., Chicago, Ill. Timber clamp. 1,468,476; Sept. 18.
Keffer, Joseph W., Newark, N. J. Clamp for connecting angularly-arranged pieces of material. 1,468,478; Sept. 18.
Kehn, John J., Toledo, Ohio. Box. 1,468,237; Sept. 18.
Keller, Albert T., Baltimore, Md. Reversing valve. 1,468,502; Sept. 18.
Kelly, Albert A., London, England. Preparation of sodium decaborate or the like direct from boron ores. 1,468,366; Sept. 18.
Kelly-Springfield Tire Company. (See Hulse, Edison G., assignor.)
Kelly, Winfield S., Oroville, Calif. Shelf, drawer, and box dividing device. 1,468,269; Sept. 18.
Kendrick, James R., Essex, Ontario, Canada. Tractor control. 1,468,114; Sept. 18.
Kent, Edward, London, England. Apparatus for playing parlor games. 1,468,531; Sept. 18.
Kent, Orion E., Grand Rapids, Mich. Mandrel. 1,468,270; Sept. 18.
Kenworthy, James A., Los Angeles, Calif. Gas burner. 1,468,302; Sept. 18.
Kiessling, Fred W. (See Remington, A. L., and Kiessling.)
Kimmel, Jess D., Dayton, Ohio. Trolley wheel. 1,468,503; Sept. 18.
King, Edward J. (See Allen, Edwin, assignor.)
King, Fred B., assignor to The Willys-Overland Company, Toledo, Ohio. Spring seat structure. 1,468,477; Sept. 18.
King, James, Auckland, New Zealand. Vacuum pulsator-actuated mechanism. 1,468,238; Sept. 18.
King, Joshua R. (See King, William O. and J. R.)
King, Walter H., Denver, Colo. Match-holding cigarette container. 1,468,504; Sept. 18.
King, William O., Sidney, and J. R. King, New Haven, N. Y. Machine for spreading crushed stone and other material. 1,468,302; Sept. 18.
Kivikink, August E., and E. Nilson, Indiana Harbor, Ind. Antiglare screen for automobiles. 1,468,115; Sept. 18.
Klancke, John. (See Radke, A. T., and Klancke.)
Klein, David, New York, assignor to M. Finstone, Brooklyn, N. Y. Clip for fountain pens. 1,468,025; Sept. 18.
Klocke, William, New York, assignor to E. W. Bliss Company, Brooklyn, N. Y. Drawing press. 1,468,304; Sept. 18.
Klugh, Bethune G., Anniston, Ala. Seal joint for sintering and gas-treating apparatus. 1,468,206; Sept. 18.
Knudson, Harney A., Santa Ana, Calif. Mold structure. 1,468,570; Sept. 18.
Koehring Company. (See Heine, Ferdinand H., assignor.)
Kofsky, Henry M., Philadelphia, Pa. Arm for lighting fixtures. Des. 63,037; Sept. 18.
Kohn, Mathias A., Milwaukee, Wis. Garbage incinerator. 1,468,450; Sept. 18.
Kops Brothers, Inc. (See Kops, Daniel, assignor.)
Kops, Daniel, assignor to Kops Brothers, Inc., New York, N. Y. Apparel garment. 1,468,475; Sept. 18.
Korba, Alex, Houston, Pa. Rail chair. 1,468,532; Sept. 18.
Kratsch, Charles, et al. (See Erickson, Albert, assignor.)
Kridler, Bernie C., assignor to The Shingle Lock Company, Flint, Mich. Anchoring clip for roofing shingles and the like. 1,468,239; Sept. 18.
Kritzer, Isidor. (See Guttenstein, J., and Kritzer.)
Kunze, Willy, Bremen, Germany. Sender diaphragm for submarine sound signals. 1,468,305; Sept. 18.
Labey, Dennis E., Louisville, Ky. Railway switch. 1,468,533; Sept. 18.
Lamb, Joseph F., assignor to Landers, Frary & Clark, New Britain, Conn. Electrically-heated utensil. 1,468,383; Sept. 18.
Lamica, Edward E., Chester, S. C. Curtain carrier. 1,468,479; Sept. 18.
Lamort, Ernest and M., Vitry-le-Francois, France. Suction box for the manufacture of paper and similar products. 1,468,240; Sept. 18.
Lamort, Marcel. (See Lamort, Ernest and M.)
Lance, Ernst G., Detroit, assignor of one-half to O. C. Russ, Lake Odessa, Mich. Window lock. 1,468,367; Sept. 18.
Landers, Frary & Clark. (See Lamb, Joseph F., assignor.)
Lane, Henry. (See Hogg, J. S., and Lane.)
Lang, John, Philadelphia, Pa. Shaker. 1,468,534; Sept. 18.
Langmuir, Irving, Schenectady, N. Y., assignor to General Electric Company. Method of and means for amplifying potential variations. 1,468,116; Sept. 18.
Langston, Johnson D., Birmingham, Ala. Oil burner. 1,468,480; Sept. 18.
La Rizza, Louis, Revere, Mass. Safety bathing suit. 1,468,505; Sept. 18.
Larsen, Arnold, Indianapolis, Ind. Combined torque rod and muffler. 1,468,241; Sept. 18.
Larsson, Carl A. (See Dawson, A. T., Buckham, and Larsson.)
Laskey, William B., Marblehead, Mass., assignor, by mesne assignments, to The Chocolate Sponge Co., Inc., Brooklyn, N. Y. Die for making porous candies. 1,468,535; Sept. 18.
Laughlin, Elmyr A., Oregon, Ill. Car mounting. 1,468,596; Sept. 10.
Lavoie, Joseph P., Montreal, Quebec, Canada. Driving mechanism. 1,468,413; Sept. 18.
Lawter, Alva H. (See Lawter, Thomas F., and A. H.)
Lawter, Thomas F. and A. H., Newcastle, Ind. Combustion-promoting device. 1,468,536; Sept. 18.
Laystrom, Hilding A., Chicago, Ill. Bicycle stand. 1,468,161; Sept. 18.
Lea, Lillian M., Tottenville, N. Y. Shampoo cup. 1,468,537; Sept. 18.
Le Marie, Joseph W., New York, N. Y. Priming device. 1,468,162; Sept. 18.
Lengyel, Thomas, Buffalo, N. Y. Food grater. 1,468,311; Sept. 18.
Letort, Alfred, and L. Chambon, Paris, France. Apparatus for compressing sugar or the like. 1,468,242; Sept. 18.
Levalliant, Louis, et al. (See Studer, Heinrich, assignor.)
Levy, Henry, Brooklyn, N. Y. Baby rattle. 1,468,026; Sept. 18.
Lewis, Francis, and W. W. Miller, Herrin, Ill. Valve. 1,468,506; Sept. 18.
Lewis, Frederick C. (See Olson, Reuben A., assignor.)
Lewis, Lloyd V., Edgewood Borough, assignor to The Union Switch & Signal Company, Swissvale, Pa. Railway-traffic-controlling system. 1,468,597; Sept. 18.
Lewis, Samuel H., Richmond, Va. Fluid-pressure-control apparatus. 1,468,481; Sept. 18.
Leysieffer, Gustav. (See Balke, P., and Leysieffer.)
Libby, George W., Portland, Me. Angle-measuring device. 1,468,598; Sept. 18.
Lightner, Arthur D., and E. Holmes, assignors to The Willys-Overland Company, Toledo, Ohio. Hoisting apparatus. 1,468,482; Sept. 18.
Lightoller Company. (See Dahl, Thure E., assignor.)
Lindberg, John F., Chicago, Ill. Locking mechanism. 1,468,027; Sept. 18.
Linsner, Arthur F., Astoria, N. Y., assignor to New York Blue Print Paper Company. Parallel attachment for drawing boards. 1,468,312; Sept. 18.
Longino, Hugh E., Magnolia, Ark. Tonsillotome. 1,468,599; Sept. 18.
Longyear, John M., jr. (See Genett, Louis J., assignor.)
Loomis, Evarts G. (See Crane, J. E., and Loomis.)
Loomis, Harry T., Brooklyn, N. Y. Fabric-making machine. 1,468,483; Sept. 18.
Loughead, Malcolm, Detroit, Mich., assignor, by mesne assignments, to Hydraulic Brake Company, Los Angeles, Calif. Braking apparatus. 1,468,600; Sept. 18.
Loughead, Malcolm, Detroit, Mich., assignor, by mesne assignments, to Hydraulic Brake Company, Los Angeles, Calif. Hose fitting. 1,468,601; Sept. 18.
Loughead, Malcolm, Detroit, Mich., assignor, by mesne assignments, to Hydraulic Brake Company, Los Angeles, Calif. Brake-operating mechanism. 1,468,602; Sept. 18.
Lowden, James G., Houston, Tex. Safety water gauge. 1,468,117; Sept. 18.
Luftfahrzeugbau Schütte-Lanz. (See Lux, Fritz, assignor.)
Lunken Window Company, The. (See Hausfeld, Bernard J., assignor.)
Lux, Fritz, Mannheim, assignor to the Firm Luftfahrzeugbau Schütte-Lanz, Mannheim-Rheinau, Germany. Producing a cold glue from blood. 1,468,313; Sept. 18.
Lyberger, Albert N. (See Strickland, Orlando B., assignor.)
Lyman, Warren M. (See Green, H., and Lyman.)
Lynch, James E., and A. R. Sandt, assignors to Page & Hill Company, Minneapolis, Minn. Pole-puncturing machine. 1,468,484; Sept. 18.
Lyon, Charles H., Chicago, Ill. Smoking pipe. 1,468,306; Sept. 18.
Lyradioni Manufacturing Company. (See Senbrook, Bagster R., assignor.)
McAlvay, Budd D., et al. (See Deakins, G. C., and Hamer, assignors.)
McCarty, Grace F., Chicago, Ill. Toilet-powder package. 1,468,164; Sept. 18.
McCune, Mark, and D. H. Russell, Middleport, Ohio; said Russell assignor to said McCune. Spark-plug shield. 1,468,539; Sept. 18.
McDermott, Louis L., Cremorne, near Sydney, New South Wales, Australia. Lock of safes and strong rooms. 1,468,245; Sept. 18.
McGinley, George M., assignor to G. W. J. Murphy Company, Amesbury, Mass. Foot rest for accelerator pedals. 1,468,571; Sept. 18.
McGraw, Daniel E. (See Stearns, R. O., and McGraw.)
McIldowie, Louis M. (See Snazelle, O. H., Hetherington, and McIldowie.)

McKean, John O., assignor to Foster Machine Company, Westfield, Mass. Tension mechanism. 1,468,486; Sept. 18.
McKean, John O., assignor to Foster Machine Company, Westfield, Mass. Slub catcher. 1,468,487; Sept. 18.
McKean, John O., assignor to Foster Machine Company, Westfield, Mass. Slub catcher. 1,468,488; Sept. 18.
McKean, John O., assignor to Foster Machine Company, Westfield, Mass. Yarn tension device. 1,468,489; Sept. 18.
McKee, Estelle B. (See Blackman, M., Hosier, and McKee.)
McKee, Neal T., London, England, assignor to Superheater Company, New York, N. Y. Swaging machine. 1,468,507; Sept. 18.
McKiernan-Terry Drill Company. (See Riker, Malcolm D., assignor.)
McKinley, Charles W. (See Snell, L. K., and McKinley.)
McMath, John E. (See Townsend, Frank B., assignor.)
McMillan, James, jr., Piedmont, W. Va. Tobacco pipe. 1,468,318; Sept. 18.
MacDonald, James M., East Orange, N. J. Head-lifting detector for golfers. 1,468,386; Sept. 18.
MacLachlan, John C., assignor to Standard Food Products Company, St. Paul, Minn. Spraying and beating head. 1,468,118; Sept. 18.
MacLachlan, John C., assignor to Standard Food Products Company, St. Paul, Minn. Device for reducing liquids to powdered or other condensed form. 1,468,119; Sept. 18.
Mack, Catherine R., Los Angeles, Calif. Bed and douche pan. 1,468,603; Sept. 18.
Mackey, William R., Monroe, Wis. Air-hose stand. 1,468,538; Sept. 18.
Madleux, Eleanor. (See Entriken, Emmett W., assignor.)
Maeda, Rinsai, Seattle, Wash. Fishhook. 1,468,572; Sept. 18.
Mahoney, Daniel H., North Bend, Ohio. Tie-loading machine. 1,468,315; Sept. 18.
Malasky, Peter, assignor of one-half to L. Sawulchik, Detroit, Mich. Nut and bolt lock. 1,468,120; Sept. 18.
Mallalieu, Emile, Rossal Beach, England. Flier of textile machines. 1,468,243; Sept. 18.
Manning, Frederick C., et al. (See Erickson, Albert, assignor.)
Manufacturing Company of America. (See Wootten, Charles T., assignor.)
Marable, William T., El Centro, Calif. Cotton chopper. 1,468,244; Sept. 18.
Marquardt, Frank C., Brooklyn, N. Y., assignor to American Bank Note Company. Inking mechanism for rotary plate-printing machines. 1,468,485; Sept. 18.
Martens, Frantz A., Copenhagen, Denmark. Gluing device for uniting warp threads. 1,468,207; Sept. 18.
Martin, Ella, Bottesford, England. Sparking plug. 1,468,616; Sept. 18.
Marts, Ashley E., and C. E., Darlington, Ind. Valve-spring compressor. 1,468,121; Sept. 18.
Marts, Claude E. (See Marts, Ashley E. and C. E.)
Marx, Gustave C., assignor to Diehl Manufacturing Co., Elizabeth, N. J. Electric motor. 1,468,307; Sept. 18.
Masland, Harvey C., Philadelphia, Pa. Splint for the setting and retaining in place of fractures of the long bones of the limbs. 1,468,387; Sept. 18.
Master Tire & Rubber Company. (See Black, Joseph J., assignor.)
Mathieu, Joseph L. (See Benoit, A., Mathieu, and Duchesne.)
Matson, Ivan M., Chicago, Ill. Fire extinguisher. 1,468,163; Sept. 18.
Maussner, Frederick, Collingswood, N. J., and I. B. Ritter, Philadelphia, assignors to Henry Wilhelm Company, Pittsburgh, Pa. Pneumatic feeding device. 1,468,028; Sept. 18.
May, Joseph. Frankfort-on-the-Main, Germany. Pen cleaner. 1,468,122; Sept. 18.
Mayer, Carl F., assignor to The Swartwout Company, Cleveland, Ohio. Heat-insulating wall. 1,468,573; Sept. 18.
Mayer, Waldemar F., Philadelphia, Pa., assignor to Taylor-Wharton Iron and Steel Company, High Bridge, N. J. Means for operating hydraulic pullback presses. 1,468,604; Sept. 18.
Mayer, Waldemar F., Philadelphia, Pa., assignor to Taylor-Wharton Iron and Steel Company, High Bridge, N. J. Means for controlling hydraulic presses. 1,468,605; Sept. 18.
Mead, Fred J., Newark, N. J. Mold for concrete floor beams of greenhouse benches. 1,468,316; Sept. 18.
Merrick, Herbert L., Passaic, N. J. Electromagnetically-operated counter. 1,468,490; Sept. 18.
Meyer, William C., Beverly, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J. Wax-thread sewing machine. 1,468,317; Sept. 18.
Michigan Steel Tube Products Company. (See Berg, Simon, assignor.)
Miehle Printing Press and Manufacturing Company. (See Dudley, Edward F., assignor.)
Miller, Banks L., San Juan, Tex. Orchard heater. 1,468,540; Sept. 18.
Miller, Charles E., Chicago, Ill. Locomotive arch. 1,468,308; Sept. 18.
Miller, John M., New York, N. Y. Combined pen and pencil. 1,468,123; Sept. 18.
Miller, Royal E., Chicago, Ill., assignor to The Adams & Westlake Company. Water cooler. 1,468,309; Sept. 18.
Miller, Walter W. (See Lewis, F., and Miller.)
Miller, William. (See Gedeon, J., and Miller.)
Mitchell, Harold D., Brooklyn, N. Y., assignor to Sheffield Clark, trustee, Nashville, Tenn. Tire tread. Des. 63,038; Sept. 18.
Molins, Walter E., London, England. Machine for wrapping and packing small articles such as cigarettes. 1,468,246; Sept. 18.
Molloy, Thomas, Roxbury, Mass. Tobacco pipe. 1,468,124; Sept. 18.
Moltrup, James T., Beaver Falls, Pa. Screen. 1,468,369; Sept. 18.
Moore, Charles A., St. Paul, Minn. Camp stove. 1,468,165; Sept. 18.
Moore, James E., Sarasota, Fla. Ground clearing and aerating machine. 1,468,388; Sept. 18.
Morgan, George D., New York, N. Y. Surveying instrument. 1,468,368; Sept. 18.
Morris Can Closure Company. (See Harris, F. R., and Hollander, assignors.)
Morse, Albert W., Forest Hills, assignor to The Anthony Company, Long Island City, N. Y. Nebulizer of liquids. 1,468,370; Sept. 18.
Morse, Harry W., Stanford University, assignor to West End Chemical Company, Oakland, Calif. Concentrating brines. 1,468,389; Sept. 18.
Morse, Harry W., Stanford University, assignor to West End Chemical Company, Oakland, Calif. Concentrating brines. 1,468,390; Sept. 18.
Mosaberg, Frank, Company. (See Tuttle, Walter I., assignor.)
Mossi, Charles B., Brooklyn, and H. A. Chevola, New York, N. Y. Balanced oven door. 1,468,391; Sept. 18.
Mueller, William, Fredericksburg, Tex. Jar closure. 1,468,208; Sept. 18.
Murphy, G. W. J., Company. (See McGinley, George M., assignor.)
Mutschler, William, trustee. (See Woods, Walter R., assignor.)
Nagues, Jesse R., Missoula, Mont. Spot remover. 1,468,541; Sept. 18.
Naquin, Arthur J., Alexandria, La. Grate bar. 1,468,209; Sept. 18.
Nebhut, Alfred F. (See Platts, M. E., and Nebhut.)
Nelson, George W., assignor to The Standard Sewing Machine Company, Cleveland, Ohio. Sewing machine. 1,468,319; Sept. 18.
Nestor Manufacturing Company. (See Cumner, M. S., and Geissenhainer, assignors.)
Neumann, Edward. (See Neumann, Jakob S., assignor.)
Neumann, Jakob S., assignor to E. Neumann, Great Falls, Mont. Fish stop. 1,468,320; Sept. 18.
New England Trust Company, The, trustee. (See Taylor, George N., assignor.)
New Jersey Machine Corporation. (See Feybusch, M., and Severson, assignors.)
Newsom, John F., Palo Alto, Calif. Electric control system. 1,468,321; Sept. 18.
New York Blue Print Paper Company. (See Linsner, Arthur F., assignor.)
Nielsen, Andrew C., Cleveland, Ohio. Toothpick. 1,468,125; Sept. 18.
Nilson, Emil. (See Kivikink, A. E., and Nilson.)
Nilsson, George P., sr., Pasadena, Calif. Elevated aerial trolley transport. 1,468,508; Sept. 18.
Nilsson, Hjalmar. (See Anderson, Ole, assignor.)
Nolan, John R., New York, N. Y., assignor to The Diamond Match Company, Chicago, Ill. Machine for making match books. 1,468,310; Sept. 18.
Noll, Charles, Cleveland, Ohio. Plastic composition. 1,468,029; Sept. 18.
Nystrom, Martin, assignor to The Brunswick-Balke-Collender Company, Chicago, Ill. Sound amplifier. 1,468,166; Sept. 18.
O'Donnell, Elizabeth C. (See O'Donnell, Thomas and E. C.)
O'Donnell, Thomas and E. C., Ironwood, Mich. Envelope. 1,468,071; Sept. 18.
Odom, Daniel E., Bennettsville, S. C. Overwinding preventer. 1,468,322; Sept. 18.
Ogle, Hubert M., Atlanta, Ga. Comfort cushion. 1,468,072; Sept. 18.
Oil Fuel Engineering Corporation. (See Hoffman, William M., assignor.)
Oilgear Company, The. (See Ferris, Walter, assignor.)
Oldham, Charles W., assignor to Imperial Glass Company, Bellaire, Ohio. Glass dish or similar article. Des. 63,039; Sept. 18.
Olson, Reuben A., assignor of one-half to F. C. Lewis, Chicago, Ill. Musical-instrument string. 1,468,323; Sept. 18.
O'Neel, Walter, Shelbyville, Ind. Bottle refrigerator. 1,468,126; Sept. 18.
Ong, Walter C., Columbus, Ohio. Coffeepot attachment. 1,468,411; Sept. 18.
Open Coil Heater & Purifier Company. (See Stickle, Cole, assignor.)
Öraström, Gustaf. (See Ekström, G. C., and Öraström.)
Overman, Roscoe E., Los Angeles, Calif. Drill. 1,468,509; Sept. 18.
Pacz, Aladar, Cleveland, Ohio, assignor to General Electric Company. Tungsten alloy. 1,468,073; Sept. 18.

Page & Hill Company. (See Lynch, J. E., and Sandt, assignors.)
Parker, Frederick R., Chicago, Ill. Voltaic cell. 1,468,514; Sept. 18.
Parker, George D., Riverside, Calif. Table for box-nailing machines. 1,468,392; Sept. 18.
Patten, William, New York, N. Y. Display table. 1,468,247; Sept. 18.
Pearson, Edward I., Toledo, Ohio. Valve. 1,468,030; Sept. 18.
Pecora, John and J. R., Buffalo, N. Y. Curtain rod and shade-roller bracket. 1,468,167; Sept. 18.
Pecora, Joseph R. (See Pecora, John and J. R.)
Peirce, Ralph S., Hinsdale, Ill. Anchoring device. 1,468,014; Sept. 18.
Pellett, Martin L. (See Collins, F. H., and Pellett.)
Perkins Appliance Company. (See Perkins, J. L., and Croft, assignors.)
Perkins, Julian L., West Springfield, and H. D. Croft, Springfield, assignors to Perkins Appliance Company, Springfield, Mass. Rack-broaching machine. 1,468,393; Sept. 18.
Peters, Francis T., Decatur, Ill. Ladder-scaffold bracket. 1,468,412; Sept. 18.
Petersen, Magne H., Christiania, Norway. Copying telegraph. 1,468,542; Sept. 18.
Peterson, Per D., Lidkoping, Sweden. Sparking plug. 1,468,031; Sept. 18.
Peterson, William S., Great Falls, Mont. Ring-turning device. 1,468,127; Sept. 18.
Pfahl, Edward G., Rochester, and J. A. Pfahl, Greece, N. Y. Means for feeding vinegar stock into vinegar generator. 1,468,394; Sept. 18.
Pfahl, Julius A. (See Pfahl, Edward G. and J. A.)
Pfander, Walter F., Yonkers, N. Y., assignor to Durant Motors Incorporated. Headlamp support. 1,468,032; Sept. 18.
Pfander, Walter F., Yonkers, N. Y., assignor to Durant Motors Incorporated. Brake-adjusting means. 1,468,033; Sept. 18.
Pfund, August H., Baltimore, Md. Determining the hiding power of paints and pigments. 1,468,075; Sept. 18.
Pike, Robert D., San Francisco, Calif. Apparatus for calcining and clinkering. 1,468,168; Sept. 18.
Pilkington, John T., Vernon, British Columbia, Canada. Clothespin. 1,468,543; Sept. 18.
Place, Roland P., Company. (See Place, Roland P., assignor.)
Place, Roland P., assignor to Roland P. Place Company, Midland, Mich. Emery-wheel-dressing tool. 1,468,395; Sept. 18.
Plass, Robert H., Upper Montclair, N. J. Spring wheel. 1,468,076; Sept. 18.
Platts, Montraville E., and A. F. Nebhut, Ilion, N. Y. Vegetable slicer. 1,468,210; Sept. 18.
Poole, Arthur F., Pelham Manor, N. Y., and F. A. Hart, New Britain, Conn., assignors to Remington Accounting Machine Corporation, New York, N. Y. Calculating machine. 1,468,510; Sept. 18.
Pope, Otto W., Oklahoma, Okla. Emergency brake lever. 1,468,414; Sept. 18.
Postel, Jacob H., San Mateo, Calif. Fountain brush. 1,468,248; Sept. 18.
Potchernick, George, San Antonio, Tex. Steering wheel. 1,468,324; Sept. 18.
Powell, Winfred T., assignor to The Stromberg-Carlson Telephone Manufacturing Company, Rochester, N. Y. Automatic telephone system. 1,468,249; Sept. 18.
Prange, Oscar H. (See Weske, G. J., Gensler, and Prange.)
Pratt, John T., Tiptonville, Tenn. Tile and fastening means therefor. 1,468,544; Sept. 18.
Preuss, Emile V., Txelle, near Brussels, Belgium. Apparatus for the fabrication of concrete-construction elements. 1,468,325; Sept. 18.
Primrose, William E., assignor to Challenge Cutlery Corporation, Bridgeport, Conn. Wire feeding and cutting-off mechanism. 1,468,511; Sept. 18.
Pritchard, George T., Norfolk, Va. Stencil hand stamp. 1,468,512; Sept. 18.
Purnell, William J., J. C. Chase, and R. S. Young, assignors to Safety Appliances Corporation, Woodlawn, Pa. Quick-adjusting wrench. 1,468,415; Sept. 18.
Putt, Edward D., assignor to The Firestone Tire and Rubber Company, Akron, Ohio. Selvage trimmer. 1,468,396; Sept. 18.
Quaker City Chocolate & Confectionery Company. (See Rosskam, Lester G., assignor.)
Quick Change Chuck Mfg. Co., The. (See Weisenberger, Earl O., assignor.)
Quist, John, Mystic, assignor of one-half to C. L. Berry, Winterset, Iowa. Combined pipe and nut wrench. 1,468,211; Sept. 18.
Raabe, Otto L., Jersey City, N. J., assignor to R. Hoe and Co., New York, N. Y. Paper-roll-reloading device. 1,468,077; Sept. 18.
Radio Corporation of America. (See Frost, Soren O. E. T., assignor.)
Radio Corporation of America. (See Taylor, Albert H., assignor.)
Radio Corporation of America. (See Weagant, Roy A., assignor.)
Radke, August T., and J. Klancke, Hamburg, Minn. Machine for handling motors and testing bearings thereof. 1,468,397; Sept. 18.
Rasmussen, Chris M., Deschutes, Oreg. Muzzle. 1,468,416; Sept. 18.
Ravenor, Wilfrid F., Vancouver, British Columbia, Canada. Oil burner. 1,468,417; Sept. 18.
Ray, Arthur J., and W. A. Chapin, assignors to Automatic Electric Company, Chicago, Ill. Automatic telephone system. 1,468,078; Sept. 18.
Rechichar, Joseph, assignor of forty-five per cent to W. B. Cleary, Plymouth, Pa. Mining machine. 1,468,326; Sept. 18.
Redfield, Howard A., assignor to The Brunswick-Balke-Collender Company, Chicago, Ill. Automatic pin-setting machine. 1,468,212; Sept. 18.
Reed, John, Corbridge-on-Tyne, England. Intake silencer for internal-combustion engines. 1,468,398; Sept. 18.
Reiff, Carl F., Fort Wayne, Ind., assignor to Deister Concentrator Company. Driving mechanism for ore concentrators. 1,468,575; Sept. 18.
Remington Accounting Machine Corporation. (See Poole, A. F., and Hart, assignors.)
Remington, Arthur L., and F. W. Kiessling, assignors to Warp Compressing Machine Company, Worcester, Mass. Attachment for looms. 1,468,576; Sept. 18.
Remington Typewriter Company. (See Bridgwater, Herbert E., assignor.)
Rettinger, William N., Bourbon, Ind. Washing machine. 1,468,399; Sept. 19.
Rettinger, William N., Bourbon, Ind. Gear-shifting device. 1,468,400; Sept. 18.
Revolvator Company. (See Green, H., and Lyman, assignors.)
Rex Loading and Engineering Company. (See Hoar, Samuel, assignor.)
Ridge, Leonard C., Toronto, Ontario, Canada. Filing apparatus. 1,468,213; Sept. 18.
Riker, Malcolm D., Dover, N. J., assignor to McKiernan-Terry Drill Company. Lifting jack. 1,468,034; Sept. 18.
Riopelle, Harry F., Detroit, Mich. Illuminated motor-vehicle signal. 1,468,079; Sept. 18.
Rinesi, Giovanni, Genoa, Italy. Construction of open lifeboats with partially-collapsible sides. 1,468,327; Sept. 18.
Ritter, Isaac B. (See Maussner, F., and Ritter.)
Robaczynski, Ladislaus, Brooklyn, N. Y. Knitting machine. 1,468,513; Sept. 18.
Roberts, Ervin E., Palms, Calif. Power-transmission mechanism. 1,468,401; Sept. 18.
Robey, Ernest W., assignor of a moiety to Underfeed Stoker Company, Limited, London, England. Conveyer or the like. 1,468,545; Sept. 18.
Robinson, Joseph, Morristown, N. J. Driving connection. 1,468,402; Sept. 18.
Robirds, William N., jr., Santa Monica, Calif. Floor buffer. 1,468,080; Sept. 18.
Roe, Emil W. K., assignor to The Aldon Company, Chicago, Ill. Saw. 1,468,514; Sept. 18.
Roe, William C., assignor to Holmes Electric Protective Company, New York, N. Y. Alarm system. 1,468,328; Sept. 18.
Ross, Bestiane D., Brockwayville, Pa. Gate operating and locking mechanism. 1,468,081; Sept. 18.
Ross Clyde P., Chicago, Ill. Combined coal and cinder hoist. 1,468,606; Sept. 18.
Ross, George, Lorain, Ohio. Rubber heel. Des. 63,041; Sept. 18.
Ross, William E., Chicago, Ill. Cloth-surfacing device. 1,468,403; Sept. 18.
Rosskam, Lester G., assignor to Quaker City Chocolate & Confectionery Company, Philadelphia, Pa. Box. Des. 63,042; Sept. 18.
Roth, Charles H. (See Coyle, J. A., and Roth.)
Rowan, Harry B., North Attleboro, Mass., assignor to Whiting & Davis Company. Mesh bag. Des. 63,043; Sept. 18.
Rowan, Harry B., North Attleboro, Mass., assignor to Whiting & Davis Company. Mesh bag. Des. 63,044; Sept. 18.
Royce, Frederick E. (See Carson, Charles E., assignor.)
Rummel, Robert A., Woodridge, N. J. Picture attachment for talking machines. 1,468,547; Sept. 18.
Rundell, Raymond R., Elmira, N. Y. Bead chain and splicer for the same. 1,468,169; Sept. 18.
Russ, Otto C. (See Lance, Ernst G., assignor.)
Russell, Dayton H. (See McCune, M., and Russell.)
Russo, Calogero, Cleveland, Ohio. Vegetable cutter. 1,468,546; Sept. 18.
Russo, Joseph, Passaic, N. J. Antithief milk-bottle holder. 1,468,214; Sept. 18.
Ryan, Thomas A., Yonkers, N. Y. Safety razor. 1,468,082; Sept. 18.
S. T. D. Recording Instrument Corp. (See Walibillich, Anthony F., assignor.)
Saal, Henry G., Chicago, Ill. Speed-governing mechanism. 1,468,083; Sept. 18.
Sacket, Grace H., Racine, Wis. Hat or the like. 1,468,404; Sept. 18.
Safety Appliances Corporation. (See Purnell, W. J., Chase, and Young, assignors.)

Salz, Frederick W., Cleveland, Ohio, assignor to General Electric Company. Device for incandescent lamps. 1,468,084; Sept. 18.
Sampson, Frank A., jr., Kingston, Mass. Tray or sink leg. 1,468,578; Sept. 18.
Sander, Alfred H., Maplewood, N. J., assignor to George Borgfeldt & Co., New York, N. Y. Teapot or similar article. Des. 63,040; Sept. 18.
Sanders, Harold C., Newport, England. Electrical double-pole switching plug. 1,468,577; Sept. 18.
Sandt, Arthur R. (See Lynch, J. E., and Sandt.)
Sargent, Walter E., Detroit, Mich. Die-sinking machine. 1,468,515; Sept. 18.
Savard, Edwin E., Ventura, Calif. Timer. 1,468,405; Sept. 18.
Sawulchik, Lazar. (See Malasky, Peter, assignor.)
Scanlon, Henry P., and J. H. Schumacher, Long Beach, Calif. Swivel block. 1,468,579; Sept. 18.
Schatzel, Albert F. (See Camp, E., and Schatzel.)
Schenck, Charles, C. W. Bassett, and E. Ibach, assignors to Bethlehem Steel Company, Bethlehem, Pa. Metal wheel. 1,468,085; Sept. 18.
Scherner, John, Milwaukee, Wis., assignor to The Fisk Rubber Company, Chicopee Falls, Mass. Wrapping machine. 1,468,610; Sept. 18.
Schick, Edward L., Akron, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y. Ball-winding machine. 1,468,406; Sept. 18.
Schild, John A., assignor to L. R. Henley, Vincennes, Ind. Automatic stop for phonographs. 1,468,170; Sept. 18.
Schiller, Charles F. (See Schiller, John J., assignor.)
Schiller, John J., Chicago, assignor to C. F. Schiller, Cicero, Ill. Explosive engine. 1,468,516; Sept. 18.
Schneider, Walter C., Adams, Wis. Electrical sparking device. 1,468,517; Sept. 18.
Schreiber, John H., St. Louis, Mo. Making piston rings. 1,468,171; Sept. 18.
Schroetter, Arnold, assignor to American White Gold Manufacturing Company, Inc., New York, N. Y. Alloy. 1,468,407; Sept. 18.
Schulenberg, Frederick H., assignor to Vapo Stove Company, Lima, Ohio. Oil valve. 1,468,172; Sept. 18.
Schultz, William C., Walla Walla, Wash. Safety device for electric irons. 1,468,418; Sept. 18.
Schulz, M., Company. (See Gustafson, Adolph P., assignor.)
Schumacher, James H. (See Scanlon, H. P., and Schumacher.)
Schwendler, George M., Appleton, Wis. Tire filler. 1,468,035; Sept. 18.
Scott, Robert W., Babylon, N. Y. Knitting-machine needle. 1,468,518; Sept. 18.
Seabrook, Bagster B., assignor, by mesne assignments, to Lyradion Manufacturing Company, Mishawaka, Ind. Laminated horn and making same. 1,468,519; Sept. 18.
Seeman, Charles E., and L. V. Barach, Pittsburgh, Pa. Billiard cue. 1,468,520; Sept. 18.
Severson, Sigurd. (See Feyhusch, M., and Severson.)
Seymour, Frederick W. (See Weatherlow, J. H., and Seymour.)
Seymour, Mark T., Stowe, N. Y. Electric coffee roaster. 1,468,419; Sept. 18.
Shaw, Henry M., assignor to Sherwood Bros. Mfg. Co. Inc., Canastota, N. Y. Wagon. 1,468,173; Sept. 18.
Shaw, John K., Minneapolis, Minn. Redwood-bark wall board. 1,468,036; Sept. 18.
Sheldon, Clarence O., assignor of one-half to C. D. Dickey, Donna, Tex. Portable stove. 1,468,421; Sept. 18.
Shepard-Thomason Co. (See Thomason, Hjalmar, assignor.)
Shepherd, Fred, Ohley, W. Va. Clothespin. 1,468,037; Sept. 18.
Sherwood Bros. Mfg. Co. (See Shaw, Henry M., assignor.)
Sherwood Bros. Mfg. Co. (See Sherwood, William E., assignor.)
Sherwood, William E., assignor to Sherwood Bros. Mfg. Co. Inc., Canastota, N. Y. Wagon. 1,468,174; Sept. 18.
Sherwood, William E., assignor to Sherwood Bros. Mfg. Co. Inc., Canastota, N. Y. Wagon. 1,468,175; Sept. 18.
Shields, Henry B., Freeport, N. Y. Aeroplane. 1,468,329; Sept. 18.
Shingle Lock Company, The. (See Kridler, Bernie C., assignor.)
Shorrock, James L., assignor to Entwisle and Kenyon Limited, Accrington, England. Carpet sweeper. 1,468,215; Sept. 18.
Sieurin, Paul W., Gottenborg, Sweden, assignor to Gesellschaft für Schiffsauserlatung und Davitbau, Hamburg, Germany. Safety arrangement for launching lifeboats from vessels. 1,468,038; Sept. 18.
Silvestri, Giulio, Trieste, Italy. Process and means for the stepwise variation of the output of multicylinder plunger pumps. 1,468,176; Sept. 18.
Skinner, Lewis B., Denver, Colo. Rabbie apparatus for furnaces. 1,468,216; Sept. 18.
Slough, Frank M., assignor to Stromberg-Carlson Telephone Manufacuring Company, Rochester, N. Y. Measured-service system. 1,468,217; Sept. 18.
Smith, Amos H., Brooklyn, assignor to American Bank Note Company, New York, N. Y. Numbering head. 1,468,521; Sept. 18.
Smith, Franklin H., Burkburnett, Tex. Can holder and perforator. 1,468,041; Sept. 18.
Smith, Michael, Newark, N. J. Drilling-machine mounting. 1,468,087; Sept. 18.
Smith, Perry C., Chicago, Ill. Lubrication coupling. 1,468,040; Sept. 18.
Smith, Raymond D., East Milton, assignor to Tremont Products Corporation, Boston, Mass. Releasable timer mechanism. 1,468,580; Sept. 18.
Smith, Robert B., Stoughton, Mass., assignor, by mesne assignments, to United Shoe Machinery Corporation, Paterson, N. J. Eyeleting. 1,468,039; Sept. 18.
Smith, Robert B., Stoughton, Mass., assignor, by mesne assignments, to United Shoe Machinery Corporation, Paterson, N. J. Eyeleting machine. 1,468,086; Sept. 18.
Snazelle, Oswold H., J. Hetherington, and L. M. McIldowie, London, England. Apparatus for cleaning windows and similar purposes. 1,468,219; Sept. 18.
Snell, Lyle K., and C. W. McKinley, assignors to The Willys-Overland Company, Toledo, Ohio. Support for controlled mechanism. 1,468,522; Sept. 18.
Snyder, Lee R., Caretta, W. Va. Fishplate bond protector. 1,468,177; Sept. 18.
Soane, Charles E., assignor of one-half to Usher-Walker Limited, London, England. Production of plastic compositions. 1,468,331; Sept. 18.
Sonnenthal, Irving, New York, N. Y. Hook latch. 1,468,089; Sept. 18.
Sperry, Elmer A., assignor to The Sperry Gyroscope Company, Brooklyn, N. Y. Synchronous transmission system. 1,468,330; Sept. 18.
Sperry Gyroscope Company, The. (See Sperry, Elmer A., assignor.)
Spiegler, Frederick J., Chicago, Ill. Handle. 1,468,409; Sept. 18.
Sprague, Frank N., Holyoke, Colo. Combined air and liquid shock-absorbing mechanism for automotive vehicles. 1,468,332; Sept. 18.
Stahell, Benedict, et al. (See Studer, Heinrich, assignor.)
Standard Food Products Company. (See MacLachlan, John C., assignor.)
Standard Sewing Machine Company, The. (See Nelson, George W., assignor.)
State Street Trust Company, Trustee. (See Howard, S. R., and Anderson, assignors.)
Stearns, Ralph O., Winthrop, and D. E. McGraw, North Lawrence, N. Y. Pasteurizing device. 1,468,420; Sept. 18.
Stedman, John F. (See Green, D. F., and Stedman.)
Steenberg, Erik, Hellerup, Denmark. Combined churning and emulsifying machine. 1,468,581; Sept. 18.
Steinberger, Louis, Brooklyn, N. Y. Column strain insulator. 1,468,042; Sept. 18.
Steinberger, Louis, Brooklyn, N. Y. Insulator-supporting pin. 1,468,043; Sept. 18.
Steinberger, Louis, Brooklyn, N. Y. Line insulator. 1,468,044; Sept. 18.
Stenzl, Hans, assignor to the Firm of C. H. Boehringer Sohn Chemische Fabrik, Nieder-Ingelheim-on-the-Rhine, Germany, Producing papaverine nitrite. 1,468,607; Sept. 18.
Stevenson, Francis E., assignor to The Hydraulic Press Manufacturing Company, Mount Gilead, Ohio. Hydraulic press. 1,468,523; Sept. 18.
Stickle, Cole, assignor to Open Coil Heater & Purifier Company, Indianapolis, Ind. Steam trap. 1,468,178; Sept. 18.
Stockard, Richard L., Forrest City, Ark. Mud lug. 1,468,582; Sept. 18.
Storey, Andrew W., deceased, Manchester, England; E. G. Storey, administratrix. Barbed wire. 1,468,218; Sept. 18.
Storey, Emily G. (See Storey, Andrew W.)
Stover Manufacturing & Engine Co. (See Erskine, John S., assignor.)
Stransky, Leo G., Pukwana, S. Dak. Vaporizing attachment. 1,468,524; Sept. 18.
Stratton, Edmond F., Newark, N. J. Camera. 1,468,088; Sept. 18.
Strauss, Ferdinand, New York, N. Y. Producing ornamental surfaces. 1,468,525; Sept. 18.
Strickland, Orlando B., assignor of one-half to A. N. Lyberger, Elyria, Ohio. Rocking chair. Des. 63,045; Sept. 18.
Stromberg-Carlson Telephone Manufacturing Company. (See Powell, Winfred T., assignor.)
Stromberg-Carlson Telephone Manufacturing Company. (See Slough, Frank M., assignor.)
Stuck, William R., assignor to Dazey Manufacturing Company, Los Angeles, Calif. Flower-bowl stand. Des. 63,046; Sept. 18.
Studer, Heinrich, assignor to B. Stähelí and L. Levaillant, Zurich, Switzerland. Electric pocket lamp. 1,468,408; Sept. 18.
Sturm, James, Tampico, Ill. Nonskid device for automobile wheels. 1,468,045; Sept. 18.
Superheater Company. (See McKee, Neal T., assignor.)
Sutton, Frank M., Vallejo, Calif. Combined thermostat and time control. 1,468,179; Sept. 18.
Susuki, Umetaro, Tokyo, Japan. Sodium compound of dioxydiaminoarsenobenzene and making the same. 1,468,618; Sept. 18.
Svensson, Svenning H., assignor to Aktiebolaget Bofors, Bofors, Sweden. Machine for the manufacturing of nuts 1,468,046; Sept. 18.

Swartwout Company, The. (See Mayer, Carl F., assignor.)
Szafka, Joseph, Philadelphia, Pa. Wine press. 1,468,047; Sept. 18.
Tabler, Frank C., St. Louis, Mo. Air inlet and mixing device for internal-combustion engines. 1,468,048; Sept. 18.
Talasek, Joseph, Temple, Tex. Spoke-tightening washer. 1,468,000; Sept. 18.
Taylor, Albert H., Grand Forks, N. Dak., assignor to Radio Corporation of America, New York, N. Y. System for receiving radiosignals. 1,468,049; Sept. 18.
Taylor, George N., East Providence, R. I., assignor, by mesne assignments, to The New England Trust Company, trustee. Winding machine. 1,468,583; Sept. 18.
Taylor, Harden F., Chicago, Ill. Refrigerating system. 1,468,050; Sept. 18.
Taylor-Wharton Iron and Steel Company. (See Mayer, Waldemar F., assignor.)
Terrell, John. (See Vaughan, J. B., and Terrell.)
Terroine, Joseph, New York, N. Y. Implement for compressing the valve springs of internal-combustion engines. 1,468,526; Sept. 18.
Thalhammer, Karl W., Los Angeles, Calif. Dissolve mechanism for cameras. 1,468,091; Sept. 18.
Thom, James C., Chicago, Ill., assignor to Combination Machine Company, New York, N. Y. Method and apparatus for sealing cartons. 1,468,333; Sept. 18.
Thomason, Hjalmar, assignor to Shepard-Thomason Co., Los Angeles, Calif. Vehicle wheel remover. 1,468,334; Sept. 18.
Thompson, Henry C., jr., St. Louis, Mo. Storage battery. 1,468,051; Sept. 18.
Thompson, Ralph P., Westover, Md. Gearing for drive wheels. 1,468,410; Sept. 18.
Thurell, John P., North Adams, Mass. Airship. 1,468,584; Sept. 18.
Tibyrica, Luiz W., Sao Paulo, Brazil. Fastener. 1,468,052; Sept. 18.
Tilton, Lewis W., Miami, Fla. Building form. 1,468,335; Sept. 18.
Toledo Scale Company. (See Hem, Halvor O., assignor.)
Toof, Franklin P., Paducah, Ky. Mop. 1,468,422; Sept. 18.
Topper, Thomas J., San Francisco, Calif. Water urn for battery coffee urns. 1,468,527; Sept. 18.
Towne, Walter M., New York, assignor to E. W. Bliss Co., Brooklyn, N. Y. Method and apparatus for forming tubular metal articles, socketed terminal lugs, and the like. 1,468,092; Sept. 18.
Townsend, Clinton P., Washington, D. C., assignor to Hooker Electrochemical Company, New York, N. Y. Producing organic chlorin-substitution products. 1,468,220; Sept. 18.
Townsend, Frank B., assignor of one-half to J. E. McMath, Penn Yan, N. Y. Swinging and sliding door. 1,468,053; Sept. 18.
Tremont Products Corporation. (See Smith, Raymond D., assignor.)
Trigwell, James R., Brixton, London, England. Knife sharpener. 1,468,611; Sept. 18.
Trost, Soren O. E. T., London, England, assignor to Radio Corporation of America. Transmitter for wireless telephony. 1,468,250; Sept. 18.
Tscherning, Henry, assignor to Arcade Manufacturing Company, Freeport, Ill. Mop. 1,468,423; Sept. 18.
Turbayne, William A., assignor to U. S. Light & Heat Corporation, Niagara Falls, N. Y. Starting and generating system. 1,468,056; Sept. 18.
Turner, Earl W., Kokomo, Ind. Timer brush. 1,468,180; Sept. 18.
Tuttle, Walter L., Providence, R. I., assignor to Frank Mossberg Company, Attleboro, Mass. Ream construction. 1,468,054; Sept. 18.
Tuttle, Walter L., Providence, R. I. Valve-grinding apparatus. 1,468,055; Sept. 18.
U. S. Light & Heat Corporation. (See Carpenter, Campbell C., assignor.)
U. S. Light & Heat Corporation. (See Turbane, William A., assignor.)
Underfeed Stoker Company. (See Robey, Ernest W., assignor.)
Union Carbide & Carbon Research Laboratories, Inc. (See Heise, George W., assignor.)
Union Switch & Signal Company. (See Lewis, Lloyd V., assignor.)
United Alloy Steel Corporation. (See Caldwell, William L., assignor.)
United Shoe Machinery Corporation. (See Meyer, William C., assignor.)
United Shoe Machinery Corporation. (See Smith, Robert B., assignor.)
Universal Telescope Mute Company. (See D'Alfonso, William R., assignor.)
Usher-Walker Limited. (See Soane, Charles E., assignor.)
Van der Lee, Cornelis G., Utrecht, Netherlands. Bottle closure. 1,468,314; Sept. 18.
Vann, Charles J., Brooklyn, N. Y. Food-dispensing machine. 1,468,424; Sept. 18.
Vapo Stove Company. (See Schulenberg, Frederick H., assignor.)
Vaughan, James B., Lacy Springs, and J. Terrell, Taylorsville, Ala. Insect-catching attachment for cultivators. 1,468,585; Sept. 18.
Vena, Michael, Seattle, Wash. Road-surfacing mechanism. 1,468,528; Sept. 18.
Vesco Bait Co. (See Gaess, Helmuth J., assignor.)
Vickers Limited. (See Dawson, A. T., Buckham, and Larsson, assignors.)
Vivarttas, William O., Weehawken, N. J. Wrench. 1,468,529; Sept. 18.
Vondersloot, Arthur J., San Francisco, Calif. Game apparatus. 1,468,336; Sept. 18.
Voorhis, William H., New York, N. Y., assignor to American Bank Note Company. Wiping mechanism for rotary plate-printing machines. 1,468,530; Sept. 18.
Voss, John P. (See Forsyth, William M., assignor.)
Wagner, Charles, Grantwood, and A. Hormel, Jersey City, N. J. Drying apparatus for plates of metal and other material. 1,468,181; Sept. 18.
Waldorf Paper Products Company. (See Gamm, Charles C., assignor.)
Walford, Harry N. (See Johnston, C. F., and Walford.)
Walker, Benjaman J., Lynnville, Tenn. Lawn mower. 1,468,425; Sept. 18.
Walker, George K., Glens Falls, N. Y., assignor to Great Northern Paper Company, Millinocket, Me. Cleaning felts of paper machines. 1,468,057; Sept. 18.
Wallbillich, Anthony F., Newark, assignor to S. T. D. Recording Instrument Corp., Roselle, N. J. Speed, time, and distance recorder. 1,468,426; Sept. 18.
Wallgren, John O., Worcester, Mass. Bobbin-head ring. 1,468,427; Sept. 18.
Walters, George. (See Forse, W. T. Jones, and Walters.)
Warp Compressing Machine Company. (See Remington, A. L., and Kiessling, assignors.)
Washburn, Bert E., Peoria, Ill. Window lock. 1,468,058; Sept. 18.
Wassel, Albert, San Francisco, Calif. Windshield wing. 1,468,182; Sept. 18.
Weagant, Roy A., Douglas Manor, N. Y., assignor, by mesne assignments, to Radio Corporation of America. Method and apparatus for radiosignaling. 1,468,059; Sept. 18.
Weagant, Roy A., Roselle, N. J., assignor, by mesne assignments, to Radio Corporation of America. Process and apparatus for receiving radiosignals. 1,468,060; Sept. 18.
Weagant, Roy A., Douglas Manor, N. Y., assignor, by mesne assignments, to Radio Corporation of America. Method and apparatus for radiosignaling. 1,468,061; Sept. 18.
Weagant, Roy A., Douglas Manor, N. Y., assignor, by mesne assignments, to Radio Corporation of America. Radiosignaling apparatus. 1,468,062; Sept. 18.
Weatherlow, J. H., and F. W. Seymour, Flushing, N. Y. Graduated plug and socket. 1,468,183; Sept. 18.
Weaver, Elverton W., Cleveland Heights, Ohio. Wheel structure. 1,468,093; Sept. 18.
Webber, William, Brooklyn, N. Y. Cloth-marking device. 1,468,184; Sept. 18.
Weckbaugh, Joseph V., New York, N. Y. Accounting machine. 1,468,185; Sept. 18.
Weeks, Hugh A., Whitakers, N. C. Piston for internal-combustion engines. 1,468,586; Sept. 18.
Weinstein, Louis J., New York, N. Y. Dental instrument. 1,468,063; Sept. 18.
Weisenberger, Earl O., assignor to The Quick Change Chuck Mfg. Co., Arcanum, Ohio. Quick-change chuck. 1,468,186; Sept. 18.
Wells, Amos S., and L. A. Harker, Minneapolis, Minn. Dental molding apparatus. 1,468,428; Sept. 18.
Werbeck, Walter G., deceased, Chicago, Ill.; C. W. Hagemann, administrator. Pipe union. 1,468,187; Sept. 18.
Weske, George J., A. F. Gensler, and O. H. Prange, Cleveland, Ohio. Safety nonstop lathe chuck. 1,468,587; Sept. 18.
West End Chemical Company. (See Morse, Harry W., assignor.)
Westinghouse Electric & Manufacturing Company. (See Kasley, Alexander T., assignor.)
Westmoreland Specialty Company. (See Becker, Fred C., assignor.)
Wherry, John A., New Orleans, La. Collated work sheet. 1,468,094; Sept. 18.
Whidden, William L., Spreckels, Calif. Calling device. 1,468,095; Sept. 18.
Whisler, Ralph H., Halfway, and S. G. Baits, assignors to Essex Motors, Detroit, Mich. Starting and lighting device for internal-combustion engines. 1,468,430; Sept. 18.
White Fuel Oil Engineering Corporation. (See Holifield, Joseph A., assignor.)
Whiting & Davis Company. (See Rowan, Harry B., assignor.)
Wilcox, Harry E., et al. (See Will, Carl H., assignor.)
Wilcox, Ralph D., et al. (See Will, Carl H., assignor.)
Wilhelm, Henry, Company. (See Maussner, F., and Ritter, assignors.)
Will, Carl H., assignor of one-third to H. E. Wilcox and one-third to R. D. Wilcox, Minneapolis, Minn. Tire adapter. 1,468,221; Sept. 18.
Williams, Frank C., assignor of one-half to E. Giles, Salt Lake City, Utah. Attachment for safety razors. 1,468,064; Sept. 18.
Williams, Herbert E., Auckland, New Zealand. Concrete-block-molding machine. 1,468,065; Sept. 18.

Willink, Alexander H. J. T., Martinez, Calif. Filing system. 1,468,613; Sept. 18.
Willys-Overland Company, The. (See Belden, Edward H., assignor.)
Willys-Overland Company, The. (See Graebner, Otto F., assignor.)
Willys-Overland Company, The. (See Jerdone, Francis, jr., assignor.)
Willys-Overland Company, The. (See King, Fred B., assignor.)
Willys-Overland Company, The. (See Lightner, A. D., and Holmes, assignors.)
Willys-Overland Company, The. (See Snell, L. K., and McKinley, assignors.)
Wilson, Elihu C., et al. (See Deakins, G. C., and Hamer, assignors.)
Wilson, Frank, Sellers, La. Washing machine. 1,468,588; Sept. 18.
Wilson, William W., Los Angeles, Calif. Elevator. 1,468,589; Sept. 18.
Winestock, Otto C., Perkinsville, Vt. Washing pulp. 1,468,337; Sept. 18.
Winter, Oscar, Woodbury, N. J., assignor to Andale Engineering Company, Philadelphia, Pa. Indicator for forced-lubrication systems. 1,468,548; Sept. 18.
Wixson, Albion F., Minneapolis, Minn. Window weight. 1,468,429; Sept. 18.
Wodonos, Stephen, assignor of one-half to R. Karajem, Philadelphia, Pa. Cleaning device. 1,468,431; Sept. 18.
Woglom, Frank W., Arlington, N. J. Statistical record and filing device. 1,468,590; Sept. 18.
Woods, Walter R., Chicago, Ill., assignor, by mesne assignments, to W. Mutschler, trustee, Goshen, Ind. Universal joint. 1,468,188; Sept. 18.
Woods, Walter R., Chicago, Ill., assignor, by mesne assignments, to W. Mutschler, trustee, Goshen, Ind. Universal joint. 1,468,189; Sept. 18.
Wootten, Charles T., deceased, Philadelphia, Pa., by D. Bowers, executor, Laurel Springs, N. J., assignor to Manufacturing Company of America, Philadelphia, Pa. Die. 1,468,549; Sept. 18.
Wright, Richard E., Toledo, Ohio, and O. E. Barthel, Detroit, Mich., assignors to Art Mosaic and Tile Company, Toledo, Ohio. Floor-surfacing machine. 1,468,432; Sept. 18.
Wyman, Charles O., Anoka, Minn. Differential. 1,468,338; Sept. 18.
Yale and Hopewell Company. (See Yale, Rodney H., assignor.)
Yale, Rodney H., assignor to Yale and Hopewell Company, Lincoln, Nebr. Lubricator. 1,468,550; Sept. 18.
Young, Daniel J., assignor to Young-Whitwell Gas Process Company, Tacoma, Wash. Making illuminating gas. 1,468,190; Sept. 18.
Young, Robert S. (See Purnell, W. J., Chase, and Young.)
Young, Rowland L., East Orange, N. J., assignor to American Telephone and Telegraph Company. Storage-battery circuit. 1,468,096; Sept. 18.
Young-Whitwell Gas Process Company. (See Young, Daniel J., assignor.)
Yuskiewicz, Wilem, Brockton, Pa. Ash sifter. 1,468,339; Sept. 18.
Zackow, Frank H., Tacoma, Wash. Curtain. 1,468,433; Sept. 18.
Zander, John, Chicago, Ill. Valve device. 1,468,434; Sept. 18.
Zander, John, Chicago, Ill. Distillation apparatus. 1,468,435; Sept. 18.
Zanolini, Italo, Berkeley, Calif. Automatic feeder for roll-film cameras. 1,468,191; Sept. 18.

ALPHABETICAL LIST OF INVENTIONS

FOR WHICH

PATENTS WERE ISSUED ON THE 18TH DAY OF SEPTEMBER, 1923.

NOTE.—Arranged in accordance with the first significant character or word of the name (in accordance with city and telephone directory practice). **Includes patents, reissues, and designs.**

Accelerator pedals, Foot rest for. G. M. McGinley. 1,468,571; Sept. 18.
Accounting machine. J. V. Weckbaugh. 1,468,185; Sept. 18.
Aeroplane. H. B. Shields. 1,468,329; Sept. 18.
Air-compressing means. J. C. Coulombe. 1,468,282; Sept. 18.
Aircraft the elevation above the ground, Method of and system for determining from an. O. Gerhardt. 1,468,018; Sept. 18.
Airship. J. P. Thurell. 1,468,584; Sept. 18.
Alarm system. W. C. Roe. 1,468,328; Sept. 18.
Alloy. A. Schroetter. 1,468,407; Sept. 18.
Alloy, Tungsten. A. Pacz. 1,468,073; Sept. 18.
Amplifier. A. Benoit, J. L. Mathieu, and H. H. Duchesne. 1,468,437; Sept. 18.
Anchoring device. R. S. Peirce. 1,468,074; Sept. 18.
Antiskid attachment for wheels. T. M. Avery. 1,468,097; Sept. 18.
Antiskid chain. E. H. Coe. 1,468,280; Sept. 18.
Antiskid device. M. Green. 1,468,382; Sept. 18.
Arc circuits, Constant-current dynamotor for individual. J. A. Hollfield. 1,468,159; Sept. 18.
Arc-current generator, Self-regulating. J. A. Hollfield. 1,468,155; Sept. 18.
Arc-welding apparatus. J. A. Hollfield. 1,468,156; Sept. 18.
Arc-welding apparatus. J. A. Hollfield. 1,468,158; Sept. 18.
Arc welding, Self-regulating motor-generator set for. J. A. Hollfield. 1,468,154; Sept. 18.
Ash receiver. A. W. Bendlin. 1,468,372; Sept. 18.
Attrition mill. L. E. Bauer. 1,468,436; Sept. 18.
Automobile and vehicle track for bridges. C. O. Johnson. 1,468,364; Sept. 18.
Automobile glare shield. R. Downing. 1,468,197; Sept. 18.
Automobile heaters, Grating for. L. F. Clerc. Des. 63,025; Sept. 18.
Automobile signal. J. B. Blair. 1,467,993; Sept. 18.
Automobile storage. E. M. Frasier. 1,468,147; Sept. 18.
Automobile top construction and curtain therefor. H. M. Horne and T. T. Dickenson. 1,468,203; Sept. 18.
Automobile wheels, Nonskid device for. J. Sturn. 1,468,045; Sept. 18.
Automobiles and other vehicles, Tilting headlight device for. P. B. Collier. 1,468,260; Sept. 18.
Automobiles and the like, Deflector for. W. L. Howe. 1,468,110; Sept. 18.
Automobiles, Antiglare screen for. A. E. Kivikink and E. Nilson. 1,468,115; Sept. 18.
Automobiles, Automatic life-saving fender for. E. S. Jones. 1,468,112; Sept. 18.
Bag: *See*—
Powder bag.
Bait, Artificial. H. J. Gaess. 1,468,148; Sept. 18.
Bale. E. H. Angier. 1,468,130; Sept. 18.
Ball-winding machine. E. L. Schick. 1,468,406; Sept. 18.
Band saw. D. F. Green and J. F. Stedman. 1,468,381; Sept. 18.
Bar: *See*—
Grate bar. Sickle bar.
Bar pin. A. Bippart. 1,468,255; Sept. 18.
Bathing suit, Safety. L. La Rizza. 1,468,505; Sept. 18.
Battery: *See*—
Storage battery.
Battery rejuvenator. R. E. Carter. 1,468,341; Sept. 18.
Bead chain and splicer for the same. R. R. Rundell. 1,468,169; Sept. 18.
Beam construction. W. I. Tuttle. 1,468,054; Sept. 18.
Bearing, Journal. H. E. Brunner and W. Jetter. 1,468,134; Sept. 18.
Bed and douche pan. C. R. Mack. 1,468,603; Sept. 18.
Bedlamp shade. R. W. Ade. 1,468,451; Sept. 18.
Belt, Sorting-machine. A. T. Hoxter. 1,468,301; Sept. 18.
Bicycle stand. H. A. Laystrom. 1,468,161; Sept. 18.
Billiard cue. C. E. Seeman and L. V. Barach. 1,468,520; Sept. 18.
Bin: *See*—
Rotary bin.
Block: *See*—
Swivel block.
Board: *See*—
Wall board.

Bobbin-head ring. J. O. Wallgren. 1,468,427; Sept. 18.
Bottle. B. M. Douglas. Des. 63,027; Sept. 18.
Bottle closure. C. G. van der Lee. 1,468,314; Sept. 18.
Bottle holder, Antithief milk-. J. Russo. 1,468,214; Sept. 18.
Bottle refrigerator. W. O'Neel. 1,468,126; Sept. 18.
Bowl, Washing. C. P. Bohland. 1,467,994; Sept. 18.
Box: *See*—
Core box. Sound box.
Box. W. E. Elliott. 1,468,229; Sept. 18.
Box. J. J. Kehn. 1,468,237; Sept. 18.
Box. L. G. Rosskam. Des. 63,042; Sept. 18.
Box-making machine. M. Feybusch and S. Severson. 1,468,146; Sept. 18.
Box-nailing machines, Table for. G. D. Parker. 1,468,392; Sept. 18.
Boxes and the like, Packeting device for. G. C. Ekström and G. Örström. 1,468,010; Sept. 18.
Bracket: *See*—
Caster bracket. Ladder-scaffold bracket.
Brake-adjusting means. W. F. Pfander. 1,468,033; Sept. 18.
Brake lever, Emergency. O. W. Pope. 1,468,414; Sept. 18.
Brake mechanism. E. H. Belden. 1,468,453; Sept. 18.
Brake-operating mechanism. M. Loughead. 1,468,602; Sept. 18.
Braking apparatus. M. Loughead. 1,468,600; Sept. 18.
Bread toaster. E. Hebert. 1,468,069; Sept. 18.
Brines, Concentrating. H. W. Morse. 1,468,389–90; Sept. 18.
Broaching machine. W. Ferris. 1,468,595; Sept. 18.
Broom clamp. J. T. Jacobson. 1,468,568; Sept. 18.
Brush. N. S. Frost. 1,468,445; Sept. 18.
Brush, Fountain. J. H. Postel. 1,468,248; Sept. 18.
Brush, Timer. E. W. Turner. 1,468,180; Sept. 18.
Buffer, Floor. W. N. Robirds, jr. 1,468,080; Sept. 18.
Buffet. H. Berg. Des. 63,021; Sept. 18.
Building form. L. W. Tilton. 1,468,335; Sept. 18.
Building, Portable metallic. J. A. Baldwin. 1,468,100; Sept. 18.
Bullet. G. M. Johnsen. 1,468,113; Sept. 18.
Burner: *See*—
Gas burner. Oil burner.
Burner. F. M. Dallen. 1,468,442; Sept. 18.
Cake mixers, Heating attachment for. J. Guttenstein and I. Kritzer. 1,468,615; Sept. 18.
Calcining and clinkering, Apparatus for. R. D. Pike. 1,468,168; Sept. 18.
Calculating machine. A. F. Poole and F. A. Hart. 1,468,510; Sept. 18.
Calling device. W. L. Whidden. 1,468,095; Sept. 18.
Camera. E. F. Stratton. 1,468,088; Sept. 18.
Cameras, Automatic feeder for roll-film. I. Zanolini. 1,468,191; Sept. 18.
Cameras, Dissolve mechanism for. K. W. Thalhammer. 1,468,091; Sept. 18.
Camphor, Method and apparatus for purifying. J. E. Crane and E. G. Loomis. 1,468,377; Sept. 18.
Camphor, Refining. R. L. Andreau. 1,468,371; Sept. 18.
Can closure. F. R. Harris and L. Hollander. 1,468,292; Sept. 18.
Can-filling machine. C. H. Ayars. 1,468,253–4; Sept. 18.
Can holder and perforator. F. H. Smith. 1,468,041; Sept. 18.
Can perforator and protector, Milk-. J. Bussanich. 1,468,438; Sept. 18.
Can-top fastener. A. G. Canby. 1,468,375; Sept. 18.
Candies, Die for making porous. W. B. Laskey. 1,468,535; Sept. 18.
Candle. A. E. Glistridis. Des. 63,032; Sept. 18.
Cane, Machine for cutting and stripping. F. S. Curbelo. 1,468,195; Sept. 18.
Carburetor. B. M. Dawson. 1,468,358; Sept. 18.
Car chassis, Side-. J. Goulding. 1,468,201; Sept. 18.
Car door, Freight-. J. L. Guerrant. 1,468,019; Sept. 18.
Car loader. W. J. Duffey. 1,468,287; Sept. 18.
Car mounting. E. A. Laughlin. 1,468,596; Sept. 18.
Car, Railway dump. E. L. Hale and H. G. Coulson. 1,468,350; Sept. 18.
Car support, Coal-. W. G. Jamrog. 1,468,266; Sept. 18.
Card holder, File-. J. J. Jennings. 1,468,473; Sept. 18.
Carpet sweeper. J. L. Shorrock. 1,468,215; Sept. 18.
Carrier: *See*—
Curtain carrier.

Cart, Coal. F. Albert. 1,468,551; Sept. 18.
Carton-sealing machine. C. C. Gamm. 1,468,015; Sept. 18.
Cartons, Method and apparatus for sealing. J. C. Thom. 1,468,333; Sept. 18.
Casket support. J. E. Jones. 1,468,111; Sept. 18.
Caster bracket. W. F. Herold. 1,468,293; Sept. 18.
Chair: *See*—
Rail chair. Swing chair.
Chlorine substitution products, Producing organic. C. P. Townsend. 1,468,220; Sept. 18.
Chopper: *See*—
Cotton chopper.
Chuck, Safety nonstop lathe. G. J. Weske, A. F. Gensler, and O. H. Prange. 1,468,587; Sept. 18.
Chuck, Quick-change. E. O. Weisenberger. 1,468,186; Sept. 18.
Churning and emulsifying machine, Combined. E. Steenberg. 1,468,581; Sept. 18.
Chute, Coal. J. S. Erskine. 1,468,012; Sept. 18.
Cigarette container, Match-holding. W. H. King. 1,468,504; Sept. 18.
Circuits, Testing. A. B. Clark and G. Crisson. 1,468,101; Sept. 18.
Clamp: *See*—
Corner-bead clamp. Timber clamp.
Clamp for connecting angularly-arranged pieces of material. J. W. Keffer. 1,468,478; Sept. 18.
Clamping mechanism. F. C. Becker. 1,467,992; Sept. 18.
Cleaner: *See*—
Pen cleaner.
Cleaning apparatus. W. W. Farnsworth. 1,468,467; Sept. 18.
Cleaning device. S. Wodonos. 1,468,431; Sept. 18.
Clock, Striking and chiming. C. F. Johnston and H. N. Walford. 1,468,267; Sept. 18.
Closet: *See*—
Water-closet.
Cloth, Apparatus for marking sign-painters'. H. E. Graham. 1,468,446; Sept. 18.
Cloth-marking device. W. Webber. 1,468,184; Sept. 18.
Cloth-surfacing device. W. E. Ross. 1,468,403; Sept. 18.
Cloths, Tacky. A. F. Erench. 1,468,380; Sept. 18.
Clothes wringer. O. Heisler. 1,468,447; Sept. 18.
Clothespin. J. T. Pilkington. 1,468,543; Sept. 18.
Clothespin. F. Shepherd. 1,468,037; Sept. 18.
Clutch. H. D. Grinnell. 1,468,349; Sept. 18.
Coal, etc., from ships' holds, trucks, or the like, Means for use in the discharging of. P. J. Cavanagh. 1,468,003; Sept. 18.
Coconuts, Means for stripping the husks from. O. Elsworth. 1,468,011; Sept. 18.
Coffeepot attachment. W. C. Ong. 1,468,411; Sept. 18.
Coffee roaster, Electric. M. T. Seymour. 1,468,419; Sept. 18.
Coffee urns, Water urn for battery. T. J. Topper. 1,468,527; Sept. 18.
Combustion engine. W. Brown. 1,467,998; Sept. 18.
Combustion-promoting device. T. F. and A. H. Lawter. 1,468,536; Sept. 18.
Concrete-construction elements, Apparatus for the fabrication of. E. V. Preuss. 1,468,325; Sept. 18.
Concrete floor beams of greenhouse benches, Mold for. F. J. Mead. 1,468,316; Sept. 18.
Concrete-slab building construction. G. F. Dampney. 1,468,285; Sept. 18.
Condensing the moisture in the breath, Device for. A. Hogan. 1,468,298; Sept. 18.
Confection-cone tray. L. R. Girard. 1,468,563; Sept. 18.
Container. R. Buedingen. 1,468,000; Sept. 18.
Container. G. P. Hemstreet. 1,468,152; Sept. 18.
Container, Knockdown. W. T. S. Brown. 1,468,340; Sept. 18.
Controlled mechanism, Support for. L. K. Snell and C. W. McKinley. 1,468,522; Sept. 18.
Conveyer or the like. E. W. Robey. 1,468,545; Sept. 18.
Cooler: *See*—
Water cooler.
Core box, Adjustable. E. R. Hildebrandt. 1,468,202; Sept. 18.
Corner-bead clamp. R. I. Edwards. 1,468,463; Sept. 18.
Cotton chopper. W. T. Marable. 1,468,244; Sept. 18.
Counter, Electromagnetically-operated. H. L. Merrick. 1,468,490; Sept. 18.
Coupling: *See*—
Lubrication coupling.
Coupon ticket. R. M. Comfort. 1,468,592; Sept. 18.
Crane, Paver-mixer. F. H. Heine. 1,468,472; Sept. 18.
Crayon and lead holder, Magazine. W. F. Bull. 1,468,001; Sept. 18.
Culinary article. I. Greene. 1,468,564; Sept. 18.
Cultivators, Insect-catching attachment for. J. B. Vaughan and J. Terrell. 1,468,585; Sept. 18.
Cup: *See*—
Shampoo cup.
Curtain. F. H. Zackow. 1,468,433; Sept. 18.
Curtain carrier. E. E. Lamica. 1,468,479; Sept. 18.
Curtain rod and shade-roller bracket. J. and J. R. Pecora. 1,468,167; Sept. 18.
Cushion. F. Karr. 1,468,268; Sept. 18.
Cushion, Comfort. H. M. Ogle. 1,468,072; Sept. 18.
Cutter: *See*—
Vegetable cutter.
Dental instrument. L. J. Weinstein. 1,468,063; Sept. 18.
Dental molding apparatus. A. S. Wells and L. A. Harker. 1,468,428; Sept. 18.
Denture, Artificial. J. L. Dickson. 1,468,461; Sept. 18.
Depolarizer and preparing the same. G. W. Heise. 1,468,234; Sept. 18.
Dewatering machine. H. B. Cleveland. 1,468,376; Sept. 18.
Die. C. T. Wootten. 1,468,549; Sept. 18.
Diesinking machine. W. E. Sargent. 1,468,515; Sept. 18.
Differential. C. O. Wyman. 1,468,338; Sept. 18.
Dioxydiaminoarsen-obenzene and making the same, Sodium compound of. U. Suzuki. 1,468,618; Sept. 18.
Dispensing apparatus. H. E. Briggs. 1,468,275; Sept. 18.
Display table. W. Patten. 1,468,247; Sept. 18.
Distillation apparatus. J. Zander. 1,468,435; Sept. 18.
Doll. H. Conover. 1,468,281; Sept. 18.
Door, Swinging and sliding. F. B. Townsend. 1,468,053; Sept. 18.
Drawing boards, Parallel attachment for. A. F. Linsner. 1,468,312; Sept. 18.
Drawing press. W. Klocke. 1,468,304; Sept. 18.
Drill. R. E. Overman. 1,468,509; Sept. 18.
Drilling-machine mounting. M. Smith. 1,468,087; Sept. 18.
Drive wheels, Gearing for. R. P. Thompson. 1,468,410; Sept. 18.
Driving connection. J. Robinson. 1,468,402; Sept. 18.
Driving mechanism. J. P. Lavole. 1,468,413; Sept. 18.
Dump body. H. H. Hill. 1,468,294; Sept. 18.
Duplicating and like printing machine. W. Chipperfield. 1,468,457; Sept. 18.
Dynamos, Apparatus for regulating the voltage of. A. J. Jullin. 1,468,024; Sept. 18.
Dynamotor. Inherently-regulated. J. A. Holifield. 1,468,157; Sept. 18.
Ear protector. E. Camp and A. F. Schatzel. 1,468,556; Sept. 18.
Egg beater. P. J. Diehl. 1,468,560; Sept. 18.
Electric control system. J. F. Newsom. 1,468,321; Sept. 18.
Electric distribution system, Protective device for. A. S. Fitz Gerald. 1,468,441; Sept. 18.
Electric generators, Regulating system for. A. E. Doman. 1,468,006–7; Sept. 18.
Electric heater. W. S. Hadaway, jr. 1,468,106; Sept. 18.
Electric irons, Safety device for. W. C. Schultz. 1,468,418; Sept. 18.
Electric irons, Stand for. W. Hodgson. 1,468,296; Sept. 18.
Electric motor. J. Goodman. 1,468,150; Sept. 18.
Electric motor. G. C. Marx. 1,468,307; Sept. 18.
Electric switch. C. D. Bottomley. 1,468,192; Sept. 18.
Electrical sparking device. W. C. Schneider. 1,468,517; Sept. 18.
Electrically-heated utensil. J. F. Lamb. 1,468,385; Sept. 18.
Electrode protector. W. Dyrssen. 1,468,103; Sept. 18.
Elevator. W. W. Wilson. 1,468,589; Sept. 18.
Envelope. T. and E. C. O'Donnell. 1,468,071; Sept. 18.
Emery-wheel-dressing tool. R. P. Place. 1,468,395; Sept. 18.
Engine: *See*—
Combustion engine. Internal-combustion engine. Explosive engine.
Engines, Air inlet and mixing device for internal-combustion. F. C. Tabler. 1,468,048; Sept. 18.
Engines, Cut-out for mufflers of explosive. E. Brookins. 1,468,492; Sept. 18.
Engines, Intake silencer for internal-combustion. J. Reed. 1,468,398; Sept. 18.
Engines, Starting and lighting device for internal-combustion. R. H. Whisler and S. G. Baits. 1,468,430; Sept 18.
Explosive engine. J. J. Schiller. 1,468,516; Sept. 18.
Eyeleting. R. B. Smith. 1,468,039; Sept. 18.
Eyeleting machine. R. B. Smith. 1,468,086; Sept. 18.
Fabric-making machine. H. T. Loomis. 1,468,483; Sept. 18.
Fan-operating means. A. F. Carlin. 1,468,617; Sept. 18.
Fastener. E. S. Johnson and E. V. Carlson. 1,468,612; Sept. 18.
Fastener. L. W. Tihyrica. 1,468,052; Sept. 18.
Feed-bag fastener. E. R. Chatterley. 1,468,136; Sept. 18.
Feeder, Chick. I. Julian. 1,468,205; Sept. 18.
Feeding device, Pneumatic. F. Maussner and I. B. Ritter. 1,468,028; Sept. 18.
Fence, Road. J. B. Bese. 1,468,553; Sept. 18.
Filing apparatus. L. C. Ridge. 1,468,213; Sept. 18.
Filing system. A. H. J. T. Willink. 1,468,613; Sept. 18.
Fire extinguisher. I. M. Matson. 1,468,163; Sept. 18.
Fire-extinguishing water sprinkler and alarm, Automatic. H. Eastman. 1,468,009; Sept. 18.
Fishhook. R. Maeda. 1,468,572; Sept. 18.
Fishplate bond protector. L. R. Snyder. 1,468,177; Sept. 18.
Fishing reel. W. L. Adams. 1,468,128; Sept. 18.
Fish stop. J. S. Neumann. 1,468,320; Sept. 18.
Floor section, Wooden-. J. B. Een. 1,468,288; Sept. 18.
Floor-surfacing machine. R. E. Wright and O. E. Barthel. 1,468,432; Sept. 18.
Flower-bowl stand. W. R. Stuck. Des. 63,046; Sept. 18.
Flue structure. F. W. Grapperhaus. 1,468,016; Sept. 18.

Fluid-pressure control apparatus. S. H. Lewis. 1,468,481; Sept. 18.
Flume, Metallic. W. L. Caldwell. 1,468,493–6; Sept. 18.
Flying machine. C. F. Bush. 1,468,257; Sept. 18.
Fly-swatting device. G. W. Blake. 1,468,373; Sept. 18.
Food-dispensing machine. C. J. Vann. 1,468,424; Sept. 18.
Food grater. T. Lengyel. 1,468,311; Sept. 18.
Fuel, Process of and apparatus for burning powdered. C. W. Dyson. 1,468,008; Sept. 18.
Furnace. A. M. Duval and P. C. Farris. 1,468,498; Sept. 18.
Furnaces, Rabble apparatus for. L. B. Skinner. 1,468,216; Sept. 18.
Game apparatus. A. J. Vondersloot. 1,468,336; Sept. 18.
Game, Card. D. S. Gallatin. 1,468,290; Sept. 18.
Game counter. L. C. Eldridge. 1,468,143; Sept. 18.
Games, Apparatus for playing parlor. E. Kent. 1,468,531; Sept. 18.
Garbage incineration. F. H. Collins and M. L. Pellett. 1,468,137; Sept. 18.
Garbage incinerator. M. A. Kohn. 1,468,450; Sept. 18.
Garment. A. P. Dutton, jr. 1,468,141; Sept. 18.
Garment, Apparel. D. Kops. 1,468,475; Sept. 18.
Garment hanger. D. Goldsmith. 1,468,200; Sept. 18.
Gas burner. D. S. Cole. 1,468,356; Sept. 18.
Gas burner. J. A. Kenworthy. 1,468,302; Sept. 18.
Gas, Making illuminating. D. J. Young. 1,468,190; Sept. 18.
Gas saver. J. N. Hewitt and J. E. Adams. 1,468,070; Sept. 18.
Gate: *See*—
Railway gate. Roadway gate.
Gate fastener. E. Allen. 1,467,990; Sept. 18.
Gate operating and locking mechanism. B. D. Ross. 1,468,081; Sept. 18.
Gauge: *See*—
Pressure gauge. Water gauge.
Gear-shifting device. W. N. Rettinger. 1,468,400; Sept. 18.
Glass dish or similar article. C. W. Oldham. Des. 63,039; Sept. 18.
Glass holder, Drinking-. M. Blackman, L. K. Hosier, and E. B. McKee. 1,468,256; Sept. 18.
Glue from blood, Producing a cold. F. Lux. 1,468,313; Sept. 18.
Golfers, Head-lifting detector for. J. M. MacDonald. 1,468,286; Sept. 18.
Grate bar. A. J. Naquin. 1,468,209; Sept. 18.
Grinding machine, Internal-. J. N. Heald and A. M. Drake. 1,468,151; Sept. 18.
Ground cleaning and aerating machine. J. E. Moore. 1,468,388; Sept. 18.
Grouser. J. D. Horton. 1,468,204; Sept. 18.
Gun, Automatic. A. T. Dawson, G. T. Buckham, and C. A. Larsson. 1,468,262; Sept. 18.
Gunstock, Adjustable. J. F. Caretto. 1,468,354; Sept. 18.
Hand bag. E. R. Free. Des. 63,031; Sept. 18.
Hammer and rotary drill, Combined. R. Z. Farmer. 1,468,345; Sept. 18.
Handle. F. J. Spiegler. 1,468,409; Sept. 18.
Hanger: *See*—
Garment hanger.
Hat or the like. G. H. Sacket. 1,468,404; Sept. 18.
Headlamp support. W. F. Pfander. 1,468,032; Sept. 18.
Headlights, Nonglare device for. F. C. Brocker. 1,468,276; Sept. 18.
Heater: *See*—
Electric heater. Orchard heater.
Heater for bitumen or other materials. J. T. M. Johnston. 1,468,365; Sept. 18.
Heating unit, Air-. E. M. Erb. 1,468,593; Sept. 18.
Hoist, Combined coal and cinder. C. P. Ross. 1,468,606; Sept. 18.
Hoisting apparatus. A. D. Lightner and E. Holmes. 1,468,482; Sept. 18.
Hook: *See*—
Snap hook.
Horn and making the same, Laminated. B. R. Seabrook. 1,468,519; Sept. 18.
Horn, Vibrator. M. F. Fitzgerald. 1,468,444; Sept. 18.
Horseshoe. J. S. Curzon. 1,468,196; Sept. 18.
Hose fitting. M. Longhead. 1,468,601; Sept. 18.
Hose stand, Air-. W. R. Mackey. 1,468,538; Sept. 18.
Hub-cap-locking device. F. Jerdone, jr. 1,468,474; Sept. 18.
Hydraulic press. F. E. Stevenson. 1,468,523; Sept. 18.
Hydrocarbons, Method and apparatus for burning. W. M. Hoffman. 1,468,021; Sept. 18.
Ice-cream cabinet. E. N. Bourdon. 1,468,133; Sept. 18.
Inkwell. H. J. Champagne. 1,468,067; Sept. 18.
Innersole. E. A. Howe. 1,468,363; Sept. 18.
Inner-tube protector. J. O. Belt. 1,468,099; Sept. 18.
Insects, Machine for exterminating. E. H. Field and W. H. Holman. 1,468,230; Sept. 18.
Insecticide. C. D. Cassady. 1,468,342; Sept. 18.
Insulating material and manufacture, Heat-. O. Gerlach. 1,468,149; Sept. 18.
Insulating wall, Heat-. C. F. Mayer. 1,468,573; Sept. 18.
Insulator, Column strain. L. Steinberger. 1,468,042; Sept. 18.
Insulator, Line. S. Steinberger. 1,468,044; Sept. 18.
Insulator-supporting pin. L. Steinberger. 1,468,043; Sept. 18.
Internal-combustion engine. J. T. Booth. 1,468,225; Sept. 18.
Internal-combustion engine. A. Erickson. 1,468,465–6; Sept. 18.
Internal-combustion engine. C. W. Honabach. 1,468,567; Sept. 18.
Ironing devices, Resilient cushion for the pads of. G. W. Cline. 1,468,557; Sept. 18.
Jack: *See*—
Lifting jack.
Jar closure. W. Mueller. 1,468,208; Sept. 18.
Joint: *See*—
Universal joint.
Key-ring holder. C. Exposito. 1,468,013; Sept. 18.
Knitting machine. L. Robaczynski. 1,468,513; Sept. 18.
Knitting machine needle. W. R. Scott. 1,468,518; Sept. 18.
Ladder-scaffold bracket. F. T. Peters. 1,468,412; Sept. 18.
Lamp-bulb installing and removing device. H. D. Grinnell. 1,468,348; Sept. 18.
Lamp, Electric pocket. H. Studer. 1,468,408; Sept. 18.
Lamp, Incandescent. D. Gordon. 1,468,264; Sept. 18.
Lamps, Device for incandescent. F. W. Salz. 1,468,084; Sept. 18.
Lanterns, Side panel for. F. E. Dahl. Des. 63,026; Sept. 18.
Latch, Hook. I. Sonnenthal. 1,468,089; Sept. 18.
Laundry apparatus. H. O. Bartlett. 1,468,552; Sept. 18.
Lavatory, Self-cleaning. W. T. Guth. 1,468,565; Sept. 18.
License-plate holder. F. C. Hill. 1,468,153; Sept. 18.
License-tag holder. J. A. Johnson. 1,468,449; Sept. 18.
Lid support. D. Di Carlo. 1,468,460; Sept. 18.
Life preserver. A. D. Elias. 1,468,464; Sept. 18.
Lifeboats from vessels, Safety arrangement for launching. P. W. Sieurin. 1,468,038; Sept. 18.
Lifeboats with partially-collansible sides, Construction of open. G. Rinesi. 1,468,327; Sept. 18.
Lifter: *See*—
Pipe lifter. Valve lifter.
Lifting jack. M. D. Riker. 1,468,034; Sept. 18.
Lighting-fixture arm. H. M. Kofsky. Des. 63,037; Sept. 18.
Liquid containers, Attachable spout for. S. Frey. 1,468,360; Sept. 18.
Liquids, Method and apparatus for treating. C. M. Bullard. 1,468,353; Sept. 18.
Liquids, Nebulizer of. A. W. Morse. 1,468,370; Sept. 18.
Liquids to powdered or other condensed form, Device for reducing. J. C. MacLachlan. 1,468,119; Sept. 18.
Lock: *See*—
Nut and bolt lock. Window lock.
Locking mechanism. J. F. Lindberg. 1,468,027; Sept. 18.
Locomotive arch. C. E. Miller. 1,468,388; Sept. 18.
Locomotive coal bunker. I. Broberg. 1,467,997; Sept. 18.
Loom attachment. A. L. Remington and F. W. Klessling. 1,468,576; Sept. 18.
Lubrication coupling. P. C. Smith. 1,468,040; Sept. 18.
Lubrication systems, Indicator for forced-. O. Winter. 1,468,548; Sept. 18.
Lubricator. R. H. Yale. 1,468,550; Sept. 18.
Lug, Mud. R. L. Stockard. 1,468,582; Sept. 18.
Magneto. P. W. Fuller. 1,468,500; Sept. 18.
Mandrel. O. E. Kent. 1,468,270; Sept. 18.
Match books, Machine for making. J. R. Nolan. 1,468,310; Sept. 18.
Mattress, Nonstretchable. S. Bronstien. 1,468,277; Sept. 18.
Measured-service system. F. M. Slough. 1,468,217; Sept. 18.
Measuring device, Angle-. G. W. Libby. 1,468,598; Sept. 18.
Mesh bag. H. B. Rowan. Des. 63,043–4; Sept. 18.
Metal articles, socketed terminal lugs, and the like, Method and apparatus for forming tubular. W. M. Towne. 1,468,092; Sept. 18.
Metal bodies, Means for securing finish to. O. F. Graebner. 1,468,468; Sept. 18.
Metal wheel. C. Schenck, C. W. Bassett, and E. Ibach. 1,468,085; Sept. 18.
Mill: *See*—
Attrition mill.
Mining machine. J. Rechichar. 1,468,326; Sept. 18.
Mixing apparatus. H. C. and E. A. Colburn. 1,468,226; Sept. 18.
Mold structure. B. A. Knudson. 1,468,570; Sept. 18.
Molding machine, Concrete-block-. H. E. Williams. 1,468,065; Sept. 18.
Mop. F. P. Toof. 1,468,422; Sept. 18.
Mop. H. Tscherning. 1,468,423; Sept. 18.
Motor: *See*—
Electric motor.
Motors and testing bearings thereof, Machine for handling. A. T. Radke and J. Klancke. 1,468,397; Sept. 18.
Mower, Lawn. B. J. Walker. 1,468,425; Sept. 18.
Musical-instrument string. R. A. Olson. 1,468,323; Sept. 18.
Muzzle. C. M. Rasmussen. 1,468,416; Sept. 18.
Numbering head. A. H. Smith. 1,468,521; Sept. 18.
Nut and bolt lock. P. Nalasky. 1,468,120; Sept. 18.
Nut-tapping machine. B. F. Hamilton. 1,468,501; Sept. 18.

Nuts, Machine for the manufacturing of. S. H. Svensson. 1,468,046; Sept. 18.
Oil burner. J. Dingiroglou. 1,468,140; Sept. 18.
Oil burner. J. D. Langston. 1,468,480; Sept. 18.
Oil burner. W. F. Ravenor. 1,468,417; Sept. 18.
Orchard heater. B. L. Miller. 1,468,540; Sept. 18.
Ore concentrators, Driving mechanism for. C. F. Reiff. 1,468,575; Sept. 18.
Ornamental surfaces, Producing. F. Strauss. 1,468,525; Sept. 18.
Oven door, Balanced. C. B. Mossi and H. A. Chevola. 1,468,391; Sept. 18.
Overwinding preventer. D. E. Odom. 1,468,322; Sept. 18.
Package. S. R. Howard and G. W. Anderson. 1,468,299; Sept. 18.
Package, Toilet-powder. G. F. McCarty. 1,468,164; Sept. 18.
Packages, Closure for discharge apertures in. W. F. Downing, jr. 1,468,359; Sept. 18.
Packing for pump pistons and the like. G. C. Deakins and L. S. Hamer. 1,468,459; Sept. 18.
Paints and pigments, Determining the hiding power of. A. H. Pfund. 1,468,075; Sept. 18.
Papaverine nitrite, Producing. H. Stenzl. 1,468,607; Sept. 18.
Paper and similar products, Section box for the manufacture of. E. and M. Lamort. 1,468,240; Sept. 18.
Paper machines, Cleaning felts of. G. K. Walker. 1,468,057; Sept. 18.
Paper-roll-reloading device. O. L. Raabe. 1,468,077; Sept. 18.
Pasteurizing device. R. O. Stearns and D. E. McGraw. 1,468,420; Sept. 18.
Pen and pencil, Combined. J. M. Miller. 1,468,123; Sept. 18.
Pen cleaner. J. May. 1,468,122; Sept. 18.
Pens, Clip for fountain. D. Klein. 1,468,025; Sept. 18.
Pens, pencils, and the like, Clip for. G. W. Gilman, jr. 1,468,562; Sept. 18.
Phonograph. H. O. Crippen. 1,468,138; Sept. 18.
Phonograph-record material. W. T. Forse, F. W. Jones, jr., and G. Walters. 1,468,608; Sept. 18.
Phonographs, Tone arm for. B. B. Blood. 1,468,224; Sept. 18.
Phonographs, Automatic stop for. G. T. Cherington. 1,468,279; Sept. 18.
Phonographs, Automatic stop for. J. A. Schild. 1,468,170; Sept. 18.
Photographic-printing apparatus. W. C. Huebner. 1,468,022; Sept. 18.
Pianos, Switching mechanism for player. T. Danquard. 1,468,139; Sept. 18.
Picture card, Combination film-frame. J. G. Culligan. 1,468,558; Sept. 18.
Picture machine, Motion-. C. S. Frangos. 1,468,499; Sept. 18.
Pin: *See*—
Bar pin. Insulator-supporting pin.
Pin-setting machine, Automatic. H. A. Redfield. 1,468,212; Sept. 18.
Pipe: *See*—
Smoking pipe. Tobacco pipe.
Pipe and nut wrench, Combined. J. Quist. 1,468,211; Sept. 18.
Pipe lifter. C. E. Eckert. 1,468,344; Sept. 18.
Pipe union. W. G. Werbeck. 1,468,187; Sept. 18.
Pipes or tubes, Clip for. J. S. Hogg and H. Lane. 1,468,297; Sept. 18.
Piston for internal-combustion engines. H. A. Weeks. 1,468,586; Sept. 18.
Piston-ring manufacture. C. E. Carson. 1,468,355; Sept. 18.
Piston-ring remover. L. J. Genett. 1,468,291; Sept. 18.
Piston rings, Making. J. H. Schreiber. 1,468,171; Sept. 18.
Plastic composition. C. Noll. 1,468,029; Sept. 18.
Plastic composition of matter having a basis of cellulose ester. W. T. Forse, F. W. Jones, jr., and G. Walters. 1,468,609; Sept. 18.
Plastic compositions, Production of. C. E. Soane. 1,468,331; Sept. 18.
Plastic materials, Producing vulcanitelike. P. Balke and G. Leysieffer. 1,468,222; Sept. 18.
Plates of metal and other material, Drying apparatus for. C. Wagner and A. Hormel. 1,468,181; Sept. 18.
Pliers. C. O. Anderson. 1,468,252; Sept. 18.
Plow adjustment lever, Tractor-. E. H. Carlson. 1,468,194; Sept. 18.
Plug and socket, Graduated. J. H. Weatherlow and F. W. Seymour. 1,468,183; Sept. 18.
Plug, Electrical double-pole switching. H. C. Sanders. 1,468,577; Sept. 18.
Pneumatic action. A. P. Gustafson. 1,468,361; Sept. 18.
Pole-puncturing machine. J. E. Lynch and A. R. Sandt. 1,468,484; Sept. 18.
Potential variations, Method of and means for amplifying. I. Langmuir. 1,468,116; Sept. 18.
Powder bag. S. Benensohn. 1,468,132; Sept. 18.
Power-transmission mechanism. E. E. Roberts. 1,468,401; Sept. 18.
Press: *See*—
Drawing press. Wine press.
Hydraulic press.
Presses, Means for controlling hydraulic. W. F. Mayer. 1,468,605; Sept. 18.
Presses, Means for operating hydraulic pullback. W. F. Mayer. 1,468,604; Sept. 18.
Pressure-control means. H. J. M. Howard. 1,468,109; Sept. 18.
Pressure gauge. A. E. Guy. 1,468,383; Sept. 18.
Priming device. J. W. Le Maire. 1,468,162; Sept. 18.
Printing machines, Inking mechanism for rotary plate-. F. C. Marquardt. 1,468,485; Sept. 18.
Printing machines, Wiping mechanism for rotary plate-. W. H. Voorhis. 1,468,530; Sept. 18.
Printing presses, Drier for. A. J. Eschenbach. 1,468,289; Sept 18.
Printing-strip holders, Mechanism for making. A. J. Beentel. 1,468,271; Sept. 18.
Pruning implement. M. Blanc and F. Berger. 1,468,554; Sept. 18.
Pulp, Washing. O. C. Winestock. 1,468,337; Sept. 18.
Pump, Double-acting oil and water. N. Fellabaum. 1,468,199; Sept. 18.
Pump pistons and the like, Expansible packing drum for. G. C. Deakins and L. S. Hamer. 1,468,458; Sept. 18.
Pumps, Process and means for the stepwise variation of the output of multicylinder plunger. G. Silvestri. 1,468,176; Sept. 18.
Pumps, Producing. J. A. Crimp. 1,468,559; Sept. 18.
Quantites, numbers, and the like, Apparatus for indicating. A. P. Japy. 1,468,235; Sept. 18.
Quick-adjusting wrench. W. J. Purnell, J. C. Chase, and R. S. Young. 1,468,415; Sept. 18.
Rack-broaching machine. J. L. Perkins and H. D. Croft. 1,468,393; Sept. 18.
Radiosignaling apparatus. R. A. Weagant. 1,468,062; Sept. 18.
Radiosignaling, Method and apparatus for. R. A. Weagant. 1,468,059; Sept. 18.
Radiosignaling, Method and apparatus for. R. A. Weagant. 1,468,061; Sept. 18.
Radiosignals, Process and apparatus for receiving. R. A. Weagant. 1,468,060; Sept. 18.
Radiosignals, System for receiving. A. H. Taylor. 1,468,049; Sept. 18.
Rail chair. A. Korba. 1,468,532; Sept. 18.
Railway gate. H. Brown. 1,468,278; Sept. 18.
Railway switch. D. E. Lahey. 1,468,533; Sept. 18.
Railway-traffic-controlling system. L. V. Lewis. 1,468,597; Sept. 18.
Rattle, Baby. H. Levy. 1,468,026; Sept. 18.
Razor, Safety. T. A. Ryan. 1,468,082; Sept. 18.
Razor strop. C. S. Beardsley. 1,468,491; Sept. 18.
Razors, Attachment for safety. F. C. Williams. 1,468,064; Sept. 18.
Record and filing device, Statistical. F. W. Woglom. 1,468,590; Sept. 18.
Reel: *See*—
Fishing reel.
Refrigerating system. H. F. Taylor. 1,468,050; Sept. 18.
Refrigerator. M. V. Beauer. 1,468,098; Sept. 18.
Registration-feed-board-operating mechanism. E. F. Dudley. 1,468,462; Sept. 18.
Resin, Production of. C. M. Dennis. 1,468,440; Sept. 18.
Riddle. G. N. Collins. 1,468,261; Sept. 18.
Rim, Demountable. C. Esmarian. 1,468,443; Sept. 18.
Ring: *See*—
Bobbin ring.
Ring-turning device. W. S. Peterson. 1,468,127; Sept. 18.
Road-surfacing mechanism. M. Vena. 1,468,528; Sept. 18.
Roadway gate. J. Harsen. 1,468,471; Sept. 18.
Rocking chair. O. B. Strickland. Des. 63,045; Sept. 18.
Roller spring control. B. J. Hausfeld. 1,468,107; Sept. 18.
Rotary bin. W. B. Hodges. 1,468,108; Sept. 18.
Rubber heel. G. Ross. Des. 63,041; Sept. 18.
Safe or vault plate. M. L. Hartmann. 1,468,362; Sept. 18.
Safes and strong rooms, Lock of. L. L. McDermott. 1,468,245; Sept. 18.
Saw. E. W. K. Roe. 1,468,514; Sept. 18.
Sawing machine. B. F. Fippins. 1,468,104; Sept. 18.
Scale, Parcel-post computing. C. H. Colson. 1,468,227; Sept. 18.
Scale, Weighing. H. O. Hem. 1,468,020; Sept. 18.
Scales and pencils, Holder for machinists'. E. C. Carlson. 1,468,002; Sept. 18.
Scoops or shovels and tractors, Means for connecting excavating. W. C. Griffith. 1,468,470; Sept. 18.
Screen: *See*—
Window screen.
Screen. J. T. Moltrup. 1,468,369; Sept. 18.
Screening machine. J. A. Coyle and C. H. Roth. 1,468,005; Sept. 18.
Screw conveyer. R. W. Easton. 1,468,379; Sept. 18.
Seal. E. J. Brooks. 1,468,352; Sept. 18.
Selvage trimmer. E. D. Putt. 1,468,396; Sept. 18.
Sewing machine. G. W. Nelson. 1,468,319; Sept. 18.
Sewing machine, Wax-thread. W. C. Meyer. 1,468,317; Sept. 18.
Sewing machines, Work-measuring attachment for. E. W. Entriken. 1,468,145; Sept. 18.
Shaker. J. Lang. 1,468,534; Sept. 18.
Shampoo cup. L. M. Lea. 1,468,537; Sept. 18.
Sharpener, Knife. J. R. Trigwell. 1,468,611; Sept. 18.
Sharpener, Skate. F. G. Graves. 1,468,347; Sept. 18.

Shearing device, Metal-. B. Dobazenecki. 1,468,228; Sept. 18.
Sheet, Collated work. J. A. Wherry. 1,468,094; Sept. 18.
Sheets of different lengths from a continuous web, Machine for cutting and feeding. H. M. Barber. 1,468,452; Sept. 18.
Shelf, drawer, and box dividing device. W. S. Kelly. 1,468,269; Sept. 18.
Shingles and the like, Anchoring clip for roofing. B. C. Kridler. 1,468,239; Sept. 18.
Shipping rates, Guide showing comparative express and parcel-post. C. W. Flint. Re15,687; Sept. 18.
Shock absorber. C. Dozier. 1,468,614; Sept. 18.
Shock-absorbing mechanism for automotive vehicles, Combined air and liquid. F. N. Sprague. 1,468,332; Sept. 18.
Shoe. E. Cassano. 1,468,591; Sept. 18.
Shoe. J. J. Daly. 1,468,284; Sept. 18.
Shovel, Mechanical. S. Hoar. Re15,685; Sept. 18.
Sickle bar. L. Eskes. 1,468,594; Sept. 18.
Sifter, Ash. W. Yuskiewicz. 1,468,339; Sept. 18.
Sifter, Flour. A. Z. Bose. 1,468,454; Sept. 18.
Signal: *See*—
Automobile signal. Vehicle signal.
Sintering and gas-treating apparatus, Seal joint for. B. G. Klugh. 1,468,206; Sept. 18.
Slicer, Vegetable. M. E. Platts and A. F. Nebhut. 1,468,210; Sept. 18.
Slub catcher. J. O. McKean. 1,468,487–8; Sept. 18.
Smoking pipe. C. H. Lyon. 1,468,306; Sept. 18.
Snap hook. S. F. Bashara. 1,468,131; Sept. 18.
Sodium decaborate or the like direct from boron ores, Preparation of. A. A. Kelly. 1,468,366; Sept. 18.
Sound amplifier. M. Nystrom. 1,468,166; Sept. 18.
Sound box. A. Engnell. 1,468,144; Sept. 18.
Sound-reproducing apparatus, Multiple. W. H. Bristol. 1,468,455; Sept. 18.
Sound-reproduction apparatus, Automatic stop for. F. C. Hobbs. 1,468,295; Sept. 18.
Sound signals, Sender diaphragm for submarine. W. Kunze. 1,468,305; Sept. 18.
Spark-plug shield. M. McCune and D. H. Russell. 1,468,539; Sept. 18.
Sparking plug. E. Martin. 1,468,616; Sept. 18.
Sparking plug. P. D. Peterson. 1,468,031; Sept. 18.
Speed-governing mechanism. H. G. Saal. 1,468,083; Sept. 18.
Speed, time, and distance recorder. A. F. Wallbillich. 1,468,426; Sept. 18.
Splint for the setting and retaining in place of fractures of the long bones of the limbs. H. C. Masland. 1,468,387; Sept. 18.
Spoke-tightening washer. J. Talasek. 1,468,090; Sept. 18.
Spot remover. J. R. Nagues. 1,468,541; Sept. 18.
Spraying and beating head. J. C. MacLachlan. 1,468,118; Sept. 18.
Spring seat structure. F. B. King. 1,468,477; Sept. 18.
Spring suspension. R. H. Hassler. Re15,686; Sept. 18.
Spring wheel. R. H. Plass. 1,468,076; Sept. 18.
Stamp, Stencil hand. G. T. Pritchard. 1,468,512; Sept. 18.
Stand: *See*—
Bicycle stand. Hose stand.
Starting and generating system. W. A. Turbayne. 1,468,056; Sept. 18.
Steam trap. C. Stickle. 1,468,178; Sept. 18.
Steering device, Auxiliary. P. W. Johnson. 1,468,448; Sept. 18.
Steering gear. A. T. Kasley. 1,468,236; Sept. 18.
Steering wheel. G. Potchernick. 1,468,324; Sept. 18.
Stencil-printing machine. H. W. Hahn. 1,468,384; Sept. 18.
Stone and other material, Machine for spreading crushed. W. O. and J. R. King. 1,468,303; Sept. 18.
Storage battery. H. C. Thompson, jr. 1,468,051; Sept. 18.
Storage-battery circuits. R. L. Young. 1,468,096; Sept. 18.
Storage-battery practice. C. C. Carpenter. 1,468,259; Sept. 18.
Stove, Camp. C. A. Moore. 1,468,165; Sept. 18.
Stove, Cooking and heating. E. Hopkins. 1,468,300; Sept. 18.
Stove, Portable. C. O. Sheldon. 1,468,421; Sept. 18.
Sugar or the like, Apparatus for compressing. A. Letort and L. Chambon. 1,468,242; Sept. 18.
Surveying instruments. G. D. Morgan. 1,468,368; Sept. 18.
Swab. W. Gehlbach. 1,468,017; Sept. 18.
Swaging machine. N. T. McKee. 1,468,507; Sept. 18.
Swing chair, Foot-power. F. H. Kaiser. 1,468,569; Sept. 18.
Switch: *See*—
Electric switch. Railway switch.
Swivel block. H. P. Scanlon and J. H. Schumacher. 1,468,579; Sept. 18.
Table: *See*—
Display table.
Tag holder. W. W. Dunn, jr. 1,468,198; Sept. 18.
Talking-machine cabinet. A. H. Haag. 1,468,233; Sept. 18.
Talking machines, Picture attachment for. R. A. Rummel. 1,468,547; Sept. 18.
Tank heater. H. A. Friend. 1,468,561; Sept. 18.
Teapot or similar article. A. H. Sander. Des. 63,040; Sept. 18.
Telegraph, Copying. M. H. Petersen. 1,468,542; Sept. 18.
Telephone system, Automatic. W. T. Powell. 1,468,249; Sept. 18.
Telephone system, Automatic. A. J. Ray and W. A. Chapin. 1,468,078; Sept. 18.
Telescopic mute. W. R. d'Alfonso. 1,468,066; Sept. 18.
Temperature-regulating means. K. Dougan. 1,468,102; Sept. 18.
Tension mechanism. J. O. McKean. 1,468,486; Sept. 18.
Textile machines, Flier of. E. Mallalieu. 1,468,243; Sept. 18.
Textile material, Method and apparatus for stretching. H. D. Ayres. 1,468,351; Sept. 18.
Thermoelectric couple. W. H. Bristol. 1,468,456; Sept. 18.
Thermostat and time control, Combined. F. M. Sutton. 1,468,179; Sept. 18.
Threads, Gluing device for uniting warp. F. A. Martens. 1,468,207; Sept. 18.
Throttle-operating device. E. N. Cummings. 1,468,378; Sept. 18.
Tie-loading machine. D. H. Mahoney. 1,468,315; Sept. 18.
Tile and fastening means therefor. J. T. Pratt. 1,468,544; Sept. 18.
Timber clamp. J. W. Keffer. 1,468,476; Sept. 18.
Timer. E. E. Savard. 1,468,405; Sept. 18.
Timer mechanism, Releasable. R. D. Smith. 1,468,580; Sept. 18.
Tire. H. Alexander. Des. 63,019; Sept. 18.
Tire. J. J. Black. Des. 63,022; Sept. 18.
Tire adapter. C. H. Will. 1,468,221; Sept. 18.
Tire filler. G. M. Schwendler. 1,468,035; Sept. 18.
Tire for vehicle wheels, Nonskid. P. A. Cozakos. 1,468,439; Sept. 18.
Tire tread. E. H. Johnson. Des. 63,034–6; Sept. 18.
Tire tread. H. D. Mitchell. Des. 63,038; Sept. 18.
Tire, Vehicle. E. G. Hulse. Des. 63,033; Sept. 18.
Tires, Filler for vehicle. H. B. Fogel. 1,468,105; Sept 18.
Tobacco pipe. J. McMillan, jr. 1,468,318; Sept. 18.
Tobacco pipe. T. Molloy. 1,468,124; Sept. 18.
Tonsillotome. H. E. Longino. 1,468,599; Sept. 18.
Toothpick. A. C. Nielsen. 1,468,125; Sept. 18.
Torque rod and muffler, Combined. A. Larsen. 1,468,241; Sept. 18.
Toy. U. Baltich. 1,468,223; Sept. 18.
Toy shooter. D. Cavicchioli. 1,468,004; Sept. 18.
Track tool. H. L. Goldbeck. 1,468,231; Sept. 18.
Tractor control. J. R. Kendrick. 1,468,114; Sept. 18.
Tailings cone. H. K. Burch. 1,468,374; Sept. 18.
Train-control safety device. B. W. Davis. 1,468,286; Sept. 18.
Transmission system, Synchronous. E. A. Sperry. 1,468,330; Sept. 18.
Trap: *See*—
Steam trap.
Tray and condiment holder, Combination. R. Casciani. Des. 63,024; Sept. 18.
Tray or sink leg. F. A. Sampson, jr. 1,468,578; Sept. 18.
Trimmer: *See*—
Selvage trimmer.
Trolley pole. G. B. Hamric. 1,468,265; Sept. 18.
Trolley transport, Elevated aerial. G. F. Nilsson, sr. 1,468,508; Sept. 18.
Trolley wheel. J. D. Kimmel. 1,468,503; Sept. 18.
Truck. H. Green and W. M. Lyman. 1,468,469; Sept. 18.
Tube systems, Carrier check for pneumatic-dispatch-. W. H. Dinspel. 1,468,497; Sept. 18.
Tubing, Machine for sizing. S. Berg. 1,468,272; Sept. 18.
Turbines, Propelling blades for reversible steam. A. Bonom. 1,468,555; Sept. 18.
Typewriter keyboard. E. C. Hall. 1,468,566; Sept. 18.
Typewriting machine. H. E. Bridgwater. 1,468,274; Sept. 18.
Typewriting machine. H. E. Bridgwater. 1,467,995–6; Sept. 18.
Universal joint. W. R. Woods. 1,468,188–9; Sept. 18.
Vacuum pulsator-actuated mechanism. J. King. 1,468,238; Sept. 18.
Valve. C. R. C. Borden. 1,468,273; Sept. 18.
Valve. F. Lewis and W. W. Miller. 1,468,506; Sept. 18.
Valve. E. I. Pearson. 1,468,030; Sept. 18.
Valve, Automatic drain. M. Hanson. 1,468,068; Sept. 18.
Valve, Automatic gas-shut-off. I. H. Carr. 1,468,135; Sept. 18.
Valve, Auxiliary air. W. M. Coward. 1,468,283; Sept. 18.
Valve device. J. Zander. 1,468,434; Sept. 18.
Valve-grinding apparatus. W. I. Tuttle. 1,468,055; Sept. 18.
Valve lifter. W. C. Caddin. 1,468,258; Sept. 18.
Valve, Oil. F. H. Schulenberg. 1,468,172; Sept. 18.
Valve, Reversing. A. T. Keller. 1,468,502; Sept. 18.
Valve, Self-grinding poppet. M. O. Anthony. 1,467,991; Sept. 18.
Valve-spring compressor. A. E. and C. E. Marts. 1,468,121; Sept. 18.
Valve springs of internal-combustion engines, Implement for compressing the. J. Terroine. 1,468,526; Sept. 18.
Vanity box. C. T. Foster. Des. 63,028–30; Sept. 18.

Vaporizing attachment. L. G. Stransky. 1,468,524; Sept. 18.
Vegetable cutter. C. Russo. 1,468,546; Sept. 18.
Vehicle brake. W. M. Forsyth. 1,468,014; Sept. 18.
Vehicle, Child's. J. Gedeon and W. Miller. 1,468,346; Sept. 18.
Vehicle signal, Illuminated motor-. H. F. Riopelle. 1,468,079; Sept. 18.
Vehicle wheel remover. H. Thomason. 1,468,334; Sept. 18.
Ventilator. T. Horn. 1,468,160; Sept. 18.
Vermiculated work, Producing. J. H. Delaney. 1,468,343; Sept. 18.
Vinegar stock into vinegar generator, Means for feeding. E. G. and J. A. Pfahl. 1,468,394; Sept. 18.
Vitamines, Obtaining. L. A. Agopian. 1,468,251; Sept. 18.
Voltaic cell. F. R. Parker. 1,468,574; Sept. 18.
Wagon. H. M. Shaw. 1,468,173; Sept. 18.
Wagon. W. E. Sherwood. 1,468,174–5; Sept. 18.
Wagon, Tea. T. C. Cameron. Des. 63,023; Sept. 18.
Wall board, Redwood-bark. J. K. Shaw. 1,468,036; Sept. 18.
Wall panel. O. Anderson. Des. 63,020; Sept. 18.
Washer: *See*—
Spoke-tightening washer.
Washing machine. W. N. Rettinger. 1,468,399; Sept. 18.
Washing machine. F. Wilson. 1,468,588; Sept. 18.
Water-closet. D. A. Ebinger. 1,468,142; Sept. 18.
Water cooler. R. E. Miller. 1,468,309; Sept. 18.
Water gauge, Safety. J. G. Lowden. 1,468,117; Sept. 18.
Weighing instrument. R. G. Ainsworth. 1,468,129; Sept. 18.
Wells, Gas and water separator for oil. L. L. Carter. 1,468,193; Sept. 18.
Wheel: *See*—
Metal wheel. Steering wheel.
Spring wheel. Trolley wheel.
Wheel. T. Brown. 1,467,999; Sept. 18.
Wheel. C. W. Fulton. 1,468,263; Sept. 18.
Wheel structure. E. W. Weaver. 1,468,093; Sept. 18.
Wheel-trimming device. M. S. Cumner and F. W. Geissenhainer. 1,468,357; Sept. 18.
Wheels, Traction plate for use with motor-vehicle. S. B. Johnson. 1,468,023; Sept. 18.
Winding machine. G. N. Taylor. 1,468,583; Sept. 18.
Window lock. E. G. Lance. 1,468,367; Sept. 18.
Window lock. B. E. Washburn. 1,468,058; Sept. 18.
Window screen. J. H. Grayson. 1,468,232; Sept. 18.
Window weight. A. F. Wixson. 1,468,429; Sept. 18.
Windows and similar purposes, Apparatus for cleaning. O. H. Smazelle, J. Hetherington, and L. M. McIldowie. 1,468,219; Sept. 18.
Windshield wing. A. Wassel. 1,468,182; Sept. 18.
Wine press. J. Szafka. 1,468,047; Sept. 18.
Wire, Barbed. A. W. Storey. 1,468,218; Sept. 18.
Wire feeding and cutting-off mechanism. W. E. Primrose. 1,468,511; Sept. 18.
Wireless telephony, Transmitter for. S. O. E. T. Trost. 1,468,250; Sept. 18.
Wrapping and packing small articles such as cigarettes, Machine for. W. E. Molins. 1,468,246; Sept. 18.
Wrapping machine. J. Scherner. 1,468,610; Sept. 18.
Wrench: *See*—
Quick-adjusting wrench.
Wrench. W. O. Vivarttas. 1,468,529; Sept. 18.
Wringer: *See*—
Clothes wringer.
Yarn tension device. J. O. McKean. 1,468,489; Sept. 18.

CLASSIFICATION OF PATENTS

ISSUED SEPTEMBER 18, 1923.

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American Chicle Company, Long Island City, N. Y. Chewing gum. 173,489; Sept. 25; Serial No. 175,834; published June 19, 1923.
American Lady Corset Co., Detroit, Mich. Corsets, corset waists, underwear, etc. 173,557; Sept. 25.
American Scientific Laboratories, Inc., Chicago, Ill. Preparation for the prevention and treatment of intestinal disorders of fowls. 173,516; Sept. 25.
American Steam Gauge & Valve Manufacturing Company, Boston, Mass. Gauges, thermometers, etc. 173,417; Sept. 25; Serial No. 154,346; published June 26, 1923.
American Writing Paper Company, Holyoke, Mass. Writing and printing paper and mailing envelopes. 173,464; Sept. 25; Serial No. 179,701; published June 19, 1923.
Andrews Brothers Company, Inc., Pittsburgh, Pa. Fresh citrous fruits and fresh vegetables. 173,478; Sept. 25; Serial No. 176,152; published May 15, 1923.
Andrews, H. P., Paper Company, New York, N. Y. Bond paper. 173,529; Sept. 25.
Arrow Knitting Company. (See Cohen, Jacob H.)
Askegaard, E. D., Moorhead, Minn. Potatoes in their natural state. 173,482; Sept. 11; Serial No. 175,911; published June 19, 1923.
Associated Textile Manufacturers, Inc., New York, N. Y. Manufactured textile fabrics. 173,380; Sept. 25; Serial No. 175,232; published Apr. 17, 1923.
Atascadero Fruit Exchange, Atascadero, Calif. Canned fruits and vegetables. 173,342; Sept. 25; Serial No. 171,346; published June 26, 1923.
Bachmann Bros., Philadelphia, Pa. Spectacle frames. 173,548; Sept. 25.
Bailhache, Isophene G., doing business as The Dubblebord Company, San Francisco, Calif. Ironing boards. 173,528; Sept. 25.
Baker & Co., Inc., Newark, N. J. Dental band material. 173,459; Sept. 25; Serial No. 178,949; published June 19, 1923.
Baker & Co., Inc., Newark, N. J. Dental metal. 173,460; Sept. 25; Serial No. 178,951; published June 19, 1923.
Baldacci, Valentino, doing business as Laboratorio Chimico Farmaceutico V. Baldacci, Pisa, Italy. Pharmaceutical preparations for the treatment of diabetes, etc. 173,328; Sept. 25; Serial No. 171,703; published June 26, 1923.
Baldwin Tool Works, Parkersburg, W. Va. Shovels, spades, scoops, posthole diggers, and wooden handles. 173,433; Sept. 25; Serial No. 166,645; published Jan. 23, 1923.
Baltimore Bargain House, Baltimore and Cumberland, Md. Monthly publications. 173,583; Sept. 25.
Barrist & Co., Philadelphia, Pa. Women's, misses', and children's coats, skirts, and suits. 173,435; Sept. 25; Serial No. 174,764; published June 26, 1923.
Battle Creek Food Company, The, Battle Creek, Mich. Nut cereal food. 173,488; Sept. 25; Serial No. 175,838; published June 19, 1923.
Battle Creek Food Company, The Battle Creek, Mich. Cereal breakfast food. 173,500; Sept. 25; Serial No. 175,701; published June 19, 1923.
Battle Creek Food Company, The, Battle Creek, Mich. Vegetable flavors for food-flavoring purposes. 173,501; Sept. 25; Serial No. 175,704; published June 19, 1923.
Bear Brand Hosiery Co., Chicago, Ill. Hosiery. 173,504; Sept. 25; Serial No. 175,761; published June 12, 1923.
Benner Chemical Company, Chicago, Ill. Modified and neutral sodas for cleaning and water-softening purposes. 173,536; Sept. 25.
Bentley & Twohey Silk Co., Newton, N. J., and New York, N. Y. Silk piece goods and artificial silk, cotton, wool, and worsted piece goods and combinations thereof. 173,324; Sept. 25; Serial No. 172,197; published June 26, 1923.
Benzo-Gas Motor Fuel Company, Kansas City, Mo. Liquid motor fuel. 173,462; Sept. 25; Serial No. 179,086; published June 19, 1923.
Berger, Louis, doing business as Manhattan Manufacturing Co., New York, N. Y. Office coats. 173,555; Sept. 25.
Berguson-Skinner Corporation, Chicago, Ill. Pistons. 173,420; Sept. 25; Serial No. 156,248; published June 26, 1923.
Bernard, Albert, New York, N. Y. Candies. 173,475–6; Sept. 25; Serial Nos. 176,155–6; published June 19, 1923.
Bernhard, Elmer F., South Bend, Ind. Cleaning and water-softening preparation. 173,543; Sept. 25.
Bernhard Ulmann Co., Inc., New York, N. Y. Crocheted and knitted slippers and shoes, bootees, dresses, suits, etc. 173,564; Sept. 25.
Bestmake Boys Clothing Co., Inc., New York, N. Y. Suits and topcoats. 173,332; Sept. 25; Serial No. 171,199; published June 19, 1923.
Biffar, Fred, Chicago, Ill. Pocketknives. 173,521; Sept. 25.
Birdsey Somers Company, New York, N. Y. Brassières. 173,440; Sept. 25; Serial No. 174,532; published June 26, 1923.
Blank, Henry, & Company, Newark, N. J. Watches and parts thereof. 173,534–5; Sept. 25.
Bohn Refrigerator Company, St. Paul, Minn. Refrigerators. 173,582; Sept. 25.
Bouton, Emile, Paris, France. Hat linings. 173,415; Sept. 25; Serial No. 145,430; published June 19, 1923.
Bovee Novelty Company, Chicago, Ill. Vanity kits and cases. 173,455; Sept. 25; Serial No. 178,325; published June 19, 1923.
Boyshform Brassiere Co., The, New York, N. Y. Brassières. 173,551–3; Sept. 25.
Bradt, Gustavus H., San Francisco, Calif. Canned berries and fruits. 173,573–4; Sept. 25.
Bradt, Gustavus H., San Francisco, Calif. Canned fruits and berries, fruit jams, etc. 173,575; Sept. 25.
Camp, S. H., & Company, Jackson, Mich. Abdominal belts, corsets, girdles, braces, etc. 173,576; Sept. 25.
Cardinell, John D., doing business as Cardinell Vellum Mfg. Co., Montclair, N. J. Tracing paper. 173,465–6; Sept. 25; Serial Nos. 179,712–3; published June 19, 1923.
Carey Salt Co., The, Hutchinson, Kans. Salt. 173,541; Sept. 25.
Caron Corporation. (See Daltroff, E., & Cie., assignor.)
Carran, Grace B., doing business as Central Petroleum Company, Cleveland, Ohio. Lubricating oils and greases. 173,468; Sept. 25; Serial No. 179,927; published June 26, 1923.
Cassoff, Louis F., doing business as Central Shellac Works, Brooklyn, N. Y. Specially-prepared shellac products. 173,401; Sept. 25; Serial No. 175,343; published June 19, 1923.
Cato Oil and Grease Co., Oklahoma, Okla. Lubricating oils and greases. 173,461; Sept. 25; Serial No. 179,294; published June 19, 1923.
Central Petroleum Company. (See Carran, Grace B.)
Central Shellac Works. (See Cassoff, Louis F.)
Chalmers Chemical Company, Newark, N. J. Preparation for removing ink, dirt, and grease from type, wood, etc. 173,592; Sept. 25.
Chastains' Incorporated, Lewiston, Idaho. Photographic prints. 173,594; Sept. 25.
Chicago Egg Noodle Company. (See Klein, Alec.)
Chocolate Products Company, Wilmington, Del., and Baltimore, Md. Candy. 173,502; Sept. 25; Serial No. 175,711; published June 19, 1923.
Cincinnati Cordage & Paper Co., The, Cincinnati, Ohio. Writing paper (monogram linen). 173,439; Sept. 25; Serial No. 174,556; published June 26, 1923.
Clark, Daniel C., Boston, Mass. Leather shoes. 173,562; Sept. 25.
Clinton Copeland Co., Burlington, Iowa. Chocolate candies. 173,393; Sept. 25; Serial No. 162,532; published July 3, 1923.
Close, George, Co., The, Cambridge, Mass. Candy. 173,347; Sept. 25; Serial No. 170,561; published June 26, 1923.
Coari, C. A., doing business as Coari Peanut Products Co., Chicago, Ill. Peanuts and all kinds of nut meats and nut products. 173,354; Sept. 25; Serial No. 162,917; published June 26, 1923.
Coast Fishing Company, Incorporated, Wilmington, Calif. Canned fish. 173,406; Sept. 25; Serial No. 176,327; published June 26, 1923.
Coaston, Mary C., Norfolk, Va. Hair dressing. 173,560; Sept. 25.
Cobb, Richard H., doing business as The Yeast-O-Mint Co., Cleveland, Ohio. Chewing gum. 173,390; Sept. 25; Serial No. 155,253; published July 3, 1923.
Cohen, Jacob H., doing business as Arrow Knitting Company, New York, N. Y. Sweaters and sport coats. 173,487; Sept. 25; Serial No. 175,851; published June 19, 1923.
Cohen, Louis N., & Co., Inc., New York, N. Y. Raincoats and rainproof men's and children's clothing. 173,454; Sept. 25; Serial No. 173,564; published June 26, 1923.
Cohn, Bennie, Los Angeles, Calif. Hosiery, suspenders, garters, arm bands, underwear, etc. 173,335; Sept. 25; Serial No. 169,949; published June 26, 1923.
Cohn Hall Marx Co., New York, N. Y. Cotton piece goods and cotton and silk mixtures in the piece. 173,387; Sept. 25; Serial No. 173,278; published Mar. 20, 1923.
Colorado Milling & Elevator Co., also doing business as The Mesa Flour Mills, Denver and Grand Junction, Colo. Wheat flour. 173,490; Sept. 25; Serial No. 175,470; published June 19, 1923.
Cook, Jerome I., doing business as Research Advertising Bureau, St. Louis, Mo. Blank-form books. 173,474; Sept. 25; Serial No. 176,165; published June 19, 1923.

Custer, John A., doing business as Telltale Hosiery Co., Lansdale, Pa. Hosiery. 173,394; Sept. 25; Serial No. 178,227; published July 10, 1923.

Daisy Dish Pan Company. (See Hendricks, William H.)

Daisy Whitehead Knitting Co., New York, N. Y. Hosiery. 173,508; Sept. 25; Serial No. 175,826; published June 19, 1923.

Daltroff, E., & Cie., doing business as Parfumerie Caron, Paris, France, assignor to Caron Corporation. Perfume, toilet water, rouges, face powder, etc. 173,444; Sept. 25; Serial No. 173,875; published June 26, 1923.

De Cameron, Inc., New York, N. Y. Perfumes. 173,590; Sept. 25.

Diamond Expansion Bolt Co., New York, N. Y. Bolt anchors and expansion shields and parts therefor. 173,587; Sept. 25.

Direct Equipment & Engineering Corporation, New York, N. Y. Bottle filling and washing machines and cork pullers. 173,531; Sept. 25.

Dixon, Joseph, Crucible Company, Jersey City, N. J. Pencils. 173,578; Sept. 25.

Dryden Corporation, Oakland Calif. Ice cream. 173,522; Sept. 25.

Dubbeberd Company, The. (See Ballhache, Isophene G.)

Dunlap, J. S., Chicago, Ill. Can openers and cap lifters. 173,525; Sept. 25.

Duplan Silk Corporation, New York, N. Y. Silk piece goods. 173,540; Sept. 25.

East Slope Fruit Association, Mecca, Calif. Fresh grapes and vegetables. 173,559; Sept. 25.

Eat Wenatchee Apples, Inc., Wenatchee, Wash. Fresh apples. 173,556; Sept. 25.

Elmer Candy Co. Inc., New Orleans, La. Candy. 173,523; Sept. 25.

Ely, Mark C., doing business as Vita Products Company, Butte and Clancy, Mont. Rye breakfast cereal. 173,353; Sept. 25; Serial No. 166,357; published Mar. 20, 1923.

Equitable Trust Company of New York, trustee. (See Fownes Brothers & Co., assignor.)

Estate of A. C. Decker, Keokuk, Iowa. Hog rings. 173,544; Sept. 25.

Etablissements Poulenc frères, Paris, France. Specific vaccine. 173,447–8; Sept. 25; Serial Nos. 173,749–50; published June 26, 1923.

Etablissements Poulenc frères, Paris, France. Double iodide of quinine and bismuth. 173,449; Sept. 25; Serial No. 173,748; published June 26, 1923.

Etablissements Poulenc frères, Paris, France. Specific vaccine. 173,450–1; Sept. 25; Serial Nos. 173,746–7; published June 26, 1923.

Etablissements Poulenc frères, Paris, France. Specific vaccine. 173,452; Sept. 25; Serial No. 173,744; published June 26, 1923.

Evol Chemical Company. (See Welsberg, Emily R.)

Excelo Manufacturing Company. (See Head, Hamilton D.)

Excelsior Underwear Co. Inc., New York, N. Y. Athletic underwear and pyjamas and shirts for men and boys. 173,326; Sept. 25; Serial No. 171,910; published July 3, 1923.

Federal Knitting Company, Inc., Philadelphia, Pa. Silk and cotton hosiery, and men's crochet and knitted neckwear. 173,446; Sept. 25; Serial No. 173,762; published June 26, 1923.

Feinson, Joseph M., New York, N. Y. Cravats, mufflers, and men's lounging robes. 173,486; Sept. 25; Serial No. 175,854; published June 12, 1923.

Fleischer, Joseph, doing business as Fleischer & Co., New York, N. Y. Silk opera caps. 173,550; Sept. 25.

Foley & Company, Chicago, Ill. Talcum powder. 173,472; Sept. 25; Serial No. 176,260; published June 19, 1923.

Foltzer, Charles, doing business as French Swiss Noodle Company, Cincinnati, Ohio. Noodles. 173,352; Sept. 25; Serial No. 166,503; published June 26, 1923.

Foote, J. Harvey, doing business as Stain-Off Company, Burlington, Vt. Preparation for use in removing discoloration from the teeth. 173,404; Sept. 25; Serial No. 175,856; published June 26, 1923.

Forest City Manufacturing Company, St. Louis, Mo. Ladies' and misses' aprons and house dresses. 173,427; Sept. 25; Serial No. 162,397; published June 26, 1923.

Fort Worth Drilling Tool Company, Fort Worth, Tex. Cable, drilling tools, rope sockets, bailers, etc. 173,485; Sept. 25; Serial No. 175,857; published June 12, 1923.

Fownes Brothers & Co., Gloversville, Amsterdam, and New York, N. Y., assignor, by mesne assignments, to Equitable Trust Company of New York, trustee, New York, N. Y. Gloves, made of leather or skins. 173,567–8; Sept. 25.

Fraser Milk Products Co., Inc., Fraser, N. Y. Powdered milk and baby foods. 173,375; Sept. 25; Serial No. 177,480; published July 10, 1923.

French Swiss Noodle Company. (See Foltzer, Charles.)

Friedman & Krieger, New York, N. Y. Cotton fabrics. 173,369; Sept. 25; Serial No. 179,528; published July 3, 1923.

Garfinkle, Julius, doing business as Julius Garfinkle & Co., Washington, D. C. Suits, dresses, skirts, walsts, etc. 173,383; Sept. 25; Serial No. 174,362; published July 10, 1923.

Gash, Abraham, New York, N. Y. Winter-pressed cottonseed salad oil flavored with pure olive oil. 173,445; Sept. 25; Serial No. 173,819; published June 26, 1923.

Gentry, Charles B., doing business as C. B. Gentry Chili Powder Co., Los Angeles, Calif. Chili powder. 173,572; Sept. 25.

Godwin & Lohmann, Brooklyn, N. Y. Compounds for the removal of rust and scale from the interior of radiators and water jackets. 173,549; Sept. 25.

Goodman, Samuel, Baltimore, Md. Suits. 173,320; Sept. 25; Serial No. 173,416; published June 26, 1923.

Gorton-Pew Fisheries Company, Gloucester, Mass. Smoked herring. 173,570; Sept. 25.

Grace, W. R., & Co., New York, N. Y., and San Francisco, Calif. Hosiery and men's knitted and textile underwear. 173,331; Sept. 25; Serial No. 171,270; published June 26, 1923.

Graham, William A., doing business as Parkstone Laboratory, Chicago, Ill. Biliary antiseptic. 173,484; Sept. 25; Serial No. 175,862; published June 26, 1923.

Greenstone, Abraham, New York, N. Y. Men's and boys' shirts. 173,512; Sept. 25.

Greenwald Brothers Incorporated, Philadelphia, Pa. Hosiery. 173,422; Sept. 25; Serial No. 157,032; published June 26, 1923.

Gudebrod Bros. Silk Co., New York, N. Y. Spool silk. 173,503; Sept. 25; Serial No. 175,785; published June 26, 1923.

Guest, Keen & Nettlefolds Limited, Smethwick, England. Screws, bolts, washers, etc. 173,434; Sept. 25; Serial No. 166,683; published June 26, 1923.

Hans Brothers Fabrics Corporation, New York, N. Y. Silk, linen, woolen, and cotton piece goods and combinations thereof. 173,318; Sept. 25; Serial No. 165,885; published Aug. 29, 1922.

Hans-Leiber Grocery Co., St. Louis, Mo. Coffee. 173,405; Sept. 25; Serial No. 175,863; published June 26, 1923.

Hall Baking Co., Buffalo, N. Y. Bread. 173,505; Sept. 25; Serial No. 175,787; published June 19, 1923.

Hamersley Manufacturing Company, The, New York, N. Y. Wax paper. 173,530; Sept. 25.

Head, Hamilton D., doing business as Excelo Manufacturing Company, Texarkana, Tex. Polish for furniture and varnished surfaces. 173,396; Sept. 25; Serial No. 173,705; published June 19, 1923.

Hendricks, William H., doing business as Daisy Dish Pan Company, New Haven, Conn. Nonenameled dish pans. 173,416; Sept. 25; Serial No. 152,799; published June 26, 1923.

Hoffman, Elic A., doing business as E. A. Hoffman Candy Co., also as Hoffman's, Los Angeles, Calif. Candy and chocolates. 173,358; Sept. 25; Serial No. 159,024; published June 26, 1923.

Indianapolis Abattoir Company, Indianapolis, Ind. Hams, shoulders, bacon, sausage, etc. 173,519; Sept. 25.

Ingersoll Redipoint Company, Inc., New York, N. Y. Pencils, pens, leads, and erasers. 173,441; Sept. 25; Serial No. 174,451; published June 26, 1923.

Ireno, Madame, New York, N. Y. Brassières and women's underwear. 173,338; Sept. 25; Serial No. 173,498; published June 26, 1923.

Jakobs, Nachem, doing business as Netherlands Haarlem Oil Manufacturing Company, Philadelphia, Pa. Medicinal oil for treatment of kidney, liver, bladder, etc., troubles. 173,325; Sept. 25; Serial No. 171,998; published June 26, 1923.

Jones, S. M., Company, The, Toledo, Ohio. Sucker rods. 173,431; Sept. 25; Serial No. 163,876; published Dec. 19, 1922.

Jordan Marsh Company, Boston, Mass. Men's and boys' hats, caps, collars, shirts, etc. 173,563; Sept. 25.

Kenilworth Manufacturing Co. Inc., New York, N. Y. Knickerbockers or bloomers to be worn as outer garments or undergarments. 173,334; Sept. 25; Serial No. 170,887; published June 26, 1923.

Kings County Packing Co., Armona, Calif. Canned fruits. 173,344; Sept. 25; Serial No. 171,329; published June 26, 1923.

Kings County Packing Co., Armona, Calif. Canned and preserved figs, canned fruits and vegetables. 173,345; Sept. 25; Serial No. 171,328; published June 26, 1923.

Klein, Alec, doing business as Chicago Egg Noodle Company, Chicago, Ill. Potato chips, noodles, spaghetti, and macaroni. 173,571; Sept. 25.

Klein-Messner Co., Inc., New York, N. Y. Cotton piece goods. 173,343; Sept. 25; Serial No. 171,331; published June 26.

Knitted Textiles Corporation, New York, N. Y., and Allentown, Pa. Woven and knitted textile fabrics in the piece and cotton and wool piece goods. 173,363–4; Sept. 25; Serial Nos. 179,798–9; published July 3, 1923.

Koen Brothers, New York, N. Y. Coats, suits, and skirts. 173,518; Sept. 25.

Krippendorf-Tuttle White Cliffs Products Co., The, Cincinnati, Ohio. Fertilizers. 173,412; Sept. 25; Serial No. 177,744; published June 19, 1923.

Kumamoto, Miyakichi, doing business as Kumamoto Fish Co., Seattle, Wash. Fish cakes and canned fish. 173,381; Sept. 25; Serial No. 175,015; published July 3, 1923.

Kummer, Upmann & Co., New York, N. Y. Cotton piece goods. 173,367; Sept. 25; Serial No. 179,608; published July 3, 1923.

Laboratorio Chimico Farmaceutico V. Baldacci. (See Baldacci, Valentino.)

Leadclad Wire Company, Wheeling and Moundsville, W. Va. Woven-wire fencing, barbed wire, steel fenceposts, and wire staples. 173,585; Sept. 25.

Lehigh Silk Hosiery Mills, Inc., New York, N. Y.; Philadelphia and Norristown, Pa.; and Hoboken, N. J. Silk hosiery. 173,589; Sept. 25.

Leland Lock Company, Detroit, Mich. Locks for automobiles and parts thereof. 173,520; Sept. 25.

Levene, Ben, Inc., New York, N. Y. Ladies' hosiery 173,395; Sept. 25; Serial No. 173,395; published June 26, 1923.

Lindsay Co-Operative Citrus Association, Lindsay, Calif. Fresh citrous fruits. 173,496; Sept. 25; Serial No. 175,609; published June 19, 1923.

Livingston, Joseph, Pittsburgh, Pa. Preparation for treatment of consumption, etc. 173,579; Sept. 25.

Locatelli, Ercole, doing business as Mattia Locatelli, New York, N. Y. Cheese. 173,533; Sept. 25.

Lorraine Manufacturing Company, Pawtucket, R. I. Bengaline, chiffon, crashes, serges, etc. 173,584; Sept. 25.

Los Angeles Macaroni Co., Los Angeles, Calif. Alimentary paste. 173,593; Sept. 25.

Lyons, Langston L., doing business as Yo! Mammy's Milk Co., St. Louis, Mo. Evaporated milk. 173,498; Sept. 25; Serial No. 175,668; published June 19, 1923.

McNulty, Joseph A., New York, N. Y. Red oxides. 173,410; Sept. 25; Serial No. 177,684; published June 19, 1923.

Mammy's Milk Co. (See Lyons, Langston L.)

Manhattan Manufacturing Co. (See Berger, Louis.)

Margulies, Larry J., New York, N. Y. Women's dresses and waists. 173,408; Sept. 25; Serial No. 176,902; published June 26, 1923.

Marshall Field & Company, Chicago, Ill. Complexion and bath soap. 173,586; Sept. 25.

Marshall-Wells Company, Duluth, Minn. Pack sacks, saddles, horse collars, harness, etc. 173,457; Sept. 25; Serial No. 178,533; published June 19, 1923.

May Hosiery Mills, Incorporated, Burlington, N. C. Hosiery, underwear, and outer garments. 173,346; Sept. 25; Serial No. 170,589; published June 26, 1923.

Mead Johnson & Co., Evansville, Ind. Specially-prepared food for infants. 173,340; Sept. 25; Serial No. 171,939; published June 26, 1923.

Mengart Knitting Mills, New York, N. Y. Sweaters, dresses, bathing suits, mufflers, knitted gloves, stockings, etc. 173,399; Sept. 25; Serial No. 175,149; published June 26, 1923.

Meridian Grain & Elevator Company. (See Wilson, John M.)

Mesa Flour Mills, The. (See Colorado Milling & Elevator Co.)

Meyer, Emile, New York, N. Y. Cotton goods in the piece, silk and cotton fabrics, and silk goods in the piece. 173,370; Sept. 25; Serial No. 178,764; published May 22, 1923.

Miller-Cummings Company, Inc., New York, N. Y. Fresh cantaloupes. 173,384; Sept. 25; Serial No. 173,436; published July 3, 1923.

Miller-Cummings Company, Inc., New York, N. Y. Fresh cantaloupes, melons, grapes, etc. 173,385; Sept. 25; Serial No. 173,435; published July 3, 1923.

Mills Novelty Company, Chicago, Ill. Flavored sugar tablets. 173,379; Sept. 25; Serial No. 175,260; published July 3, 1923.

Morse & Co., Oshkosh, Wis. Antiseptic scalp cream. 173,542; Sept. 25.

Mott, Thomas K., Los Angeles, Calif. Marmalade, jams, and preserved fruits. 173,376; Sept. 25; Serial No. 176,850; published July 3, 1923.

National Food Products Co., Chicago, Ill. Salted peanuts. 173,561; Sept. 25.

Naumkeag Steam Cotton Co., Salem, Mass. Cotton piece goods. 173,391; Sept. 25; Serial No. 163,761; published Jan. 9, 1923.

Nelson, Thomas, & Sons, New York, N. Y. Bibles. 173,517; Sept. 25.

Netherlands Haarlem Oil Manufacturing Company. (See Jakobs, Nachem.)

Neuss, Hesslein & Co., Inc., New York, N. Y. Printed, bleached, and gray, etc., cotton piece goods. 173,366; Sept. 25; Serial No. 179,620; published July 3, 1923.

Newark Tortoise Shell Novelty Co., Newark, N. J. Hand mirrors and picture frames. 173,591; Sept. 25.

New Jersey Zinc Company, The, Newark and Franklin, N. J. Pastes for paint purposes. 173,458; Sept. 25; Serial No. 178,402; published June 19, 1923.

Newkirk, Roy, Kansas City, Mo. Cookies. 173,515; Sept. 25.

Norflett, John C., doing business as Royal Progressive Company, Brooklyn, N. Y. General tonic. 173,421; Sept. 25; Serial No. 156,290; published June 26, 1923.

Norwich Pharmacal Company, The, Norwich, N. Y. Chemicals, medicines, and pharmaceutical preparations. 173,526; Sept. 25.

O'Callaghan & Fedden, Inc., New York, N. Y. Stockings. 173,581; Sept. 25.

Osman, John, Atlanta, Ga. Intestinal regulator. 173,442; Sept. 25; Serial No. 174,407; published June 26, 1923.

Pacific Mills, Lawrence and Boston, Mass. Cotton piece goods. 173,360; Sept. 25; Serial No. 180,139; published July 3, 1923.

Parfumerie Caron. (See Daltroff, E., & Cie.)

Parfumerie Roger & Gallet, Paris, France. Pastes and powders for beautifying and preserving the teeth, skin, and hair, and perfumery. 173,438; Sept. 25; Serial No. 174,590; published June 26, 1923.

Paristyle Novelty Co. Inc., New York, N. Y. Hair nets. 173,565; Sept. 25.

Park & Tilford, New York, N. Y. Cream of tartar. 173,321; Sept. 25; Serial No. 173,241; published June 26, 1923.

Parkstone Laboratory. (See Graham, William A.)

Parrett and Swank, North Manchester, Ind. Compound for the treatment of cancers. 173,330; Sept. 25; Serial No. 171,548; published June 26, 1923.

Petrich, Mike G., Cleveland, Ohio. Preparation for the treatment of cancer. 173,333; Sept. 25; Serial No. 171,187; published June 26, 1923.

Philadelphia Quartz Company, Philadelphia, Pa. Sodium silicate. 173,425; Sept. 25; Serial No. 158,727; published June 26, 1923.

Philippe, Louis, Inc., New York, N. Y. Rouge, powder, and rouge compacts, brilliantines, etc. 173,323; Sept. 25; Serial No. 173,105; published June 26, 1923.

Philips, Ralph S., New York, N. Y. Underwear of textile material for women and girls. 173,436; Sept. 25; Serial No. 174,750; published June 26, 1923.

Pistoia, Dante, San Francisco, Calif. Medicine used in the treatment of piles and flatulency. 173,339; Sept. 25; Serial No. 173,298; published May 1, 1923.

Planters Nut & Chocolate Company, Wilkes-Barre, Pa. Candy. 173,377; Sept. 25; Serial No. 176,567; published July 13, 1923.

Platt, Harry B., New York, N. Y. Men's and boys' outer garments. 173,409; Sept. 25; Serial No. 176,916; published June 26, 1923.

Poor, Charles L., Co., New York, N. Y. Cotton piece goods. 173,473; Sept. 25; Serial No. 176,214; published June 26, 1923.

Poor, Charles L., Co., New York, N. Y. Cotton piece goods. 173,477; Sept. 25; Serial No. 176,042; published June 19, 1923.

Powell Knitting Company, The, Philadelphia, Pa. Hosiery. 173,430; Sept. 25; Serial No. 166,250; published June 19, 1923.

Pup Toys Company, The, Chicago, Ill. Candy boxes, wrappers, and receptacles. 173,400; Sept. 25; Serial No. 175,159; published June 19, 1923.

Queen City Extract Company, The, Cincinnati, Ohio. Grape-flavored sirup for food purposes. 173,392; Sept. 25; Serial No. 163,595; published July 3, 1923.

Real Silk Hosiery Mills, Indianapolis, Ind. Hosiery. 173,566; Sept. 25.

Red-O-Led Plaster Co., The, Morgantown, W. Va. Drawing plaster. 173,398; Sept. 25; Serial No. 174,799; published June 26, 1923.

Reed Oil Company, Rogers, Ark. Lubricating oils and greases. 173,407; Sept. 25; Serial No. 176,366; published June 19, 1923.

Reid, Murdoch & Co., Chicago, Ill. Baking powder and baking soda. 173,471; Sept. 25; Serial No. 176,283; published June 19, 1923.

Relyea Soap Co., Inc., The, Louisville, Ky. Preparation for preventing the running of dyes in fabrics during washing. 173,511; Sept. 25.

Renulife Electric Co., Detroit, Mich. Electric therapeutic apparatus, including violet-ray and ozone generators, etc. 173,414; Sept. 25; Serial No. 178,193; published June 19, 1923.

Research Advertising Bureau. (See Cook, Jerome I.)

Rhodes & Ripley Clothing Company, Boston, Mass. Overcoats for men, women, and children. 173,397; Sept. 25; Serial No. 173,724; published June 26, 1923.

Rice-Stix Dry Goods Company, St. Louis, Mo. Hosiery. 173,494; Sept. 25; Serial No. 175,567; published June 12, 1923.

Riley Shoe Manufacturing Co., The, Columbus, Ohio. Shoes. 173,577; Sept. 25.

Riteweb Manufacturing Company Inc., Yonkers, N. Y. Athletic and knitted underwear. 173,371; Sept. 25; Serial No. 178,286; published July 10, 1923.

Riteweb Manufacturing Company, Inc., Yonkers, N. Y. Athletic and knitted underwear. 173,373; Sept. 25; Serial No. 178,285; published July 10, 1923.

Robbins, William G., doing business as Webber Chemical Co., Los Angeles, Calif. Compound sirups, compound extract of coca leaves and kola nuts. 173,350; Sept. 25; Serial No. 169,257; published June 26, 1923.

Roche, William E., doing business as The Roche Fruit and Produce Co., Yakima, Wash. Fresh apples. 173,329; Sept. 25; Serial No. 171,552; published June 26, 1923.

Rothman, Nathan, doing business as Rough Rider Manufacturing Company, San Francisco, Calif. Khaki, corduroy, and worsted pants. 173,337; Sept. 25; Serial No. 167,019; published June 19, 1923.

Rough Rider Manufacturing Company. (See Rothman, Nathan.)

Royal Progressive Company. (See Norflett, John C.)

Ruy Lopez Co., New York, N. Y. Cigars. 173,388; Sept. 25; Serial No. 172,772; published Mar. 20, 1923.
Salt's Textile Manufacturing Company, The, Bridgeport, Conn., and New York, N. Y. Pile fabrics in the piece. 173,357; Sept. 25; Serial No. 159,118; published June 26, 1923.
Samson Candy Company, Mechanicsburg, Pa. Candies. 173,493; Sept. 25; Serial No. 175,538; published June 19, 1923.
Schaefer, John L., New York, N. Y. Paper toilet-seat covers. 173,463; Sept. 25; Serial No. 179,683; published June 19, 1923.
Schaffner Brothers Company, Erie, Pa. Bacon, ham, breakfast-bacon squares. 173,389; Sept. 25; Serial No. 169,929; published July 3, 1923.
Schratter, Alfred, doing business as Schratter Brothers, New York, N. Y. Canned peppers. 173,351; Sept. 25; Serial No. 141,134; published June 26, 1923.
Schwarzenbach Huber Company, The, West Hoboken, N. J. Silk and artificial-silk piece goods, cotton, linen, and woolen piece goods, and combinations of same. 173,359; Sept. 25; Serial No. 180,145; published July 3, 1923.
Schwarzenbach Huber Company, The, West Hoboken, N. J. Cotton-back satin in the piece. 173,374; Sept. 25; Serial No. 180,146; published July 3, 1923.
Scotia Mills, Inc., New York, N. Y. Hosiery and underwear. 173,513; Sept. 25.
Seacoast Canning Company, Eastport, Me. Canned tunny fish. 173,386; Sept. 25; Serial No. 173,303; published June 19, 1923.
Seattle Macaroni Mfg. Co. Inc., Seattle, Wash. Macaroni, vermicelli, and spaghetti. 173,514; Sept. 25.
Seifert, Oswald, Salt Lake City, Utah. Blood purifiers, stomach tonic, cough sirup, etc. 173,349; Sept. 25; Serial No. 169,376; published June 26, 1923.
Senora Paint Works, Inc., Long Island City, N. Y. Mixed liquid paints. 173,413; Sept. 25; Serial No. 177,752; published June 19, 1923.
Seymour Manufacturing Company, The, Seymour, Conn. Metal alloys of copper, zinc, and nickel. 173,479; Sept. 25; Serial No. 175,956; published June 19, 1923.
Seymour Manufacturing Company, The, Seymour, Conn. Metal alloys. 173,480; Sept. 25; Serial No. 175,955; published June 12, 1923.
Seymour Manufacturing Company, The, Seymour, Conn. Metals. 173,481; Sept. 25; Serial No. 175,953; published June 19, 1923.
Shamrock Overall Mfg. Co., Louisville, Ky. Overalls. 173,327; Sept. 25; Serial No. 171,710; published June 26, 1923.
Sheaffer, W. A., Pen Company, Fort Madison, Iowa. Fountain pens. 173,423; Sept. 25; Serial No. 157,185; published June 26, 1923.
Shenandoah Abattoir Co., Shenandoah, Pa. Smoked hams and bacons, cooked ham, lard, etc. 173,538; Sept. 25.
Shoninger-Honshelmer Manufacturing Co., Chicago, Ill. Children's cloaks and capes. 173,341; Sept. 25; Serial No. 171,993; published July 3, 1923.
Simon, Franklin & Co. Inc., New York, N. Y. Men's, boys,' women's and girls' furnishings, undergarments, and clothing. 173,348; Sept. 25; Serial No. 170,431; published June 26, 1923.
Sinclair Refining Company, Chicago, Ill. Oils made from petroleum. 173,469; Sept. 25; Serial No. 180,503; published June 19, 1923.
Slyt Edge Company, Inc., New York, N. Y. Ladies' and misses' hats. 173,558; Sept. 25.
Smith & Hotsess, El Dorado, Kans. Bread. 173,499; Sept. 25; Serial No. 175,682; published June 19, 1923.
Smith, J. Allen, & Co., Knoxville, Tenn. Self-rising flour. 173,491; Sept. 25; Serial No. 175,527; published June 19, 1923.
Sommer & Runge, Berlin, Germany. Laboratory apparatus for investigating oils and fats, parts of such apparatus, consistency meters, etc. 173,424; Sept. 25; Serial No. 157,336; published June 26, 1923.
South Bend Wholesale Grocery Company, South Bend, Ind. Canned corn, peas, beans, succotash, etc. 175,506; Sept. 25; Serial No. 175,814; published June 19, 1923.
Spangler Candy Co., Bryan, Ohio. Candy. 173,507; Sept. 25; Serial No. 175,815; published June 26, 1923.
Stain-Off Company. (See Foote, J. Harvey.)
Standard Drug Company, Los Angeles, Calif. Preparation used in the treatment of kidney and bladder diseases, etc. 173,470; Sept. 25; Serial No. 176,289; published June 19, 1923.
Standard Medical Society, Inc., The, Baltimore, Md. Tablets for colds, coughs, la grippe, headache, and neuralgia. 173,432; Sept. 25; Serial No. 166,326; published June 26, 1923.
Standard Oil Company (Incorporated in New Jersey), Bayonne, N. J. Transformer oil. 173,403; Sept. 25; Serial No. 175,747; published June 26, 1923.
Standard Oiled Clothing Co., New York, N. Y. Raincoats and rain articles, etc. 173,453; Sept. 25; Serial No. 173,733; published June 26, 1923.
Standard Paper Manufacturing Co., Richmond, Va. Bond paper. 173,537; Sept. 25.
Sternlop, Axel U., Worcester, Mass. Cold cream. 173,428; Sept. 25; Serial No. 162,775; published June 26, 1923.
Stickles, L. D., Shoe Co., The, Red Wing, Miss. Shoes. 173,319; Sept. 25; Serial No. 173,449; published June 26, 1923.
Stonecutter Mills Company, Spindale, N. C. Dress ginghams in the piece. 173,532; Sept. 25.
Sultenfuss, George M., doing business as G. M. Sultenfuss & Co., Los Angeles, Calif. Table salt 173,546; Sept. 25.
Symons Brothers and Company, Saginaw, Mich. Clothing. 173,580; Sept. 25.
Telltale Hosiery Co. (See Custer, John A.)
Texas Star Flour Mills, Galveston, Tex. Wheat flour. 173,545; Sept. 25.
Theodorou, Denis, doing business as Denis Theodorou Hemorrhoidol Co., Bridgeport, Conn. Remedies for hemorrhoids and piles. 173,524; Sept. 25.
Thompson, James, & Co., New York, N. Y. Netted or wide-mesh fabrics. 173,365; Sept. 25; Serial No. 179,631; published July 3, 1923.
Thornley and Booth Limited, Hyde, England. Socks for boots and shoes. 173,437; Sept. 25; Serial No. 174,643; published June 19, 1923.
United Fig & Date Company, The, Chicago, Ill. Brazil nuts in their raw state. 173,378; Sept. 25; Serial No. 176,298; published July 3, 1923.
United States Rubber Company, New Brunswick, N. J., and New York, N. Y. Coats. 173,495; Sept. 25; Serial No. 175,580; published June 19, 1923.
Uswald, Harry, Brooklyn, N. Y. Coats, wraps, capes, and neck pieces. 173,418; Sept. 25; Serial No. 155,280; published June 19, 1923.
Uswald, Harry, Brooklyn, N. Y. Fur coats, wraps, capes, and neck pieces. 173,419; Sept. 25; Serial No. 155,281; published June 19, 1923.
Van Dyk, James, Co., New York, N. Y. Dairy and food products. 173,554; Sept. 25.
Van Erp, Arnold, Oakland, Calif. Horse-radish and mustard, jellies, jams, etc. 173,322; Sept. 25; Serial No. 173,154; published June 26, 1923.
Vaughn Grocery Company, Winston-Salem, N. C. Coffee. 173,382; Sept. 25; Serial No. 174,948; published July 3, 1923.
Vermont Baking Company, White River Junction, Vt. Bread. 173,539; Sept. 25.
Virden Packing Company, San Francisco, Calif. Canned tomatoes. 173,497; Sept. 25; Serial No. 175,633; published June 19, 1923.
Vita Products Company. (See Ely, Mark C.)
Vittucci, John, Company, Seattle, Wash. Olive oil. 173,588; Sept. 25.
Voss & Stern, New York, N. Y. Cotton piece goods containing silk stripe. 173,355; Sept. 25; Serial No. 160,318; published June 26, 1923.
Voss & Stern, New York, N. Y. Cotton piece goods. 173,356; Sept. 25; Serial No. 160,312; published June 26, 1923.
Walther Manufacturing Co., Philadelphia, Pa. Worsted, woolen, worsted and cotton, etc., piece goods. 173,362; Sept. 25; Serial No. 179,902; published July 3, 1923.
Walther Manufacturing Co., Philadelphia, Pa. Worsted, woolen, worsted and cotton, etc., piece goods. 173,368; Sept. 25; Serial No. 179,569; published July 3, 1923.
Watertown Table-Slide Company, Watertown, Wis. Table slide bars. 173,569; Sept. 25.
Webber Chemical Co. (See Robbins, William G.)
Weisberg, Emily R., doing business as Evol Chemical Company, New York, N. Y. Medicine for the treatment of impotence and frigidity. 173,426; Sept. 25; Serial No. 159,004; published June 26, 1923.
West & Tuell, Bisbee, Ariz. Medicinal chewing gum. 173,527; Sept. 25.
Western Reserve Oil Company, The, Cleveland, Ohio. Lubricating oils and greases. 173,456; Sept. 25; Serial No. 178,366; published June 19, 1923.
Whitman, Clarence, & Son, Inc., Katonah and New York, N. Y. Printed and piece-dyed silk and cotton and cotton fabrics. 173,411; Sept. 25; Serial No. 177,713; published June 26, 1923.
Wile, Julius, Sons, & Co., New York, N. Y. Tooth paste, cold cream, talcum powder, and perfume. 173,509; Sept. 25; Serial No. 175,828; published June 26, 1923.
Wilkins, E. J., Co., Gloversville, N. Y. Coin purses, pocketbooks, and bags, roll-ups, etc. 173,402; Sept. 25; Serial No. 175,448; published June 19, 1923.
Willamette Valley Canneries, Inc., Portland, Oreg. Canned fruits and vegetables. 173,510; Sept. 25.
Williams, J. B., Company, The, Glastonbury, Conn. Cleansing and polishing powder. 173,547; Sept. 25.
Wills, George, and Sons, Ltd., London, England, and San Francisco, Calif. Turpentine substitute. 173,429; Sept. 25; Serial No. 163,160; published June 26, 1923.
Wilson, John M., doing business as Meridian Grain & Elevator Company, Meridian, Miss. Horse and mule feed, ox, hog, scratch, and dairy feed. 173,492; Sept. 25; Serial No. 175,536; published June 19, 1923.

Wilton Manufacturing Company, Inc., New York, N. Y. Cotton piece goods. 173,361; Sept. 25; Serial No. 180,039; published July 3, 1923.
Wittenberg, Armin H., doing business as Mission Hosiery Mills, Los Angeles, Calif. Hosiery, sweaters, and knitted underwear. 173,372; Sept. 25; Serial No. 178,321; published July 10, 1923.
Wood, T. W., & Sons, Richmond, Va. Scratch food for fowl. 173,336; Sept. 25; Serial No. 167,792; published Mar. 20, 1923.
Wortendyke Manufacturing Co., Richmond, Va. Toilet paper and paper towels. 173,467; Sept. 25; Serial No. 179,911; published June 19, 1923.
Yardley & Co., Limited, London, England. Bath salt tablets, toilet water, hair lotion, complexion cream, etc. 173,443; Sept. 25; Serial No. 174,376; published June 26, 1923.
Yeast-O-Mint Co., The. (See Cobb, Richard H.)
Zielinski, Alexander, Trenton, N. J. Salves. 173,483; Sept. 25; Serial No. 175,905; published June 19, 1923.

ALPHABETICAL LIST OF REGISTRANTS OF LABELS.

American Guernsey Cattle Club, The, Peterboro, N. H. Golden Guernsey Products. For Milk, Cream, Butter, and Cheese. 26,404; Sept. 25.
Bidwell, Marie J., doing business as Haironna Co., New York, N. Y. Save Your Hair Haironna Don't Get Bald. For a Hair Tonic. 26,405; Sept. 25.
Cracker Jack Co., Sumter, S. C. Cracker Jack. For Carbonated Beverages. 26,406; Sept. 25.
Farley Harvey Company, The, Boston, Mass. Tissue. For Dry Goods—Namely, Cotton and Linen Cloth. 26,407; Sept. 25.
Fleischer, Joseph, doing business as Fleischer & Company, New York, N. Y. Mozel. For Silk Opera and Sport Hair Nets. 26,408; Sept. 25.
Grin Co., Inc., The, Los Angeles, Calif. Grin. For Auto Polish. 26,409; Sept. 25.
Haironna Co. (See Bidwell, Marie J.)
Hoyt's Consumers Cracker & Biscuit Corporation, also doing business as Hoyt's Cracker & Biscuit Corporation, Los Angeles, Calif. Glacier Kaps. For Fancy Cakes. 26,410; Sept. 25.
Ideal Cocoa & Chocolate Co., Lititz, Pa., and New York, N. Y. Mr. Porker. For Cake Chocolate. 26,414; Sept. 25.
Ideal Cocoa & Chocolate Co., Lititz, Pa., and New York, N. Y. Peter Squirrel. For Cake Chocolate. 26,415; Sept. 25.
Ideal Cocoa & Chocolate Co., Lititz, Pa., and New York, N. Y. Prince. For Cake Chocolate. 26,416; Sept. 25.
Ideal Cocoa & Chocolate Co., Lititz, Pa., and New York, N. Y. Miss Kitty. For Cake Chocolate. 26,417; Sept. 25.
Ideal Cocoa & Chocolate Co., Lititz, Pa., and New York, N. Y. Rajah. For Cake Chocolate. 26,418; Sept. 25.
Ideal Cocoa & Chocolate Co., Lititz, Pa., and New York, N. Y. Buster Bear. For Cake Chocolate. 26,419; Sept. 25.
Ideal Cocoa & Chocolate Co., Lititz, Pa., and New York, N. Y. Miss Bunny. For Cake Chocolate. 26,420; Sept. 25.
Ideal Cocoa & Chocolate Co., Lititz, Pa., and New York, N. Y. The Chocolate Rooster. For Cake Chocolate. 26,421; Sept. 25.
Ideal Cocoa & Chocolate Co., Lititz, Pa., and New York, N. Y. Sweetie. For Cake Chocolate. 26,422; Sept. 25.
Ideal Cocoa & Chocolate Co., Lititz, Pa., and New York, N. Y. The Chocolate Soldier. For Cake Chocolate. 26,423; Sept. 25.
International Shoe Company, St. Louis, Mo. Star Brand Shoes are Better. For Shoes. 26,424; Sept. 25.
International Shoe Company, St. Louis, Mo. Your Money Back and a New Pair of Shoes Free. For Shoes. 26,425; Sept. 25.
King, Orsemus E., Mechanicsburg, Ohio. Stork Band For Cigars. For Cigars. 26,411; Sept. 25.
Krank, Alfred J., St. Paul, Minn. Creme Ventura. For Vanishing Cream. 26,412; Sept. 25.
Krank, Alfred J., St. Paul, Minn. Skin-Health. For Toilet Cream. 26,413; Sept. 25.
Maxime Drug Co. (See Robins, Max.)
Mazziotti Corporation, New York, N. Y. Antikocchibacterio. For a Preparation Used in Treatment for Tuberculosis. 26,426; Sept. 25.
Organic Preparations Co., Inc., Brooklyn, N. Y. Phosphorcin. For a Tonic for the Nervous System. 26,427; Sept. 25.
Organic Preparations Co., Inc., Brooklyn, N. Y. Phosphorcin. For a Tonic for the Nervous System. 26,428; Sept. 25.
Paristyle Novelty Co., Inc., New York, N. Y. Paristyle. For Hair Nets. 26,429; Sept. 25.
Paristyle Novelty Co., Inc., New York, N. Y. Ionia. For Hair Nets. 26,430; Sept. 25.
Robins, Max, doing business as Maxime Drug Co., Chicago, Ill. Neo. For a Preparation for Destroying Bugs. 26,431; Sept. 25.
Samstag & Hilder Bros., Inc., New York, N. Y. The Invisible Touch That Means So Much. For Hair Nets. 26,432; Sept. 25.
Vogel Sons, S., doing business as Vogel Brothers, Hartford, Conn. Connecticut Valley Brand. For Canned Tomatoes. 26,433; Sept. 25.
Ward Baking Company, New York, N. Y. Ward's De Luxe Layer Cakes. For Cake. 26,434; Sept. 25.
Wenddland, William, New York, N. Y. Oriental Mystic Game. For Games. 26,435; Sept. 25.
Williams, A. G., Homemade Candy Co., Inc., New Orleans, La. Heavenly Hash. For Candy. 26,436; Sept. 25.

ALPHABETICAL LIST OF REGISTRANTS OF PRINTS.

American Bottlers of Carbonated Beverages, Washington, D. C. American Bottlers of Carbonated Beverages. For Beverages. 6,894; Sept. 25.
Cream of Wheat Co., Minneapolis, Minn. Right Over The Home Plate. For Wheat Breakfast Food. 6,895; Sept. 25.
Cream of Wheat Co., Minneapolis, Minn. Serious business, now, for little brains. For Wheat Breakfast Food. 6,896; Sept. 25.
Dynamo Electric Works, Los Angeles, Calif. Dynamo Electric Works Guaranteed Quality + Service. For Dynamos. 6,897; Sept. 25.
Hinds, A. S., Co., Portland, Me. The Cream for Every Home. For Honey and Almond Cream and Cre-Mis Face Powder. 6,898; Sept. 25.
Krank, Alfred J., St. Paul, Minn. Krank's. For Toilet Preparations. 6,899; Sept. 25.
Larus & Brother Company, Richmond, Va. Edgeworth Extra High Grade Tobacco. For Tobacco. 6,900; Sept. 25.
O'Neil Oil & Paint Company, Milwaukee, Wis. O'Zol (Benzol Motor Gasoline). For Gasoline. 6,901; Setp. 25.
Real Silk Hosiery Mills, Indianapolis, Ind. The Expensive Way. For Hosiery. 6,902; Sept. 25.
Real Silk Hosiery Mills, Indianapolis, Ind. The Economical Way. For Hosiery. 6,903; Sept. 25.
Trail Moc Shoe Company, Saco, Me. Trail-Mocs. For Shoes. 6,904; Sept. 25.

ALPHABETICAL LIST OF TRADE-MARK APPLICANTS.

PUBLISHED FOR OPPOSITION.

[Act of Feb. 20, 1905, Sec. 6, as amended Mar. 2, 1907.]

Abraham & Straus, Inc., New York, N. Y. Coffee. 182,281; Sept. 25.
Ac Spark Plug Company, Flint, Mich. Speedometers. 163,493; Sept. 25.
Albers Bros. Milling Co., Seattle, Wash. Rolled oats, split peas, hominy, hominy grits, etc. 175,753; Sept. 25.
American Products Company, The. (See Mills Brothers Company.)
Anaconda Copper Mining Company, New York, N. Y. Cast, drawn, rolled, extruded, pressed, and machined nonferrous metals and alloys and ingots, castings, etc. 177,208; Sept. 25.
Anderson, Chas., Wasco, Calif. Fresh grapes. 182,898; Sept. 25.
Anglo-American Mill Company. (See Sandefur, Charles O., assignor.)
Bahnsen, C., & Co., Inc., New York, N. Y. Bolivia coatings in the piece. 172,461–2; Sept. 25.
Balbo, Frank C., Oakland, Calif. Cakes—namely, doughnuts filled with jelly. 146,063; Sept. 25.
Bankers Discount Association, Astoria, Oreg. Canned salmon. 180,830; Sept. 25.
Barr Manufacturing Corporation, Tyrone, Pa. Perfumes, face powder, toilet water, cold cream, etc. 176,107; Sept. 25.
Barrington Packing Co., Barrington, Ill. Bacon. 168,749; Sept. 25.
Bartlett Corporation, The, Philadelphia, Pa. Castor oil. 181,811; Sept. 25.
Beaux-Arts Candy Company, Chicago, Ill. Candy. 181,002–3; Sept. 25.
Beaver, L. S., Vinita, Okla. Hair tonic. 178,374; Sept. 25.
Bell Syndicate, Inc., The, New York, N. Y. Series of cartoons. 181,166; Sept. 25.
Bill, Bell & Co., Incorporated, Ogdensburg, N. Y. Wheat flour. 179,178; Sept. 25.
Bittersweet Products Corporation, Yonkers, N. Y. Ice cream. 180,579; Sept. 25.
Blum & Bergerson, Houma, La. Dried shrimp. 181,167; Sept. 25.
Bowyer, Ambrose, Chicago, Ill. Publications to be published at irregular intervals. 181,669; Sept. 25.
Brune, Pottberg & Co., New York, N. Y. Cotton piece goods. 183,188; Sept. 25.
Brune, Pottberg & Co., New York, N. Y. Cotton piece goods. 183,191–2; Sept. 25.
Bunte Brothers, Chicago, Ill. Chocolates. 160,385; Sept. 25.
Burton Coffee Company, Knoxville, Tenn. Package and canned coffee. 181,554; Sept. 25.
Burton Coffee Company, Knoxville, Tenn. Package and canned coffee. 181,556; Sept. 25.
Cabrelli, Maria, and Baldassare Mirabile, New York, N. Y. Cigars. 182,293; Sept. 25.
California Preserving Company, Los Angeles, Calif. Canned fruit and vegetables, jams, jellies, etc. 180,518; Sept. 25.
Carl Company, The, Schenectady, N. Y. Cotton piece goods, linen piece goods, and toweling. 181,813; Sept. 25.
Carpenter-Dodge Company, Arlington, Mass. Nails. 184,065; Sept. 25.
Cauchois Coffee Company, New York, N. Y. Coffee. 181,011; Sept. 25.
Capital Candy & Cracker Company, Sacramento, Calif. Candy. 163,969; Sept. 25.
Caplan, Joseph, doing business as Laforé Perfumery Co., New York, N. Y. Lemon cream, brilliantine, freckle cream, rouge, etc. 175,131; Sept. 25.
Ce-Wede Laboratory. (See National Physicians Supply Company.)
Champlain Valley Fruit Co., Inc., Burlington, Vt. Mayonnaise dressing, olive mayonnaise, peanut butter, etc. 178,713; Sept. 25.
Cohn Goldwater Company, Los Angeles, Calif. Piece goods of wool, cotton, silk, linen, and mixtures. 182,567; Sept. 25.
Colby Steel and Engineering Co., Seattle, Wash. Cranes. 157,759; Sept. 25.
Colonial Packing Co., Los Angeles, Calif. Canned chili tomato sauce. 180,965; Sept. 25.
Columbia Products Company. (See Thoma, Otto.)
Consumers Biscuit Company, New Orleans, La. Candy. 176,164; Sept. 25.
Continental Wood Screw Co., New Bedford, Mass. Wood screws. 184,280; Sept. 25.
Cowles, George W., doing business as Cowles Canning Company, Mound City, Ill., and Bardwell, Ky. Canned tomatoes. 180,752; Sept. 25.

Creed, W. S., doing business as W. S. Creed Company, Roanoke, Va. Alimentary products and pastes, spaghetti, macaroni, etc. 178,494; Sept. 25.
Curtis, A. L., Atlanta, Ga. Internal and injective remedies for gonorrhea. 181,981; Sept. 25.
Daarnhouwer & Co., Inc., New York, N. Y. Cocoa beans and butter, coffees, spices, and desiccated coconut. 165,487; Sept. 25.
Davis & Lawrence Co., New York, N. Y. Toilet and vanishing creams. 181,821; Sept. 25.
De Cameron, Inc., New York, N. Y. Perfumes. 178,963; Sept. 25.
De Cameron Inc., New York, N. Y. Perfumes. 178,965; Sept. 25.
De Cameron Inc., New York, N. Y. Perfumes. 178,968; Sept. 25.
Del Norte Commercial Co. (See Hume, John S.)
Diamond Bros., New York, N. Y. Hosiery. 183,366; Sept. 25.
Diamond, David, Lincoln, Nebr. Wheat flour. 180,967; Sept. 25.
Diederich, Henry, Brooklyn and Valley Stream, N. Y. Rusk. 180,110; Sept. 25.
Diffenbacher, Mark M., Long Beach, Calif. Candles. 158,113; Sept. 25.
Doptoglou Bros. of New York, New York, N. Y. Cotton piece goods. 177,079; Sept. 25.
Doubrava & Morris, doing business as Sun Sipt Apiaries, Los Angeles, Calif. Jellies. 172,588; Sept. 25.
Duffy-Mott Company, Inc., New York, N. Y. Vinegars. 165,068; Sept. 25.
Duplan Silk Corporation, New York, N. Y. Silk piece goods. 183,262; Sept. 25.
Empire Silk Company, Wilmington, Del., and New York, N. Y. Silk piece goods. 181,177; Sept. 25.
Enterprise Candy Company. (See Harris Woodson Co. Inc.)
Ernst, Victor C., Cleveland, Ohio. Cameras. 181,480; Sept. 25.
Eustis Packing Co., The. (See Oyler, Chas. C., & Son.)
Farley Harvey Company, The, Boston, Mass. Dry goods. 183,205; Sept. 25.
Fashion Hat Company, New York, N. Y. Ladies', misses', and children's hats and caps. 182,373; Sept. 25.
Fenno, Herbert L., doing business as Holdems Company, Boston, Mass. Fastening devices. 181,440; Sept. 25.
Finn, J. A., & Company, New York, N. Y. Linen piece goods. 183,207; Sept. 25.
Firth Carpet Company, The, New York and Firthcliffe, N. Y. Chenille rugs. 183,142; Sept. 25.
Fischer-Jelenko Inc., New York, N. Y. Bath and lounging robes, dressing gowns, smoking jackets, negligees. 183,143; Sept. 25.
Flash Chemical Company, Cambridge, Mass. Soap, cleansing cream. 182,409; Sept. 25.
Florasynth Laboratories, New York and Unionport, N. Y. Flavoring extract for foods. 179,191; Sept. 25.
Fordyce & Jackson, Bedford, Ind. Chemical preparation for application to windshields. 180,756; Sept. 25.
Fortune Products Company, Chicago, Ill. Macaroni. 181,884; Sept. 25.
Free & Klinck, Inc., Brooklyn, N. Y. Canned fruits and vegetables. 181,019; Sept. 25.
Frontier Elevator & Mill Co., Buffalo, N. Y. Wheat flour. 180,276; Sept. 25.
Gates Auto Laundry and Supply Company, St. Louis, Mo. Air-pressure systems for washing automobiles or other vehicles and cleaning the interior thereof and parts of said systems. 179,144; Sept. 25.
Genant, William A. Syracuse, N. Y. Canned shrimp. 160,409; Sept. 25.
Ger-Le Laboratories, Chicago, Ill. Toilet articles. 176,403; Sept. 25.
Gile & Jenks, Salem, Oreg. Dried fruits. 180,858; Sept. 25.
Gilliam Manufacturing Company, The, Canton, Ohio. Roller bearings. 173,633; Sept. 25.
Gold Buckle Association, East Highlands, Calif. Citrous fruits. 173,643; Sept. 25.
Goodbar, Octavia W., doing business as Octavia Walton, Boston, Mass. Greeting cards, sheets, and folders. 166,595; Sept. 25.
Gorham Manufacturing Company, Providence, R. I. Pipes, cigar and cigarette holders, cases, boxes, etc. 152,246; Sept. 25.
Gotham Corporation, The, New York, N. Y. Preparation for the prevention and treatment of obesity. 181,887; Sept. 25.
Grayland Cranberry Growers, Grayland, Wash. Fresh cranberries. 171,316; Sept. 25.

PUBLISHED FOR OPPOSITION.

[Act of Feb. 20, 1905, Sec. 6, as amended Mar. 2, 1907.]

Greco, Felix V., doing business as The Hairvita Hair Tonic Co., Philadelphia, Pa. Liquid hair tonic. 182,051; Sept. 25.
Gruber Yarn Corporation, New York, N. Y. Threads and yarns. 181,744; Sept. 25.
H. & A. Manufacturing Company, The, Cleveland, Ohio. Eyeshades or visors. 182,052; Sept. 25.
Hairvita Hair Tonic Co. (See Greco, Felix V.)
Harris Woodson Co. Inc., also doing business as Enterprise Candy Company, Lynchburg, Va. Candy. 180,216; Sept. 25.
Hilborn, Jerome, New York, N. Y. Sweaters, sweater coats, jackets, vests, etc. 181,565; Sept. 25.
Hite Brothers, Penn, Ind. Pancake and buckwheat flour. 181,342; Sept. 25.
Holdems Company. (See Fenno, Herbert L.)
Holt, Josephine L., Portland, Oreg. Corsets. 138,091; Sept. 25.
Hopper, Thompson C., Gest, Ky. Preparation for use as a breakfast cereal and in cooked foods. 180,863; Sept. 25.
Hoy, T. P., Inc., New York, N. Y. Corsets. 182,307; Sept. 25.
Hume, John S., doing business as Del Norte Commercial Co., Seattle, Wash. Canned fish, fruits, and vegetables. 179,941; Sept. 25.
Humphrey Elevator Co., Faribault, Minn. Elevators. 182,815; Sept. 25.
Illinois Canning Company, The, Hoopeston, Ill. Canned vegetables. 181,894; Sept. 25.
Illinois Canning Company, The, Hoopeston, Ill. Canned corn. 181,895; Sept. 25.
Imperial Distributing Co., Los Angeles, Calif. Cantaloupes, fresh fruits and vegetables. 164,916; Sept. 25.
Indian Village Bakery, Detroit, Mich. Bread. 156,579; Sept. 25.
Indiaroot Company, Chicago, Ill. Hair tonic. 181,896; Sept. 25.
Industrial Engineering Research Co., New York, N. Y. Adhesive printed labels. 181,076; Sept. 25.
International Salt Company, Inc., New York, N. Y. Table salt. 181,947–8; Sept. 25.
International Worsted Mills, Methuen, Mass., and New York, N. Y. Textile fabrics. 183,214; Sept. 25.
Irwin-Harrisons & Crosfield, Inc., San Francisco, Calif. Canned sardines. 181,567; Sept. 25.
Iskowitz, Charles, New York, N. Y. Hosiery. 183,525; Sept. 25.
Jameson-Hevener Company, St. Paul, Minn. Poultry food. 176,346; Sept. 25.
Jessen, J. Carl, Hollywood, Calif. Motion pictures reproduced in copies. 181,950; Sept. 25.
Johnson Educator Food Company, Cambridge, Mass. Cookies, crackers, cakes, and biscuits. 141,577; Sept. 25.
Johnson Educator Food Company, Cambridge, Mass. Cookies, crackers, cakes, and biscuits. 141,580; Sept. 25.
Johnson Educator Food Company, Cambridge, Mass. Cookies, crackers, cakes, and biscuits. 141,583; Sept. 25.
Johnson Educator Food Company, Cambridge, Mass. Cookies, crackers, cakes, and biscuits. 141,586–7; Sept. 25.
Johnson, S. C., & Son, Racine, Wis. Stains, paints, varnish, etc. 182,100; Sept. 25.
Joliet Flour Mills Company, Joliet, Mont. Wheat flour. 173,085; Sept. 25.
Jones, F. L., Co., Bangor, Me. Crackers and biscuit. 117,980; Sept. 25.
Kahn's, E., Sons Company, The, Cincinnati, Ohio. Sausage, bacon, lard, lard compound. 182,153; Sept. 25.
Kaupke Coffee Company, Cedar Rapids, Iowa. Spices, coffee, etc. 163,337; Sept. 25.
Killfeather, Gertrude, Spokane, Wash. Young girls' dresses. 183,157; Sept. 25.
Klein, Adolf J., doing business as Sheik Toilet Products Company, Chicago, Ill. Hair dressing. 177,444; Sept. 25.
Knopf, Alfred A., Inc., New York, N. Y. Completely-printed books. 170,653; Sept. 25.
Koppe, Edgar J., doing business as The Tex-Alle Company, Los Angeles, Calif. Tamales. 179,154; Sept. 25.
Laforé Perfumery Co. (See Caplan, Joseph.)
Les Perfums de Rosine. (See Poiret, Paul.)
Levey Printing Company, Indianapolis, Ind. Wall calendars, almanacs, printed books, etc. 173,506; Sept. 25.
Levey Printing Company, Indianapolis, Ind. Wall calendars, almanacs, printed books, etc. 173,509; Sept. 25.
Lewis, Roy B., doing business as Roy B. Lewis Co., Duluth, Minn. Hosiery. 183,306; Sept. 25.
Liberty Macaroni Manufacturing Co., St. Louis, Mo. Macaroni, spaghetti, noodles, etc. 176,745; Sept. 25.
Linahan, Charles, Troy, Mo. Nonalcoholic preparation for relieving dyspepsia, etc. 181,900; Sept. 25.
London, M. A., doing business as National Remedies Company, San Francisco, Calif. Lotions and other pharmaceutical preparations. 164,441; Sept. 25.
Long Island Packing Co. Inc., Brooklyn, N. Y. Honey. 180,709; Sept. 25.

Louisville Milling Co., Minneapolis, Minn. Wheat flour. 180,288–9; Sept. 25.
Lovering, Reuben W., doing business as Lovering Candy Company, St. Paul, Minn. Fudge bars or rolls. 181,857; Sept. 25.
Luden, Wm. H. Inc., Reading, Pa. Candy. 180,542; Sept. 25.
McLane Silk Company, Turners Falls, Mass. Silk and satin piece goods. 183,221; Sept. 25.
Macy, R. H., & Co., Inc., New York, N. Y. Artificial silk in the piece. 182,314; Sept. 25.
Maddock, Arthur G., Duarte, Calif. Fresh citrous fruits. 178,854; Sept. 25.
Maltana Company, The, Welland, Ontario, Canada. Wheat and pancake flour, flour for making pastries, etc. 164,253; Sept. 25.
Mama Cookie Bakery, Chicago, Ill. Cookies. 181,758; Sept. 25.
Manganese Bronze and Brass Co. Limited, Westminster, London, England. Metals used in manufacture. 178,051; Sept. 25.
Mannesmannröhren-Werke, Dusseldorf, Germany. Tubes, tube joints, pipes, etc. 163,689; Sept. 25.
Martorelli, Raffaele, New York, N. Y. Fish preserved in oil, canned vegetables, rice, coffee, tea. 168,726; Sept. 25.
Metro Chocolate Co., Inc., The, Brooklyn, N. Y. Milk chocolate fruit and nut roll. 179,050; Sept. 25.
Michael, Leon, & Co., New York, N. Y. Cotton-cloth piece goods. 177,136; Sept. 25.
Michelbach, Frank, Alexandria, Va. Rug racks. 177,613; Sept. 25.
Michele Ajello Co. Inc., Brooklyn, N. Y. Canned olive oil, fruits, and vegetables. 179,127; Sept. 25.
Mills Brothers Company, The, doing business as The American Products Company, Cincinnati, Ohio. Face powder, rouge, sachet powder, talcum powder, etc. 175,316; Sept. 25.
Mills Brothers Company, The, doing business as The American Products Company, Cincinnati, Ohio. Perfume, toilet water, talcum powder, cold cream, etc. 175,318; Sept. 25.
Mitchell, P. R., Co., The, New York, N. Y. Ticking. 178931; Sept. 25.
Modern Confectioner Publishing Company, Chicago, Ill. Monthly publication. 181,957; Sept. 25.
Moss, Edgar A., Marion, Ind. Heading for a humor column syndicated to both weekly and daily newspapers, etc. 182,602; Sept. 25.
Naamlooze Vennootschap Industrieele Maatschappij v/h Noury & Van Der Lande, Deventer, Netherlands. Flour, meal, farina, etc. 157,846; Sept. 25.
National Biscuit Company, Jersey City, N. J., and New York, N. Y. Biscuits, crackers, cookies, and cakes. 181,644; Sept. 25.
National Physicians Supply Company, The, doing business as Ce-Wede Laboratory, Cincinnati, Ohio. Ointment for lumbago, gout, eczema, etc. 162,846; Sept. 25.
National Remedies Company. (See London, M. A.)
Nature's Own Food Co., Madison, Wis. Wheat and rye flour, corn meal, and bread. 158,090; Sept. 25.
Nickel & Drummey, Chicago, Ill. Butter. 178,624; Sept. 25.
Nickel Plate Elevator Company, The, Cleveland, Ohio. Poultry and stock feed. 181,086; Sept. 25.
No-Liquid Door Check Company, The, Columbus, Ohio. Doorchecks. 183,225; Sept. 25.
Northern Jobbing Company, Chicago, Ill. Wheat flour, oleomargarine, tapioca, etc. 171,034; Sept. 25.
Notaseme Hosiery Co., Philadelphia, Pa. Hosiery. 173,104; Sept. 25.
Nottingham Lace Works, Jersey City, N. J., and New York, N. Y. Laces, handkerchiefs, embroideries, etc. 179,317; Sept. 25.
Olympic Club, The, San Francisco, Calif. Periodicals issued monthly. 181,206; Sept. 25.
Oriole Shirt Manufacturing Corporation, New York, N. Y. Men's dress and negligee shirts. 183,160; Sept. 25.
Oxo Limited, London, England. Soups, and preparations for making. 157,898; Sept. 25.
Oyler, Chas. C., & Son, Cincinnati, Ohio, doing business as The Eustis Packing Co., Eustis, Fla. Fresh citrous fruits. 179,482; Sept. 25.
Pachner, I., & Son, Inc., New York, N. Y. Articles of ladies' apparel. 183,342; Sept. 25.
Pacific Coast Biscuit Company, Seattle, Wash. Candy. 164,189; Sept. 25.
Pacific Foundry Company, San Francisco, Calif. Metal castings. 183,850; Sept. 25.
Page, Joseph G., doing business as J. G. Page Chemical Co., Buffalo, N. Y. Preparation for dandruff, eczema, and falling hair. 180,294; Sept. 25.
Paramount Specialty Co. (See Reiss, Fred.)
Parfumerie Lubin. (See Prot, Paul, & Cie.)
Park & Tilford, New York, N. Y. Candies and chocolates. 182,438; Sept. 25.
Parks, Joseph W., doing business as Wopsy Poultry Yards, Altoona, Pa. Live poultry and eggs. 166,092; Sept. 25.

PUBLISHED FOR OPPOSITION.

[Act of Feb. 20, 1905, Sec. 6, as amended Mar. 2, 1907.]

Parrott, Herbert G., Chicago, Ill. Metal polish. 180,490; Sept. 25.
Penton Publishing Company, The, Cleveland, Ohio. Monthly marine periodical. 182,058; Sept. 25.
Peters Brothers Rubber Co., Inc., New York, N. Y. Backing or reenforcing cotton cloth and white shoe cloth in the piece. 167,098; Sept. 25.
Petrocelli, Joseph, & Co., Inc., New York, N. Y. Olive oil. 169,181; Sept. 25.
Plunkett-Jarrell Grocer Co., Little Rock, Ark. Coffee. 180,888; Sept. 25.
Poiret, Paul, doing business as Les Parfums de Rosine, Paris, France. Perfumes and toilet waters. 178,467–8; Sept. 25.
Pokodot Cereal Company, Fargo, N. Dak. Pancake flour. 181,310; Sept. 25.
Popsicle Corporation, The, New York, N. Y. Lollypops. 181,614; Sept. 25.
Pride, W. H., & Co., Bellingham, Wash. Canned vegetables, and fruits. 182,672; Sept. 25.
Prot, Paul, & Cie., doing business as Parfumerie Lubin, Paris, France. Perfumes and toilet waters. 170,081; Sept. 25.
Quaker Oats Company, The, Chicago, Ill. Rolled wheat and a mixture of wheat and bran flour. 170,215; Sept. 25.
Quaker Oats Company, The, Chicago, Ill. Rolled oats, corn meal, wheat flour, rye flour, etc. 181,647; Sept. 25.
Raffetto, G. B., Inc., New York, N. Y. Oranges preserved and stuffed with other fruit. 181,412; Sept. 25.
Raybestos Company, The, Bridgeport, Conn. Rivets. 182,549; Sept. 25.
Reckitts (U. S. A.), Ltd., New York, N. Y., and New Brunswick, N. J. Laundry blue. 162,137; Sept. 25.
Reid, Murdoch & Co., Chicago, Ill. Canned fish. 167,828; Sept. 25.
Reiss, Fred, doing business as Paramount Specialty Co., Louisville, Ky. Cleanser for artificial teeth. 180,891; Sept. 25.
Remillet Co., The, New York, N. Y. Talcum powder. 181,866; Sept. 25.
Reynolds, Wm. T., & Co., Inc., Poughkeepsie, N. Y. Coffee. 178,287; Sept. 25.
Ritter Hosiery Company, Fleetwood, Pa. Hosiery. 183,669; Sept. 25.
Robbins, Samuel D., Boston, Mass. Publication on the correction of stammering. 175,568; Sept. 25.
Rodriguez, Salvador, New York, N. Y. Cigars. 182,262; Sept. 25.
Rodriguez, Salvador, New York, N. Y. Cigars. 182,264–5; Sept. 25.
Röhm & Haas Aktiengesellschaft, Darmstadt, Germany. Disinfectants, dyes, emulsion gelatin, etc. 165,888; Sept. 25.
Rosenthal, A. S., Company, Inc., New York, N. Y. Silk and cotton goods and goods containing a mixture of cotton and silk, all in the piece. 182,933; Sept. 25.
S. Y. C. O. Co., Chicago, Ill. Remedy for piles, cold in the chest, sore muscles, and burns. 180,241; Sept. 25.
Sandefur, Charles O., doing business as Sandefur's Cereal Mill, assignor to Anglo-American Mill Company, Owensboro, Ky. Cracked cereal food. 180,298–9; Sept. 25.
Sandefur, Charles O., doing business as Sandefur's Cereal Mill, assignor to Anglo-American Mill Company, Owensboro, Ky. Flour. 180,302–3; Sept. 25.
Sanitary Hair Company. (See Trotsky, Isadore.)
Schor & Roberts, San Francisco, Calif. Food product. 176,695; Sept. 25.
Schweiz Decken- und Tuchfabriken Pfungen-Turbenthal, Zurich, Switzerland. Textile fabrics. 181,571; Sept. 25.
See-Moon & Company, Chicago, Ill. Canned vegetables, and fruits, preserved fruits, etc. 164,271; Sept. 25.
Seidman, Charles, doing business as Charles Seidman & Co., Philadelphia, Pa. Neckties. 183,763; Sept. 25.
Sheik Toilet Products Company. (See Kleis, Adolf J.)
Shotwell Mfg. Co., Chicago, Ill. Pop-corn candy. 181,416; Sept. 25.
Silger Laboratories, Buffalo, N. Y. Preparation for dressing the hair. 181,869; Sept. 25.
Slands Mfg Co., New York, N. Y. Sheepskin coats. 182,636; Sept. 25.
Smith, R. Blackwell, doing business as The Tonsone Co., Petersburg, Va. Preparation for use in treating tonsillitis, sore throat, etc. 179,334; Sept. 25.
Snow & Palmer Co., Bloomington, Ill. Food mixture. 171,107; Sept. 25.
Southwestern Milling Company Inc., The, New York, N. Y. Wheat flour. 181,458–63; Sept. 25.
Star & Crescent Milling Co., Minneapolis, Minn. Semolina. 180,308; Sept. 25.
Stauffer, D. F., Biscuit Co. Inc., York, Pa. Pretzels. 180,903; Sept. 25.
Steelcraft Corporation of America, Cleveland, Ohio. Locks and safes. 179,889; Sept. 25.
Stouffer, Avery M., doing business as Stouffer Products Co., Chicago, Ill. Table sirup. 178,300; Sept. 25.
Street, John F., & Co., Providence, R. I. Cotton yarns. 184,152; Sept. 25.
Sulpho-Naphthol Company, The, Boston, Mass. Tree and plant spray solutions. 181,964; Sept. 25.
Sun Sipt Apiaries. (See Doubrava & Morris.)
Super-Refined Metals Company, Los Angeles, Calif. Bearing metals. 183,420; Sept. 25.
Sussman, Wormser & Co., San Francisco, Calif. Canned fruits. 181,575; Sept. 25.
Sutton & Darbyshire Incorporated, Philadelphia, Pa. Periodical. 182,020; Sept. 25.
Sweet, Wm. S., & Son, Inc., Providence, R. I. Watermelons. 180,507; Sept. 25.
Sweet, Wm. S., & Son, Inc., Providence, R. I. Watermelons. 180,563; Sept. 25.
Switzer, Frederick M., doing business as Switzer's Yellow Jacket Company, St. Louis, Mo. Candles. 168,738; Sept. 25.
Taylor Instrument Companies, Rochester, N. Y. Hygrometers. 163,834; Sept. 25.
Taylor Instrument Companies, Rochester, N. Y. Thermometers. 163,836; Sept. 25.
Taylor Instrument Companies, Rochester, N. Y. Thermostatic temperature-regulating apparatus. 163,837–9; Sept. 25.
Taylor, Thos. P., Co., The, Bridgeport, Conn. Children's waists and underwear. 183,506–7; Sept. 25.
Tex-Alle Company, The. (See Koppe, Edgar J.)
Texas Star Flour Mills, Galveston, Tex. Wheat flour. 180,631; Sept. 25.
Thoma, Otto, doing business as Columbia Products Company, St. Louis, Mo. Malt extract for food purposes. 179,240; Sept. 25.
Thoma & Son Inc., Fairfield, Iowa. Window glass, glare shields of glass. 182,188; Sept. 25.
Thomsen Company, The, Waco, Tex. Shoe dressings. 167,927; Sept. 25.
Thurston, W. Harris, & Co. Inc., New York, N. Y. Cotton piece goods. 183,423; Sept. 25.
Tonsone Co., The. (See Smith, R. Blackwell.)
Trotsky, Isadore, doing business as Sanitary Hair Company, Providence, R. I. Hair nets. 182,452; Sept. 25.
U. S. Sanitary Specialties Corporation, Chicago, Ill. Scrubbing compound. 173,542; Sept. 25.
U. S. Sanitary Specialties Corporation, Chicago, Ill. Soap. 173,545; Sept. 25.
Underwood, Frank K., doing business as Underwood Candy Co., Oskaloosa, Iowa. Candy. 170,959; Sept. 25.
United Piece Dye Works, Lodi, N. J. Dyed, printed, and finished textile fabrics, printed silk, foulards. 177,152; Sept. 25.
United States Products Corporation, San Francisco, Calif. Canned and dried fruits. 166,331; Sept. 25.
United Trimming Co., New York, N. Y. Fringes, braids, tassels, cords. 169,460; Sept. 25.
Universal Motor Company, Oshkosh, Wis. Internal-combustion engines and pumping outfits. 171,144; Sept. 25.
Van Dyk, James, Co., New York, N. Y. Food products. 168,565; Sept. 25.
Van Dyk, James, Co., New York, N. Y. Butter and eggs. 168,566; Sept. 25.
Van Dyk, James, Co., New York, N. Y. Dairy and food products. 172,623; Sept. 25.
Van Dyk, James, Co., New York, N. Y. Coffee substitute. 180,457; Sept. 25.
Vertex Hosiery Mills, Inc., Weissport, Pa. Hosiery. 183,352; Sept. 25.
Walker, A. R., Candy Corporation, Muskegon, Mich. Candy. 179,074; Sept. 25.
Walton Milling Company, Lansing, Mich. Breakfast cereals. 142,369; Sept. 25.
Walton, Octavia. (See Goodbar, Octavia W.)
Washburn-Crosby Company, Minneapolis, Minn. Wheat flour. 181,468; Sept. 25.
Webster, John H., Louisville, Ky. Liniments. 182,081; Sept. 25.
"Weldrite" Company, Incorporated, Long Island City, N. Y. Welding wire and rods. 162,524; Sept. 25.
Whippo Manufacturing Company, Quincy, Mass. Apparatus for beating eggs and like liquids. 182,028; Sept. 25.
Widmaier, William H., Omaha, Nebr. Bread. 175,587; Sept. 25.
Williams, J. B., Company, The, Glastonbury, Conn. Soap. 162,790; Sept. 25.
Williams, J. H., & Co., Brooklyn, N. Y. Clamps, lathe dogs, vises, wrenches. 160,220; Sept. 25.
Wolverine Brass Works, Grand Rapids, Mich. Sink bibs, sink cocks, faucets, bath cocks, etc. 182,783; Sept. 25.
Wonder-Knit Mills, Union Hill, N. J. Sweaters, bathing suits, mufflers, etc. 183,810; Sept. 25.

PUBLISHED FOR OPPOSITION.

[Act of Feb. 20, 1905, Sec. 6, as amended Mar. 2, 1907.]

Wonderlay Milling Company, Indianapolis, Ind. Poultry feed. 177,343; Sept. 25.
Woolley, Daniel P., New York, N. Y. Bread. 181,360; Sept. 25.
Woolley, Daniel P., New York, N. Y. Bread. 181,363–4; Sept. 25.
Woolley, Daniel P., New York, N. Y. Bread. 181,367; Sept. 25.
Woolley, Daniel P., New York, N. Y. Bread. 181,369; Sept. 25.
Wopsy Poultry Yards. (See Parks, Joseph W.)
Wüsthof, Carl, Stahlwarenfabrik, Solingen, Germany. Knives, forks, spoons, razors, and scissors. 162,707; Sept. 25.
Zucnutkandy Company, Newark, N. J. Candy. 181,969; Sept. 25.

CLASSIFIED LIST OF TRADE-MARKS REGISTERED.

CLASS 2.

Boxes, wrappers, and receptacles, Candy. Pup Toys Company. 173,400; Sept. 25; Serial No. 175,159; published June 19, 1923.

CLASS 3.

Kits and cases, Vanity. Bovee Novelty Company. 173,455; Sept. 25; Serial No. 178,325; published June 19, 1923.
Purses, pocketbooks, handbags, and roll-ups, Coin. E. J. Wilkins Co. 173,402; Sept. 25; Serial No. 175,448; published June 19, 1923.
Sacks, saddles, horse collars, etc., Pack. Marshall-We'ls Company. 173,457; Sept. 25; Serial No. 178,533; published June 19, 1923.

CLASS 4.

Cleansing and polishing powder. J. B. Williams Company. 173,547; Sept. 25.
Cleaning preparation. E. F. Bernhard. 173,543; Sept. 25.
Polish. H. D. Head. 173,396; Sept. 25; Serial No. 173,705; published June 19, 1923.
Preparation for removing ink, dirt, and grease. Chalmers Chemical Company. 173,592; Sept. 25.
Soap, Complexion and bath. Marshall Field & Company. 173,586; Sept. 25.

CLASS 6.

Antiseptic, Biliary. W. A. Graham. 173,484; Sept. 25; Serial No. 175,862; published June 26, 1923.
Baking powder and soda. Reid, Murdoch & Co. 173,471; Sept. 25; Serial No. 176,283; published June 19, 1923.
Bath salt tablets, toilet water, hair lotion, etc. Yardley & Co. 173,443; Sept. 25; Serial No. 174,376; published June 26, 1923.
Blood purifiers, stomach tonic, cough sirup, etc. O. Seifert. 173,349; Sept. 25; Serial No. 169,376; published June 26, 1923.
Chemicals, medicines, and pharmaceutical preparations. Norwich Pharmacal Company. 173,526; Sept. 25.
Compound for the treatment of cancers. Parrett and Swank. 173,330; Sept. 25; Serial No. 171,548; published June 26, 1923.
Compounds for the removal of rust, and scale from the interior of radiators, etc. Godwin & Lohmann. 173,549; Sept. 25.
Cream, Cold. A. U. Sternlof. 173,428; Sept. 25; Serial No. 162,775; published June 26, 1923.
Cream of tartar. Park & Tilford. 173,321; Sept. 25; Serial No. 173,241; published June 26, 1923.
Gum, Medicinal chewing. West & Tuell. 173,527; Sept. 25.
Hair dressing. M. C. Conston. 173,560; Sept. 25.
Intestinal regulator. J. Osman. 173,442; Sept. 25; Serial No. 174,407; published June 26, 1923.
Medicinal oil. N. Jakobs. 173,325; Sept. 25; Serial No. 171,998; published June 26, 1923.
Medicine for the treatment of impotence and frigidity. E. R. Weisberg. 173,426; Sept. 25; Serial No. 159,004; published June 26, 1923.
Medicine used in the treatment of piles and flatulency. D. Pistoia. 173,339; Sept. 25; Serial No. 173,298; published May 1, 1923.
Pastes and powders and perfumery. Parfumerie Roger & Gallet. 173,438; Sept. 25; Serial No. 174,590; published June 26, 1923.
Perfumes. De Cameron, Inc. 173,590; Sept. 25.
Perfume, toilet water, rouges, face powder, etc. E. Daltroff & Cie. 173,444; Sept. 25; Serial No. 173,875; published June 26, 1923.
Pharmaceutical preparations. V. Baldacci. 173,328; Sept. 25; Serial No. 171,703; published June 26, 1923.
Plaster, Drawing. Red-O-Led Plaster Co. 173,398; Sept. 25; Serial No. 174,799; published June 26, 1923.
Powder, Talcum. Foley & Company. 173,472; Sept. 25; Serial No. 176,260; published June 19, 1923.
Preparation for preventing the running of dyes in fabrics during washing. Relyea Soap Co. 173,511; Sept. 25.
Preparation for prevention and treatment of intestinal disorders of fowls. American Scientific Laboratories, Inc. 173,516; Sept. 25.
Preparation for the treatment of cancer. M. G. Petrich. 173,333; Sept. 25; Serial No. 171,187; published June 26, 1923.
Preparation for treatment of consumption, etc. J. Livingston. 173,579; Sept. 25.
Preparation for use in removing discoloration from the teeth. J. H. Poote. 173,404; Sept. 25; Serial No. 175,856; published June 26, 1923.
Preparation used in the treatment of kidney and bladder diseases, etc. Standard Drug Company. 173,470; Sept. 25; Serial No. 176,289; published June 19, 1923.
Quinine and bismuth, Double iodide of. Etablissements Poulenc frères. 173,449; Sept. 25; Serial No. 173,748; published June 26, 1923.
Remedies for hemorrhoids and piles. D. Theodorou. 173,524; Sept. 24.
Rouge, powder, and rouge compacts, brilliantines, etc. Louis Philippe, Inc. 173,323; Sept. 25; Serial No. 173,105; published June 26, 1923.
Salt, Carey Salt Co. 173,541; Sept. 25.
Salt, Table. G. M. Siltenfuss. 173,546; Sept. 25.
Salves. A. Zielinski. 173,483; Sept. 25; Serial No. 175,905; published June 19, 1923.
Scalp cream, Antiseptic. Morse & Co. 173,542; Sept. 25.
Sodas for cleaning water softening purposes. Benner Chemical Company. 173,536; Sept. 25.
Sodium silicate. Philadelphia Quartz Company. 173,425; Sept. 25; Serial No. 158,727; published June 26, 1923.
Tablets for colds, coughs, headache, etc. Standard Medical Society, Inc. 173,432; Sept. 25; Serial No. 166,226; published June 26, 1923.
Tonic, General. J. C. Norflett. 173,421; Sept. 25; Serial No. 156,290; published June 26, 1923.
Tooth paste, cold cream, talcum powder, and perfume. Julius Wile Sons & Co. 173,509; Sept. 25; Serial No. 175,828; published June 26, 1923.
Vaccine, Specific. Etablissements Poulenc frères. 173,447–8; Sept. 25; Serial Nos. 173,749–50; published June 26, 1923.
Vaccine, Specific. Etablissements Poulenc frères. 173,450–1; Sept. 25; Serial Nos. 173,746–7; published June 26, 1923.
Vaccine, Specific. Etablissements Poulenc frères. 173,452; Sept. 25; Serial No. 173,744; published June 26, 1923.

CLASS 10.

Fertilizers. Krippendorf-Tuttle White Cliffs Products Co. 173,412; Sept. 25; Serial No. 177,744; published June 19, 1923.

CLASS 13.

Alloys, Metal. Seymour Manufacturing Company. 173,412; Sept. 25; Serial No. 177,744; published June 12, 1923.
Bolt anchors and expansion shields and parts therefor. Diamond Expansion Bolt Co. 173,587; Sept. 25.
Dish pans. W. H. Hendricks. 173,416; Sept. 25; Serial No. 152,799; published June 26, 1923.
Hog rings. Estate of A. C. Decker. 173,544; Sept. 25.
Metals. Seymour Manufacturing Company. 173,481; Sept. 25; Serial No. 175,953; published June 19, 1923.
Screws, bolts, washers, etc. Guest, Keen & Nettlefolds Limited. 173,434; Sept. 25; Serial No. 166,683; published June 26, 1923.
Wire fencing, barbed wire, steel fenceposts, and wire staples. Woven-. Lendclad Wire Company. 173,585; Sept. 25.

CLASS 14.

Alloys of copper, zinc, and nickle, Metal. Seymour Manufacturing Company, The. 173,479; Sept. 25; Serial No. 175,956; published June 19, 1923.

CLASS 15.

Liquid motor fuel. Benzo-Gas Motor Fuel Company. 173,462; Sept. 25; Serial No. 179,086; published June 19, 1923.
Oil, Transformer. Standard Oil Company (Incorporated in New Jersey). 173,403; Sept. 25; Serial No. 175,747; published June 26, 1923.
Oils. Sinclair Refining Company. 173,469; Sept. 25; Serial No. 180,503; published June 19, 1923.

Oils and greases, Lubricating. G. B. Carran. 173,468; Sept. 25; Serial No. 179,927; published June 26, 1923.
Oils and greases, Lubricating. Cato Oil and Grease Co. 173,461; Sept. 25; Serial No. 179,294; published June 19, 1923.
Oils and greases, Lubricating. Reed Oil Company. 173,407; Sept. 25; Serial No. 176,366; published June 19, 1923.
Oils and greases, Lubricating. Western Reserve Oil Company. 173,456; Sept. 25; Serial No. 178,366; published June 19, 1923.

CLASS 16.

Oxides, Red. J. A. McNulty. 173,410; Sept. 25; Serial No. 177,684; published June 19, 1923.
Paint purposes, Paste for. New Jersey Zinc Company. 173,458; Sept. 25; Serial No. 178,402; published June 19, 1923.
Paints, Mixed liquid. Senora Paint Works, Inc. 173,413; Sept. 25; Serial No. 177,752; published June 19, 1923.
Shellac products, Specially-prepared. L. F. Cassoff. 173,401; Sept. 25; Serial No. 175,343; published June 19, 1923.
Turpentine substitute. George Wills and Sons, Ltd. 173,429; Sept. 25; Serial No. 163,160; published June 26, 1923.

CLASS 17.

Cigars. Ruy Lopez Co. 173,388; Sept. 25; Serial No. 172,772; published Mar. 20, 1923.

CLASS 23.

Bottle filling and washing machines and cork pullers. Direct Equipment & Engineering Corporation. 173,531; Sept. 25.
Can openers and cap lifters. J. S. Dunlap. 173,525; Sept. 25.
Drilling tools, rope sockets, bailers, etc., Cable. Fort Worth Drilling Tool Company. 173,485; Sept. 25; Serial No. 175,857; published June 12, 1923.
Pistons. Berguson-Skinner Corporation. 173,420; Sept. 25; Serial No. 156,248; published June 26, 1923.
Pocketknives. F. Biffar. 173,521; Sept. 25.
Shovels, spades, scoops, posthole diggers, and wooden handles. Baldwin Tool Works. 173,433; Sept. 25; Serial No. 166,655; published Jan. 23, 1923.
Sucker rods. S. M. Jones Company. 173,431; Sept. 25; Serial No. 163,876; published Dec. 19, 1922.

CLASS 24.

Ironing boards. I. G. Ballbache. 173,528; Sept. 25.

CLASS 25.

Automobile locks and parts thereof. Leland Lock Company. 173,520; Sept. 25.

CLASS 26.

Gauges, thermometers, etc. American Steam Gauge & Valve Manufacturing Company. 173,417; Sept. 25; Serial No. 154,346; published June 26, 1923.
Laboratory apparatus for investigating oils and fats, parts of such apparatus, etc. Sommer & Runge. 173,424; Sept. 25; Serial No. 157,336; published June 26, 1923.
Spectacle frames. Bachmann Bros. 173,548; Sept. 25.

CLASS 27.

Watches and parts thereof. Henry Blank & Company. 173,534–5; Sept. 25.

CLASS 31.

Refrigerators. Bohn Refrigerator Company. 173,582; Sept. 25.

CLASS 32.

Mirrors and picture frames, Hand. Newark Tortoise Shell Novelty Co. 173,591; Sept. 25.
Table slide bars. Watertown Table-Slide Company. 173,569; Sept. 25.

CLASS 37.

Books, Blank-form. J. I. Cook. 173,474; Sept. 25; Serial No. 176,165; published June 19, 1923.
Paper and mailing envelopes, Writing and printing. American Writing Paper Company. 173,464; Sept. 25; Serial No. 179,701; published June 19, 1923.
Paper, and paper towels, Toilet. Wortendyke Manufacturing Co. 173,467; Sept. 25; Serial No. 179,911; published June 19, 1923.
Paper, Bond. H. P. Andrews Paper Company. 173,529; Sept. 25.
Paper, Bond. Standard Paper Manufacturing Co. 173,537; Sept. 25.
Paper toilet-seat covers. J. L. Schaefer. 173,463; Sept. 25; Serial No. 179,683; published June 19, 1923.
Paper, Tracing. J. D. Cardinell. 173,465–6; Sept. 25; Serial No. 179,712–3; published June 19, 1923.
Paper, Wax. Hamersley Manufacturing Company. 173,530; Sept. 25.
Paper, Writing. Cincinnati Cordage & Paper Co. 173,439; Sept. 25; Serial No. 174,556; published June 26, 1923.
Pencils. Joseph Dixon Crucible Company. 173,578; Sept. 25.
Pencils, pens, leads, and erasers. Ingersoll Redipoint Company. 173,441; Sept. 25; Serial No. 174,451; published June 26, 1923.
Pens, Fountain. W. A. Sheaffer Pen Company. 173,423; Sept. 25; Serial No. 157,185; published June 26, 1923.

CLASS 38.

Bibles. Thomas Nelson & Sons. 173,517; Sept. 25.
Photographic prints. Chastains' Incorporated. 173,594; Sept. 25.
Publications, Monthly. Baltimore Bargain House. 173,583; Sept. 25.

CLASS 39.

Aprons and house dresses, Ladies' and misses'. Forest City Manufacturing Company. 173,427; Sept. 25; Serial No. 162,397; published June 26, 1923.
Belts, corsets, braces, etc., Abdominal. S. H. Camp & Company. 173,576; Sept. 25.
Brassières. Birdsey Somers Company. 173,440; Sept. 25; Serial No. 174,532; published June 26, 1923.
Brassières. Boysform Brassiere Co. 173,551–3; Sept. 25.
Brassières and women's underwear. Madame Irene. 173,338; Sept. 25; Serial No. 173,498; published June 26, 1923.
Caps, Silk opera. J. Fleischer. 173,550; Sept. 25.
Cloaks and capes, Children's. Shoninger-Heinsheimer Manufacturing Co. 173,341; Sept. 25; Serial No. 171,963; published July 3, 1923.
Clothing. Symons Brothers and Company. 173,580; Sept. 25.
Coats. United States Rubber Company. 173,495; Sept. 25; Serial No. 175,580; published June 19, 1923.
Coats, Office. L. Berger. 173,555; Sept. 25.
Coats, skirts, and suits, Women's, misses,' and children's. Barrist & Co. 173,435; Sept. 25; Serial No. 174,764; published June 26, 1923.
Coats, suits, skirts. Koen Brothers. 173,518; Sept. 25.
Coats, waistcoats, bath robes, etc., women's and girls' furnishings, undergarments, and clothing, Men's and boys'. Franklin Simon & Co. 173,348; Sept. 25; Serial No. 170,431; published June 26, 1923.
Coats, wraps, capes, and neckpieces. H. Uswald. 173,418; Sept. 25; Serial No. 155,280; published June 19, 1923.
Coats, wraps, capes, and neck pieces, Fur. H. Uswald. 173,419; Sept. 25; Serial No. 155,281; published June 19, 1923.
Corsets, corset waists, undergarment, etc. American Lady Corset Co. 173,557; Sept. 25.
Cravats, mufflers, men's lounging robes. J. M. Feinson. 173,486; Sept. 25; Serial No. 175,854; published June 12, 1923.
Dresses and waists, Women's. L. J. Margulies. 173,408; Sept. 25; Serial No. 176,902; published June 26, 1923.
Dresses, skirts, waists, etc. J. Garfinkle. 173,383; Sept. 25; Serial No. 174,362; published July 10, 1923.
Garments, Men's and boys' outer. H. B. Platt. 173,409; Sept. 25; Serial No. 176,916; published June 26, 1923.
Gloves. Fownes Brothers & Co. 173,567–8; Sept. 25.
Hat linings. E. Bouton. 173,415; Sept. 25; Serial No. 145,430; published June 19, 1923.
Hats, caps, shirts, etc., Men's and boys'. Jordan Marsh Company. 173,563; Sept. 25.
Hats, Ladies' and misses'. Slyt Edge Company. 173,558; Sept. 25.
Hosiery. Bear Brand Hosiery Co. 173,504; Sept. 25; Serial No. 175,761; published June 12, 1923.
Hosiery. J. A. Custer. 173,394; Sept. 25; Serial No. 178,227; published July 10, 1923.
Hosiery. Daisy Whitehead Knitting Co. 173,508; Sept. 25; Serial No. 175,826; published June 19, 1923.
Hosiery. Greenwald Brothers Incorporated. 173,422; Sept. 25; Serial No. 157,032; published June 26, 1923.
Hosiery. Powell Knitting Company. 173,430; Sept. 25; Serial No. 166,250; published June 19, 1923.
Hosiery. Real Silk Hosiery Mills. 173,566; Sept. 25.
Hosiery. Rice-Stix Dry Goods Company. 173,494; Sept. 25; Serial No. 175,567; published June 12, 1923.
Hosiery and men's crochet and knitted neckwear. Federal Knitting Company. 173,446; Sept. 25; Serial No. 173,762; published June 26, 1923.
Hosiery and men's knitted and textile underwear. W. R. Grace & Co. 173,331; Sept. 25; Serial No. 171,270; published June 26, 1923.
Hosiery and underwear. Scotia Mills, Inc. 173,513; Sept. 25.
Hosiery, Ladies'. Ben Levene Inc. 173,395; Sept. 25; Serial No. 173,395; published June 26, 1923.
Hosiery, Silk. Lehigh Silk Hosiery Mills, Inc. 173,589; Sept. 25.
Hosiery, suspenders, garters, underwear, etc. B. Cohn. 173,335; Sept. 25; Serial No. 169,949; published June 26, 1923.
Hosiery, sweaters, and knitted underwear. A. H. Wittenberg. 173,372; Sept. 25; Serial No. 178,321; published July 10, 1923.
Hosiery, underwear, and outer garments. May Hosiery Mills, Inc. 173,346; Sept. 25; Serial No. 170,589; published June 26, 1923.

Knickerbockers or bloomers. Kenilworth Manufacturing Co. 173,334; Sept. 25; Serial No. 170,887; published June 26, 1923.
Overalls. Shamrock Overall Mfg. Co. 173,327; Sept. 25; Serial No. 171,710; published June 26, 1923.
Overcoats. Rhodes & Ripley Clothing Company. 173,397; Sept. 25; Serial No. 173,724; published June 26, 1923.
Pants, Khaki, corduroy, and worsted. N. Rothman. 173,337; Sept. 25; Serial No. 167,019; published June 19, 1923.
Raincoats and rainproof men's and children's clothing. Louis N. Cohen & Co. 173,454; Sept. 25; Serial No. 173,564; published June 26, 1923.
Raincoats, rain articles, etc. Standard Oiled Clothing Co. 173,453; Sept. 25; Serial No. 173,733; published June 26, 1923.
Shirts. A. Greenstone. 173,512; Sept. 25.
Shoes. Riley Shoe Manufacturing Co. 173,577; Sept. 25.
Shoes. L. D. Stickles Shoe Co. 173,319; Sept. 25; Serial No. 173,449; published June 26, 1923.
Shoes, Leather. D. C. Clark. 173,562; Sept. 25.
Slippers, shoes, bootees, dresses, suits, etc. Bernhard Ulmann Co. 173,564; Sept. 25.
Socks for boots and shoes. Thornley and Booth Limited. 173,437; Sept. 25; Serial No. 174,643; published June 19, 1923.
Stockings. O'Callaghan & Fedden, Inc. 173,581; Sept. 25.
Suits. S. Goodman. 173,320; Sept. 25; Serial No. 173,416; published June 26, 1923.
Suits and topcoats. Bestmake Boys Clothing Co. 173,332; Sept. 25; Serial No. 171,199; published June 19, 1923.
Sweaters and sport coats. J. H. Cohen. 173,487; Sept. 25; Serial No. 175,851; published June 19, 1923.
Sweaters, dresses, bathing suits, mufflers, knitted gloves, stockings, etc. Mengart Knitting Mills. 173,399; Sept. 25; Serial No. 175,149; published June 26, 1923.
Underwear and pyjamas, shirts, etc. Excelsior Underwear Co. 173,326; Sept. 25; Serial No. 171,910; published July 3, 1923.
Underwear, Athletic and knitted. Riteweb Manufacturing Company. 173,371; Sept. 25; Serial No. 178,286; published July 10, 1923.
Underwear, Athletic and knitted. Riteweb Manufacturing Company. 173,373; Sept. 25; Serial No. 178,285; published July 10, 1923.
Underwear for women and girls. R. S. Philips. 173,436; Sept. 25; Serial No. 174,750; published June 26, 1923.

CLASS 42.

Bengaline, chiffon, crashes, serges, etc. Lorraine Manufacturing Company. 173,584; Sept. 25.
Cotton fabrics. Friedman & Krieger. 173,369; Sept. 25; Serial No. 179,528; published July 3, 1923.
Cotton piece goods. Klein-Messner Co. 173,343; Sept. 25; Serial No. 171,331; published June 26, 1923.
Cotton piece goods. Kummer, Upmann & Co. 173,367; Sept. 25; Serial No. 179,608; published July 3, 1923.
Cotton piece goods. Naumkeag Steam Cotton Co. 173,391; Sept. 25; Serial No. 163,761; published Jan. 9, 1923.
Cotton piece goods. Neuss, Hesslein & Co. 173,366; Sept. 25; Serial No. 179,620; published July 3, 1923.
Cotton piece goods. Pacific Mills. 173,360; Sept. 25; Serial No. 180,139; published July 3, 1923.
Cotton piece goods. Charles L. Poor Co. 173,473; Sept. 25; Serial No. 176,214; published June 26, 1923.
Cotton piece goods. Charles L. Poor Co. 173,477; Sept. 25; Serial No. 176,042; published June 19, 1923.
Cotton piece goods. Voss & Stern. 173,355; Sept. 25; Serial No. 160,318; published June 26, 1923.
Cotton piece goods. Voss & Stern. 173,356; Sept. 25; Serial No. 160,312; published June 26, 1923.
Cotton piece goods. Wilton Manufacturing Company. 173,361; Sept. 25; Serial No. 180,039; published July 3, 1923.
Cotton piece goods and cotton and silk mixtures in the piece. Cohn Hall Marx Co. 173,387; Sept. 25; Serial No. 173,278; published Mar. 20, 1923.
Cotton, silk and cotton, and silk goods in the piece. E. Meyer. 173,370; Sept. 25; Serial No. 178,764; published May 22, 1923.
Fabrics in the piece, Pile. Salt's Textile Manufacturing Company. 173,357; Sept. 25; Serial No. 159,118; published June 26, 1923.
Fabrics, Netted or widemesh. James Thompson & Co. 173,365; Sept. 25; Serial No. 179,631; published July 3, 1923.
Gingbams. Stonecutter Mills Company. 173,532; Sept. 25.
Hair nets. Paristyle Novelty Co. 173,565; Sept. 25.
Satin in the piece, Cotton-back. Schwarzenbach Huber Company. 173,374; Sept. 25; Serial No. 180,146; published July 3, 1923.
Silk and artificial-silk cotton, linen, etc., piece goods. Schwarzenbach Huber Company. 173,359; Sept. 25; Serial No. 180,145; published July 3, 1923.
Silk and cotton and cotton fabrics, Printed and piece-dyed. Clarence Whitman & Son, Inc. 173,411; Sept. 25; Serial No. 177,713; published June 26, 1923.
Silk, linen, woolen, and cotton piece goods and combinations thereof. Haas Brothers Fabrics Corporation. 173,318; Sept. 25; Serial No. 165,865; published Aug. 29, 1922.
Silk piece goods. Duplan Silk Corporation. 173,540; Sept. 25.
Silk piece goods and artificial-silk, cotton, etc., piece goods and combinations thereof. Bentley & Twohey Silk Co. 173,324; Sept. 25; Serial No. 172,197; published June 26, 1923.
Textile fabrics in the piece, etc., Woven and knitted. Knitted Textile Corporation. 173,363–4; Sept. 25; Serial Nos. 179,798–9; published July 3, 1923.
Textile fabrics, Manufactured. Associated Textile Manufacturers, Inc. 173,380; Sept. 25; Serial No. 175,232; published Apr. 17, 1923.
Worsted, woolen, etc., piece goods. Walther Manufacturing Co. 173,362; Sept. 25; Serial No. 179,902; published July 3, 1923.
Worsted, worsted and cotton, etc., piece goods. Walther Manufacturing Co. 173,368; Sept. 25; Serial No. 179,569; published July 3, 1923.

CLASS 43.

Silk, Spool. Gudebrod Bros. Silk Co. 173,503; Sept. 25; Serial No. 175,785; published June 26, 1923.

CLASS 44.

Dental band material. Baker & Co. 173,459; Sept. 25; Serial No. 178,949; published June 19, 1923.
Dental metal. Baker & Co. 173,460; Sept. 25; Serial No. 178,951; published June 19, 1923.
Electric therapeutic apparatus. Renulife Electric Co. 173,414; Sept. 25; Serial No. 178,193; published June 19, 1923.

CLASS 46.

Alimentary paste. Los Angeles Macaroni Co. 173,593; Sept. 25.
Apples, Fresh. Eat Wenatchee Apples, Inc. 173,556; Sept. 25.
Apples, Fresh. W. E. Roche. 173,329; Sept. 25; Serial No. 171,552; published June 26, 1923.
Bacon, ham, breakfast-bacon squares. Schaffner Brothers Company. 173,389; Sept. 25; Serial No. 169,929; published July 3, 1923.
Bread. Hall Baking Co. 173,505; Sept. 25; Serial No. 175,787; published June 19, 1923.
Bread. Smith & Hofsess. 173,499; Sept. 25; Serial No. 175,682; published June 19, 1923.
Bread. Vermont Baking Company. 173,539; Sept. 25.
Candies. A. Bernard. 173,475–6; Sept. 25; Serial Nos. 176,155–6; published June 19, 1923.
Candies. Samson Candy Co. 173,493; Sept. 25; Serial No. 175,538; published June 19, 1923.
Candies, Chocolate. Clinton Copeland Co. 173,393; Sept. 25; Serial No. 162,532; published July 3, 1923.
Candy. Chocolate Products Company. 173,502; Sept. 25; Serial No. 175,711; published June 19, 1923.
Candy. George Close Co. 173,347; Sept. 25; Serial No. 170,561; published June 26, 1923.
Candy. Elmer Candy Co. 173,523; Sept. 25.
Candy. Planters Nut & Chocolate Company. 173,377; Sept. 25; Serial No. 176,567; published July 13, 1923.
Candy. Spangler Candy Co. 173,507; Sept. 25; Serial No. 175,815; published June 26, 1923.
Candy and chocolates. E. A. Hoffman. 173,358; Sept. 25; Serial No. 159,024; published June 26, 1923.
Canned and preserved figs, canned fruits and vegetables. Kings County Packing Co. 173,345; Sept. 25; Serial No. 171,328; published June 26, 1923.
Canned berries and fruits. G. H. Bradt. 173,573–4; Sept. 25.
Canned corn, peas, beans, succotash, etc. South Bend Wholesale Grocery Company. 173,506; Sept. 25; Serial No. 175,814; published June 19, 1923.
Canned fish. Coast Fishing Company. 173,406; Sept. 25; Serial No. 176,227; published June 26, 1923.
Canned fruits. Kings County Packing Co. 173,344; Sept. 25; Serial No. 171,329; published June 26, 1923.
Canned fruits and berries, fruit jams, etc. G. H. Bradt. 173,575; Sept. 25.
Canned fruits and vegetables. Atascadero Fruit Exchange 173,342; Sept. 25; Serial No. 171,346; published June 26, 1923.
Canned fruits and vegetables. Willamette Valley Canneries, Inc. 173,510; Sept. 25.
Canned peppers. A. Schratter. 173,351; Sept. 25; Serial No. 141,134; published June 26, 1923.
Canned tomatoes. Virden Packing Company. 173,497; Sept. 25; Serial No. 175,633; published June 19, 1923.
Canned tunny fish. Seacoast Canning Company. 173,386; Sept. 25; Serial No. 173,303; published July 3, 1923.
Cantaloupes, Fresh. Miller-Cummings Company. 173,384; Sept. 25; Serial No. 173,436; published July 3, 1923.
Cantaloupes, melons, etc., Fresh. Miller-Cummings Company. 173,385; Sept. 25; Serial No. 173,435; published July 3, 1923.
Cereal, Rye breakfast. M. C. Ely. 173,353; Sept. 25; Serial No. 166,357; published Mar. 20, 1923.
Cheese. E. Locatelli. 173,533; Sept. 25.
Chili powder. C. B. Gentry. 173,572; Sept. 25.
Coffee. Haas Lieber Grocery Co. 173,405; Sept. 25; Serial No. 175,863; published June 26, 1923.
Coffee. Vaughn Grocery Company. 173,382; Sept. 25; Serial No. 174,948; published July 3, 1923.
Cookies. R. Newkirk. 173,515; Sept. 25.

Dairy and food products. James Van Dyk Co. 173,554; Sept. 25.
Feeds. J. M. Wilson. 173,492; Sept. 25; Serial No. 175,536; published June 19, 1923.
Fish cakes and canned fish. M. Kumamoto. 173,381; Sept. 25; Serial No. 175,015; published July 3, 1923.
Flour, Self-rising. J. Allen Smith & Co. 173,491; Sept. 25; Serial No. 175,527; published June 19, 1923.
Flour, Wheat. Colorado Milling & Elevator Co. 173,490; Sept. 25; Serial No. 175,470; published June 19, 1923.
Flour, Wheat. Texas Star Flour Mills. 173,545; Sept. 25.
Food, Cereal breakfast. Battle Creek Food Company. 173,500; Sept. 25; Serial No. 175,701; published June 19, 1923.
Food for fowl, Scratch. T. W. Wood & Sons. 173,336; Sept. 25; Serial No. 167,792; published Mar. 20, 1923.
Food for infants, Specially-prepared. Mead Johnson & Co. 173,340; Sept. 25; Serial No. 171,939; published June 26, 1923.
Food, Nut cereal. Battle Creek Food Company. 173,488; Sept. 25; Serial No. 175,838; published June 19, 1923.
Fruits and fresh vegetables, Fresh citrous. Andrews Brothers Company. 173,478; Sept. 25; Serial No. 176,152; published May 15, 1923.
Fruits, Fresh citrous. Lindsay Co-Operative Citrus Association. 173,496; Sept. 25; Serial No. 175,609; published June 19, 1923.
Grapes and vegetables, Fresh. East Slope Fruit Association. 173,559; Sept. 25.
Gum, Chewing. American Chicle Company. 173,489; Sept. 25; Serial No. 175,834; published June 19, 1923.
Gum, Chewing. R. H. Cobb. 173,390; Sept. 25; Serial No. 155,253; published July 3, 1923.
Hams and bacons, lard, etc., Smoked. Shenandoah Abattoir Co. 173,538; Sept. 25.
Hams, bacon, sausage, etc. Indianapolis Abattoir Company. 173,519; Sept. 25.
Herring, Smoked. Gorton-Pew Fisheries Company. 173,570; Sept. 25.
Horse-radish and mustard, jellies, jams, etc. A. Van Erp. 173,322; Sept. 25; Serial No. 173,154; published June 26, 1923.
Ice cream. Dryden Corporation. 173,522; Sept. 25.
Macaroni, vermicelli, spaghetti. Seattle Macaroni Mfg. Co. 173,514; Sept. 25.
Marmalade, jams, and preserved fruits. T. K. Mott. 173,376; Sept. 25; Serial No. 176,850; published July 3, 1923.
Milk and baby foods, Powdered. Fraser Milk Products Co. 173,375; Sept. 25; Serial No. 177,480; published July 10, 1923.
Milk, Evaporated. L. L. Lyons. 173,498; Sept. 25; Serial No. 175,668; published June 19, 1923.
Noodles. C. Foltzer. 173,352; Sept. 25; Serial No. 166,503; published June 26, 1923.
Nuts, Brazil. United Fig & Date Company, The. 173,378; Sept. 25; Serial No. 176,298; published July 3, 1923.
Oil, Olive. John Vittucci Company. 173,588; Sept. 25.
Oil, Winter-pressed cottonseed salad. A. Gash. 173,445; Sept. 25; Serial No. 173,819; published June 26, 1923.
Peanuts and all kinds of nut meats and nut products. C. A. Cosri. 173,354; Sept. 25; Serial No. 162,917; published June 26, 1923.
Peanuts, Salted. National Food Products Co. 173,561; Sept. 25.
Potato chips, noodles, etc. A. Klein. 173,571; Sept. 25.
Potatoes. E. D. Askegaard. 173,482; Sept. 25; Serial No. 175,911; published June 19, 1923.
Sirup, Grape-flavored. Queen City Extract Company. 173,392; Sept. 25; Serial No. 163,595; published July 3, 1923.
Sirups, compound extract of coca leaves and kola nuts, Compound. W. G. Robbins. 173,350; Sept. 25; Serial No. 169,257; published June 26, 1923.
Sugar tablets, Flavored. Mills Novelty Company. 173,379; Sept. 25; Serial No. 175,260; published July 3, 1923.
Vegetable flavors. Battle Creek Food Company. 173,501; Sept. 25; Serial No. 175,704; published June 19, 1923.

ALPHABETICAL LIST OF LABELS.

Antikocchibacterio. For a Preparation Used in Treatment for Tuberculosis. Mazziotti Corporation. 26,426; Sept. 26.
Buster Bear. For Cake Chocolate. Ideal Cocoa & Chocolate Co. 26,419; Sept. 25.
Connecticut Valley Brand. For Canned Tomatoes. S. Vogel Sons. 26,433; Sept. 25.
Cracker Jack. For Carbonated Beverages. Cracker Jack Co. 26,406; Sept. 25.
Creme Ventura. For Vanishing Cream. A. J. Krank. 26,412; Sept. 25.
Glacier Kaps. For Fancy Cakes. Hoyt's Consumers Cracker & Biscuit Corporation. 26,410; Sept. 25.
Golden Guernsey Products. For Milk, Cream, Butter, and Cheese. American Guernsey Cattle Club. 26,404; Sept. 25.
Grin. For Auto Polish. Grin Co. 26,409; Sept. 25.
Heavenly Hash. For Candy. A. G. Williams Homemade Candy Co. 26,436; Sept. 25.
Ionia. For Hair Nets. Paristyle Novelty Co., Inc. 26,430; Sept. 25.
Miss Bunny. For Cake Chocolate. Ideal Cocoa & Chocolate Co. 26,420; Sept. 25.
Miss Kitty. For Cake Chocolate. Ideal Cocoa & Chocolate Co. 26,417; Sept. 25.
Mozel. For Silk Opera and Sport Hair Nets. J. Fleischer. 26,408; Sept. 25.
Mr. Porker. For Cake Chocolate. Ideal Cocoa & Chocolate Co. 26,414; Sept. 25.
Neo. For a Preparation for Destroying Bugs. M. Robins. 26,431; Sept. 25.
Oriental Mystic Game. For Games. W. Wendtland. 26,435; Sept. 25.
Paristyle. For Hair Nets. Paristyle Novelty Co. 26,429; Sept. 25.
Peter Squirrel. For Cake Chocolate. Ideal Cocoa & Chocolate Co. 26,415; Sept. 25.
Phosphorcin. For a Tonic for the Nervous System. Organic Preparations Co. 26,427; Sept. 25.
Phosphorcin. For a Tonic for the Nervous System. Organic Preparations Co. 26,428; Sept. 25.
Prince. For Cake Chocolate. Ideal Cocoa & Chocolate Co. 26,416; Sept. 25.
Rajah. For Cake Chocolate. Ideal Cocoa & Chocolate Co. 26,418; Sept. 25.
Save Your Hair Haironnn Don't Get Bald. For a Hair Tonic. M. J. Bidwell. 26,405; Sept. 25.
Skin-Health. For Toilet Cream. A. J. Krank. 26,413; Sept. 25.
Star Brand Shoes are Better. For Shoes. International Shoe Company. 26,424; Sept. 25.
Stork Band for Cigars. For Cigars. O. E. King. 26,421; Sept. 25.
Sweetie. For Cake Chocolate. Ideal Cocoa & Chocolate Co. 26,422; Sept. 25.
The Chocolate Rooster. For Cake Chocolate. Ideal Cocoa & Chocolate Co. 26,421; Sept. 25.
The Chocolate Soldier. For Cake Chocolate. Ideal Cocoa & Chocolate Co. 26,423; Sept. 25.
The Invisible Touch That Means So Much. For Hair Nets. Samstag & Hilder Bros., Inc. 26,432; Sept. 25.
Tissue. For Dry-Goods—Namely, Cotton and Linen Cloth. Farley Harvey Company. 26,407; Sept. 25.
Ward's De Luxe Layer Cakes. For Cake. Ward Baking Company. 26,434; Sept. 25.
Your Money Back and a New Pair of Shoes Free. For Shoes. International Shoe Company. 26,425; Sept. 25.

ALPHABETICAL LIST OF PRINTS.

American Bottlers of Carbonated Beverages. For Beverages. American Bottlers of Carbonated Beverages. 6,894; Sept. 25.
Dynamo Electric Works Guaranteed Quality + Service. For Dynamos. Dynamo Electric Works. 6,897; Sept. 25.
Edgeworth Extra High Grade Tobacco. For Tobacco. Larus & Brother Company. 6,900; Sept. 25.
Krank's. For Toilet Preparations. A. J. Krank. 6,899; Sept. 25.
O'Zol (Benzol-Motor Gasoline). For Gasoline. O'Neil Oil & Paint Company. 6,901; Sept. 25.
Right Over The Home Plate. For Wheat Breakfast Food. Cream of Wheat Co. 6,895; Sept. 25.
Serious business, now, for little brains. For Wheat Breakfast Food. Cream of Wheat Co. 6,896; Sept. 25.
The Cream for Every Home. For Honey and Almond Cream and Cre-Mis Face Powder. A. S. Hinds Co. 6,898; Sept. 25.
The Economical Way. For Hosiery. Real Silk Hosiery Mills. 6,903; Sept. 25.
The Expensive Way. For Hosiery. Real Silk Hosiery Mills. 6,902; Sept. 25.
Trail Mocs. For Shoes. Trail Moc Shoe Company. 6,904; Sept. 25.

CLASSIFIED LIST OF TRADE-MARK TITLES.

PUBLISHED FOR OPPOSITION.

[Act of Feb. 20, 1905, Sec. 6, as amended Mar. 2, 1907.]

CLASS 4.

Chemical preparation for application to windshields. Fordyce & Jackson. 180,756; Sept. 25.
Cleanser for artificial teeth. F. Reiss. 180,891; Sept. 25.
Metal polish. H. G. Parrott. 180,490; Sept. 25.
Scrubbing compound. U. S. Sanitary Specialties Corporation. 173,542; Sept. 25.
Shoe dressings. Thomsen Company. 167,927; Sept. 25.
Soap. U. S. Sanitary Specialties Corporation. 173,545; Sept. 25.
Soap. J. B. Williams Company. 162,790; Sept. 25.
Soap cleansing cream. Flash Chemical Company. 182,409; Sept. 25.

CLASS 6.

Blue, Laundry. Reckitts (U. S. A.), Ltd. 162,137; Sept. 25.
Cream, brilliantine, freckle cream, rouge, etc., Lemon. J. Capian. 175,131; Sept. 25.
Creams, Toilet and vanishing. Davis & Lawrence. 181,821; Sept. 25.
Disinfectants, dyes, emulsion gelatin, etc. Röhm & Haas Aktiengesellschaft. 165,888; Sept. 25.
Hair dressing. A. J. Kleis. 177,444; Sept. 25.
Hair tonic. L. S. Beaver. 178,374; Sept. 25.
Hair tonic. F. V. Greco. 182,051; Sept. 25.
Hair tonic. Indiaroot Company. 181,896; Sept. 25.
Liniments. J. H. Webster. 182,081; Sept. 25.
Lotions and other pharmaceutical preparations. M. A. London. 164,441; Sept. 25.
Oil, Castor. Bartlett Corporation. 181,811; Sept. 25.
Ointment. National Physicians Supply Company. 162,846; Sept. 25.
Perfume, toilet water, talcum powder, cold cream, etc. Mills Brothers Company. 175,318; Sept. 25.
Perfumes. De Cameron, Inc. 178,963; Sept. 25.
Perfumes. De Cameron Inc. 178,965; Sept. 25.
Perfumes. De Cameron Inc. 178,968; Sept. 25.
Perfumes and toilet waters. P. Poiret. 178,467–8; Sept. 25.
Perfumes and toilet waters. Paul Prot & Cie. 170,081; Sept. 25.
Perfumes, face powder, toilet water, cold cream, etc. Barr Manufacturing Corporation. 176,107; Sept. 25.
Powder, rouge, sachet and talcum powder, etc., Face. Mills Brothers Company. 175,316; Sept. 25.
Powder, Talcum. Remiller Co. 181,866; Sept. 25.
Preparation for dandruff, eczema, and falling hair. J. G. Page. 180,294; Sept. 25.
Preparation for relieving dyspepsia, etc., Nonalcoholic. C. Linahan. 181,900; Sept. 25.
Preparation for the hair. Silger Laboratories. 181,869; Sept. 25.
Preparation for the prevention and treatment of obesity. Gotham Corporation. 181,887; Sept. 25.
Preparation for use in treating tonsilitis, sore throat, and for a laxative. R. B. Smith. 179,334; Sept. 25.
Remedies for gonorrhea. A. L. Curtis. 181,981; Sept. 25.
Remedy for piles, cold in the chest, etc. S. Y. C. O. Co. 180,241; Sept. 25.
Salt, Table. International Salt Company. 181,947–8; Sept. 25.
Spray solutions, Tree and plant. Sulpho-Napthol Company. 181,964; Sept. 25.
Toilet articles. Ger-Le Laboratories. 176,403; Sept. 25.

CLASS 8.

Pipes, cigar and cigarette holders, cases, boxes, etc. Gorham Manufacturing Company. 152,246; Sept. 25.

CLASS 13.

Doorchecks. No-Liquid Door Check Company. 183,225; Sept. 25.
Fastening devices. H. L. Fenno. 181,440; Sept. 25.
Nails. Carpenter-Dodge Company. 184,065; Sept. 25.
Rivets. Raybestos Company. 182,549; Sept. 25.
Screws, Wood. Continental Wood Screw Co. 184,280; Sept. 25.
Sink bibs, cocks, faucets, bath cocks, etc. Wolverine Brass Works. 182,783; Sept. 25.
Tubes, tube joints, pipes, etc. Mannesmannröhren-Werke. 163,689; Sept. 25.

CLASS 14.

Castings, Metal. Pacific Foundry Company. 183,850; Sept. 25.
Metals. Manganese Bronze and Brass Co. 178,051; Sept. 25.
Metals and alloys and ingots, castings, etc., Cast, drawn, rolled, etc. Anaconda Copper Mining Company. 177,208; Sept. 25.
Metals, Bearing. Super-Refined Metals Company. 183,420; Sept. 25.
Wire and rods, Welding. "Weldrite" Company. 162,524; Sept. 25.

CLASS 16.

Stains, paints, varnish, etc. S. C. Johnson & Son. 182,100; Sept. 25.

CLASS 17.

Cigars. Maria Cabrelli and Baldassare Mirabile. 182,293; Sept. 25.
Cigars. S. Rodriguez. 182,262; Sept. 25.
Cigars. S. Rodriguez. 182,264–5; Sept. 25.

CLASS 23.

Air-pressure systems for washing automobiles, etc., and parts of said systems. Gates Auto Laundry and Supply Company. 179,144; Sept. 25.
Bearings, Roller. Gilliam Manufacturing Company. 173,633; Sept. 25.
Clamps, vises, etc. J. H. Williams & Co. 160,220; Sept. 25.
Cranes. Colby Steel and Engineering Co. 157,759; Sept. 25.
Egg-beating apparatus. Whippo Manufacturing Company. 182,028; Sept. 25.
Elevators. Humphrey Elevator Co. 182,815; Sept. 25.
Engines and pumping outfits, Internal-combustion. Universal Motor Company. 171,144; Sept. 25.
Knives, forks, spoons, razors, scissors. Carl Wüsthof, Stahlwarenfabrik. 162,707; Sept. 25.

CLASS 25.

Locks and safes. Steelcraft Corporation of America. 179,889; Sept. 25.

CLASS 26.

Cameras. V. C. Ernst. 181,480; Sept. 25.
Eyeshades or visors. H. & A. Manufacturing Company. 182,052; Sept. 25.
Hydrometers. Taylor Instrument Companies. 163,834; Sept. 25.
Pictures reproduced in copies, Motion. J. C. Jessen. 181,950; Sept. 25.
Speedometers. Ac Spark Plug Company. 163,493; Sept. 25.
Thermometers. Taylor Instrument Companies. 163,836; Sept. 25.
Thermostatic temperature-regulating apparatus. Taylor Instrument Companies. 163,837–9; Sept. 25.

CLASS 32.

Rug sacks. F. Michelbach. 177,613; Sept. 25.

CLASS 33.

Glass, glare shields of glass, Window. Thoma & Son Inc. 182,188; Sept. 25.

CLASS 38.

Books, Completely printed. Alfred A. Knapf, Inc. 170,653; Sept. 25.
Calendars, almanacs, printed books, etc., Wall. Levey Printing Company. 173,506; Sept. 25.
Calendars, almanacs, printed books, etc., Wall. Levey Printing Company. 173,509; Sept. 25.
Cards, sheets, and folders, Greeting. O. W. Goodbar. 166,595; Sept. 25.
Cartoons, Series of. Bell Syndicate, Inc. 181,166; Sept. 25.
Labels, Adhesive printed. Industrial Engineering Research Co. 181,076; Sept. 25.
Newspapers, etc., Heading for a humor column syndicated to. E. A. Moss. 182,602; Sept. 25.
Periodical. Sutton & Darbyshire Incorporated. 182,020; Sept. 25.
Periodical, Monthly marine. Penton Publishing Company. 182,058; Sept. 25.
Periodicals, Monthly. Olympic Club. 181,206; Sept. 25.
Publication, Monthly. Modern Confectioner Publishing Company. 181,957; Sept. 25.
Publication on the correction of stammering. S. D. Robbins. 175,568; Sept. 25.
Publications. A. Bowyer. 181,669; Sept. 25.

CLASS 39.

Apparel, Articles of ladies'. I. Pachner & Son, Inc. 183,342; Sept. 25.
Coats, Sheepskin. Slands M'f'g. Co. 183,636; Sept. 25.
Corsets. J. L. Holt. 138,091; Sept. 25.
Corsets. F. P. Hoy, Inc. 182,307; Sept. 25.
Dresses, Young girls'. G. Killfeather. 183,157; Sept. 25, 1923.
Hats and caps, Ladies', misses', and children's. Fashion Hat Company. 182,373; Sept. 25.
Hosiery. Diamond Bros. 183,366; Sept. 25.
Hosiery. C. Iskowitz. 183,525; Sept. 25.
Hosiery. R. B. Lewis. 183,306; Sept. 25.
Hosiery. Nottaseme Hosiery Co. 173,104; Sept. 25.
Hosiery. Ritter Hosiery Company. 183,669; Sept. 25.
Hosiery. Vertex Hosiery Mills, Inc. 183,352; Sept. 25.
Neckties. C. Seidman. 183,763; Sept. 25.
Robes, dressing gowns, smoking jackets and negligees, Bath and lounging. Fischer-Jelinko Inc. 183,143; Sept. 25.
Shirts, Men's. Oriole Shirt Manufacturing Corporation. 183,160; Sept. 25.
Sweaters, bathing suits, mufflers, etc. Wonder-Knit Mills. 183,810; Sept. 25.
Sweaters, sweater coats, jackets, vests, etc. J. Hilborn. 181,565; Sept. 25.
Waists and underwear, Children's. Thos. P. Taylor Co. 183,506–7; Sept. 25.

CLASS 40.

Fringes, braids, tassels, cords. United Trimming Co. 169,460; Sept. 25.

CLASS 42.

Coatings in the piece, Bolivia. C. Bahusen & Co. 172,461–2; Sept. 25.
Cotton cloth and white shoe cloth, Backing or reenforcing. Peters Brothers Rubber Co. 167,098; Sept. 25.
Cotton-cloth piece goods. Leon Michael & Co. 177,136; Sept. 25.
Cotton piece goods. Brune, Pottberg & Co. 183,188; Sept. 25.
Cotton piece goods. Brune, Pottberg & Co. 183,191–2; Sept. 25.
Cotton piece goods. Doptoglou Bros. of New York. 177,079; Sept. 25.
Cotton piece goods. W. Harris Thurston & Co. 183,423; Sept. 25.
Cotton piece goods, linen piece goods, and toweling. Carl Company. 181,813; Sept. 25.
Dry goods. Farley Harvey Company. 183,205; Sept. 25.
Hair nets. L. Trotsky. 182,452; Sept. 25.
Laces, handkerchiefs, embroideries, etc. Nottingham Lace Works. 179,317; Sept. 25.
Linen piece goods. J. A. Finn & Company. 183,207; Sept. 25.
Piece goods of wool, cotton, silk, linen, and mixtures. Cohn Goldwater Company. 182,567; Sept. 25.
Rugs, Chenille. Firth Carpet Company. 183,142; Sept. 25.
Silk and satin piece goods. McLane Silk Company. 183,221; Sept. 25.
Silk, cotton, and a mixture of silk and cotton piece goods. A. S. Rosenthal Company. 182,933; Sept. 25.
Silk in the piece, Artificial. R. H. Macy & Co. 182,314; Sept. 25.
Silk piece goods. Duplan Silk Corporation. 183,262; Sept. 25.
Silk piece goods. Empire Silk Company. 181,177; Sept. 25.
Textile fabrics. International Worsted Mills. 183,214; Sept. 25.
Textile fabrics. Schweiz Decken- und Tuchfabriken Pfungen-Turbenthal. 181,571; Sept. 25.
Textile fabrics, foulards, etc., Dyed and printed. United Piece Dye Works. 177,152; Sept. 25.
Ticking. P. R. Mitchell Co. 178,931; Sept. 25.

CLASS 43.

Threads and yarns. Gruber Yarn Corporation. 181,744; Sept. 25.
Yarns, Cotton. John F. Street & Co. 184,152; Sept. 25.

CLASS 46.

Alimentary products and pastes, spaghetti, etc. W. S. Creed. 178,494; Sept. 25.
Bacon. Barrington Packing Co. 168,749; Sept. 25.
Biscuits, crackers, cookies, and cakes. National Biscuit Company. 181,044; Sept. 25.
Bread. Indian Village Bakery. 156,579; Sept. 25.
Bread. W. H. Wildmaier. 175,587; Sept. 25.
Bread. D. P. Woolley. 181,360; Sept. 25.
Bread. D. P. Woolley. 181,363–4; Sept. 25.
Bread. D. P. Woolley. 181,367; Sept. 25.
Bread. D. P. Woolley. 181,369; Sept. 25.
Butter. Nickel & Drummey. 178,624; Sept. 25.
Butter and eggs. James Van Dyk Co. 168,566; Sept. 25.
Candles. M. M. Diffenbacher. 158,113; Sept. 25.
Candles. F. M. Switzer. 168,738; Sept. 25.
Candies and chocolates. Park & Tilford. 182,438; Sept. 25.
Candy. Beaux-Arts Candy Company. 181,002–3; Sept. 25.
Candy. Capital Candy & Cracker Company. 163,969; Sept. 25.
Candy. Consumers Biscuit Company. 176,164; Sept. 25.
Candy. Harris Woodson Co. 180,216; Sept. 25.
Candy. Wm. H. Luden Inc. 180,542; Sept. 25.
Candy. Pacific Coast Biscuit Company. 164,189; Sept. 25.
Candy. F. K. Underwood. 170,959; Sept. 25.
Candy. A. R. Walker Candy Corporation. 179,074; Sept. 25.
Candy. Zucnutkandy Company. 181,969; Sept. 25.
Candy, Pop-corn. Shotwell Mfg. Co. 181,416; Sept. 25.
Canned and dried fruits. United States Products Corporation. 166,331; Sept. 25.
Canned chili tomato sauce. Colonial Packing Co. 180,965; Sept. 25.
Canned corn. Illinois Canning Company. 181,895; Sept. 25.
Canned fish. Reid, Murdoch & Co. 167,828; Sept. 25.
Canned fish, fruits, and vegetables. J. S. Hume. 179,941; Sept. 25.
Canned fruit and vegetables, jams, etc. California Preserving Company. 180,518; Sept. 25.
Canned fruits. Sussman, Wormser & Co. 181,575; Sept. 25.
Canned fruits and vegetables. Free & Klinck, Inc. 181,019; Sept. 25.
Canned olive oil, fruits, and vegetables. Michele Ajello Co. 179,127; Sept. 25.
Canned salmon. Bankers Discount Association. 180,830; Sept. 25.
Canned sardines. Irwin-Harrisons & Crosfield, Inc. 181,567; Sept. 25.
Canned shrimp. W. A. Genant. 160,409; Sept. 25.
Canned tomatoes. G. W. Cowles. 180,752; Sept. 25.
Canned vegetables. Illinois Canning Company. 181,894; Sept. 25.
Canned vegetables and fruits. W. H. Pride & Co. 182,672; Sept. 25.
Canned vegetables and fruits, preserved fruits, etc. See-Moon & Company. 164,271; Sept. 25.
Cantaloupes, fresh fruits and vegetables. Imperial Distributing Co. 164,916; Sept. 25.
Cereal and in cooked foods, Preparation for use as a breakfast. F. C. Hopper. 180,863; Sept. 25.
Cereals, Breakfast. Walton Milling Company. 142,369; Sept. 25.
Chocolate fruit and nut roll, Milk-. Metro Chocolate Co. 179,050; Sept. 25.
Chocolates. Bunte Brothers. 160,385; Sept. 25.
Cocoa beans and butter, coffees, spices, etc. Daarnhouwer & Co. 165,487; Sept. 25.
Coffee. Abraham & Straus, Inc. 182,281; Sept. 25.
Coffee. Burton Coffee Company. 181,554; Sept. 25.
Coffee. Cauchois Coffee Company. 181,011; Sept. 25.
Coffee. Plunkett-Jarrell Grocer Co. 180,888; Sept. 25.
Coffee. Wm. T. Reynolds & Co. 178,287; Sept. 25.
Coffee, Package and canned. Burton Coffee Company. 181,556; Sept. 25.
Coffee, spices, olive oil, etc. James Van Dyk Co. 168,565; Sept. 25.
Coffee substitute. James Van Dyk Co. 180,457; Sept. 25.
Cookies. Mama Cookie Bakery. 181,758; Sept. 25.
Cookies, crackers, cakes, and biscuits. Johnson Educator Food Company. 141,577; Sept. 25.
Cookies, crackers, cakes, and biscuits. Johnson Educator Food Company. 141,580; Sept. 25.
Cookies, crackers, cakes, and biscuits. Johnson Educator Food Company. 141,583; Sept. 25.
Cookies, crackers, cakes, and biscuits. Johnson Educator Food Company. 141,586–7; Sept. 25.
Crackers and biscuit. F. L. Jones Co. 117,980; Sept. 25.
Cranberries, Fresh. Grayland Cranberry Growers. 171,316. Sept. 25.
Dairy and food products. James Van Dyk Co. 172,623; Sept. 25.
Doughnuts filled with jelly. F. L. Balbo. 146,063; Sept. 25.
Feed, Poultry. Wonderlay Milling Company. 177,343; Sept. 25.
Feed, Poultry and stock. Nickel Plate Elevator Company. 181,086; Sept. 25.
Fish preserved in oil, canned vegetables, rice, etc. R. Mortorelli. 168,726; Sept. 25.
Flavoring extract for foods. Florasynth Laboratories. 179,191; Sept. 25.
Flour. Maltana Company. 164,253; Sept. 25.
Flour. C. O. Sandefur. 180,302–3; Sept. 25.
Flour, corn meal, and bread, Wheat and rye. Nature's Own Food Co. 158,090; Sept. 25.
Flour, meal, farina, etc. Naamlooze Vennootschap Industrieele Maatschappij v/h Noury & Van Der Lande. 157,846; Sept. 25.
Flour, oleomargarine, tapioca, etc., Wheat. Northern Jobbing Company. 171,034; Sept. 25.

Flour, Pancake. Pokodot Cereal Company. 181,310; Sept. 25.
Flour Pancake and buckwheat. Hite Brothers. 181,342; Sept. 25.
Flour, Wheat. Bill, Bell & Co. 179,178; Sept. 25.
Flour, Wheat. D. Diamond. 180,967; Sept. 25.
Flour, Wheat. Frontier Elevator & Mill Co. 180,276; Sept. 25.
Flour, Wheat. Joliet Flour Mills Company. 173,085; Sept. 25.
Flour, Wheat. Louisville Milling Co. 180,288–9; Sept. 25.
Flour, Wheat. Southwestern Milling Company. 181,458–63; Sept. 25.
Flour, Wheat. Texas Star Flour Mills. 180,631; Sept. 25.
Flour, Wheat. Washburn-Crosby Company. 181,468; Sept. 25.
Food, Cracked cereal. C. O. Sandefur. 180,298–9; Sept. 25.
Food mixture. Snow & Palmer Co. 171,107; Sept. 25.
Food, Poultry. Jameson-Hevener Company. 176,346; Sept. 25.
Food product. Schor & Roberts. 176,695; Sept. 25.
Fruits, Citrous. Gold Buckle Association. 173,643; Sept. 25.
Fruits, dried. Gile & Jenks. 180,858; Sept. 25.
Fruits, Fresh citrous. A. G. Maddock. 178,854; Sept. 25.
Fruits, Fresh citrous. Chas. C. Oyler & Son. 179,482; Sept. 25.
Fudge bars or rolls. R. W. Lovering. 181,837; Sept. 25.
Grapes, Fresh. C. Anderson. 182,898; Sept. 25.
Honey. Long Island Packing Co. 180,709; Sept. 25.
Ice cream. Bittersweet Products Corporation. 180,579; Sept. 25.
Jellies. Doubrava & Morris. 172,588; Sept. 25.
Lollypops. Popsicle Corporation. 181,614; Sept. 25.
Macaroni. Fortune Products Company. 181,884; Sept. 25.
Macaroni, spaghetti, noodles, etc. Liberty Macaroni Manufacturing Co. 176,745; Sept. 25.
Malt extract for food purposes. O. Thoma. 179,240; Sept. 25.
Mayonnaise dressing, peanut butter, cocoa, etc. Champlain Valley Fruit Co. 178,713; Sept. 25.
Oats, corn meal, wheat flour, rye flour, etc., Rolled. Quaker Oats Company. 181,647; Sept. 25.
Oats, split peas, hominy, farina, etc., Rolled. Albers Bros. Milling Co. 175,753; Sept. 25.
Oil, Olive. Joseph Petrocelli & Co. 169,181; Sept. 25.
Oranges, Preserved. G. B. Raffetto, Inc. 181,412; Sept. 25.
Poultry and eggs, Live. J. W. Parks. 166,092; Sept. 25.
Pretzels. D. F. Stauffer Biscuit Co. 180,903; Sept. 25;
Rusk. H. Diederich. 180,110; Sept. 25.
Sausage, bacon, lard, and lard compound. E. Kahn's Sons Company. 182,153; Sept. 25.
Semolina. Star & Crescent Milling Co. 180,308; Sept. 25.
Shrimp, Dried. Blum & Bergeron. 181,167; Sept. 25.
Sirup, Table. A. M. Stouffer. 178,300; Sept. 25.
Soups, and preparations for making soups. Oxo, Limited. 157,898; Sept. 25.
Spices, coffee, etc. Kaupke Coffee Company. 163,337; Sept. 25.
Tamales. E. J. Koppe. 179,154; Sept. 25.
Vinegars. Duffy-Mott Company. 165,068; Sept. 25.
Watermelons. Wm. S. Sweet & Son, Inc. 180,507; Sept. 25
Watermelons. Wm. S. Sweet & Son, Inc. 180,563; Sept. 25.
Wheat and a mixture of wheat and bran flour, Rolled. Quaker Oats Company. 170,215; Sept. 25.

ALPHABETICAL LIST OF PATENTEES

TO WHOM

PATENTS WERE ISSUED ON THE 25TH DAY OF SEPTEMBER, 1923.

NOTE.—Arranged in accordance with the first significant character or word of the name (in accordance with city and telephone directory practice). **Includes patents, reissues, and designs.**

Abbott, Hugh, Hill City, S. Dak. Regulating mechanism for compressors. 1,468,987; Sept. 25.

Abraham, Clinton D., and G. L. Schwartz, assignors to E. I. du Pont de Nemours & Company, Wilmington, Del. Wearing apparel impervious to acids and poisonous gases and making same. 1,468,791; Sept. 25.

Abraham, Edward C., Alameda, Calif. Window ventilator. 1,469,137; Sept. 25.

Acquaviva, Domenick, New York, N. Y. Percolator. 1,469,139; Sept. 25.

Adams, Arthur H., Galion, Ohio. Telephone-exchange system. 1,468,853; Sept. 25.

Adams, Charles, jr., Weehawken, N. J. Dry-pipe valve. 1,468,619; Sept. 25.

Addy, John E., Winterset, Iowa. Hose elevating and supporting device. 1,468,620; Sept. 25.

Adler, Alfons P., Clifton, N. J. Fork. Des. 63,047; Sept. 25.

Affel, Herman A., Brooklyn, N. Y., assignor to American Telephone and Telegraph Company. Transmission regulation. 1,468,687; Sept. 25.

Airtite Decoy Company. (See Moore, George H., assignor.)

Ajax Manufacturing Company, The. (See Blakeslee, John R., assignor.)

Alford, Robert, Lenoir City, Tenn. Engine piston. 1,468,621; Sept. 25.

Allan, Ronald G., Brisbane, Queensland, Australia. Silencer for use in connection with internal-combustion engines. 1,468,895; Sept. 25.

American Bosch Magneto Corporation. (See Rosner, Adolph, assignor.)

American Can Company. (See Hunter, Felix, assignor.)

American Cartridge Company. (See Sherman, Harry E. and L. A., assignors.)

American District Steam Company. (See Barnes, Eugene L., assignor.)

American Emblem Company. (See Wenigman, Carl B., assignor.)

American Hand Brake Company. (See Anderson, Harley E., assignor.)

American Telephone and Telegraph Company. (See Affel, Herman A., assignor.)

American Telephone and Telegraph Company. (See Hamilton, Harold S., assignor.)

American Wood Rim Company. (See Snyder, O. K., assignor.)

Andersen, Aage F., Rolfe, Iowa. Salvage apparatus for raising sunken vessels. 1,468,622; Sept. 25.

Anderson, Edward C. (See La Grandeur, A. J., and Anderson.)

Anderson, Francis V., Racine, Wis. Tire tool. 1,469,138; Sept. 25.

Anderson, Harley E., assignor, by mesne assignments, to American Hand Brake Company, Chicago, Ill. Brake-operating mechanism. 1,468,691; Sept. 25.

Anglim, Thomas H., Dunkirk, N. Y. Method and apparatus for pasteurizing milk. 1,468,871; Sept. 25.

Anspach, Charles, Brownlee, Nebr. Folding egg crate. 1,468,936; Sept. 25.

Anthony Company. (See Anthony, William C., assignor.)

Anthony, William C., assignor to Anthony Company, Streator, Ill. Body scoop. 1,468,951; Sept. 25.

Anthony, William C., assignor to Anthony Company, Streator, Ill. Rocker dumping body. Re15,690; Sept. 25.

Anyway Sweeper Manufacturing Company. (See Cohen, Harry, assignor.)

Armstrong, Percy A. E., Loudonville, assignor to Ludlum Steel Company, Watervliet, N. Y. Alloy steel and articles made therefrom. 1,468,937; Sept. 25.

Arnold, Edwin E., assignor to Rees Manufacturing Company, Pittsburgh, Pa. Jack handle. 1,468,771; Sept. 25.

Austin, Charles L., jr., Brooklyn, N. Y. Internal-combustion engine. 1,469,031; Sept. 25.

Bacharach, Herman, Pittsburgh, Pa., assignor to Bacharach Industrial Instrument Company. Pressure gauge. 1,468,854; Sept. 25.

Bacharach Industrial Instrument Company. (See Bacharach, Herman, assignor.)

Badcock, Fred, assignor of one-half to R. W. H. Kane, London, England. Implement for truing crank pins and effecting like operations. 1,468,952; Sept. 25.

Badische Anilin & Soda Fabrik. (See Luttringhaus, A., and Blangey, assignors.)

Balsden, Edward J., New York, N. Y. Pump. 1,469,140; Sept. 25.

Baker, John C., Nutley, N. J. Bleaching paper pulp. 1,468,693; Sept. 25.

Baker, John F. L., assignor to The Wickes Boiler Company, Saginaw, Mich. Making boiler headers. 1,468,692; Sept. 25.

Balch, Alfred T., assignor to H. F. Crawford Manufacturing Company, Brockton, Mass. Shank stiffener for shoe soles. 1,468,855; Sept. 25.

Balch, Alfred T., assignor to H. F. Crawford Manufacturing Company, Brockton, Mass. Shank stiffener for shoe soles. 1,468,856; Sept. 25.

Ballard, Harrie A., assignor to General Shoe Machinery Company, Boston, Mass. Shoe-tree. 1,469,171; Sept. 25.

Barker, Edwin R., South Bend, Ind. Timer. 1,469,032; Sept. 25.

Barker, Walter M., Portland, Oreg. Reversing mechanism for reciprocating members. 1,468,896; Sept. 25.

Barnes, Edward A., assignor to California Cap Company, Oakland, Calif. Recovering oxalic acid. 1,468,792; Sept. 25.

Barnes, Eugene L., Buffalo, assignor to American District Steam Company, North Tonawanda, N. Y. Fuel-stoking structure. 1,469,172; Sept. 25.

Bartram, Edward E., Los Angeles, Calif. Top. 1,469,151; Sept. 25.

Bäsecler, Wolfgang, Lichtenchain (Schwarzburg-Rudolstadt), assignor to the Firm of Deutsch-Luxemburgische Bergwerks- und Hutten-Aktiengesellschaft, Dortmund, Germany. Double compound of railway lines. 1,469,145; Sept. 25.

Bassick Manufacturing Company. (See Bradbury, Clifford C., assignor.)

Battle Creek Bread Wrapping Machine Co. (See Brownell, Charles O., assignor.)

Beaupré, John P., Butte, Mont., assignor of one-third to G. E. Smiley, La Junta, Colo., and one-third to P. E. Beaupré, Butte, Mont. Pump. 1,468,897; Sept. 25.

Beaupré, Phillip E., et al. (See Beaupré, John P., assignor.)

Bell, Frederick J. T. and H. C., Ashton-under-Lyne, England. Rotary lock-stitch sewing machine. 1,469,066; Sept. 25.

Bell, Hardy C. (See Bell, Frederick J. T. and H. C.)

Bendix, Vincent, Chicago, Ill. Engine starter. 1,468,623; Sept. 25.

Benjam Electric Manufacturing Company. (See Benjamin, Reuben B., assignor.)

Benjamin, Reuben B., assignor to Benjam Electric Manufacturing Company, Chicago, Ill. Electric-lighting device. 1,469,034; Sept. 25.

Bennett, Jack T., Glasgow, Scotland. Device for use with beds. 1,468,624; Sept. 25.

Bennett, John C., et al. (See Haubert, Leo, assignor.)

Berg, Andrew, assignor to The Coulter & McKenzie Machine Company, Bridgeport, Conn. Wire-chain-making machines. 1,469,173; Sept. 25.

Bergman, Edward, assignor to C. Brandes, Inc., New York, N. Y. Winding chuck. 1,468,625; Sept. 25.

Berthelot, Charles, Paris, France. Utilizing gases containing hydrogen sulphite in the separation of metals. 1,468,988; Sept. 25.

Beskow, Bernhard M., Miami Beach, Fla. Folding chair. 1,468,872; Sept. 25.

Beesey, James A., jr., Marcellus, N. Y. Switch for controlling ignition circuits. 1,468,793; Sept. 25.

Betts, Louis J., Warren, Pa. Traffic marker. 1,469,146; Sept. 25.

Bird, Clement K., and H. B. Washburn, St. Paul, Minn. Apparatus for correcting malocclusion. 1,468,731; Sept. 25.

Bird Machine Company. (See Clarke, Ralph S., assignor.)

Bird, Peter E., Jenkintown, Pa. Razor sharpener. 1,469,147; Sept. 25.

Bixby, Walter. (See Hathaway, E. F., and Bixby.)

Black, Roe, Gem, Nebr. Process and apparatus for dispensing liquids. 1,468,989; Sept. 25.

Blakeslee, John R., assignor to The Ajax Manufacturing Company, Cleveland, Ohio. Drop hammer. 1,468,953; Sept. 25.

Blakeslee, John R., Cleveland, Ohio. Making spherical articles. 1,469,174; Sept. 25.

Blangey, Louis. (See Luttringhaus, A., and Blangey.)

Bleecker, Warren F., assignor to The Tungsten Products Company, Boulder, Colo. Electric furnace. 1,469,033; Sept. 25.

Bleloch, William E. (See Stockman, Harry A., assignor.)

Blodgett, John F., Holland, Mass. Gear construction. 1,468,794; Sept. 25.

Blomster, Albert G., San Diego, Calif. Smoking pipe. 1,468,795; Sept. 25.

versal Motor Company. 171,144; Sept. 25.

Bloomquist, Bernhardt W., Seattle, Wash. Vertical-control device for airplanes. 1,468,772; Sept. 25.

Blublaze Motor Specialties Corp. (See Shearer, Vance, assignor.)

Boesche, Charles R. (See Mitchell, C. F., and Boesche.)

Bond, Joseph W., Philadelphia, Pa., assignor to Underwood Typewriter Company, New York, N. Y. Typewriting machine. 1,468,773; Sept. 25.

Bonom, Alfred, Paterson, N. J. Flexible and insulating, supporting, and reenforcing rings for crown blades of turbines. 1,468,694; Sept. 25.

Børresen, Adolf H., Mjondalen, and K. Holter, Skolen, near Christiania, Norway. Water-supplying device for pulp-screening machines. 1,468,695; Sept. 25.

Boss, John C., Elkhart, Ind. Apparatus for drying brick and other clay articles. 1,468,990; Sept. 25.

Bost, William D., Los Angeles, H. M. Miller, South Pasadena, and G. W. Garwood, El Monte, assignors to National Peeling Machine Company, Los Angeles, Calif. Apparatus for peeling fruits and vegetables. 1,468,873; Sept. 25.

Boumphrey, Geoffrey M., Baycliffe, Lymm, England. Sound-reproducing machine. 1,469,152; Sept. 25.

Bourcet, Paul. (See Chevalier, J. M. A., Bourcet, and Regnault.)

Bowen, Robert A., Spokane, Wash. Box-car door. 1,468,796; Sept. 25.

Bradbury, Clifford C., Oak Park, assignor to Bassick Manufacturing Company, Chicago, Ill. Coupling. 1,468,732; Sept. 25.

Bradley, Seymour M., assignor to The English & Mersick Co., New Haven, Conn. Latch for vehicle doors. 1,468,954; Sept. 25.

Brandes, C., Inc. (See Bergman, Edward, assignor.)

Bray, William J., San Francisco, Calif., assignor to Schmidt Lithograph Company. Fruit-box blank. 1,468,696; Sept. 25.

Bredannaz, Alphonse F., Toronto, Ontario, Canada. Knitting machine. 1,468,697; Sept. 25.

Brennan, William J., Swampscott, assignor to Coin Sorting and Counting Company, Boston, Mass. Device for operating upon coins. 1,468,874; Sept. 25.

Bresee, Wright H., Los Angeles, Calif. Keyhole guard. 1,468,935; Sept. 25.

Brierton, Benjamin E., and J. H. Tinder, Birmingham, Ala. Optometrical method and instrument. 1,468,797; Sept. 25.

Broadmeyer, Albert, assignor to The W. O. Hickok Mfg. Co., Harrisburg, Pa. Paper-ruling mechanism. 1,468,798; Sept. 25.

Brooks, Thomas O., Dallas, Tex., and A. H. Buck, Kansas City, Mo. Service structure. 1,468,956; Sept. 25.

Broquier, Pablo. (See Emery, Gustav H., assignor.)

Brownand, Benjamin T., Cleveland, Ohio. Milling cutter. 1,468,857; Sept. 25.

Brown & Bigelow. (See Welcker, Paul H., assignor.)

Brown, Charles T. (See King, Melbert, assignor.)

Brown Lipe Chapin Company. (See Ormsby, Donald D., assignor.)

Brownell, Charles O., assignor to Battle Creek Bread Wrapping Machine Co., Battle Creek, Mich. Wrapping machine. 1,468,626; Sept. 25.

Brownell, Leigh E., St. Paul, Minn., assignor, by mesne assignments, to Brownell Wildfire Battery Co. Inc. Composition of matter. 1,468,957; Sept. 25.

Brownell Wildfire Battery Co. (See Brownell, Leigh E., assignor.)

Buck, Albert H. (See Brooks, T. O., and Buck.)

Buckeye Iron and Brass Works. (See Trace, Russell A., assignor.)

Buckeye Traction Ditcher Company, The. (See Krupp, Lee A., assignor.)

Burnes, Henry A., assignor to Shawmut Engineering Company, Boston, Mass. Tube frame. 1,469,175; Sept. 25.

Busch, George A., and W. Schmidt, Louisville, Ky. Waistband for trousers. 1,468,799; Sept. 25.

Butler, Clyde G., Dayton, Ohio. Lubricating shackle bolt. 1,468,656; Sept. 25.

Butner, John C., Greenville, N. C. Messenger's portable safe. 1,468,991; Sept. 25.

Caldwell, Harry J., assignor to The Ingersoll Milling Machine Company, Rockford, Ill. Inserted-tooth cutter. 1,468,774; Sept. 25.

California Cap Company. (See Barnes, Edward A., assignor.)

Candler, James H., Detroit, Mich. Skylight. 1,468,898; Sept. 25.

Cantelo, John S., Boston, Mass. Rack for boots, shoes, and the like. 1,468,800; Sept. 25.

Caproni, Federico, Milan, Italy. Flying machine. Re15,688; Sept. 25.

Caramore, Anthony C., Jamaica, N. Y. Swimmer's emergency aid. 1,468,938; Sept. 25.

Carris, Edward C., and V. F. Eppel, Washington, Iowa; said Carris assignor to said Eppel. Radiator-holding machine. 1,469,176; Sept. 25.

Cary-Curr, Henry J., assignor to E. H. Sargent & Company, Chicago, Ill. Extraction apparatus. 1,468,961; Sept. 25.

Cashiko Machine Company. (See Kovar, J. H., Schimek, and Cavedon, assignors.)

Cavedon, Alexander. (See Kovar, J. H., Schimek, and Cavedon.)

Celluloid Company, The. (See Lindsay, William G., assignor.)

Champion, Raymond W., Philadelphia, Pa. Weather seal for thresholds. 1,468,958; Sept. 25.

Chase, George C., South Orange, N. J., assignor to Monroe Calculating Machine Company, New York, N. Y. Calculating machine. 1,468,992; Sept. 25.

Chenard, Emile A. R., deceased, by J. A. Chenard, executor, Bordeaux, France. Fractional distilling apparatus. 1,468,899; Sept. 25.

Chenard, Jean A., executor. (See Chenard, Emile A. R.)

Chevalier, Joseph M. A., Versailles, P. Bourcet, and H. Regnault, Paris, France. Carburant for alcohol. 1,469,148; Sept. 25.

Chicago Vitreous Enamel Product Company. (See Hogenson, William, assignor.)

Chopin, Marcel, Nancy, assignor to himself and Societe d'Entreprise Meuniere, Paris, France. Process and apparatus for measuring the elastic properties of plastic materials, farinaceous pastes, and the like. 1,468,900; Sept. 25.

Christian, Archie L., Beaver City, Nebr. Curtain holder for doors of automobiles. 1,468,657; Sept. 25.

Church, Harold D., assignor to Packard Motor Car Company, Detroit, Mich. Hydrocarbon motor. 1,469,149; Sept. 25.

Church, Mary M., executrix. (See Church, Walter F.)

Church, Walter F., deceased, Greeley, Colo.; M. M. Church, executrix. Window shade. 1,469,150; Sept. 25.

Clapp, Albert L., Danvers, Mass. Waterproof paperboard. 1,468,959; Sept. 25.

Clark, Newell H., New Richmond, Ohio. Automatic spark-advancing device. 1,468,801; Sept. 25.

Clarke, Ralph S., Walpole, Mass., assignor to Bird Machine Company. Rotary screen for paper-making machines. 1,468,875; Sept. 25.

Coates, Frederick, assignor to Federal Products Company, Cincinnati, Ohio. Container top. 1,469,067; Sept. 25.

Cohen, Harry, Brooklyn, N. Y., assignor to Anyway Sweeper Manufacturing Company, Inc. Adjustable lock joint. 1,468,659; Sept. 25.

Cohen, Morris. (See Leibow, D., and Cohen.)

Coin Sorting and Counting Company. (See Brennan, William J., assignor.)

Coleman, Thomas E., Madison, Wis. Distributor for lubricators. 1,468,802; Sept. 25.

Colombino, Rino, Turin, Italy. Wind screen for motor vehicles. 1,469,071; Sept. 25.

Colsman, Carl, Werdohl, Germany. Sheet-metal receptacle. 1,468,877; Sept. 25.

Columbia Graphophone Manufacturing Company. (See Roberts, Theodore C., assignor.)

Comstock, Jackson D., and I. E. Fair, Chester, W. Va. Tire tread. Des. 63,048; Sept. 25.

Constructions Electriques de Belgique, Societe Anonyme. (See Piper, Henri, assignor.)

Contant, William A., assignor to F. B. Pease Company, Rochester, N. Y. Inspection table. 1,468,803; Sept. 25.

Contant, William A., assignor to F. B. Pease Company, Rochester, N. Y. Sorting apparatus. 1,468,804; Sept. 25.

Converse, Atherton D., Winchendon, Mass. Toy. 1,468,993; Sept. 25.

Cook, Frank B., Company. (See Sands, Roy G., assignor.)

Cook, John, Ridgewood, N. J., assignor to Cornish Wire Company, Incorporated, New York, N. Y. Spooled wire. 1,468,994; Sept. 25.

Cooper, Oakley F., Logan, Ohio. Cutter. 1,469,153; Sept. 25.

Corcoran, Thos. J., Lamp Company, The. (See Kuen, Eugene A., assignor.)

Cornish Wire Company. (See Cook, John, assignor.)

Cortese, Sam, Dunsmuir, Calif. Sewing implement for leather goods. 1,468,698; Sept. 25.

Cottam, John B., Montecito, Calif. Ventilating gate for beehives. 1,468,995; Sept. 25.

Coulter & McKenzie Machine Company, The. (See Berg, Andrew, assignor.)

Cox, George H., Loughborough, England. Method and process of producing fabrications in imitation of wood, ivory, and other grained or figured materials or substances. 1,469,035; Sept. 25.

Crantz, Alfred J., Denver, Colo. Lady's hatbox. 1,468,658; Sept. 25.

Crawford, H. F., Manufacturing Company. (See Balch, Alfred T., assignor.)

Crowell, Frank S., assignor to Edward N. Riddle Co., Toledo, Ohio. Bracket for lighting fixtures. Des. 63,049; Sept. 25.

Crupi, Frank J., assignor to Herman Behr & Co., Inc., Brooklyn, N. Y. Making abrasive articles of manufacture and product. 1,468,960; Sept. 25.

Cruver Manufacturing Company. (See Madle, Frank, assignor.)

Cunningham, John P., Milwaukee, Wis. Clothesline holder. 1,468,699; Sept. 25.

Curran, Edward T., Detroit, Mich. Spark plug. 1,468,858; Sept. 25.

Cushion Handle Bar Co., The. (See Rosen, Meyer, assignor.)

Cutler-Hammer Mfg. Co., The. (See Horton, Albert J., assignor.)

Danbel, Ignatz, Chicago, Ill. Stove. 1,468,859; Sept. 25.

Daniels, Abe I. (See Oppman, Joseph, assignor.)

D'Arcy, Harry J., Los Angeles, Calif. Fertilizer-spraying device. 1,469,065; Sept. 25.

Darrah, William A., assignor to The Ekco Engineering Company, Chicago, Ill. Preparing dough. 1,468,775; Sept. 25.

Date, John H. (See Patten, C. C., Date, and Madigan.)

Daum, George W. (See Lewis, S. G., and Daum.)

Davidson, John, Burton-on-Trent, England. Internal-combustion engine. 1,468,962; Sept. 25.

Davis, Arthur P., Brooklyn, N. Y. Signaling system. 1,468,660; Sept. 25.

Davison, George F., assignor of one-half to D. Riordan, La Salle, Ill. Drinking vessel. 1,469,036; Sept. 25.

Davison, James T., Westfield, Mass. Belt cutting and trimming machine. 1,469,154; Sept. 25.

Day, Thomas M., Windfall, Ind. Door check. 1,468,700; Sept. 25.

Deer, A. J., Company, The. (See Hand, E. A., and Wygant, assignors.)

Deshaies, Come, Central Falls, R. I. Twisting frame. 1,468,996; Sept. 25.

Despard, Victor R., Hinsdale, Ill., assignor, by mesne assignments, to McGill Manufacturing Company, Valparaiso, Ind. Switch mechanism. 1,468,701; Sept. 25.

Despard, Victor R., Hinsdale, Ill., assignor, by mesne assignments, to McGill Manufacturing Company, Valparaiso, Ind. Socket and shell cap fastening. 1,469,037; Sept. 25.

Detroit Vapor Stove Company. (See Meadows, Albert, assignor.)

Detroit Vapor Stove Company. (See Sherman, Alvin G., assignor.)

Deutsch-Luxembergische Bergwerks- und Hutten-Aktien-gesellschaft. (See Bäseler, Wolfgang, assignor.)

Dickens, John W., Fort Wayne, Ind. Artificial fish bait. 1,468,627; Sept. 25.

Dillon, John J., Sault Ste. Marie, Ontario, Canada. Automatic railway-switch stand. 1,468,997; Sept. 25.

Dodson, Walter L., Edna, Tex. Clipper. 1,469,072; Sept. 25.

Dolan, John, Dayton, Ohio. Water tower and the like. 1,468,998; Sept. 25.

Doll, William, St. Louis, Mo. Air-hose cabinet. 1,468,776; Sept. 25.

Dollin, Edgar N., Syracuse, N. Y. Diecasting machine. 1,469,073; Sept. 25.

Dollin, Edgar N., Syracuse, N. Y. Fluid pressure control mechanism. 1,469,074; Sept. 25.

Donald, John A., Wilkinsburg, Pa. Device for handling packages. 1,468,878; Sept. 25.

Donnellan, Edward P., assignor to Standard-Johnson Co., Inc., Brooklyn, N. Y. Counting mechanism. 1,468,733; Sept. 25.

Doskow, Samuel, New York, N. Y. Dental attachment for removable bridges and clasp dentures. 1,469,177; Sept. 25.

Dubilier Condenser and Radio Corporation. (See Tuska, Clarence D., assignor.)

Dubois, Jean. (See Mullard, E., Valenducq, and Dubois.)

Dunbar, William P., Comstock, Nebr. Hoe. 1,468,628; Sept. 25.

Dunham Harry E., Schenectady, N. Y., assignor to General Electric Company. Electron-discharge apparatus. 1,469,075; Sept. 25.

Dunn, Harry E., assignor to W. E. Dunn Manufacturing Company, Holland, Mich. Form for concrete structures. 1,468,702; Sept. 25.

Dunn, W. E., Manufacturing Company. (See Dunn, Harry E., assignor.)

Dunning, J. H., Corporation. (See Strange, Edwin B., assignor.)

Du Pont, E. I., de Nemours & Company. (See Abraham, C. D., and Schwartz, assignors.)

Du Pont, E. I., de Nemours & Company. (See Kirkpatrick, Littleton, assignor.)

Dwyer, Francis P., Philadelphia, Pa. Shopping and traveling bag. 1,468,711; Sept. 25.

Eastman Kodak Company. (See Kingsbury, Edwin F., assignor.)

Edwards, Samuel M., Detroit, Mich. Tool for removing and replacing valve guides. 1,468,777; Sept. 25.

Ehrhart, Raymond N., Edgewood, Pa. Feed-water heater. 1,469,068; Sept. 25.

Ekco Engineering Company, The. (See Darrah, William A., assignor.)

Electric Heating Corporation. (See Macy, Barnett W., assignor.)

Elliott, Alvin C., Grand Forks, N. Dak. Level. 1,468,688; Sept. 25.

Elliott, Lloyd L., et al. (See Hughes, Cora E., assignor.)

Ellis, Carleton, Montclair, N. J., assignor, by mesne assignments, to Surface Combustion, Inc., Wilmington, Del. Apparatus for supplying heat. 1,469,178; Sept. 25.

Emerson, Victor H., New York, N. Y. Protector for phonograph records. 1,468,879; Sept. 25.

Emery, Gustav H., Washington, D. C., assignor to Pablo Broquier, Madrid, Spain. Refrigerating apparatus. 1,468,999; Sept. 25.

Emett, Arthur, Birmingham, England. Sound-damping mechanism. 1,469,141; Sept. 25.

Endres, Lawrence M. and M. A., Dane, Wis. Splash lubricating system. 1,468,778; Sept. 25.

Endres, Michael A. (See Endres, Lawrence M. and M. A.)

Enfield Cycle Company Limited, The. (See Smith, Robert W., assignor.)

Engle, Warren G., Philadelphia, Pa. Luggage carrier and rear bumper. 1,468,779; Sept. 25.

English & Mersick Co., The. (See Bradley, Seymour M., assignor.)

Eppel, Vincent F. (See Carris, E. C., and Eppel.)

Erickson, Edward, Beverly, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J. Trimming machine. 1,468,629; Sept. 25.

Erikson, Leonard, Malden, Mass. Lamp socket. 1,469,038; Sept. 25.

Ernst, Wilhelm E., Berlin-Schoneberg, Germany. Thermostatically-controlled throttling device. 1,468,689; Sept. 25.

Eugster, Daniel, Union Hill, N. J. Copying apparatus. 1,468,939; Sept. 25.

Eveson, Noel G., Birmingham, England. Indicating or recording device particularly adapted for use by golfers. 1,468,901; Sept. 25.

Faber, Harold, Mount Pleasant, Mich. Spring compressor. 1,469,076; Sept. 25.

Fabry, Marguerite. (See Fabry, Pierre and M.)

Fabry, Pierre, Liege, and M. Fabry, Herstal, Belgium. Assemblage device for sporting-gun barrels. 1,468,902; Sept. 25.

Fair, Irvin E. (See Comstock, J. D., and Fair.)

Farnham, Geo. O. W. (See Huenergardt, William H., assignor.)

Federal Products Company. (See Coates, Frederick, assignor.)

Finney, James M. (See Schroeder, Anthony, assignor.)

Firestone Tire & Rubber Company, The. (See Martin, John L., assignor.)

Fisher, Jeremiah E., New York, N. Y. Commutator compound. 1,469,039; Sept. 25.

Fleishman, Theodore, Baltimore, Md. Automobile fender. 1,468,940; Sept. 25.

Fleming, Thomas F. (See Koch, Charles W., assignor.)

Foley, Timothy J., New York, N. Y. Sprinkling apparatus. 1,468,860; Sept. 25.

Ford, Hannibal C., Jamaica, assignor to Ford Instrument Company, Inc., New York, N. Y. Sighting device. 1,468,712; Sept. 25.

Ford Instrument Company. (See Ford, Hannibal C., assignor.)

Foster, Garfield, Fairfield, Ala. Scrubbing device. 1,469,077; Sept. 25.

Fraser, Le Roy B., Toledo, Ohio. Combined reel, balance weight, and anchor for decoys. 1,468,780; Sept. 25.

Freedenberg, Abraham J., New York, N. Y. Abdominal supporter. 1,469,069; Sept. 25.

Freund, Martin, deceased, by W. Freund, administrator, and E. Speyer, Frankfort-on-the-Main, Germany. Isomeric product of reduction of oxycodeinon and preparing the same. 1,468,805; Sept. 25.

Freund, Walter, administrator. (See Freund, M., and Speyer.)

Friedman, David, Roxbury, Mass. Bracket nail. 1,468,661; Sept. 25.

Frier, John D., Waringstown, Ireland. Machine for tearing fabrics. 1,468,713; Sept. 25.

Fritsch, Karl, Murnau, Germany, assignor to General Electric Company. Section insulator. 1,469,078; Sept. 25.

Fuller, Franz A., assignor to The J. E. Mergott Co., Newark, N. J. Manufacturing bag frames. 1,468,941; Sept. 25.

Funck, Paul W., Stuttgart, Germany. Machine for grating dough. 1,469,142; Sept. 25.

Gallagher, Frederick S., Yonkers, N. Y., assignor to Rodger Ballast Car Co., Chicago, Ill. Car construction. 1,468,630; Sept. 25.

Gamble, Frederick O., Memphis, Tenn. Dental floss holder. 1,468,942; Sept. 25.

Garwood, George W. (See Bost, W. D., Miller, and Garwood.)

Gates, James, Montreal, Quebec, Canada. Furnace construction. 1,469,000. Sept. 25.

Gendron Wheel Company, The. (See Vogel, J. F., and Nauts, assignors.)

General Electric Company. (See Dunham, Harry E., assignor.)

General Electric Company. (See Fritsch, Karl, assignor.)

General Electric Company. (See Gosling, Joseph W., assignor.)

General Electric Company. (See Wedmore, Edmund B., assignor.)

General Electric Company. (See Weldon, John J., assignor.)
General Phonograph Corporation. (See Vasselli, Anthony, assignor.)
General Shoe Machinery Company. (See Ballard, Harrie A., assignor.)
Gentry, Cleveland, Azusa, Calif. Tread for tractors. 1,469,001; Sept. 25.
Ghinelli, Luigi, Rome, Italy. Marine or the like vessel. 1,468,903; Sept. 25.
Gifford, John H., Milwaukee, Wis., assignor to United Shoe Machinery Corporation, Paterson, N. J. Machine for upsetting and clinching tubular fasteners. 1,468,662; Sept. 25.
Gillespie, Frank A. (See Meyer, C., and Meade, assignors.)
Glasser, Maurice M., Charleston, S. C. Fan. 1,468,690; Sept. 25.
Glenn, Kenneth B., Ambridge, Pa. Floating jewel bearing. 1,469,079; Sept. 25.
Glidden, Raymond B., assignor to Kewanee Implement Company, Kewanee, Ill. Truck-unloading appliance. 1,468,631; Sept. 25.
Gochenour, William E., Portage, Wis. Automatic tellurian. 1,468,781; Sept. 25.
Goddu, George, Winchester, and F. L. MacKenzie, Beverly, Mass., assignors to United Shoe Machinery Corporation, Paterson, N. J. Machine for operating on shoe stock. 1,468,663; Sept. 25.
Godula, Gorege, Wyoming, Pa. Rail joint. 1,469,040; Sept. 25.
Goerk, Jacob, Irvington, N. J. Pocket case for cigarettes, cigars, or the like. 1,469,080; Sept. 25.
Goldman, Charles H., San Francisco, Calif. Sample card. 1,469,081; Sept. 25.
Gooch, James F., Raleigh, N. C. Combination cutting and welding torch. 1,468,807; Sept. 25.
Gooch, James H., Paris, Tex. Burner. 1,468,782; Sept. 25.
Goodling, Daniel W. (See Strawser, George A., assignor.)
Gosling, Joseph W., Schenectady, N. Y., assignor to General Electric Company. Lantern. Des. 63,050; Sept. 25.
Gottlieb, Benjamin, Brooklyn, N. Y. Tire tread. Des. 63,051; Sept. 25.
Grandjean, Marc, Paris, France. Paper holder for stenographic and like machines. 1,468,703; Sept. 25.
Gray, Charles B., Philadelphia, Pa. Power-transmitting mechanism. 1,469,143; Sept. 25.
Greenawalt, William E., Denver, Colo. Metallurgical proces. 1,468,806; Sept. 25.
Griffiths, Richard T., assignor to The Miller Rubber Company, Akron, Ohio. Mold. 1,468,904; Sept. 25.
Gropper, Harry, New York, N. Y. Knitted fabric. 1,468,963; Sept. 25.
Grossman, Samuel, New York, N. Y. Resilient wheel. 1,468,714; Sept. 25.
Groth, William J., Los Angeles, Calif. Fireplace heater. 1,468,964; Sept. 25.
Guarantee Liquid Measure Company. (See Townsend, William S., assignor.)
Guerrieri, Michael, Newark, N. J. Tool holder. 1,468,715; Sept. 25.
Guttery, W. F. (See Steele, Wesley, assignor.)
Guy, Harry L., assignor of one-half to C. S. Purnell, Oak Park, Ill. Roofing. 1,469,041; Sept. 25.
Haldeman, James C., Salem, Ohio. Radius rod. 1,469,179; Sept. 25.
Hales, Sidney E., Blackheath, London, England. Pump. 1,468,664; Sept. 25.
Hall, Burton P., Fanwood, N. J. Producing images by transmitted light. 1,468,965; Sept. 25.
Hall, Francis C., Washington, D. C. Headrest. 1,469,082; Sept. 25.
Hall, Frank W., Port Arthur, Tex., assignor to The Texas Company, New York, N. Y. Apparatus for the manufacture of aluminum chloride. 1,468,632; Sept. 25.
Hamilton, Harold S., New York, N. Y., assignor to American Telephone and Telegraph Company. Apparatus and method for measuring transmission. 1,468,704; Sept. 25.
Hamilton, Victor, Calgary, Alberta, Canada. Bottle protector. 1,468,808; Sept. 25.
Hand, Ernest A., and F. A. Wygant, assignors to The A. J. Deer Company, Incorporated, Hornell, N. Y. Article holder for slicing machines. 1,468,705; Sept. 25.
Hanson & Van Winkle Company, The. (See Todd, Van Winkle, assignor.)
Harding, Henry O., and J. Jessen, Minneapolis, Minn.; said Jessen assignor to said Harding. Sack-closing machine. 1,469,083; Sept. 25.
Harley-Davidson Motor Co. (See Ziska, Adam, jr., assignor.)
Harman, William H. (See Schranz, F. G., and Harman.)
Harris, Micajah, Litchfield, Conn. Combined hoe and rake tool. 1,469,144; Sept. 25.
Harrison, Theodore M., Hawthorn, assignor to Hydro Press Company Proprietary Limited, Melbourne, Victoria, Australia. Shaping of sheet metal by fluid pressure. 1,468,706; Sept. 25.
Haseltine, Stacy B., Chicago, Ill., assignor to W. H. Miner, Chazy, N. Y. Hand brake for railway cars. 1,469,084; Sept. 25.
Hathaway, Edgar F., Wellesley, assignor to Shawmut Engineering Company, Boston, Mass. Axminster tube frame. 1,469,180; Sept. 25.
Hathaway, Edgar F., Wellesley, assignor to Shawmut Engineering Company, Boston, Mass. Yarn spool for tube frames. 1,469,181; Sept. 25.
Hathaway, Edgar F., Wellesley, assignor to Shawmut Engineering Company, Boston, Mass. Tube frame. 1,469,183; Sept. 25.
Hathaway, Edgar F., Wellesley, assignor to Shawmut Engineering Company, Boston, Mass. Tuft frame for weaving pile fabrics. 1,469,184; Sept. 25.
Hathaway, Edgar F., Wellesley, assignor to Shawmut Engineering Company, Boston, Mass. Suspension means for tube frames. 1,469,185; Sept. 25.
Hathaway, Edgar F., Wellesley, and W. Bixby, assignor to Shawmut Engineering Company, Boston, Mass. Tufttube frame for weaving. 1,469,182; Sept. 25.
Haubert, Leo, Muskogee, assignor of one-third to J. C. Bennett and one-third to J. A. Wolfe, Tulsa, Okla. Power-delivering attachment for automobile trucks or tractors. 1,469,002; Sept. 25.
Hawkins, Wilford J. (See Steele, Archie W., assignor.)
Hawley, Eugene W., Philadelphia, Pa. Wardrobe trunk. 1,469,943; Sept. 25.
Hawthorne, Charles W., and G. J. Rennie, Buffalo, N. Y. Turntable. 1,469,085; Sept. 25.
Headson, Frank A., Milwaukee, Wis. Lining or friction member for brake bands, brake shoes, or other articles. 1,468,634; Sept. 25.
Heath, Glenn P., Aurora, Ill. Adjustable ventilator. 1,469,011; Sept. 25.
Hedberg, Roy E., Grenfell, Saskatchewan, Canada. Valve rocker arm. 1,469,155; Sept. 25.
Hellstrand, Gustaf A., Butte, Mont. Differential flotation of ores. 1,469,042; Sept. 25.
Henderson, Nelson H., Syracuse, N. Y. Centrifugal fan and making the same. 1,469,086; Sept. 25.
Herington, Cecil F., assignor to Heyl & Patterson, Inc., Pittsburgh, Pa. Pulverized fuel feeding and distributing apparatus. 1,468,966; Sept. 25.
Hermann Rehr, & Co. (See Crupi, Frank J., assignor.)
Herman, John, Los Angeles, Calif. Pneumatic screen. 1,469,003; Sept. 25.
Herman, Joseph L., Peoria, Ill. Metal-coated iron or steel article. 1,468,905; Sept. 25.
Herman Tire Building Machine Company, The. (See Hermann, Walter H., assignor.)
Hermann, Walter H., Columbus, Ohio. Tire-building machine. 1,468,809; Sept. 25.
Hermann, Walter H., Lancaster, assignor to The Herman Tire Building Machine Company, Columbus, Ohio. Reading and trimming device for tire-building machine. 1,469,012; Sept. 25.
Herr, Herbert T., Merion, Pa., assignor to Westinghouse Electric and Manufacturing Company. Turbine. 1,468,633; Sept. 25.
Hescock, Ethan N. (See Newhall, H. B., and Hescock.)
Hewitt, Edward R., Midvale, N. J. Internal-combustion engine. 1,469,087; Sept. 25.
Heyl & Patterson, Inc. (See Herington, Cecil F., assignor.)
Heyl & Patterson, Incorporated. (See Mason, Elliott J., assignor.)
Hickok, W. O., Mfg. Co., The. (See Broadmeyer, Albert, assignor.)
Higgins, Clifford B., Detroit, Mich. Tube-forming machine. 1,468,635; Sept. 25.
Hines, Edwin G., Drums, Pa. Toy fence. 1,468,810; Sept. 25.
Hodgson, Harriette E., New York, N. Y. Hasp hook. 1,468,861; Sept. 25.
Hoeft, August E., Brooklyn, N. Y. Band for film reels. 1,468,636; Sept. 25.
Hoffman, Glenn R., assignor, by mesne assignments, to Parks & Bohne, Inc., St. Louis, Mo. Transmission or brake band. 1,468,811; Sept. 25.
Hoffman, Rudolph, Kankakee, assignor to Sears, Roebuck and Co., Chicago, Ill. Oil stove. 1,468,783; Sept. 25.
Hogenson, William, assignor to Chicago Vitreous Enamel Product Company, Chicago, Ill. Charging apparatus for enamelling furnaces. 1,468,944; Sept. 25.
Hollingdrake, Henry, Stockport, England. Time computer. 1,468,862; Sept. 25.
Hollopeter, Orville C. (See Laise, C. A., and Hollopeter.)
Holmes, Warren S., Lansing, Mich. Building construction. 1,468,812; Sept. 25.
Holmes, Wayne M. (See Yeager, L. R., and Holmes.)
Holter, Kristian. (See Börresen, A. H., and Holter.)
Holtz, Gustav, Gouldsboro, Pa. Amalgam carrier and plugger. 1,469,004; Sept. 25.
Hopkins, Ralph Z., Detroit, Mich. Building construction. 1,468,945; Sept. 25.
Horton, Albert J., New York, N. Y., assignor to The Cutler-Hammer Mfg. Co., Milwaukee, Wis. Resistance. 1,468,946; Sept. 25.
Hottmann, Charles W., Philadelphia, Pa. Mixing and cutting machine. 1,468,967; Sept. 25.
Houser, James A., Marion, Ind. Vapor-utilizing device. 1,469,088; Sept. 25.
Huenergardt, William H., assignor to G. O. W. Farnham, Lincoln, Nebr. Clothes-wringer mechanism. 1,468,814; Sept. 25.

Huff, John T., Chicago, Ill. Shelf bracket. 1,468,813; Sept. 25.
Hughes, Cora E., assignor of one-third to T. M. Ingman and one-third to L. L. Elliott, Los Angeles, Calif. Light-deflecting headlight. 1,468,784; Sept. 25.
Huntar, Felix, assignor to American Can Company, New York, N. Y. Process and apparatus for closing filled cans. 1,468,785; Sept. 25.
Hutton, George F., Stockton, Calif. Portable shower bath. 1,468,863; Sept. 25.
Hugler's. (See Porter, Adelaide M., assignor.)
Hydraulic Pressed Steel Company, The. (See Kranz, H. W., and Lukes, assignors.)
Hydro Press Company Proprietary Limited. (See Harrison, Theodore M., assignor.)
Hyman, Charles H., Penacook, N. H. Toy vehicle. Des. 63,052; Sept. 25.
Independent Contact Manufacturing Co. (See Laise, C. A., and Hollopeter, assignors.)
Ingersoll Milling Machine Company, The. (See Caldwell, Harry J., assignor.)
Ingman, Thomas M., et al. (See Hughes, Cora E., assignor.)
Inhelder, William, Toronto, Ontario, Canada. Glider. 1,469,156; Sept. 25.
Inman, William, Laporte, Ind. Fuel-oil filter. 1,468,906; Sept. 25.
Jackson, Chester E., Ovid, Mich. Poultry coop. 1,468,815; Sept. 25.
Jacobs, Joseph H., Denver, Colo. Safety adjusting means for pressure-cooker locks. 1,469,070; Sept. 25.
Jacobus, Martin R., Ridgefield, N. J. Poultry feeder. 1,469,013; Sept. 25.
Jeffery-Dewitt Company, The. (See Jeffery, Joseph A., assignor.)
Jeffery, Joseph A., assignor to The Jeffery-Dewitt Company, Detroit, Mich. Furnace for decorating ceramic ware. 1,468,947; Sept. 25.
Jennings, John W., St. Louis, Mo. Dirigible headlight. 1,468,637; Sept. 25.
Jessen, James. (See Harding, H. O., and Jessen.)
Jewett, Vernon F., Portland, Oreg. Fair leader. 1,469,014; Sept. 25.
Johnson, John B., Philadelphia, Pa. Reinforcement for hand bags. 1,468,816; Sept. 25.
Johnson, Thomas A., Manning, N. Dak. Chain fastener. 1,469,089; Sept. 25.
Johnston, Edward W., Springfield, Ill. Coupling. 1,468,707; Sept. 25.
Jones, Laban E., and C. R. Wraith, Anaconda, Mont. Draft gauge. 1,468,948; Sept. 25.
Jones, Lester L., New York, N. Y. Electric battery. 1,469,015; Sept. 25.
Jones, Pearl T., Sacramento, Calif. Combined chair and ironing board. 1,468,817; Sept. 25.
Kane, Richard W. H. (See Badcock, Fred, assignor.)
Kast, Morgan D., Pendleton, Oreg. Harvester-frame construction. 1,469,157; Sept. 25.
Keene, William L., Waterville, Me. Draft regulator. 1,469,158; Sept. 25.
Keene, William L., Waterville, Me. Draft regulator. 1,469,159; Sept. 25.
Kent, James W., Brooklyn, N. Y. Paint-making machinery. 1,468,864; Sept. 25.
Kerr, John M., Louisville, Ky., assignor of one-half to J. Wernert. Mail-bag catching and delivery apparatus. 1,469,091; Sept. 25.
Kersting, John H. and V. J., New York, N. Y. Ferrule. 1,468,716; Sept. 25.
Kersting, Vincent J. (See Kersting, John H., and V. J.)
Kessel, William J., Freeport, N. Y. Garden tool. 1,469,160; Sept. 25.
Kewanee Implement Company. (See Glidden, Raymond B., assignor.)
Kienle, David, Jersey City, N. J. Window seat. 1,468,717; Sept. 25.
Killion, John H., Chicago, Ill. Building construction. 1,468,968; Sept. 25.
Kimball, Root E., Fort Wayne, Ind. Combination kitchen furniture. 1,468,665; Sept. 25.
Kimmel, Harry B., Highland Park, Mich. Saw. 1,468,638; Sept. 25.
Kimmel, Harry B., Highland Park, Mich. Packing washer. 1,468,639; Sept. 25.
King, John Y., Lansdowne, Pa. Shock-absorbing spring. 1,468,907; Sept. 25.
King, Melbert, assignor of one-third to C. T. Brown, Chicago, Ill. Combined camera and projector mechanism for moving-picture films. 1,469,016; Sept. 25.
Kingsbury, Edwin F., Rutherford, N. J., assignor to Eastman Kodak Company, Rochester, N. Y. Film cartridge. 1,469,017; Sept. 25.
Kingsbury, Edwin F., Rutherford, N. J., assignor to Eastman Kodak Company, Rochester, N. Y. Spool for photographic-film cartridges. 1,469,018; Sept. 25.
Kirkpatrick, Littleton, assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Coated fabric. 1,468,818; Sept. 25.
Klein, George J., Cleveland, Ohio. Wall lantern. Des. 63,053; Sept. 25.
Knechtel, Jacob S., Hanover, Ontario, Canada. Cabinet joint. 1,468,786; Sept. 25.
Kneeland, Cyrus H., Millinocket, Me. Clamp. 1,468,718; Sept. 25.
Knudsen, Carl H., Brooklyn, N. Y., assignor to The Knudsen Motor Corporation, Wilmington, Del. Internal-combustion engine. 1,468,819; Sept. 25.
Knudsen Motor Corporation, The. (See Knudsen, Carl H., assignor.)
Koch, Charles W., assignor to T. F. Fleming, New York, N. Y. Faucet valve. 1,468,949; Sept. 25.
Koch, William E., Carroll, Ohio. Corn-harvesting machine. 1,469,161; Sept. 25.
Kochmann, Wilhelm, Charlottenburg, near Berlin, Germany. Performing chemical reactions. 1,468,708; Sept. 25.
Koehler, George, Waukesha, Wis. Railway tie. 1,468,787; Sept. 25.
Kovar, John H., Worcester, J. F. Schimek, Holden, Mass., and A. Cavedon, Woonsocket, R. I., assignors to Cashiko Machine Company, Worcester, Mass. Condensing apparatus for carding machines. 1,469,005; Sept. 25.
Krafft, Bruno A., San Francisco, Calif. Safety cover for cooking vessels. 1,468,908; Sept. 25.
Kranz, Harry W., and J. Lukes, assignors to The Hydraulic Pressed Steel Company, Cleveland, Ohio. Fluid-operated band-punching machine. 1,468,788; Sept. 25.
Krone, Carl R., Oakland, Calif. Vehicle direction indicator. 1,469,090; Sept. 25.
Krupp, Leo A., assignor to The Buckeye Traction Ditcher Company, Findlay, Ohio. Back-filling machine. 1,468,950; Sept. 25.
Kuehner, Arthur T., Elkridge, Md. Lubricator for locomotive driving journals. 1,468,909; Sept. 25.
Kuen, Eugene A., assignor to The Thos. J. Corcoran Lamp Company, Cincinnati, Ohio. Electric connecter. 1,469,186; Sept. 25.
Kuen, Eugene A., assignor to The Thos. J. Corcoran Lamp Company, Cincinnati, Ohio. Vehicle lamp. 1,469,187; Sept. 25.
Kurowski, Alfred G. F., Brooklyn, assignor to Underwood Typewriter Company, New York, N. Y. Typewriting machine. 1,468,640; Sept. 25.
Kurowski, Alfred G. F., Brooklyn, assignor to Underwood Typewriter Company, New York, N. Y. Typewriting machine. 1,468,641; Sept. 25.
Lacey, Glenville J. G., Kalamazoo, Mich. Vertical water-tube boiler. 1,468,086; Sept. 25.
La Grandeur, Alfred J., and E. C. Anderson, Somerset, Wis. Bag-mouth expander. 1,468,709; Sept. 25.
Laise, Clemens A., Weehawken, N. J., and O. C. Hollopeter, New York, N. Y., assignors to Independent Contact Manufacturing Co. Making electrical contacts. 1,469,043; Sept. 25.
Lallance, Theodore P., Huntington, W. Va. Shoe rack. Des. 63,054; Sept. 25.
Landers, Frary & Clark. (See Mann, Nelson E., assignor.)
Langdon, Robert M., Englewood Cliffs, N. J. Paper dust-receiving bag for vacuum cleaning machines. 1,468,719; Sept. 25.
Latta, Emmit G., Syracuse, N. Y. Portable typewriting machine and case therefor. 1,468,880; Sept. 25.
Lawlor, James M., Topeka, Kans. Screw-driver attachment. 1,468,969; Sept. 25.
Leedy Manufacturing Company. (See Strupe, Cecil H., assignor.)
Leeser, Emil, Chicago, Ill. Attachment for fountain pens. 1,469,092; Sept. 25.
Lefever, Eden G., Boyertown, Pa. Brake-equalizing device. 1,468,910; Sept. 25.
Lelbow, David, and M. Cohen, New York, N. Y. Towel-service cabinet. 1,468,667; Sept. 25.
Leich Electric Company. (See Leich, Oscar M., assignor.)
Leich, Oscar M., assignor to Leich Electric Company, Genoa, Ill. Electric-contact-operating device. 1,468,789; Sept. 25.
Leindorf, Emil, New York, N. Y. Passenger bus. 1,468,701; Sept. 25.
Lemoine, Jules L., Paris, France. Coffee and the like percolator. 1,468,642; Sept. 25.
Leonard, Caleb E., Boonton, N. J. Spark plug. 1,468,970; Sept. 25.
Lesler, Albert F., New York, N. Y. Paper dispenser. 1,469,162; Sept. 25.
Lewis, Charles H., Syracuse, N. Y. Garment-pressing machine. 1,469,006; Sept. 25.
Lewis, Emory S., New York, N. Y., assignor to London Lightingwares Corporation. Bracket back. Des. 63,055; Sept. 25.
Lewis, Seneca G., Greensburg, and G. W. Daum, Jeannette, Pa. Shock absorber. 1,468,881; Sept. 25.
Lindsay, William G., Newark, N. J., assignor to The Celluloid Company. Making sheets of pyroxylin compound. 1,468,820; Sept. 25.
Lito-Fone Company. (See Ouzoonian, Aram S., assignor.)
London Lightingwares Corporation. (See Lewis, Emory S., assignor.)
Long, John, Victoria, Tex. Valve cap. 1,468,821; Sept. 25.
Low, Julius C., Kansas City, Mo. Fishing float. 1,468,720; Sept. 25.
Ludlum Steel Company. (See Armstrong, Percy A. E., assignor.)
Ludorf, Ernst, Berlin-Treptow, Germany, assignor to the Firm Pilum, A. G., Berne, Switzerland. Projectile and means to fire the same. 1,468,822; Sept. 25.

Luffsmith, William. (See Underwood, G. F., and Luffsmith.)
Lukes, John. (See Kranz, H. W., and Lukes.)
Lüttringhaus, Arthur and L. Blangey, Mannheim, assignors, by mesne assignments, to Badische Anilin & Soda Fabrik, Ludwigshafen-am-Rhine, Bavaria, Germany. Tanning hides. 1,469,044; Sept. 25.
McCaffrey, William H., assignor of one-half to J. A. Meadows, Birmingham, Ala. Car coupler. 1,468,725; Sept. 25.
McClure, Robert P. (See Simpson, J., and McClure.)
McComiskey, Alexander H., jr., New Orleans, La. Electric gyrostat. 1,469,094; Sept. 25.
McCorry, Fredrick W. (See McGowan, R. E., and McCorry.)
McCurdy, Thomas A. W., Clark, S. Dak. Tire-pump-operating means and running-board-connecting means. 1,469,095; Sept. 25.
McDonald, John J., West View, Pa. Exterior rubber-tire protector. 1,468,643; Sept. 25.
McDonald, Patrick J., New Cumberland, Pa. Loading machine. 1,469,046; Sept. 25.
McFadden, Glenn E., Lakewood, Ohio, assignor to Alfred Vester Sons, Inc., Providence, R. I. Ceiling light for lighting fixtures. Des. 63,057; Sept. 25.
McGill Manufacturing Company. (See Despard, Victor R., assignor.)
McGowan, Robert E., and F. W. McCorry, Cowley, Wyo. Combination rule, square, and level. 1,469,167; Sept. 25.
McIntyre, Miles, Healdsburg, Calif. Gasket protector. 1,468,824; Sept. 25.
McKee, Charles W., Harrisburg, and W. T. Taggart, Marietta, Pa. Dimming switch for automobile lights. 1,468,882; Sept. 25.
McKim, James H., Mobile, Ala. Refrigerator. 1,468,726; Sept. 25.
McMeans, William, Scranton, Pa. Tie holder. 1,469,096; Sept. 25.
McTowe, Edward, Rochester, N. Y. Anchoring insert for concrete structures. 1,469,198; Sept. 25.
McVeety, Charles, Cheltenham, Pa. Combined register box and deflector. 1,468,734; Sept. 25.
MacAleese, Frederic L., Milwaukee, Wis. Punch. 1,469,093; Sept. 25.
MacDonald, Clifford K., Brockton, Mass. Shoe last. 1,468,644; Sept. 25.
MacKenzie, Fred L. (See Goddu, G., and MacKenzie.)
MacMurchy, John A., Ridley Park, Pa., assignor to Westinghouse Electric & Manufacturing Company. Elastic-fluid turbine. 1,469,045; Sept. 25.
Macy, Barnett W., assignor to Electric Heating Corporation, Jacksonville, Fla. Garment ironer. 1,468,721; Sept. 25.
Macy, Barnett W., Jacksonville, Fla. Electrical heating device. 1,468,722; Sept. 25.
Macy, Barnett W., assignor to Electric Heating Corporation, Jacksonville, Fla. Electrically-heated ironing device. 1,468,723; Sept. 25.
Madigan, Frank B. (See Patten, C. C., Date, and Madigan.)
Madle, Frank, Berwyn, assignor to Cruver Manufacturing Company, Chicago, Ill. Savings bank. 1,468,911; Sept. 25.
Madsen, Fred, et al. (See Morris, George T., assignor.)
Maier, Amelia M. (See Remmele, Louis J., assignor.)
Mallina, Rudolf, Sao Paulo, Brazil. Bookmark. 1,468,162; Sept. 25.
Malvern, Edmund N., Burlington Junction, Mo. Chain connector. 1,469,164; Sept. 25.
Mandalian, Sahatiel G., North Attleboro, Mass. Lamp shade. 1,468,885; Sept. 25.
Mann, Nelson E., assignor to Landers, Frary & Clark, New Britain, Conn. Curling iron. 1,469,047; Sept. 25.
Marlin Firearms Corporation, The. (See Rockwell, Hugh M., assignor.)
Marqué, Léon. (See Massnger, L., and Marqué.)
Marsh, Charles L., Bridgewater, S. Dak. Door-operating device. 1,469,165; Sept. 25.
Martin, John L., assignor to The Firestone Tire & Rubber Company, Akron, Ohio. Tire tread. Des. 63,056; Sept. 25.
Mason, Elliott J., assignor to Heyl & Patterson, Incorporated, Pittsburgh, Pa. Coke wharf. 1,468,971; Sept. 25.
Massaurger, Louis, and L. Marqué, Bacon les Bruyers, France. Hood latch. 1,468,823; Sept. 25.
Matsushita, Roy, Wilmette, Ill. Hot plate. 1,469,166; Sept. 25.
Matthes, Samuel S., assignor to The Ohio Brass Company, Mansfield, Ohio. Supporting device. 1,469,097; Sept. 25.
Matthes, Samuel S., assignor to The Ohio Brass Company, Mansfield, Ohio. Conductor support. 1,469,098; Sept. 25.
Mauck, Victor, Norristown, assignor to John Wood Manufacturing Company, Conshohocken, Pa. Can-forming mechanism. 1,468,724; Sept. 25.
Mayer, Alvin L., New York, N. Y. Ferrotyping, polishing, and drying apparatus. 1,469,099; Sept. 25.
Meade, Henry B. (See Meyer, C., and Meade.)
Meadows, Albert, assignor to Detroit Vapor Stove Company, Detroit, Mich. Stove fixture or door hanger. 1,468,735; Sept. 25.
Meadows, Albert, assignor to Detroit Vapor Stove Company, Detroit, Mich. Oven-front construction. 1,468,736; Sept. 25.
Meadows, Albert, assignor to Detroit Vapor Stove Company, Detroit, Mich. Stove construction. 1,468,737; Sept. 25.
Meadows, Albert, assignor to Detroit Vapor Stove Company, Detroit, Mich. Drip-pan support and burner-box construction. 1,468,738; Sept. 25.
Meadows, J. A. (See McCaffrey, William H., assignor.)
Meissner, Charles, San Diego, Calif. Fish slicing and backbone-removing machine. 1,468,972; Sept. 25.
Mergott, J. E., Co., The. (See Fuller, Franz A., assignor.)
Mets, James A., Fremont, Nebr. Sheet-turning device. 1,469,168; Sept. 25.
Metz, Norbert, Dudelingen, Luxemburg. Relief device for rolling mills. 1,468,825; Sept. 25.
Meyer, Charles, and H. B. Meade, assignors to F. A. Gillespie, Los Angeles, Calif. Amalgamator and separator. 1,469,007; Sept. 25.
Meyer, Charles, and H. B. Meade, assignors to F. A. Gillespie, Los Angeles, Calif. Amalgamator and separator. 1,469,008; Sept. 25.
Meyer, William C., Beverly, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J. Shoe-sewing machine. 1,468,912; Sept. 25.
Miller, David P., Middletown, Pa. Wrench. 1,468,913; Sept. 25.
Miller, Harry M. (See Bost, W. D., Miller, and Garwood.)
Miller Rubber Company, The. (See Griffiths, Richard T., assignor.)
Miller Saw-Trimmer Company. (See Smith, Walter H., assignor.)
Miner, William H. (See O'Connor, John F., assignor.)
Miner, William H. (See Haseltine, Stacy R., assignor.)
Minney, Arthur W., Stockton, Calif. Egg beater and mixer. 1,468,826; Sept. 25.
Mitchell, Charles F., and C. R. Boesche, Baltimore, Md. Identification tag. 1,469,100; Sept. 25.
Mitchell, George W., Le Roy Township, Mower County, Minn. Chick-feeding device. 1,468,668; Sept. 25.
Monroe Calculating Machine Company. (See Chase, George C., assignor.)
Moore, George H., assignor to Airtite Decoy Company, Kansas City, Mo. Inflatable decoy. 1,469,188; Sept. 25.
Morgan, Edmund C., deceased, New York, N. Y.; O. E. Morgan, executrix. Cutting chain. 1,468,866; Sept. 25.
Morgan, Edmund C., deceased, New York, N. Y.; O. E. Morgan, executrix. Chain cutter for mining machines. 1,468,914; Sept. 25.
Morgan Engineering Company. (See Taylor, Clarence L., assignor.)
Morgan, Olive E., executrix. (See Morgan, Edmund C.)
Morris, Arthur H., Newark, N. J. Adjustable tool head. 1,468,827; Sept. 25.
Morris, George T., assignor of one-third to F. Madsen and one-third to H. L. Shapard, Missoula, Mont. Ventilating cover for containers. 1,469,169; Sept. 25.
Mullard, Eugène L., Valenduco, and J. Dubois, Paris, France. Reading lamp. 1,468,727; Sept. 25.
Myers, Emma. (See Wise, Joseph C., assignor.)
Najacht, Otto, Chicago, Ill. Alloy. 1,468,828; Sept. 25.
National Peeling Machine Company. (See Bost, W. D., Miller, and Garwood, assignors.)
Nauts, Frank A. (See Vogel, J. F., and Nauts.)
Neahr, Jacob E., Hartsdale, assignor to Underwood Typewriter Company, New York, N. Y. Typewriter stand. Des. 63,058; Sept. 25.
Nedra, Ian I. W., assignor to Penn Electrical and Manufacturing Company, Irwin, Pa. Fuse clip and retainer. 1,468,915; Sept. 25.
Nelkirk, John O., Lombard, assignor to Roger Ballast Car Company, Chicago, Ill. Car construction. 1,468,845; Sept. 25.
Nelson, Clare, Brooklyn, assignor, by mesne assignments, to C. C. Orcutt, New York, N. Y. Paper-drying machine. 1,469,048; Sept. 25.
Nelson, William, Brooklyn, N. Y. Combination table and ironing board. 1,468,728; Sept. 25.
Newhall, Henry B., Plainfield, and E. N. Hescock, Westfield, N. J.; said Hescock assignor of his right to New Jersey Foundry and Machine Company. Power member. 1,468,916; Sept. 25.
New Jersey Foundry and Machine Company. (See Newhall, H. B., and Hescock, assignors.)
Newman, Samuel, New York, N. Y. Dental absorbent-roll holder. 1,469,049; Sept. 25.
Norris, George E., Columbus, Ohio. Mortising machine. 1,469,170; Sept. 25.
O'Connor, John F., Chicago, Ill., assignor to W. H. Miner, Chazy, N. Y. Friction shell and spring cage for draft gears. 1,469,101; Sept. 25.
O'Hara, Joseph S., Romney, W. Va. Automatic regulator. 1,468,729; Sept. 25.
Ohio Brass Company, The. (See Matthes, Samuel S., assignor.)
Ohio Brass Company, The. (See Wood, Arthur C., assignor.)
Olcott, Walter, South Manchester, Conn. Protective shield for automobile drivers. 1,469,102; Sept. 25.
O'Leary, John J., Glenside, Pa. Hat protector. 1,469,189; Sept. 25.

Opitz, John L., Clarinda, Iowa. Narrow-tread front-wheel attachment for tractors. 1,468,669; Sept. 25.
Oppman, Joseph, assignor of one-half to A. I. Daniels, Connellsville, Pa. Skid-chain fastener. 1,469,103; Sept. 25.
Orcutt, Charles C. (See Nelson, Clare, assignor.)
Orlopp, Harry A., Los Angeles, Calif., and D. B. Smith, El Paso, Tex. Concrete-form tie and spacer. 1,468,790; Sept. 25.
Ormsby, Donald D., assignor to Brown Lipe Chapin Company, Syracuse, N. Y. Differential gearing. 1,469,190; Sept. 25.
Ornduff, Robert, Carthage, Mo. Humidor. 1,469,104; Sept. 25.
Osburn, Wallace N., Novi Township, Oakland County, Mich. Soap dish. 1,468,917; Sept. 25.
Oster, Karl W., Portland, Oreg. Bird cage. 1,468,730; Sept. 25.
Ostrander, Albert H., Panora, Iowa. Tank heater and water circulator. 1,468,670; Sept. 25.
Ouzoonian, Aram S., assignor to Lito-Fone Company, Inc., New York, N. Y. Signal for automotive vehicles. 1,468,830; Sept. 25.
Overall, John, Drummoyne, near Sydney, New South Wales, Australia. Apparatus for cleaning ships' bottoms. 1,468,646; Sept. 25.
Owen, Evan J., assignor of one-half to L. B. Rainey, Gadsden, Ala. Sanitary dry closet. 1,468,829; Sept. 25.
Owens, John, Washington, D. C. Grease cup. 1,468,918; Sept. 25.
Owens, John, Washington, D. C. Grease cup. 1,468,919; Sept. 25.
Overstreet, Coleman, Kerto, Calif. Coupling. 1,469,009; Sept. 25.
Packard Motor Car Company. (See Church, Harold D., assignor.)
Paff, Charles, New York, N. Y. Bunker. 1,468,647; Sept. 25.
Page, Robert W., El Paso, Tex. Toy balloon. Des. 63,059; Sept. 25.
Paladino, Federico, Naples, Italy. Sock or stocking protector. 1,469,010; Sept. 25.
Parent, Charles, Denver, Colo. Traction device. 1,469,105; Sept. 25.
Parks & Bohne Inc. (See Hoffman, Glenn R., assignor.)
Parrish, Samuel H., assignor to S. H. Parrish Company, Chicago, Ill. Composition for treating paper. 1,468,831; Sept. 25.
Parrish, S. H., Company. (See Parrish, Samuel H., assignor.)
Parsons, Winslow R., San Diego, Calif. Means for operating window shades. 1,468,832; Sept. 25.
Pascoe, Elmer E. (See Wigner, Sirenaus W., assignor.)
Pasini, Enrique, Mexico, Mexico. Combined stain remover and brush. 1,468,671; Sept. 25.
Paterson, William, London, England. Process and apparatus for mixing liquids and gases. 1,468,739; Sept. 25.
Patten, Charles C., J. H. Date, Minneapolis, and F. B. Madigan, Mankato, Minn. Sign for auto doors. 1,468,672; Sept. 25.
Pauk, Henry E., St. Louis, Mo. Show case. 1,469,050; Sept. 25.
Paul, Christian F., jr., Austin, Tex. Centrifugal separation and centrifugal filtration of liquids. 1,468,740; Sept. 25.
Paul, Karl R. (See Schoeller, Ferdinand, assignor.)
Peacock, Samuel, Wheeling, W. Va., assignor to W. G. Waldo, Washington, D. C. Production of phosphoric acid. 1,468,741; Sept. 25.
Pease, F. B., Company. (See Contant, William A., assignor.)
Peckes, William J., Dormont Borough, Pa. Waterproof container. 1,468,742; Sept. 25.
Penn Electrical Manufacturing Company. (See Nedra, Ian I. W., assignor.)
People of the United States of America, The. (See Thelen, R., and Fiemann.)
Pfanstiehl, Carl, assignor to Special Chemicals Company, Highland Park, Ill. Tooth-cleaning preparation. Re15,691; Sept. 25.
Phillips, Charles, jr., Philadelphia, Pa. Binding post. 1,469,107; Sept. 25.
Phillips, Charles, sr., Bolivar, N. Y. Working valve for oil-well pumps. 1,469,106; Sept. 25.
Pieper, Henri, Liege, assignor to Constructions Electriques de Belgique Societe Anonyme, Brussels, Belgium. Electric locomotive. 1,468,920; Sept. 25.
Pierce, James B., jr., Charleston, W. Va. Blanc fixe. 1,468,867; Sept. 25.
Pilum, A. G. (See Ludorf, Ernst, assignor.)
Plantation Rubber Manufacturing Company Limited. (See Underwood, G. F., and Luffsmith, assignors.)
Platner, David F., San Diego, Calif. Concentrator. 1,469,019; Sept. 25.
Poitras, Joseph A., New York, N. Y. Dividing head. 1,469,051; Sept. 25.
Polk, Ralph B., Greenwood, Ind. Segmenting tool for citrous fruit. 1,468,648; Sept. 25.
Pool, Charles S., Taft, Calif. Cross-feed stop for lathes. 1,469,108; Sept. 25.
Porits, Frederick M., assignor to Star Chandelier Company, New York, N. Y. Ceiling chandelier. Des. 63,060; Sept. 25.
Porter, Adelaide M., Greenwich, Conn., assignor to Huyler's, New York, N. Y. Novelty candy package. 1,468,743; Sept. 25.
Porter, Russell W., Springfield, Vt. Reflecting telescope. 1,468,973; Sept. 25.
Porter, William O., Chicago, Ill. Attachment for bathtubs. 1,468,744; Sept. 25.
Poulos, Bill H., Haugan, Mont. Anticreeping tie plate. 1,468,833; Sept. 25.
Powell, George O., Wynnewood, Okla. Churn. 1,468,745; Sept. 25.
Preston, Clarence S., San Diego, Calif. Resilient channel and cushion tire. 1,469,020; Sept. 25.
Price, Samuel, Ravenna, Ohio. Ring-forming machine. 1,468,673; Sept. 25.
Pugel, Frank J., Pueblo, Colo. Umbrella. 1,469,021; Sept. 25.
Purnell, Charles S. (See Guy, Harry L., assignor.)
Race, Frank F., Toronto, Ontario, Canada. Traffic signal. 1,468,974; Sept. 25.
Rahr, Maximilian, jr., Manitowoc, Wis. Automobile accessory. 1,469,109; Sept. 25.
Rainey, Lillus B. (See Owen, Evan J., assignor.)
Ralston, Henry J., San Francisco, Calif. Trailer operating mechanism. 1,468,975; Sept. 25.
Rather, James B., assignor to Charles J. Tagliabue Manufacturing Co., Brooklyn, N. Y. Flame-measuring device. 1,469,052; Sept. 25.
Ray, James T., Campbell, Tex. Oil heater. 1,468,674; Sept. 25.
Reed Manufacturing Company. (See Schuman, Albert C., assignor.)
Rees Manufacturing Company. (See Arnold, Edwin E., assignor.)
Regnault, Henri. (See Chevalier, J. M. A., Bourcet, and Regnault.)
Reichardt, Otto E. (See Reichstetter, G., jr., and Reichardt.)
Reichstetter, George, jr., Newark, and O. E. Reichardt, Irvington, N. J. Spring bumper for vehicles. 1,468,868; Sept. 25.
Reichstetter, George, jr., Newark, and O. E. Reichardt, Irvington, N. J. Vehicle bumper and fender. 1,468,869; Sept. 25.
Reitz, Henry A., Johnstown, Pa. Gas-burner attachment. 1,468,921; Sept. 25.
Remington Typewriter Company. (See Smith, Charles E., assignor.)
Remmele, Louis J., assignor to A. M. Maier, Newark, N. J. Machine for filling rotary brooms. 1,468,922; Sept. 25.
Rennie, George J. (See Hawthorne, C. W., and Rennie.)
Rhodes, Marcus H., St. Louis, Mo. Razor-stropping device. 1,468,923; Sept. 25.
Rhodes, William J., and K. Wollams, Worthington, Ind. Wrench. 1,468,834; Sept. 25.
Rickart, John, Palmyra, Mo. Clasp for removing disk clutches on automobiles. 1,468,976; Sept. 25.
Riddle, Edward N., Co. (See Crowell, Frank S., assignor.)
Riordan, David. (See Davision, George F., assignor.)
Roberts, Theodore C., New York, N. Y., assignor to Columbia Graphophone Manufacturing Company, Bridgeport, Conn. Control mechanism. 1,468,675; Sept. 25.
Robinson, James K., Little Rock, Ark. Ventilator. 1,469,022; Sept. 25.
Rockwell, Hugh M., Bristol, assignor, by mesne assignments, to The Marlin Firearms Corporation, New Haven, Conn. Belt-loading machine. 1,468,870; Sept. 25.
Rodger Ballast Car Co. (See Gallagher, Frederick S., assignor.)
Rodger Ballast Car Company. (See Nelkirk, John O., assignor.)
Roller-Smith Company. (See Spurrier, John R., assignor.)
Rosen, Meyer, assignor to The Cushion Handle Bar Co., Bloomington, Ill. Cushioning device for the handle bars of motor cycles, bicycles, and like vehicles employing handle bars. 1,468,835; Sept. 25.
Rosenblatt, Hannah, Manila, P. I. Message carrier. 1,469,110; Sept. 25.
Rosner, Adolph, assignor to American Bosch Magneto Corporation, Springfield, Mass. Driving attachment for magnetos. 1,468,883; Sept. 25.
Royse, Harold S., Minneapolis, Minn. Money safe. 1,468,836; Sept. 25.
Rudd, Harry B., Mansfield, Ohio. Electrically treating liquids. 1,468,649; Sept. 25.
Russell, Samuel G., assignor to Shakespeare Company, Kalamazoo, Mich. Fishing reel. 1,468,676; Sept. 25.
Russell, Samuel J., Princeton, Tex. Sunshade. 1,469,111; Sept. 25.
Sands, Roy G., Waukegan, assignor to Frank B. Cook Company, Chicago, Ill. Lightning arrester and heat coil. 1,468,650; Sept. 25.
Sargent, E. H., & Company. (See Cary-Curr, Henry J., assignor.)
Schiwarl, Mario, New York, N. Y. Method of and apparatus for removing snow. 1,468,977; Sept. 25.
Schimek, Joseph F. (See Kovar, J. H., Schimek, and Cavedon, assignors.)
Schlesinger, Joseph T., New York, N. Y., assignor, by mesne assignments, to Utility Safety Appliance Corporation. Door lock for elevators. 1,468,677; Sept. 25.

Schlesinger, Joseph T., New York, N. Y., assignor, by mesne assignments, to Utility Safety Appliance Corporation. Door lock for elevators. 1,468,678; Sept. 25.
Schmidt, Henry F., Swarthmore, Pa., assignor to Westinghouse Electric & Manufacturing Company. Hotwell ejector. 1,468,746; Sept. 25.
Schmidt Lithograph Company. (See Bray, William J., assignor.)
Schmidt, William. (Busch, G. A., and Schmidt.)
Schneider, William E., Jersey City, N. J. Clothespin. 1,468,884; Sept. 25.
Schoeller, Ferdinand, Opladen, near Cologne, assignor to K. R. Paul, Frankenberg, Saxony, Germany. Treating horsehair fabrics. 1,469,023; Sept. 25.
Schoonover, Daniel R., Tuxedo, N. Y. Clothesline tightener. 1,469,112; Sept. 25.
Schranz, Frederick G., assignor to Southwark Foundry & Machine Company, Philadelphia, Pa. Clothes wringer. 1,468,924; Sept. 25.
Schranz, Frederick G., and W. H. Harman, assignors to Southwark Foundry & Machine Company, Philadelphia, Pa. Clothes wringer. 1,468,925; Sept. 25.
Schreck, Hans L. B., Wheeling, W. Va. Sheet or annealing furnace. 1,468,837; Sept. 25.
Schreiber, Walter T., Baltimore, Md., assignor to U. S. Industrial Alcohol Co. Motor fuel. 1,469,053; Sept. 25.
Schroeder, Anthony, assignor to J. M. Finney, Cleveland, Ohio. Seaming machine. 1,469,024; Sept. 25.
Schuh, Charles H., Brooklyn, N. Y. Cathode for the electrolytic refining of metals. 1,468,838; Sept. 25.
Schulze, Frank G. (See Whitted, H. F., and Schulze.)
Schuman, Albert C., assignor to Reed Manufacturing Company, Newark, N. Y. Nesting device. 1,468,748; Sept. 25.
Schwartz, George L. (See Abraham, C. D., and Schwartz.)
Schweiter, Hans, Horgen, Switzerland. Device for coupling spools and spindles in winding machinery. 1,468,978; Sept. 25.
Scott and Son Proprietary Limited. (See Scott, Ernest, assignor.)
Scott, Ernest, Sunshine, assignor to Scott and Son Proprietary Limited, Melbourne, Victoria, Australia. Centrifugal apparatus for manufacturing concrete pipes and like tubular structures. 1,468,749; Sept. 25.
Sears, Roebuck and Co. (See Hoffman, Rudolph, assignor.)
Sechrist, Charles F., Spokane, Wash. Glare protector. 1,468,750; Sept. 25.
Shapard, Harry L., et al. (See Morris, George T., assignor.)
Shakespeare Company. (See Russell, Samuel G., assignor.)
Shaver, Bert L., Kansas City, Mo. Pistol. 1,468,840; Sept. 25.
Shawmut Engineering Company. (See Burnes, Henry A., assignor.)
Shawmut Engineering Company. (See Hathaway, Edgar F., assignor.)
Shawmut Engineering Company. (See Hathaway, E. F., and Bixby, assignors.)
Shearer, Vance, assignor to Blublaze Motor Specialties Corp., New York, N. Y. Ignition timer for internal-combustion engines. 1,468,885; Sept. 25.
Sheehan, Thomas P., Norwich, Conn. Fillet-winding device. 1,468,859; Sept. 25.
Sheff, Henry W. (See Sheff, William and H. W.)
Sheff, William and H. W., Brooklyn, N. Y. Gold solder. 1,469,191; Sept. 25.
Sheick, Joseph H. (See Watson, John A., assignor.)
Shepard, Lyman, Norfolk, Va., assignor of one-half to George L. Shinn, New Egypt, N. J. Drawing instrument. 1,469,192; Sept. 25.
Sherman, Alvin G., assignor to Detroit Vapor Stove Company, Detroit, Mich. Stove trimming. 1,468,751; Sept. 25.
Sherman, Alvin G., assignor to Detroit Vapor Stove Company, Detroit, Mich. Stove-base construction. 1,468,752; Sept. 25.
Sherman, Alvin G., assignor to Detroit Vapor Stove Company, Detroit, Mich. Stove top and shelf construction. 1,468,753; Sept. 25.
Sherman, Harry E., and L. A., assignors, by mesne assignments, to American Cartridge Company, Kansas City, Mo. Decoy. 1,468,979; Sept. 25.
Sherman, Louie A. (See Sherman, Harry E. and L. A.)
Shinn, George L. (See Shepard, Lyman, assignor.)
Shoultz, Earl K., Vincennes, Ind. Leakproof valve. 1,468,747; Sept. 25.
Shriner, Moral O., assignor to S. A. Shriner, Niagara Falls, N. Y. Ash sifter. 1,469,113; Sept. 25.
Shriner, Salina A. (See Shriner, Moral O., assignor.)
Silvester, John C., Philadelphia, Pa. Filtering apparatus. 1,469,026; Sept. 25.
Simons, Philip, Pewamo, Mich. Harrow or drag tooth. 1,469,115; Sept. 25.
Simpson, James, Glasgow, and R. P. McClure, Ardrossan, Scotland. Fruit press. 1,469,114; Sept. 25.
Simpson, Robert E., Taft, Calif. Wide-expansion underreamer. 1,468,980; Sept. 25.
Sims Company, The. (See Sims, George A., assignor.)
Sims, George A., assignor to The Sims Company, Erie, Pa. Reversible heating or cooling apparatus. 1,469,193; Sept. 25.
Skinner, Thomas M., jr., Douglas, Wyo. Concentrating evaporator. 1,468,679; Sept. 25.
Slack, Thomas W., Fort Worth, Tex. Combined air-pressure release and cover for bottles and the like. 1,468,886; Sept. 25.
Slocomb, Frank F. (See Walker, Henry, assignor.)
Smiley, George E., et al. (See Beaupré, John P., assignor.)
Smith, Charles E., Brooklyn, assignor to Remington Typewriter Company, Ilion, N. Y. Typewriting machine. 1,469,054; Sept. 25.
Smith, David B. (See Orlopp, H. A., and Smith.)
Smith, George J., Peoria, Ill. Dimmer attachment for vehicle lighting systems. 1,468,756; Sept. 25.
Smith, Grant, deceased, Bluefield, W. Va.; M. R. Smith, administratrix. Clamp for wire stretchers. 1,469,204; Sept. 25.
Smith, Grant, deceased, Bluefield, W. Va.; M. R. Smith, administratrix. Wire-fence stretcher. 1,469,205; Sept. 25.
Smith, Henry L., Paterson, N. J. Automobile timing mechanism. 1,468,755; Sept. 25.
Smith, James, Anaconda, Mont. Rail joint. 1,468,926; Sept. 25.
Smith, James R., Palo Alto, Calif. Double boiler. 1,468,841; Sept. 25.
Smith, Lawrence F., Hazard, Ky. Rerailer. 1,469,117; Sept. 25.
Smith, Margaret R., administratrix. (See Smith, Grant.)
Smith, Robert W., assignor of one-half to The Enfield Cycle Company, Limited, Redditch, England. Starting device for motor cycles and the like. 1,469,116; Sept. 25.
Smith, Walter H., assignor to Miller Saw-Trimmer Company, Pittsburgh, Pa. Stop device for sheet feeders. 1,468,754; Sept. 25.
Snyder, O. K., assignor to American Wood Rim Company, Onaway, Mich. Wooden steering wheel with laminated hub. 1,469,194; Sept. 25.
Societe d'Entreprise Meuniere. (See Chopin, Marcel, assignor.)
Southwark Foundry & Machine Company. (See Schranz, Frederick G., assignor.)
Southwark Foundry & Machine Company. (See Schranz, F. G., and Harman, assignors.)
Spaulding, Benjamin S., Arcata, Calif. Log trolley. 1,469,025; Sept. 25.
Special Chemicals Company. (See Pfanstiehl, Carl, assignor.)
Spelcher, Daniel E., Urbana, Ind. Horn seed sower. 1,469,118; Sept. 25.
Speyer, Edmund. (See Freund, M., and Speyer.)
Spire, William H., assignor to The Steel Products Company, Cleveland, Ohio. Making tappets. 1,468,927; Sept. 25.
Spurrier, John R., Bethlehem, Pa., assignor to Roller-Smith Company. Circuit breaker. 1,468,651; Sept. 25.
Stackpole Carbon Company. (See Sullivan, Alan P., assignor.)
Stafford, Lewis F., assignor to Stafford Spring Guard Co., Chicago, Ill. Bumper-attaching bracket. 1,468,757; Sept. 25.
Stafford Spring Guard Co. (See Stafford, Lewis F.)
Stallings, Eugene A., Wirt, Okla. Electrolyte gas and splash escape. 1,469,119; Sept. 25.
Standard Elevator Interlock Company. (See Straley, Thomas H., assignor.)
Standard-Johnson Co. See Donnellan, Edward P., assignor.)
Star Chandelier Company. (See Poritz, Frederick M., assignor.)
Stark, Alma P., Salt Lake City, Utah. Holder for pockets. 1,469,120; Sept. 25.
Staunton, Robert L., Salina, Kans. Lead-joint runner. 1,469,027; Sept. 25.
Steadman, Harry P., Calamas, Iowa. Lifting device for automobile bodies. 1,468,928; Sept. 25.
Steel Products Company, The. (See Spire, William H., assignor.)
Steele, Archie W., Bloomfield, assignor to W. J. Hawkins, Montclair, N. J. Electric fuse. 1,468,758; Sept. 25.
Steele, Wesley, assignor of one-half to W. F. Guttery, Double Springs, Ala. Harrow. 1,469,195; Sept. 25.
Sterrick, Harrison D., Pittsburgh, Pa. Filling attachment. 1,468,887; Sept. 25.
Stewart, Henry A., Highland Park, Mich. Milling-machine head. 1,469,121; Sept. 25.
Stewart-Warner Speedometer Corporation. See Whittington, Frederick G., assignor.)
Stockman, Harry A., assignor of one-half to W. E. Bleloch, Johannesburg, Transvaal, South Africa. Apparatus for crushing or reducing minerals, ores, and other materials. 1,468,759; Sept. 25.
Stone, Earll R., Wilkinsburg, Pa., assignor to Westinghouse Electric & Manufacturing Co. Stoker. 1,468,760; Sept. 25.
Storey, William J., Port Melbourne, Victoria, Australia. Shock absorber. 1,468,652; Sept. 25.
Straley, Thomas H., assignor to Standard Elevator Interlock Company, Philadelphia, Pa. Interlock mechanism for elevators. 1,468,981; Sept. 25.
Strange, Edwin B., Riverdale-on-the-Hudson, N. Y., assignor to J. H. Dunning Corporation. Box fastener. 1,469,196; Sept. 25.

Strawser, George A., Liverpool, assignor of one-half to D. W. Goodling, Richfield, Pa. Attachment for spark plugs. 1,468,929; Sept. 25.
Striganz, Jakob, Milwaukee, Wis. Bumper. 1,469,122; Sept. 25.
Strupe, Cecil H., assignor to Leedy Manufacturing Company, Indianapolis, Ind. Tympano. 1,469,197; Sept. 25.
Stuart, Alexander A. S., New Orleans, La. Toothbrush. 1,468,888; Sept. 25.
Stubblefield, Joseph W., Los Angeles, Calif. Floor-surfacing machine. 1,469,028; Sept. 25.
Stukart, Hendrik, assignor to U. S. Slicing Machine Company, Laporte, Ind. Slice conveyer for slicing machine. 1,469,055; Sept. 25.
Sullivan, Alan P., St. Marys, Pa., assignor to Stackpole Carbon Company. Electrical cement. 1,468,930; Sept. 25.
Sullivan, George I., Philadelphia, Pa. Reminding device. 1,469,056; Sept. 25.
Sullivan, Herbert W., London, England. Duplex telegraphic system. 1,468,982; Sept. 25.
Summers, Harry D., Essington, Pa., assignor to Westinghouse Electric & Manufacturing Company. Bridge gauge. 1,468,761; Sept. 25.
Surface Combustion, Inc. (See Ellis, Carleton, assignor.)
Taggart, Willard T. (See McKee, C. W., and Taggart.)
Taglianbue, Charles, Manufacturing Co. (See Rather, James B., assignor.)
Taylor, Alfred and H. D., York, England. Telescope, microscope, and the like. 1,468,762; Sept. 25.
Taylor, Charles C. (See Taylor, Owen and C. C.)
Taylor, Clarence L., assignor to The Morgan Engineering Company, Alliance, Ohio. Overhead crane. 1,469,123; Sept. 25.
Taylor, Harold D. (See Taylor, Alfred and H. D.)
Taylor, Owen and C. C., Huntington, W. Va. Radiant heater. 1,469,124; Sept. 25.
Tebbs, Fousbee J., Cynthiana, Ky. Lifting device. 1,468,931; Sept. 25.
Telleson, Edward, Binghamton, N. Y. Wheel mount. 1,468,680; Sept. 25.
Temple, Elizabeth A. (See Temple, Thomas I., and E. A.)
Temple, Thomas I. and E. A., Medford, Oreg. Signal. 1,468,763; Sept. 25.
Tennant, Harold M., San Jose, Calif. Comfort grip. 1,469,125; Sept. 25.
Texas Company, The. (See Hall, Frank W., assignor.)
Thelen, Rolf, and H. D. Tiemann, Madison, Wis., dedicated, by mesne assignments, to the People of the United States of America. Reversing blower kiln. 1,468,932; Sept. 25.
Thomas, Daniel J., Youngstown, Ohio. Telescopic nonbreakable and flexible wedge bolt. 1,469,126; Sept. 25.
Thompson, Frank A., Detroit, Mich. Fumigating apparatus. 1,468,842; Sept. 25.
Tiemann, Harry D. (See Thelen, R., and Tiemann.)
Tinder, James H. (See Brierton, B. E., and Tinder.)
Todd, Van Winkle, Milburn, assignor to The Hanson & Van Winkle Company, Newark, N. J. Electroplating apparatus. 1,468,764; Sept. 25.
Toledo Pipe Threading Machine Company, The. (See Vosper, William W., assignor.)
Totzke, Emil M., St. Joseph, Mich. Vehicle spring construction. 1,469,057; Sept. 25.
Townsend, William S., assignor to Guarantee Liquid Measure Company, Rochester, Pa. Indicating attachment for liquid dispensers. 1,468,843; Sept. 25.
Trace, Russell A., assignor to Buckeye Iron and Brass Works, Dayton, Ohio. Cake-forming machine. 1,468,765; Sept. 25.
Traher, Wilfred C., London, Ontario, Canada. Music-leaf binder. 1,469,199; Sept. 25.
Trescott, Stephen O., Battle Mountain, Nev. Aeroplane. 1,468,933; Sept. 25.
Trotman, William E. K., Wood Green, England. Mounting for the dandy rolls of paper-making and like machinery. 1,468,890; Sept. 25.
Trott, Rolland S., Denver, Colo. Classifier. 1,468,844; Sept. 25.
Trotter, Henry R., Swarthmore, Pa., assignor to Westinghouse Electric and Manufacturing Company. Multistage rotary pump. 1,468,889; Sept. 25.
Trussell, Clarence D., assignor to Trussell Manufacturing Company, Poughkeepsie, N. Y. Loose-leaf binder. 1,468,845; Sept. 25.
Trussell, Clarence D., assignor to Trussell Manufacturing Company, Poughkeepsie, N. Y. Loose-leaf binder. 1,468,846; Sept. 25.
Trussell Manufacturing Company. (See Trussell, Clarence D., assignor.)
Tucker, Albert N., Gerrads Cross, England. Means or device for adapting sporting guns or like small arms for miniature ammunition practice or use. 1,468,891; Sept. 25.
Tungsten Products Company, The. (See Bleecker, Warren F., assignor.)
Tuska, Clarence D., Hartford, Conn., assignor to Dubilier Condenser and Radio Corporation, New York, N. Y. Condenser. Re15,689; Sept. 25.
Tuska, Clarence D., Hartford, Conn. Condenser. 1,468,653; Sept. 25.
Tyd, Herman, Valley Stream, N. Y. Combined presser foot and needle guard. 1,468,934; Sept. 25.
U. S. Industrial Alcohol Co. (See Schreiber, Walter T., assignor.)
U. S. Slicing Machine Company. (See Stukart, Hendrik, assignor.)
Underwood, George F., London, and W. Luffsmith, Brighton, assignors to Plantation Rubber Manufacturing Company Limited, London, England. Rubber glove. 1,469,029; Sept. 25.
Underwood Typewriter Company. (See Bond, Joseph W., assignor.)
Underwood Typewriter Company. (See Kurowski, Alfred G. F., assignor.)
Underwood Typewriter Company. (See Neahr, Jacob E., assignor.)
United Shoe Machinery Corporation. (See Erickson, Edward, assignor.)
United Shoe Machinery Corporation. (See Gifford, John H., assignor.)
United Shoe Machinery Corporation. (See Goddu, G., and MacKenzie, assignors.)
United Shoe Machinery Corporation. (See Meyer, William C., assignor.)
United Shoe Machinery Corporation. (See Wentworth, Samuel J., assignor.)
Utility Safety Appliance Corporation. (See Schlesinger, Joseph T., assignor.)
Uytenbogaart, Petrus J. A., Dauphin, Manitoba, Canada. Pipe. 1,468,681; Sept. 25.
Valenducq, Laurent. (See Mullard, E., Valenducq, and Dubois.)
Van Dorn, Herbert E., Chicago, Ill. Drawbar carrier. 1,468,766; Sept. 25.
Vasselli, Anthony, Newark, N. J., assignor, by mesne assignments, to General Phonograph Corporation, New York, N. Y. Sound-reproducing apparatus. 1,468,767; Sept. 25.
Ver Mehr, John, London, England. Building brick, block, and the like. 1,468,892; Sept. 25.
Vester, Alfred, Sons, Inc. (See McFadden, Glenn E., assignor.)
Vettel, Willis, Hornbrook, Calif. Helicopter. 1,468,847; Sept. 25.
Vogel, Joshua F., and F. A. Nauts, assignors to The Gendron Wheel Company, Toledo, Ohio. Spindle mounting. 1,468,768; Sept. 25.
Von Codelli, Anton F., Moste, near Laibach, Yugoslavia. Miniature cooling apparatus. 1,468,876; Sept. 25.
Vosper, William W., assignor to The Toledo Pipe Threading Machine Company, Toledo, Ohio. Pipe-cutting machine. 1,468,935; Sept. 25.
Waldo, Willis G. (See Peacock, Samuel, assignor.)
Walker, Henry, assignor of one-half to F. F. Slocomb, Wilmington, Del. Sound box. 1,469,058; Sept. 25.
Wallace, Frank W., Chattanooga, Tenn. Coaster. 1,468,682; Sept. 25.
Wallace, Fred S., Cleveland, Ohio. Method of and means for handling and hacking bricks. 1,469,200; Sept. 25.
Washburn, Harvey B. (See Bird, C. K., and Washburn.)
Watkinson, Arthur, London, England. Window or the like. 1,468,983; Sept. 25.
Watson, John A., assignor of one-half to J. H. Sheick, Cincinnati, Ohio. Chimney. 1,469,030; Sept. 25.
Wear, Frank F., Los Angeles, Calif. Market-bag holder. 1,468,848; Sept. 25.
Weaver, John W., Toledo, Ohio. Amusement device. 1,468,984; Sept. 25.
Wedmore, Edmund B., Golder's Green, England, assignor to General Electric Company. Protective device. 1,469,127; Sept. 25.
Weiss, Carl W., New York, N. Y. Transmission device. 1,469,059; Sept. 25.
Weiss, Carl W., Brooklyn, N. Y. Transmission device. 1,469,060; Sept. 25.
Weiss, Carl W., Brooklyn, N. Y. Transmission device. 1,469,061; Sept. 25.
Welcker, Paul H., assignor to Brown & Bigelow, St. Paul, Minn. Calendar. 1,469,062; Sept. 25.
Weldon, John J., Pittsfield, Mass., assignor to General Electric Company. Combined coating and winding machine. 1,469,128; Sept. 25.
Weningman, Carl B., Lowell, Mass., assignor to American Emblem Company, Inc. Ash tray. Des. 63,061; Sept. 25.
Wentworth, Samuel J., Newport, Ky., assignor to United Shoe Machinery Corporation, Paterson, N. J. Heel-lift-assembling machine. 1,468,683; Sept. 25.
Wernert, Joseph. (See Kerr, John M., assignor.)
West, William T., Denmark, Tenn. Seed-saving means. 1,468,849; Sept. 25.
Westerman, Claude C., assignor of one-half to G. L. Westerman, Bremen, Ohio. Self feeder for stock. 1,469,129; Sept. 25.
Westerman, G. L. (See Westerman, Claude C., assignor.)
Westinghouse Electric and Manufacturing Company. (See Herr, Herbert T., assignor.)
Westinghouse Electric & Manufacturing Company. (See MacMurchy, John A., assignor.)
Westinghouse Electric & Manufacturing Company. (See Schmidt, Henry F., assignor.)
Westinghouse Electric & Manufacturing Company. (See Stone, Earll R., assignor.)
Westinghouse Electric & Manufacturing Company. (See Summers, Harry D., assignor.)

Westinghouse Electric and Manufacturing Company. (See Trotter, Henry R., assignor.)
White, John F., assignor, by mesne assignments, to White Products Company, Chicago, Ill. Lock. 1,468,654; Sept. 25.
White Products Company. (See White, John F., assignor.)
Whitehair, Pleasant P., Chapman, Kans. Indoor-golf game. 1,469,130; Sept. 25.
Whiteside, Robert H., Oakland, Calif. Nut lock. 1,469,131; Sept. 25.
Whitted, Howard F., and F. G. Schulze, Santa Paula, Calif. Automatic inflating device. 1,469,201; Sept. 25.
Whittington, Frederik G., Evanston, assignor to Stewart-Warner Speedometer Corporation, Chicago, Ill. Electric switch. 1,468,985; Sept. 25.
Wickes Boiler Company, The. (See Baker, John F. L., assignor.)
Wigner, Sirenaus W., assignor of one-half to E. E. Pascoe, Phoenix, Ariz. Signal for automobiles. 1,468,684; Sept. 25.
Williams Engineering Company Limited. (See Williams, Victor S., assignor.)
Williams, Peter K., Columbus, Ohio. Belt buckle. 1,468,769; Sept. 25.
Williams, Victor S., assignor of one-half to Williams Engineering Company Limited, London, England. Type-casting machine. 1,468,850; Sept. 25.
Wills, Childe H., Marysville, Mich. Oil-feeding means. 1,469,063; Sept. 25.
Wilsman, Edwin W., Green Bay, Wis. Blotter holder. 1,468,770; Sept. 25.
Wilson, Walter J., Sewickley, Pa. Cutting apparatus for mining machines. 1,469,132; Sept. 25.
Wilthil, Bernhard, Flushing, N. Y. Saw setting and sharpening machine. 1,468,988; Sept. 25.
Winter, Robert R., Leland, Miss. Fan attachment. 1,468,851; Sept. 25.
Wise, Joseph C., Redwood City, assignor of one-fourth to E. Meyers, Oakland, Calif. Bookmark. 1,468,685; Sept. 25.
Wolever, Franklin H., Chicago, Ill. Pulverizing mill. 1,468,893; Sept. 25.
Wolfe, Arthur F., Philadelphia, Pa. Radiator for motor vehicles. 1,468,686; Sept. 25.
Wolfe, Jesse F., San Antonio, Tex. Fastening shade-operating cords. 1,469,133; Sept. 25.
Wolfe, John A., et al. (See Haubert, Leo, assignor.)
Wollams, Kenneth. (See Rhodes, W. J., and Wallams.)
Wood, Arthur C., assignor to The Ohio Brass Company, Mansfield, Ohio. Conductor support. 1,469,134; Sept. 25.
Wood, Harry M., Morden, England. Rim brake for cycles and the like vehicles. 1,469,202; Sept. 25.
Wood, John, Manufacturing Company. (See Mauck, Victor, assignor.)
Woodruff, Alvie C., Portland, Oreg. Dirigible headlight. 1,469,203; Sept. 25.
Wraith, Charles R. (See Jones, L. E., and Wraith.)
Wygant, Frederick A. (See Hand, E. E., and Wygant.)
Wykes, Ernest, Humboldt, Iowa. Radiator. 1,469,135; Sept. 25.
Yeager, Leo R., and W. M. Holmes, Columbus, Ohio, assignors, by mesne assignments, to said Yeager. Vehicle light. 1,468,655; Sept. 25.
Zajicek, Joseph, jr., New York, N. Y. Ear and nail cleaner. 1,468,894; Sept. 25.
Zimmer, Henry C. F., St. Paul, Minn. Box cover. 1,468,852; Sept. 25.
Ziska, Adam, jr., assignor to Harley-Davidson Motor Co., Milwaukee, Wis. Seat. 1,469,136; Sept. 25.
Zucker, Gottlieb F., Chicago, Ill. Windmill. 1,469,064; Sept. 25.

ALPHABETICAL LIST OF INVENTIONS

FOR WHICH

PATENTS WERE ISSUED ON THE 25TH DAY OF SEPTEMBER, 1923.

NOTE.—Arranged in accordance with the first significant character or word of the name (in accordance with city and telephone directory practice). **Includes patents, reissues, and designs.**

Abdominal supporter. A. J. Freedenberg. 1,469,069; Sept. 25.
Abrasive articles of manufacture and product, Making. F. J. Crupi. 1,468,960; Sept. 25.
Acid, Production of phosphoric. S. Peacock. 1,468,741; Sept. 25.
Acid, Recovering oxalic. E. A. Barnes. 1,468,792; Sept. 25.
Aeroplane. S. O. Trescott. 1,468,933; Sept. 25.
Airplanes, Vertical-control device for. B. W. Bloomquist. 1,468,772; Sept. 25.
Alloy. O. Najacht. 1,468,828; Sept. 25.
Alloy steel and articles made therefrom. P. A. E. Armstrong. 1,468,937; Sept. 25.
Aluminum chloride, Apparatus for the manufacture of. F. W. Hall. 1,468,632; Sept. 25.
Amalgam carrier and plugger. G. Holtz. 1,469,004; Sept. 25.
Amalgamator and separator. C. Meyer and H. B. Meade. 1,469,007; Sept. 25.
Amusement device. J. W. Weaver. 1,468,984; Sept. 25.
Apparel impervious to acids and poisonous gases and making same, Wearing. C. D. Abraham and G. L. Schwartz. 1,468,791; Sept. 25.
Ash tray. C. B. Wenigman. Des. 63,061; Sept. 25.
Auto doors, Sign for. C. C. Patten, J. H. Date, and F. B. Madigan. 1,468,672; Sept. 25.
Automatic regulator. J. S. O'Hara. 1,468,729; Sept. 25.
Automobile accessory. M. Rahr, jr. 1,469,109; Sept. 25.
Automobile bodies, Lifting device for. H. P. Steadman. 1,468,928; Sept. 25.
Automobile doors, Curtain holder for. A. L. Christian. 1,468,657; Sept. 25.
Automobile drivers, Protective shield for. W. Olcott. 1,469,102; Sept. 25.
Automobile fender. T. Fleishman. 1,468,940; Sept. 25.
Automobile lights, Dimming switch for. C. W. McKee and W. T. Taggart. 1,468,882; Sept. 25.
Automobile signal. S. W. Wigner. 1,468,684; Sept. 25.
Automobile timing mechanism. H. L. Smith. 1,468,755; Sept. 25.
Automobiles, Clasp for removing disk clutches on. J. Rickart. 1,468,976; Sept. 25.
Bag frames, Manufacturing. F. A. Fuller. 1,468,941; Sept. 25.
Bag holder, Market-. F. F. Wear. 1,468,848; Sept. 25.
Bag-mouth expander. A. J. La Grandeur and E. C. Anderson. 1,468,709; Sept. 25.
Bank, Savings. F. Madle. 1,468,911; Sept. 25.
Bath, Portable shower. G. F. Hutton. 1,468,863; Sept. 25.
Bathtubs, Attachment for. W. O. Porter. 1,468,744; Sept. 25.
Battery: *See*—
  Electric battery.
Bearing, Floating jewel. K. B. Glenn. 1,469,079; Sept. 25.
Beehives, Ventilating gate for. J. B. Cottam. 1,468,995; Sept. 25.
Beds, Device for use with. J. T. Bennett. 1,468,624; Sept. 25.
Belt cutting and trimming machine. J. T. Davison. 1,469,154; Sept. 25.
Belt-loading machine. H. M. Rockwell. 1,468,870; Sept. 25.
Binder, Loose-leaf. C. D. Trussell. 1,468,845–6; Sept. 25.
Binder, Music-leaf. W. C. Traher. 1,469,199; Sept. 25.
Binding post. C. Phillips, jr. 1,469,107; Sept. 25.
Blanc fixe. J. B. Pierce, jr. 1,468,867; Sept. 25.
Blotter holder. E. W. Wilsman. 1,468,770; Sept. 25.
Board: *See*—
  Paperboard.
Boiler: *See*—
  Double boiler. Water-tube boiler.
Boiler headers, Making. J. F. L. Baker. 1,468,692; Sept. 25.
Bookmark. R. Mallina. 1,469,163; Sept. 25.
Bookmark. J. C. Wise. 1,468,685; Sept. 25.
Boots, shoes, and the like, Rack for. J. S. Cantelo. 1,468,800; Sept. 25.
Bottle protector. V. Hamilton. 1,468,808; Sept. 25.
Bottles and the like, Combined air-pressure release and cover for. T. W. Slack. 1,468,886; Sept. 25.
Box: *See*—
  Sound box.
Box blank, Fruit-. W. J. Bray. 1,468,696; Sept. 25.
Box cover. H. C. F. Zimmer. 1,468,852; Sept. 25.
Box fastener. E. B. Strange. 1,469,196; Sept. 25.
Bracket: *See*—
  Bumper-attaching bracket. Shelf bracket.
Bracket back. E. S. Lewis. Des. 63,055; Sept. 25.
Brake bands, brake shoes, etc., Lining or friction member for. F. A. Headson. 1,468,634; Sept. 25.
Brake-equalizing device. E. G. Lefever. 1,468,910; Sept. 25.
Brake-operating mechanism. H. E. Anderson. 1,468,691; Sept. 25.
Brick and other clay articles, Apparatus for drying. J. C. Boss. 1,468,990; Sept. 25.
Bricks, Method of and means for handling and hacking. F. S. Wallace. 1,469,200; Sept. 25.
Bridge gauge. H. D. Summers. 1,468,761; Sept. 25.
Brooms, Machine for filling rotary. L. J. Remmele. 1,468,922; Sept. 25.
Buckle, Belt. P. K. Williams. 1,468,769; Sept. 25.
Building brick, block, and the like. J. ver Mehr. 1,468,892; Sept. 25.
Building construction. J. H. Killion. 1,468,968; Sept. 25.
Building construction. W. S. Holmes. 1,468,812; Sept. 25.
Building construction. R. Z. Hopkins. 1,468,945; Sept. 25.
Bumper. J. Striganz. 1,469,122; Sept. 25.
Bumper-attaching bracket. L. F. Stafford. 1,468,757; Sept. 25.
Bunker. C. Paff. 1,468,647; Sept. 25.
Burner. J. H. Gooch. 1,468,782; Sept. 25.
Bus, Passenger. E. Leindorf. 1,468,710; Sept. 25.
Cabinet, Air-hose. W. Doll. 1,468,776; Sept. 25.
Cabinet joint. J. S. Knechtel. 1,468,786; Sept. 25.
Cage, Bird. K. W. Oster. 1,468,730; Sept. 25.
Cake-forming machine. R. A. Trace. 1,468,765; Sept. 25.
Calculating machine. G. C. Chase. 1,468,992; Sept. 25.
Calendar. P. H. Welcker. 1,469,062; Sept. 25.
Can-forming mechanism. V. Mauck. 1,468,724; Sept. 25.
Cans, Process and apparatus for closing filled. F. Huntar. 1,468,785; Sept. 25.
Car construction. F. S. Gallagher. 1,468,630; Sept. 25.
Car construction. J. O. Nelkirk. 1,468,645; Sept. 25.
Car coupler. W. H. McCaffrey. 1,468,725; Sept. 25.
Car door, Box-. R. A. Bowen. 1,468,796; Sep. 25.
Cars, Hand brake for railway. S. B. Haseltine. 1,469,084; Sept. 25.
Carburant for alcohol. J. M. A. Chevalier, P. Bourcet, and H. Regnault. 1,469,148; Sept. 25.
Card, Sample. C. H. Goldman. 1,469,081; Sept. 25.
Carding machines, Condensing apparatus for. J. H. Kovar, J. F. Schimek, and A. Cavedon. 1,469,005; Sept. 25.
Carrier: *See*—
  Drawbar carrier. Message carrier.
Case: *See*—
  Show case.
Cement, Electrical. A. P. Sullivan. 1,468,930; Sept. 25.
Ceramic ware, Furnace for decorating. J. A. Jeffery. 1,468,947; Sept. 25.
Chain connector. E. N. Malvern. 1,469,164; Sept. 25.
Chain, Cutting. E. C. Morgan. 1,468,866; Sept. 25.
Chain fastener. T. A. Johnson. 1,469,089; Sept. 25.
Chair: *See*—
  Folding chair.
Chair and ironing board, Combined. P. T. Jones. 1,468,817; Sept. 25.
Chandelier, Ceiling. F. M. Poritz. Des. 63,060; Sept. 25.
Chemical reactions, Performing. W. Kochmann. 1,468,708; Sept. 25.
Chick-feeding device. G. W. Mitchell. 1,468,668; Sept. 25.
Chimney. J. A. Watson. 1,469,030; Sept. 25.
Churn. G. O. Powell. 1,468,745; Sept. 25.
Cigarettes, cigars, or the like, Pocket case for. J. Goerk. 1,469,080; Sept. 25.
Circuit breaker. J. R. Spurrier. 1,468,651; Sept. 25.
Clamp. C. H. Kneeland. 1,468,718; Sept. 25.
Classifier. R. S. Trott. 1,468,844; Sept. 25.
Cleaner: *See*—
  Ear and nail cleaner.
Clipper. W. L. Dodson. 1,469,072; Sept. 25.
Closet, Sanitary dry. E. J. Owen. 1,468,829; Sept. 25.
Clothes wringer. F. G. Schranz. 1,468,924; Sept. 25.
Clothes wringer. F. G. Schranz and W. H. Harman. 1,468,925; Sept. 25.

Clothes-wringer mechanism. W. H. Huenergardt. 1,468,814; Sept. 25.
Clothesline holder. J. P. Cunningham. 1,468,699; Sept. 25.
Clothesline tightener. D. R. Schoonover. 1,469,112; Sept. 25.
Clothespin. W. E. Schneider. 1,468,884; Sept. 25.
Coaster. F. W. Wallace. 1,468,682; Sept. 25.
Coated fabric. L. Kirkpatrick. 1,468,818; Sept. 25.
Coating and winding machine, Combined. J. J. Weldon. 1,469,128; Sept. 25.
Coffee percolator. J. L. Lemoine. 1,468,642; Sept. 25.
Coins, Device for operating upon. W. J. Brennan. 1,468,874; Sept. 25.
Coke wharf. E. J. Mason. 1,468,971; Sept. 25.
Commutator compound. J. E. Fisher. 1,469,039; Sept. 25.
Composition of matter. L. E. Brownell. 1,468,957; Sept. 25.
Compressors, Regulating mechanism for. H. Abbott. 1,468,987; Sept. 25.
Concentrator. H. F. Platner. 1,469,019; Sept. 25.
Concrete-form tie and spacer. H. A. Orlopp and D. B. Smith. 1,468,790; Sept. 25.
Concrete pipes and like tubular structures, Centrifugal apparatus for manufacturing. E. Scott. 1,468,749; Sept. 25.
Concrete structures, Anchoring insert for. E. McTowe. 1,469,198; Sept. 25.
Concrete structures, Form for. H. E. Dunn. 1,468,702; Sept. 25.
Condenser. C. H. Tuska. 1,468,653; Sept. 25.
Condenser. C. H. Tuska. Re15689; Sept. 25.
Conductor support. S. S. Matthes. 1,469,098; Sept. 25.
Conductor support. A. C. Wood. 1,469,134; Sept. 25.
Container top. F. Coates. 1,469,067; Sept. 25.
Containers, Ventilating cover for. G. T. Morris 1,469,169; Sept. 25.
Control mechanism. T. C. Roberts. 1,468,675; Sept. 25.
Cooking vessels, Safety cover for. B. A. Krafft. 1,468,908; Sept. 25.
Copying apparatus. D. Eugster. 1,468,939; Sept. 25.
Coupling. C. C. Bradbury. 1,468,732; Sept. 25.
Coupling. E. W. Johnston. 1,468,767; Sept. 25.
Coupling. C. Overstreet. 1,469,009; Sept. 25.
Counting mechanism. E. P. Donnellan. 1,468,733; Sept. 25.
Crane, Overhead. C. L. Taylor. 1,469,123; Sept. 25.
Crank pins, and effecting like operations, Implement for truing. F. Badcock. 1,468,952; Sept. 25.
Cup: *See*—
Grease cup.
Curling iron. N. E. Mann. 1,469,047; Sept. 25.
Cutter: *See*—
Milling cutter. Tooth cutter.
Cutter. O. F. Cooper. 1,469,153; Sept. 25.
Cycles and the like vehicles, Rim brake for. H. M. Wood. 1,469,202; Sept. 25.
Decoy. H. E. and L. A. Sherman. 1,468,979; Sept. 25.
Decoy, Inflatable. G. H. Moore. 1,469,188; Sept. 25.
Dental absorbent-roll holder. S. Newman. 1,469,049; Sept. 25.
Dental attachment for removable bridges and clasp dentures. S. Donkow. 1,469,177; Sept. 25.
Dental floss holder. F. O. Gamble. 1,468,942; Sept. 25.
Dividing head. J. A. Poitras. 1,469,051; Sept. 25.
Diecasting machine. E. N. Dollin. 1,469,073; Sept. 25.
Distilling apparatus, Fractional. E. A. R. Chenard. 1,468,899; Sept. 25.
Door check. T. M. Day. 1,468,700; Sept. 25.
Door-operating device. C. L. Marsh. 1,469,165; Sept. 25.
Double boiler. J. R. Smith. 1,468,841; Sept. 25.
Dough, Machine for grating. P. W. Funck. 1,469,142; Sept. 25.
Dough, Preparing. W. A. Darrah. 1,468,775; Sept. 25.
Draft gauge. L. E. Jones and C. R. Wraith. 1,468,948; Sept. 25.
Draft regulator. W. L. Keene. 1,469,158–9; Sept. 25.
Drawbar carrier. H. E. Van Dorn. 1,468,766; Sept. 25.
Drawing instrument. L. Shepard. 1,469,192; Sept. 25.
Drip-pan support and burner-box construction. A. Meadows. 1,468,738; Sept. 25.
Dumping body. Rocker. W. C. Anthony. Re15,690; Sept. 25.
Ear and nail cleaner. J. Zajicek, jr. 1,468,894; Sept. 25.
Egg beater and mixer. A. W. Minney. 1,468,826; Sept. 25.
Egg crate, Folding. C. Anspach. 1,468,936; Sept. 25.
Electric battery. L. L. Jones. 1,469,015; Sept. 25.
Electric connector. E. A. Kuen. 1,469,186; Sept. 25.
Electric-contact-operating device. O. M. Leich. 1,468,789; Sept. 25.
Electric furnace. W. F. Bleecker. 1,469,033; Sept. 25.
Electric-lighting device. R. B. Benjamin. 1,469,034; Sept. 25.
Electric switch. F. G. Whittington. 1,468,985; Sept. 25.
Electrical contacts, Making. C. A. Laise and O. C. Hollopeter. 1,469,043; Sept. 25.
Electrolyte gas and splash escape. E. A. Stallings. 1,469,119; Sept. 25.
Electron-discharge apparatus. H. E. Dunham. 1,469,075; Sept. 25.
Electroplating apparatus. V. Todd. 1,468,764; Sept. 25.
Elevator-door lock. J. T. Schlesinger. 1,468,677–8; Sept. 25.
Elevators, Interlock mechanism for. T. H. Straley. 1,468,981; Sept. 25.
Engine: *See*—
Internal-combustion engine.
Engine starter. V. Bendix. 1,468,623; Sept. 25.
Engines, Ignition timer for internal-combustion. V. Shearer. 1,468,885; Sept. 25.
Engines, Silencer for use in connection with internal-combustion. R. G. Allan. 1,468,895; Sept. 25.
Evaporator, Concentrating. T. M. Skinner, jr. 1,468,679; Sept. 25.
Extraction apparatus. H. J. Cary-Curr. 1,468,961; Sept. 25.
Fabric: *See*—
Coated fabric.
Fabrics, Machine for tearing. J. D. Frier. 1,468,713; Sept. 25.
Fabrics, Tuft frame for weaving pile. E. F. Hathaway. 1,469,184; Sept. 25.
Fair leader. V. F. Jewett. 1,469,014; Sept. 25.
Fan. M. M. Glasser. 1,468,690; Sept. 25.
Fan and making same, Centrifugal. N. H. Henderson. 1,469,086; Sept. 25.
Fan attachment. R. R. Winter. 1,468,851; Sept. 25.
Fasteners, Machine for upsetting and clinching tubular. J. H. Gifford. 1,468,662; Sept. 25.
Feed-water heater. R. N. Ehrhart. 1,469,068; Sept. 25.
Feeder for stock, Self-. C. C. Westerman. 1,469,129; Sept. 25.
Feeder, Poultry-. M. R. Jacobus. 1,469,013; Sept. 25.
Fender: *See*—
Automobile fender.
Ferrotyping, polishing, and drying apparatus. A. L. Mayer. 1,469,099; Sept. 25.
Ferrule. J. H. and V. J. Kersting. 1,468,716; Sept. 25.
Fertilizer-spraying device. H. J. D'Arcy. 1,469,065; Sept. 25.
Fillet-winding device. T. P. Sheehan. 1,468,839; Sept. 25.
Filling attachment. H. D. Sterrick. 1,468,887; Sept. 25.
Filling machine, Back-. L. A. Krupp. 1,468,950; Sept. 25.
Film cartridge. E. F. Klingsbury. 1,469,017; Sept. 25.
Film-reel band. A. E. Hoeft. 1,468,636; Sept. 25.
Filtering apparatus. J. C. Silvester. 1,469,026; Sept. 25.
Fireplace heater. W. J. Groth. 1,468,964; Sept. 25.
Fish bait, Artificial. J. W. Dickens. 1,468,627; Sept. 25.
Fish slicing and backbone-removing machine. C. Meissner. 1,468,972; Sept. 25.
Fishing float. J. C. Low. 1,468,720; Sept. 25.
Fishing reel. S. G. Russell. 1,468,676; Sept. 25.
Flame-measuring device. J. B. Rather. 1,469,052; Sept. 25.
Floor-surfacing machine. J. W. Stubblefield. 1,469,028; Sept. 25.
Fluid-pressure-control mechanism. E. N. Dollin. 1,469,074; Sept. 25.
Flying machine. F. Caproni. Re15,688; Sept. 25.
Folding chair. B. M. Beskow. 1,468,872; Sept. 25.
Fork. A. P. Adler. Des. 63,047; Sept. 25.
Frame: *See*—
Tube frame. Twisting frame.
Friction shell and spring cage for draft gears. J. F. O'Connor. 1,469,101; Sept. 25.
Fruit press. J. Simpson and R. P. McClure. 1,469,144; Sept. 25.
Fruits and vegetables, Apparatus for peeling. W. D. Bost, H. M. Miller, and G. W. Garwood. 1,468,873; Sept. 25.
Fuel feeding and distributing apparatus, Pulverized-. C. F. Herington. 1,468,966; Sept. 25.
Fuel, Motor. W. T. Schreiber. 1,469,053; Sept. 25.
Fuel-oil filter. W. Inman. 1,468,906; Sept. 25.
Fumigating apparatus. F. A. Thompson. 1,468,842; Sept. 25.
Furnace: *See*—
Electric furnace.
Furnaces, Charging apparatus for enameling. W. Hogenson. 1,468,944; Sept. 25.
Furnace construction. J. Gates. 1,469,000. Sept. 25.
Furniture, Combination kitchen. R. E. Kimball. 1,468,665; Sept. 25.
Fuse clip and retainer. I. I. W. Nedra. 1,468,915; Sept. 25.
Fuse, Electric. A. W. Steele. 1,468,758; Sept. 25.
Garden tool. W. J. Kessel. 1,469,160; Sept. 25.
Gas-burner attachment. H. A. Reitz. 1,468,921; Sept. 25.
Gases containing hydrogen sulphide in the separation of metals, Utilizing. C. Berthelot. 1,468,988; Sept. 25.
Gasket protector. M. McIntyre. 1,468,824; Sept. 25.
Gauge: *See*—
Bridge gauge. Pressure gauge.
Draft gauge.
Gear construction. J. E. Blodgett. 1,468,794; Sept. 25.
Gearing, Differential. D. D. Ormsby. 1,469,190; Sept. 25.
Glare protector. C. F. Sechrist. 1,468,750; Sept. 25.
Glider. W. Inbelder. 1,469,156; Sept. 25.
Golf game, Indoor-. P. P. Whitehair. 1,469,130; Sept. 25.
Grease cup. J. Owens. 1,468,918–19; Sept. 25.
Grip, Comfort. H. M. Tennant. 1,469,125; Sept. 25.
Gun barrels, Assemblage device for sporting-. P. and M. Fabry. 1,468,902; Sept. 25.

Guns or like small arms for miniature ammunition practice or use, Means or device for adapting, sporting. A. N. Tucker. 1,468,891; Sept. 25.
Gyrostat, Electric. A. H. McComiskey, jr. 1,469,094; Sept. 25.
Hammer, Drop. J. R. Blakeslee. 1,468,953; Sept. 25.
Hand bags, Reenforcement for. J. B. Johnson. 1,468,816; Sept. 25.
Handle: *See*—
Jack handle.
Harrow. W. Steele. 1,469,195; Sept. 25.
Harrow or drag tooth. P. Simons. 1,469,115. Sept. 25.
Harvester-frame construction. M. D. Kast. 1,469,157; Sept. 25.
Harvesting machine, Corn-. W. E. Koch. 1,469,161; Sept. 25.
Hasp hook. H. E. Hodgson. 1,468,861; Sept. 25.
Hatbox, Lady's. A. J. Crantz. 1,468,658; Sept. 25.
Hat protector. J. J. O'Leary. 1,469,189; Sept. 25.
Headlight, Light-deflecting. C. E. Hughes. 1,468,784; Sept. 25.
Headlight, Dirigible. J. W. Jennings. 1,468,637; Sept. 25.
Headlight, Dirigible. A. C. Woodruff. 1,469,203; Sept. 25.
Headrest. F. C. Hall. 1,469,082; Sept. 25.
Heat-supplying apparatus. C. Ellis. 1,469,178; Sept. 25.
Heater: *See*—
Feed-water heater. Oil heater.
Fire-place heater. Radiant heater.
Heater and water circulator, Tank. A. H. Ostrander. 1,468,670; Sept. 25.
Heating device, Electrical. B. W. Macy. 1,468,722; Sept. 25.
Heating or cooling apparatus, Reversible. G. A. Sims. 1,469,193; Sept. 25.
Heel-lift-assembling machine. S. J. Wentworth. 1,468,683; Sept. 25.
Helicopter. W. Vettel. 1,468,847. Sept. 25.
Hides, Tanning. A. Lüttringhaus and L. Blangey. 1,469,044; Sept. 25.
Hoe. W. F. Dunbar. 1,468,628; Sept. 25.
Hoe and rake tool, Combined. M. Harris. 1,469,144; Sept. 25.
Hook: *See*—
Hasp hook.
Horse-hair fabrics, Treating. F. Schoeller. 1,469,023; Sept. 25.
Hose elevating and supporting device. J. E. Addy. 1,468,620; Sept. 25.
Hot plate. R. Matsushita. 1,469,166; Sept. 25.
Hotwell ejector. H. F. Schmidt. 1,468,746; Sept. 25.
Humidor. R. Ornduff. 1,469,104; Sept. 25.
Hydrocarbon motor. H. D. Church. 1,469,149; Sept. 25.
Identification tag. C. F. Mitchell and C. R. Boesche. 1,469,100; Sept. 25.
Ignition circuits, Switch for controlling. J. A. Bessey, jr. 1,468,793; Sept. 25.
Images by transmitted light, Producing. B. P. Hall. 1,468,965; Sept. 25.
Indicating or recording device particularly adapted for use by golfers. N. G. Eveson. 1,468,901. Sept. 25.
Indicator: *See*—
Vehicle-direction indicator.
Inflating device, Automatic. H. F. Whitted and F. G. Schulze. 1,469,201; Sept. 25.
Inspection table. W. A. Conant. 1,468,803; Sept. 25.
Insulator, Section. K. Fritsch. 1,469,078; Sept. 25.
Internal-combustion engine. C. L. Austin, jr. 1,469,031; Sept. 25.
Internal-combustion engine. J. Davidson. 1,468,962; Sept. 25.
Internal-combustion engine. E. R. Hewitt. 1,469,087; Sept. 25.
Internal-combustion engine. C. H. Knudsen. 1,468,819; Sept. 25.
Iron: *See*—
Curling iron.
Iron or steel articles, Metal-coated. J. L. Herman. 1,468,905; Sept. 25.
Ironer, Garment. B. W. Macy. 1,468,721; Sept. 25.
Ironing device, Electrically-heated. B. W. Macy. 1,468,723; Sept. 25.
Jack handle. E. E. Arnold. 1,468,771; Sept. 25.
Joint: *See*—
Cabinet joint. Rail joint.
Lock joint.
Keyhole guard. W. D. Bresee. 1,468,955; Sept. 25.
Kiln, Reversing blower. R. Thelen and H. D. Tiemann. 1,468,932; Sept. 25.
Knitted fabric. H. Gropper. 1,468,963; Sept. 25.
Knitting machine. A. F. Bredannaz. 1,468,697; Sept. 25.
Lamp, Reading. E. Mullard, L. Valenducq, and J. Dubois. 1,468,727; Sept. 25.
Lamp shade. S. G. Mandallan. 1,468,865; Sept. 25.
Lamp socket. L. Erikson. 1,469,038; Sept. 25.
Lamp, Vehicle. E. A. Kuen. 1,469,187; Sept. 25.
Lantern. J. W. Gosling. Des. 63,050; Sept. 25.
Lantern, Wall. G. J. Klein. Des. 63,053; Sept. 25.
Last, Shoe. C. K. MacDonald. 1,468,644; Sept. 25.
Latch hood. L. Massurger and L. Marqué. 1,468,823; Sept. 25.
Lathes, Cross-feed stop for. C. S. Pool. 1,469,108; Sept. 25.
Latch for vehicle doors. S. M. Bradley. 1,468,954; Sept. 25.
Lead-joint runner. R. L. Staunton. 1,469,027; Sept. 25.
Leather goods, Sewing implement for. S. Cortese. 1,468,698; Sept. 25.
Level. A. C. Elliott. 1,468,688; Sept. 25.
Lifting device. F. J. Tebbs. 1,468,931; Sept. 25.
Lightning arrester and heat coil. R. G. Sands. 1,468,650; Sept. 25.
Lighting-fixture bracket. F. S. Crowell. Des. 63,049; Sept. 25.
Lighting fixtures, Ceiling light for. G. E. McFadden. Des. 63,057; Sept. 25.
Liquid dispensers, Indicating attachment for. W. S. Townsend. 1,468,843; Sept. 25.
Liquids and gases, Process and apparatus for mixing. W. Paterson. 1,468,739; Sept. 25.
Liquids, Centrifugal separation and centrifugal filtration of. C. F. Paul, jr. 1,468,740; Sept. 25.
Liquids, Electrically treating. H. B. Rudd. 1,468,649; Sept. 25.
Liquids, Process and apparatus for dispensing. R. Black. 1,468,989; Sept. 25.
Loading machine. P. J. McDonald. 1,469,046; Sept. 25.
Lock: *See*—
Elevator-door lock.
Lock. J. F. White. 1,468,654; Sept. 25.
Lock joint, Adjustable. H. Cohen. 1,468,659; Sept. 25.
Locomotive, Electric. H. Pieper. 1,468,920; Sept. 25.
Locomotive driving journals, Lubricator for. A. T. Kuehner. 1,468,909; Sept. 25.
Lubricating shackle bolt. C. G. Butler. 1,468,656; Sept. 25.
Lubricating system, Splash. L. M. and M. A. Endres. 1,468,778; Sept. 25.
Lubricators, Distributor for. T. E. Coleman. 1,468,802; Sept. 25.
Luggage carrier and rear bumper. W. G. Engle. 1,468,779; Sept. 25.
Magnetos, Driving attachment for. A. Rosner. 1,468,883; Sept. 25.
Mail-bag catching and delivery apparatus. J. M. Kerr. 1,469,091; Sept. 25.
Malocclusion, Apparatus for correcting. C. K. Bird and H. B. Washburn. 1,468,731; Sept. 25.
Measuring transmission, Apparatus and method for. H. S. Hamilton. 1,468,704; Sept. 25.
Message carrier. H. Rosenblatt. 1,469,110; Sept. 25.
Metals, Cathode for the electrolytic refining of. C. H. Schuh. 1,468,838; Sept. 25.
Metallurgical process. W. E. Greenawalt. 1,469,806; Sept. 25.
Milk, Method and apparatus for pasteurizing. T. H. Anglim. 1,468,871; Sept. 25.
Mill: *See*—
Pulverizing mill.
Milling cutter. B. T. Browand. 1,468,857; Sept. 25.
Milling-machine head. H. A. Stewart. 1,469,121; Sept. 25.
Miniature cooling apparatus. A. Frhr. von Codelli. 1,468,876; Sept. 25.
Minerals, ores, and other materials, Apparatus for crushing or reducing. H. A. Stockman. 1,468,759; Sept. 25.
Mining machines, Chain cutter for. E. C. Morgan. 1,468,914; Sept. 25.
Mining machines, Cutting apparatus for. W. J. Wilson. 1,469,132; Sept. 25.
Mixing and cutting machine. C. W. Hottmann. 1,468,967; Sept. 25.
Mold. R. T. Griffiths. 1,468,904; Sept. 25.
Mortising machine. G. E. Norris. 1,469,170; Sept. 25.
Motor: *See*—
Hydrocarbon motor.
Motor cycles, bicycles, and like vehicles employing handle bars, Cushioning device for handle bars of. M. Rosen. 1,468,835; Sept. 25.
Motor-cycle starting device. R. W. Smith. 1,469,116; Sept. 25.
Nail, Bracket. D. Friedman. 1,468,661; Sept. 25.
Nesting device. A. C. Schuman. 1,468,748; Sept. 25.
Nut lock. R. H. Whiteside. 1,469,131; Sept. 25.
Oil-feeding means. C. H. Wills. 1,469,063; Sept. 25.
Oil heater. J. T. Ray. 1,468,674; Sept. 25.
Optometrical method and instrument. B. E. Brierton and J. H. Tinder. 1,468,797; Sept. 25.
Ores, Differential flotation of. G. A. Hellstrand. 1,469,042; Sept. 25.
Oven-front construction. A. Meadows. 1,468,736; Sept. 25.
Oxycodeinon and preparing the same, Isomeric product of reduction of. M. Freund and E. Speyer. 1,468,805; Sept. 25.
Package, Novelty candy. A. M. Porter. 1,468,743; Sept. 25.
Packages, Device for handling. J. A. Donald. 1,468,878; Sept. 25.
Packing washer. H. B. Kimmel. 1,468,639; Sept. 25.
Paint-making machinery. J. W. Kent. 1,468,864; Sept. 25.
Paper, Composition for treating. S. H. Parrish. 1,468,831; Sept. 25.
Paperboard, Waterproof. A. L. Clapp. 1,468,959; Sept. 25.
Paper dispenser. A. F. Lesler. 1,469,162; Sept. 25.
Paper-drying machine. C. Nelson. 1,469,048; Sept. 25.

Paper dust-receiving bag for vacuum cleaning machines. R. M. Langdon. 1,468,719; Sept. 25.
Paper holder for stenographic and like machines. M. Grandjean. 1,468,703; Sept. 25.
Paper-making and like machinery, Mounting for the dandy rolls of. W. E. K. Trotman. 1,468,890; Sept. 25.
Paper making machines, Rotary screen for. R. S. Clarke. 1,468,875; Sept. 25.
Paper pulp, Bleaching. J. C. Baker. 1,468,693; Sept. 25.
Paper-ruling mechanism. A. Broadmeyer. 1,468,798; Sept. 25.
Pens, Attachment for fountain. E. Leeser. 1,469,092; Sept. 25.
Percolator. D. Acquaviva. 1,469,139; Sept. 25.
Phonograph records, Protector for. V. H. Emerson. 1,468,879; Sept. 25.
Photographic-film cartridge, Spool for. E. E. Kingsbury. 1,469,018; Sept. 25.
Picture films, Combined camera and projector mechanism for moving-. M. King. 1,469,016; Sept. 25.
Pipe: *See*—
Smoking pipe.
Pipe. P. J. A. Uytenbogaart. 1,468,681; Sept. 25.
Pipe-cutting machine. W. W. Vosper. 1,468,935; Sept. 25.
Pistol. B. L. Shaver. 1,468,840; Sept. 25.
Piston, Engine. R. Alford. 1,468,621; Sept. 25.
Plastic materials, farinaceous paste, and the like, Process and apparatus for measuring the elastic properties of. M. Chopin. 1,468,900; Sept. 25.
Pocket holder. A. P. Stark. 1,469,120; Sept. 25.
Post: *See*—
Binding post.
Poultry coop. C. E. Jackson. 1,468,815; Sept. 25.
Power member. H. B. Newhall and E. N. Hescock. 1,468,916; Sept. 25.
Power-transmitting mechanism. C. B. Gray. 1,469,143; Sept. 25.
Pneumatic screen. J. Herman. 1,469,003; Sept. 25.
Press: *See*—
Fruit press.
Presser foot and needle guard, Combined. H. Tyd. 1,468,934; Sept. 25.
Pressing machine, Garment-. C. H. Lewis. 1,469,006; Sept. 25.
Pressure-cooker locks, Safety adjusting means for. J. H. Jacobs. 1,469,070; Sept. 25.
Pressure gauge. H. Bacharach. 1,468,854; Sept. 25.
Projectile and means to fire the same. E. Ludorf. 1,468,822; Sept. 25.
Protective device. E. B. Wedmore. 1,469,127; Sept. 25.
Pulp-screening machines, Water-supplying device for. A. H. Börresen and K. Holter. 1,468,695; Sept. 25.
Pulverizing mill. F. H. Wolever. 1,468,893; Sept. 25.
Pump. E. J. Basden. 1,469,140; Sept. 25.
Pump. J. P. Beaupré. 1,468,897; Sept. 25.
Pump. S. E. Hales. 1,468,664; Sept. 25.
Pump, Multistage rotary. H. R. Trotter. 1,468,889; Sept. 25.
Punch. F. L. MacAleese. 1,469,093; Sept. 25.
Punching machine, Fluid-operated band-. H. W. Kranz and J. Lukes. 1,468,788; Sept. 25.
Pyroxylin compound, Making sheets of. W. G. Lindsay. 1,468,820; Sept. 25.
Radiant heater. O. and C. C. Taylor. 1,469,124; Sept. 25.
Radiator. E. Wykes. 1,469,135; Sept. 25.
Radiator-holding machine. E. C. Carris and V. F. Eppel. 1,469,176; Sept. 25.
Radius rod. J. C. Haldeman. 1,469,179; Sept. 25.
Rail joint. G. Gadula. 1,469,040; Sept. 25.
Rail joint. J. Smith. 1,468,926; Sept. 25.
Railway lines, Double-compound of. W. Bäseler. 1,469,145; Sept. 25.
Railway-switch stand, Automatic. J. J. Dillon. 1,468,997; Sept. 25.
Railway tie. G. Koebler. 1,468,787; Sept. 25.
Razor-stropping device. M. H. Rhodes. 1,468,923; Sept. 25.
Receptacle, Sheet-metal. C. Colsman. 1,468,877; Sept. 25.
Reciprocating members, Reversing mechanism for. W. M. Barker. 1,468,896; Sept. 25.
Reel: *See*—
Fishing reel.
Reel, balance weight, and anchor for decoys, Combined. L. B. Fraser. 1,468,780; Sept. 25.
Refrigerating apparatus. G. H. Emery. 1,468,999; Sept. 25.
Refrigerator. J. H. McKim. 1,468,726; Sept. 25.
Register box and deflector, Combined. C. McVeety. 1,468,734; Sept. 25.
Regulator: *See*—
Automatic regulator. Draft regulator.
Reminding device. G. I. Sullivan. 1,469,056; Sept. 25.
Retailer. L. F. Smith. 1,469,117; Sept. 25.
Resilient wheel. S. Grossman. 1,468,714; Sept. 25.
Resistance. A. J. Horton. 1,468,946; Sept. 25.
Ring-forming machine. S. Price. 1,468,673; Sept. 25.
Rod: *See*—
Radius rod.
Rolling mills, Relief device for. N. Metz. 1,468,825; Sept. 25.
Roofing. H. L. Guy. 1,469,041; Sept. 25.
Rubber gloves. G. F. Underwood and W. Luffsmith. 1,469,029; Sept. 25.
Rule, square, and level, Combination. R. E. McGowan and F. W. McCorry. 1,469,167; Sept. 25.
Sack-closing machine. H. O. Harding and J. Jessen. 1,469,083; Sept. 25.
Safe, Messenger's portable. J. C. Butner. 1,468,991; Sept. 25.
Safe, Money. H. S. Royse. 1,468,836; Sept. 25.
Saw. H. B. Kimmel. 1,468,638; Sept. 25.
Saw setting and sharpening machine. B. Willhill. 1,468,986; Sept. 25.
Scoop, Body. W. C. Anthony. 1,468,951; Sept. 25.
Screen: *See*—
Pneumatic screen.
Screw-driver attachment. J. M. Lawlor. 1,468,969; Sept. 25.
Scrubbing device. G. Foster. 1,469,077; Sept. 25.
Seaming machine. A. Schroeder. 1,469,024; Sept. 25.
Seat: *See*—
Window seat.
Seat. A. Ziska, jr. 1,469,136; Sept. 25.
Seed-saving means. W. T. West. 1,468,849; Sept. 25.
Seed sowers, Horn. D. E. Speicher. 1,469,118; Sept. 25.
Segmenting tool for citrous fruit. R. B. Polk. 1,468,648; Sept. 25.
Separator: *See*—
Amalgamator and separator.
Service structure. T. O. Brooks and A. H. Buck. 1,468,956; Sept. 25.
Sewing machine. Rotary lock-stitch. F. J. T. and H. C. Bell. 1,469,066; Sept. 25.
Sewing machine, Shoe-. W. C. Meyer. 1,468,912; Sept. 25.
Shade-operating cords, Fastening. J. F. Wolfe. 1,469,133; Sept. 25.
Shade, Window. W. F. Church. 1,469,150; Sept. 25.
Shades, Means for operating window. W. R. Parsons. 1,468,832; Sept. 25.
Sharpener, Razor. P. E. Bird. 1,469,147; Sept. 25.
Sheet feeders, Stop device for. W. H. Smith. 1,468,754; Sept. 25.
Sheet metal by fluid pressure, Shaping of. T. M. Harrison. 1,468,706; Sept. 25.
Sheet or annealing furnace. H. L. B. Schreck. 1,468,837; Sept. 25.
Sheet-turning device. J. A. Mets. 1,469,168; Sept. 25.
Shelf bracket. J. T. Huff. 1,468,813; Sept. 25.
Ships' bottoms, Apparatus for cleaning. J. Overall. 1,468,646; Sept. 25.
Shock absorber. S. G. Lewis and G. W. Daum. 1,468,881; Sept. 25.
Shock absorber. W. J. Storey. 1,468,652; Sept. 25.
Shock-absorbing spring. J. Y. King. 1,468,907; Sept. 25.
Shoe rack. T. P. Lallance. Des. 63,054; Sept. 25.
Shoe soles, Shank stiffener for. A. T. Balch. 1,468,855–6; Sept. 25.
Shoe stock, Machine for operating on. G. Goddu and F. L. MacKenzie. 1,468,663; Sept. 25.
Shoe-tree. H. A. Ballard. 1,469,171; Sept. 25.
Shopping and traveling bag. F. P. Dwyer. 1,468,711; Sept. 25.
Show case. H. E. Pauk. 1,469,050; Sept. 25.
Sifter, Ash. M. O. Shriver. 1,469,113; Sept. 25.
Sighting device. H. C. Ford. 1,468,712; Sept. 25.
Signal: *See*—
Automobile signal. Traffic signal.
Signal. T. I. and E. A. Temple. 1,468,763; Sept. 25.
Signaling system. A. P. Davis. 1,468,660; Sept. 25.
Skid-chain fastener. J. Oppman. 1,469,103; Sept. 25.
Skylight. J. D. Candler. 1,468,898; Sept. 25.
Slicing machines, Article holder for. E. A. Hand and F. A. Wygant. 1,468,705; Sept. 25.
Slicing machines, Slice conveyer for. H. Stukart. 1,469,055; Sept. 25.
Smoking pipe. A. G. Blomster. 1,468,795; Sept. 25.
Snow, Method of and apparatus for removing. M. Schiesari. 1,468,977; Sept. 25.
Soap dish. W. N. Osburn. 1,468,917; Sept. 25.
Sock or stocking protector. F. Paladino. 1,469,010; Sept. 25.
Socket and shell cap fastening. V. R. Despard. 1,469,037; Sept. 25.
Solder, Gold. W. and H. W. Sheff. 1,469,191; Sept. 25.
Sorting apparatus. W. A. Contant. 1,468,804; Sept. 25.
Sound box. H. Walker. 1,469,058; Sept. 25.
Sound-damping mechanism. A. Emett. 1,469,141; Sept. 25.
Sound-reproducing apparatus. A. Vasselli. 1,468,767; Sept. 25.
Sound-reproducing machine. G. M. Boumphrey. 1,469,152; Sept. 25.
Spark-advancing device, Automatic. N. H. Clark. 1,468,801; Sept. 25.
Spark plug. E. T. Curran. 1,468,858; Sept. 25.
Spark plug. C. E. Leonard. 1,468,970; Sept. 25.
Spark plugs, Attachment for. G. A. Strawser. 1,468,929; Sept. 25.
Spherical articles, Making. J. R. Blakeslee. 1,469,174; Sept. 25.
Spindle mounting. J. F. Vogel and F. A. Nauts. 1,468,768; Sept. 25.
Spring: *See*—
Shock-absorbing spring.

Spring compressor. H. Faber. 1,469,076; Sept. 25.
Sprinkling apparatus. T. J. Foley. 1,468,860; Sept. 25.
Stain remover and brush, Combined. E. Pasini. 1,468,671; Sept. 25.
Stand: *See*—
Railway-switch stand.
Steering wheel with laminated hub, Wooden. O. K. Snyder. 1,469,194; Sept. 25.
Stoker. E. R. Stone. 1,468,760; Sept. 25.
Stoking structure, Fuel-. E. L. Barnes. 1,469,172; Sept. 25.
Stove. I. Danhel. 1,468,859; Sept. 25.
Stove-base construction. A. G. Sherman. 1,468,752; Sept. 25.
Stove construction. A. Meadows. 1,468,737; Sept. 25.
Stove fixture or door hanger. A. Meadows. 1,468,735; Sept. 25.
Stove, Oil. R. Hoffman. 1,468,783; Sept. 25.
Stove top and shelf construction. A. G. Sherman. 1,468,753; Sept. 25.
Stove trimming. A. G. Sherman. 1,468,751; Sept. 25
Sunshade. S. J. Russell. 1,469,111; Sept. 25.
Supporting device. S. S. Matthes. 1,469,007; Sept. 25.
Swimmer's emergency aid. A. C. Caramore. 1,468,938; Sept. 25.
Switch: *See*—
Electric switch.
Switch mechanism. V. R. Despard. 1,468,701; Sept. 25.
Table: *See*—
Inspection table.
Table and ironing board, Combination. W. Nelson. 1,468,728; Sept. 25.
Tappets, Making. W. H. Spire. 1,468,927; Sept. 25.
Telescope, microscope, and the like. A. and H. D. Taylor. 1,468,762; Sept. 25.
Telescope, Reflecting. R. W. Porter. 1,468,973; Sept. 25.
Telegraphic system, Duplex. H. W. Sullivan. 1,468,982; Sept. 25.
Telephone-exchange system. A. H. Adams. 1,468,853; Sept. 25.
Tellurian, Automatic. W. E. Gochenour. 1,468,781; Sept. 25.
Thresholds, Weather seal for. R. W. Champion. 1,468,958; Sept. 25.
Throttling device, Thermostatically-controlled. W. E. Ernst. 1,468,689; Sept. 25.
Tie: *See*—
Railway tie.
Tie holder. W. McMeans. 1,469,096; Sept. 25.
Tie plate, Anticreeping. B. H. Poulos. 1,468,833; Sept. 25.
Time computer. H. Hollingdrake. 1,468,862; Sept. 25.
Timer. E. R. Barker. 1,469,032; Sept. 25.
Tire-building machine. W. H. Hermann. 1,468,809; Sept. 25.
Tire-building machines, Beading and trimming device for. W. H. Hermann. 1,469,012; Sept. 25.
Tire protector, Exterior rubber-. J. J. McDonald. 1,468,643; Sept. 25.
Tire-pump-operating means and running-board-connecting means. T. A. W. McCurdy. 1,469,095; Sept. 25.
Tire, Resilient channel and cushion. C. S. Preston. 1,469,020; Sept. 25.
Tire tool. F. V. Anderson. 1,469,138; Sept. 25.
Tire tread. J. D. Comstock and I. E. Fair. Des. 63,048; Sept. 25.
Tire tread. B. Gottlieb. Des. 63,051; Sept. 25.
Tire tread. J. I. Martin. Des. 63,056; Sept. 25.
Tool head, Adjustable. A. H. Morris. 1,468,827; Sept. 25.
Tool holder. M. Guerrieri. 1,468,715; Sept. 25.
Toothbrush. A. A. S. Stuart. 1,468,888; Sept. 25.
Tooth-cleaning preparation. C. Pfanstiehl. Re15,691; Sept. 25.
Tooth cutter, Inserted-. H. G. Caldwell. 1,468,774; Sept. 25.
Top. E. E. Bartram. 1,469,151; Sept. 25.
Torch, Combination cutting and welding. J. F. Gooch. 1,468,807; Sept. 25.
Towel-service cabinet. D. Leibow and M. Cohen. 1,468,667; Sept. 25.
Toy. A. D. Converse. 1,468,993; Sept. 25.
Toy balloon. R. W. Page. Des. 63,059; Sept. 25.
Toy fence. E. G. Himes. 1,468,810; Sept. 25.
Toy vehicle. C. H. Hyman. Des. 63,052; Sept. 25.
Traction device. C. Parent. 1,469,105; Sept. 25.
Tractor tread. C. Gentry. 1,469,001; Sept. 25.
Tractors, Narrow-tread front-wheel attachment for. J. L. Opitz. 1,468,669; Sept. 25.
Traffic marker. L. J. Betts. 1,469,146; Sept. 25.
Traffic singal. F. F. Race. 1,468,974; Sept. 25.
Trailer operating mechanism. H. J. Ralston. 1,468,975; Sept. 25.
Transmission device. C. W. Weiss. 1,469,059–61; Sept. 25.
Transmission or brake band. G. R. Hoffman. 1,468,811; Sept. 25.
Transmission regulation. H. A. Affel. 1,468,687; Sept. 25.
Tree: *See*—
Shoe-tree.
Trimming machine. E. Erickson. 1,468,629; Sept. 25.
Trolley, Log. B. S. Spaulding. 1,469,025; Sept. 25.
Trousers, Waistband for. G. A. Busch and W. Schmidt. 1,468,799; Sept. 25.
Truck-unloading appliance. R. B. Glidden. 1,468,631; Sept. 25.
Trucks or tractors, Power-delivering attachment for automobile. L. Haubert. 1,469,002; Sept. 25.
Trunk, Wardrobe. E. W. Hawley. 1,468,943; Sept. 25.
Tube-forming machine. C. B. Higgins. 1,468,635; Sept. 25.
Tube frame. H. A. Burnes. 1,469,175; Sept. 25.
Tube frame. E. F. Hathaway. 1,469,183; Sept. 25.
Tube frame, Axminster. E. F. Hathaway. 1,469,180; Sept. 25.
Tube-frame suspension means. E. F. Hathaway. 1,469,185; Sept. 25.
Tube frames for weaving, Tuft. E. F. Hathaway and W. Bixby. 1,469,182; Sept. 25.
Tube frames, Yarn spool for. E. F. Hathaway. 1,469,181; Sept. 25.
Turbine. H. T. Herr. 1,468,633; Sept. 25.
Turbine, Elastic-fluid. J. A. MacMurchy. 1,469,045; Sept. 25.
Turbines, Flexible and insulating, supporting, and reinforcing rings for crown blades of. A. Bonom. 1,468,694; Sept. 25.
Turntable. C. W. Hawthorne and G. J. Rennie. 1,469,085; Sept. 25.
Twisting frame. C. Deshaies. 1,468,996; Sept. 25.
Tympano. C. H. Strupe. 1,469,197; Sept. 25.
Type-casting machine. V. S. Williams. 1,468,850; Sept. 25.
Typewriting machine. J. W. Bond. 1,468,773; Sept. 25.
Typewriting machine. A. G. F. Kurowski. 1,468,640–1; Sept. 25.
Typewriting machine. C. E. Smith. 1,469,054; Sept. 25.
Typewriting machine and case therefor, Portable. E. G. Latta. 1,468,880; Sept. 25.
Typewriter stand. J. E. Neahr. Des. 63,058; Sept. 25.
Umbrella. F. J. Pugel. 1,469,021; Sept. 25.
Underreamer, Wide-expansion. R. E. Simpson. 1,468,980; Sept. 25.
Valve cap. J. Long. 1,468,821; Sept. 25.
Valve, Dry-pipe. C. Adams, jr. 1,468,619; Sept. 25.
Valve, Faucet. C. W. Koch. 1,468,949; Sept. 25.
Valve guides, Tool for removing and replacing. S. M. Edwards. 1,468,777; Sept. 25.
Valve, Leakproof. E. K. Shoultz. 1,468,747; Sept. 25.
Valve rocker arm. R. E. Hedberg, 1,469,155; Sept. 25.
Vapor-utilizing device. J. A. Houser. 1,469,088; Sept. 25.
Vehicle bumper and fender. G. Reichstetter, jr., and O. E. Reichardt. 1,468,869; Sept. 25.
Vehicle direction indicator. C. R. Krone. 1,469,090; Sept. 25.
Vehicle Light. L. R. Yeager and W. M. Holmes. 1,468,655; Sept. 25.
Vehicle lighting systems, Dimmer attachment for. G. J. Smith. 1,468,756; Sept. 25.
Vehicle spring construction. E. M. Totzke. 1,469,057; Sept. 25.
Vehicles, Radiator for motor. A. P. Wolfe. 1,468,686; Sept. 25.
Vehicles, Signal for automotive. A. S. Ouzoonian. 1,468,830; Sept. 25.
Vehicles, Spring bumper for. G. Reichstetter, jr., and O. E. Reichardt. 1,468,868; Sept. 25.
Vehicles, Wind screen for motor. R. Colombino. 1,469,071; Sept. 25.
Ventilator: *See*—
Adjustable ventilator. Window ventilator.
Ventilator, Adjustable. G. P. Heath. 1,469,011; Sept. 25.
Ventilator. J. K. Robinson. 1,469,022; Sept. 25.
Vessel, Drinking. G. F. Davison. 1,469,036; Sept. 25.
Vessel, Marine or like. L. Ghinelli. 1,468,903; Sept. 25.
Vessels, Salvage apparatus for raising sunken. A. F. Andersen. 1,468,622; Sept. 25.
Waterproof container. W. J. Peckes. 1,468,742; Sept. 25.
Water tower and the like. J. Dolan. 1,468,998; Sept. 25.
Water-tube boiler, Vertical. G. J. G. Lacey. 1,468,666; Sept. 25.
Wedge bolt, Telescopic nonbreakable and flexible. D. J. Thomas. 1,469,126; Sept. 25.
Well pumps, Working valve for oil-. C. Phillips, sr. 1,469,106; Sept. 25.
Wheel: *See*—
Resilient wheel.
Wheel mount. E. Telleson. 1,468,680; Sept. 25.
Winding chuck. E. Bergman. 1,468,625; Sept. 25.
Winding machinery, Device for coupling spools and spindles in. H. Schweiter. 1,468,978; Sept. 25.
Windmill. G. F. Zucker. 1,469,064; Sept. 25.

Window or the like. A. Watkinson. 1,468,983; Sept. 25.
Window seat. D. Kienle. 1,468,717; Sept. 25.
Window ventilator. E. C. Abraham. 1,469,137; Sept. 25.
Wire-chain-making machine. A. Berg. 1,469,173; Sept. 25.
Wire-fence stretcher. G. Smith. 1,469,205; Sept. 25.
Wire, Spooled. J. Cook. 1,468,994; Sept. 25.
Wire stretchers, Clamp for. G. Smith. 1,469,204; Sept. 25.
Wood, Ivory, and other grained or figured materials or substances, Method and process of producing fabrications in imitation of. G. H. Cox. 1,469,035; Sept. 25.
Wrapping machine. C. O. Brownell. 1,468,626; Sept. 25.
Wrench. D. P. Miller. 1,468,913; Sept. 25.
Wrench. W. J. Rhodes and K. Wollams. 1,468,834; Sept. 25.
Wringer: *See*—
Clothes wringer.

CLASSIFICATION OF PATENTS

ISSUED SEPTEMBER 25, 1923.

NOTE.—First number=class, second number=subclass, third number=patent number.

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